

Torres Rojas, Genara

FOI #14702

From: mvc@meridianservices.com
Sent: Tuesday, February 25, 2014 11:12 AM
To: Duffy, Daniel
Cc: Torres Rojas, Genara; Van Duyne, Sheree
Subject: Freedom of Information Online Request Form

Information:

First Name: Martha
Last Name: Van Cleve
Company: Meridian Property Services, Inc.
Mailing Address 1: 3024 S. Broad St.
Mailing Address 2:
City: Hamilton
State: NJ
Zip Code: 08610
Email Address: mvc@meridianservices.com
Phone: 6099208800
Required copies of the records: Yes

List of specific record(s):

Would you please provide a copy of Contract 4600007623 and Purchase Order 4500059870 for Maintenance Services at the PATH Corporation Journal Square Transportation Center and Harrison Car Maintenance Facility. We are interested in responding to the new RFP for this work, due on 312, so we would appreciate receiving a copy by 33 if possible. Electronic copy preferred. Please email to mvc@meridianservices.com. Thank you very much Martha Van Cleve, President, Meridian Property Services

THE PORT AUTHORITY OF NY & NJ

FOI Administrator

April 18, 2014

Ms. Martha Van Cleve
Meridian Property Services, Inc.
3024 S. Broad St.
Hamilton, NJ 08610

Re: Freedom of Information Reference No. 14702

Dear Ms. Van Cleve:

This is in response to your February 25, 2014 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code") for "a copy of Contract 4600007623 and Purchase Order 4500059870 for Maintenance Services at the PATH Corporation Journal Square Transportation Center and Harrison Car Maintenance Facility."

Material responsive to your request and available under the Code can be found on the Port Authority's website at <http://www.panynj.gov/corporate-information/foi/14702-C.pdf>. Paper copies of the available records are available upon request.

Certain material responsive to your request is exempt from disclosure pursuant to exemptions (1) and (4) of the Code.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,



Daniel D. Duffy
FOI Administrator

225 Park Avenue South, 17th Floor
New York, NY 10003
T: 212 435 3642
F: 212 435 7555



THE PORT AUTHORITY OF NY & NJ

UPS

January 20, 2009

ISS TMC Services, Inc.
81 Dorsa Ave
Livingston, NJ 07039
ATTN: Mr. Phillip Caprio Jr., President

**RE: MAINTENANCE SERVICES AT THE PORT AUTHORITY TRAN-
HUDSON CORPORATION JOURNAL SQUARE TRANSPORTATION
CENTER AND HARRISON CAR MAINTENANCE FACILITY; BID
#16594; CONTRACT #4600007623; PURCHASE ORDER 4500059870**

Dear Mr. Caprio,

Your bid and addenda 1, 2, 3 and 4 (which take precedence over the language stated or not stated in the bid booklet, at no additional cost to the PATH/PA.) addressing the subject contract is hereby accepted.

The term of this contract shall be in accordance with Part II entitled "Contract Specific Information for Bidders", section 5. entitled "Duration of Contract", the effective period of the Contract is February 1, 2009 through January 31, 2014 subject to earlier termination or extension as provided for in the contract. There is also a one, three (3) year option period and a one hundred and twenty (120) day extension period that the Port Authority may exercise at its discretion.

The following items have hereby been clarified at our pre-award meeting held on October 30, 2008 and are part of the contract requirements:

1. Time Differential: Loaded Hourly Rate Sheets reflect starting union rates and benefits. Rates increase after 6 months. ISS TMC Services will provide the increases as required by the contract document.
2. Shift Differentials: Lump sum pricing includes shift differentials at both locations.
3. Required Staffing vs. Loaded Hourly Rate Sheets: ISS TMC Services will provide the required staffing contained in Addendum #3. With respect to discrepancies that may exist between number of FTE's on the loaded hourly rate sheet and Addendum #3, Addendum #3 shall apply.

As a prerequisite to commencing work, please submit to the Port Authority your insurance certificates as required in the Contract under Part III, Section 6. entitled "Insurance". You shall

*One Madison Avenue
New York, NY 10010
T 212 435 7000*



THE PORT AUTHORITY OF NY & NJ

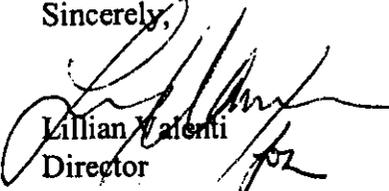
submit an original Certificate of Insurance to the Port Authority of NY and NJ, General Manager, Risk Management, 225 Park Avenue South, 12th Floor, New York, NY 10003 (Attention: Certificate Review), and a copy of the certificate to Patricia Bonny at the Port Authority Technical Center, 241 Erie Street, Jersey City, NJ. Please reference CIT #3291N on the certificate.

Please use the above referenced purchase order number on all invoices submitted to the Port Authority. Any payment questions shall be directed to Pamela Astorga 201-216-6884.

The Contract Administrator is Mr. Ken Bransky who can be reached at 201-216-6212.

If you have questions regarding this award document please call Ms. Priscilla Duncan at 212-435-3946.

Sincerely,


Lillian Valenti
Director
Procurement Department

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
PURCHASING SERVICES DIVISION
ONE MADISON AVENUE, 7TH FLOOR
NEW YORK, NY 10010

ADDENDUM # 1 September 22, 2008

To Prospective BIDDERS – PORT AUTHORITY TRAN-HUDSON
CORPORATION OPERATION AND MAINTENANCE SERVICES AT THE
JOURNAL SQUARE TRANSPORTATION CENTER AND HARRISON CAR
MAINTENANCE FACILITY

Bid #16594

Due back on **10/23/08**, no later than 11:00 AM

Originally due on **10/23/08**, no later than 11:00 AM

The following changes are hereby made in the subject Bid:

The following information is made available in response to questions submitted by prospective Bidders. It should not be deemed to answer all questions, which have been submitted by Bidders to the Port Authority. It addresses only those questions, which the Port Authority has deemed to require additional information and/or clarification. The fact that information has not been supplied with respect to any questions asked by a Bidder does not mean or imply, nor should it be deemed to mean or imply, any meaning, construction, or implication with respect to terms.

The Port Authority makes no representations, warranties or guarantees that the information contained herein is accurate, complete or timely or that such information accurately represents the conditions that would be encountered during the performance of the Contract. The furnishing of such information by the Port Authority shall not create or be deemed to create any obligation or liability upon it for any reason whatsoever and each Bidder, by submitting its bid, expressly agrees that it has not relied upon the foregoing information, and that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever. Accordingly, nothing contained herein and no representation, statement or promise, of the Port Authority, its directors, officers, agents, representatives, or employees, orally or in writing, shall impair or limit the effect of the warranties of the Bidder required by this Bid or any resulting contract and the Bidder agrees that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever.

Note: Similar and related questions have been consolidated. Therefore, you should carefully read all questions and responses, as your questions may be answered in a slightly different format than submitted. Responses to questions will be provided through Addenda to the RFP. All potential Bidders will receive the same comprehensive list of questions and responses.

Q.1. Is there any Union clearly representing the labor force? If so, who are they and is there a collective bargaining agreement to be made available?

A.1. For informational purposes only, bidders are advised that the following labor organization may claim jurisdiction over the work described in this document: International Union of Operating Engineers Local 68-68A-68B, AFL-CIO located at 11 Fairfield Place, West Caldwell, NJ 07006. Please find attached hereto the Collective Bargaining Agreement between International Union of Operating Engineers Local 68-68A-68B, AFL-CIO and LARO Service Systems, Inc for PATH Journal Square transportation Center Jersey City, NJ and PATH Harrison Rail Car Facility Harrison, NJ, September 1, 2007 to August 31, 2010.

All other Terms and Conditions shall remain the same.

This communication should be initialed by you and annexed to your Bid upon submission.

In case any bidder fails to conform to these instructions, its bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

JANE CETERKO, MANAGER
PURCHASING SERVICES DIVISION

BIDDER'S NAME: _____

INITIALED: _____

DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO
PRISCILLA DUNCAN WHO CAN BE REACHED AT 212-435-3946.

LAO 46-3887 1/2

COLLECTIVE BARGAINING AGREEMENT

BETWEEN

**INTERNATIONAL UNION OF OPERATING
ENGINEERS**

LOCAL 68-68A-68B, AFL-CIO

AND

LARO SERVICE SYSTEMS, INC.

Site: Path Journal Square Transportation Center
Jersey City, NJ

SEPTEMBER 1, 2007 TO AUGUST 31, 2010

AGREEMENT dated September 2007 between LARO SERVICE SYSTEM, INC., 1 Skip Lane, Bay Shore, NY 11706 (hereinafter called the "Company") and the INTERNATIONAL UNION OF OPERATING ENGINEERS, Local 68-68A-68B, located at Fairfield Place, West Caldwell, NJ 07006, affiliated with the AFL-CIO, (hereinafter called the "Union").

This contract applies to the PATH JOURNAL SQUARE TRANSPORTATION CENTER, Jersey City, New Jersey, the Company having a contract with said owners of the building for the performance of certain work.

SECTION I - RECOGNITION OF THE UNION

This Company recognizes the Union as the sole bargaining agent for the Engineers and Mechanical Maintenance Workers, excluding Supervisors, office help and other workers coming within jurisdiction of other crafts which are under contractual relationship with the Company, employed at Path Journal Square Transportation Center, and inclusions as provided by the National Labor Relations Act.

SECTION II - UNION SECURITY

All covered employees as herein provided for shall within thirty days after employment or thirty days after the effective date of this Agreement (whichever is the latest), as a condition of continued employment, become and remain members of the Union in good standing with the Union.

Whenever additional employees are required, the Company shall notify the Union of such need. Whenever an employee is hired or rehired, the Company shall immediately notify, in writing, the Union of the name and address of such employee.

The Company grants the Union maximum Union security permissible under applicable laws. This shall be subject to such conditions as may be necessary under such laws.

SECTION III - MANAGEMENT RIGHTS

The Union recognizes the right of management to exercise exclusive control over its operations, including, but not limited to, the right to establish work assignments; hire, promote, suspend, discipline, transfer or discharge for proper reason; relieve employees from duty because of lack of work or other proper reasons; schedule hours or require overtime work; direct the performance of all duties required of the Company by the management of the building. Nothing in the foregoing shall be deemed to limit the Company, subject to the provisions of this Agreement. The Company's not exercising rights hereby reserved to it, or its exercising them in a particular way, shall not be deemed a waiver of said rights.

The provisions of this paragraph shall, at all times, be subject to the express and implied provisions of this Agreement.

SECTION IV - DISCIPLINE OF EMPLOYEES

The Company retains the right to reject any job applicant referred by the Union and discipline or discharge any employee for just cause. The Company shall be the sole judge of the competency of his employees.

The assignment, re-assignment, promotion and disciplining of all employees is herein recognized as a function of the Company, subject to the provisions of this Agreement.

Employees who have not received a written warning or reprimand for a period of one year will not have prior written warnings or reprimands held against them for disciplinary reasons. Personnel file of the individual employee shall be made available on reasonable request.

SECTION V - EMPLOYEES DUES AUTHORIZATION

1. The Company agrees to deduct the regular monthly dues and/or initiation fees from wages of each employee who is or becomes a member of the Union provided that such employee has first filed with the Company an individual voluntary written authorization to make such deductions. The form for such authorization is hereto agreed to between the parties and attached hereto and made a part of this Agreement.

2. The Union dues and/or initiation fees so deducted shall be paid by the Company to the Financial Secretary of the Union, Local 68-68A, monthly for the term of this Agreement. The Union shall certify, in writing, to the Company the amount of dues and/or initiation fees and the name and address of the payee to receive same.

3. An employee who voluntarily executes a written authorization card agrees that such dues deductions are to continue for a period of one year and thereafter on a year-to-year basis unless said employee shall terminate such authorization during the fifteen (15) day period immediately prior to any contract anniversary date. Said notice of termination shall be in writing signed by the employee and a copy of such notice of termination filed with both the Company and the Union within the revocable period hereinbefore mentioned.

4. The Union hereby agrees to indemnify the Company and hold it harmless from all claims, damages, costs, fees or charges, of any kind, which may arise out of the working by the Company or dues or fees deduction authorizations in accordance with the provisions of this Section and the transmitting of such deducted dues or fees.

5. The Company will remit to the Union all deducted dues monies no later than the 15th of the month following the month for which dues were deducted. If payments have not been received in full by the Funds Office within 30 days from the 15th of the month following the month for which contributions are owed, the Union shall notify the Company, in writing, of the delinquency and the Company shall have five (5) days to correct the delinquency or to submit documentation contesting the delinquency. At the end

five (5) day period, the Union may bypass the grievance procedure and file directly for arbitration. Notwithstanding anything in this Agreement to the contrary, if the Arbitrator finds that the Company was delinquent in transmitting deducted dues payments to the Union, the Arbitrator shall award interest, 20% of the delinquent amount as the Award as liquidated damages, and shall hold the Company liable for the cost of the arbitration, including the Union's attorney fees. If the Company satisfies the delinquency, prior to the Arbitration hearing by paying to the Union the amount of the delinquency and accrued interest, as well as the Arbitrator's late cancellation fee, if any, the matter shall be considered settled and the arbitration shall be withdrawn.

SECTION VI - POLITICAL ACTION COMMITTEE CHECK-OFF

The Company agrees to deduct from each employee the sum of one dollar (\$1.00) per week (or \$52.00 per year) and to forward that amount to the Engineers' Political Action Committee, provided that such employee has first filed with the Company an individual voluntary written authorization to make such deduction. This authorization is voluntarily made on the specific understanding that the signing of this authorization and the making of payments to the Engineers' Political Action Committee are not conditions of membership in the Union or of employment with the Company, and that the Engineers' Political Action Committee will use the money it receives to make political contributions and expenditures in connection with Federal, State and local elections.

SECTION VII - SENIORITY

The principle of job seniority, within classification shall prevail in all cases of lay-offs and rehires, vacations, promotions and demotions provided the remaining or recalled employee can reasonably perform the required work. Seniority shall be the original date of hire at the Path Journal Square Transportation site.

SECTION VIII - SETTLEMENT OF ALL DISPUTES

The Union Shop Steward and the designated Company representative shall attempt to adjust all disputes between the parties. On failure of settlement, the Union business agent and the designated Company representative shall attempt to adjust dispute.

On failure of settlement, either party may request arbitration provided it entails a question of interpretation, application or enforcement of this Agreement. The arbitrator shall be designated by the American Arbitration Association (AAA). Decision of the arbitrator shall be final. Costs of the arbitrator shall be borne equally.

SECTION IX - WAGES

The Union and the Company having had an opportunity to determine the type of work in the building described to be performed for mechanical maintenance have fixed the following rates of pay:
Please refer to attached "SCHEDULE A".

SECTION X - SHIFT DIFFERENTIAL

All employees working the day shift shall be paid the normal contract rate of pay.

All employees working the evening shift or early morning shift shall receive the following shift differential added to the normal contract rate for all hours worked during night shifts:

| | |
|---------------------|---------------------------------|
| Evening Shift | 0.85% of employees hourly rate. |
| Early Morning Shift | 1.2% of employees hourly rate. |

One week of an advance notice shall be given to an employee, of a shift change, including emergencies, or time and one half shall be paid for the first eight hours.

Effective October 1, 2008 the shift differential rates shall be 1.15% for the evening shift and 1.5% for the early morning shift.

SECTION XI - WORK WEEK, WORK DAY, OVERTIME

The Company shall be free to fix the hours of employment, provided that a normal work week for each employee shall consist of forty (40) hours, divided into five (5) days of eight (8) hours each.

All time worked in excess of eight (8) hours per day, or forty (40) hours per week, shall be considered overtime, and shall be paid for at the rate of time and one-half provided, however, that no employee shall be permitted to work overtime, or receive any pay for overtime, unless said overtime shall, prior to the beginning thereof, have been approved by the employee's supervisor.

Any employee required to work the sixth day in a scheduled work week shall receive one and one-half the normal hourly wage for all hours worked.

Any employee required to work the seventh day in a scheduled work week shall receive double the normal hourly wage for all hours worked.

There shall be no pyramiding of rates for any hours worked in excess of 40 hours per work week and the sixth and seventh day provisions.

Hours of employment each day shall be continuous. The Company shall endeavor to avoid night shifts to a minimum whenever possible. The Company shall, whenever possible, endeavor to schedule overtime so that the employees required to work overtime shall have at least one-half hour of overtime work, it being understood that overtime compensation be computed on the basis of actual overtime worked to the nearest one-quarter hour.

In the case of layoffs occasioned by reduction of force, classification seniority shall be observed with due consideration for the efficiencies and special needs of the department.

SECTION XII - VACATIONS

The regular employees shall receive vacations with pay in each year according to the following schedule, in accordance with their years of service at Path Journal Square Transportation Center.

| <u>EMPLOYMENT</u> | <u>VACATION</u> |
|-------------------|-----------------|
| 1 year | 2 weeks |
| 5 years | 3 weeks |
| 10 years | 4 weeks |
| 15 years | 5 weeks |

Should a holiday fall within the vacation period, an additional day of vacation shall be allowed.

The vacation season shall be considered to be anniversary date to anniversary date. The choice of vacation periods shall be according to seniority so far as compatible with the proper operation of the Company and shall rest in the final discretion of the Company. The Company will allow five (5) single vacation days, per year.

An employee who leaves his/her position of his/her own accord shall be entitled to accrued vacation credits, provided the employee gives notice in writing of his or her intention to leave at least one week before doing so, the notice to be delivered to the employee's immediate supervisor.

The Company (contractor) shall recognize the current vacation entitlement in each year of the contract and shall have no additional obligation at the termination of the Path contract.

SECTION XIII - HOLIDAYS

The following shall be deemed to be holidays:

- | | |
|-------------------------------|----------------------------|
| New Year's Day | Columbus Day |
| Martin Luther King's Birthday | Veterans Day |
| Washington's Birthday | Thanksgiving Day |
| Memorial Day | Day after Thanksgiving Day |
| Independence Day | Christmas Day |
| Labor Day | |

If any of the above holidays falls on Sunday, then the following Monday shall be deemed to be the holiday. If the holiday falls on a Saturday, employees to have the preceding Friday off.

Any employee not required to work on a holiday shall receive straight time pay for at (8) hours work as holiday pay.

Any employee required to work on a holiday shall receive in addition to the holiday above mentioned, time and one-half the straight time rate for the eight hours worked such holiday.

In order to be entitled to holiday pay, an employee must have worked the day preceding and the day subsequent to the holiday unless such absence shall have been previously authorized or subsequently approved by the employee's department or division manager or for illness of an employee or death in the immediate family of an employee.

SECTION XIV - SICK/PERSONAL DAYS

The Company agrees to grant to each employee, with pay, six (6) days off for personal reasons in each contract year. The employee shall notify the Company at least one week in advance. No more than one employee shall be off on the same day unless needed to by the Company.

The Company agrees to grant each employee, with pay, six (6) sick/personal days off each year of the contract, four (4) of which may be used as call-in sick days. Effective October 1, 2008, the employees shall receive one (1) additional sick day per contract year for a total of seven (7) days. Effective September 1, 2009, the employees shall receive one (1) additional sick day per contract year for a total of eight (8) days.

The employee shall notify the Company at least one week in advance for a personal day. No more than one employee shall be off on the same personal day. The Company may allow more than one employee off on a personal day, if by doing so it does not interfere with the Company's operation.

SECTION XV - MISCELLANEOUS

The Union shall designate one member of the Union in the employ of the Company as Shop Steward for the engineers and an Assistant Shop Steward for the mechanics. In the event the Shop Steward is required to attend an off shift meeting with Management at a mutually agreed upon time, the Company shall pay the shop steward up to one (1) hour's pay at the regular hourly rate, it being understood and agreed that this time shall be considered work time for overtime calculations.

Wages shall be paid weekly in cash or by check.

In the event that the regular pay day falls on a holiday, employees shall be paid on the preceding day.

During the period of this Agreement, there shall be no reduction in wages, nor decrease in hours, except as herein provided.

In reducing forces, the Company is required in addition to their accrued vacation benefits, to give employees who have been employed by the Company for one year, at least (1) week's notice of layoff or discharge, or in lieu thereof, an additional average week's

The Company will provide \$150.00 allowance annually for safety shoes, payable no later than March 1, of each contract year, effective March 1, 2002. Employee must provide receipt of shoe purchase prior to payment.

The Company shall reimburse employees for the license fee for Stationary Engineers (Boiler and Refrigeration) licenses, and Electricians licenses once every three (3) years. The Company will continue its present practice of reimbursing employees who are required to have a pesticide certification.

Effective September 1, 2007, employees called into work shall receive a minimum of (4) hours pay at the appropriate overtime rate.

SECTION XVI - NO STRIKE - LOCK OUT

During the life of this Agreement, there shall be no strike or other like interference with the Company's business and there will be no lock out on the part of the Company.

SECTION XVII - WELFARE AND PENSION BENEFITS

The Company shall pay to the Engineers' Union Local 68 Welfare Fund, duly established in accordance with law, the following amounts per hour for each hour a covered employee is paid.

| | |
|------------------|-----------------|
| Effective 9/1/07 | \$6.15 per hour |
| Effective 9/1/08 | \$6.35 per hour |
| Effective 9/1/09 | \$6.55 per hour |

If the above contributions are not necessary the difference may be diverted to the Pension or Annuity Funds.

The Company shall pay to the Engineers' Union Local 68 Pension Fund, duly established in accordance with law, the following amounts per hour for each hour a covered employee is paid.

| | |
|------------------|-----------------|
| Effective 9/1/07 | \$3.55 per hour |
| Effective 9/1/08 | \$3.55 per hour |
| Effective 9/1/09 | \$3.55 per hour |

Payment shall commence as of the date of this Agreement and the employee shall be eligible for benefits in accordance with the rules of the Trustees. The Company agrees to support existing Trustees.

Contributions to the above Funds shall be made for all hours which an employee is paid, thus including payment for holidays and paid vacations. Maximum contribution, 40 hours (40 hours) or 2,080 hours per year.

SECTION XIII - EDUCATION FUND

The Company agrees to pay to the Engineers' Union Local 68 Education Fund eight dollars (\$8.00) per week, per employee.

The Company will forward contributions to the Education Fund by the 15th of the month following the month for which the contributions are owed. If payments have not been received in full by the Funds Office within 30 days from the 15th of the month following the month for which contributions are owed, the Union may bypass the grievance procedure and file directly for arbitration. Notwithstanding anything in this Agreement to the contrary, if the Arbitrator finds that the Company was delinquent in making benefit contributions, the Arbitrator shall award interest, 20% of the delinquent amount to the Union as liquidated damages, and shall hold the Company liable for the full cost of the arbitration, including the Union's attorney fees.

SECTION XIX - ANNUITY FUND

The Company shall pay to the Engineers' Local 68 Annuity Fund, duly established in accordance with law, the following amounts per hour for each hour a covered employee is

| | | |
|-----------|--------|-----------------|
| Effective | 9/1/07 | \$7.00 per hour |
| Effective | 9/1/08 | \$7.25 per hour |
| Effective | 9/1/09 | \$7.50 per hour |

In the event an employee is paid at the premium time of time and one-half (1 1/2) regular hourly rate or double time (2x) the regular hourly rate, the aforementioned contribution rate shall be likewise increased to time and one-half (1 1/2) or double time depending upon the rate in effect.

Participation in this Fund is from date of employment, including permanent and temporary employees. Annuity contributions must be paid for all hours which an employee

s paid, thus including payment for holidays and paid vacations. Temporary employees st be paid from date of hire.

SECTION XX - SPECIAL EMPLOYEES ASSISTANCE WELFARE FUND

The Company shall continue to contribute two dollars (\$2.00) per week per employee the Local 68 Engineers' Union Special Employees Assistance Welfare Fund.

SECTION XXI-FUND DELINQUENCY

The Company will forward contributions to the Funds Office by the 15th of the nth following the month for which the contributions are owed. If payments have not n received in full by the Funds Office within 30 days from the 15th of the month owing the month for which contributions are owed, the Union shall notify the Company, writing, of the delinquency and the Company shall have five (5) days to correct the inquency or to submit documentation contesting the delinquency. At the end of the five day period, the Union may bypass the grievance procedure and file directly for itration. Notwithstanding anything in this Agreement to the contrary, if the Arbitrator ls that the Company was delinquent in making benefit contributions, the Arbitrator ll award interest, 20% of the delinquent amount to the Award as liquidated damages, l shall hold the Company liable for the full cost of the Arbitration, including the Union's orney fees. If the Company satisfies the delinquency, prior to the Arbitration hearing by ing to the Union the amount of the delinquency and the accrued interest, as well as the itrator's late cancellation fee, if any, the matter shall be considered settled and the itration shall be withdrawn.

SECTION XXII - DEATH IN FAMILY

An employee shall be granted reasonable time off at the standard rate (not to exceed three (3) days) for absence on account of death to his wife, son, daughter, mother, father, sister, brother, mother-in-law or father-in-law. Time off with compensation shall be consistent with the relationship of the employee and his responsibility for making funeral arrangements, but shall not exceed three (3) days.

Employees shall be entitled to one day off with pay to attend the funeral of a grandparent.

SECTION XXIII - JURY DUTY

Employees actually serving on juries will receive the difference between their straight time hourly basic weekly wage and the amount received while on jury duty for a maximum of two (2) weeks. The employee shall be required to show proof of wages received for the jury service. If a member of the bargaining unit is called for grand jury, in proof of same, the member will be paid for time served.

SECTION XXIV - SUCCESSOR AND ASSIGNS

"This Agreement is binding upon the parties hereto and upon their respective successors and assigns and legal representatives."

SECTION XXV - GRIEVANCE AND ARBITRATION

"This Article shall apply to any difference of opinion, controversy or dispute between parties hereto relating to any matter of wages, hours, or working conditions, or any dispute between the parties involving the interpretation or application of the provisions of Collective Bargaining Agreement."

SECTION XXVI - DURATION

This Agreement shall take effect as of September 1, 2007, and continue until midnight, August 31, 2010, and from year to year thereafter, unless written notice of termination shall be given to either party by the other at least sixty (60) days prior to the expiration date, or any annual renewal date thereafter; provided however, the Company is under contractual relationship for the work with PATH, JOURNAL SQUARE TRANSPORTATION CENTER.

In the event that the Company's Agreement is terminated, then this Agreement must be considered as terminated. This Agreement shall be binding on the successors and assigns of the parties.

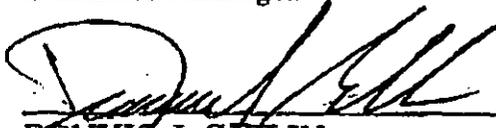
IN WITNESS WHEREOF, the parties hereto have set their hands and seals on the day and year first above written.

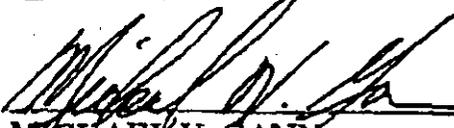
LABOR SERVICE SYSTEM, INC.

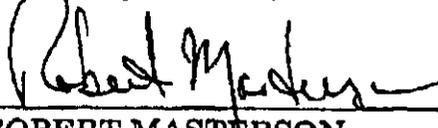
INTERNATIONAL UNION OF OPERATING ENGINEERS, LOCAL 68-68A-68B, AFL-CIO


ROBERT BERNUGLIA
President


THOMAS P. GIBLIN
Business Manager


DENNIS J. GIBLIN
President


MICHAEL V. GANN
Recording Secretary


ROBERT MASTERSON
Business Representative

SCHEDULE "A"
PATH JOURNAL SQUARE
WAGES

| | 9/01/07 | 10/01/08 | 9/01/09 |
|-----------------------|---------|----------|---------|
| Chief Engineer | \$35.93 | \$37.38 | \$39.00 |
| Engineer | \$34.99 | \$36.40 | \$37.98 |
| Maintenance Mechanic | \$34.71 | \$36.07 | \$37.59 |
| Utility Mechanic | \$35.36 | \$36.79 | \$38.39 |
| Painter | \$32.63 | \$33.97 | \$35.46 |
| Electrician | \$35.30 | \$36.73 | \$38.33 |
| Helper, Machine Mech. | \$26.22 | \$27.33 | \$28.57 |

ASBESTOS CERTIFICATION

Employees certified in asbestos removal shall receive an additional fifteen cents (\$0.15) per hour for all hours paid. The number of certified employees shall be determined by the Company.

Line 10 1007 3

COLLECTIVE BARGAINING AGREEMENT

BETWEEN

**INTERNATIONAL UNION OF OPERATING
ENGINEERS**

LOCAL 68-68A-68B, AFL-CIO

AND

LARO SERVICE SYSTEMS, INC.

**Site: Path Harrison Rail Car Facility
Harrison, NJ**

SEPTEMBER 1, 2007 – AUGUST 31, 2010

AGREEMENT dated September 1, 2007, between LARO SERVICE SYSTEMS, INC. 271 Skip Lane, Bay Shore, NY 11706 (hereinafter called the "Company") and the INTERNATIONAL UNION OF OPERATION ENGINEERS, Local 68-68A-68B, located at 11 Fairfield Place, West Caldwell, NJ 07006, affiliated with the AFL-CIO, (hereinafter called the "Union").

This contract applies to the PATH HARRISON RAIL CAR FACILITY, Harrison, New Jersey, the Company having a contract with said owners of the building for the performance of certain work.

SECTION I RECOGNITION OF THE UNION

This Company recognizes the Union as the sole bargaining agent for the Engineers and Mechanical Maintenance Workers, excluding Supervisors, office help and other workers coming within jurisdiction of other crafts which are under contractual relationship with the Company, employed at Path Harrison Rail Car Facility and exclusions as provided by the National Labor Relations Act.

SECTION II UNION SECURITY

All covered employees as herein provided for shall within thirty days after employment or thirty days after the effective date of this Agreement (whichever is the latest), as a condition of continued employment, become and remain members of the Union in good standing with the Union.

Whenever additional employees are required, the Company shall notify the Union of such need. Whenever an employee is hired or rehired, the Company shall immediately, in writing the Union of the name and address of such employee.

The Company grants the Union maximum Union security permissible under applicable laws. This shall be subject to such conditions as may be necessary under such laws.

ARTICLE III MANAGEMENT RIGHTS

The Union recognizes the rights of management to exercise exclusive control over its operations, including, but not limited to, the right to establish work assignments; hire, promote, suspend, discipline, transfer or discharge for proper reason; relieve employees from duty because of a lack of work, or other proper reason; schedule hours or require overtime work; direct the performance of all duties required of the Company by the management of the building. Nothing in the foregoing shall be deemed to limit the Company, in any way in the exercise of the regular functions and responsibilities of management, unless such functions and responsibilities are contrary to the express provision of this Agreement. The Company's not exercising rights hereby reserved to it, or its exercising them in a particular way, shall not be deemed a waiver of said rights.

The provisions of this paragraph shall, at all times, be subject to the express and implied provisions of this Agreement.

ARTICLE IV DISCIPLINE OF EMPLOYEES

The Company retains the right to reject any job applicant referred by the Union and to discipline or discharge any employee for just cause. The Company shall be the sole judge of the competency of his employees.

The assignment, re-assignment, promotion, and disciplining of all employees is herein recognized as a function of the Company, subject to the provisions of this Agreement.

Employees who have not received a written warning or reprimand for a period of one (1) year shall not have prior written warnings or reprimands held against them for disciplinary reasons; they shall, however, remain a part of their personnel file. The personnel file of the individual employee shall be made available upon reasonable request.

SECTION V EMPLOYEES DUES AUTHORIZATION

The Company agrees to deduct the regular monthly dues and/or initiation fees from wages of each employee who is or becomes a member of the Union provided that such employees has first filed with the Company an individual voluntary written authorization to make such deductions. The form for such authorization is hereto agreed to between the parties and attached hereto and made a part of this Agreement.

The Union dues and/or initiation fees so deducted shall be paid by the Company to the Financial Secretary of the Union, Local 68-68A, monthly for the term of this Agreement. The Union shall certify, in writing, to the Company the amount of dues and/or initiation fees and the name and address of the payee to receive same.

The Company will remit to the Union all deducted dues monies no later than the 15th of the month for which dues were deducted. If payments have not been received in full by the Union within 30 days from the 15th of the month following the month for which dues are owed, the Union shall notify the Company, in writing, of the delinquency or to submit documentation contesting the delinquency. At the end of the five (5) day period, the Union may bypass the grievance procedure and file directly for arbitration. Notwithstanding anything in this Agreement to the contrary, if the Arbitrator finds that the Company was delinquent in transmitting deducted dues payments to the Union, the Arbitrator shall award interest, 20% of the delinquent amount to the Award as liquidated damages, and shall hold the Company liable for the cost of the Arbitration, including the Union's attorney fees. If the Company satisfies the delinquency, prior to the Arbitration hearing by paying to

the Union the amount of the delinquency and the accrued interest, as well as the Arbitrator's late cancellation fee, if any, the matter shall be considered settled and the arbitration shall be withdrawn.

SECTION VI
POLITICAL ACTION COMMITTEE CHECK-OFF

The Company agrees to deduct from each employee the sum of one dollar (\$1.00) per week (or \$52.00 per year) and to forward that amount to the Engineers' Political Action Committee, provided that such employee has first filed with the Company an individual voluntary written authorization to make such deduction. This authorization is voluntarily made on the specific understanding that the signing of this authorization and the making of payments to the Engineers' Political Action Committee are not conditions of membership in Union or of employment with the Company, and that the Engineers' Political Action Committee will use the money it receives to make political contributions and expenditures in connection with Federal, State and local elections.

SECTION VII
SENIORITY

The principle of job seniority, within classification shall prevail in all cases of lay-offs and rehires, vacations, promotions and demotions provided the remaining or recalled employee can reasonably perform the required work. Seniority shall be the original date of hire at the Harrison Rail site.

SECTION VIII
DISCIPLINE OF EMPLOYEES

Employees shall be disciplined or discharged only for just causes.

SECTION IX
GRIEVANCE AND ARBITRATION

This Article shall apply to any difference of opinion, controversy or dispute between the parties hereto relating to any matter of wages, hours or working conditions, or any dispute between the parties involving the interpretation or application of the provisions of this Collective Bargaining Agreement, and such difference of opinion, controversy or dispute shall be handled in the following manner:

The Union Shop Steward and the designated Company representative shall attempt to adjust all disputes between the parties. On failure of settlement, the Union business agent and the designated Company representative shall attempt to adjust dispute.

On failure of settlement, either party may request arbitration provided it entails a question of interpretation, application or enforcement of this Agreement. The arbitrator shall be designated by the American Arbitration Association (AAA). Decision of the arbitrator shall be final. Costs of the arbitrator shall be borne equally.

SECTION X
WAGES

The Union and the Company having had an opportunity to determine the type of work in the building described to be performed for operating engineers and mechanical maintenance have fixed the following rates of pay, Please refer to attached "SCHEDULE A"

SECTION XI
SHIFT DIFFERENTIAL

All employees working the day shift shall be paid the normal contract rate of pay. All employees working the evening shift or early morning shift shall receive the following shift differential added to the normal contract rate for all hours worked during said shifts:

| | |
|---------------------|--------------------------------|
| Evening Shift | .85% of employees hourly rate. |
| Early Morning Shift | 1.2% of employees hourly rate. |

Effective October 1, 2008, the shift differential rates shall be 1.15% for the evening shift and 1.5% for the early morning shift.

SECTION XII
WORK WEEK, WORK DAY, OVERTIME

The Company shall be free to fix the hours of employment, provided that a normal work week for each employee shall consist of forty (40) hours, divided into five (5) days of eight (8) hours each.

All time worked in excess of eight (8) hours per day, or forty (40) hours per week shall be considered overtime, and shall be paid for at the rate of time and one-half provided however, that no employee shall be permitted to work overtime, or receive any pay for overtime, unless said overtime shall, prior to the beginning thereof, have been approved by the employee's supervisor.

Any employee required to work the sixth day in a scheduled work week shall receive time and one-half the normal hourly wage for all hours worked.

Any employee required to work the seventh day in a scheduled work week shall receive double the normal hourly wage for all hours worked.

There shall be no pyramiding of rates for any hours worked in excess of 40 hours per work week and the sixth and seventh day provisions.

Hours of employment each day shall be continuous inclusive of coffee breaks. The Company shall endeavor to keep night shifts to a minimum whenever possible. The Company shall, whenever possible, endeavor to schedule overtime so that the employees required to work overtime shall have at least one-half hour of overtime work, it being understood that overtime compensation be computed on the basis of actual overtime worked to the nearest one-quarter hour.

In the case of layoffs occasioned by reduction of force, classification seniority shall be followed with due consideration for the efficiencies and special needs of the department.

Employees shall be entitled to a fifteen (15) minute break period, prior to working overtime.

SECTION XIII
VACATIONS

The regular employees shall receive vacations with pay in each year according to the following schedule, in accordance with their years of service at the Harrison Path site.

| <u>EMPLOYMENT</u> | <u>VACATION</u> |
|-------------------|-----------------|
| 1 year | 2 weeks |
| 5 years | 3 weeks |
| 10 years | 4 weeks |
| 15 years | 5 weeks |

Should a holiday fall within the vacation period, an additional day of vacation shall be allowed.

The vacation season shall be considered to be anniversary date to anniversary date. Choice of vacation periods shall be according to seniority so far as compatible with the proper operation of the Company and shall rest in the final discretion of the Company.

An employee who leaves his/her position of his/her own accord shall be entitled to accrued vacation credits, provided the employee gives notice in writing of his or her intention to leave at least one week before doing so, the notice to be delivered to the employee's immediate supervisor.

The Company (contractor) shall recognize the current vacation entitlement in each year of the contract and shall have no additional obligation at the termination of their Path contract.

SECTION XIV
HOLIDAYS

The following shall be deemed to be paid holidays:

| | |
|--------------------------|------------------------|
| New Year's Day | Columbus Day |
| Martin Luther King's Day | Veterans Day |
| Washington's Birthday | *Election Day |
| *Good Friday | Thanksgiving Day |
| Memorial Day | Day after Thanksgiving |
| Independence Day | Christmas Day |
| Labor Day | *or 2 personal days |

If any of the above holidays falls on Sunday, then the following Monday shall be deemed to be the holiday. If the holiday falls on a Saturday, employees to have the preceding Friday off.

The Company shall endeavor to have the same holiday schedule as that of the customer (H.R.C.F.).

Any employee not required to work on a holiday shall receive straight time pay for eight (8) hours work as holiday pay.

Any employee required to work on a holiday shall receive in addition to the holiday pay above mentioned, time and one-half the straight time rate for the eight hours worked on such holiday. Holiday pay shall count as time work for the purpose of overtime calculations.

In order to be entitled to holiday pay, an employee must have worked the day preceding and the day subsequent to the holiday unless such absence shall have been previously authorized or subsequently approved by the employee's department or division manager or was for illness of an employee or death in the immediate family of an employee.

SECTION XV PERSONAL DAYS, SICK DAYS

The Company agrees to grant each employee seven (7) days off with pay for personal reasons in each contract year. The employee shall notify the Company at least one week in advance. No more than one employee shall be off on the same personal day. The Company may allow more than one employee off on a personal day, if by doing so it does not interfere

with the Company's operation. The Company agrees to grant to each employee six (6) days off, with pay for illness in each contract year.

Effective October 1, 2008, the employees shall receive one (1) additional sick day per contract year for a total of seven (7) days. Effective September 1, 2009, the employees shall receive one (1) additional sick day per contract year for a total of eight (8) days.

SECTION XVI MISCELLANEOUS

The Union shall designate one member of the Union in the employ of the Company to act as Shop Steward for the engineers and an Assistant Shop Steward for the mechanics. In the event the Shop Steward is required to attend an off shift meeting with Management at a mutually agreed upon time, the Company shall pay the shop steward up to one (1) hour's pay at the regular hourly rate, it being understood and agreed that this time shall not be considered work time for overtime calculations.

Wages shall be paid weekly in cash, check or by electronic banking.

In the event that the regular pay day falls on a holiday, employees shall be paid on the preceding day.

During the period of this Agreement, there shall be no reduction in wages, nor increase in hours, except as herein provided.

The Company shall continue to supply work uniforms as in the past. The Company shall provide one pair of work shoes per year with an allowance up to one hundred and fifty dollars (\$150.00). *Employee must provide receipt of shoe purchase prior to payment.*

In reducing work forces, the Company is required in addition to their accrued vacation credits, to give employees who have been employed by the Company for one year, at least one (1) week's notice of layoff or discharge, or in lieu thereof, an additional average week's pay.

The Company shall reimburse employees for the license fee for Stationary Engineer (Boiler and Refrigeration) licenses, and Electricians licenses once every three (3) years.

SECTION XVII
NO STRIKE - LOCK OUT

During the life of this Agreement, there shall be no strike or other like interference with the Company's business and there will be no lock out on the part of the Company.

SECTION XVIII
WELFARE AND PENSION BENEFITS

The Company shall pay to the Engineers' Union Local 68 Welfare Fund, duly established in accordance with law, the following amounts per hour for each hour a covered employee is paid.

| | | |
|-----------|--------|-----------------|
| Effective | 9/1/07 | \$6.15 per hour |
| Effective | 9/1/08 | \$6.35 per hour |
| Effective | 9/1/09 | \$6.55 per hour |

If additional monies are needed as determined by the Trustees, the increase shall be diverted from Pension, Annuity and/or Wage Rate.

The Company shall pay to the Engineers' Union Local 68 Pension Fund, duly established in accordance with law, the following amounts per hour for each hour a covered employee is paid.

| | | |
|-----------|--------|-----------------|
| Effective | 9/1/07 | \$3.45 per hour |
| Effective | 9/1/08 | \$3.55 per hour |
| Effective | 9/1/09 | \$3.55 per hour |

Payment shall commence as of the date of this Agreement and the employee shall be covered for benefits in accordance with the rules of the Trustees. The Company agrees to the existing Trustees.

Contributions to the above Funds shall be made for all hours which an employee gets paid, thus including payment for holidays and paid vacations. After the three (3) month probationary period has been successfully completed by a newly hired employee, all contributions to the respective Funds must be paid back to date of employment.

Contributions required to said funds shall be remitted to Engineers' Local 68's Fund Office prior to the 30th of the month, following the month during which the obligation occurred. Maximum contribution, forty (40) hours or 2,080 hours per year.

SECTION XIX EDUCATION FUND

The Company agrees to pay to the Engineers' Union Local 68 Education Fund eight dollars (\$8.00) per week, per employee.

Such contributions shall be made for all hours which an employee gets paid, thus including payment for holidays and paid vacations. After the three (3) month probationary period has been successfully completed by a newly hired employee, all contributions to this fund must be paid back to date of employment.

SECTION XX ANNUITY FUND

The Company shall pay to the Engineers' Union Local 68 Annuity Fund, duly established in accordance with law, the following amounts per hour for each hour a covered employee is paid.

| | |
|------------------|-----------------|
| Effective 9/1/07 | \$6.25 per hour |
| Effective 9/1/08 | \$6.50 per hour |
| Effective 9/1/09 | \$7.00 per hour |

In the event an employee is paid at the premium time of time and one-half (1 1/2) the regular hourly rate or double time (2x) the regular hourly rate, the aforementioned

contribution rate shall be likewise increased to time and one-half (1 1/2) or double time (2x) depending upon the rate in effect.

Participation in this Fund is from date of employment, including permanent and temporary employees. After the probationary period has been successfully completed by a newly hired permanent employee, Annuity contributions must be paid for all hours which an employee gets paid, thus including payment for holidays and paid vacations. Temporary employees must be paid from date of hire.

SECTION XXI SPECIAL EMPLOYEES ASSISTANCE WELFARE FUND

The Company shall continue to contribute two dollars (\$2.00) per week per employee to the Local 68 Engineers' Union Special Employees Assistance Welfare Fund.

Such contributions shall be made for all hours which an employee gets paid, thus including payment for holidays and paid vacations. After the three (3) month probationary period has been successfully completed by a newly hired employee, all contributions to the Fund must be paid back to date of employment.

SECTION XXII FUND DELINQUENCY

The Company will forward contributions to the Funds Office by the 15th of the month following the month for which the contributions are owed. If payments have not been received in full by the Funds Office within 30 days from the 15th of the month following the month for which contributions are owed, the Union shall notify the Company, in writing, of the delinquency and the Company shall have five (5) days to correct the delinquency or to submit documentation contesting the delinquency. At the end of the five (5) day period, the Union may bypass the grievance procedure and file directly for arbitration. Notwithstanding anything in this Agreement to the contrary, if the Arbitrator finds that the

Company was delinquent in making benefit contributions, the Arbitrator shall award interest, 20% of the delinquent amount to the Award as liquidated damages, and shall hold the Company liable for the full cost of the Arbitration, including the Union's attorney fees. If the Company satisfies the delinquency, prior to the Arbitration hearing by paying to the Union the amount of the delinquency and the accrued interest, as well as the Arbitrator's late cancellation fee, if any, the matter shall be considered settled and the Arbitration shall be withdrawn.

SECTION XXIII **DEATH IN FAMILY**

An employee shall be granted reasonable time off at the standard rate (not to exceed three (3) days) for absence on account of death to his wife, son, daughter, mother, father, sister, brother, mother-in-law or father-in-law. Time off with compensation shall be consistent with the relationship of the employee and his responsibility for making funeral arrangements, but shall not exceed three (3) days. Employees shall be entitled to one (1) day off with pay to attend the funeral of a grandparent.

SECTION XXIV **JURY DUTY**

Employees actually serving on juries will receive the difference between the straight time hourly basic weekly wage and the amount received while on jury duty for a maximum of two (2) weeks. The employee shall be required to show proof of wages received for the jury service. If a member of the bargaining unit is called for grand jury, upon proof of same, the member will be paid for time served. Employee's working shift scheduled shall be assigned to the day shift for the duration of their jury duty service.

SECTION XXV
CALL IN PAY

Effective September 1, 2001 employees called into work shall receive a minimum of four (4) hours pay at the appropriate overtime rate of pay.

SECTION XXVI
SUCCESSOR AND ASSIGNS

"This Agreement is binding upon the parties hereto and upon their respective successors and assigns and legal representatives."

SECTION XXVII
DURATION

This Agreement shall take effect as of September 1, 2007, and continue until Midnight, August 31, 2010, and from year to year thereafter, unless written notice of termination shall be given to either party by the other at least sixty (60) days prior to the expiration date, or any annual renewal date thereafter; provided however, the Company is under contractual relationship for the work with PATH, HARRISON RAIL CAR FACILITY.

In the event that the Company's Agreement is terminated, then this Agreement must be considered as terminated. This Agreement shall be binding on the successors and assigns of the parties.

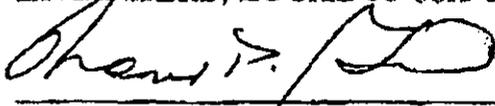
IN WITNESS WHEREOF, the parties hereto have set their hands and seals on the day and year first above written.

LARO SERVICE SYSTEMS, INC.



ROBERT BERTOGLIA
President

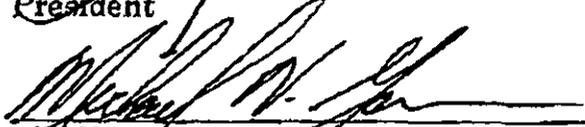
INTERNATIONAL UNION OF OPERATING
ENGINEERS, LOCAL 68-68A-68B, AFL-CIO



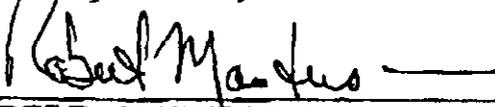
THOMAS P. GIBLIN
Business Manager



DENNIS J. GIBLIN
President



MICHAEL V. GANN
Recording Secretary



ROBERT MASTERSON
Business Representative

SCHEDULE "A"
HARRISON RAIL CAR FACILITY
WAGES

| | <u>9/1/07</u> | <u>10/1/08</u> | <u>9/1/09</u> |
|----------------------------|---------------|----------------|---------------|
| Chief Engineer | \$34.64 | \$36.03 | \$37.48 |
| Maint. Engineer (Red Seal) | \$33.71 | \$35.07 | \$36.48 |
| Engineer (Blue Seal) | \$33.71 | \$35.07 | \$36.48 |
| Fireman | | | |
| Electrician | \$34.01 | \$35.38 | \$36.80 |
| Relief Maint./Eng. | \$33.71 | \$35.07 | \$36.48 |
| Machine Mechanic | \$34.64 | \$36.03 | \$37.48 |

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
PURCHASING SERVICES DIVISION
ONE MADISON AVENUE, 7TH FLOOR
NEW YORK, NY 10010

ADDENDUM # 2 September 24, 2008

**To Prospective BIDDERS – PORT AUTHORITY TRAN-HUDSON
CORPORATION OPERATION AND MAINTENANCE SERVICES AT THE
JOURNAL SQUARE TRANSPORTATION CENTER AND HARRISON CAR
MAINTENANCE FACILITY**

Bid #16594

Due back on **10/23/08**, no later than 11:00 AM

Originally due on **10/23/08**, no later than 11:00 AM

The following changes are hereby made in the subject Bid:

In Part III section 4 entitled "Price Adjustment"

Delete the paragraphs that read as follows:

"For the second year in the option period of the Contract, the Price Index shall be determined for the months of September 2013 and September 2014. The amounts payable to the Contractor in the final year of the 1st Option Period shall be multiplied by a fraction the numerator of which is the Price Index for September 2014 and the denominator of which is the Price Index for September 2013. The resulting product shall be the amounts payable to the Contractor in the second year of the option period.

For the third year in the option period of the Contract, the Price Index shall be determined for the months of September 2014 and September 2015. The amounts payable to the Contractor in the final year of the 1st Option Period shall be multiplied by a fraction the numerator of which is the Price Index for September 2015 and the denominator of which is the Price Index for September 2014. The resulting product shall be the amounts payable to the Contractor in the third year of the option period."

Replace them with the following:

"For the second year in the option period of the Contract, the Price Index shall be determined for the months of September 2013 and September 2014. The amounts payable to the Contractor in the 1st year of the Option Period shall be multiplied by a fraction the numerator of which is the Price Index for September 2014 and the denominator of which is the Price Index for September 2013. The resulting product shall be the amounts payable to the Contractor in the second year of the option period.

For the third year in the option period of the Contract, the Price Index shall be determined for the months of September 2014 and September 2015. The amounts payable to the Contractor in the final year of the 2nd year of the Option Period shall be multiplied by a fraction the numerator of which is the Price Index for September 2015 and the denominator of which is the Price Index for September 2014. The resulting product shall be the amounts payable to the Contractor in the third year of the option period."

All other Terms and Conditions shall remain the same.

This communication should be initialed by you and annexed to your Bid upon submission.

In case any bidder fails to conform to these instructions, its bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

JANE CETERKO, MANAGER
PURCHASING SERVICES DIVISION

BIDDER'S NAME: ISSuing SERVICES

INITIALED: [Signature]

DATE: 10-23-08

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO PRISCILLA DUNCAN WHO CAN BE REACHED AT 212-435-3946.

10-23-08 11:29 RCVD

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
PURCHASING SERVICES DIVISION
ONE MADISON AVENUE, 7TH FLOOR
NEW YORK, NY 10010

ADDENDUM # 3 October 14, 2008

**To Prospective BIDDERS – PORT AUTHORITY TRAN-HUDSON
CORPORATION OPERATION AND MAINTENANCE SERVICES AT THE
JOURNAL SQUARE TRANSPORTATION CENTER AND HARRISON CAR
MAINTENANCE FACILITY**

Bid #16594

Due back on **10/23/08**, no later than 11:00 AM

Originally due on **10/23/08**, no later than 11:00 AM

The following changes are hereby made in the subject Bid:

In Part II Section 11 entitled "Specific Bidder's Prerequisites"

Delete paragraph b. which reads: "During the time period as stated in (a) above, the Bidder, or persons or entities owning and controlling the Bidder, shall have satisfactorily performed or be performing under at least one (1) contract(s) requiring similar services of similar scope to those required under this Contract including but not limited to qualified staffing as described herein in Part V section 21 entitled "Contractors's Personnel"."

Replace it with the following: "During the time period as stated in (a) above, the Bidder, or persons or entities owning and controlling the Bidder, shall have satisfactorily performed or be performing under at least one (1) contract(s) requiring similar services of similar scope to those required under this Contract."

In Part III section 4 entitled "Price Adjustment"

Deleted the last sentence of the second to last paragraph that reads: "Notwithstanding the provisions of this section, in no event shall any annual adjustment hereunder, be greater than three (3%) per annum."

Replace it with the following:

"Notwithstanding the provisions of this section, in no event shall any annual adjustment hereunder, be greater than three (3%) per annum for the position of Maintenance Clerk. All other positions of Chief Watch Engineer, Watch Engineer, Maintenance Mechanic, Maintenance Electrician, Maintenance Mechanical Helper, Machine Mechanic, Maintenance Mechanic (HVAC) are not capped. The Maintenance Administrator position is subject to an adjustment equal to the Chief Watch Engineer's adjusted Direct Wage and Supplemental Benefits plus 3%.

IN Part V Section 7. Entitled "Staffing Levels"

Delete the additional staffing positions listed for Harrison Car Maintenance Facility and Journal Square Transportation Center:

1. The Contractor is required to assign one (1) Maintenance Administrator and a Maintenance Clerk at each facility.

In addition, specific requirements for additional staffing at each facility are as follows:

Journal Square Transportation Center

One (1) Chief Engineer
Four (4) Watch Engineers
Three (3) Maintenance Electricians
Three (3) Maintenance Mechanics

Harrison Car Maintenance Facility

One (1) Chief Engineer
Three (3) Watch Engineers
Two (2) Maintenance Electricians
Two (2) Maintenance Mechanics
One (1) HVAC/Machine Mechanic
One (3) Machine Mechanic

All staff shall be assigned to this Contract on a full time basis to perform assigned routine and non-routine work. Said employees shall be at the facilities during the days and hours delineated in the clause of the Specifications entitled "Contractor's Responsibilities and Obligations". The Contractor shall provide such full coverage regardless of whether the regularly assigned employees are absent from the site of the work due to vacation or personal leave or for any other reason.

Replace it with the following:

1. The Contractor is required to assign one (1) Maintenance Administrator and a Maintenance Clerk at each facility.

In addition, specific requirements for additional staffing at each facility are as follows:

Journal Square Transportation Center

One (1) Chief Watch Engineer
Four (4) Watch Engineers
Three (3) Maintenance Electricians
Two (2) Maintenance Mechanics
One (1) Maintenance Mechanical Helper

Harrison Car Maintenance Facility

One (1) Chief Watch Engineer
Three (3) Watch Engineers
Two (2) Maintenance Electricians
Two (2) Maintenance Mechanics
One (1) Machine Mechanic with HVAC Experience
Three (3) Machine Mechanic

All staff shall be assigned to this Contract on a full time basis to perform assigned routine and non-routine work. Said employees shall be at the facilities during the days and hours delineated in the clause of the Specifications entitled "Contractor's Responsibilities and Obligations". The Contractor shall provide such full coverage regardless of whether the regularly assigned employees are absent from the site of the work due to vacation or personal leave or for any other reason.

In Part V section 21 paragraph A. subparagraph e) entitled "Maintenance Administrator"

Delete the following first sentence:

"The Contractor shall provide the services of a Maintenance Administrator, subject to the approval of the Superintendent or his designee who shall possess, as a minimum, a valid P.E. License, Stationary Engineer's license or refrigeration license, seven (7) years of experience in the management of facility and building maintenance activities for systems and equipment and components substantially comparable to the systems, equipment and components at the Facility which the Contractor is obligated to maintain under this Contract."

Replace it with the following:

"The Contractor shall provide the services of a Maintenance Administrator, subject to the approval of the Superintendent who shall possess, as a minimum, a valid P.E. License or Red Seal Engineer's License, seven (7) years of experience in the management of facility and building maintenance activities for systems and equipment and components substantially comparable to the systems, equipment and components at the Facility which the Contractor is obligated to maintain under this Contract."

In Part V section 21 paragraph B. subparagraph f) entitled "**Maintenance Administrator**"

Delete the following first sentence:

"The Contractor shall provide the services of a Maintenance Administrator, subject to the approval of the Superintendent or his designee who shall possess, as a minimum, a valid P.E. License, Stationary Engineer's license or refrigeration license, seven (7) years of experience in the management of facility and building maintenance activities for systems and equipment and components substantially comparable to the systems, equipment and components at the Facility which the Contractor is obligated to maintain under this Contract."

Replace it with the following:

"The Contractor shall provide the services of a Maintenance Administrator, subject to the approval of the Superintendent who shall possess, as a minimum, a valid P.E. License or Red Seal Engineer's License, seven (7) years of experience in the management of facility and building maintenance activities for systems and equipment and components substantially comparable to the systems, equipment and components at the Facility which the Contractor is obligated to maintain under this Contract."

Also, in the same paragraph (Part V section 21 paragraph B. subparagraph f) entitled "Maintenance Administrator") change hours of work from 6:30 AM to 2:30 PM to 6:30 AM and 3:00 PM.

In Part III section 10 entitled "Net Cost Items and Compensation for Net Cost Items"

Delete the fifth paragraph that reads: "The Contractor shall obtain the written approval of the Superintendent or his designee prior to making any expenditures hereunder for any item of materials, supplies, tools and equipment pursuant to this clause if an individual purchase or accumulated expenditures to the same vendor on a given day will exceed \$500,000."

Replace it with the following:

"The Contractor shall obtain the written approval of the Superintendent or his designee prior to making any expenditures hereunder for any item of materials, supplies, tools and equipment pursuant to this clause if an individual purchase or accumulated expenditures to the same vendor on a given day will exceed \$500.00."

In Part V section 6 entitled "Contractor's General Responsibilities, Obligations and Services" paragraph 2 (Harrison Car Maintenance Facility):

Add equipment: Simmons Wheel Truing Machine and Car Pulling System

The following information below is made available in response to questions submitted by prospective Bidders. It should not be deemed to answer all questions, which have been submitted by Bidders to the Port Authority. It addresses only those questions, which the Port Authority has deemed to require additional information and/or clarification. The fact that information has not been supplied with respect to any questions asked by a Bidder does not mean or imply, nor should it be deemed to mean or imply, any meaning, construction, or implication with respect to terms.

The Port Authority makes no representations, warranties or guarantees that the information contained herein is accurate, complete or timely or that such information accurately represents the conditions that would be encountered during the performance of the Contract. The furnishing of such information by the Port Authority shall not create or be deemed to create any obligation or liability upon it for any reason whatsoever and each Bidder, by submitting its proposal, expressly agrees that it has not relied upon the foregoing information, and that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever. Accordingly, nothing contained herein and no representation, statement or promise, of the Port Authority, its directors, officers, agents, representatives, or employees, orally or in writing, shall impair or limit the effect of the warranties of the Bidder required by this RFP or any resulting contract and the Bidder agrees that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever.

Note: Similar and related questions have been consolidated. Therefore, you should carefully read all questions and responses, as your questions may be answered in a slightly different format than submitted. Responses to questions will be provided through Addenda to the RFP. All potential Bidders will receive the same comprehensive list of questions and responses.

Questions/Answer:

1. Is the contractor required to meet minimum staffing for the Maintenance Administrator (both locations) on a hour for hour basis at the contractor's expense regardless of sick, vacation and/or personal time?
 - a. Answer: YES
2. Is the contractor required to maintain "engineering" staffing (both locations) on a hour for hour basis at the contractor's expense regardless of personnel (engineering staff) having time off due to sick, vacation, personal time, etc?
 - a. Answer: YES
3. Will the PANYNJ reimburse the contractor for additional hours required for specific training or other requests from the PANYNJ not otherwise defined as the contractor's responsibility in the specifications?
 - a. Answer: YES for training requested by PATH. An exception to reimbursement will be any federally or state mandated training/certifications required for the staff positions not mandated at the time of award.
4. Is the contractor responsible for the purchase of ALL consumables (at the contractor's expense; i.e. filters, belts, grease, oil(s), etc) required in the execution of maintenance services for the PANYNJ facility equipment list?
 - a. Answer: YES
5. Is the contractor responsible for the cost of replacing workers (hour for hour to meet minimum staffing) when personnel attends required licensing/training classes as defined in the specifications?
 - a. Answer: If the training is conducted off-site - YES
6. Is the contractor responsible to replace the administrative clerk at the contractor's expense for personal time off (sick, vacation, personal time, etc)?
 - a. Answer: YES
7. Are we to understand that the only required document at the time of the bid opening is the "Red Book" (BID NO. 16594) filled out as instructed with a reference sheet (similar projects)?
 - a. Answer: YES, plus any additional supporting documentation to substantiate the proposer meets the prerequisites.
8. Is there an opportunity for the proposer to exhibit value added services and/or present a more formal proposal detailing our approach to the project?
 - a. Answer: NO
9. Holiday coverage at Harrison station 6:AM-2:30PM and Journal Square 7:30am-4:00pm is this included in lump sum price or billed additionally?
 - a. Answer: YES (see correct working hours In Part V section 21 paragraph B)
10. Light Replacement who provides the Bulbs contractor or PA if contractor can we get a count of each type?
 - a. Answer: Contractor is reimbursed for all bulb/lamp replacements.
11. The PO Contracts w/ companies such as Lund Fire Products, Carrier or Permador, Inc are the made directly with the PA and paid directly by PA or will they be assumed by Contractor who has to include them on our lump sum cost?
 - a. Answer: The PO Contracts are directly with PATH and paid directly by PATH, Contractor only administers and provides oversight when they are on the Facility.
12. Do you have a spreadsheet or report that out lines or summarizes the approximate total usage for the last contract period of all small parts purchased such as grease, oil, Filters, etc which is the contractors responsibility to supply?
 - a. Answer: NO, PATH does not monitor small parts purchased by the Contractor.
13. Is the Maintenance Administrator or and the Maintenance Clerk members of local 68?
 - a. Answer: NO
14. There are significant costs involved with training required under this contract, including replacing staff if they are off-site for training. Are the initial and on-going training, certification, and license fees reimbursed by the Port Authority?
 - a. Answer: NO
15. Is the contractor required to replace staff who are off-site for training, licensing, etc. functions?
 - a. Answer: YES

All other Terms and Conditions shall remain the same.

This communication should be initialed by you and annexed to your Bid upon submission.

In case any bidder fails to conform to these instructions, its bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

JANE CETERKO, MANAGER
PURCHASING SERVICES DIVISION

BIDDER'S NAME: _____

INITIALED: _____

DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO
PRISCILLA DUNCAN WHO CAN BE REACHED AT 212-435-3946.

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
PURCHASING SERVICES DIVISION
ONE MADISON AVENUE, 7TH FLOOR
NEW YORK, NY 10010

ADDENDUM # 4 October 21, 2008

To Prospective BIDDERS – PORT AUTHORITY TRAN-HUDSON
CORPORATION OPERATION AND MAINTENANCE SERVICES AT THE
JOURNAL SQUARE TRANSPORTATION CENTER AND HARRISON CAR
MAINTENANCE FACILITY

Bid #16594

Due back on 10/23/08, no later than 11:00 AM

Originally due on 10/23/08, no later than 11:00 AM

The following changes are hereby made in the subject Bid:

The following information is made available in response to questions submitted by prospective Bidders. It should not be deemed to answer all questions, which have been submitted by Bidders to the Port Authority. It addresses only those questions, which the Port Authority has deemed to require additional information and/or clarification. The fact that information has not been supplied with respect to any questions asked by a Bidder does not mean or imply, nor should it be deemed to mean or imply, any meaning, construction, or implication with respect to terms.

The Port Authority makes no representations, warranties or guarantees that the information contained herein is accurate, complete or timely or that such information accurately represents the conditions that would be encountered during the performance of the Contract. The furnishing of such information by the Port Authority shall not create or be deemed to create any obligation or liability upon it for any reason whatsoever and each Bidder, by submitting its proposal, expressly agrees that it has not relied upon the foregoing information, and that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever. Accordingly, nothing contained herein and no representation, statement or promise, of the Port Authority, its directors, officers, agents, representatives, or employees, orally or in writing, shall impair or limit the effect of the warranties of the Bidder required by this RFP or any resulting contract and the Bidder agrees that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever.

Note: Similar and related questions have been consolidated. Therefore, you should carefully read all questions and responses, as your questions may be answered in a slightly different format than submitted. Responses to questions will be provided through Addenda to the RFP. All potential Bidders will receive the same comprehensive list of questions and responses.

Questions/Answer:

1. Please provide a breakdown by category of the hourly supplemental benefits identified in Part V, section 3 C for each position (Union positions, Maintenance Administrator and Maintenance Clerk) at the Journal Square Transportation Center and the Harrison Car Maintenance Facility. It appears that the hourly supplemental benefits identified in Part

V, section 3 C are higher than those required by the collective bargaining agreement currently in effect at each site provided in addendum #1.

1. Answer: A break down of the benefits indicated in Part V, section 3 C is not available. The contractor awarded this contract must be in compliance with all information included in this bid process.

2. Part V section 3 c does not identify \$0.15 per hour differential required by the existing collective bargaining agreement for any employees certified in asbestos removal.

2. Answer The contractor awarded this contract must be in compliance with all information included in this bid process.

3. Please provide a list of current vacation time earned by each category starting February 1, 2009.

3. Answer: The seniority roster is attached hereto.

4. Under Part V section 21 e) Maintenance Administrator, it states that "the Maintenance Administrator on JSTC premises is required between the hours of 7:00 AM and 4:30 PM". Is the Maintenance Administrator paid overtime for those hours worked over 8 hours per day?

4. Answer: No overtime paid. The standard workday at JSTC (7-4:30 PM).

5. Please identify the purpose and intent of providing the "Calculation of Hourly Rate" forms. Since the contract prices are a "lump sum" and are adjusted using the applicable Consumer Price Index, what does the detailed hourly rate breakdown provide since the minimum hourly wages and supplemental benefits are specified in Part V a section 3 and adjustments to those rates are specified in Part V section 3 D and the new Part III section 4, provided by addendum III. Why isn't a "Calculation of Hourly Rate" form needed for the Maintenance Administrator?

5. Answer: All Bidders are required to complete calculation of hourly rate form for Port Authority Vetting purposes. Please find attached a calculation of hourly rate form for the Maintenance Administrator

All other Terms and Conditions shall remain the same.

This communication should be initialed by you and annexed to your Bid upon submission.

In case any bidder fails to conform to these instructions, its bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

JANE CETERKO, MANAGER
PURCHASING SERVICES DIVISION

BIDDER'S NAME:

ISS TMC SERVICES

INITIALED:

[Signature]

DATE:

10-23-08

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO PRISCILLA DUNCAN WHO CAN BE REACHED AT 212-435-3946.

23-08A11:29 RCVD

| Name | Seniority Date | Position | Vacation | Sick | Personal |
|--|--------------------|----------------------|----------|------|----------|
| Harrison Car Maintenance Facility | | | | | |
| Tom | May 23, 2003 | Maint Mech | 10 | 7 | 7 |
| Mike | January 1, 2005 | Maint Elect | 10 | 7 | 7 |
| Frac | February 22, 1994 | Watch Engineer | 20 | 7 | 7 |
| Frar | January 26, 1998 | Watch Engineer | 20 | 7 | 7 |
| Nas: | August 1, 1999 | Watch Engineer | 20 | 7 | 7 |
| Pat I | October 2, 1983 | Chief Watch Engineer | 20 | 7 | 7 |
| Kevi | February 13, 2002 | Maint Mech | 15 | 7 | 7 |
| Kevi | April 3, 2000 | Maint Mech | 15 | 7 | 7 |
| Mike | February 3, 1992 | Maint Mech | 25 | 7 | 7 |
| Way | September 24, 2007 | Maint Elect | 10 | 7 | 7 |
| Rich | November 15, 2008 | Maint Mech | 10 | 7 | 7 |
| Jeff | November 20, 2000 | Maint Mech | 15 | 7 | 7 |
| Rob | October 1, 1998 | Maint Admin X | 20 | 7 | 7 |
| Bev | November 1, 1990 | Maint Clerk X | 20 | 7 | 7 |
| JOURNAL SQUARE | | | | | |
| TRANSPORTATION CENTER | | | | | |
| DCN | July 13, 1981 | Watch Engineer | 25 | 7 | 6 |
| DAV | June 1, 1996 | Watch Engineer | 20 | 7 | 6 |
| TOM | April 1, 1992 | Watch Engineer | 25 | 7 | 6 |
| JOH | January 9, 2002 | Watch Engineer | 10 | 7 | 6 |
| BILL | November 5, 1972 | Chief Watch Engineer | 25 | 7 | 6 |
| Chri | August 25, 2003 | Maint Elect ASB O&M | 15 | 7 | 6 |
| JOH | October 25, 1999 | Maint Elect ASB O&M | 15 | 7 | 6 |
| RICI | February 1, 1994 | Maint Elect | 20 | 7 | 6 |
| Hert | February 20, 2002 | Maint Mech ASB O&M | 15 | 7 | 6 |
| PAU | June 8, 1998 | Maint Mech ASB O&M | 20 | 7 | 6 |
| Johr | May 5, 2007 | Make-up Mech | 10 | 7 | 6 |
| Matt | September 16, 2005 | Maint Helper | 10 | 7 | 6 |
| ELE | June 5, 1998 | Maintenance Clerk X | 20 | 7 | 6 |
| Bart | August 1, 2000 | Maintenance Clerk X | 2 | 7 | 1 |
| Cha | FEB-15-1998 | Maint Admin X | 20 | 7 | 6 |

*Non-Union Represented

THE PORT AUTHORITY OF NY & NJ
PURCHASING SERVICES DIVISION
ONE MADISON AVENUE, 7TH FL.
NEW YORK, NY 10010

INVITATION FOR BID PUBLIC BID OPENING

BID INFORMATION

TITLE: PORT AUTHORITY TRAN-HUDSON CORPORATION OPERATION AND
MAINTENANCE SERVICES AT THE JOURNAL SQUARE TRANSPORTATION CENTER
AND HARRISON ARMY MAINTENANCE FACILITY

BID NO: 16594

MEMORANDUMS BEFORE THE DUE DATE AND TIME TO THE ABOVE ADDRESS
WHERE THEY WILL BE PUBLICLY OPENED AND READ

BID DUE DATE: October 23, 2008

TIME: 11:00 AM

BUYER NAME: Priscilla Duncan

PHONE NO: (212) 435-3946

FAX NO: (212) 435-3959

BIDDER INFORMATION

(JOB TO BE COMPLETED BY THE BIDDER)

(PLEASE PRINT)

ISS TMC SERVICES INC

(NAME OF BIDDING ENTITY)

81 WORKMAN AVENUE

(ADDRESS)

WILMINGTON, MD 21201

(CITY, STATE AND ZIP CODE)

ART KAPLAN VICE PRESIDENT 978 790 0032

(REPRESENTATIVE TO CONTACT NAME & TITLE)

(TELEPHONE)

978 790 7261

(FEDERAL TAX ID NO)

(FAX NO)

BUSINESS CORPORATION

PARTNERSHIP

INDIVIDUAL

(OTHER SPECIES)

INVITATION FOR BID

- COVER PAGE: BID AND BIDDER INFORMATION
- PART I - STANDARD INFORMATION FOR BIDDERS
- PART II - CONTRACT SPECIFIC INFORMATION FOR BIDDERS
- PART III - CONTRACT SPECIFIC TERMS AND CONDITIONS
- PART IV - SIGNATURE SHEET, NAME AND RESIDENCE OF PRINCIPALS AND PRICING SHEET(S)
- PART V -- SPECIFICATIONS
- STANDARD CONTRACT TERMS AND CONDITIONS

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PART I - STANDARD INFORMATION FOR BIDDERS

1. Form and Submission of Bid

The Bidder shall review carefully every provision of this document, provide all the information required, and sign and return one entire copy to the Port Authority in accordance with the instructions on the Cover Sheet and Part II – Contract Specific Information for Bidders. The Bidder should retain one complete duplicate copy for its own use. The "Signature Sheet" contained herein must be completed and signed by the Bidder. The Pricing Sheet(s) contained herein must also be completed. The bid shall be sealed in the enclosed self-addressed envelope with the Bidder's name and address conspicuously marked. In submitting this bid, the Bidder offers to assume the obligations and liabilities imposed upon it herein and expressly makes the representations and warranties required in this document.

All Bids must be received by the bid custodian on or before the due date and time specified on the cover page, at which time they will be publicly opened and read. Bids are only accepted Monday through Friday, excluding Port Authority holidays, between the hours of 8:00 a.m. and 5:00 p.m., via (1) regular mail, (2) express delivery service (e.g. UPS), or (3) hand delivery.

2. Firm Offer

The Bidder offers to provide the Port Authority Trans-Hudson Corporation ("PATH") the services and to perform all other Work in connection therewith required under this Contract, all as specified by the terms and conditions of the Contract, based on the Pricing Sheets provided herein. As used herein, the term "Port Authority" shall mean the Port Authority of New York and New Jersey acting on behalf of PATH.

EXCEPTIONS TAKEN OR CONDITIONS IMPOSED BY A BIDDER TO ANY PORTION OF THE CONTRACT DOCUMENTS WILL RESULT IN REJECTION OF THE BID.

3. Acceptance or Rejection of Bids

The acceptance of a bid will be by a written notice signed by an authorized representative on behalf of the Authority. No other act of the Port Authority, its Commissioners, officers, agents or employees shall constitute acceptance of a bid. The Authority reserves the unqualified right, in its sole and absolute discretion, to reject any or all bids or to accept any bid, which in its judgment will best serve the public interest and to waive defects in any bid. No rights accrue to any Bidder unless and until its bid is accepted.

4. Bidder's Questions

Any questions by prospective Bidders concerning the Work to be performed or the terms and conditions of the Contract may be addressed to the Buyer listed on the Cover Sheet of this document. The Buyer is only authorized to direct the attention of prospective Bidders to the portions of the Contract. No employee of the Port Authority is authorized to interpret any portion of the Contract or to give information in addition to that contained in the Contract. When Contract interpretation or additional information as to the Contract requirements is deemed necessary by the

Port Authority, it shall be communicated to all Bidders by written addenda issued under the name of the Manager, Purchasing Services Division of the Port Authority. Addenda shall be considered part of the Contract.

5. Additional Information To and From Bidders

- a. Should the Authority require additional information from the Bidder in connection with its bid, such information shall be submitted within the time frame specified by the Port Authority.
- b. If the Bidder is a corporation, a statement of the names and residences of its officers should be submitted on the Name and Residence of Principals Sheet, directly following the Signature Sheet.

6. Union Jurisdiction

All prospective Bidders are advised to ascertain whether any union now represented or not represented at the Facility will claim jurisdiction over any aspect of the operations to be performed hereunder and their attention is directed to the paragraph entitled "Harmony" in the Standard Contract Terms and Conditions.

7. Assessment of Bid Requirements

The Bidder should carefully examine and study the entire contents of these bid documents and shall make its own determinations as to the services and materials to be supplied and all other things required to be done by the Contractor.

8. Bidder's Prerequisites

Only Bidders who can comply with the prerequisites specified in Part II hereof at the time of the submission of its bid should submit bids, as only bids submitted by such Bidders will be considered. By furnishing this document to the Bidder, the Port Authority has not made a determination that the Bidder has met the prerequisites or has otherwise been deemed qualified to perform the services. A determination that a Bidder has met the prerequisites is no assurance that they will be deemed qualified in connection with other bid requirements included herein.

9. Qualification Information

The Port Authority may give oral or written notice to the Bidder to furnish the Port Authority with information and to meet with designated representatives of the Port Authority relating to its qualifications and ability to fulfill the Contractor's obligations hereunder. The requested information shall be submitted no later than three (3) days after said notice unless otherwise indicated. Matters upon which the Port Authority may inquire shall include, but not be limited to, the following:

- a. The Bidder may be required to demonstrate that it is financially capable of performing this Contract, and the determination of the Bidder's financial qualifications will be made by the Port Authority in its sole discretion. The Bidder shall submit such financial and other relevant information as may be required by the Port Authority from time to time including, but not limited to, the following:
 1. (i) Certified financial statements, including applicable notes, reflecting the Bidder's assets, liabilities, net worth, revenues, expenses, profit or loss and cash flow for the most recent calendar year or the Bidder's most recent fiscal year.

(ii) Where the certified financial statements set forth in (i) above are not available, then either reviewed or compiled statements from an independent accountant setting forth the aforementioned information shall be provided.

(iii) Where neither certified financial statements nor financial statements from an independent accountant are available, as set forth in (i) and (ii) above, then financial statements containing such information prepared directly by the Bidder may be submitted; such financial statements, however, must be accompanied by a signed copy of the Bidder's most recent *Federal income tax return* and a statement in writing from the Bidder, signed by an executive officer or his/her authorized designee, that such statements accurately reflect the present financial condition of the Bidder.

Where the statements submitted pursuant to subparagraph's (i), (ii) or (iii) *aforementioned* do not cover a period which includes a date not more than forty-five (45) days prior to the date on which the bids are opened, then the Bidder shall also submit a statement in writing, signed by an executive officer of the Bidder or his/her designee, that the present financial condition of the Bidder is at least as good as that shown on the statements submitted.

2. A statement of work which the Bidder has on hand, including any work on which a bid has been submitted, containing a description of the work, the annual dollar value, the location by city and state, the current percentage of completion, the expected date for completion, and the name of an individual most familiar with the Bidder's work on these jobs.
 3. The name and address of the Bidder's banking institution, chief banking representative handling the Bidder's account, the Bidder's Federal Employer Identification Number (i.e., the number assigned to firms by the Federal Government for tax purposes), the Bidder's Dun and Bradstreet number, if any, the name of any other credit service to which the Bidder has furnished information, and the number, if any, assigned by such service to the Bidder's account.
- b. Information relating to the Bidder's Prerequisites, if any, as set forth in this document.
 - c. If the Bidder is a corporation: (1) a copy of its Certificate of Incorporation and, if applicable, all Amendments thereto with a written declaration signed by the Secretary of the Corporation with the corporate seal affixed thereto, stating that the copy furnished is a true copy of the Certificate of Incorporation and any such Amendments as of the date of the opening of the bid and (2) if the Bidder is not incorporated under the laws of the state in which the service is to be performed, a certificate from the Secretary of State of said state evidencing the Bidder's legal qualification to do business in that state.
 - d. A statement setting forth the names of those personnel to be in overall charge of the service and those who would be exclusively assigned to supervise the

service and their specific roles therein, setting forth as to each the number of years of experience and in which functions and capacities each would serve.

- e. Information to supplement any statement submitted in accordance with the Standard Contract Terms and Conditions entitled "Contractor's Integrity Provisions."
- f. In the event that the Bidder's performance on a current or past Port Authority or PATH contract or contracts has been rated less than satisfactory, the Manager, Purchasing Services Division, may give oral or written notice to the Bidder to furnish information demonstrating to the satisfaction of such Manager that, notwithstanding such rating, such performance was in fact satisfactory or that the circumstances which gave rise to such unsatisfactory rating have changed or will not apply to performance of this Contract, and that such performance will be satisfactory.
- g. The Bidder recognizes that it may be required to demonstrate to the satisfaction of the Port Authority and PATH that it in fact can perform the services as called for in this Contract and that it may be required to substantiate the warranties and representations set forth herein and the statements and assurances it may be required to give.

Neither the giving of any of the aforesaid notices to a Bidder, the submission of materials by a Bidder, any meeting which the Bidder may have with the Port Authority, nor anything stated by the Port Authority and/or PATH in any such meeting shall be construed or alleged to be construed as an acceptance of said Bidder's bid. Nothing stated in any such meeting shall be deemed to release any Bidder from its offer as contained in the bid.

10. Facility Inspection

Details regarding the Facility inspection for all parties interested in submitting a bid are stipulated in Part II hereof. All Bidders must present company identification and photo identification for access to the Facility.

11. Available Documents - General

Certain documents, listed in Part II, hereof will be made available for reference and examination by Bidders either at the Facility Inspection, or during regular business hours. Arrangements to review these documents at a time other than the Facility Inspection can be made by contacting the person listed in Part II as the contact for the Facility Inspection.

These documents were not prepared for the purpose of providing information for Bidders upon this Contract but they were prepared for other purposes, such as for other contracts or for design purposes for this or other contracts, and they do not form a part of this Contract. PATH makes no representation or guarantee as to, and shall not be responsible for their accuracy, completeness or pertinence, and, in addition, shall not be responsible for the inferences or conclusions to be drawn there from.

12. Pre-award Meeting

The lowest qualified Bidder may be called for a pre-award meeting prior to award of the Contract.

13. Price Preference

A price preference may be available for Minority/Women Business Enterprises (M/WBEs) or Small Business Enterprises (SBEs) as set forth in the Standard Contract Terms and Conditions.

14. Good Faith Participation

The Contractor shall use every good-faith effort to provide for meaningful participation by certified Minority Business Enterprises (MBEs) and certified Women-owned Business Enterprises (WBEs) as defined in the Standard Contract Terms and Conditions, in all purchasing, subcontracting and ancillary service opportunities associated with this Contract, including purchase of equipment, supplies and labor services.

Good Faith efforts to include participation by MBEs/WBEs shall include the following:

- a. Dividing the services and materials to be procured into small portions, where feasible.
- b. Giving reasonable advance notice of specific contracting, subcontracting and purchasing opportunities to such MBEs/WBEs as may be appropriate.
- c. Soliciting services and materials, to be procured, from the Directory of MBEs/WBEs, a copy of which can be obtained by contacting the Port Authority's Office of Business and Job Opportunity (OBJO) at (212) 435-7819 or seeking MBEs/WBEs from other sources.
- d. Insuring that provision is made to provide progress payments to MBEs/WBEs on a timely basis.

15. City Payroll Tax

Bidders should be aware of the payroll tax imposed by the:

- a) City of Newark, New Jersey for services performed in Newark, New Jersey;
- b) City of New York, New York for services performed in New York, New York; and
- c) City of Yonkers, New York for services performed in Yonkers, New York.

These taxes, if applicable, are the sole responsibility of the Contractor. Bidders should consult their tax advisors as to the effect, if any, of these taxes. The Port Authority provides this notice for informational purposes only and is not responsible for either the imposition or administration of such taxes. The Port Authority exemption set forth in the Paragraph headed "Sales or Compensating Use Taxes", in the Standard Contract Terms and Conditions included herein, does not apply to these taxes.

16. Additional Bidder Information

Prospective Bidders are advised that additional vendor information, including but not limited to, forms, documents and other information, including protest procedures, may be found on the Port Authority website at:

http://www.panynj.gov/DoingBusinessWith/contractors/html/other_info.html

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PART II - CONTRACT SPECIFIC INFORMATION FOR BIDDERS

The following information may be referred to in other parts hereof, or further detailed in other parts hereof, if applicable.

1. Service(s) Required

PATH requires on-site skilled personnel for such services, but not limited to, operating and maintaining the building systems, equipment, facilities and structures of the Journal Square Transportation Center and Harrison Car Maintenance Facility, as directed by the Superintendent, and to furnish all the necessary or proper or incidental thereto, all in strict accordance with the Contract Specifications and any future changes therein, the Contractor further agrees to assume and perform all other duties and obligations imposed upon him by this Contract.

2. Location(s) Services Required

Harrison Car Maintenance Facility (HCMF) Harrison, New Jersey and the Journal Square Transportation Center, Jersey City, NJ, as more fully described in the definition of "Facility" in the Specifications.

3. Expected Date of Commencement of Contract

On or about February 1, 2009

4. Contract Type

Lump Sum

5. Duration of Contract

Five (5) years to expire on or about January 31, 2014

6. Price Adjustment during Base Term (Index Based)

Price adjustment during the Base Term shall be pursuant to the clause entitled "Price Adjustment" in Part III hereof.

7. Option Period(s)

There shall be up to One (1) three (3) year Option Period(s).

8. Price Adjustment during Option Period(s) (Index Based)

Price adjustment during the Option Period(s) shall be pursuant to the clause entitled "Price Adjustment" in Part III hereof.

9. Extension Period

120-days Applicable

10. Facility Inspection

Date and Time: Journal Square Transportation Facility on October 9, 2008 at 10:00am - Conf. Room 9A Large. A trip to Harrison Car Maintenance Facility follows.

~~AK~~ ~~IFS~~ ~~Integrated Facility Services~~

Please contact Denise DeFilippis at 973-350-3989 to confirm attendance and/or receive travel directions.

11. Specific Bidder's Prerequisites

- a. The Bidder shall have had at least five (5) year(s) of continuous experience immediately prior to the date of submission of its bid in the management and operation of building management, maintenance and building operations services, (not janitorial, general cleaning and/or security services), similar to the type required at Port Authority Trans-Hudson Corps.' Journal Square Transportation Center and Harrison Car Maintenance Facilities and during that time actually engaged in providing said or such services to commercial or industrial accounts under contract. The Bidder may fulfill this prerequisite if the Bidder can demonstrate to the satisfaction of the Port Authority that the persons or entities owning and controlling the Bidder have had a cumulative total of at least five (5) year(s) of experience immediately prior to the date of the submission of its bid in the management and operation of a business actually engaged in providing these services to commercial or industrial accounts under contract during that time, or have owned and controlled other entities which have actually engaged in providing the above described services during that time period.
- b. During the time period as stated in (a) above, the Bidder, or persons or entities owning and controlling the Bidder, shall have satisfactorily performed or be performing under at least one (1) contract(s) requiring similar services of similar scope to those required under this Contract including but not limited to qualified staffing as described herein in Part V section 21 entitled "Contractors's Personnel".
- c. The Bidder shall have had in its last fiscal year, or last complete calendar year immediately preceding the opening of its bid, a minimum of \$4,000,000 annual gross income from the type of services required under this Contract.

Proof that the above prerequisites are met should be submitted with the bid.

12. Available Documents

The following documents will be made available for reference and examination:

- PAT-225.910. Building Operations & Maintenance Services at PATH's JSTC & HCMF. Purchase Order #4500021719 Laro System Services, Inc.
- Purchase Order Contract #4500048870 Lund Fire Products. HCMF Fire Equipment
- Purchase Order Contract #4500046911. One Source Energy. HCMF HVAC
- Purchase Order Contract #4500026647. Carrier, Inc., JSTC HVAC
- Purchase Order Contract #45000053282. Creamer Environmental, Inc. HCMF Removal & Disposal of Waste Oil
- Purchase Order Contract #4500041823. Permador, Inc., HCMF Cranes & Hoists

- Purchase Order Contract #4500045512 Siemens, Inc., HCMF Building Management System
- Purchase Order Contract #4500046054 APS, American Protective Services. HCMF Fire Protection System
- Purchase Order Contract #4500050585 MX Industries. HCMF Magnaflux System Maint.
- Purchase Order Contract #4500017679, Johnson Controls. JSTC HVAC Maintenance

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PART III – CONTRACT SPECIFIC TERMS AND CONDITIONS

1. General Agreement

Subject to all of the terms and conditions of this Contract, the undersigned (hereinafter called the "Contractor") hereby offers and agrees to provide all the necessary supervision, personnel, equipment, materials and all other things necessary to perform the Work required by this Contract as specified in Part II, and fully set forth in the Specifications, at the location(s) listed in Part II, and fully set forth in the Specifications, and do all other things necessary or proper therefore or incidental thereto, all in strict accordance with the provisions of the Contract Documents and any future changes therein; and the Contractor further agrees to assume and perform all other duties and obligations imposed upon him/her by this Contract.

In addition, all things not expressly mentioned in the Specifications but involved in the carrying out of their intent and in the complete and proper execution of the matters referred to in and required by this Contract are required by the Specifications, and the Contractor shall perform the same as though they were specifically delineated, described and mentioned therein.

2. Duration

- a) The initial term of this Contract (hereinafter called the "Base Term") shall commence on or about the date specified in Part II hereof, on the specific date set forth in the Port Authority's written notice of bid acceptance (hereinafter called the "Commencement Date"), and unless otherwise terminated, revoked or extended in accordance with the provisions hereof, shall expire as specified in Part II hereof, (hereinafter called the "Expiration Date").
- b) If specified as applicable to this Contract and set forth in Part II hereof, the Port Authority shall have the right to extend this Contract for additional period(s) (hereinafter referred to as the "Option Period(s)") following the Expiration Date, upon the same terms and conditions subject only to adjustments of charges, if applicable to this Contract, as may be hereinafter provided in the paragraph entitled "Price Adjustments". If the Port Authority shall elect to exercise the option(s) to extend this Contract, then, not later than thirty (30) days prior to the Expiration Date, the Port Authority shall send a notice that it is extending the Base Term of this Contract, as aforesaid, and the Base Term of this Contract shall thereupon be extended for the applicable Option Period. If the Contract provides for more than one Option Period, the same procedure shall apply with regard to extending the term of this Contract for succeeding Option Periods.
- c) Unless specified as not applicable to this Contract in Part II hereof, the Port Authority shall have the absolute right to extend the Base Term for an additional period of up to one hundred and twenty (120) days subsequent to the Expiration Date of the Base Term, or the Expiration Date of the final exercised Option Period (hereinafter called the "Extension Period"), subject to the same terms and conditions as the previous contract period. The prices quoted by the Contractor

for the previous contract period shall remain in effect during this Extension Period without adjustment. If it so elects to extend this Contract, the Port Authority will advise the Contractor, in writing that the term is so extended, and stipulate the length of the extended term, at least thirty (30) days prior to the expiration date of the previous contract period.

3. Payment

Subject to the provisions of this Contract, PATH agrees to pay to the Contractor and the Contractor agrees to accept from PATH as full and complete consideration for the performance of all its obligations under this Contract and as sole compensation for the Work performed by the Contractor hereunder, a compensation calculated from the actual quantities of services performed and the respective prices inserted by the Contractor in the Pricing Sheet(s), forming a part of this Contract, exclusive of compensation under the clause hereof entitled "Extra Work". The manner of submission of all bills for payment to the Contractor by PATH for Services rendered under this Contract shall be subject to the approval of the Superintendent/Manager in all respects, including, but not limited to, format, breakdown of items presented and verifying records. All computations made by the Contractor and all billing and billing procedures shall be done in conformance with the following procedures:

- a) Payment shall be made in accordance with the prices for the applicable service (during the applicable Contract year) as they appear on the Pricing Sheet(s), as the same may be adjusted from time to time, minus any deductions for services not performed and/or any liquidated damages to which the invoice may be subject and/or any adjustments as may be required pursuant to increases and decreases in areas or frequencies, if applicable. All Work must be completed within the time frames specified or as designated by the Superintendent/Manager.
- b) The Contractor shall submit to the Manager by the fifth day of the month following the month of commencement of the Contract and on or by the fifth day of each month thereafter (including the month following the termination or expiration of this Contract) a complete and correct invoice setting forth the amount due to the Contractor for the preceding calendar month which amount shall be 1/12 of the Lump Sum Contract Price for the contract year in which billed services were rendered accompanied by such information as may be required by the Manager for verification and other work as order by the Manager and less any liquidated damages that the Manager may deem necessary. All Net Cost Work, Extra Work for overtime labor, and Directed Subcontractor Work shall be paid on a monthly basis under separate invoicing. The invoice must show the Contractor's Federal Tax Identification Number. Payment will be made within thirty (30) days of PATH verification of the invoice.
- c) No certificate, payment, acceptance of any Work or any other act or omission of any representative of PATH shall operate to release the Contractor from any obligation under or upon this Contract, or to estop PATH from showing at any time that such certificate, payment, acceptance, act or omission was incorrect or

to preclude PATH from recovering any monies paid in excess of those lawfully due and any damage sustained by PATH.

- d) In the event an audit of received invoices should indicate that the correct sum due the Contractor for the relevant billing period is less than the amount actually paid by PATH, the Contractor shall pay to PATH the difference promptly upon receipt of PATH's statement thereof. PATH may, however, in its discretion elect to deduct said sum or sums from any subsequent monthly payments payable to the Contractor hereunder.

"Final Payment", as the term is used throughout this Contract, shall mean the final payment made for services rendered in the last month of the Base Term or extended term. However should this Contract be terminated for any reason prior to the last month of the Base Term or extended term, then Final Payment shall be the payment made for services rendered in the month during which such termination becomes effective. The Contractor's acceptance of Final Payment shall act as a full and complete release to PATH of all claims of and of all liability to the Contractor for all things done or furnished in connection with the Contract and for every act and neglect of PATH and others relating to or arising out of the Contract, including claims arising out of breach of contract and claims based on claims of third persons. No payment, however, final or otherwise shall operate to release the Contractor from any obligations in connection with this Contract.

4. Price Adjustment

For each year following the first year of the Base Term and for any Option Period that is applicable to this Contract and is exercised hereunder. (excluding the 120 day Extension Period as described in the paragraph entitled "Duration" in Part III, hereof) the Port Authority shall adjust the amounts payable to the Contractor utilizing the Consumer Price Index for all Urban Consumers; Series Id: CUURA101SA0L2; Not Seasonally Adjusted; New York-Northern New Jersey-Long Island, NY-NJ-CT-PA area; all items less shelter: 1982-1984=100, published by the Bureau of Labor Statistics of the United States Department of Labor (hereinafter called the "Price Index").

For the second Contract year, the Price Index shall be determined for the months of September 2008 and September 2009. The amounts payable to the Contractor in the first year of the Contract shall be multiplied by a fraction the numerator of which is the Price Index for September 2009 and the denominator of which is the Price Index for September 2008. The resulting product shall be the amounts payable to the Contractor in the second year of the Contract.

For the third Contract year, the Price Index shall be determined for the months of September 2009 and September 2010. The amounts payable to the Contractor in the second year of the Contract shall be multiplied by a fraction the numerator of which is the Price Index for September 2010 and the denominator of which is the Price Index for September 2009. The resulting product shall be the amounts payable to the Contractor in the third year of the Contract.

For the fourth Contract year, the Price Index shall be determined for the months of September 2010 and September 2011. The amounts payable to the Contractor in the third

year of the Contract shall be multiplied by a fraction the numerator of which is the Price Index for September 2011 and the denominator of which is the Price Index for September 2010. The resulting product shall be the amounts payable to the Contractor in the fourth year of the Contract.

For the fifth Contract year, the Price Index shall be determined for the months of September 2011 and September 2012. The amounts payable to the Contractor in the fourth year of the Contract shall be multiplied by a fraction the numerator of which is the Price Index for September 2012 and the denominator of which is the Price Index for September 2011. The resulting product shall be the amounts payable to the Contractor in the fifth year of the Contract.

For the first year in the option period of the Contract, the Price Index shall be determined for the months of September 2012 and September 2013. The amounts payable to the Contractor in the final year of the Base Term shall be multiplied by a fraction the numerator of which is the Price Index for September 2013 and the denominator of which is the Price Index for September 2012. The resulting product shall be the amounts payable to the Contractor in the first year of the option period.

For the second year in the option period of the Contract, the Price Index shall be determined for the months of September 2013 and September 2014. The amounts payable to the Contractor in the final year of the 1st Option Period shall be multiplied by a fraction the numerator of which is the Price Index for September 2014 and the denominator of which is the Price Index for September 2013. The resulting product shall be the amounts payable to the Contractor in the second year of the option period.

For the third year in the option period of the Contract, the Price Index shall be determined for the months of September 2014 and September 2015. The amounts payable to the Contractor in the final year of the 1st Option Period shall be multiplied by a fraction the numerator of which is the Price Index for September 2015 and the denominator of which is the Price Index for September 2014. The resulting product shall be the amounts payable to the Contractor in the third year of the option period.

In the event of a change in the basis for the computation of the said Index or the discontinuance of its publication, such other appropriate index shall be substituted as may be agreed upon by the Authority and the Contractor as properly reflecting changes in the value of the current United States money in a manner similar to that established in the said Price Index. In the event of the failure of the parties to so agree, the PATH may select and use such index, as it seems appropriate. Notwithstanding the provisions of this section, in no event shall any annual adjustment hereunder, be greater than three (3%) per annum.

If after an adjustment referred to in this Section, the Index used for computing such adjustment shall be changed or adjusted then the amounts payable to the Contractor for that period shall be recomputed. If such recompilation results in a smaller increase in the amount payable to such period then after notification of the change or adjustment, the

recomputed amounts shall be in effect and upon demand the Contractor shall refund to the PATH excess amounts theretofore paid by PATH for such period.

5. Liquidated Damages

- a) The Contractor's obligations for the performance and completion of the Work within the time or times provided for in this Contract are of the essence of this Contract. In the event that the Contractor fails to satisfactorily perform all or any part of the Work required hereunder in accordance with the requirements set forth in the Specifications (as the same may be modified in accordance with provisions set forth elsewhere herein) then, inasmuch as the damage and loss to PATH for such failure to perform includes items of loss whose amount will be incapable or very difficult of accurate estimation, the damages for such failure to perform shall be liquidated as follows:

Failure to perform annual and random tests for drugs/intoxicants

If the Contractor fails to perform the annual and random tests as specified in Contract Specifications, PART V, Section 10, "Contractor's Personnel," as hereinafter provided, damages shall be assessed in the amount of \$200 for each employee per day per scheduled test.

Failure to perform any services in the Specification, including staffing levels by qualified personnel

In the event that during any monthly period the Contractor fails to perform all or any part of the Services as specified in Contract Specifications as the same may, as hereinafter provided, be revised, satisfactorily or at the frequencies set forth herein, the compensation payable by PATH to the Contractor for said monthly period shall be reduced by an amount equal to the product obtained by multiplying 200% of the estimated number of hours per task of the hourly charge per person per day for the applicable service for the item of work the Contractor fails to perform or unsatisfactorily performs the operation.

Failure to perform within required time

If the Contractor fails to perform all or any part of the Services as specified in Contract Specifications as the same may, as hereinafter provided, be revised, within the time required herein damages shall be assessed in the amount of \$200 per day or part thereof until the work is performed unless delay is not due to the fault of the Contractor, or any subcontractor or supplier.

Failure to supply a cell phone, beeper and/or radio

If the Contractor fails to supply a working cell phone, beeper and/or radio to the workers as required to provided in the Specifications, then the amount payable to the Contractor under this Contract shall be reduced by \$50 per day for each day, or part thereof, that the Contractor fails to provide the required Service. Response time for answering a cell

phone, beeper and/or radio call is fifteen (15) minutes, twenty-four (24) hours per day, seven (7) days per week.

Failure to provide any information other than wage and supplemental benefits

In the event that, for any reason, the Contractor fails to maintain or provide or have available when required or requested by the Port Authority or fails to submit any documentation, reports, State and/or Federal Certifications or records as required, the amount payable by the PATH to the Contractor hereunder shall be reduced by an amount equal to \$50 per day multiplied by the number of days or major fractions thereof the Contractor fails to maintain or provide any documentation, reports or records, said amount or amounts to be deducted from any sums due and owing from the Port Authority to the Contractor hereunder as the Port Authority shall determine from time to time in its sole discretion. Define administrative tasks.

Failure to provide information re: Wages and Supplemental Benefits

In the event the Contractor fails to provide the information as required in the section hereunder entitled, "Wages and Supplemental Benefits", then the monthly installment payable hereunder shall be reduced by \$100 for each day the Contractor fails to provide said information.

Failure to wear uniform and/or personal safety equipment

In the event that the Contractor's employee fails to comply with the uniform and/or personal safety equipment requirements as set forth herein, then the amount payable hereunder shall be reduced by an amount equal to \$50 per violation, multiplied by the number of days or major fractions thereof that the Contractor employees fail to comply with the uniform and/or identification requirements.

- b) The Superintendent shall determine whether the Contractor has performed in a satisfactory manner and his/her determination shall be final, binding and conclusive upon the Contractor.
- c) Failure of the Superintendent or PATH to impose liquidated damages shall not be deemed PATH acceptance of unsatisfactory performance or a failure to perform on the part of the Contractor.

6. Insurance

The Contractor shall take out, maintain, and pay the premiums on Commercial General Liability Insurance, including but not limited to premises-operations, products-completed operations, independent contractors coverage, with contractual liability, including coverage within 50 feet of railroad property, covering the obligations assumed by the Contractor under this Contract and, if vehicles are to be used to carry out the performance of this Contract, then the Contractor shall also take out, maintain, and pay the premiums on Automobile Liability Insurance covering owned, non-owned, and hired autos in the following minimum limits:

Commercial General Liability Insurance - \$5 million combined single limit per occurrence for bodily injury and property damage liability.

Automobile Liability Insurance - \$2 million combined single limit per accident for bodily injury and property damage liability.

In addition, the liability policy (ies) shall name PATH as additional insured, including but not limited to premise-operations, products-completed operations on the Commercial General Liability Policy. Moreover, the Commercial General Liability Policy shall not contain any provisions for exclusions from liability other than provisions for exclusion from liability forming part of the most up to date ISO form or its equivalent unendorsed Commercial General Liability Policy. The liability policy (ies) and certificate of insurance shall contain cross-liability language providing severability of interests so that coverage will respond as if separate policies were in force for each insured. These insurance requirements shall be in effect for the duration of the contract to include any warrantee/guarantee period.

The certificate of insurance and liability policy (ies) must contain the following endorsement for the above liability coverages:

“The insurer(s) shall not, without obtaining the express advance written permission from the General Counsel of the Port Authority, raise any defense involving in any way the jurisdiction of the Tribunal over the person of PATH, the immunity of PATH, its Commissioners, Directors, officers, agents or employees, the governmental nature of PATH, or the provisions of any statutes respecting suits against PATH.”

The Contractor shall also take out, maintain, and pay premiums on Workers' Compensation Insurance in accordance with the requirements of law in the state(s) where work will take place, including Employers' Liability and Coverage B - Federal Employer's Liability Act, in limits of not less than \$1 million per each accident.

Each policy above shall contain a provision that the policy may not be canceled, terminated, or modified without thirty (30) days' prior written notice to PATH, Attn: Facility Contract Administrator, at the location where the work will take place and to the General Manager, Risk Management.

PATH may at any time during the term of this agreement change or modify the limits and coverages of insurance. Should the modification or change result in an additional premium, The General Manager, Risk Management, for the Port Authority may consider such cost as an out-of-pocket expense.

Within five (5) days after the award of this agreement or contract and prior to the start of work, the Contractor must submit an original certificate of insurance, to PATH, Facility Contract Administrator, at the location where the work will take place. This certificate of

insurance MUST show evidence of the above insurance policy (ies), stating the agreement/contract number prior to the start of work. The General Manager, Risk Management, must approve the certificate(s) of insurance before any work can begin. Upon request by PATH, the Contractor shall furnish to the General Manager, Risk Management, a certified copy of each policy, including the premiums.

If at any time the above liability insurance should be canceled, terminated, or modified so that the insurance is not in effect as above required, then, if the Manager shall so direct, the Contractor shall suspend performance of the contract at the premises. If the contract is so suspended, no extension of time shall be due on account thereof. If the contract is not suspended (whether or not because of omission of the Manager to order suspension), then PATH may, at its option, obtain insurance affording coverage equal to the above required, the cost of such insurance to be payable by the Contractor to PATH.

Renewal certificates of insurance or policies shall be delivered to the Facility Contract Administrator, PATH at least fifteen (15) days prior to the expiration date of each expiring policy. The General Manager, Risk Management, must approve the renewal certificate(s) of insurance before work can resume on the facility. If at any time any of the certificates or policies shall become unsatisfactory to the Port Authority, the Contractor shall promptly obtain a new and satisfactory certificate and policy.

The requirements for insurance procured by the Contractor shall not in any way be construed as a limitation on the nature or extent of the contractual obligations assumed by the Contractor under this contract. The insurance requirements are not a representation by PATH as to the adequacy of the insurance to protect the Contractor against the obligations imposed on them by law or by this or any other Contract. [CITS#329IN]

7. Increase and Decrease in Areas or Frequencies

The Superintendent shall have the right, at any time and from time to time in his/her sole discretion, to increase and/or decrease the frequencies of all or any part of the services required hereunder or to add areas not described herein in the Specifications or remove areas or parts of areas, which are hereunder so described. In the event the Superintendent decides to change any frequencies or areas such change shall be by written notice not less than seven (7) days, said changes to be effective upon the date specified in said notice.

In the event of an increase or decrease in areas or frequencies, the Contractor's compensation will be adjusted to reflect such change in areas or frequencies utilizing the applicable Unit Price for such services (for the applicable Contract year) as set forth on the Pricing Sheet(s).

Where no specific Unit Price has been quoted for the type of services to be increased or decreased, the Superintendent shall have the right to negotiate the compensation to reflect such change whether increase or decrease in areas or frequencies calculated from the quantities of Services to be performed, which in the opinion of the Manager.

are necessary to complete the work, by multiplying a unit of measure determined for the services, by the negotiated rate. In the event of a decrease, the Contractor shall not be entitled to compensation for Work not performed.

No such changes in areas or frequencies will be implemented which results in a total increase or decrease in compensation that is greater than 50% of the Total Estimated Contract Price for the Base Term or, if changes are to be implemented during an Option Period, 50% for that Option Period.

Any increases in frequencies or areas shall not constitute Extra Work and, as such, shall not be limited by the Extra Work provisions of this Contract.

8. Extra Work

Extra Work, as defined in this Contract, is any planned or emergency non-routine work performed by the Contractor that is specifically required by the Director/General Manager, Deputy General Manager or Superintendent to be performed outside of regular working hours. The total amount of Extra Work under this Contract will be limited to no more than 6% of the Total Contract Bid Price. The Director/General Manager shall have authority for each individual request to order Extra Work requests in amounts not to exceed \$25,000 and \$10,000, respectively. The authority to order Extra Work in these amounts is not delegable. If Extra Work is performed, the Contractor's compensation shall be increased by the following amounts and such amounts only:

1. An amount equal to the sum of the actual net cost in money of the labor required for such Extra Work, plus five percent (5%) of such actual cost.

The Contractor shall notify the Superintendent in writing of any changes in:

- a) terms and conditions of any and all collective bargaining agreements required to be submitted with his bid; and
 - b) the wage rates of all the Contractor's personnel employed at the site, whether or not covered by such collective bargaining agreements.
2. The Director/General Manager, Deputy General Manager and Superintendent, acting personally, shall have the authority, on behalf of PATH to agree in writing with the Contractor upon compensation for Extra Work in lieu of the compensation for which provision is heretofore made in this numbered clause.

*** NOTE: ALL EXTRA WORK (SCHEDULED OR UNSCHEDULED OR EMERGENCY) AS DETERMINED BY THE SUPERINTENDENT MUST BE SUPERVISED BY THE MAINTENANCE ADMINISTRATOR. HOWEVER, WITH THE PRIOR APPROVAL OF THE SUPERINTENDENT, THE SUPERVISION MAY BE PROVIDED BY THE CHIEF WATCH ENGINEER. ALL COMPENSATION FOR SUPERVISION BY THE MAINTENANCE ADMINISTRATOR OR CHIEF WATCH ENGINEER WILL BE PROVIDED AT THE EXTRA WORK RATE CALCULATED FOR THE CHIEF WATCH**

ENGINEER IN ACCORDANCE WITH THIS CLAUSE OF THE CONTRACT "EXTRA WORK AND COMPENSATION FOR EXTRA WORK".

3. As used in this numbered clause and in this clause only:
- a) The term "Labor", means foremen, laborers, mechanics and other employees below the rank of Maintenance Administrator, directly employed at the work site, whether employed by the Contractor or by the subcontractors subject to the Superintendent's authority to determine what employees of any category are "required" for "Extra Work" and as to the portion of their time allotted to Extra Work.
 - b) The term "Cost of Labor", means the proper proportion of wages actually paid to and received by such employees, plus a proper proportion of (a) the supplemental benefits which the employer actually pays pursuant to contractual obligation upon the basis of such wages, (b) taxes, exclusive of SUI and FUI, actually paid by the employer pursuant to law upon the basis of such wages and (c) and overtime premiums if applicable.
 - c) The term "Materials", means temporary and consumable materials as well as permanent materials.
 - d) The term "Cost of Materials", means the price (including taxes actually paid by the Contractor pursuant to law upon the basis of such materials) for which such materials are sold for cash by the manufacturers or producers thereof, or by regular dealers therein, whether or not such materials are purchased directly from the manufacturer, producer or dealer (or if the Contractor is the manufacturer or producer thereof, the reasonable cost to the Contractor of the manufacture and production), plus the reasonable cost of delivering such materials to the work site in the event that the price paid to the manufacturer, producer or dealer does not include delivery and in case of temporary materials, less their salvage value, if any.

In computing the Contractor's Compensation insofar as it is based upon Extra Work, no consideration shall be given to any items of cost or expense not expressly set forth above, it being expressly agreed that the costs and percentage additions herein before provided cover items of cost and expense to the Contractor of any type whatsoever, including administration, overhead, supervision, taxes (other than those enumerated above), profit to the Contractor and small tools. Whenever any Extra Work is performed, the Contractor upon submission of the invoice to the Superintendent for payment shall include the following:

- 1. Completed work orders showing the name and number of the worker employed on such work, the number of hours which he is employed thereon, the character of his duties.
- 2. Wages to be paid and amounts of state and federal taxes based on such wages, and assessments which the employer actually pays pursuant to contractual obligation upon the basis of such wages;
- 3. Amount and character of the materials furnished or equipment rented for such work,

from whom they were purchased or rented and the amount to be paid therefore;

This information is for the purpose of enabling the Superintendent to determine the amounts to be paid by PATH under this numbered clause; and accordingly, they shall constitute a condition precedent to such payment and the failure of the Contractor to furnish them with respect to any work shall constitute a conclusive and binding determination on his part that such work is not Extra Work and shall constitute a waiver by the Contractor of claims for payment for such work. In the event that the contractor and the Director/General Manager, Deputy General manager or Superintendent have agreed to lump sum or other compensation for Extra Work in lieu of compensation as provided in Paragraph 2 of this clause such information shall not be required subsequent to the date on which such agreement is reached.

9. Performance of Extra Work

The Provisions of this Contract relating generally to Work and its performance shall apply without exception to any Extra Work required and to the performance thereof. Moreover, the provisions of the Specifications relating generally to the Work and its performance shall also apply to any Extra Work required and to the performance thereof, except to the extent that a written order in connection with any particular item of Extra Work may expressly provide otherwise.

10. Net Cost Items and Compensation for Net Cost Items

Net Cost Items shall mean any items of materials, supplies, tools (excluding small tools) and equipment required to carry out the provisions of this Contract.

Items of Net Cost shall include, but not be limited to, items used for routine and non-routine operations and maintenance of building systems and shop repair equipment or other work required by this contract.

Items of Net Cost shall not include radios, beepers, battery chargers or uniforms or any other items, which are specifically required to be provided at the Contractor's expense.

Compensation for materials, supplies, tools and equipment procured under this clause shall be the net cost which the contractor pays for such items plus five percent (5%) of such net cost.

The Contractor shall obtain the written approval of the Superintendent or his designee prior to making any expenditures hereunder for any item of materials, supplies, tools and equipment pursuant to this clause if an individual purchase or accumulated expenditures to the same vendor on a given day will exceed \$500,000.

The terms "materials", "supplies", "tools" (other than small tools) and "equipment" shall mean temporary and consumable materials, supplies and equipment, as well as permanent materials, supplies, tools and equipment and "net cost of materials, supplies, tools and equipment" shall mean the price, including any taxes actually paid by the Contractor pursuant to law upon the basis of such materials, supplies, tools and equipment are sold for cash by the manufacturers or

producers thereof, or by regular dealers therein, whether or not such materials, supplies, tools and equipment are purchased directly from the manufacturer, producer or dealer (or if the Contractor is the manufacture and production), plus the reasonable cost of delivering such materials, supplies, tools and equipment to the Work site in the event that the price paid to the manufacturer, producer or dealer does not include delivery and in case of temporary materials, supplies, tools and equipment less their salvage value, if any.

The rental for equipment, whether owned by the contractor or subcontractors or rented from others and notwithstanding the actual price of any rental or actual costs associated with such equipment, shall be computed by the Superintendent or his designee on the basis of the following:

1. (a) Hourly rental for those items of equipment listed in the "Rental Rate Blue Book" (published by Dataquest, a company of the Dunn and Bradstreet Corporation, 1290 Ridder Park Drive, San Jose, California 95131-23398), (hereinafter called the "Blue Book") shall be 100% of the applicable rates as listed in said book, reduced to an hourly basis (see formula below). The edition of this publication to be used shall be the one in effect on the date of the actual rental of the equipment. The "Estimated Operating Cost Per Hour" as set forth for such item of equipment in the Blue Book shall be added to the rental for each hour that such equipment is actually engaged in performing Extra Work (i.e. standby rental time). None of the provisions of the Blue Book shall be deemed referred to or included in this Contract except as specifically set forth in this section.
 - (b) If no listing of rental rate and/or hourly operating cost for the item of equipment is in the Blue Book, the Superintendent shall determine the reasonable rate of rental and/or hourly operating cost of the particular item of equipment by such means as he finds appropriate.
- (2) When utilizing the rental rates appearing in the Blue Book, the Superintendent shall determine the applicable rate and the hourly rental determined therefrom by applying the following criteria:
 - (a) The rate to be applied for an item of equipment used on a particular Extra Work order shall be the daily, weekly or monthly rates from the forgoing publication based on the total number of work days or portions thereof that a particular item of equipment or substitute item of equipment is at the construction site for use by the Contractor for use by the Contractor or subcontractors whether under this Contract or any other contract with PATH. Included within this construction site whether such idleness results from acts of omissions of the Contractor, Authority or third persons, breakdowns in the equipment or any other cause, (ii) work days of which the equipment is removed from the construction site solely intervening between the removal of equipment from the construction site for repairs and the delivery to the number of work days in the period for each rate shall be as indicated below:

Three work days or less

- daily rate

More than three work days but

Not more than fifteen work days - weekly rate

More than fifteen days - monthly rate

The pro rata portion with one-hour bears to the applicable rate shall be determined in accordance with following formula:

Hourly rate based on Daily rental 1/8 of daily rental from Blue Book

Hourly rate based on Weekly rental 1/40 of weekly rental from

- (b) The rental rate shall be multiplied by the applicable regional adjustment factor shown for such item of equipment in the Blue Book. The adjustment factor shall not apply to the hourly operation cost.
 - (c) If the Superintendent should determine that the nature of size of the equipment used by the Contractor in connection with the Extra Work is larger or more elaborate as the case may be, than the size or nature of the minimum equipment determined by the Superintendent to be suitable for the Extra Work, the reasonable rental will not be based upon the equipment used by the Contractor but will be based on the smallest or least elaborate equipment determined by the Superintendent to have been suitable for the Performance of the Extra Work.
- (3) In the case of equipment utilized only for Extra Work: (a) in addition to amounts determined as provided in subparagraphs (1) and (2) above, there will be added to the rental as computed above the reasonable cost of transporting such equipment to and from the construction site, and (b) notwithstanding the number of hours during which such equipment is utilized, the minimum rental therefor will be for a period of eight hours.

In computing the Contractor's compensation insofar as it is based upon Extra Work, and notwithstanding any provision to the contrary appearing in the Blue Book, no consideration shall be given to any items of cost or costs and percentage additions herein before provided cover items of cost and expense to the Contractor of any type whatsoever, including administration, over head, taxes (other than those enumerated above), clean-up consumables including gas and oil, drafting (including printing or other reproduction), coordination, field measurements, maintenance, repairs insurance, profit to the Contract and small tools.

Whenever any Extra Work is performed (whether by the Contractor directly or through a subcontractor), the Contractor shall, at the end of each day, submit to the Superintendent (a) daily time slips showing the name and number of each workman employed on such Work, the number of hours which he is employed thereon, the character of his duties, and the wages to be paid to him, (b) a memorandum showing the state and federal taxes based on such wages, and vacation allowances and union contractual obligation upon the basis of such wages (c) a memorandum showing the amount and character of the materials furnished for such and (d) a memorandum of equipment used in the performance of such Work, together with the rental claimed therefor. Such memoranda and time slips are for the purpose of enabling the Superintendent to determine the amounts to be paid by PATH under this numbered clause, and accordingly, they shall constitute a condition precedent to such payment and the failure of the

Contractor to furnish them with respect to any work shall constitute a conclusive and binding determination on his part that such work is not Extra Work and shall constitute a waiver by the Contractor of claims for payment for such work

11. Subcontractors and Compensation for Subcontractors

If ordered by the Director/General Manager, Deputy General Manager or Superintendent in writing, that certain work, whether required by this Contract (i.e., at the time of acceptance of the Contractor's proposal) of additional thereto, cannot be performed by the Contractor, then in such event such work shall be performed by a sub-contractor. The Contractor shall solicit proposals for such work and must demonstrate to the satisfaction of the Director/General Manager or his designee that he has obtained at least three (3) bids from qualified subcontractors approved by the Director/General Manager or his designee. In the event that the Contractor is unable to obtain three (3) bids the Contractor shall so notify the Director/General Manager, or his designee and demonstrate to the satisfaction of the Director/General Manager that three (3) bids are not obtainable. No proposals for such work will be solicited and no such work will be performed except pursuant to written orders from the Director/General Manager, Deputy General Manager or Superintendent expressly and unmistakably indicating his intention to have the work described therein performed by a sub-contractor, and approving the subcontract and the compensation to be paid to such subcontractor. The Authority to approve performance of work by a sub-contractor is not delegable.

Compensation for the work required by this clause shall be the cost to the Contractor as approved by the Director/General Manager, Deputy General Manager and/or Superintendent plus five percent (5%) of such cost. Supervision outside of the Maintenance Administrator's regular working hours would be compensated as Extra Work.

**PART IV – SIGNATURE SHEET, NAME AND RESIDENCE OF PRINCIPALS SHEET
AND PRICING SHEET(S), TABLE OF CONTENTS**

1. SIGNATURE SHEET2
2. NAME AND RESIDENCE OF PRINCIPALS SHEET3
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COMMISSION EXERCISES AUTHORITY
NO. 2005-01
STATE OF NEW YORK
BOARD OF

10-23-06A11:30 RCVD

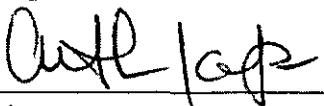
PART IV - SIGNATURE SHEET, NAME AND RESIDENCE OF PRINCIPALS SHEET AND PRICING SHEET(S)

1. SIGNATURE SHEET

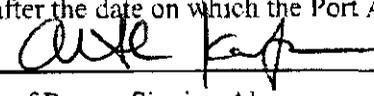
OFFER: The undersigned offers and agrees to furnish to the Port Authority of New York and New Jersey the services and/or materials in compliance with all terms, conditions, specifications and addenda of the Contract. Signature also certifies understanding and compliance with the certification requirements of the standard terms and conditions as contained in the Standard Contract Terms and Conditions. This offer shall be irrevocable for 90 days after the date on which the Port Authority opens this bid.

ONLY THE COMPANY NAMED AS THE BIDDING ENTITY BELOW WILL RECEIVE PAYMENT. THIS MUST BE THE SAME NAMED COMPANY AS INDICATED ON THE COVER SHEET

Bidding Entity ISS TMC SERVICES, INC
Bidder's Address 81 DORSA AVE
City, State, Zip LIVINGSTON, NJ
Telephone No. 973.740.0032 FAX 973.740.9261
Email AKALPIN@TMCSTMC EIN# 1 Ex. 1/4 1

SIGNATURE  Date 10-23-08
Print Name and Title ARTHUR KALPIN VICE PRESIDENT

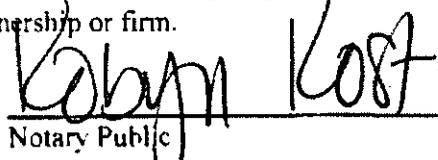
Note: This offer shall be irrevocable for 90 days after the date on which the Port Authority opens this bid.


Signature of Person Signing Above

ACKNOWLEDGEMENT:
STATE OF: New Jersey
COUNTY OF: Essex

On this 22 day of Oct, 2008, personally came before me, ARTHUR KALPIN, who duly sworn by me, did depose that (s)he has knowledge of the matters herein stated and they are in all respects true and that (s)he has been authorized to execute the foregoing offer and statement of irrevocability on behalf of said corporation, partnership or firm.

ROBYN ROST
NOTARY PUBLIC, STATE OF NEW JERSEY
NO. 2372977
COMMISSION EXPIRES APRIL 28, 2013


Notary Public

NOTE: If a joint venture is allowed, duplicate this Signature Sheet and have each party to the joint venture sign separately and affix to the back of this Signature Sheet.

Bidder attention is called to the certification requirements contained in the Standard Contract Terms and Conditions, Part III. Indicate below if a signed, explanatory statement in connection with this section is attached hereto.

Date certified by the Port Authority as an SBE or MWBE: _____ (indicate which one).

2. NAME AND RESIDENCE OF PRINCIPALS SHEET

Names and Residence of Principals of Bidder. If general or limited partner, or individual, so indicate.

| NAME | TITLE | ADDRESS OF RESIDENCE (Do not give business address) |
|---------------|-------|--|
| DARREL GLOVER | C.E.O | |

| | | |
|-------------------|-----------|--|
| Phillip LARRIO JR | PRESIDENT | |
|-------------------|-----------|--|

| | | |
|----------------|-------|--|
| CHRISTY ROYMER | C.F.O | |
|----------------|-------|--|

| | | |
|--------------|---------------------|--|
| DANALD CLARK | ASSISTANT C.F.O. | |
|--------------|---------------------|--|

10-23-08 11:30 RCVD

3. PRICING SHEET(S)

Entry of Prices

- a. The prices quoted shall be written in figures, in ink, preferably black where required in the spaces provided on the Pricing Sheet(s) attached hereto and made a part hereof.
- b. All Bidders are asked to ensure that all charges quoted for similar operations in the Contract are consistent.
- c. Prices must be submitted for each Item required on the Pricing Sheet(s).
- d. All Bidders are asked to ensure that all figures are inserted as required, and that all computations made have been verified for accuracy. The Bidder is advised that the Port Authority may verify only that Bid or those Bids that it deems appropriate and may not check each and every Bid submitted for computational errors. In the event that errors in computation are made by the Bidder, the Port Authority reserves the right to correct any error and to recompute the Total Estimated Contract Price, as required, based upon the applicable Unit Price inserted by the Bidder, which amount shall govern in all cases.
- e. In the event that a Bidder quotes an amount in the Total Estimated column but omits to quote a Unit Price for that amount in the space provided, the Port Authority reserves the right to compute and insert the appropriate Unit Price
- f. The Total Estimated Contract Price is solely for the purpose of facilitating the comparisons of Bids. Compensation shall be in accordance with the section of this Contract entitled "Payment".
- g. The Contractor shall insert, if applicable to this Contract and indicated as required, the percentage increase or decrease of charges for the years following the first year of this Contract. The percentage increase or decrease for the years following the first year, shall be applied to the Estimated Annual Contract Price of the preceding year, to obtain the Estimated Annual Contract Price for each following year.
- h. The Total Estimated Five Year Contract Price shall be obtained by adding the Lump Sum Contract Prices for the first year of the Contract for both Journal Square Transportation Center and Harrison Car Maintenance Facility And multiplying the result by five.

Pricing Sheet - FIVE-YEAR CONTRACT

Journal Square Transportation Center

- A. For the first year (12 months) of this Contract, compensation called the "Lump Sum for the First Year - Journal Square Transportation Center:

\$ 1,945,332.00

Harrison Car Maintenance Facility

- B. For the first year (12 months) of this Contract, compensation called the "Lump Sum for the First Year - Harrison Car Maintenance Facility:

\$ 2,045,713.00

Combined Journal Square Transportation Center and Harrison Car Maintenance Facility

- C. TOTAL ESTIMATED FIVE (5) YEAR CONTRACT PRICE (add (A+B) Times result by 5): \$ 19,955,225.00

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CALCULATION OF HOURLY RATE FORM

INSTRUCTIONS FOR CALCULATION OF HOURLY RATE FORM

Attached are the "Calculation of Hourly Rate" forms for the enumerated positions under this Contract, for the first year of the Base Term. The Bidder shall use these forms in support of the Wages and Supplemental Benefits Clause required under this Contract.

CALCULATION OF HOURLY RATE

Chief Watch Engineer

Year 1

Journal Square Transportation Center

| | | |
|---|---------------------------------|----------------------|
| <u>ITEM #1</u> | \$ <u>37.38</u> | item 1 |
| <u>DIRECT WAGES</u> | | |
| <u>NUMBER OF EMPLOYEES</u> | <u>1</u> | |
| | | |
| <u>ITEM #2</u> | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | <u>NUMBER OF</u> |
| (ITEMS NOT REQUIRED BY LAW) | | <u>DAYS PROVIDED</u> |
| | | |
| HOLIDAY ALLOWANCE | \$ <u>0</u> | <u>11</u> |
| VACATION ALLOWANCE | \$ <u>0.87</u> | <u>25</u> |
| SICK TIME ALLOWANCE | \$ <u>1.92</u> | <u>7</u> |
| HEALTH | \$ <u>6.35</u> | |
| PENSION | \$ <u>3.55</u> | |
| WELFARE ANNUITY/TRAINING/S.A. | \$ <u>7.52</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ <u>1.65</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | <u>05.24</u> | |
| | <u>27.24</u> <u>OK</u> | |
| SUB TOTAL (ITEMS #1 & 2) | \$ <u>27.24</u> | sub total 1&2 |
| | | |
| <u>ITEM #3</u> | | |
| <u>TAXES AND INSURANCE</u> | | |
| (ITEM REQUIRED BY LAW) | | |
| | | |
| F.I.C.A. | \$ <u>2.86</u> | |
| N.J.S.U.I. | \$ <u>.32</u> | |
| F.U.I. | \$ <u>.08</u> | |
| WORKERS' COMPENSATION | \$ <u>1.87</u> | |
| GENERAL LIABILITY INSURANCE | \$ <u>1.12</u> | |
| DISABILITY INSURANCE | \$ <u>0</u> | |
| OTHER TAXES AND INSURANCE | \$ _____ | |
| SPECIFY _____ | | |
| | | |
| <u>ITEM #4</u> | | |
| <u>ADDITIONAL COMPONENTS</u> | | |
| (IF APPLICABLE) | | |
| VEHICLE/MTCE/FUEL | \$ _____ | |
| UNIFORMS & WORK BOATS | \$ <u>.28</u> | |
| EQUIPMENT | \$ _____ | |
| MATERIALS | \$ _____ | |
| SUPPLIES | \$ _____ | |
| RELIEF | \$ 10.79 <u>1.65</u> | |
| ROLL CALL | \$ _____ | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ <u>.04</u> | |
| SPECIFY <u>DRUG TEST</u> | | |
| | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ <u>2.57</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ <u>76.03</u> | |
| BIDDER NAME: <u>ISS TMC SERVICES</u> | BID NUMBER <u>16594</u> | |

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CALCULATION OF HOURLY RATE

Chief Watch Engineer

Year 1

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Harrison Car Maintenance Facility

| | | |
|---|-----------------|-------------------------|
| ITEM #1 | \$ <u>36.03</u> | item 1 |
| <u>DIRECT WAGES</u> | | |
| NUMBER OF EMPLOYEES | <u>1</u> | |
| | | |
| ITEM #2 | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | |
| (ITEMS NOT REQUIRED BY LAW) | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ <u>0</u> | <u>12</u> |
| VACATION ALLOWANCE | \$ <u>0.61</u> | <u>25</u> |
| SICK TIME ALLOWANCE | \$ <u>1.85</u> | <u>7</u> |
| HEALTH | \$ <u>4.35</u> | |
| PENSION | \$ <u>3.55</u> | |
| WELFARE <u>ANNUITY / TRAIN / S.A.</u> | \$ <u>6.75</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ <u>1.65</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ <u>62.79</u> | sub total 1&2 |
| | | |
| ITEM #3 | | |
| <u>TAXES AND INSURANCE</u> | | |
| (ITEM REQUIRED BY LAW) | | |
| F.I.C.A. | \$ <u>2.76</u> | |
| N.J.S.U.I. | \$ <u>0.32</u> | |
| F.U.I. | \$ <u>0.08</u> | |
| WORKERS' COMPENSATION | \$ <u>1.80</u> | |
| GENERAL LIABILITY INSURANCE | \$ <u>1.09</u> | |
| DISABILITY INSURANCE | \$ _____ | |
| OTHER TAXES AND INSURANCE | \$ _____ | |
| SPECIFY _____ | | |
| | | |
| ITEM #4 | | |
| <u>ADDITIONAL COMPONENTS</u> | | |
| (IF APPLICABLE) | | |
| VEHICLE/MTCE/FUEL | \$ _____ | |
| UNIFORMS & <u>WORK BOOTS</u> | \$ <u>0.20</u> | |
| EQUIPMENT | \$ _____ | |
| MATERIALS | \$ _____ | |
| SUPPLIES | \$ _____ | |
| RELIEF | \$ _____ | |
| ROLL CALL | \$ _____ | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ <u>0.04</u> | |
| SPECIFY <u>DRUG TEST</u> | | |
| | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ <u>2.42</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ <u>71.57</u> | |

BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

CALCULATION OF HOURLY RATE

Watch Engineer

Year 1

Journal Square Transportation Center

ITEM #1

DIRECT WAGES

NUMBER OF EMPLOYEES

\$ 36.40 ^{rate} item 1
4

ITEM #2

SUPPLEMENTAL BENEFITS

(ITEMS NOT REQUIRED BY LAW)

NUMBER OF
DAYS PROVIDED

HOLIDAY ALLOWANCE

VACATION ALLOWANCE

SICK TIME ALLOWANCE

HEALTH

PENSION

WELFARE ANNUITY/TRAIN/S.A.

OTHER SUPPLEMENTAL BENEFITS

SPECIFY PERSONAL TIME

| | | |
|----|--|---|
| \$ | <u>0</u> | <u>12</u> |
| \$ | <u>4.99</u> 6.01 ^{rate} | <u>19</u> 25 ^{rate} |
| \$ | <u>1.84</u> ^{rate} | <u>7</u> |
| \$ | <u>6.35</u> | |
| \$ | <u>3.55</u> | |
| \$ | <u>off</u> 6.29 ^{rate} <u>7.52</u> | |
| \$ | <u>1.58</u> | <u>6</u> |

SUB TOTAL (ITEMS #1 & 2)

\$ 62.23 ~~61.76~~ ^{rate} sub total 1&2

ITEM #3

TAXES AND INSURANCE

(ITEM REQUIRED BY LAW)

F.I.C.A.

N.J.S.U.I.

F.U.I.

WORKERS' COMPENSATION

GENERAL LIABILITY INSURANCE

DISABILITY INSURANCE

OTHER TAXES AND INSURANCE

SPECIFY _____

| | |
|----|-------------|
| \$ | <u>2.78</u> |
| \$ | <u>.32</u> |
| \$ | <u>.08</u> |
| \$ | <u>1.82</u> |
| \$ | <u>1.09</u> |
| \$ | _____ |
| \$ | _____ |

ITEM #4

ADDITIONAL COMPONENTS

(IF APPLICABLE)

VEHICLE/MTCE/FUEL

UNIFORMS & WORK BOOTS

EQUIPMENT

MATERIALS

SUPPLIES

RELIEF

ROLL CALL

OTHER COMPONENTS NOT SPECIFIED ABOVE

SPECIFY DRUG TEST

| | |
|----|------------|
| \$ | _____ |
| \$ | <u>.28</u> |
| \$ | _____ |
| \$ | _____ |
| \$ | _____ |
| \$ | _____ |
| \$ | <u>.04</u> |

GENERAL ADMINISTRATIVE COSTS, OVERHEAD
AND PROFIT

\$ 2.40

TOTAL (ITEMS #1, 2, 3 AND 4)

\$ 71.04

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BIDDER NAME: TSS TMC SERVICES BID NUMBER: 16594

10-23-08A11:38 RCVD

CALCULATION OF HOURLY RATE

Watch Engineer

Year 1

Harrison Car Maintenance Facility

| | | |
|---|-----------------|-------------------------|
| ITEM #1 | \$ <u>35.59</u> | item 1 |
| <u>DIRECT WAGES</u> | | |
| NUMBER OF EMPLOYEES | <u>3</u> | |
| | | |
| ITEM #2 | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | |
| (ITEMS NOT REQUIRED BY LAW) | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ <u>0</u> | <u>12</u> |
| VACATION ALLOWANCE | \$ <u>5.13</u> | <u>20</u> |
| SICK TIME ALLOWANCE | \$ <u>1.80</u> | <u>7</u> |
| HEALTH | \$ <u>6.35</u> | |
| PENSION | \$ <u>3.55</u> | |
| WELFARE <u>QUANTITY/TRAIN/S.A.</u> | \$ <u>6.75</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ <u>1.54</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ <u>60.71</u> | sub total 1&2 |
| | | |
| ITEM #3 | | |
| <u>TAXES AND INSURANCE</u> | | |
| (ITEM REQUIRED BY LAW) | | |
| F.I.C.A. | \$ <u>2.72</u> | |
| N.J.S.U.I. | \$ <u>.32</u> | |
| F.U.I. | \$ <u>.08</u> | |
| WORKERS' COMPENSATION | \$ <u>1.78</u> | |
| GENERAL LIABILITY INSURANCE | \$ <u>1.07</u> | |
| DISABILITY INSURANCE | \$ _____ | |
| OTHER TAXES AND INSURANCE | \$ _____ | |
| SPECIFY _____ | | |
| | | |
| ITEM #4 | | |
| <u>ADDITIONAL COMPONENTS</u> | | |
| (IF APPLICABLE) | | |
| VEHICLE/MTCE/FUEL | \$ <u>.28</u> | |
| UNIFORMS & <u>WORK BOOTS</u> | \$ _____ | |
| EQUIPMENT | \$ _____ | |
| MATERIALS | \$ _____ | |
| SUPPLIES | \$ _____ | |
| RELIEF | \$ _____ | |
| ROLL CALL | \$ _____ | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ <u>.04</u> | |
| SPECIFY <u>DRUG TEST</u> | | |
| | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ <u>2.35</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ <u>69.35</u> | |

BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

CALCULATION OF HOURLY RATE

Maintenance Mechanic

Year 1

Journal Square Transportation Center

| | | | |
|---|----|--------------|-------------------------|
| ITEM #1 | \$ | <u>36.40</u> | item 1 |
| <u>DIRECT WAGES</u> | | | |
| NUMBER OF EMPLOYEES | | <u>2</u> | |
| | | | |
| ITEM #2 | | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | | |
| (ITEMS NOT REQUIRED BY LAW) | | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ | <u>0</u> | <u>11</u> |
| VACATION ALLOWANCE | \$ | <u>4.99</u> | <u>19</u> |
| SICK TIME ALLOWANCE | \$ | <u>1.84</u> | <u>7</u> |
| HEALTH | \$ | <u>6.35</u> | |
| PENSION | \$ | <u>3.55</u> | |
| WELFARE ANNUITY/TRAIN/S.A | \$ | <u>7.52</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ | <u>1.58</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ | <u>62.23</u> | sub total 1&2 |
| | | | |
| ITEM #3 | | | |
| <u>TAXES AND INSURANCE</u> | | | |
| (ITEM REQUIRED BY LAW) | | | |
| F.I.C.A. | \$ | <u>2.78</u> | |
| N.J.S.U.I. | \$ | <u>1.32</u> | |
| F.U.I. | \$ | <u>1.08</u> | |
| WORKERS' COMPENSATION | \$ | <u>1.82</u> | |
| GENERAL LIABILITY INSURANCE | \$ | <u>1.09</u> | |
| DISABILITY INSURANCE | \$ | | |
| OTHER TAXES AND INSURANCE | \$ | | |
| SPECIFY _____ | | | |
| | | | |
| ITEM #4 | | | |
| <u>ADDITIONAL COMPONENTS</u> | | | |
| (IF APPLICABLE) | | | |
| VEHICLE/MTCE/FUEL | \$ | | |
| UNIFORMS | \$ | <u>.28</u> | |
| EQUIPMENT | \$ | | |
| MATERIALS | \$ | | |
| SUPPLIES | \$ | | |
| RELIEF | \$ | | |
| ROLL CALL | \$ | | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ | <u>.04</u> | |
| SPECIFY _____ | | | |
| | | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ | <u>2.40</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ | <u>71.04</u> | |

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BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

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CALCULATION OF HOURLY RATE

Maintenance Mechanic

Year: 1

Harrison Car Maintenance Facility

| | | |
|---|-----------------|-------------------------|
| ITEM #1 | \$ <u>35.07</u> | item 1 |
| <u>DIRECT WAGES</u> | | |
| NUMBER OF EMPLOYEES | <u>2</u> | |
| | | |
| ITEM #2 | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | |
| (ITEMS NOT REQUIRED BY LAW) | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ <u>0</u> | <u>12</u> |
| VACATION ALLOWANCE | \$ <u>3.72</u> | <u>15</u> |
| SICK TIME ALLOWANCE | \$ <u>1.74</u> | <u>7</u> |
| HEALTH | \$ <u>6.35</u> | |
| PENSION | \$ <u>3.55</u> | |
| WELFARE <u>ANNUITY / TRAIN K.T.</u> | \$ <u>6.75</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ <u>1.49</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ <u>58.67</u> | sub total 1&2 |
| | | |
| ITEM #3 | | |
| <u>TAXES AND INSURANCE</u> | | |
| (ITEM REQUIRED BY LAW) | | |
| F.I.C.A. | \$ <u>2.68</u> | |
| N.J.S.U.I. | \$ <u>.32</u> | |
| F.U.I. | \$ <u>.08</u> | |
| WORKERS' COMPENSATION | \$ <u>1.75</u> | |
| GENERAL LIABILITY INSURANCE | \$ <u>1.63</u> | |
| DISABILITY INSURANCE | \$ _____ | |
| OTHER TAXES AND INSURANCE | \$ _____ | |
| SPECIFY _____ | | |
| | | |
| ITEM #4 | | |
| <u>ADDITIONAL COMPONENTS</u> | | |
| (IF APPLICABLE) | | |
| VEHICLE/MTCE/FUEL | \$ _____ | |
| UNIFORMS | \$ <u>.28</u> | |
| EQUIPMENT | \$ _____ | |
| MATERIALS | \$ _____ | |
| SUPPLIES | \$ _____ | |
| RELIEF | \$ _____ | |
| ROLL CALL | \$ _____ | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ <u>.09</u> | |
| SPECIFY <u>DRUG TEST</u> | | |
| | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ <u>2.27</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ <u>67.14</u> | |

BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

CALCULATION OF HOURLY RATE

Electrician

Year 1

Journal Square Transportation Center

| | | | |
|---|----|--------------|-------------------------|
| ITEM #1 | \$ | <u>36.73</u> | item 1 |
| <u>DIRECT WAGES</u> | | | |
| NUMBER OF EMPLOYEES | | <u>2</u> | |
| | | | |
| ITEM #2 | | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | | |
| (ITEMS NOT REQUIRED BY LAW) | | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ | <u>0</u> | <u>11</u> |
| VACATION ALLOWANCE | \$ | <u>4.45</u> | <u>17</u> |
| SICK TIME ALLOWANCE | \$ | <u>1.83</u> | <u>7</u> |
| HEALTH | \$ | <u>6.35</u> | |
| PENSION | \$ | <u>3.55</u> | |
| WELFARE <u>QUANTITY/TRAIN/S.A.</u> | \$ | <u>7.52</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ | <u>1.57</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ | <u>62.00</u> | sub total 1&2 |
| | | | |
| ITEM #3 | | | |
| <u>TAXES AND INSURANCE</u> | | | |
| (ITEM REQUIRED BY LAW) | | | |
| F.I.C.A. | \$ | <u>2.81</u> | |
| N.J.S.U.I. | \$ | <u>.32</u> | |
| F.U.I. | \$ | <u>.08</u> | |
| WORKERS' COMPENSATION | \$ | <u>1.84</u> | |
| GENERAL LIABILITY INSURANCE | \$ | <u>1.10</u> | |
| DISABILITY INSURANCE | \$ | | |
| OTHER TAXES AND INSURANCE | \$ | | |
| SPECIFY _____ | | | |
| | | | |
| ITEM #4 | | | |
| <u>ADDITIONAL COMPONENTS</u> | | | |
| (IF APPLICABLE) | | | |
| VEHICLE/MTCE/FUEL | \$ | | |
| UNIFORMS | \$ | <u>.28</u> | |
| EQUIPMENT | \$ | | |
| MATERIALS | \$ | | |
| SUPPLIES | \$ | | |
| RELIEF | \$ | | |
| ROLL CALL | \$ | | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ | <u>1.09</u> | |
| SPECIFY <u>DRUG TEST</u> | | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ | <u>2.40</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ | <u>70.87</u> | |

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BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

CALCULATION OF HOURLY RATE

Electrician

Year 1

Harrison Car Maintenance Facility

| | | |
|---|-----------------|-------------------------|
| ITEM #1 | \$ <u>35.38</u> | item 1 |
| <u>DIRECT WAGES</u> | | |
| NUMBER OF EMPLOYEES | <u>2</u> | |
| | | |
| ITEM #2 | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | |
| (ITEMS NOT REQUIRED BY LAW) | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ <u>0</u> | <u>12</u> |
| VACATION ALLOWANCE | \$ <u>2.45</u> | <u>10</u> |
| SICK TIME ALLOWANCE | \$ <u>1.71</u> | <u>7</u> |
| HEALTH | \$ <u>6.35</u> | |
| PENSION | \$ <u>3.55</u> | |
| WELFARE | \$ <u>6.75</u> | |
| OTHER SUPPLEMENTAL BENEFITS | \$ <u>1.47</u> | <u>6</u> |
| SPECIFY <u>PERSONAL TIME</u> | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ <u>57.66</u> | sub total 1&2 |
| | | |
| ITEM #3 | | |
| <u>TAXES AND INSURANCE</u> | | |
| (ITEM REQUIRED BY LAW) | | |
| F.I.C.A. | \$ <u>2.71</u> | |
| N.J.S.U.I. | \$ <u>.32</u> | |
| F.U.I. | \$ <u>.08</u> | |
| WORKERS' COMPENSATION | \$ <u>1.77</u> | |
| GENERAL LIABILITY INSURANCE | \$ <u>1.06</u> | |
| DISABILITY INSURANCE | \$ _____ | |
| OTHER TAXES AND INSURANCE | \$ _____ | |
| SPECIFY _____ | | |
| | | |
| ITEM #4 | | |
| <u>ADDITIONAL COMPONENTS</u> | | |
| (IF APPLICABLE) | | |
| VEHICLE/MTCE/FUEL | \$ _____ | |
| UNIFORMS | \$ <u>.28</u> | |
| EQUIPMENT | \$ _____ | |
| MATERIALS | \$ _____ | |
| SUPPLIES | \$ _____ | |
| RELIEF | \$ _____ | |
| ROLL CALL | \$ _____ | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$ <u>.04</u> | |
| SPECIFY <u>DRUG TEST</u> | | |
| | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ <u>2.24</u> | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ <u>66.66</u> | |

BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

CALCULATION OF HOURLY RATE

Helper Maintenance Mechanic

Year 1

Journal Square Transportation Center

| | | |
|---|----------|-------------------------|
| ITEM #1 | \$ 27.33 | item 1 |
| <u>DIRECT WAGES</u> | | |
| NUMBER OF EMPLOYEES | 1 | |
| | | |
| ITEM #2 | | |
| <u>SUPPLEMENTAL BENEFITS</u> | | |
| (ITEMS NOT REQUIRED BY LAW) | | NUMBER OF DAYS PROVIDED |
| HOLIDAY ALLOWANCE | \$ 0 | 10 <i>HR</i> |
| VACATION ALLOWANCE | \$ 2.08 | 10 |
| SICK TIME ALLOWANCE | \$ 1.46 | 7 |
| HEALTH | \$ 6.35 | |
| PENSION | \$ 3.55 | |
| WELFARE | \$ 7.52 | |
| OTHER SUPPLEMENTAL BENEFITS | \$ 7.25 | 6 |
| SPECIFY <u>PERSONAL</u> | | |
| SUB TOTAL (ITEMS #1 & 2) | \$ 49.54 | sub total 1&2 |
| | | |
| ITEM #3 | | |
| <u>TAXES AND INSURANCE</u> | | |
| (ITEM REQUIRED BY LAW) | | |
| F.I.C.A. | \$ 2.09 | |
| N.J.S.U.I. | \$.32 | |
| F.U.I. | \$.08 | |
| WORKERS' COMPENSATION | \$ 1.37 | |
| GENERAL LIABILITY INSURANCE | \$.82 | |
| DISABILITY INSURANCE | \$ | |
| OTHER TAXES AND INSURANCE | \$ | |
| SPECIFY _____ | | |
| | | |
| ITEM #4 | | |
| <u>ADDITIONAL COMPONENTS</u> | | |
| (IF APPLICABLE) | | |
| VEHICLE/MTCE/FUEL | \$ | |
| UNIFORMS | \$.28 | |
| EQUIPMENT | \$ | |
| MATERIALS | \$ | |
| SUPPLIES | \$ | |
| RELIEF | \$ | |
| ROLL CALL | \$ | |
| OTHER COMPONENTS NOT SPECIFIED ABOVE | \$.24 | |
| SPECIFY <u>DRUG TEST</u> | | |
| | | |
| GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT | \$ 1.90 | |
| TOTAL (ITEMS #1, 2, 3 AND 4) | \$ 56.44 | |

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BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

10-23-08A11:37

CALCULATION OF HOURLY RATE

Machine Mechanic (HVAC) & MACHINE MECHANIC
Year 1

Harrison Car Maintenance Facility

ITEM #1

DIRECT WAGES

NUMBER OF EMPLOYEES

\$ 36.03 item 1

4

ITEM #2

SUPPLEMENTAL BENEFITS

(ITEMS NOT REQUIRED BY LAW)

NUMBER OF
DAYS PROVIDED

HOLIDAY ALLOWANCE

\$ 0 12

VACATION ALLOWANCE

~~OH~~ \$ 3.26 13

SICK TIME ALLOWANCE

\$ 1.76 7

HEALTH

\$ 6.35

PENSION

\$ 3.55

WELFARE ANNUITY/TRAIN/S.A.

\$ 6.75

OTHER SUPPLEMENTAL BENEFITS

\$ 1.51 6

SPECIFY PERSONAL TIME

SUB TOTAL (ITEMS #1 & 2)

\$ 59.21 sub total 1&2

ITEM #3

TAXES AND INSURANCE

(ITEM REQUIRED BY LAW)

F.I.C.A.

\$ 2.76

N.J.S.U.I.

\$.32

F.U.I.

\$.08

WORKERS' COMPENSATION

\$ 1.80

GENERAL LIABILITY INSURANCE

\$ 1.08

DISABILITY INSURANCE

\$ _____

OTHER TAXES AND INSURANCE

\$ _____

SPECIFY _____

ITEM #4

ADDITIONAL COMPONENTS

(IF APPLICABLE)

VEHICLE/MTCE/FUEL

\$ _____

UNIFORMS

\$.28

EQUIPMENT

\$ _____

MATERIALS

\$ _____

SUPPLIES

\$ _____

RELIEF

\$ _____

ROLL CALL

\$ _____

OTHER COMPONENTS NOT SPECIFIED ABOVE

\$.04

SPECIFY DRUG TEST

GENERAL ADMINISTRATIVE COSTS, OVERHEAD
AND PROFIT

\$ 2.30

TOTAL (ITEMS #1, 2, 3 AND 4)

\$ 67.87

BIDDER NAME:

ISS TMC SERVICES

BID NUMBER

16594

CALCULATION OF HOURLY RATE

Maintenance Clerk

Year 1

Journal Square Transportation Center

ITEM #1 \$ 24.75 item 1
DIRECT WAGES
NUMBER OF EMPLOYEES 1

ITEM #2 NUMBER OF
SUPPLEMENTAL BENEFITS DAYS PROVIDED
(ITEMS NOT REQUIRED BY LAW)

HOLIDAY ALLOWANCE \$ 0 11
VACATION ALLOWANCE \$.37 3
SICK TIME ALLOWANCE \$ 0
HEALTH \$ 3.00
PENSION \$ 0
WELFARE \$ _____
OTHER SUPPLEMENTAL BENEFITS \$ _____
SPECIFY _____

SUB TOTAL (ITEMS #1 & 2) \$ 28.12 sub total 1&2

ITEM #3
TAXES AND INSURANCE
(ITEM REQUIRED BY LAW)

F.I.C.A. \$ 1.89
N.J.S.U.I. \$.32
F.U.I. \$.08
WORKERS' COMPENSATION \$ 1.24
GENERAL LIABILITY INSURANCE \$.74
DISABILITY INSURANCE \$ _____
OTHER TAXES AND INSURANCE \$ _____
SPECIFY _____

ITEM #4
ADDITIONAL COMPONENTS
(IF APPLICABLE)

VEHICLE/MTCE/FUEL \$ _____
UNIFORMS \$ _____
EQUIPMENT \$ _____
MATERIALS \$ _____
SUPPLIES \$ _____
RELIEF \$ _____
ROLL CALL \$ _____
OTHER COMPONENTS NOT SPECIFIED ABOVE \$ _____
SPECIFY _____

GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT \$ 1.13

TOTAL (ITEMS #1, 2, 3 AND 4) \$ 33.42

BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

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CALCULATION OF HOURLY RATE

Maintenance Clerk

Year 1

Harrison Car Maintenance Facility

ITEM #1 \$ 25.16 item 1
DIRECT WAGES
NUMBER OF EMPLOYEES 1

ITEM #2
SUPPLEMENTAL BENEFITS
(NUMBER OF DAYS PROVIDED)
HOLIDAY ALLOWANCE \$ 0 12
VACATION ALLOWANCE \$.38 3
SICK TIME ALLOWANCE \$ 0
HEALTH \$ 3.00
PENSION \$
WELFARE \$
OTHER SUPPLEMENTAL BENEFITS \$
SPECIFY

SUB TOTAL (ITEMS #1 & 2) \$ 28.54 sub total 1&2

ITEM #3
TAXES AND INSURANCE
(ITEM REQUIRED BY LAW)

F.I.C.A. \$ 1.92
N.J.S.U.I. \$.32
F.U.I. \$.08
WORKERS' COMPENSATION \$
GENERAL LIABILITY INSURANCE \$
DISABILITY INSURANCE \$
OTHER TAXES AND INSURANCE \$
SPECIFY

ITEM #4
ADDITIONAL COMPONENTS
(IF APPLICABLE)

VEHICLE/MTCE/FUEL \$
UNIFORMS \$
EQUIPMENT \$
MATERIALS \$
SUPPLIES \$
RELIEF \$
ROLL CALL \$
OTHER COMPONENTS NOT SPECIFIED ABOVE \$
SPECIFY

GENERAL ADMINISTRATIVE COSTS, OVERHEAD AND PROFIT \$ 1.08

TOTAL (ITEMS #1, 2, 3 AND 4) \$ 31.94

BIDDER NAME: ISS TMC SERVICES BID NUMBER 16594

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PART V – SPECIFICATIONS

1. SPECIFIC DEFINITIONS

To avoid undue repetition, the following terms, as used in this Contract, shall be construed as follows:

“Facilities” shall mean:

- a) The term “Harrison Car Maintenance Facility” or “HCMF” shall mean the construction and structures all of which are part of the HCMF complex. The Harrison Car Maintenance facility is located at the terminus of Cape May Street, Harrison, New Jersey. The principal structure is a 207,000 square foot Main Repair Shop. Other structures within the boundaries of the site include a multi-floor Control Tower, also known as “Tomlinson Tower” and a guardhouse at the entrance to the facility to permit controlled access. On site parking accommodations are provided for Contractors. Other minor structures on the site include a hazardous materials storage building, a storage site for welding gas, a drop-off/pick-up platform and a storage building located along the north perimeter of the site.
- b) The term “Journal Square Transportation Center” or “JSTC” shall mean the construction and structures all of which are part of the JSTC complex. The Journal Square Transportation Center is located at 1 PATH Plaza, Jersey City, New Jersey, 07306. It is bordered on the North by Sip Avenue, bordered on the South by Pavonia Avenue, bordered on the East by Summit Avenue and bordered on the West by Kennedy Blvd. The principal structure is a ten-story office tower with approximately 10,600 square feet per floor. Other structures within the boundaries include a bus terminal with four bays, public concourse and plaza occupied by commercial tenants and a two level 600 car-parking garage. Additionally, ancillary facilities include an Emergency Police Garage, an elliptical area called the Kiss n' Ride Ramp and BullRing, a VIP Parking Lot and sidewalk areas within the property line. One (1) parking spot is reserved for the Contractor truck, but no other parking is available (i.e. employee parking).
- c) The term “regular working hours” under this Contract shall be Monday through Friday, exclusive of holidays, as listed in the section of this Contract entitled “Holidays” the hours between 6:00 AM to 2:30 PM for the HCMF and shall be the hours between 7:30 AM to 4:00 PM for the JSTC.
- d) The term “overtime hours” under this Contract are hours other than the “regular hours” and shall include all hours worked on Saturday, Sunday and Holidays.
- e) The term “Deputy Director” shall mean the Deputy Director of PATH for the time being or his successor in duties, acting personally or through his authorized representative for the purpose of this Contract.

Note: No persons other than those specifically identified herein shall be deemed a representative of the Vice President, Director/General Manager, Deputy Director or Superintendent except to the extent specifically authorized in an express written notice to the Contractor signed by the Vice President, Director/General Manager, Deputy Director or Superintendent, unless the Contractor is so notified in writing signed by the President of PATH.

- f) The term "worker" shall mean any employee of the Contractor or of a subcontractor who performs personal labor or personal services at the work site.
- g) The term "Notice" shall mean a written notice.
- h) Whenever they refer to the work in its performance "directed", "required", "permitted", "ordered", "designated", "prescribed" and works of similar import shall mean directed, required, permitted, ordered, designated, or prescribed by the Superintendent; and "approved", "acceptable", "satisfactory" and words of similar import shall mean approved by or acceptable or satisfactory to the Superintendent; "necessary", "reasonable", "proper", "correct", and words of similar import shall mean necessary, reasonable, proper or correct in the judgment of the Superintendent. Whenever "including", "such as" or words of similar import are used, the specific things thereafter enumerated shall not limit the generality of the things preceding such words.
- i) The term "Rosters of Routine" shall mean the procedures, frequencies and methods of planning and coordinating routine maintenance for HVAC, plumbing, sprinklers and fire protection systems, industrial shop equipment, structural repairs, automatic temperature controls, mechanical and electrical operations.
- j) The term "Frequencies of Routine" shall mean the times a task or routine is performed and/or repeated.
- k) The term "Work Order Tracking System" or "WOTS" shall include the Roster of Routine and Frequencies of Routine annexed hereto.
- l) The term "Non-routine Work" shall typically mean work required by the Superintendent or his designee that is unscheduled or emergency maintenance or repairs.
- m) The term "Small Tools" as used herein shall mean any tool or piece of equipment whose unit price is less than \$100.00.

2. WORK REQUIRED BY THE SPECIFICATION

The Specifications is the work required under this Contract, the undersigned, (herein called "The Contractor") hereby agrees to provide the trades people, administrators and clerks identified in the clause of the Specifications entitled "Staffing Levels" as well as the supervisory personnel identified in the clause of the Specifications entitled "Management and Supervision" to operate and maintain the building systems, equipment, facilities and structures of the JSTC and HCMF (hereinafter called "the Facilities") in

accordance with these Specifications and as directed by the Superintendent, and to furnish all the necessary or proper therefore or incidental thereto, all in strict accordance with the contract Specifications and any future changes therein, the Contractor further agrees to assume and perform all other duties and obligations imposed upon him by this Contract.

The full Scope of Work is set forth in detail in Appendix A and B "Scopes of Work" and Appendix C and D "Roster of Routines" contained in Part V "Specifications" outline (but are not limited to) the work, which may be required hereunder as well as procedures, which are applicable thereto. PATH agrees to pay to the Contractor and the Contractor agrees to accept from PATH in full consideration for the performance by the Contractor of his duties and obligations under this Contract and the whole thereof the amounts specified in the clause of the Contract entitled under Part III, Section 3. "Payments."

3. WAGES AND SUPPLEMENTAL BENEFITS

A. Definitions:

- 1) "Employee" shall mean any person, employed by the Contractor or its subcontractors, to perform any of the Services required under this Contract, excluding those holding the positions of Chief Watch Engineer, Watch Engineers, Maintenance Electricians, Maintenance Mechanics, HVAC/Maintenance Mechanic, Machine Mechanic and other administrative personnel performing such duties exclusively.
- 2) "Wages" shall mean monetary amounts paid by the Contractor or its subcontractor(s) to its employees for straight time (non-overtime) hours worked, including shift differentials, if any. Employee incentive plans are not included as wages.
- 3) "Supplemental Benefits" shall mean the cost to the Contractor (and its subcontractors) of all remuneration for employment provided to employees in any medium other than cash, but including payments which are not Wages within the meaning of this numbered clause, including, but not limited to: fair and reasonable vacation allowances, sick leave, holiday, jury duty, birthday, medical checkup, welfare, retirement and non-occupational disability benefits, health, life, accident, or other such types of insurance. Any reimbursements to employees for expenses, and payroll taxes, employee incentive plans and any other benefits required by law are not includable as supplemental benefits. Without limiting the foregoing, under no circumstances shall the cost of providing uniforms or footwear, cleaning of uniforms, training and transportation to and from post, or any other items incidental to rendering the Services covered under this Contract, be allowed or included as Supplemental Benefits.
- 4) "Non-overtime Hours Worked" shall mean the straight-time hours actually worked by Employees under this contract and shall include the time an employee spends at roll call, whether or not paid; however, meal periods and relief time shall be excluded, whether or not paid.

5) "Contract Year", as used in this Agreement shall mean the twelve (12) month period commencing on the Commencement Date of the Contract and each successive twelve (12) month period thereafter or such portion of a twelve (12) month period that the Contract is in effect if the Contract should expire or be terminated on other than the last day of such twelve (12) month period.

B. Supplemental Benefits including but not limited to holiday, sick time and vacation time, may accrue in one year but may not be paid to the following Contract year.

For example: Assume an employee begins working for the Contractor on January 1, 2007. Although the employee accrues 10 vacation days, he/she cannot take them until he/she has worked for the Contractor for one year. The employee finally takes his/her vacation in February 2008, the employee's vacation benefits accrued in 2007 but were never paid. Therefore, the Contractor may not include the employee's vacation benefits in the computation of Minimum Hourly Wage and Supplemental Benefits until it is actually paid. At that time, the vacation time will be credited retroactively and applied in the computation of benefits for the year 2007.

C. Contractor in the performance of the Services herein, shall pay or provide (and shall cause any subcontractor to pay or provide) not less than the Minimum Hourly Wage and fair and reasonable Supplemental Benefits for each employee in each category as set forth below.

Journal Square Transportation Center – Minimum Hourly Wage.

| <u>Position/Direct Wage</u> | <u>Effective 10/1/08</u> | <u>Effective 9/1/09</u> |
|--|------------------------------|-----------------------------|
| Chief Watch Engineer | \$37.38 | \$39.00 |
| Watch Engineer | \$36.40 | \$37.98 |
| Maintenance Mechanic | \$36.07 | \$37.59 |
| Electrician | \$36.73 | \$38.33 |
| Helper Maintenance Mechanic | \$27.33 | \$28.57 |
| Plus Supplemental Benefits as follows for the above positions | | |
| Minimum Hourly Supplemental Benefits | \$17.15 | \$17.60 |
| Maintenance Clerk (Minimum Hourly Wage/ Minimum Hourly Benefits) | \$24.75/ \$3.00 | \$25.49/ \$3.00 |
| Maintenance Administrator (Minimum Hourly Wage/ Minimum Hourly Benefits) | \$39.96/ \$18.62 | \$41.16/ \$19.18 |

Harrison Car Maintenance Facility – Minimum Hourly Wage.

| <u>Position/Direct Wage</u> | <u>Effective 10/1/08</u> | <u>Effective 9/1/09</u> |
|--|------------------------------|-----------------------------|
| Chief Watch Engineer | \$36.03 | \$37.48 |
| Watch Engineer | \$35.07 | \$36.48 |
| Machine Mechanic | \$36.03 | \$37.48 |
| Maintenance Mechanic (HVAC) | \$35.07 | \$36.48 |
| Electrician | \$35.38 | \$36.80 |
| <i>Plus Supplemental Benefits as follows for the above positions</i> | | |
| Minimum Hourly Supplemental Benefits | \$16.40 | \$17.10 |
| Maintenance Clerk (Minimum Hourly Wage/ Minimum Hourly Benefits) | \$25.16/ \$3.00 | \$25.91/ \$3.00 |
| Maintenance Administrator (Minimum Hourly Wage/ Minimum Hourly Benefits) | \$38.53/ \$17.63/ | \$39.96/ \$18.16 |

- D.** In the event that the compensation payable under this Contract is subject to adjustment from time to time as provided in the paragraph entitled "Price Adjustment" in the Contract Specific Terms and Conditions, then the Minimum Hourly Wage for employees holding the positions of Chief Engineer, Watch Engineers, Maintenance Electricians, Maintenance Mechanics, HVAC/Maintenance Mechanic, Machine Mechanic and other administrative personnel performing such duties exclusively, shall each be adjusted by multiplying said amounts by the same percentage amount which was used to adjust the compensation payable under this Contract, as the same may have been further adjusted.
- E.** Nothing contained herein shall be construed to prevent the Contractor or any subcontractor from paying any individual employee hourly Wages higher than the Minimum Hourly Wage hereinbefore described. It is understood that the Contractor's obligation to pay or provide the Minimum Hourly Wage per job title, set forth above, allows the Contractor to pay or provide some of its employees hourly Wages that are higher than the minimum and nothing herein shall be construed to constitute a representation or guarantee by the Port Authority that the Contractor or its subcontractors can obtain employees for the amounts herein before described.
- F.** Contractors (and its subcontractors) should expect to be audited with respect to Wages and Supplemental Benefits paid to Employees under this Contract. All Wage and Supplemental Benefit requirements under this Contract will be strictly enforced. Failure on the part of the Contractor (and its subcontractors) to comply with any of the requirements under this Contract, including but not limited to the timely submission of payroll certifications may be deemed a substantial breach of

this Contract giving rise to the rights and remedies enumerated hereafter in the paragraph entitled "Rights and Remedies of the Port Authority" in the Standard Contract Terms and Conditions, as well as any other rights and remedies the Port Authority would have in the absence of such enumeration and failure to comply with each of these requirements will be taken into consideration prior to award of future contracts with the Port Authority.

- G. The Contractor shall maintain records in accordance with the requirements set forth in the paragraph entitled "Records and Reports" in the Standard Contract Terms and Conditions.

For records related to Wages and Supplemental Benefits, the Contractor is also required to provide such records and books of account in spreadsheet or other electronic format if available in electronic format and the Port Authority requests that such records and books of account be provided in electronic format.

Upon request by the Port Authority, the Contractor (and its subcontractors) shall have 15 business days to provide such payroll records and books of account unless the Port Authority indicates, in writing, that such records and books of account may be provided at a later date.

In the event the Contractor fails to provide the required records, or if the Port Authority determines that the records and books of account provided for audit are incomplete, the Port Authority may, at its sole discretion, estimate wages, supplemental benefits and non-overtime hours worked in order to determine whether the Contractor (or its subcontractors) was in compliance with the wages and supplemental benefits provisions of this contract.

- H. Further, the Contractor shall submit (and shall cause its subcontractors to submit) to the Port Authority on the fifteenth day of the seventh month following the month in which the Commencement Date of this Contract falls and every six months thereafter, and the month following the month in which the termination date of this Contract falls, a certified statement signed by an executive officer of the Contractor (or its subcontractor) based upon the Contractor's (or subcontractors') payroll records showing straight time hours worked, total straight time Wages paid and Supplemental Benefits provided for each employee providing the Contractor's Services under the Contract for each month of the Contract during the six month period ending on the last day of the month preceding the date of submission of the said statement; together with such other detailed information as the Port Authority may request from time to time regarding Wages and Supplemental Benefits paid or provided by the Contractor or its subcontractor to employees engaged in providing the Contractor's Services under the Contract. Each certified statement shall, at a minimum, contain the level of detail specified in Exhibit I, attached hereto and made a part hereof.
- I. In the event that an audit of the Contractor's (or subcontractors) books and records or the aforesaid monthly statements submitted by the Contractor (or subcontractor) to the Port Authority should disclose that for any Contract Year, either the Contractor or a subcontractor has not paid at least the Minimum Hourly Wages set forth herein (including any adjustments, if provided for, reflecting changes in the Consumer Price Index or other indices or instruments as identified

by the Port Authority), the Contractor shall pay to the Contractor's employees who have not been paid the proper wages (or to the Port Authority for retention by the Port Authority until such time as the Contractor's employees are paid), or shall pay to the subcontractor's employees similarly affected or shall have the subcontractor so pay, at the option of the Port Authority, an amount (calculated for the Contractor or subcontractor which has not paid or provided the required amounts hereunder) equivalent to the product obtained by multiplying the difference between the Minimum Hourly Wages required hereunder and the Hourly Wages actually paid or provided by the number of non-overtime hours worked by all employees of the subject Contractor or subcontractor employed during such Contract year, calculated per Paragraph C position category (hereinafter referred to as the "Underpayment Amount"). The Port Authority may, in its discretion, elect to deduct the Underpayment Amount due from the Contractor in accordance with the provisions of this Section from any subsequent payment payable to the Contractor under this Contract plus an amount equal to any payroll and associated taxes which would have been paid on the Underpayment Amount from any subsequent payment payable to the Contractor under this Contract. The Authority shall have the same recovery rights if an audit demonstrates that the Contractor has failed to pay or provide reasonable Supplemental Benefits as required by this Contract.

- J. In addition to the underpayment payable by the Contractor, the Port Authority may deduct interest on the underpayment amount calculated at 19.2% annual interest from any subsequent payment(s) due to the Contractor under this Contract.
- K. If requested by the Port Authority, the Contractor shall submit to the Port Authority for approval, a plan for the Contractor's or subcontractors' return of the underpayment to each affected employee, including a deadline for compliance. In approving such a plan, the Authority may require the Contractor or a subcontractor to return the underpayment to the affected employees in cash and the Contractor or the subcontractor is responsible for any additional payroll taxes resulting from this payment.

4. IDENTIFICATION

PATM shall provide for a system of photographic identification and control of the Contractor's employees and those of his subcontractors, subject to the approval of the Superintendent or his designee. Each employee of the Contractor and those of his subcontractors shall prominently display an identification badge, which as a minimum shall contain the following information: the employee's name, recent photograph and signature of the employer. Updated photographic identifications must be issued with each and every extension of the Contract. Lost or stolen badges shall be immediately reported to the Superintendent or his designee. In addition, the Contractor shall insure that employees who no longer work at the Journal Square Transportation Center, Harrison Car Maintenance Facility or Consolidated Shop return their badges upon termination of employment with the Contractor.

5. ELECTRONIC SIGN IN-OUT SYSTEM

PATH employs an electronic hand reading device for the purpose of exactly ascertaining the time PATH employees and certain contractors enter and exit the system at the beginning and end of a tour of duty. This system serves the dual purpose of acting as a time keeping device and as a security measure. All workers will be given a system generated number and at a required time and place determined by PATH will be required to register an initial hand imprint into the system and thereafter follow the procedure at the beginning and end of each tour of duty.

6. CONTRACTOR'S GENERAL, RESPONSIBILITIES, OBLIGATIONS AND SERVICES

1. GENERAL

The Contractor shall perform services related to the operation and maintenance of certain facility systems and the administration of certain facility operation and maintenance services performed by others at both the Journal Square Transportation Center and the Harrison Car Maintenance Facility as more fully provided in these Specifications which include, but are not limited to the Rosters and Frequencies of Routines. All such services shall be effectuated by the Contractor in a safe, orderly and efficient manner. The Contractor shall apply customary and acceptable management techniques, so as to provide a safe and productive working environment at the Facility and to provide optimum public access, utilization, safety and convenience.

As directed by the Superintendent or his designee, the Contractor shall perform routine and non-routine maintenance activities as described in the APPENDIXIS following procedures outlined in the clause of the Specifications entitled "Work Order System". With the exception of PATH's requirement for a Watch Engineer to be on duty Monday through Sunday (24/7), maintenance activities identified in this contract are generally performed during regular working hours as such term is defined in the clause of the "Definitions".

From time to time, and at anytime, however the Superintendent or his designee may direct that these activities be performed at times which take into consideration the operating nature of the facility as a public transportation facility, office building and active (24/7) PATH railcar maintenance facility. The specific requirements for off-hour maintenance will be provided to the Contractor at the time of issuance of the work order.

The Contractor shall provide all labor, materials, tools and equipment, supervision and administration, as specified and as may be required for the operation and maintenance of the Facility in a manner acceptable to PATH.

The Contractor shall provide and maintain in good working condition a total of twelve (12) two-way radios: six (6) at the JSTC and six (6) at the HCMF. The radios shall be VHF frequency as manufactured by Motorola Corporation. The units must be suitable for the purpose and operated properly within the complex environment. One master Ni Cad Battery Charger shall be provided by the Contractor at each facility that is capable of charging six (6) radios simultaneously. Each radio will be provided with a minimum of two (2) batteries.

The Contractor shall instruct all his personnel in emergency operations and shall conduct and participate in periodic fire drills at each Facility as directed by the Superintendent. In addition, the Contractor shall designate personnel in each shift to act as a fire brigade or fire warden as appropriate. Such personnel shall be given special instruction, as directed by the Superintendent, in fire fighting procedures for their assigned facility. The Contractor shall also be responsible for the annual re-certification of facility staff in the use of fire fighting equipment. Compensation for the cost of such training will be included in the contractor's lump sum price. The time is hereby included as a part of a normal workday.

Included in the staffing at all times shall be two (2) maintenance mechanics and two (2) maintenance electricians who are asbestos O&M certified. The Contractor shall be responsible for the annual re-certification of facility staff in the required asbestos O&M certification. Compensation for the cost of such training and proper certifications will be included in the Contractor's lump sum price. However, time necessary for participation in such training will be borne by PATH. The time is hereby included as a part of a normal workday.

The Contractor shall continually instruct his personnel on proper practices and procedures to be followed while working at the facilities. The Contractor shall schedule weekly safety orientation meetings to be held each Friday during the term of the Contract as required by the Superintendent at no additional costs to PATH. A routine maintenance work order will be included in each facilities roster of routines to ensure compliance with this directive.

The Contractor shall assist PATH with its goal of providing assistance to its employees, tenants and visitors and maintaining a secure environment for the traveling public. The Contractor will provide suitably trained staff to perform the services specifically required herein and render assistance, information and general directions if necessary. Specific requirements for training are stipulated in the clause of the Contract entitled "Interpersonal Training".

The Contractor shall, at all times cooperate with the Superintendent, or his designee, who shall be advised immediately by the Contractor's personnel of any abnormal, unsafe, unusual or emergency condition at either of the Facilities.

The Contractor shall immediately inform the Superintendent upon discovery of any industrial equipment, mechanical, electrical, structural or plumbing breakdown, malfunction unsafe condition, damage, crack, break or other sign of disrepair of any

of the plumbing fixtures or associated water supply or drainage connections, doors, walls, ceilings, floors, furniture, glass, or any other part of or appurtenance at any Facility structure at which the Contractor is required to perform services under the Specifications. Immediately upon discovery of any such condition the Contractor shall place a sign or in the vicinity of the area, indicating it is "Out of Order" or "Under Repair"; such sign shall not be removed until the necessary repairs have been completed. Signs for this purpose may be furnished by the Superintendent, or if not, they shall be procured by the Contractor; the Contractor shall be compensated for the cost of materials involved in the procurement of such signs in accordance with the clause of the Contract entitled "Net Cost Items and Compensation for Net Cost Items". Upon direction of the Superintendent, the Contractor shall safeguard any area in which such condition is found to exist

The Contractor's services shall be performed in the areas of the Journal Square Transportation Center and Harrison Car Maintenance Facility as delineated in the clauses of the Specifications entitled "Facility Introduction" and:

- a. Other areas within the limits of the Facilities, including any fencing acting as perimeter boundaries to yard areas but including all perimeter locations, outfalls, roadways, parking and landscaped areas as may be necessary to perform work required and/or directed by the Superintendent.

The Contractor shall provide an occupational safety and health plan demonstrating compliance with Occupational Safety and Health Administration Rules and Regulations 49cfr1910 et seq (Plan). The Plan shall be submitted to the PATH Safety Supervisor for approval upon contract award. A compliance schedule shall be submitted to the PATH Safety Supervisor every six months thereafter.

The Contractor shall comply with all Port Authority and PATH policies, procedures and receive proper approval before he or his Directed Subcontractor commences any work on fire protection systems that must be temporarily taken out of service for work by the Directed Sub-contractor. The Contractor shall properly file a welding/burning permit at least twenty-four (24) hours in advance of such work with the Superintendent before commencement of same.

2. ANTICIPATED SERVICE CONTRACTS TO BE ENTERED INTO BY PATH FOR MAINTENANCE AND REPAIRS OF BUILDING SYSTEMS

In order to assure the effective and efficient operation, maintenance, inspection and repair of each of the Facility's building equipment, systems, sub-systems, and components, PATH may enter into various contracts for the performance of inspections, maintenance and repairs with service contractors. PATH may direct the Contractor to assist it in procuring the services of such service contractors. Upon the execution of any such service contract, the Contractor shall administer such as: inspection, evaluation and documentation of the service contractor's performance

and the administration of all information, e.g.: correspondence logs, etc., relating to such contracts and processing of Work Orders.

The following is a list of the various service contracts which PATH expects to (or has) entered into:

JOURNAL SQUARE TRANSPORTATION CENTER

- a. EMERGENCY GENERATOR
- b. AIR-CONDITIONING AND MONITORING EQUIPMENT
- c. BOILERS, CONTROLS AND WATER TREATMENT
- d. FIRE PROTECTION SYSTEMS
- e. HVAC CONTROLS

HARRISON CAR MAINTENANCE FACILITY

- a. SMOKE DETECTION AND FIRE ALARM SIGNALING AND COMMUNICATIONS SYSTEMS
- b. AIR-CONDITIONING EQUIPMENT
- c. CRANES, TURNTABLES AND CAR AND TRUCK HOISTS
- d. BOILERS, CONTROLS AND WATER TREATMENT
- e. AUTOMATED BUILDING MANAGEMENT SYSTEM
- f. FIRE PROTECTION/HALON EQUIPMENT
- g. SHOP EQUIPMENT
 - 1) Magnetic Particle Tester
 - 2) Westcode Digital Test Rack
 - 3) Wheel Borer/Vertical Turret Lathe

The Contractor's compensation for all work required by this section, including overhead, profit and administrative costs shall be deemed to have been included in the Contractor's lump sum price.

3. JOINT PATH AND CONTRACTOR ACTIVITIES

The Contractor shall continuously review with PATH the amount and type of work outstanding (often referred to as "backlog"). Based on this review, PATH may choose to exercise any of its rights to order Extra Work; to increase or decrease the frequency and/or methodology of the routines; and to adjust schedules and hours of work to meet dynamic and changing conditions as further delineated in the clauses of the contract entitled ("Authority of the Director/General Manager" and/or "Authority and Duties of the Superintendent").

The Contractor's compensation for all work required by this Section, including overhead, profit and administrative costs shall be deemed to have been included in the Contractor's Lump Sum price.

4. CONTRACTOR'S SERVICES

The Contractor shall be responsible for the (operation and maintenance) of the Journal Square Transportation Center and the Harrison Car Maintenance Facility as defined in Appendixes A - D. The Contractor shall provide materials, tools, equipment, supplies, supervision, administration and labor, as specified, to operate and maintain the JSTC and HCMF in a manner acceptable to the Superintendent. No subcontracting of routine work is authorized. All of the named positions herein shall not be subcontracted for routine work. All routine work shall be performed by the Contractor unless authorized by the Manager/ Superintendent.

The Contractor shall conduct his operations hereunder as not to endanger, unreasonably interfere with, or delay the operations of the railroad, or activities of any tenant of occupant in JSTC or the general public using JSTC. In addition the Contractor shall conduct his operations in a courteous, efficient and safe manner.

7. STAFFING LEVELS

1. The Contractor is required to assign one (1) Maintenance Administrator and a Maintenance Clerk at each facility.

In addition, specific requirements for additional staffing at each facility are as follows:

Journal Square Transportation Center

One (1) Chief Engineer
Four (4) Watch Engineers
Three (3) Maintenance Electricians
Three (3) Maintenance Mechanics

Harrison Car Maintenance Facility

One (1) Chief Engineer
Three (3) Watch Engineers
Two (2) Maintenance Electricians
Two (2) Maintenance Mechanics
One (1) HVAC/Maintenance Mechanic
One (3) Machine Mechanic

All staff shall be assigned to this Contract on a full time basis to perform assigned routine and non-routine work. Said employees shall be at the facilities during the days and hours delineated in the clause of the Specifications entitled "Contractor's General Responsibilities and Obligations". The Contractor shall provide such full coverage regardless or whether the regularly assigned

employees are absent from the site of the work due to vacation or personal leave or for any other reason.

2. The Contractor is required to provide personnel for Extra Work when such is deemed necessary by the Superintendent or his designee. The Contractor is to supply the amount of personnel as required by the Superintendent within twenty-four (24) hours of receipt by the Contractor of notice from the Superintendent, except in the case of snow operations or an emergency when a two (2) hour "Notice of Extra Work" must be complied with. The Contractor will be compensated for the Extra Work as herein provided which must be evidenced by written records and reports and approved by the Superintendent.
3. At the outset of the Contract and at any time thereafter if it becomes necessary to replace the Maintenance Administrator or Clerk assigned by the Contractor to this facility, the resume/qualifications of the prospective replacements must be forwarded to the Superintendent at least two (2) weeks prior to filling those positions. The Superintendent or his designee, in his sole discretion, shall determine whether the qualifications of the prospective staff meet those required under the terms of the contract.

8. MANAGEMENT AND SUPERVISION

1. Primary residence, emergency and alternate/cell telephone numbers shall be made available to the Superintendent for all Contractor Supervisory and on-site management for use in emergency response notifications and shall be updated as necessary.
2. The Contractor shall provide, at no additional cost to PATH, three (3) cell/two-way radio phones (NEXTEL) at HCMF and three (3) cell phones at JSTC (for a total of six (6) cell phones) to be used by the Contractor's Maintenance Administrator, Chief Watch Engineer and Duty Watch Engineer & Maintenance Staff to ensure that communication can be achieved 24 four-hours per day, seven days per week. The Contractor shall be responsible for obtaining and maintaining the devices as necessary. In the event such devices are damaged or lost while in the Contractor's possession, he shall immediately replace same.
3. The Contractor shall instruct his Maintenance Administrator and through him, all employees, agents and subcontractors that the safety and convenience of the public and PATH and PATH's operation shall take precedence over all other considerations at all times.
4. The Contractor shall provide a Maintenance Administrator, subject to the initial and ongoing approval of the Superintendent, whose qualifications will be in accordance with those as outlined in the clause of the Contract entitled Contractor's Personnel.

5. In the short-term replacement of the Maintenance Administrator (less than eight-hours), for reasons other than sickness, vacation, or personal leave, the Chief Watch Engineer or Watch Engineer on duty shall have primary responsibility for the entire JSTC or HCMF, to issue instructions or direct all Contractor employees, including those under emergency conditions or other unusual activities.
6. The Maintenance Administrator and, during off hours, the Watch Engineer shall each be authorized by the Contractor to receive and put into effect promptly all orders, directions and instructions from the Superintendent or his designee. Either the Maintenance Administrator or the Watch Engineer shall be available to PATH at all times to receive such orders, directions and instructions. All Contractors' personnel, in turn, shall receive their orders, directions and instructions from the Maintenance Administrator, Chief Watch Engineer or Watch Engineer except in the case of extra work when supervision is required by the Maintenance Administrator or Chief Watch Engineer.

In the event any personnel (skilled or semi-skilled) become unavailable as a result of a strike or any other reason, the Contractor shall nevertheless continue to perform the Contract requirements by all means available, but not restricted to, the use of supervisory staff.

9. CONTRACTOR'S PERSONNEL

The Contractor shall furnish sufficiently trained, (Asbestos, O&M, Pesticide Handler, etc.) at no cost to PATH appropriately certified and experienced supervisory, maintenance and clerical personnel to perform the services required of the Contractor under this Contract. The Maintenance Administrator assigned to each facility is required to prepare written performance appraisals of each and every contractor personnel assigned to this Contract. The written performance appraisals shall be submitted to the Superintendent every six-months. If any personnel is deemed unsatisfactory or does not perform the services to be furnished hereunder in a proper manner and satisfactory to PATH, or in the determination of the Superintendent has taken any action which constitutes a conflict of interest or which is inconsistent with the highest level of honesty, ethical conduct or public interest or to the best interest of PATH, the Contractor shall remove any such personnel and replace them by personnel satisfactory to PATH within twenty four (24) hours, upon notice from PATH. All required inoculations (such as hepatitis) are to be administered to the workers, of which the cost will be borne by the Contractor.

All Contractor's employees performing work required hereunder shall have the ability to communicate in the English language to the extent necessary to comprehend directions given by either the Contractor's supervisory staff or by the Superintendent's staff. The successful Contractor shall submit to PATH the names and home addresses of employees who will perform maintenance work under this Contract. No employees will be permitted to work under this Contract without approval of PATH.

All Contractor employees, hereunder, shall be subject to medical test for the presence of drugs and/or intoxicants during but not limited to medical fitness examinations, return to duty examinations, post accident or a reasonable suspicion medical examination. The Contractor shall be responsible for providing one annual and one random medical test for the presence of controlled or dangerous substances or intoxicants for each employee. In the event of a positive test for any controlled or dangerous substance or intoxicant, the Contractor shall immediately remove the Contractor employee from working at any PATH/Port Authority Facility.

Specific descriptions of each work classification are outlined in Part V, Section 21 of the Contract in the clauses entitled "Contractor's Personnel".

10. APPROVAL OF STAFFING

The Contractor shall submit within thirty (30) days after acceptance of his Bid, a list of all employees, including clerical, management and skilled labor, that it proposes to employ at the JSTC and HCMF. The list shall include the following information: the name and address of the employee; their craft/position, all licenses; a brief outline of his experience and/or past employment; shift to be worked; their total official paid leave days for the ensuing contract year (i.e. vacation, personal, sick days, etc.) and other dates deemed by the Superintendent to be necessary. The Contractor shall verify all past employment and provide the Superintendent with a copy of such verification upon request. Once approved by the Superintendent, no change may be in the personnel list without the express approval of the Superintendent.

All persons engaged by the Contractor for the performance of its obligations under this Contract shall be at all times the officers, agents, employees or representatives, as the case may be, of the Contractor, and not those of PATH.

11. LIMITATIONS ON CONTRACTOR'S EMPLOYEE HOURS

No employee of the Contractor or any subcontractor performing services hereunder shall be permitted to work more than eight (8) hours per day unless an employee or employees are unavailable to perform required services and the Contractor has obtained the Superintendent's prior approval to assign additional work time to a particular employee. If both such conditions are met and additional work time is assigned by the Contractor, the Contractor shall schedule the work so as to ensure that no employee shall work more than twelve (12) hours per day and no employee shall resume work no-less than twelve (12) hours following extended hours or shifts. The Contractor shall not be compensated for any such extended hours or shifts, except as otherwise provided herein. This hour limitation may be exceeded in the event of emergencies, as determined by the Superintendent or his designee.

Notwithstanding the foregoing limitation on work hours, in the event that the Superintendent determines that an emergency exists at the work site so as to require the utilization of all available employees of the Contractor and any subcontractor beyond the hours permitted herein, the Superintendent may require the Contractor to keep such employees at the site to assist him for such an emergency is in effect. Work performed by such employees at the site during such an emergency shall be "Extra Work" as defined in the clause of the Contract entitled "Extra Work and Compensation for Extra Work" and shall be subject to all provisions of such clause, including those relating to compensation.

12. SCHEDULING OF WORK

The Work Order Tracking System (WOTS) and Maintenance Procedure (MP's) for the JSTC and HCMF are components of a system of task assignment, reporting, and control, the purpose of which is to instruct and direct the Contractor to perform the work and codify and report to PATH management the general and specific conditions encountered, the actions taken, and recommendations for subsequent activities.

This section describes the WOTS, which is used to direct, audit and control the operation and maintenance activities at the Journal Square Transportation Center and Harrison Car Maintenance Facility. The principal components of the Work Order Tracking System include Routine and Non-Routine Work Orders, appropriate Rosters of Routine Work, Equipment Record Cards and Maintenance Procedures (MP's) as outlined or referenced for mechanical and electrical systems and equipment. MP's are used as a guide in the Contractor's normal preventative maintenance operations at the JSTC and HCMF.

The WOTS is a LAN Network based database and work order auto-generating computer program utilizing PARADOX software and Bar Code Wands issued to Contract Maintenance Staff for verification of work performed on equipment identified herein.

1) Schedule of Maintenance

The Contractor shall follow the schedule of maintenance for each contract year as indicated in Appendix C and Appendix D, "Rosters of Routines" of the month and day stipulated by the Superintendent.

2) Work Order Tracking System

Appendix A contains the roster of routines to be used in the performance of the routine and non-routine repair services required by the Contract specifications. The requirements for maintenance services contained in the WOTS and delineated in the roster of routines in the appendix are inclusive of the Scopes of contract entitled "Scopes of Work".

The work order tracking system performs the following:

- a. It instructs and directs the Contractor to perform defined tasks at the frequencies and times as outlined in the rosters of Routines. Routine work orders are auto-generated daily by the WOTS. The Contractor's Maintenance Administrator is required to input the names of the craft persons who will perform the various routines.
- b. The auto-generated routine work order requires the Contractor to report to the Chief Maintenance Supervisor, or in his absence, the General Maintenance Supervisor or Superintendent, all details of the task, the general and specific conditions encountered, the actions taken and any recommendations for subsequent activities.

The Superintendent may from time to time (at his sole discretion) delete, revise, modify or *redirect* the Contractor to perform other tasks in place of or in addition to those scheduled. The Contractor shall shift his personnel to follow the new directions of the Superintendent or his designee whose purpose in making these procedural changes is to improve efficiency, expedite emergencies or safeguard the users of the facility.

ROUTINE WORK ORDERS

Routine work to be performed by the Contractor shall follow the procedure outlined below:

1. The Contractor shall have daily routine work orders auto-generated prior to the close of business on the preceding regularly scheduled work day.
 2. The Superintendent will review the routine work schedule and approve or make any necessary changes.
 3. The Superintendent will, as necessary, coordinate with other PATH or Port Authority Units to assist in the inspection of work.
 4. The Contractor shall perform the work as specified in the Work Order. The Contractor's maintenance staff will utilize the Bar Coding Wand System, as directed by the Superintendent or his designee.
 5. The Superintendent will inspect a representative portion of the work performed by the Contractor.
 6. The Contractor will insure that all materials and/or equipment used or rented and not supplied by PATH receive prior approval of the Superintendent.
- b. PATH inspections of Contractor's Routine Work will include, but not be limited to, a review of the following criteria:
1. Quality of the Work

To insure that the work is being performed according to specified procedures that include building and/or local codes and equipment specifications; and in a competent and professional manner.

If any Work in progress is deemed unsatisfactory or unsafe, such work will be stopped by the Superintendent or his representative until the Contractor employs correct and safe procedures.

2. Safe Practices and Procedures

To insure that work is being performed according to recognized safety procedures. Proper safety precautions must be exercised by all Contractor employees at all times. The contractor must adhere to any regulations and guidelines concerning facility safety procedures and the use of personal protective equipment.

3. Minimal Disruption to Operations

To insure that work areas and work methods shall be performed with a minimum of operational disruptions and without jeopardizing the safety of employees or the correct completion of the Work Order.

Note: No work other than emergencies shall be performed or material or equipment moved in critical PATH operations areas except as directed by the Superintendent or his designee.

4. Certification of routine Work Orders

If completed work is judged to be unsatisfactory or incomplete, the Superintendent will notify the contractor of additional or incomplete work required before the Work Order will be accepted as complete.

Following completion of the Work, the Contractor shall list on the Work Order form the names of employees performing the work, the hours worked by each, the date the work was completed, materials and/or small tools used or rented shall also be tabulated. The Contractor's Maintenance Administrator shall verify completion of the work by signing the appropriate line on the Work Order. Verification indicates that work was performed according to specifications whether or not the Maintenance Administrator physically inspected the work.

Following inspection, the Superintendent will sign the Work Order certifying completion of the work. Certification will be withheld unless the work was performed in accordance with the Work Order. All work orders associated with inspected work must be certified as complete and satisfactory by the Superintendent.

5. Filing and Processing

Following verification of completion by the Contractor and approval by the Superintendent, the Work Order is to be filed by the Contractor's Clerk using the record filing system, approved by PATH for references when the Lump Sum invoice is presented for payment.

NON-ROUTINE WORK ORDERS

- a. Non-Routine work to be performed by the Contractor shall follow the procedure outlined below:
 1. The Superintendent, will prepare a Non-Routine Work Order specifying work to be performed and work schedule. This work order will be approved by the Superintendent.
 2. The Non-Routine Work Orders will be classified as to levels of priority with level 1 being the highest or most critical priority. The levels are:
 - a. Level 1 – Emergency work will include such items as structural repairs, fire system problems, sanitary sewer clogs, safety items or mechanical system/component failures. This work will commence within two (2) hours of receipt of notice unless an exception is made by the Superintendent.
 - b. Level 2 – Rush work will include such items as domestic water lines, boilers and HVAC systems. This work will commence within five (5) hours of receipt of notice unless an exception is made by the Superintendent.
 - c. Level 3 – Non-routine work will include such items as aesthetic improvements, office alterations, painting and other services not falling in the above categories. This work will commence within twelve (12) hours of receipt of notice unless an exception is made by the Superintendent.
 3. The Superintendent will establish the priority and forward the work order to the Contractor.
 4. The Contractor shall submit a daily work schedule for Non-Routine work prior to the close of business on the preceding workday.
 5. The Superintendent or his designee will review the work schedule and approve or make changes as required.
 6. The Superintendent will coordinate any necessary reviews by other PATH or Port Authority Units, e.g., Risk Management, PATH's Car Equipment and Way & Structures Divisions, Capital Programs, Engineering, etc. All non-routine work plans must be approved by the Superintendent before starting.

7. The Contractor shall perform the work as specified in the Work Order Tracking System. The Contract maintenance staff will utilize The Bar Code Wand System as directed by the Superintendent.
 8. The Superintendent will inspect the work performed by the Contractor as specified on the Work Order depending on the level of Priority of the work.
 9. The Contractor will insure that all materials and/or equipment rented or used and not supplied by PATH receive prior approval of the Superintendent before being used.
- b. PATH inspections of the Contractor's Non-Routine Work conducted will include but not be limited to, a review of the following criteria:

Quality of Work

To insure that the work is being performed according to specified procedures that include building and/or local codes and equipment specifications; and in a competent and professional manner.

If any Work in progress is deemed unsatisfactory or unsafe, such work will be stopped by the Superintendent or his representative until the Contractor employs correct and safe procedures.

Safe Practices and Procedures

To insure that work is being performed according to recognized safety procedures, proper safety precautions must be exercised by all Contractor employees at all times. The Contractor must adhere to any regulations and guidelines issued concerning facility safety procedures and the use of personal protective equipment.

Minimal Disruption to Operations

To insure that work areas and work methods shall be performed with a minimum of operational disruptions and without jeopardizing the safety of employees, patrons, or tenants of the correct completion of the Work Order.

Note: No work other than emergencies shall be performed or material or equipment moved in critical PATH operations areas except as directed by the Superintendent or his designee.

Filing and Processing

Following verification of completion by the Contractor and approval by the Superintendent, the Work Order is to be filed by the Contractor's Clerk using

the record filing system determined by PATH for reference when the Lump Sum invoice is presented for payment.

Contractor's Initiative

The Contractor should use his initiative to prepare his own work orders if he observes a condition that requires immediate response especially in the area of safety, or to prevent severe damage to the building or equipment, or for the procurement of needed materials. The Contractor's Work Order shall follow the same format as outlined above for non-routine work orders and the same inspection procedures will apply. The Contractor shall notify the Superintendent as soon as possible after the issuance of this own work order and will immediately schedule the work to be performed. For all approved work identified by the Contractor, the Superintendent office will issue a standard PATH Non-Routine Work Order cross-referencing the Contractor's Work Order.

EXTRA WORK ORDERS

No Extra Work shall be performed except pursuant to written order of the Superintendent unmistakably indicating his intention to treat the Work described therein as Extra; the authority to order extra work is subject to the authorization limitations set forth in the clause hereof entitled "Extra Work and Compensation for Extra Work".

In the absence of the required order signed by the Director/General Manager, Deputy Director, Superintendent, if the Superintendent shall direct, order or require any Work whether orally or in writing, which the Contractor deems to be Extra, the Contractor shall nevertheless comply therewith, but shall within twenty-four hours give written notice thereof to the Superintendent stating why he deems it to be Extra.

1. The Extra work Orders will be scheduled within twenty-four (24) hours of receipt of notice, unless an exception is made by the Superintendent.
2. The Contractor shall submit a daily work schedule for extra work within twenty-four (24) hours of receipt of notice and prior to the close of business on the preceding workday.
3. The Superintendent will review the work schedule, approve or make changes as required.

The Contractor shall perform the work as specified within the Extra Work Order and appropriate Maintenance Procedures.

13. MATERIALS, SUPPLIES AND EQUIPMENT

Beginning with the effective date of this Contract, the Contractor shall establish procedures for performance in conjunction with the WOTS in the acquisition and inventory of materials necessary for the maintenance of equipment used for operation and maintenance at the JSTC and HCMF and to do all other things necessary or desirable for or incidental to the fulfillment of services required hereunder. These activities shall be accomplished through the coordinated efforts of the Contractor's personnel and Superintendent or his designees.

1. Approval of Material, Supplies and Equipment

Only Port Authority/PATH approved materials, supplies and equipment are to be used by the Contractor in performing the services required hereunder. Inclusion of materials or supplies on the Port Authority/PATH Approved Products List or approval by the Superintendent constitutes approval. The list may be revised from time to time and at any time by the Port Authority/PATH and it shall be incumbent upon the Contractor to obtain the most current list from the Superintendent.

2. General

All permanent and temporary materials, supplies, tools and equipment required by the Contractor in performing the Work at the Facility under this Contract shall be purchased by the Contractor and issued to the Contractor's personnel as required by the Contractor. The Contractor shall be compensated for all such purchases made by him (other than small tools) based on the net cost thereof as such cost is computed in accordance with the clause of the Contract entitled, "Net Cost Items and Compensation for Net Cost Items".

All materials, supplies, tools and equipment whether purchased by the contractor or supplied by PATH required in the operation and maintenance of the Facility under this Contract shall be inventoried. The Contractor shall maintain a complete, up-to-date inventory of all such stored items and upon the Superintendent or his designee's request shall store items and upon the Superintendent or his designee's request shall provide a copy of the inventory status designating shortage or breakage, if any, indicating the reason for such shortage or broken items.

The Superintendent or his designee shall have the right at all times to monitor the quality and quantity of all materials. Supplies, tools and equipment used by the Contractor. The Superintendent may from time to time consult with the Contractor to determine the types and quantities of all materials, supplies, tools and equipment to be stored at the facilities and establish minimum inventories of tools and equipment to be maintained by the Contractor. If at any time the Contractor is using or has available for use insufficient materials, supplies, tools and equipment as determined by the Superintendent or his designee, the Superintendent or his designee may direct the Contractor to correct such deficiency. The final decision as to the types and the minimum and maximum quantities of such materials, supplies, tools

and equipment to be stored shall be the Superintendent or his designee's. The maintenance of these devices will be the responsibility of the Contractor.

All materials, supplies, tools and equipment used by the Contractor in the performance of services hereunder shall be of such quality as not to cause wear, tear, damage or other deleterious effect to the Facility. If at any time in the opinion of the Superintendent, improper supplies, materials, tools, and equipment are being used by the Contractor in furnishing services hereunder, the Contractor shall, upon notice from the Superintendent, discontinue their use and replace them with approved items.

All equipment used by the Contractor hereunder will be monitored by the Superintendent who shall, from time to time, determine its effectiveness. At his discretion, the Superintendent shall have the right to require the Contractor to discontinue the use of any equipment determined by him to be ineffective and to replace it with properly functioning equipment.

Various unused spare parts, materials, supplies, tools and equipment provided by PATH to the Contractor upon commencement, or throughout the duration, of his services hereunder shall be returned to PATH in good condition (normal wear and tear excepted) promptly upon the request of the Superintendent or, in any case, upon termination of this Contract. Except for normal wear and tear, the Contractor assures the risks of loss of or damage to any such spare parts, materials, supplies, tools and equipment from any cause whatsoever between the time they were provided to him by PATH and the time of return thereof to PATH and the Contractor shall reimburse PATH for all costs arising from any such loss or damage.

Equipment or materials identified by the Contractor as broken must be reported and returned to the Superintendent or his designee before being disposed. All materials that are replaced within and/of removed from the JSTC and HCMF shall remain the property of PATH and shall be delivered to a location at the JSTC or HCMF that is determined by the Superintendent.

PATH will provide sixteen (16) bar code readers for the Work Order Tracking System (eight (8) for each facility) to be used by Contractor's employees when performing routine and non-routine maintenance. Repair of these devices for damage caused by contractor employee misuse, neglect or vandalism will be the responsibility of the Contractor. The Contractor assumes the risk of loss to any bar code reader. Battery replacement, device programming and periodic maintenance and repairs due to normal wear and tear will be the responsibility of PATH.

The Contractor, at his expense, shall be responsible for providing the initial disbursements and replacements, as necessary, all safety equipment for staff employed to the sites, including but not limited to, safety goggles, respirators, work gloves, bump caps, safety vests, safety shoes and hearing protection.

3. Equipment and Tools Provided to the Contractor

Certain tools and items of equipment will be provided to the Contractor for exclusive use at the Journal Square Transportation Center and Harrison Car Maintenance Facility. Such tools are not to leave the premises of the JSTC or HCMF.

The Contractor agrees not to permit others to operate the equipment or use the tools provided by PATH.

The Contractor shall maintain the equipment in good working order, making such repairs as are within the expertise of his personnel, if so directed by the Superintendent. If extensive work or repairs are required, the Contractor shall review with the Superintendent what procedures shall be adopted. The Superintendent's directions shall prevail.

The Contractor hereby agrees to use the equipment and tools, to operate or use them with care and diligence.

The Contractor further agrees that, following each use of the tools and equipment he will put them in a location within the JSTC and/or HCMF complexes designated by the Superintendent. The Contractor shall be responsible for the security of the tools and equipment stored within this designated space.

14. UNIFORMS

The Contractor shall provide, at his own expense, all personnel with distinctive uniforms with woven identification insignia of a type and style, which shall be subject to the prior and continuing approval by the Superintendent or his designee. Such personnel shall wear these uniforms at all times while on the premises of JSTC and HCMF. The Contractor shall assure that such personnel shall present a neat, clean and orderly appearance at all times. All personnel shall make a minimum of two changes of uniforms per week and the Contractor shall supply such personnel with sufficient uniforms to comply with said requirements. Each employee, including the Maintenance Administration, shall be issued a winter parka, a light Eisenhower type spring/fall jacket, steel toed work shoes and, at minimum, two (2) pairs of overalls as part of their general uniform allotment. The Contractor shall be responsible to ensure that its employees are wearing proper shoes for the task being performed. The employees shall not wear sneakers or conductive shoes. The Contractor, at his expense, shall provide all incidental safety equipment (respirators, safety glasses, gloves, etc.) as each job requires. The contractor will be required to provide OSHA approved head protection (bump caps) to all staff working at the Harrison Car Maintenance Facility. Bump Caps are required at all times in and around the shop. The Superintendent shall have the right to require removal of any employee who fails to wear the proper uniform and shoes and the exercise of this right shall not limit the obligations of the Contractor to perform the work.

15. AUTOMOTIVE VEHICLES

The Contractor shall furnish and maintain pick-up trucks, one at each facility, for exclusive use for the Contractor's employees. The vehicles shall be kept at the facilities, 24 hours per day, 7 days per week. Requirements for these vehicles are as follows:

1. Requirements for Vehicles at Both Facilities

The pick-up trucks to be used at each facility shall have a ½ ton rating, a cab and full open bed for materials transportation. The vehicles shall be equipped with back-up alarms, and rotating amber beacon to facilitate personnel back-up protection in active roadway areas. The vehicles shall also be equipped with a back-up alarms and shall not be more than two model years old, as of the date of PATH's acceptance of the Contractor's proposal. The color, style, and identification of such vehicles shall be subject to the prior and continuing approval of PATH. All costs related to the vehicles, including, but not limited to fuel, oil, maintenance, and any liability insurance not provided under the clause of the Contract entitled "Insurance Provided by PATH" shall be borne by the Contractor.

2. Specific Requirements

Journal Square Transportation Center

In addition to the basic vehicle specifications contained in #1 above the vehicle to be used at the JSTC shall be equipped with a Signal Directional Display Panel Traffic Advisor equal or better than that of Model TA870A manufactured by the Lear Siegler, Inc. Signal Division located in Los Angeles California or South Holland, Illinois.

Also, in addition to the vehicle specifications contained in #1 above, the vehicle to be used at the JSTC shall be equipped with a power lift gate (with see-through, expanded metal on lift gate to allow full vision through lift gate when in an upright position).

Parking for such vehicle will be available at the Facility at no cost to the Contractor.

Harrison Car Maintenance Facility

In addition to the basic vehicle specifications contained in #1 above the vehicle to be used at the HCMF shall be equipped with a power lift gate (with see-through, expanded metal on lift gate to allow full vision through lift gate when in an upright position).

Parking for such vehicle and for the Contractor and subcontractor personnel assigned to perform work under the Contract will be available at the Facility at no cost to the Contractor.

16. FACILITIES PROVIDED TO THE CONTRACTOR

1. PATH will furnish the Contractor, without charge, non-exclusive space for an office, locker room, machine shop, lavatory and washroom for the employees of the Contractor at each facility. Space will be provided by PATH for the storage of the Contractor's tools, equipment, materials and supplies. Said facilities and/or space will be designated by the Superintendent and may be change at any time of from time to time at his discretion. The Contractor shall at all times, maintain and clean their areas of the facilities and fixtures, equipment and other appurtenance located therein, and maintain them in an orderly and neat appearance as approved by the Superintendent.
2. The costs of all business related calls and provide a minimum of two (2) telephones at each facility, one phone will be located in each of the Contractor's business offices and one phone will be located in each of the Watch Engineer's Offices in the Shops at JSTC and the HCMF will be borne by PATH. However, PATH reserves the right to review the usage of these phones on periodic basis and, where evidence of personal misuse by Contractor's staff is discovered, PATH will deduct all charges for personal calls from the Contractor's Lump Sum invoice. Misuse will be determined to be twenty or more non-business related calls to the same telephone number within the 201, 212, 909, 609, 793, 732, or 718 area codes and any and all non-business related calls outside the aforementioned area codes occurring within one telephone company billing statement period. It will be the responsibility of the Contractor to maintain a log of all business and non-business related phone calls and to provide to the Superintendent, at his request, a copy of that log.
3. PATH will provide to the Contractor one set of keys to the locker and/or secured areas of JSTC and HCMF.

Copies of working drawings, catalog cuts, circuit and wiring diagrams and other data on equipment and systems contained within the JSTC and HCMF and which are in the possession of PATH will be available at each Facility for use by the Contractor.

4. PATH retains the right to modify and relocate or access space and work areas provided to the Contractor.

The Contractor acknowledges that it has examined the space carefully and hereby accepts the same in its present condition. The Contractor shall repair all damage to the space and all damage to fixtures, improvements, and personal property of PATH which may now or may hereafter be located thereon, which may be caused by the Contractor under this Agreement or by any acts or omissions of the Contractor, its officers, agents, employees or representatives, whether the damage occurs during the course of their employment by the Contractor or otherwise.

Upon the expiration or earlier termination or revocation of this Contract, the Contractor shall remove its equipment materials, supplies, and other personal property from the premises and the space. If the Contractor shall fail to remove its property within 48-hours on or before the expiration, termination or revocation of this Contract, PATH may remove such property to public warehouse for deposit or retain the same in its own possession, and sell the same at public auction, the proceeds of which shall be applied first to the expenses of removal, storage and sale, second to any sums owned by the Contractor, if the expenses of such removal, storage and sale exceed the proceeds of sale, the Contractor shall pay such excess to PATH upon demand.

5. The Contractor shall not perform any maintenance or repairs, nor erect any structures, make any improvements or do any other construction work on the Space or elsewhere on premises or alter, modify or make additions or repairs to or replacements of any existing structure or improvements, or install any fixtures (other than trade fixtures, removable without injury to the space) without the prior written approval of PATH, and in the event any construction, improvements, alterations, modifications, additions, repairs or replacements are made with such approval, then upon notice so to do, the Contractor will remove the same, or at the option of PATH, cause the same to be changed back to the original condition. In case any failure on the part of the Contractor to comply with such notice, PATH may effect the removal or change and the Contractor shall pay the cost thereof to PATH on demand.

17. INTERPERSONAL TRAINING

The Port Authority Trans Hudson Corporation is responsible for the operation of the entire PATH Rail System. As part of this responsibility PATH is concerned with providing assistance and information to its employees, tenants and visitors for a safe and secure environment. The Contractor's staff shall be required to render assistance, give information and/or general directions as necessary during the performance of their duties at the JSTC and HCMF.

This interaction requires highly motivated staff, each of which must, in addition to training necessary to perform the maintenance requirements contained herein, be trained in typical customer service procedures to enable them to assist other workers, patrons, tenants and visitors. The training program to be used by the Contractor to address this requirement will be subject to the on-going review and approval of PATH.

The Contractor must develop and administer within the first month of starting work, an annual program, which shall be included in the lump sum price, that includes, as a minimum, eight (8) hours of classroom training to include:

Public Relations Demeanor
Appearance
Ethics
Use of Safety/Fire Fighting Equipment

Coping with Emergencies
Reports and Communications
Team Oriented Attitudes
Fire Procedures and Control

18. FACILITY INTRODUCTION

A. Journal Square Transportation Center

The PATH Journal Square Transportation Center is a coordinated public transportation facility at Journal Square in Jersey City, New Jersey (JSTC). JSTC provides services to approximately 60,000 passengers each day. An estimated 15,000 passengers transfer to PATH from buses originating or terminating at the center. The Facility is operational 24 hours a day, 7 days a week.

B. Harrison Car Maintenance Facility

The Harrison Car Maintenance Facility, situated on approximately 57 acres, is located at the terminus of Cape May Road, Harrison, New Jersey. A further description of the Facility is contained in the Facility Orientation Handbook.

The principal structure at the Facility is its 207,000 square foot Main Repair Shop. Other structures within the boundaries of the site include a multi-floor Control Tower, also known as "Tomlinson Tower", from which train movements along 11 storage tracks and within the facility's rail yards are observed and managed. The Main Repair Shop is supplied with traction, auxiliary and utilization power from an on-site Substation, which is in turn supplied by Public Service Gas & Electric. The rail car storage yards are also supplied with traction power from the Substation.

19. MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

A. Specific Inclusions

The Contractor shall in general operate and maintain the building systems, structures, facilities and equipment in accordance with the provisions of this Contract. The Contractor shall perform all tests and inspections required herein on the equipment at the JSTC. The Contractor shall perform all routine maintenance and system modifications required on all the building systems, equipment, structures and facilities of the JSTC. The Contractor shall furnish, as required, all materials, supplies, safety appliances, tools and equipment necessary or proper for the operation and maintenance of such systems, structures, facilities and equipment at the JSTC.

The following items of work shall be include in the Contractor's services in accordance with the Contract Specifications, Scopes of Work and Rosters of Routines in their present form:

- a. The Contractor shall supply and pay for all fan belts, lubricants, filters and gaskets (PATH will supply all other materials), and provide labor, supervision, administration and materials necessary or proper for the operation and maintenance of all heating, ventilating, air conditioning, mechanical and plumbing systems equipment, including the Facility Heating Plants as well as the operation of the air conditioning heating and ventilating equipment as further described in Scope of Work #1.
- b. The Contractor shall supply all air filters, at his expense and provide all labor, supervision; administration, materials, and equipment necessary, proper or desirable for the efficient operation and maintenance of the Chilled Water Production Machinery as further described in Scope of Work #2.
- c. The Contractor shall supply air lines, traps, filters, oil and control and electrical wiring and provide all labor, supervision, administration; tools, materials, and equipment, except as may be provided otherwise herein, necessary, proper or desirable for the efficient operation and maintenance of the Automatic Temperature Control System, as further described in Scope of Work #3, including the functions, procedures, tests, inspections and duties outlined in Scope of Work #1 and #2.
- d. The Contractor shall provide all labor, supervision, administration, tools, equipment, and materials, except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the fire protection and sprinkler systems as further described in Scope of Work #4.
- e. The Contractor shall provide all labor, supervision, administration, tools and equipment, except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the Water Treatment Program as further described in Scope of Work #5. PATH will supply the materials for water treatment.
- f. The contractor shall provide all labor, supervision, administration, tools, equipment and materials except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the electrical systems as further described in Scope of Work #6.
- g. The Contractor shall provide all labor, supervision, administration, tools, equipment, and materials except as may be provided otherwise herein, necessary or proper for general utility maintenance and repair at the Facility as further described in Scope of Work #7.

B. Specific Exclusions

Subject to the direction of the Superintendent the following items of Work are not required by the Contract Specifications in their present form to be performed at the JSTC and the Contractor shall not include the following:

- a. Maintenance of the elevator and escalator systems.
- b. Janitorial services and general cleaning.
- c. Maintenance of the following equipment at the JSTC Complex:
 - 1. Traction Power System and Supervisory Control System, Including the Computer.
 - 2. Railroad Signal Control Console and Track Display Board.
 - 3. All Communications Equipment.
 - 4. Relay Room Equipment
- d. Maintenance of the JSTC telephone system.

Note: The Contractor shall, however, be responsible for relamping and general maintenance and operation of the JSTC building systems in the locations where the equipment listed in (a), (b), (c) and (d) is situated.

- e. Maintenance of PATH's public address system and components.
- f. Smoke detection equipment and maintenance.
- g. All activities at train platform level, except general utility maintenance services at stairway numbers 22, 23, 24, 25 and 26, and storm water ejector on platform "S"
- h. Maintenance of the following PATH equipment:
 - 1. Turnstiles on the PATH mezzanine level.
 - 2. Closed circuit TV systems and components.
 - 3. Ticket vending machines.
- i. Maintenance of the equipment in the parking operator's booths and office. The Contractor however shall be responsible for the electrical work, HVAC all building services in the tollbooths and office.
- j. Electrical power.
- k. Fuel oil and/or natural gas.
- l. Machine shop equipment.

NOTE: The Contractor shall, however, be responsible for the relamping, all general utility repairs and operation and maintenance of the building systems in the

immediate surrounding areas of such equipment. The Contractor shall also be responsible for operating and maintaining all building systems in all the locations where these systems are situated as well as all consumer service locations.

The purchase of hand tools and equipment necessary or proper for the performance of work required to be performed under the clauses "Maintenance of the Journal Square Transportation Center" and "Maintenance of the Harrison Car Maintenance Facility" above, whose cost is less than \$100.00 per item shall be the responsibility of the Contractor, to include expendable items (i.e. saw blades, drill bits, taps, etc...).

The foregoing is not an exhaustive listing, either as to the work as a whole or as to any one type of item mentioned, and does not outline the Work required by the Specifications. Accordingly, the provisions above shall be construed as in aid of and supplemental to, but in no case limiting, impairing or decreasing, the requirements elsewhere set forth with respect to the Work to be performed.

20. MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

A. Specific Inclusions

The Contractor shall operate and maintain the building systems, structures, facilities and equipment in accordance with the provisions of this Contract. The Contractor shall perform all tests and inspections required on the building systems and equipment at the HCMF. The Contractor shall perform all routine maintenance and, when directed, all non-routine maintenance, emergency maintenance and system modifications required on all the building shall furnish, as required, all materials, supplies, safety appliances, tools equipment necessary or proper for the operation and maintenance of such systems structures, facilities and equipment at the HCMF.

The following items of work shall be included in the Contractor's services in accordance with the Contract Specifications, Scopes of work and Rosters of Routines in their present form:

- a. The Contractor shall provide all labor, supervision, administration, tools, equipment and materials necessary or proper for the operation of all heating and air conditioning equipment, including the Facility Heating Plant located in the Main Repair Shop, as well as the operation of the air conditioning and heating equipment located in Tomlinson Control Tower, as further described in Scope of Work #1.
- b. The Contractor shall supply, at his expense all fan belts, lubricants and gaskets, all filters and other materials, and provide all labor, supervision, administration, tools and equipment necessary, proper, of desirable for the efficient operation and maintenance of the heating, ventilating and air conditioning systems as further described in Scope of Work #2.

- c. The Contractor shall provide all labor, supervision, administration, tools and equipment necessary or proper for the efficient operation of the packaged air conditioning equipment as further described in Scope of Work #3.
- d. The Contractor shall provide all labor, supervision, administration, tools and equipment, except as may be provided otherwise herein, necessary, proper desirable for the efficient operation and maintenance of the Building Management System, as further described in Scope of Work #4, including the functions, procedures, tests, inspections and duties outlined in scope of Work #1 and #2.
- e. The Contractor shall provide all labor, supervision, administration, tools and equipment except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the fire protection and sprinkler systems as further described in Scope of Work #5.
- f. The Contractor shall provide all labor, supervisions, administration, tools and equipment, except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the plumbing systems as further described in Scope of Work #6.
- g. The Contractor shall provide all labor, supervision, administration and equipment, except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the electrical systems as further described in Scope of Work #7.
- h. The Contractor shall provide all labor, supervision, administration, equipment and tools, except as may be provided otherwise herein, necessary or proper for general utility maintenance and repair and for the operation of the facility's battery powered forklift as further described in Scope of Work #8.
- i. The Contractor shall provide all labor, supervision, administration, equipment and tools, except as may be provided otherwise herein, necessary or proper for the maintenance and repair of the industrial shop systems and equipment at the Facility as further described in Scope of Work #9.

B. Specific Exclusions

Subject to the direction of the Superintendent, the following items of Work are not required by the Contract Specifications in their present form and the Contractor shall not include the following:

- a. Maintenance of the elevator and escalator systems
- b. Janitorial services and general cleaning.
- c. Maintenance of the following equipment:

1. Traction Power System and Supervisory Control System, including the Computer.
 2. All Communications Equipment
 3. Relay Room Equipment
- d. Maintenance of the HICMF Telephone System.
 - e. Maintenance of the PATH's public address system and Components.
 - f. Smoke detection equipment and maintenance.
 - g. Electrical systems within the Control Tower are the responsibility of PATH.

NOTE: The Contractor shall, however, be responsible for the relamping, all general utility repairs and operation and maintenance of the building systems in the immediate surroundings areas of such equipment. The Contractor shall also be responsible for operating and maintaining all building systems in all the locations where these systems are situated.

The purchase of hand tools and equipment necessary or proper for the performance of work required to be performed under the clauses "Maintenance of the Journal Square Transportation Center" and "Maintenance of the Harrison Car Maintenance Facility" above, whose cost is less than \$100.00 per item shall be the responsibility of the Contractor, to include expendable items (i.e. saw blades, drill bits, taps, etc...).

The foregoing is not an exhaustive listing, either as to the work as a whole or as to any one type of item mentioned, and does not outline the Work required by the Specifications, Scopes of Work, Rosters of Routines and Contract Drawings. Accordingly, the provisions above shall be construed as in aid of and supplemental to, but in no case limiting, impairing or decreasing, the requirements elsewhere set forth with respect to the Work to be performed.

21. CONTRACTOR'S PERSONNEL

A. Personnel Descriptions – Journal Square Transportation Center

The following general descriptions of each worker classification at the Journal Square Transportation Center are intended to outline the duties of each such classification. They are not intended to fully describe all duties to be performed by workers of each classification.

NOTE: The Maintenance Administrator and Chief Watch Engineer shall be responsible for the Supervision of all extra work ordered under the Contract. The Maintenance Administrator shall be a salaried employee with a guaranteed compensation differential. However, the compensation for the Maintenance Administrator for such supervision of Extra Work will be based on the hourly

rate established under the extra work clause of the Contract for the Chief Watch Engineer.

a) Maintenance Mechanics

The required Maintenance Mechanics shall be licensed Boiler Operators. The Maintenance Mechanics shall have a minimum five (5) year's experience in the maintenance of building systems comparable to those installed at the Facility. The duties of the Maintenance Mechanics shall include but not be limited to the inspection, servicing and repair of all components of the Facility's HVAC, plumbing, mechanical, electrical and fire protection systems. They shall service and repair architectural finishes, such as painted or covered wall surfaces, windows, doors, locks, lights, roof hatches, smoke vents, vertical lift doors, masonry surfaces including walls, ceilings and walkways expansion joints, flashings, blinds, shades and sheet metal work. The Maintenance Mechanics shall perform these services Monday to Friday between the hours of 7:30 AM and 4:00 PM, exclusive of holidays. At least two (2) of the facility maintenance shall be asbestos O&M certified within three (3) months of the contract award date.

b) Maintenance Mechanic Helper

The Maintenance Mechanic Helper shall have a minimum of three (3) years experience in the maintenance of building systems comparable to those installed at the Facility. The duties of the Maintenance Mechanic Helper shall include but not be limited to the inspection, servicing and repair of all components of the Facility's HVAC, plumbing, mechanical, electrical and fire protection systems. The Maintenance Mechanic Helper shall perform these services Monday to Friday between the hours of 7:30 AM and 4:00 PM, exclusive of holidays.

c) Maintenance Electrician

The required Maintenance Electrician shall have as a minimum a total of seven (7) years' experience as an inspector, contractor and/or Journeyman Electrician in the field of construction and maintenance of electrical systems comparable to those at the facility. The duties of the Electrician shall include but not be limited to the inspection, servicing and repair of all components of the facility's electrical, fire protection, HVAC building systems and equipment as outlined in the Specifications. The Maintenance Electricians shall perform these services Monday to Friday between the hours of 7:30 AM and 4:00 PM, exclusive of holidays. At least two (2) of the facility maintenance electricians shall be asbestos O&M certified within three (3) months of the contract award date.

d) Maintenance Clerk

The Contractor shall provide the services of a Maintenance Clerk, who shall possess, as a minimum, two (2) years experience in data input for maintenance activities similar to those required at the JSTC. The Maintenance Clerk shall perform duties as specified by the Superintendent through the Maintenance Administrator to ensure adherence to all

contractual obligations as they relate to the day-to-day activities of the Contractor. Such duties may be revised at the discretion of the Superintendent or his/her representative. The Maintenance Clerk will perform these services Monday to Friday between the hours of 8:15 AM and 4:45 PM, exclusive of holidays. It should be noted that the Maintenance Clerk's shall not perform duties exclusive to the Contractor (i.e.; payroll, invoice preparation).

e) Maintenance Administrator

The Contractor shall provide the services of a Maintenance Administrator, subject to the approval of the Superintendent or his designee who shall possess, as a minimum, a valid P.E. License, Stationary Engineer's license or refrigeration license, seven (7) years of experience in the management of facility and building maintenance activities for systems and equipment and components substantially comparable to the systems, equipment and components at the Facility which the Contractor is obligated to maintain under this Contract. In addition, the required Maintenance Administrator shall have a minimum of two (2) years experience in the use of automated maintenance control systems and equipment. The Maintenance Administrator shall be in charge of and have the overall responsibility on a twenty-four (24) hour, seven (7) days per week basis, for all mechanical and other operations and activities which encompass all functions as required by the Scopes of Work and Specifications herein, including emergency operations, procedures and supervision of Extra Work. The Maintenance Administrator shall devote his time exclusively to his responsibilities in connection with the work to be performed under this contract. The presence of the Maintenance Administrator on JSTC premises is required between the hours of 7:00 AM and 4:30 PM, Monday through Friday, exclusive of Holidays, and such other times as may be required by the Superintendent or his designee. In the absence of the Maintenance Administrator due to sickness, vacation, personal leave or any other reason, the contractor shall provide a qualified replacement or be subject to assessment of liquidated damages as references elsewhere herein. Duties of the Maintenance Administrator shall include, but not be limited to, the following duties required to be performed by the Contractor under this Contract:

1. Receive all requests from the Superintendent or his designee for maintenance of the systems, equipment and components included in this Contract; supervise and evaluate the performance of the Contractor's personnel on site and coordinate the response of the Contractor's staff so as to ensure the prompt and efficient performance of repairs and services required under this Contract.
2. Record all requires and matters to be executed for maintenance on the Facility's computerized maintenance control system and produce such management reports as the Superintendent or his designee may require for the proper monitoring and auditing of the Contractor's activities at the Facility.
3. Receive all arrivals and departures of all PATH service contractor personnel for which the Contractor is responsible under this Contract when such personnel are visiting the site for the purpose of inspecting, maintaining or repairing the systems, equipment and components of the Facility.

4. Coordinate with the Superintendent or his designee the monitoring of the performance of said service contractor personnel and procure, record and file such evidence of the inspection, maintenance and repair of such systems, equipment and components of the Facility serviced.
5. Administer the warranty provisions applicable to each system, sub-system, item of equipment and component of the Facility for which the Contractor is responsible under this Contract if the warranty is applicable.

f) Watch Engineers

The Watch Engineers shall provide twenty-four hour/seven (7) days a week coverage and be responsible for the operation of the Journal Square Transportation Center heating plant equipment and systems and shall have as a minimum a "Blue Seal" license, as required by N. J. State regulations. At least one of the required Watch Engineers shall hold and maintain as a minimum, a Red Seal - 2nd Class Engineer's License and shall assume the responsibilities of the Chief Watch Engineer for the Facility Heating/AC plant. In addition, the Chief Watch Engineer possessing the Red Seal Engineer's License shall have a minimum of ten (10) years experience in the operation and maintenance of building systems comparable to those at the facility. The duties of the Watch Engineers shall include the following duties required to be performed by the Contractor under this Contract:

1. Manual inspections of boiler room and performance of routine mechanical and electrical maintenance.
2. Performance of the services delineated in Section "Watch Engineer Services" and Section "Operation and Maintenance Services: Heating, Ventilation and Air Conditioning Systems".
3. The Chief Watch Engineer or in his absence, the alternate Watch Engineer shall have primary supervisory responsibility for the operation of the Facility's heating plant and other mechanical systems at the site and shall promptly notify the Maintenance Administrator of all unusual conditions.
4. During hours other than from 7:30 AM to 4:00 PM weekdays', and on weekends and holidays, the Watch Engineer on site shall be responsible for the timely response to all Facility emergencies involving the systems, equipment and components of the Journal Square Transportation Center including emergencies involving systems, equipment, components and structures at the site for which maintenance and operating responsibility has been assigned to PATH employees.
5. Record all unusual occurrences for later review by the lead Mechanical Maintenance Mechanic and appropriate PATH management personnel.
6. Perform other related duties, as directed by the Superintendent through the Maintenance Administrator.

B. Personnel Descriptions – Harrison Car Maintenance Facility

The following general descriptions of each worker classification at the Harrison Car Maintenance Facility are intended to outline the duties of each such classification. They are not intended to fully describe all duties to be performed by workers of each classification.

Note: The Maintenance Administrator and Chief Watch Engineer shall be responsible for the Supervision of all extra work ordered under the Contract. The Maintenance Administrator shall be a salaried employee with a guaranteed compensation differential. However, the compensation for the Maintenance Administrator for such supervision of extra work will be based on the hourly rates established under the extra work clause of the Contract for the Chief Watch Engineer.

a) Maintenance Mechanic

The required Maintenance Mechanics shall be licensed Boiler Operators. The Maintenance Mechanics shall have as a minimum five (5) years experience in the maintenance of building systems comparable to those installed at the Facility. They must have a minimum of two (2) years experience in the maintenance of industrial shop equipment. The duties of the Maintenance Mechanics shall include but not be limited to the operation of the facility propane fueled forklift in accordance with the requirements of OSHA Code 29CFR1910.178, the inspection, servicing and repair of all components of the Facility's HVAC, plumbing, mechanical, electrical and fire protection systems and all industrial shop equipment. They shall service and repair architectural finishes, such as painted or covered wall surfaces, windows, doors lights, roof hatches, smoke vents, vertical lift doors, masonry surfaces including walls, ceilings and walkways expansion joints, flashings, blinds, shades and sheet metal work.

b) Machine Mechanics

The required Machine Mechanic shall have a minimum of five (5) years skilled experience in the repair, maintenance and operation of industrial machinery and equipment comparable to that located at the Harrison Car Maintenance Facility. This position requires at least one (1) year of work related experience in the programming, operation and maintenance of computer numeric control (CNC) systems such as those at the Harrison Shop. Examples of present equipment using these controls are the Wheel Lathe, Vertical Turret Lathe and Maho Milling Machine. The duties of the Machine Mechanic shall include but not be limited to the following:

- 1) Set up and operate shop machinery and equipment such as bench and wheel lathes, wheel boring machine, milling machine, cranes and hoists.
- 2) Ability to use shop machines, precision hand and pneumatic tools to install, remove, assemble, disassemble, test or repair industrial shop equipment or machinery.

- 3) Extensive knowledge and understanding of standard practices, methods, equipment, terms and materials used by machinists in the trade.
- 4) Lifting of heavy machinery and equipment may be required to perform duties.
- 5) Work from high elevations (approximately 45' – 60') to inspect, maintain and or repair shop cranes and equipment.
- 6) Must be able to read and interpret blue prints and or sketches and prepare layouts for same.

c) Maintenance Electrician

The required Maintenance Electricians shall have as a minimum a total of seven (7) years experience as an inspector, contractor and/or maintenance of electrical systems comparable to those at the Facility. Completion of certification for a Journeyman level electrician. Ability to read and comprehend blueprints and drawings, handbooks, specifications, equipment manuals, parts lists and other written material associated with the maintenance and repair of electrical equipment and systems. Working knowledge of Variable Frequency Drives and Programmable Logic Controllers (PLC). The duties of the Maintenance Electrician shall include but not be limited to the inspection, servicing and repair of all components of the facility's electrical, fire protection, HVAC building systems, and industrial shop equipment as outlined in the Specifications.

d) Machine Mechanic with HVAC Experience

The required Machine Mechanic with HVAC Experience shall be licensed Boiler Operators. The Machine Mechanic with HVAC Experience shall have as a minimum five (5) years experience in the maintenance of building systems comparable to those installed at the HCMF, to include five (5) years experience in HVAC package units and controls, motor systems and maintain and possess a CFC certification as required by OSAH Code CFR 40, Part 82, subparagraph F. The Machine Mechanic with HVAC Experience must have a minimum of two (2) years experience in the maintenance of industrial shop equipment. The duties of the Machine Mechanic with HVAC Experience shall include but not be limited to the operation of the Facility battery operated forklift in accordance with the requirements of OSHA Code 29CFR1910.178, the inspection, servicing and repair of all components of the Facility's HVAC, plumbing, mechanical, electrical and fire protection systems and all industrial shop equipment.

The Machine Mechanic with HVAC Experience shall service and repair architectural finishes, such as painted or covered wall surfaces, windows, doors, lights, roof hatches, smoke vents, vertical lift doors, masonry surfaces including walls, ceilings and walkway expansion joints, flashings, blinds, shades and sheet metal work.

e) Clerk

The Contractor shall provide the services of a Clerk, who shall possess, as a minimum, two (2) years experience in data input for maintenance activities similar to those required at the HCMF. The Clerk shall perform duties as specified by the Maintenance Administrator or his designee to ensure adherence to all contractual obligations as they relate to the day-to-day activities of the Contractor. Such duties may be revised at the discretion of the Superintendent or his designee or his/her representative. The Clerk will perform these services Monday to Friday between the hours of 6:30AM and 3:00PM, exclusive of holidays.

f) Maintenance Administrator

The Contractor shall provide the services of a Maintenance Administrator, subject to the approval of the Superintendent who shall possess, as a minimum, a valid P.E. License, or Stationary Engineer's license, seven (7) years of experience in the management of facility and building maintenance activities for systems and equipment and components substantially comparable to the systems, equipment and components at the Facility which the Contractor is obligated to maintain under this Contract. In addition, the required Maintenance Administrator shall have a minimum of two (2) years experience in the use of automated maintenance control systems and equipment, the Maintenance Administrator shall be in charge of and have the overall responsibility on a twenty-four (24) hour, seven (7) day per week basis, for all mechanical and other operations and activities which encompass all functions as required by the Scopes of Work, Rosters of Routines and Specifications therein, including emergency operations, procedures and supervision of Extra Work. The maintenance Administrator shall devote his time exclusively to these responsibilities in connection with the work to be performed under this contract. The presence of the Maintenance Administrator on HCMF premises is required between the hours of 6:00 AM and 2:30 PM, Monday through Friday and such other times as may be required by the Superintendent or his designee. In the absence of the Maintenance Administrator due to sickness, vacation, personnel leave or any other reason, the contractor shall provide a qualified replacement or be subject to assessment of liquidated damages as referenced in the clause of the Contract entitled "Liquidated Damages". Duties of the Maintenance Administrator shall include, but not be limited to, the following duties required to be performed by the Contractor under this Contract:

1. Receive all requests from the Superintendent or his designee for maintenance of the systems, equipment and components included in this Contract; supervise the Contractor's personnel on site and coordinate the response of the Contractor's staff so as to ensure the prompt and efficient performance of repairs and services required under this Contract.
2. Record all requests and matters to be executed for maintenance on the Facility's computerized maintenance control system and produce such management reports as the Superintendent or his designee may require for the proper monitoring and auditing of the Contractor's activities at the Facility.
3. Receive all arrivals and departures of all PATH service contractor personnel for which the Contractor is responsible under this Contract when such personnel are

visiting the site for the purpose of inspecting, maintaining or repairing the systems, equipment and components of the Facility.

4. Coordinate with the Superintendent or his designee the monitoring of the performance of said service contractor personnel and procure, record and file such evidence of the inspection, maintenance and repair of such systems, equipment and components of the Facility serviced.
5. Administer the warranty provisions applicable to each system, subsystem, item of equipment and component of the Facility for which the Contractor is responsible under this Contract if the warranty is applicable.

The Maintenance Administrator shall be a salaried employee responsible for supervising all extra work ordered under the Contract.

g) Watch Engineers

The Watch Engineers shall provide twenty-four hour/seven (7) days a week coverage and be responsible for the operation of the Harrison Car Maintenance Facility heating plant equipment and systems and shall have as a minimum a "Blue Seal" license, as required by N. J. State regulations. At least one of the required Watch Engineers shall hold and maintain as a minimum, a Red Seal – 2nd Class Engineer's License and shall assume the responsibilities of the Chief Watch Engineer for the Facility Heating/AC plant. In addition, the Chief Watch Engineer possessing the Red Seal Engineer's License shall have a minimum of ten (10) years experience in the operation and maintenance of building systems comparable to those at the facility. The duties of the Watch Engineers shall include the following duties required to be performed by the Contractor under this Contract:

1. Manual inspections of boiler room and performance of routine mechanical and electrical maintenance.
2. Performance of the services delineated in Section "Watch Engineer Services" and Section "Operation and Maintenance Services: Heating, Ventilation and Air "Conditioning Systems".
3. The Chief Watch Engineer or in his absence, the alternate Watch Engineer shall have primary supervisory responsibility for the operation of the Facility's heating plant and other mechanical systems at the site and shall promptly notify the Maintenance Administrator of all unusual conditions.
4. During hours other than from 6:00 AM to 2:30 PM weekdays and nor weekends and holidays the Watch Engineer on site shall be responsible for the timely response to all Facility emergencies involving the systems, equipment and components of the Harrison Rail Car Maintenance Facility including emergencies involving systems, equipment, components and structures at the site for which maintenance and operating responsibility has been assigned to PATH employees.

5. Record all unusual occurrences for later review by the Chief Engineer, Maintenance Administrator and appropriate PATH management personnel.
6. Perform other related duties, as directed by the Superintendent or his designee through the Maintenance Administrator.

22. MAINTENANCE PROCEDURES (MP'S)

A separate volume entitled "Maintenance Procedures" (called MP's) supplements the requirements for routine maintenance stipulated by the Rosters of Routines (See Part V, Appendix C and Appendix D). These MP's describe in detail and provide a checklist of the services to be performed as required herein. The MP's are provided as a supplement to the routine work orders as they are assigned. The Superintendent may from time to time, and at any time revise the Maintenance Procedures, supplement or add additional procedures, which, in the opinion of the Superintendent, provide an improvement to the preventative maintenance program delineated by the Roster of Routines. The Contractor shall assist the Superintendent upon request with the revision or creation of such maintenance procedures.

23. CONDITION REPORTS

The Contractor shall prepare and submit reports as directed by the Superintendent stating the condition of all equipment along with any recommendations for corrective actions to said equipment which would improve the reliability, decrease maintenance and operating cost, or improve energy conservation. At all times and at any time, the Contractor shall make available through his Superintendent, any and all information required or recommendations for repair of the all systems, sub-systems and individual components or equipment included within the scopes of work made part of this Contract.

24. MANUALS, REFERENCE MATERIAL AND MAINTENANCE INSTRUCTIONS

The Contractor shall maintain on site at each facility all reference materials including information on equipment warranties and guarantees acquired during the course of maintenance operations, including information furnished to the Contractor by PATH or others, which is pertinent or useful to future maintenance. Such information shall include, but not limited to, operations and maintenance manuals, catalog cuts, manufacturer's maintenance instructions, shop drawings, sketches, and the sources for replacement parts or qualified service and technical assistance. All such information shall be used by the Contractor as part of his operation and shall be considered the property of PATH, whether or not obtained directly by the Contractor. The Contractor shall maintain all such information in an orderly fashion by system or sub-system and maintenance activity. The contractor shall furnish to PATH upon request, a copy of all updates to the reference information and at PATH's request a complete copy of all such

information by category. Requests for information to the Contractor as herein mentioned may be made by the Superintendent either verbally or via non-routine work order.

25. PROJECT WORK

The Contract includes Project Work, that may consist of repairs, alterations and miscellaneous tasks, which PATH may elect to perform to address changes necessary as the result of the new railcars and/or requirements to enhance the performance and/or aesthetics of the Harrison Car Maintenance Facility. The Contractor shall not begin any Project Work until authorized by the Superintendent. The Contractor shall be compensated for labor used for Project Work at the applicable Labor Rate for the applicable Contract Year. The Contractor shall be compensated for materials and labor used for Project Work according to the provisions, entitled "Net Cost Items and Compensation for Net Cost Items" and "Extra Work."

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1. Scope of Work #1 – Twenty-Four Hour Building System Services

The Contractor shall be responsible for the maintenance and operation of all heating and air conditioning equipment, including the Facility Heating Plant, located in the Main Repair Shop, as well as the maintenance and operation of the air conditioning and heating equipment located in Tomlinson Control Tower except as may be provided for herein by other service contracts PATH has (or will) enter into.

The Contractor shall perform the following functions, procedures, tests, inspections and duties and operations at least once during each Watch Engineer shift as designated in the Roster of Routines, except as noted:

- A. Inspection of all operations in mechanical machine and electrical rooms, including the Main Repair Shop Boiler Room, hazardous storage room, the fire pump room, the Substation equipment rooms, Tomlinson Tower mechanical and electrical rooms, the sanitary lift station and other areas as may be directed by the Superintendent or his designee.
- B. Visual inspection of rail yards and facility roadways, adjacent waterways and other outlying areas of the site.
- C. Recording of operating parameters and conditions for the following equipment items as a minimum: boilers, compressed air system, domestic hot water system, heating hot water system, fire protection systems and plumbing systems.
- D. Spot relamp all machine rooms as necessary.
- E. Check all circulating pumps for heating and domestic hot water systems for proper operation and seal leaks.
- F. Inspect all water valves including domestic, heating and fire station valves, for leakage and adjust as necessary.
- G. Inspect and record operating parameters for the Facility compressed air system, perform operating maintenance as directed and request non-routine maintenance for unusual conditions.
- H. Perform general housekeeping of boiler room, fire pump room, machine platform, electrical rooms and other equipment and storage areas as may be directed by the Superintendent or his designee.
- I. Sample boiler water, analyze and record chemical properties, adjust chemical properties of boiler water as may be determined to be necessary by the service contractor which PATH retains to perform boiler water treatment.
- J. Inspect the operation of all air handlers, ventilation and exhaust fans, units and cabinet heaters, air curtains, unitary air conditioners; observe and record bearing noise, vibration,

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water or lubricant leaks or other unusual conditions and request necessary repair maintenance as necessary.

- K. Inspect the condition of all plumbing fixtures and the devices and record any deficiencies, including leaks, drainage obstructions or other unusual conditions and request corrective maintenance measures.
- L. Inspect the condition of the waste oil storage tank for unusual conditions and leaks.
- M. Respond to Facility emergencies, including fire, flood, fire systems, activation, alarms and water flow, halon systems activation, high or low temperature alarms, elevator malfunctions, and alarms or other potentially hazardous occurrences.
- N. Observe pressure and temperatures of all operating systems and equipment/
- O. Check all boiler auxiliary equipment and associated piping for leaks, vibration, operating levels, pressure and temperatures and the proper operation of safety devices. Blow down air receivers and air coolers.
- P. Observe Facility compressed air systems oil pressures and oil levels and system piping for leaks and other defects.
- Q. Operate the Facility lighting systems. To provide required illumination and conserve electricity during non-business hours.

2. Scope of Work #2 – Heating, Ventilating, Air Conditioning Systems

The Contractor shall furnish and supply all labor, supervision, administration, materials, tools, supplies and equipment, necessary, proper, or desirable for the efficient operation and maintenance of the heating, ventilating and air conditioning systems except as may be provided for herein by other service contracts which PATH has (or expects) to enter into.

- A. The mechanical systems at the Facility consist of the following principal equipment items:
 - 1. The central heating plant for the Main Repair Shop consists of two (2) 300 H.P. hot water boilers, manufactured by Cleaver Brooks (CB 700-300-125). The primary fuel is natural gas standard boiler accessories, the plant includes 4000 gallon expansion tank, water treatment equipment and makeup water subsystem. Distribution of heated water is effected by three (3) 30 H.P. centrifugal circulating pumps located in the Boiler Room.
 - 2. The Main Repair Shop heating plant is equipped with an instrument and control panel for addressing and monitoring boiler functions as well as regulating proper boiler settings. Among the specific functions accomplished is control of firing rate, fuel-air ratio control, smoke opacity monitoring and sequential draft control. The boilers and control panel are microprocessor controlled and are equipped with battery backup. The

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boiler specification guarantees and 82.5% efficiency for gas operation be the manufacturer.

3. Heating of the Main Inspection, Repair and Shop areas of the Main Repair Shop is accomplished using a combination of heating ventilating fan coil units and high capacity units heaters. Eighteen (18) unit heaters are installed from the roof structure within the Car Inspection and Heavy Repair portions of the shop. These units are equipped with motorized air distribution nozzles and smoke detectors. Heating of Upper Mezzanine Office areas of the shop is performed with fin tube convectors. Conventionally sized unit heaters are installed in other areas of the Facility and also provide perimeter protection of the north wall of the blowdown Facility. These units are equipped with motorized air distribution
4. The Blowdown facility, while designed as one functional system, includes eight (8) independent heating – ventilating units for supplying tempered air associated with car cleaning activities. Four (4) of these units recirculate dust-laden air through the Blowdown Facility's dust collection equipment. The remaining four units supply tempered make-up air. High capacity heating/ventilating fan coil units are installed in the boiler room for combustion air and for ventilation of the fire pump room and flammable storage area of the shop. The various specialty repair shops are heated by four heating/ventilating units located on the main mechanical equipment platform of the Main Repair Shop.
5. The Wheel Truing Facility is equipped with four (4) gas fired air curtains above the rolling doors on the east and west end of the building. In addition there are 4 gas fired unit heaters and two (2) roof mounted exhaust fans.
6. Air curtains are installed above each of the overhead doors for the Main Repair Shop's rail car entrances and truck docks. In addition, certain areas are equipped with electric units heaters, particularly electrical equipment rooms, the Control Tower and the facility Substation. Cabinet heaters are installed in a limited number of hallway and stairway locations for the Main Repair Shop.
7. The principal ventilation equipment for the Main Repair Shop consists of high capacity exhaust fans for the shop's inspection and repair areas. These units, similar in type and location to the majority of the facility's ventilating equipment, are roof installed and belt driven. High capacity roof mounted exhaust fans are provided for the Main Repair Shop's boiler room as well. The remainder of the ventilation equipment used within the Main Repair Shop and Guard House is principally fractional and sub-fractional horsepower roof mounted, belt and direct drive fans. Wall mounted exhaust fans are utilized in the Substation as the primary ventilation system for the electrical power equipment rooms. The Signal buildings are equipped with unitary air conditioners and electric heaters.
8. The final space temperature regulation on the larger air handling units within the Main Repair Shop is performed using pneumatic control devices with variable air volume

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dampers located upstream of final discharge points. Control of these units is affected with electronic loop controllers manufactured and installed by Landis Staefa – Powers. Local sensing is accomplished with room thermostats.

- B. The Contractor shall perform the following functions and such other related procedures, tests, inspection and duties as may be required for the proper operation of the heating, ventilating and air conditioning systems as described in item (A) above:
1. Operate and maintain the low pressure hot water heating plant and all ancillary equipment, including two four pass, up draft, packaged boilers of 300 boiler horsepower capacity each. The Facility heating plant chemical treatment systems, boiler make-up water. The Preferred/Rimcor Instruments Boiler Monitoring and Control Panel's maintenance and repairs will be covered under a separate maintenance service agreement. Under design conditions, both hot water boilers are expected to operate to meet the heating requirements of the Main Repair Shop. Each boiler has been manufactured to burn natural gas and will modulate to satisfy varying heating demand.
 2. Operate and maintain all heating and ventilating systems, sub-systems, components, associated pumps and all ancillary equipment, including but not limited to: heating and ventilating fan units, cabinet and unit heaters, expansion joints, piping supports, temperature, pressure and flow indicating devices. All air vent, gate, globe, check and solenoid valves, all rigid and flexible ductwork, intake and exhaust air grilles and louvers and bird screens, motorized, manual fire and gravity dampers, all axial, centrifugal and propeller fans and inertia and vibration isolation equipment and structural support connections for all HVAC systems and equipment.
 3. Provide all services required to maintain and repair as required, the five primary packaged direct expansion air-conditioning units, manufactured by York Air Conditioning; supplying the Upper Mezzanine of the Main Repair Shop and the Control Tower that are not covered under the present service maintenance agreement, the Contractor shall provide all services required of necessary for the proper functioning of these units. Each unit includes a cooling coil, heating coil, vibration eliminators, condensation collection pan, a fan Section and controls. The units are supplied with access panels.
 4. Operate and maintain the unitary type air conditioning supplying the individual repair shop areas, the Facility Substation and the Guard House. Each unit includes a condensate drain pan, a fan section, a cooling coil and unitary controls.
 5. Operate and maintain all air-handling units. The basic characteristics of the air-handling units are similar to the low velocity air conditioning units as described above. The air filters for the air handling equipment consist of throwaway paper frame media. The filters consist of two-inch (2") renewable media section of the horizontal type, utilizing glass fiber material of progressive density and progressive fiber diameter having a minimum depth of 2" when operating in the air stream.

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6. Adhere to operating requirements specified under "Scope of Work #1" and such additional operating requirements as may be directed by PATH during the term of this Contract to meet current N. J. State requirements or as may be desired by the Superintendent or his designee to assure the continued availability of the heating plant, extend its useful life or comply with the recommendations of the Manufacturer.
 7. Check and record as directed by the Superintendent or his designee all refrigeration and packaged air conditioning machinery meter and gauge readings and make necessary adjustments.
 8. Be available to respond to HVAC complaints from PATH's Maintenance Supervisor for the site.
 9. Spot relamp, mechanical and electrical rooms and platforms as necessary.
 10. Check all pumps for proper operation; adjust packing glands, if required.
 11. Note and correct any unusual items; notify the Superintendent or his designee, as required.
 12. In the absence of a full service contract for the complete service of the facility heating plant, establish and implement a comprehensive water treatment program for the mechanical systems and furnish the labor, materials, supplies and equipment, supervision and administration necessary and proper for the satisfactory performance of said program to include, but not be limited to, the functions specified below.
 - (a) The Contractor shall take water samples on a periodic basis, at least weekly, for the inlet water to the boilers and for the closed water systems. At least three (3) days must elapse between any such tests. Further, the Contractor shall furnish the Superintendent or his designee on a periodic basis not less than once each month, a written report of his findings and recommendations, highlighting any unusual determinations.
- C. The contractor shall monitor and administer the full or partial service contract (s) by PATH for the maintenance of the heating plant, HVAC and water systems equipment, including the boilers, make-up water and treatment sub-systems and upon their expiration or termination, any subsequent successor agreement (s) entered into during the term of this contract.
1. The services to be provided by the service contractor for the maintenance of the HVAC systems are expected to include the following:
 - a. The performance of scheduled inspections.
 - b. The performance of routine and non-routine maintenance.
 - c. The furnishing of emergency service between scheduled inspections.
 - d. The furnishing of all labor, replacement parts and supplies to perform the above.

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3. Scope of Work #3 – Air Conditioning Equipment and Systems

The Contractor shall furnish and supply all labor, supervision, administration, materials, supplies, tools and equipment necessary, proper or desirable for the efficient operation of the packaged air conditioning equipment except as may be provided herein by other service contracts PATH has (or expects) to enter into.

- A. The packaged air conditioning systems at the facility consist of the following principal equipment items:
1. Five (5) primary rooftop packaged air conditioning units (ACU-1 to ACU-5) supply the largest of the conditioned spaces within the Main Repair Shop. The nominal capacities of these units range from 20 to 40 tons and were manufactured by York Air Conditioning. In addition, a 20-ton unit of similar design, except for an electric heating coil, supplies the Control Tower. Each of the larger units serving the Main Repair Shop is equipped with a return air fan and a hot water heating coil. Four (4) air conditioning units, of limited capacity, serve smaller office areas within the repair shops and the Guard House. A heat pump is installed in the Substation for space temperature control of the electronic equipment area.
- B. The Contractor shall perform the following function and such other related procedures, tests, inspections and duties as may be required for the proper operation of the packaged air conditioning equipment and systems.
1. Operate and perform minor repairs of each of the six (6) packaged air conditioning systems, including but not limited to the direct expansion air handlers, the roof-mounted condensing units, together with all associated controls, dampers two electric chillers, cooling towers, chilled water pumps, condenser water pumps, and all ancillary pumps, equipment and piping. The refrigeration system includes the five (5) primary air conditioning units serving the Main Repair Shop and the one (1) primary air conditioning unit serving Tomlinson Control Tower.
 2. Monitor each Packaged Air Conditioning unit which is supplied with a control panel that includes a control voltage transformer, motor starters, ambient compensated three-phase overload protection, fused disconnect, a control panel and safety controls.
 3. Check the automatic controls that are provided on each unit to operate the different stages of refrigeration, including reheating and emergency shutdown due to operation of the unit's freeze protection equipment, smoke detection devices, low and high temperature safety devices.
 4. Perform the specific tasks and Roster of Routines coordinated with and approved by the Superintendent or his designee based on the recommendations of the manufacturer, vendor, installer and service contractor of the Packaged Air Conditioning systems. Any change in the usual operating conditions shall be communicated immediately by the

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Contractor's personnel to the Superintendent or his designee and any service contractor responsible for full or partial service of the Packaged Air Conditioning system.

5. Provide for the Chief Engineer, or in his absence, the shift Watch Engineer to meet with the representative of the service contractor following each service visit to the site to discuss the service agent's or service contractor's recommendations regarding operation of the equipment. All recommendations related to critical aspects of the equipment's operation shall be communicated in writing to the Maintenance Administrator.
6. Ensure that operation of the Facility's Packaged Air Conditioning Equipment by the Contractor's personnel is in accordance with the service contractor's instructions and manuals.
7. Maintain the equipment rooms and spaces free from extraneous material. In addition, the Contractor shall maintain all structural steel and vibration control equipment associated with the Packaged Air Conditioning System, including, but not limited to, the performance of all required painting.
8. Move any stock, fixtures, walls or partitions to facilitate the service contractor's servicing of the equipment.
9. Provide the service contractor personnel access to such areas and building systems as may be required to perform their services at the Facility and shall notify PATH if accessibility to additional areas at the site are required by the service contractor.
10. Make no modifications or additions to the York equipment, except as may be directed by the Superintendent or his designee.
11. Start/stop the York equipment on a periodic basis, either directly or via computer control, as per the PM Work Order or as may be directed by the Superintendent or his designee or by the service contractor.
12. Furnish, change or clean the air filters except those HVAC units that are part of the Blowdown System.
13. Maintain the piping, except for the refrigerant piping.
14. Maintain the air distribution system, including the ductwork and fan casings.
15. Take all precautions required to prevent damage due to freezing weather.
16. Provide protection from corrosion, erosion, damage from water, brine, steam, etc.
17. Maintain the electrical input to the equipment, including the disconnect switches and circuit breakers.

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- C. The Contractor shall monitor and administer the full or partial service contract(s) executed by PATH with a York Air Conditioning service agency or other service contractor ("the service contractor") and upon its expiration or termination, any subsequent or successor agreement entered into during the term of this Contract.

4. Scope of Work #4 – Building Maintenance System

The Contractor shall furnish and supply all labor supervision, administration, materials, and equipment, except as may be provided otherwise herein by other service contracts executed by PATH necessary, proper or desirable for the efficient operation and maintenance of the Landis Staefa Powers Building Management System, including the functions, procedures, tests, inspections and duties outlined Scope of Work #2.

- A. The Contractor shall perform the following functions, procedures, tests, inspections and duties as may be required for the proper operation of the automatic temperature control system:
1. Operate the automatic temperature control system, including the Landis Staefa – Power solid state digital control system, all HVAC pneumatic and electric controls, alarms on HVAC equipment, boilers, sump pumps, elevators, operating devices, dampers, control valves, pneumatic controls, compressed air supplies, air filters, dryers and all associated components, sub-systems and systems. Limited maintenance as provided via periodic Maintenance Routine Work Orders will also be required.
 2. Perform the specific tasks, routines and frequencies coordinated with and approved by, the Superintendent or his designee based on the recommendations of the manufacturer, vendor or installer of the Building Management System.
 3. Replacement or repair of defective airlines, control and electrical wiring, traps and filters and any damage from corrosion are expected to be excluded from the Landis Staefa-Powers service contract.
 4. Provide the Building Management Systems service contractor's personnel reasonable access to such areas required to perform their services. If any such area is higher than 10 feet above the surrounding floor, the Contractor shall furnish all ladders, platforms, mechanized lifts and/or scaffolding as may be necessary.
 5. Remove all obstacles to the Building Management System service contractor's personnel in their performance of their maintenance functions.
 6. Provide "stand-by" labor as required to assist the performance of the Building Management System repair activities as may be directed by the Superintendent or his designee.

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7. Remove and reinstall, as required by the Superintendent or his designee, malfunctioning pneumatic control valves for repair or overhaul by the Building Management System service contractor.
8. Replace all damaged interior and exterior finishes, including carpeting and ceiling finishes, damaged as a result of malfunctioning or leaking of manual and pneumatic control valves.
9. Perform the following procedures at the frequencies indicated in the manner specified in the Building Management System manufacturer's operation and maintenance instructions and manuals.

| <u>Frequency</u> | <u>Procedure</u> |
|------------------|---|
| Monthly | Inspect and clean all equipment. |
| Monthly | Adjust, lubricate and calibrate all components. |
| Monthly | Test all components and all systems. |
| Monthly | Inspect, adjust and repack valves. |
| Monthly | Inspect, all alarms, indicators, recording and communication devices. |
| Monthly | Inspect, test and replace all lamps and indicating devices. |
| Monthly | Inspect, test, clean, and adjust the printer and display projector. |
| As required | Service valve and damper operators. |
| As required | Service electric equipment. |

- B. The Contractor shall monitor and administer the full or partial service contract executed by PATH with Landis-Staefa - Powers or some other service contractor for the inspection, maintenance and repair of the Building Management installed at the Facility and the building control system installed in Tomlinson Tower and any similar control systems installed on the site, and upon its expiration or termination, any subsequent or successor agreement entered into during the term of this contract.

5. Scope of Work #5 - Fire Protection Systems

The Contractor shall furnish and supply all labor, supervision, administration, equipment, and materials, except as may be provided otherwise herein under service contracts which PATH has (or expects) to enter into, necessary or proper for the operation and maintenance of the fire protection and sprinkler systems.

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A. The Facility includes several fire protection systems. Among these are thirteen (13) wet-sprinkler systems, fire standpipe hose racks and cabinets, local fire signaling and smoke detection systems, an on sit hydrant system and various halon protection systems for protection of certain equipment and operating areas. The fire protection systems consist of the following principal items:

1. Two (2) 8" water mains feed the Harrison Rail Car Maintenance Facility. The Main Repair Shop's fire standpipe hoses and sprinkler systems are supplied by a common water main pressurized by two 1500 GPM main fire pumps and a 5 H.P./15 GPM jockey pump. The discharge from the Main repair Shop pumps are common to 8" fire water main which circles the interior perimeter of the Main Repair Shop. Sectionalizing valves are provided for isolating segments of the 8" main. A section of the fire main also bisects the Running Repair and Heavy Repair sections of the Main Repair Shop. A 2-1/2" deluge valve feeding six-fog/fine mist spray nozzles protect the hazardous waste storage room located next to the fire pump room. Control of the Flammable Storage Deluge System is affected by a smoke and flame detector activated fire panel located in the Fire Pump Room.
2. Fire department connections are available via eight (8) 3" X 3" X 6" Siamese's, four (4) each along the north and south faces of the Main Repair Shop, one (1) each on the east and west walls of the MRS. Each of the Main Repair Shop sprinkler systems are equipped with an alarm valve for water flow detection and are zoned as follows:

| <u>Valve</u> | <u>Valve Size</u> | <u>No. of Heads</u> | <u>Coverage</u> |
|--------------|-------------------|---------------------|---------------------------|
| AV #1 | 5" | 152 | Blowdown/Wheel Turning |
| AV #2 | 6" | 386 | Running Repair/West |
| AV #3 | 8" | 160 | Running Repair/East |
| DPV #4 | 2-1/2" | 6 | Hazardous Storage |
| AV #5 | 6" | 236 | Storeroom Shelves |
| AV #6 | 5" | 131 | Machine/Wheel & Shop |
| AV #7 | 8" | 283 | Storeroom/West |
| AV #8 | 6" | 264 | Motor/Truck Shop |
| AV #9 | 6" | 187 | Heavy Repair Area |
| AV #10 | 5" | 126 | Upper Mezz./West |
| AV #11 | 6" | 328 | Upper Mezz./East |
| WFS #4 | 4" | 41 | Boiler Room/Fire Pump Rm. |

3. Water flow and tamper switch indication are routed to a fire alarm panel located in the Track Foreman's office situated in Room 119 which has been designated as the Inspection/Road Foreman & Clerk's Office. It is anticipated that PATH operating personnel will occupy this area but such staff are not expected to monitor building alarms.
4. The Control Tower is equipped with a wet sprinkler system on each floor which provides coverage for all areas other than the tower's 4th level Control Room and the 3rd

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level Equipment Room C-303. A 6" water main feeds one 40 H.P./500 GPM fire pump and one 2 HP/7-1/2 GPM jockey pump. The Control Room is used by Transportation Division personnel to oversee the movement of rail cars on the site. Equipment Room C-303 houses certain electronic switching equipment used for the control of signaling devices on the site. Both of these systems are located within the Control Tower Fire Pump Room situated on the Ground level of Tomlinson Tower.

5. There are seven (7) fire hose cabinets and thirty (30) fire hose racks within the Main Repair Shop. One of a total of four fire hose cabinets is located on each floor of the Control Tower. Approximately 100 fire extinguishers are distributed throughout the Main Repair Shop. Another seven (7) are provided for the Control Tower.
- B. The Contractor shall perform the following functions procedures, tests, inspections and duties as may be required for the proper operation of the mechanical fire protection systems:
1. Operate and maintain the complete fire standpipe and sprinkler systems for the Main Repair Shop, Tomlinson Control Tower, Wheel Truing Building, the Facility Substation, including but not limited to, all piping, risers, valves, pipe heating cables, pumps and associated controllers, fire hoses and hose racks, Siamese connections and associated check valves, water meters and water service equipment, drains and condensation collection devices, and ancillary equipment.
 2. Operate and maintain the complete wet pipe sprinkler system for the Main Repair Shop, Tomlinson Control Tower, the Facility Substation and all ancillary equipment and service connections, including all piping, pipe hangers, pipe supports, sprinkler heads, valves, including alarm check valves and dry pipe valves, seals, signs, tags, and all tests required.
 3. Operate and maintain all heat tracing elements and related controls on piping systems located outside heated areas.
 4. Record all data relating to the maintenance of the machinery and equipment, and administer the maintenance program related thereto, including the preparation of appropriate equipment maintenance records
 5. Prepare and submit reports as directed by the Superintendent or his designee; stating the condition of all equipment along with any recommendations for corrective actions relative thereto which would improve the reliability, decrease maintenance and operation cost, or result in energy conservation.
 6. Maintain a sufficient quantity of specialized tools and replacement parts on site for the maintenance of the mechanical fire protection systems, including, but not limited to spanners, wrenches, sprinkler heads of the proper temperatures and type, fire hoses, siamese connections and check valve components. Within 30 days after commencement of the Contractor's operations at the site, the Contractor shall submit to

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the Superintendent or his designee a listing of all such equipment and supplies together with their location.

7. Replace, at the direction of the Superintendent or his designee, all sprinkler or fire standpipe piping which is deteriorated or damaged due to freezing.
- C. The Contractor shall monitor and administer the full or partial service contract(s) executed by PATH for the smoke detection, fire alarm signaling system and fire extinguishers as necessary to assure proper operation of all fire protection systems and upon its expiration or termination, any subsequent or successor agreement entered into during the term of this contract. The service Contractor for the smoke detection fire extinguisher, fire hose and fire alarm signaling systems is expected to perform a thorough inspection annually to include:
1. Checking and cleaning detectors to remove all foreign substances.
 2. Checking/monitoring/supervising elements of systems in accordance with manufacturer's recommendations.
 3. Testing of actuating controls by removal from containers and introduction of simulated fire conditions at one or more detectors while controls are in "discharged" position.
 4. Check all on site fire extinguishers for proper charge and annual inspection tag upon completion.
 5. Pressure test as required all standpipe fire hoses, replacing those that fail or are visually deteriorated or worn.
 6. Operating manual operating devices (pull boxes, manual electric switches, etc.) with actuating controls removed and in "discharged" position.
 7. Resetting and reinstalling all actuating controls.

6. Scope of Work #6 – Plumbing Systems

The Contractor shall furnish and supply all labor, supervision, administration, equipment, and materials, except as may be provided otherwise herein under service contracts which PATH has (or expects) to enter into, necessary or proper for the operation and maintenance of the plumbing systems.

- A. The Facility is supplied with potable water via two 12-inch mains which feed a water main loop on the site. Each of the 12 inch incoming mains are equipped with a separate water meter pit, together with water metering and valving equipment. One of the pits is located near the main entrance to the Facility. The other main is located toward the northwestern corner of the Facility. The plumbing systems consist of the following principal items:

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1. The on-site 12-inch water main loop surrounds the Main Repair Shop. From the southwestern water meter pit, a 6-inch water main forms a secondary loop, which connects to the Main Repair Shop loop at its southeastern limit. From the 12-inch loop, two 8-inch fire lines supply the Main Repair Shop. A 6-inch domestic water main also supplies the Main Repair Shop from the 12-inch loop. Both fire and domestic water service enters in the vicinity of the Boiler Room. A 2-inch main taken from a 6-inch branch line feed by the 12-inch loop serves the Substation. At various locations along the 12-inch main loop, individual 6-inch branches supply on-site hydrants. Hose bibs for the landscaped areas of the site are fed from the 3-inch branch supplying Tomlinson Control Tower. Within the Main Repair Shop, the primary cold-water distribution is accomplished via a 4 inch main, which circles the perimeter of the Main Repair Shop and by 2-inch mains, which run longitudinally in the Inspection & Running Repair section of the Main Repair Shop.
2. An indirect industrial waste drainage system supports the Truck Repair shop and the Heavy Repair area of the Main Repair Shop where cleaning of rail car trucks will be accomplished. The drainage piping from these two terminate to sump and sedimentation pits and sump pumps for receiving the discharge the Blowdown area dust collection equipment.

Dust from the Blowdown area cleaning operations is removed by the Duct Collection Separators, which wet the exhausted air to improve separation of the particulates. The discharge from the dust collection equipment flows to one of four sumps, which accumulate the collected fines for later disposal.

3. An oil/water separator, located along the north inside wall of the Main Repair Shop Inspection area, receives the discharge from the industrial waste water system piping. A sanitary lift station is situated approximately midway along the north wall of the Main Repair Shop and provides the final connection between the Main Repair Shop/Substation's sanitary lines and the Harrison sanitary sewage system. Storm water from the site, including the Main Repair Shop, the Substation, the Facility's smaller buildings, the storm water catch basins located throughout the rail car yards and along the Facility's roadways directs their discharge to the adjacent waterways.
4. The primary supply of domestic hot water is furnished by two (2) gas-fired hot water heaters and associated storage tanks. Each of the hot water heaters is capable of 42 boiler horsepower or approximately 1400 gals of hot water per hour. Certain areas of the Main Repair Shop and Substation are equipped with 5 gallon electric hot water heaters. Electric hot water/steam boilers are provided for the Air Conditioning & Pipefitter's Shop and the Blowdown Facility for the cleaning of condenser & evaporator coils (AC 2617) and rail car underbodies. Throughout the Main Repair Shop, approximately 17 emergency eyewash/showers have been installed for employee safety.
6. Two (2) Ingersoll-Rand Type LOE air compressors supply 125-PSI air to all areas of the Main Repair Facility at a capacity of 375 CFH each. Compressed air is utilized within the Main Repair Shop for the operation of rail car maintenance pneumatic tools

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and equipment and for the supply of control air for the Building Management System's pneumatic devices. The Facility compressed air system also supplies the Harrison Rail Car Maintenance Facility's rail yard switches and the used oil sump pump in the Main Repair Shop and the lubricant grease pumps located in the Running Repair and Inspection area of the Main Repair Shop. The compressors are glycol cooled using two roof mounted fluid coolers and two shell and tube heat exchangers. The heat exchangers use domestic water to provide added cooling of the compressors whenever ambient temperatures exceed 100 degrees Fahrenheit. The compressed air systems also include two (2) 650-gallon air receivers; two (2) Ingersoll-Rand refrigerated air dryers and an Ingersoll-Rand desiccant air dryer for supplying signal air to the Harrison Main Repair Facility yards. Air connection points are located throughout the Main Repair Shop and are equipped with air filter lubricator regulator stations for individually driven tools. Airline filters, separators, regulators and drain traps are also provided throughout the Main Repair Shop.

Shop equipment items currently in place using compressed air include, but are not limited to:

Air Brake Shop – Agitating Parts Washer and Workbenches (5)

Air conditioning/Pipefitter's Shop – Workbenches and Workstands (6); Scissor Lifts (2)

Battery Shop - Wash Rack and Workbenches (3)

Carpenter's Shop – Radial Arm and Band Saws (2); Drill Press and Workbenches (2)

Compressor Shop – Sand Blast Chamber, Compressor Assembly Carts (4);
Workbenches (4); Agitating Parts Washer and Turntable

Electric Bench Shop – Modular Work Stations (11); Cleaning System;
Pneumatic Crimping Tool; Workbenches (12)

Electronic Shop – Workbenches (3); Electronic Card Tester; PA Test Center;
Ultrasonic Cleaner; Sink/Counter Bench; Modular Work Stations (4)

Heavy Repair Area – Motor Control Center, Used Parts Washer Solution Evaporators (2)

Machine Shop – Horizontal Mill; 20" Engine Lathe; Power Hack Saw;
8" Pedestal Grinder/Buffer; Precision Surface Grinder; Work bench

Motor Shop – Sand Blaster Chamber; Dynamic Tester (2); Freon Cleaning Equipment;
Motor Upenders (2) Bench Lathe; Workbenches (8); 17" Machine Lathe

Roller Bearing Shop – Workbenches (3) and Spray Washer

Running Repair Shop – Workbenches (8) and Drill Press

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Storeroom – Workbenches (4)

Sheet Metal Shop – Workbenches (3); Spot Welders (2) and Drill Press

Truck Shop – Repair Stands and Hoists (5); Workbenches (3); Spray Washer;
Steam Washer; Service Reels (3); Drill Press

Welding Shop – Workbenches (3) and Drill Press

Wheel & Axle Shop – Wheel Lathe, Workbenches (6); Axle Grinder; Magnetic
Particle Tester; Washer/Rinse System (2)

- B. The Contractor shall perform the following functions, procedures, tests, inspections and duties as may be required by the Superintendent for the proper operation of the plumbing systems:

Operate and maintain all plumbing systems and ancillary equipment, including:

1. Sanitary drainage and venting systems, including all sewage ejectors and sump pump assemblies and pits.
2. Storm drainage systems, which convey storm water from roof drains, area and trench drains, terrace drains, various sumps, plenum drains, oil interceptors for the drainage system and all related pumping equipment.
3. Domestic cold-water distribution system with connections to all fixtures and equipment requiring cold water and including water service connections, house pumps and water heaters, and plumbing fixtures.
4. Domestic hot water distribution systems with connections to all fixtures and equipment requiring hot water, including water heaters, exhaust ducting and breeching, etc. various domestic hot water circulation pumps, balancing tanks, etc.
5. Waste oil and lubricant storage tanks, related pumping equipment, collection pits, grating, strainers, valves, gauges, piping and hose connections and miscellaneous equipment.
6. Complete gas distribution system from the facility gas meter, including the connections to all gas fixtures and equipment, gas service connections, gas metering equipment, and boiler accessories.
7. Piping, drains, filters, nozzles, valves and controls that feed the Main Repair Shop, Tomlinson Control Tower and the Facility Substation water supply systems from the Facility Water Meter Pit, as well as all underground piping and distribution systems components on the site. The Contractor shall also operate and maintain all incoming service mains from the City of Harrison Water System.

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8. Facility compressed air system, including the Ingersol – Rand compressors, refrigerated dryers and desiccant dryers, all piping, piping supports, valves, control devices and components of the system located within the Main Repair Shop, exclusive of the compressed air distribution piping and associated valves and other components located in the rail car yards, which will be operated and maintained by PATH. The Contractor shall provide all support requested by the Superintendent or his designee for the repair of the yard systems at the site.
 9. All heat tracing elements and related controls on piping systems located outside heated areas.
 10. All controls and interlocking control wiring, including but not limited to, freeze protection devices and connections, filter advance mechanisms and electrical components. Indicator lights and internal fan equipment lighting.
- C. The Contractor shall monitor and administer service contracts which PATH may elect to enter into for the maintenance of the Facility's plumbing systems and upon its expiration or termination, any subsequent or successor agreement entered into during the term of this contract.

7. Scope of Work #7 – Electrical Systems

The Contractor shall furnish and supply all labor, supervision, administration, equipment and materials except as may be provided otherwise herein under service contracts which PATH has (or expects) to enter into, necessary or proper for the operation and maintenance of the electrical systems.

- A. Primary electrical service is provided to the on site Substation by PSE&G and consists of two 26.4 KV/1200 amp feeders. The service in turn supplies two 1200 amp buses which are linked with a tie breaker. From each of the high voltage buses, feeders are routed within the Substation to the Main Repair Shop's Traction Power system, Auxiliary Power system and the Yard's Traction Power system. In addition, the incoming service is stepped down to 416 volts by two 3750KVA transformers before continuing on to the Main Repair Shop's two Main Switchboards No. 1 and No. 2 and then respective setdown transformers. The electrical systems consist of the following principal items:
1. The direct current (DC) power required for operations within the Main Repair Shop is supplied from two 2000 KV Substation rectifiers. The rectifier outputs are directed to the Substation DC Switchgear, which includes a tiebreaker. From the Substation, two sets of 2000 MCM cables provide traction power supply is functionally divided to supply both track power for rail car movement and auxiliary power for operation of rail car systems other than track.
 2. The Substation rectifies output is a nominal 650 volt supply and is distributed within the Main Repair Shop from the AC/DC Distribution Room located on the second level of

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the shop via two (2) 6000 amp buses. Connection of the buses to the shop's individual trolley and auxiliary power outlet boxes is accomplished with twenty (20) DC feeder breakers located in the AC/DC Distribution Room. Ten (10) of the breakers are used for supply of the trolley system. The remaining ten (10) breakers supply the traction/auxiliary power outlets boxes. Each of the individual sections of the Main Repair Shop's trolley and the traction/auxiliary power supply stations are energized via push-button controlled contactors. From the trolley and auxiliary power supply stations, traction power cables and trolley down leads are utilized for connection to the car third rail shoes and auxiliary power studs. Visual and audible signaling is provided via the associated control panels. There are 44 Trolley Energization Push Button Stations located in the Running Repair/Inspection Area of the Main Repair Shop. In addition, 19 Trolley Emergency Stop Push Button and Indicating Light Stations have been installed in the shop for control of the trolley system.

3. The rail car yards of the Harrison Rail Car Maintenance Facility are provided with an outdoor lighting system, which utilizes twelve (12) high mast lighting poles with 1000-watt high-pressure sodium lamps. The predominate pole is 110' in height and is typically equipped with nine (9) fixtures. Each of the poles utilizes a motorized winch for lowering the fixture cluster to ground level for maintenance. Control of the lighting is accomplished from the Substation control panel, which is equipped with time clocks, an outdoor photocell and 480/277-volt contractors.
4. The Running Repair and Inspection area of the Main Repair Shop is equipped with high-pressure sodium and fluorescent lighting for the pit, raised rail and under-platform sections of the shop. The high bay lighting for the repair areas utilize 400-watt high-pressure sodium fixtures. Office areas are principally provided with fluorescent lighting. Emergency lighting is accomplished with self-charging battery units. Incandescent lighting is limited to the Substation Battery Room, the hoist pits and pipe chases.
5. Control and monitoring of the Main Repair Shop's HVAC equipment is accomplished via the Landis Staefa – Powers Building Management System (BMS). The BMS system terminal, printer and modem is located in the Inspection/Road Foreman's Office, Room M119. This room is situated on the ground level of the Main Repair Shop, approximately 60' east of the Boiler Room. Each of the loop controllers from which connections to specific HVAC equipment is accomplished, is capable of independent operation in the event of a malfunction of other portions of the control system. Control of the air handler serving Tomlinson Tower is accomplished using an independent Johnson Controls controller.
6. In addition to the Building Management System, the Main Repair Shop is equipped with a separate intrusion and fire alarm system. The smoke and fire related control strategies for the Main Repair Shop's HVAC systems are implemented through booth individual control wiring and local controllers and the intrusion/fire alarm system. Shutdown of individual units is performed by unit mounted smoke detectors which also provide indication to the intrusion/fire alarm system. Monitoring of ingress/egress to

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the Main Repair Shop is accomplished using card readers located at main entry points to the shops.

7. Various electrical control systems have been designed as an integral part of the industrial equipment and other systems installed in the Main Repair Shop. These control systems have been fabricated and supplied by both original manufactures of the equipment and shop systems under the general electrical provisions of the Facility construction contract. These control systems provide for proper functioning of the various industrial equipment and systems, including but not limited to, the Blowdown facility, the Vacuum systems for the Blowdown Facility, the Main Repair Shop lubrication and waste oil systems, the Truck Progression system in the Heavy Repair area, dust collector systems for certain items of industrial equipment the Truck Shop hoist systems, the control system for the shop Traction power system, control of the rectifiers in the Battery Room, electric door operators and safeties for the overhead doors throughout the Facility, pipe heat tracing cable controls, certain power limited control circuits for intrinsically safe applications, as well as other electrical control systems.
- B. The Contractor shall perform the following functions, procedures, tests, inspections and duties as may be required for the proper operation of the electrical systems:
1. Operate and maintain the Facility electrical power distribution system, including: main electrical service components, items of equipment and sub-systems for the Main Repair Shop, including, but not limited house (low voltage) transformers and related electrical control and power distribution equipment; and the 480/277 and 208/120 volt power distribution systems and systems utilizing other voltage levels, including but not limited to all over current protection devices, wiring, conduit systems, disconnects, energy control, monitoring and temperature-sensing devices.
 2. Spot relamp, reballast or perform emergency lighting repairs as directed by the Superintendent or his designee. Such work shall be completed immediately unless it would interfere with normal facility operations or unless otherwise directed by the Superintendent or his designee.
 3. Maintain, repair or replace all electric motors and controllers for the following: heating, ventilating and air conditioning systems, fire pumps, domestic water pumps, mechanical systems, industrial shop equipment and miscellaneous motors.
 4. Maintain, repair or replace all duct reheats and controls, including those installed in the Main Repair Shop, Tomlinson Control Tower and the Facility Substation.
 5. Maintain, repair or replace miscellaneous systems, including but not limited to illuminated signs and directories, column-mounted interior and exterior signs, lightning protectors and all miscellaneous electrical systems.

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6. Relocate and install electrical branch and feeder wiring circuits and termination devices, lighting fixtures and other types of electrical consumption devices.
7. Relocate and install computer cabling for PATH's teleprocessing equipment, terminals and output devices.
8. Maintain, repair or replace all specialty control systems, including but not limited to the rail car hoist controls and contactors; the controls for the Facility's Direct Current distribution system necessary for the proper functioning of all alarms and interlocks; the Blowdown Facility fan controls; all crane controllers, controllers for the Facility's industrial equipment; and other special HVAC control systems, such as those used in the Battery Shop for control of the ventilation equipment and the shop's charging equipment.
9. Perform all routine and non-routine electrical maintenance as may be required for the proper operation of the Facility's industrial equipment and systems, including but not limited to the complete inventory of industrial equipment identified in PATH Contract PAT-150.153. While performing repair work, the Contractor shall determine the cause necessitating such repair. If the breakdown was not caused by a breakdown in the electrical system, but results from other defects e.g., leaks, improper insulation, excessive heat or moisture etc., before continuing repairs, he is to report such finding to the Superintendent or his designee and shall additionally take such precautions as may be necessary to protect all personnel from unsafe conditions.
10. Perform routine and non-routine maintenance of the battery systems for the Raymond Wire Guided Forklift System, aerial work platforms and other specific vehicular shop equipment.

Operator driven forklifts that are maintained by the Port Authority Central Automotive Division are excluded.

NOTE: The Contractor shall not be required to maintain the Facility's high tensions systems of 650VDC traction power located in the Facility Substation and Main Shop AC/DC Room, which will be maintained by PATH. Such equipment includes the all high voltage switchgear, transformers, bus work and cabling, the direct current rectifiers and the control equipment within the substation, commonly referred to by PATH as the "CCCS SYSTEM". Also excluded is all 650 VDC equipment, including feed rail trolleys and Pringle traction/auxiliary power boxes and cabling located in the Main Repair Shop, (The control equipment provides for remote operation and monitoring of the substation from PATH's Hoban Control Center at the Journal Square Transportation Center). Where testing of the protective relaying for the facility switchgear located in the AC/DC Distribution Room of the Main Repair Shop is required, PATH will arrange for the performance of such testing by appropriate PORT AUTHORITY/PATH technicians. The Contractor shall provide such assistance as may be required for the orderly

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and safe performance of such testing, as may be directed by the Superintendent or his designee.

8. Scope of Work #8 – General Utility Maintenance

The Contractor shall furnish and supply all labor, supervision, materials, administration and equipment, except as may be provided otherwise herein under service contracts which PATH has (or expects) to enter into, necessary or proper for general utility maintenance and repair at the Facility.

The Contractor shall perform the following functions, procedures, tests and duties as may be required for the proper functioning of the Facility.

- A. Disassemble, relocate and reassemble, as directed by the Superintendent or his designee, all facility office partitions, including telephone, power and office automation connectors and restoration of all surfaces to an acceptable condition.
- B. Repair and/or replace defective door hardware, including but not limited to door hinges and closets.
- C. Remove and replace defective (as determined by the Superintendent or his designee) ceramic and resilient flooring materials, including vinyl quarry and mosaic tile. All carpet tile repairs and broadloom repairs of a "minor" nature, determined by the Superintendent or his designee, shall be made by the Contractor.
- D. Repair and maintain all miscellaneous metals, including handrails, stairways, protective guards, shower benches and wood trim.
- E. Remove and replace broken glass mirrors located within all locker and toilet areas of the Facility.
- F. Refinish interior surfaces, and repaint mechanical and electrical equipment, piping, and surfaces, all as required.
- G. Repair and maintain all covered: painted and tiled wall surfaces.
- H. Repair and/or replace acoustical ceiling materials, including ceiling tiles, grid work and hangers. Compensation for materials, supplies and equipment required for such services to be computed in accordance with the clause of the Contract entitled "Net Cost Items and Compensation for Net Cost Items".
- I. Repair and/or refinish all aluminum surfaces, soffits, covers and trim.
- J. Erection of barriers or otherwise securing of areas of the site or within any of the buildings or structures on the site as required to ensure the safety of the Contractor's employees, PATH's employees, agents, consultants or others at the site.

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- K. Assist Port Authority and PATH employees, agents, consultants or others engaged in maintenance or engineering activities at the site.
- L. As directed by the Superintendent or his designee, uncrate materials, tools, supplies and equipment received by PATH.
- M. Set up holiday and special event displays, signs and posters furnished by PATH, as directed by the Superintendent or his designee.
- N. Repair damaged roadways, roadway barricades, and parking pavement and markings as directed. Repair of Facility roadways, traffic control devices, roadway signs and stripping shall be as directed by the Superintendent or his designee.
- O. Perform plumbing repairs as directed by the Superintendent or his designee, including repairs required in all restrooms and toilet areas.
- P. Maintain current chart showing the location of all electrical switches and circuit breakers and plumbing shutoff valves.
- Q. Maintain, repair and operate the facility trash compactor.
- R. Install, during inclement weather, safety matting as required.
- S. Maintain and repair the dispensers for toilet tissue and sanitary napkins as well as the disposals for sanitary napkins.
- T. Log utility meter readings once a month.
- U. Repair miscellaneous concrete items such as sidewalks, concrete decks, columns, etc., due to deterioration, as required.
- V. Repair architectural precast units, including patching to match existing finish.
- W. Maintain and repair masonry, including brick, concrete block and granite block.
- X. Maintain shop pavement safety line stripping as required.
- Y. Maintain and repair all miscellaneous and ornamental metal items, including architectural expansion joint covers, chain link fences, steel ladders, deck drains, aluminum louvers, grilles and panels, guard rails, corner guards, crash barriers, fascias, soffits, and skirts panels.
- Z. Maintain and repair doors, including hollow metal doors, glass entrance doors, aluminum doors, rolling wire mesh and aluminum roll up doors.

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- AA. Maintain and repair all stairways, including masonry stair treads, risers and landings.
 - BB. Maintain and repair all roof drains, expansion joints, gutters, down spouts and skylights.
 - CC. Maintain and repair all roofing, waterproofing and weatherproofing items, including weather-stripping.
 - DD. Maintain miscellaneous caulking including but not limited to, all horizontal and vertical control and construction joints.
 - EE. Maintain storage and other cabinets, workbenches, and rack systems in shop area.
 - FF. Inspect, maintain and repair the Facility's fencing, traffic control devices and markings.
 - GG. Maintain and repair the Facility guard house, CED storage buildings, Card Setting Pit pick-up/drop off Platform adjacent to PATH's eastbound service track, and, as required, the Signal Bungalows located on the site. Such maintenance shall include, but not limited to, the repair of all architectural, structural, mechanical and electrical systems.
 - HH. Maintain, repair and operate the facility forklift.
- II. Such other general maintenance duties as may be directed by the Superintendent of his designee.

9. Scope of Work #9 – Industrial Shop Repair Systems and Equipment

The Contractor shall furnish and supply all labor, materials, equipment, supervision and administration, except as may be provided otherwise herein under service contracts which are executed PATH, necessary or proper for the maintenance and repair of the industrial shop systems and equipment at the Facility. Maintenance and repair of certain elements of these systems will be covered under separate Maintenance Service Agreements. The contractor will be required however, to be first response to any repair problem on such equipment. The Contractor may also perform limited maintenance in between regularly scheduled service contractor visits for this equipment.

- A. The Facility is equipped with numerous industrial shop repair systems and equipment items. The individual equipment items provided for each shop is functionally related to the repair activities conducted. A detailed layout of these shops and the location of the industrial equipment is furnished by way of the basic construction contract documents for the Facility, Contract PAT-150.153, and is provided in outline form in the handbook entitled "Facility Orientation Handbooks which is available upon request from the Superintendent. A listing of the individual work shops within the Main Repair Shop, including their major repair systems and equipment, is as follows:

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AIR BRAKE SHOP

| | |
|----------------------------|------------------|
| Pedestal Grinder | AB 225 |
| Dust Collector for AB 225 | AB 501 |
| Agitating Parts Washer | AB 502 |
| Ultrasonic Process Control | AB 508 |
| Air Compressor | AB 511 (2 units) |
| Monorail System | AB 512 |

AIR CONDITIONING SHOP

| | |
|----------------------------|-------------------|
| Pedestal Grinder/Buffer 8" | AC 2606 |
| Lift/Stacker Truck | AC 2611 |
| Rectifier Power Supply | AC 2616 |
| Electric Boiler | AC 2617 |
| Storage Rack System | AC 2622 |
| Scissor Lift | AC 2626 (2 units) |
| Magido Parts Washer | |

BATTERY SHOP

| | | |
|---------------------------|--------|-----------|
| Forklift Charger | BS 701 | (2 units) |
| Steam Washer | BS 710 | |
| Electric Forklift – 4000# | BS 713 | (4 units) |
| Battery Charger/Analyzer | BS 714 | (2 units) |

CARPENTRY SHOP

| | |
|--------------------|-------|
| Combination Sander | C 277 |
| Radial Arm Saw | C 278 |
| Table Saw | C 279 |
| Band Saw | C 282 |
| Drill Press | C 800 |
| Dust Collector | C 801 |

COMPRESSOR SHOP

| | |
|-----------------------------|--------|
| Storage Rack System | CO 601 |
| Compressor Test Stand | CO 605 |
| Honing Machine | CO 606 |
| Agitating Parts Washer | CO 608 |
| Pedestal Grinder/Buffer, 8" | CO 611 |
| Dust Collector for CO 611 | CO 615 |

ELECTRIC BENCH SHOP

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| | |
|-----------------------------|------------------|
| Cleaning System | EB 911 |
| Pedestal Grinder/Buffer, 8" | EB 918 |
| Drill Press, 15" | EB 920 |
| DC Power Supply | EB 928 |
| Remote Operated Station | EB 953 (2 units) |
| Variable Resistor Bank | EB 957 |

ELECTRONIC SHOP

| | |
|-------------------------|---------|
| Ultrasonic Cleaner | ES 1002 |
| Remote Operated Station | ES 1017 |

HEAVY REPAIR AREA

| | | |
|--------------------------|---------|------------|
| Car Stand | HR 63 | (12 units) |
| Car Body Hooks | HR 472 | (4 units) |
| Car Hoists | HR 1101 | (8 units) |
| Turntable | HR 1104 | (3 units) |
| Truck Progression System | HR 1105 | |
| Motor Control Center | HR 1106 | (2 units) |
| Car body Stands – Manual | HR 1107 | (16 units) |
| Hoist Control | HR 1108 | (4 units) |
| Aerial Work Platform | HR 1109 | (4 units) |
| Truck Towing Vehicle | HR 1110 | |
| LPG Forklift – 5000# | HR 1113 | |

MACHINE SHOP

| | | |
|------------------------------|--------|-----------|
| Pedestal | M 272 | (4 units) |
| Pipe Threader | M 307 | |
| Drill Press | M 323 | |
| Horizontal Mill | M 337 | |
| Centering Lathe | M 356 | |
| Universal Mill | M 1200 | |
| Engine Lathe 20" | M 1203 | |
| Power Hack Saw | M 1204 | |
| Pedestal Grinder/Buffer | M 1205 | |
| Precision Surface Grinder | M 1206 | |
| 150 Ton Moveable Frame Press | M 1208 | |
| Dust Collector for M 1205 | M 1211 | |

MOTOR SHOP

| | |
|---------------------|--------|
| Storage Rack System | MS 90 |
| DC Power Supply | MS 91 |
| Slotter | MS 101 |

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| | |
|--------------------------|---------|
| Slotter | MS 104 |
| Slotter, Small Tools | MS 112 |
| Sand Blast Chamber | MS 145 |
| DC Power Supply | MS 189 |
| Dynamic Tester | MS 1300 |
| Freon Cleaning Equipment | MS 1301 |
| Motor Upender | MS 1302 |
| Bench Lathe | MS 1305 |
| Engine Lathe – 17" | MS 1312 |
| Counter-Balanced Stacker | MS 1313 |

ROLLER BEARING SHOP

| | |
|--------------|---------|
| Spray Washer | RB 2602 |
|--------------|---------|

RUNNING REPAIR SHOP

| | |
|----------------------------|-------------------|
| Pedestal Grinder | RR 27 |
| Scissors Lift | RR 65 |
| Drill Press | RR 1702 |
| Aerial Work Platform | RR 1705 (7 units) |
| Pedestal Grinder/Buffer 8" | RR 1711 |
| Scissors Lift | RR 1719 (3 units) |
| Water Distiller System | RR XX |

SHEET METAL SHOP

| | |
|--------------------------------|---------|
| Shear, 10' Hydraulic | SM 274 |
| Bending Brake | SM 2001 |
| Spot Welder | SM 2008 |
| Band Saw | SM 2009 |
| Box and Pan Hand Bending Brake | SM 2013 |
| Floor Squaring Shear | SM 2014 |
| Drill Press | SM 2015 |
| Pedestal Grinder | SM 2017 |
| Dust Collector for SM 2017 | SM 2018 |

STORE ROOM

| | |
|----------------------|------------------|
| Swing Reach Forklift | S 1804 |
| Pallet Hand Truck | S 1806 |
| Trash Compactor | S 1807 |
| Forklift Charges | S 1809 (2 units) |
| Wire Guidance System | S 1811 |
| Dock Leveler | S 1817 (3 units) |
| Dispensing System | S 1819 |

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| | | |
|---------------------------|---|------|
| Electronic Platform Scale | S | 1825 |
| Explosion-Proof Forklift | S | 1827 |

TRUCK SHOP AND WELDING

| | | | |
|--------------------------|----|------|-----------|
| Truck Repair Hoist/Stand | TS | 2101 | (5 units) |
| Turntable | TS | 2103 | (3 units) |
| Spray Washer | TS | 2108 | |
| Hoist Control | TS | 2112 | (5 units) |
| Motor Control Center | TS | 2113 | |
| Steam/Water Washer | TS | 2116 | |
| Turntable. Axle | TS | 2119 | |
| Evaporator | | | (2 units) |

WELDING SHOP

| | | |
|------------------------|---|------|
| Fume Collection System | W | 2208 |
| Pedestal Grinder – 12" | W | 2209 |
| Metal Cutting Band Saw | W | 2213 |
| Drill Press | V | 2214 |

WHEEL AND AXLE SHOP

| | | |
|---------------------------|----|------|
| Wheelset Lathe | WX | 143 |
| Arbor Press | WX | 341 |
| Wheel Press, Single Ended | WX | 2402 |
| Axle Grinder | WX | 2411 |
| Magnetic Particle Test | WX | 2412 |
| Washer/Rinse System | WX | 2414 |
| Vertical Boring Machine | WX | 2418 |

WHEEL TURNING BUILDING

| |
|-------------------------------------|
| Zoeller 1 1/2Hp Sump Pump |
| ¼ ton Groebel Coffing Crane |
| Simmons Wheel Cutting Machine |
| Steel Track – Steel Shaving Trolley |
| Wheel Truer Pulley System |
| Motorized Louver Damper (2) |

- B. Collectively, the above-identified items of equipment represent an essential component of the Facility's functional capability to effect necessary car repair activities. The Contractor shall perform maintenance on such items of equipment, as directed by the Superintendent, so as to ensure their availability, during all times when they may be required. To insure the

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equipment's availability the Contractor shall perform the following functions, procedures, tests and duties as may be required for the proper functioning of the Facility:

Maintain, repair and service the following:

1. CAR HOISTS AND TURNABLES – The Heavy Repair and the Truck Shop areas of the Main Repair Shop are equipped with two types of car hoist systems and two types of rail car truck turntables. Four rail car hoists (HR 1101's), consisting of two lifts each, are available in the Heavy Repair area on tracks 13, 14, 15 and 16. The equipment items for all of the hoists have been manufactured by Joyce Dayton of Dayton, Ohio. Each of the four hoists in the Heavy Repair area include the hoist mechanisms for lifting each end of a rail car, a control operating station (for a total of four HR 1108's) located on the structural steel column in the vicinity of the hoists, two motor control centers (HR 1106's) from which all of the hoist (for a total of sixteen HR 1107's) and various alarms and visual indicators.

Three turntables are located in the Heavy Repair area for movement of trucks and wheel sets between different tracks. Within the Truck Shop, five additional lifts (TS 2101's) are provided for raising and lowering of separated rail car trucks for maintenance of rail car trucks. These lifts are operated from individual controllers located in the vicinity of the lifts. Three turntables are also located in the Truck Shop for moving trucks and wheel sets within the shop.

The contractor's duties shall include limited maintenance (as outlined in the PM maintenance program) of the car hoists and turntables, including but not limited to, lubrication, service and repair of the hoist mechanisms, motor controllers, safety, alarm and control circuits, pit lighting and car body stands.

2. TRUCK PROGRESSION SYSTEM – The Truck Progression System (HR1105) has been installed between the Heavy Repair and Truck Shop areas of the Main Repair Shop. Its principal purpose is the movement of rail car trucks and wheel sets between the two areas. The system consists of three assembled sections of guidance track, a robot assembly which moves in the guidance track, a drive motor, chain loop and electrical control panel. The robot assemble is propelled and returns from one end of the guidance track to the other.
3. CAR LUBRICATION SYSTEM – The Car Lubrication System provides three types of gear lubrication oil and a supply of lubrication grease throughout the Running Repair section of the Main Repair Shop, as well as in the Truck and Heavy Repair Shops. The system consists of three airline filter regulators and a leak detection system for the tanks. Each of the storage tanks is equipped with a high and low level alarm and signaling devices. The oil supplies are pumped through welded pipe to valve outlets in each of the areas. Quick connections with flexible hoses provide a final point of supply to mobile dispensing carts with hose reels. Grease is made available at the mobile carts from local piping, which is connected, to three locally installed grease drums and pumps. The grease pumps are pneumatically operated and are equipped with airline

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filters, regulators and lubricators. Five lube oil-dispersing points are located in the Truck and Heavy Repair Shops.

The Contractor's duties shall include the complete maintenance and repair of the Car Lubrication System, including all piping, valving, pumps airline equipment, pneumatic sump pumps, valving, air filter/regulators and gratings. The pneumatic sump pumps are feed by the Main Repair Shop Compressed Air System. An interlocked solenoid valve is installed on the main air supply to all of the oil collection pumps and secures the Compressed air supply to prevent overflow of the Facility waste oil storage tank. Eight mobile oil collection containers have also been provided, one for each collection sump. The oil collection sump pumps transport the used oil to the used oil storage tank. The System is also equipped with a leak detection sub-system, a remote level indicator and various alarms and gauges. Two of the System's oil collection sumps are located in the Blowdown Facility. The remaining six units are installed in the Running Repair/Inspection area of the Main Repair Shop adjacent to Tracks 6 and 7.

The Contractor's duties shall include complete maintenance of the Waste Oil Collection System including, but not limited to, all collection points, carts, pumps, grating, air piping, valves, filters, regulators, the used oil collection storage tank, alarms, control circuits, solenoids, indication devised and hardware. Whenever removal of waste oil is required, the Contractor shall comply with such directives as may be issued by PATH for such removals, including coordination with PATH's waste oil collection contractor, any required oil sampling testing laboratory, or other Port Authority/PATH units involved with the control, monitoring or disposal of waste oil.

4. **CRANE SYSTEM** – The Heavy Repair and the Truck Shop areas of the Main Repair Shop are equipped with various types of overhead cranes. The equipment items for all of the cranes have been manufactured by Kranco of Dallas, Texas. The cranes currently in operation at the facility include the following: two 35 ton, Kranco Cranes; two 10 ton bridge cranes located in the Truck Shop area; three 2 ton bridge cranes located in the Motor Shop, A/C Shop and Compressor Shop; two 3 ton bridge cranes located in the Machine Shop and Wheel and Axle Shop; two 2 ton Jib cranes; two 1 ton Jib cranes; one ½ ton Jib crane, one 1 ton Monorail Crane and a ¼ ton Groebel Coffing Crane in the Wheel Truing Shop.

The Contractor's duties shall include limited preventive maintenance using established periodic maintenance routines including but not limited to, lubrication, service and repair of the crane mechanisms, motor controllers, safety, alarm and control circuits. In addition, the Contractor may be called upon to perform minor repairs as determined by the Superintendent or his designee.

5. **BLOWDOWN FACILITY** – In addition to the basis mechanical systems provided for the Blowdown Facility, certain auxiliary systems have been installed within the Blowdown Facility to facilitate the cleaning of rail cars. Among these systems are the High Pressure Washer Sub-System, the electric boiler used to supply hot water for the Blowdown Facility High Pressure Washer System. The boiler is powered by a 480 volt,

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three phase branch circuit at 180 amperes for a 90 KW rating. The boiler feeds the Blowdown Facility High Pressure Washer sub-system, consisting of a Kleenline high-pressure washer. The washer sub-system will pressurized water, together with pumped detergent from a 100 gallon storage tank to each of the Blowdown Facility's four remote cleaning stations.

To facilitate use of the cleaning equipment installed in the Blowdown Facility, compressed air hose reels, a Central Vacuum System and a Breathing Air sub-system are also installed. There are eight hose reel locations. For each compressed air hose reel location, a vacuum line hose quick connection is provided for collecting air-borne dust particles to the Vacuum System cyclone dust separator. Vacuum is produced by the Vacuum System Vacuum Producer and associated filter. The Breathing Air Sub-System includes a compressed air purifier manufactured by Ingersoll Rand and a carbon monoxide monitor manufactured by Nine Safety Appliances. The Contractor's duties shall include limited inspection, repair and maintenance of the Blowdown Facility, including but not limited to the High Pressure Washer Sub-System, the compressed air hose reels, the Air Conditioning Evaporator Vacuum Sub-System, the Breathing Air Sub-System, those portions of the Car Lubrication and Waste oil collection systems installed in the Blowdown Facility, as well as the other mechanical, fire protection, electrical and plumbing systems made part of the Blowdown Facility.

6. WASTE OIL COLLECTION SYSTEMS – To facilitate the maintenance of rail car truck and air compressor lubrication, the Main Repair Shop has been equipped with a waste oil collection and storage system. The complete system includes six collection sumps together with pneumatic sump pump, valving, air filter regulators and gratings. The pneumatic sump pumps are fed by the Main Repair Shop Compressed Air System. An interlocked solenoid valve is installed on the main air supply to all of the oil collection pumps and secures the compressed air supply to prevent overflow of the Facility waste oil storage tank, eight mobile oil collection containers have also been provided one for each collection sump. The oil collection sump pumps transport the used oil to the used oil storage tank. The System is also equipped with a leak detection sub-system, a remote level indicator and various alarms and gauges. The units are installed in the Sprinkler Room adjacent to the Boiler Room & the oil distribution & waste oil collection room. The Contractor's duties shall include limited maintenance of the Waste Oil Collection System including, but not limited to, all collection points, carts, pumps, grating, air piping, valves, filters, regulators, the used oil collection storage tank, alarms, control circuits, solenoids, indicating devices and hardware. Whenever removal of waste oil is issued by PATH for such removals, including coordination with PATH's waste oil collection contractor, any required oil sampling or other Port Authority units involved with the control, monitoring or disposal of waste oil.
7. MISCELLANEOUS SYSTEMS - The Contractor shall also be responsible for maintenance of the following industrial systems: Main Repair Shop Distilled Water Systems, Compressed Air Plant, Facility truck cleaning systems, Facility agitating parts washer.

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- C. The Contractor shall monitor and administer and maintain all records for the various full or partial service contracts executed for the maintenance of the Industrial Shop Equipment and HVAC/Building Systems installed at the Facility and upon their expiration or termination, any subsequent or successor agreements entered into during the term of this contract.

The Contractor shall be responsible for all repairs and maintenance required to be performed by service contractors for the maintenance of the industrial equipment and systems at the Facility and shall provide such cooperation of said industrial equipment.

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1) Scope of Work #1 – HVAC, Mechanical and Plumbing Systems

The Contractor shall furnish and supply all labor, supervision, administration, tools, materials, supplies and equipment necessary or proper for the performance of the functions specified below for the satisfactory operation and maintenance of the heating, ventilating, air conditioning, mechanical and plumbing systems, including the daily operating checks outlined herein below and by the Roster of Routines.

- A. The operation and maintenance of the low-pressure steam boiler plant and all ancillary equipment, including three (3) Cleaver Brooks, four pass, up-draft, packaged boilers of 350 boiler Horsepower capacity each. Under nominal load conditions, one boiler will be on line with two boilers on stand-by. Each boiler is furnished with a combination #4 oil/natural gas burner.
- B. The operation and maintenance of all heating, ventilation and air conditioning systems, subsystems, components, associated pumps and all ancillary equipment, including but not limited to, heating and ventilating fan units cabinet and unit heaters, induction units, steam traps, expansion joints, piping supports, temperature, pressure and flow indicating devices. The heating, ventilating and air conditioning systems include the following air handling equipment:
- 1) The majority of the high-pressure units were manufactured and installed by Carrier Air Conditioning Co. Each unit includes a cooling coil, heating coil, vibration eliminators, steam grid humidifier, base pan, and fan sections. The units are supplied with access panels.
 - 2) The low velocity air conditioning units, manufactured by Carrier Air Conditioning Co., are installed as shown on the Reference Drawings. Each unit includes a condensate drain pan, a fan section, a cooling coil and a reheat coil. Condensate pans are stainless steel. The externally mounted, self-aligning pillow block and flange-type ball bearings were factory lubricated and include fittings for onsite lubrication. Cooling and heating coils are the cartridge type and are supported the entire length in tracks.
 - 3) Air handling units, manufactured by Carrier Air Conditioning Co., are installed as shown on the Reference Drawings. The remaining basic characteristics of the air-handling units are similar to the low velocity air conditioning units as described above.
 - 4) The air filters for the above-described air handling equipment consist of renewable media and replaceable cartridges. The renewable media section is of the horizontal type, utilizing glass fiber material of progressive density and progressive fiber diameter having a minimum depth of 2" when operating in the air stream. It consists of a 65' long roll of media installed in an enclosed casing with the filtering frame and re-rolled under compression into a dirty roll after it has accumulated its dust load. This automatic section includes a drive control consisting of a timer, which is the only adjustable feature to regulate the rate of media feed, and a manual advance switch, a media run-out switch, a media run-out indicating light, and a metering to regulate the

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amount of media fed. The replaceable cartridges are either pleated filters or bag type filters that must be a minimum of 40% and 80% efficient at a minimum.

- C. The operation and maintenance of all plumbing systems and ancillary equipment including:
- 1) Sanitary drainage and venting systems including all sewage ejectors and sump pump assemblies and pits.
 - 2) Storm drainage systems, which convey storm water from roof drains, area and trench drains, terrace drains, various sumps, plenum drains, oil interceptors for the bus terminal drainage system and heliport drainage system, and all related pumping equipment.
 - 3) Domestic hot and coldwater distribution system with connections to all fixtures and equipment requiring hot water including water service connections, house pumps and water heaters, and plumbing fixtures.
 - 4) Domestic hot water distribution systems with connections to all fixtures and equipment requiring hot water including water heaters, exhaust ducting and breaching, etc. Various domestic hot water recirculation systems complete with hot water circulating pumps, balancing rigs, etc.
 - 5) All oil storage tanks (including two (2) diesel fuel), related pumping equipment, strainers, valves, gauges, piping and hose connections and miscellaneous equipment.
- D. The operation and maintenance of the complete gas distribution system including the connections to all gas fixtures and equipment, gas service connections, gas metering equipment, etc.
- E. The operation and maintenance of all heat tracing elements and related controls on piping systems located outside heated areas.
- F. The operation and maintenance of all controls and interlocking control wiring, including but not limited to, freeze protection devices and connections, filter advance mechanisms and electrical components, indicator lights and internal fan equipment lighting.
- G. The maintenance of inertia and vibration isolation equipment and structural support connections.
- H. The operation and maintenance of the boiler feeder water treatment and pumping systems and make-up water conditioning system.
- I. The Contractor shall be compensated for all material on a net cost basis excluding the following:

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- 1) Fan belts
- 2) All lubricants
- 3) Gaskets
- 4) Filters

Rollmatic

| <u>Quantity</u> | <u>Size</u> | <u>Bag Type (minimum 80% efficiency)</u> |
|-----------------|-------------|--|
| 7 | 60" X 27" | |
| 1 | 60" X 48" | |
| 1 | 72" X 27" | 70 |
| Deep | | 24" X 24" X 29" |
| 1 | 72" X 36" | |
| Deep | | |
| 1 | 72" X 60" | |
| 1 | 96" X 36" | BiFold Pleated (minimum 40% efficiency) |
| 1 | 96" X 60" | |
| 1 | 108" X 48" | <u>Quantity</u> |
| 1 | 108" X 72" | 12 |
| 1 | 132" X 60" | 13 |
| 1 | 156" X 72" | 4 |
| 1 | 168" X 72" | 3 |
| | | <u>Size</u> |
| | | 20 X 30 X 2 |
| | | 19-1/2 X 34 X 1 |
| | | 15-1/2 X 28 X 1 |
| | | 23 X 41 - 1/4 X 1 |

DAILY OPERATING CHECKS

- J. The Contractor shall perform and record the following tests, checks, readings, and operations at a minimum frequency of one (1) shift per day, except as noted:
1. Check all operations in machining rooms, boiler room and at cooling towers.
 2. Check for excessive heat, noise or vibration on all operating fans, pumps, motors, and reciprocating and/or rotary devices.
 3. Check water levels in expansion tanks and bleed as required.
 4. Check pressure drop across air filters, if readings are high, take corrective action.
 5. Inspect all controls for proper operation of equipment and report discrepancies to Superintendent.
 6. Boiler inspection shall include:
 - a) Observe nozzle, diffuser and ignition through front peep for cleanliness, drips, etc.

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- b) Check appearance of fire. Check linkages to be sure they have not moved from their proper station.
 - c) Observe pressures and temperatures of all operating systems and equipment.
 - d) Check all boiler auxiliary equipment and associated piping for leaks, vibration, operating levels, pressure and temperatures and the proper operation of safety devices. Blow down air receivers and air coolers.
 - e) Blow down water column and low water cutoff.
 - f) Blow down boiler.
 - g) Observe storage tank fuel levels and take corrective action if fuel level is low.
 - h) Wipe burner assembly clean.
 - i) General housekeeping of boiler room.
7. Check and record as may be directed by the Superintendent all refrigeration, and centrifugal chilled water production machinery meter and gauge readings and make necessary adjustments.
8. Perform the water treatment program requirements including the sampling of water from the steam production equipment (boiler & condensate return systems), and cooling tower system. Add chemicals as needed.
9. Perform any maintenance work as directed by the Superintendent.
10. Be available and respond to HVAC complaints from the Superintendent.
11. Spot relamp machine rooms as necessary.
12. Check all pumps for proper operation, adjust packing glands, if required.
13. Note any unusual items; correct and/or notify the Superintendent, as required.
14. The Contractor shall establish written procedure together with suitable record-keeping form(s), both acceptable to the Superintendent, to assure the performance of the above defined operating responsibilities. All approved records documenting the operational functions completed by the Contractor's personnel shall be furnished to the Superintendent on a timely basis as may be directed by the Superintendent or designated PATH management staff. A daily log of all operating checks shall be maintained by the Contractor's Maintenance Administrator and made available for review on request.

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2) Scope of Work #2 – Chilled Water Production Machinery

The Contractor shall furnish and supply all labor, supervision, administration, tools, materials, supplies and equipment (except as may be provided otherwise (herein), necessary, proper, or desirable for the efficient operation and maintenance of the chilled water production machinery including the daily operating checks described in Scope of Work #1 and as required by the Roster of Routines. A contract currently in effect shall be administered by the Contractor for this equipment.

A. The operation and maintenance of the refrigeration system including one absorption chiller machine two electric chillers, cooling tower, chilled water pumps, condenser water pumps, and all ancillary pumps, equipment and piping. The refrigeration system includes the following equipment:

- 1) The JSTC chilled water production system includes two (2) York VFD chillers of nominal capacity of 400 tons refrigerating effect, one (1) York centrifugal constant speed chiller model with a nominal capacity of 400 tons refrigeration effect. Under nominal load conditions, one chiller will be "on line" with two chillers on "stand-by".
- 2) Each chiller is supplied with a control panel which includes a multi-tap control voltage transformer, machine pump starters, ambient compensated three-phase overload protection, fused disconnect, key locked control panel door and safety controls.
- 3) The electric centrifugal chillers are equipped with automatic controls for safety related shutdown of the chillers due to certain malfunctions and also provides the capability to adjust the refrigeration load of each machine.
- 4) The two (2) cooling towers were manufactured by Baltimore Air Coil Model #VXT800 and are capable of cooling 1970 GPM of water from 104.3 F. to 85. F. with 78 F. wet bulb air entering the tower. Each cooling tower is comprised of two cells.
- 5) The connection outlets for condenser water return are at the bottom, covered by combination suction filters and cavitation eliminators made of stainless steel. The screen assemblies are removable for cleaning. Low velocity sediment traps are built into the sumps. Twenty-two (22) inch diameters, stainless steel access doors are provided for entry and full access into the entire bottom sections of the towers.
- 6) The cooling tower fan wheels and housings are constructed of stainless steel. The housings are of two-piece construction to allow removal of a complete fan rotor assembly, while providing a means of completely inspecting each fan in place. Fan shafts, drive guards and inlet screens are all stainless steel.
- 7) The cooling towers main spray headers and branches are stainless steel with ceramic, self-cleaning nozzles. Nozzles are the quick removal, bayonet type, not requiring special tools for removal or re-installation. Four-inch diameter cleanout connections are

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provided for each main header. Branch headers are self-cleaning through the large orifice nozzles.

B. The supervision and administration of the agreement that is presently in effect with Carrier Corporation (Maintenance Contract No. 206A80519) and upon its expiration or termination, any subsequent agreement that will be entered into with Carrier or its successors as approved by PATH. The services to be provided by the sub-contractor Carrier for maintenance of the JSTC Chilled Water Production Machinery include the following:

- 1) Perform a minimum of seven scheduled inspections per year.
- 2) Furnish all labor, replacement parts, refrigerant, lithium bromide and supplies.
- 3) Furnish emergency service between scheduled inspections.
- 4) Lubricate and adjust equipment as required.
- 5) Paint the equipment as required to protect from deterioration.
- 6) Brush the condenser tubes, if required, but not more than once per year.
- 7) Brush the chilled water tubes, if required, but not more than once every three years.
- 8) Brush the absorber tubes, if required, but not more than once every three years.
- 9) Instruct the Contractor's personnel in the proper operation of the equipment.
- 10) Maintain the following items relating to the Carrier Equipment:
 - (a) Electric wiring between the starters and respective motors.
 - (b) Refrigerant piping between equipment
 - (c) Insulation surrounding the refrigerant piping and equipment.
 - (d) All pressure and temperature controls, thermometers, gauges, dampers, steam traps, control devices and thermostats located on this equipment.
 - (e) Starters.
 - (f) Other maintenance services required for centrifugal chillers listed in the standard Carrier maintenance manuals in effect.

C. In addition to monitoring HVAC equipment contract, the Contractor shall implement and perform the following functions and requirements:

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- 1) The Contractor's Maintenance Administrator shall be authorized to receive Carrier's recommendations in the operation of the equipment. These recommendations will be immediately transmitted to the CMS.
- 2) Operation of the York equipment by the Contractor's personnel shall be in accordance with Carrier's instructions and manuals.
- 3) The Contractor shall provide treatment to input water to the York equipment directed by the Chemical Treatment Contractor. Any change in the usual operating conditions shall be communicated immediately by the Contractor's personnel to Carrier and the Superintendent. Water treatment shall be performed in accordance with the water treatment program as more fully discussed in appropriate Scope of Work #5.
- 4) The Contractor shall maintain the equipment rooms and spaces free from extraneous material.
- 5) The Contractor shall move any stock, fixtures, walls or partitions to facilitate Carrier's servicing of their equipment.
- 6) The Contractor shall provide the HVAC contract personnel access to the shop facilities and building services.
- 7) The Contractor shall permit only the HVAC contract personnel to perform any work on the A/C equipment.
- 8) The Contractor shall make no modifications or additions to the A/C equipment.
- 9) The Contractor shall start/stop the HVAC equipment on a daily basis or as may be directed by the Superintendent.
- 10) The Contractor shall have the responsibility of maintaining room conditions as well as overall system performance, except for the absorption refrigeration machine maintenance.
- 11) The Contractor shall change or clean the air filters.
- 12) The Contractor shall maintain the piping, except for the refrigerant piping.
- 13) The Contractor shall maintain the air distribution systems, including the ductwork and fan casings.
- 14) The Contractor shall be responsible for damage due to freezing weather.
- 15) The Contractor shall provide protection from corrosion, erosion, damage from water, brine steam, etc., except when specifically the fault of Carrier.

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- 16) The Contractor shall maintain the electrical input to the equipment, including the disconnect switches and circuit breakers.

2. Scope of Work #3 – Automatic Temperature Control Systems

The Contractor shall furnish and supply all labor, supervision, administration, small tools, materials, and equipment, except as otherwise provided for herein under this Contract, as may be necessary or proper for the satisfactory operation of the Allerton Direct Digital and Johnson Control Metasys Control Systems, including the daily operating checks outlined in the Scope of Work #1.

- A. The operation and maintenance of the automatic temperature control systems, HVAC pneumatic and electric controls; alarms on HVAC equipment, boilers, sump pumps, elevators and escalators and the fire and other alarm controls including all transducers, sensing devices, operating devices, dampers, control valves, pneumatic controls, air compressors, air filters, dryers and all associated components, subsystems and systems.
- B. The maintenance, stock keeping, storage at JSTC of such new parts, materials, tools and other equipment as may be necessary to ensure the replacement of worn parts within a twenty-four hour period from the time of report of a malfunction. Replacement or repair of detective airlines, control and electrical wiring, traps and filters and any damage from corrosion are excluded from the service contract for these items. The Contractor shall be specifically responsible for providing these materials and services.
- C. The supervision of the agreement that is presently in effect with the Johnson Controls, Inc. (Purchase Order #4500044540) and, upon its expiration or termination, any subsequent agreement entered into with Johnson or its successor as approved by PATH. The services to be provided such service contractor, include the furnishing of labor, materials, and services for Johnson Temperature and Humidity Controls Pneumatic Control Systems and Johnson Control Centers.
- D. In addition to the Contractor's supervision of the PATH contract for the Johnson Controls, the Contractor shall supervise the Contractor's performance of and complete as necessary the attached Roster of Routines, which describes the various activities under this Scope of Work. If any of these routines conflict with the procedures provided under the Johnson Controls maintenance contract the Contractor shall review with the Superintendent or his designee all revised procedures to be implemented.
- E. The Contractor shall perform the following specific functions as related to the supervision of the Johnson Controls Contract:
- 1) The Contractor shall provide staff of the contractor servicing the Johnson Controls, or any updated system, reasonable access to all areas that are higher than ten (10) feet above the floor. This access shall include the furnishing of ladders, platforms and/or scaffolding as required.

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- 2) The Contractor shall remove obstructions or obstacles that impede the Johnson Controls Maintenance Contractor's staff in their performance of their maintenance functions.
- 3) As directed by the Superintendent the Contractor shall provide "stand-by" labor as indicated in the Johnson Controls contract.
- 4) The Contractor shall remove and reinstall all malfunctioning pneumatic control valves for repair or overhaul by the maintenance contractor. In addition the Contractor shall replace all damaged carpeting and ceiling finishes damaged as a result of malfunctioning or leaking manual and pneumatic control valves.

4. Scope of Work #4 – Fire Protection Systems

The Contractor shall furnish and supply all labor, supervision, administration, tools, equipment, supplies and materials, except as may be provided otherwise herein, necessary or proper for the operation and maintenance of the JSTC fire protection and sprinkler systems including the functions specified below and the appropriate Roster of Routines.

- A. The operation and maintenance of the complete fire standpipe and sprinkler systems for the JSTC Administrative building, the Bus Terminal and both automobile parking levels, including but not limited to, all piping, risers, valves, pipe heating cables, pumps and associated controllers, fire hoses and hose racks, Siamese connections and associated check valves, water meters and water service equipment, drains and condensation collection devices, and ancillary equipment.
- B. The operation and maintenance of the complete dry pipe sprinkler system for the bus terminal and automobile parking levels and the complete wet pipe sprinkler system for the concourse, office tower and all ancillary equipment and service connections, including all piping, pipe hangers, pipe supports, sprinkler heads, valves, including alarm check valves and dry pipe valves, seals, signs, tags, and all tests required by the Superintendent.
- C. The operation and maintenance of all heat tracing elements and related controls on piping systems located outside heated areas. Operation and maintenance of all drip drums on dry sprinklers shall increase as required during winter months.
- D. The operation and maintenance of all controls and interlocking control wiring and excepting those services provided for by PATH's subcontract for maintenance of the JSTC smoke detection and alarm signaling systems. The Contractor's management, operating and maintenance personnel shall interface with the subcontractor responsible for the aforementioned smoke detection and fire alarm signaling systems as necessary to assure proper operation of fire protections systems. This shall include but not be limited to any chemical extinguishing systems on site.
- E. The inspection, recharging and replacement of all portable and semi-portable fire extinguishing equipment required for facility operations but exclusive of similar equipment utilized for other than facility operations by various PATH operating units. The cost of

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recharging, replacement and hydrostatic testing of fire extinguishing equipment shall be done by the Contractor. A log shall be maintained on-site to indicate frequency of testing and charging of portable extinguishing units.

- F. The Contractor shall record all data relating to the maintenance of the machinery and equipment, and administer the maintenance program related thereto, including the preparation of appropriate Equipment Record Card forms, as illustrated in the appendices of this contract.
- G. Prepare and submit reports as directed by the Superintendent; stating the condition of all equipment along with any recommendations for corrective actions relative thereto which would improve the reliability, decrease maintenance and operating cost, or result in energy conservation.
- H. The Contractor shall maintain a sufficient quantity of specialized tools and replacement parts on site for the maintenance of the JSTC fire protection systems to include but not limited to spanners, wrenches, sprinkler heads of the proper temperature and type, fire hoses, Siamese connections and check valve components. The Contractor shall submit to the Superintendent or Chief Maintenance Supervisor a listing of all such equipment and supplies together with their location.
- I. Replacement of all sprinkler or fire standpipe piping caused by deterioration or damaged due to freezing shall be considered as included in the Contractor's responsibilities and shall be performed by the Contractor at no additional cost to PATH.

5. Scope of Work #5 – Water Treatment

- A. The Contractor shall carry out the comprehensive water treatment program for the mechanical systems at JSTC and shall supply the labor, supervision, administration, and equipment necessary and proper for the satisfactory performance of said program to include, but not limited to, the functions specified below. The program shall be monitored by and provided with chemicals through a Port Authority/PATH multi-facility contract.
 - 1) The operation and maintenance of the water treatment system for the condenser water, chilled water and hot water heating systems, and the steam boilers.
 - 2) *The Contractor will be provided with the technical services of a qualified water treatment consultant under a Port Authority/PATH multi-facility contract approved by the Superintendent. The consultant will review the Contractor's water treatment program and provide periodic reports not less than every month on said program along with any revisions to the Contractor's procedures.*
 - 3) The Contractor shall take water samples on a daily basis for the inlet water to the boilers and for the closed water systems at not more than every two day intervals and shall furnish the Superintendent or Chief Maintenance Supervisor on a periodic basis not less

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than once each month a written report of his findings and recommendations, highlighting any unusual determinations.

B. PATH will supply and pay for all the materials for the water treatment.

6. Scope of Work #6 – Electrical Systems

The Contractor shall furnish and supply all labor, materials, supplies, tools and equipment and administration necessary and proper for the performance of the functions and item specified below for the electrical systems.

- A. The operation and maintenance of the Facility electrical power distribution system: e.g., 460/265 and 208/120 volt systems and systems utilizing other voltage levels, including but not limited to all overcurrent protection devices, wiring, conduit systems, switchgear, energy control and monitoring devices.
- B. Operation and maintenance of the two emergency diesel engine electric generators, the emergency electrical distribution system, auto transfer switches and related controls.
- C. Operation and maintenance of all electric motors and controllers for the following:
 - 1) Heating, ventilating and air conditioning systems including fan motors and filter advance mechanisms and controls.
 - 2) Fire pumps
 - 3) Domestic Water pumps
 - 4) Mechanical systems
 - 5) Miscellaneous motors
- D. Operation and maintenance of all infrared heaters and controls including those installed on the Fare Zone Level of JSTC.
- E. Operation and maintenance of miscellaneous systems including but not limited to aviation obstruction lighting (helicopter warning lights) illuminated signs and directories, column-mounted interior and exterior signs, lightning protectors and all miscellaneous electrical systems.
- F. Relocation and installation of electrical branch and feeder wiring circuits and termination devices, lighting fixtures and other types of electrical consumption devices.
- G. Relocation and installation of computer cabling for PATH's teleprocessing equipment, terminals and output devices.
- H. Operation and maintenance and relamping of all electrical lighting systems in accordance with the Roster of Routines and the furnishing and installation of the fluorescent lamps, including those contained in workstations, and ballast's as required to correct lighting fixture malfunctions. Relamping and cleaning of incandescent, high intensity discharge and

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fluorescent lighting fixtures shall be in accordance with the Roster of Routines. All other relamping shall be performed on a spot basis. Spot relamping shall be completed within one day of notification to the Contractor for interior areas or one week for exterior areas, unless otherwise permitted by the Superintendent. All relamping shall be performed at hours when it will not interfere with the normal operation of JSTC.

- I. The Contractor shall perform all non-routine electrical maintenance and installation activities, in addition to routine activities, as directed by the Superintendent. While performing repair work, the Contractor shall determine the cause necessitating such repair. If the breakdown was not caused by a breakdown in the electrical system, but results from other defects e.g., leaks, improper insulation, excessive heat or moisture etc., before continuing repairs, he is to report such finding to the Superintendent and shall additionally take such precautions as may be necessary to protect all personnel from unsafe conditions.
- J. In addition to the prescribed Fire Protection System operation and maintenance requirements, all fire protection signaling circuits shall be checked monthly by activating the different device on each circuit every month. The Contractor shall interface with the subcontractor performing service of the JSTC fire alarm and signaling system and shall assure that each such circuit has been satisfactorily tested

7. Scope of Work #7 – General Utility Maintenance

The Contractor shall furnish and supply the labor, supervision, materials, equipment, supplies and administration necessary or proper for general utility maintenance and repair at the Journal Square Transportation. The Contractor, as directed by the Superintendent, shall also provide a variety of services in the mechanical, plumbing, electrical, structural and general utility areas. Such assistance, repairs and service shall include but not be limited to the following:

- A. Disassemble, relocate and reassemble all facility office partitions, including telephone, power and office automation connectors and restoration of all surfaces to an acceptable condition.
- B. Repair and/or replace defective hardware, including but not limited to door hinges and closers. If required by the Superintendent, overhaul of door closers by authorized service vendors shall be arranged by the contractor on a net cost basis.
- C. Remove and replace defective ceramic and resilient flooring materials, including vinyl type, quarry and mosaic tile. All carpet tile repairs and repairs of a "minor" nature, shall be made by the Contractor as part of this Scope of Work.
- D. Repair and maintain all finished woodwork, including wooden doors, handrails, wood caps, shower benches and wood trim.
- E. Remove and replace broken glass and mirrors located at JSTC Office tower and consumer space (windows excepted).

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- F. Repair damaged banisters. Refinishing of banisters shall be as required.
- G. Refinish interior surfaces, as required and repaint mechanical and electrical equipment, piping, and surfaces, as required.
- H. Repair and maintain all vinyl painted and tile wall surfaces.
- I. Repair and/or refinish terrazzo surfaces.
- J. Repair and/or replace acoustical ceiling materials including ceiling tiles, grid work and hangars.
- K. Repair and/or refinish all aluminum surfaces, soffits, covers and trim.
- L. Switch on, off or reverse direction of all escalators.
- M. Erect barriers and rope off areas as required or as directed by the Superintendent.
- N. Upon request, uncrate materials received by PATH.
- O. Set up holiday and special event displays, signs and posters.
- P. Maintain all flagpoles and halyards.
- Q. Repair damaged roadways, ramps, bus platforms and parking levels as required.
- R. Perform plumbing repairs as directed by the Superintendent, including repairs required in all restrooms and toilet areas.
- S. Maintain a current reference and knowledge of the location of all electrical switches and circuit breakers and plumbing shutoffs and valves.
- T. Maintain and operate trash compactor.
- U. During inclement weather, install safety matting as required.
- V. Maintain and repair sanitary napkin dispensers and disposals.
- W. Log utility meter readings once a month.
- X. The repair of any miscellaneous concrete items such as sidewalks, concrete decks, columns, etc., due to chipping, cracking or spalling.
- Y. Maintenance and repair of all interior and exterior expansion joints and appurtenances.

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- Z. The repair of damaged architectural precast units, including patching to match existing finish.
- AA. Maintenance and repair masonry, including brick, concrete block and granite block.
- BB. Maintenance and repair of all miscellaneous and ornamental metal items, including chain link fences, steel ladders, deck drains, aluminum louvers, grilles and panels, guard rails, corner guards, crash barriers, fascias, soffits, and skirt panels.
- CC. The maintenance and repair of doors, including hollow metal doors, glass entrance doors, aluminum doors and aluminum roll up doors.
- DD. Maintenance and repair of all stairways, including masonry stair treads, risers and landings and metal safety treads.
- EE. Maintenance and repair of all roof drains, expansion joints, gutters, down spouts and skylights.
- FF. Maintenance and repair all roofing, waterproofing and weatherproofing items, including weather-stripping.
- GG. Maintain miscellaneous caulking including but not limited to, all horizontal and vertical control and construction joints.
- HH. Snow removal operations in extreme circumstances.

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|---------------|-----------|
| ACCU-02 | 12 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & ROOF COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACCU-03 | 13 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & ROOF COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACCU-04 | 14 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & ROOF COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACCU-05 | 15 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & ROOF COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACCU-06 | 16 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & ROOF COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACCU-07 | 17 | 4y | 1 | 1 | 1.) INSPECT FAN MOTOR & ROOF COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACCU-08 | 18 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & SUBSTATION COMPRESSOR FOR PROPER OPERATION. 2.) CLEAN CONDENSER COILS. | ROOF | |
| ACH-01 | 19 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #9 DURING THE HEATING WEST SEASON. | TRACK #9 WEST | |
| ACH-01 | 45 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #9 PREMIUM GREASE) 2.) CHANGE WEST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #9 WEST | |
| ACH-02 | 20 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #8 DURING THE HEATING WEST SEASON. | TRACK #8 WEST | |
| ACH-02 | 46 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #8 PREMIUM GREASE) 2.) CHANGE WEST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #8 WEST | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|---------------|-----------|
| ACH-03 | 47 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #7 PREMIUM GREASE) 2.) CHANGE WEST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #7 WEST | |
| ACH-03 | 23 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #7 DURING THE HEATING WEST SEASON. | TRACK #7 WEST | |
| ACH-04 | 24 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #6 DURING THE HEATING WEST SEASON. | TRACK #6 WEST | |
| ACH-04 | 48 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #6 PREMIUM GREASE) 2.) CHANGE WEST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #6 WEST | |
| ACH-05 | 25 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #5 DURING THE HEATING WEST SEASON. | TRACK #5 WEST | |
| ACH-05 | 49 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #5 PREMIUM GREASE) 2.) CHANGE WEST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #5 WEST | |
| ACH-06 | 26 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #5 DURING THE HEATING EAST SEASON. | TRACK #5 EAST | |
| ACH-06 | 50 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #5 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #5 EAST | |
| ACH-07 | 27 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #6 DURING THE HEATING EAST SEASON. | TRACK #6 EAST | |
| ACH-07 | 51 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #6 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #6 EAST | |
| ACH-08 | 28 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #7 DURING THE HEATING EAST SEASON. | TRACK #7 EAST | |
| ACH-08 | 52 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #7 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #7 EAST | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------------|-----------|
| ACH-09 | 53 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #8 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #8 EAST | |
| ACH-09 | 29 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #8 DURING THE HEATING EAST SEASON. | TRACK #8 EAST | |
| ACH-09 | 54 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #8 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #8 EAST | |
| ACH-10 | 55 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #9 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #9 EAST | |
| ACH-10 | 30 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #9 DURING THE HEATING EAST SEASON. | TRACK #9 EAST | |
| ACH-11 | 31 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #10 DURING THE HEATING SEASON | TRACK #10 EAST | |
| ACH-11 | 56 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #10 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #10 EAST | |
| ACH-12 | 32 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #11 DURING THE HEATING EAST SEASON. | TRACK #11 EAST | |
| ACH-12 | 57 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #11 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #11 EAST | |
| ACH-13 | 34 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #12 DURING THE HEATING EAST SEASON. | TRACK #12 EAST | |
| ACH-13 | 58 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #12 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #12 EAST | |
| ACH-14 | 35 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #13 DURING THE HEATING EAST SEASON. | TRACK #13 EAST | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------------|-----------|
| ACH-14 | 59 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #13 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #13 EAST | |
| ACH-15 | 36 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #14 DURING THE HEATING EAST SEASON. | TRACK #14 EAST | |
| ACH-15 | 60 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #14 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #14 EAST | |
| ACH-16 | 37 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS DELIVERY DURING THE HEATING TRACK SEASON. | DELIVERY TRACK | |
| ACH-16 | 61 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 DELIVERY PREMIUM GREASE) 2.) CHANGE TRACK ALL AIR FILTERS. 3.) CLEAN COIL. | DELIVERY TRACK | |
| ACH-17 | 62 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #15 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #15 EAST | |
| ACH-17 | 38 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #15 DURING THE HEATING EAST SEASON. | TRACK #15 EAST | |
| ACH-18 | 39 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS TRACK #16 DURING THE HEATING EAST SEASON. | TRACK #16 EAST | |
| ACH-18 | 63 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 TRACK #16 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL. | TRACK #16 EAST | |
| ACH-19 | 40 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS STOCKROOM DURING THE HEATING DOOR #E SEASON. | STOCKROOM | |
| ACH-19 | 64 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 STOCKROOM PREMIUM GREASE) 2.) CHANGE DOOR #E ALL AIR FILTERS. 3.) CLEAN COIL. | #2 STOCKROOM | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|--------------|-----------|
| ACH-20 | 41 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS STOCKROOM DURINGTHE HEATINGDOOR #D SEASON. | STOCKROOM | |
| ACH-20 | 65 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2STOCKROOM PREMIUM GREASE) 2.) CHANGE DOOR #D ALL AIR FILTERS. 3.) CLEAN COIL. | #2 STOCKROOM | |
| ACH-21 | 42 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS STOCKROOM DURINGTHE HEATINGDOOR #C SEASON. | STOCKROOM | |
| ACH-21 | 66 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2STOCKROOM PREMIUM GREASE) 2.) CHANGE DOOR #C ALL AIR FILTERS. 3.) CLEAN COIL. | #2 STOCKROOM | |
| ACH-22 | 43 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS STOCKROOM DURINGTHE HEATINGDOOR #B SEASON. | STOCKROOM | |
| ACH-22 | 67 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2STOCKROOM PREMIUM GREASE) 2.) CHANGE DOOR #B ALL AIR FILTERS. 3.) CLEAN COIL. | #2 STOCKROOM | |
| ACH-23 | 44 | 6y-W | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS STOCKROOM DURINGTHE HEATINGDOOR #A SEASON. | STOCKROOM | |
| ACH-23 | 68 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2STOCKROOM PREMIUM GREASE) 2.) CHANGE DOOR #A ALL AIR FILTERS. 3.) CLEAN COIL. | #2 STOCKROOM | |
| ACH-24 | 3025 | 6y | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS WHEEL DURINGTHE HEATINGTRUING BLDG SEASON. EAST | WHEEL TRUING | |
| ACH-24 | 3027 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2WHEEL PREMIUM GREASE) 2.) CHANGE TRUING BLDG ALL AIR FILTERS. 3.) CLEAN EAST COIL. | WHEEL TRUING | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------------|-----------|
| ACH-25 | 3026 | 6y | 1 | 0.5 | 1.) VISUALLY INSPECT FILTERS WHEEL DURING THE HEATING TRUING BLDG SEASON. WEST | WHEEL TRUING | |
| ACH-25 | 3028 | 1y | 1 | 1 | 1.) REGREASE MOTOR. (#2 WHEEL PREMIUM GREASE) 2.) CHANGE TRUING BLDG ALL AIR FILTERS. 3.) CLEAN WEST COIL. | WHEEL TRUING | |
| ACU-01 | 69 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) MECH. INSPECT DAMPER & OPERATION PLTRM H-27 LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | MECH. PLATFORM | |
| ACU-01 | 79 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS AND MECH. DRAIN PAN. CLEAN DOWN ENTIRE PLTRM H-27 INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EXCES | MECH. PLATFORM | |
| ACU-02 | 70 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) MECH. INSPECT DAMPER & OPERATION PLTRM H-27 LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | MECH. PLATFORM | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------------|-----------|
| ACU-02 | 80 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS AND MECH. DRAIN PAN. CLEAN DOWN ENTIRE PLTFRM H-27 INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCES | MECH. PLATFORM | |
| ACU-03 | 71 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) MECH. INSPECT DAMPER & OPERATION PLTFRM H-27 LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | MECH. PLATFORM | |
| ACU-03 | 81 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS AND MECH. DRAIN PAN. CLEAN DOWN ENTIRE PLTFRM H-27 INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCES | MECH. PLATFORM | |
| ACU-04 | 82 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS AND U/M H-27 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCESSIVE NOIS | MECH. PLATFORM | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------------|-----------|
| ACU-04 | 72 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS.2.)U/M H-27 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | MECH. PLATFORM | |
| ACU-05 | 73 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS.2.)OFFICE M- INSPECT DAMPER & OPERATION 307 LINKAGE. 3.)GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | OFFICE M-307 | |
| ACU-05 | 83 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS ANDOFFICE M- DRAIN PAN. CLEAN DOWN ENTIRE 307 INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES. CHECK FOR EXCESSIVE | MECH. PLATFORM | |
| ACU-05 | 968 | 12y | 1 | 0.5 | 1.) CHANGE FILTER IN RETURN OFFICE M- CEILING DUCT. 307 | OFFICE M-307 | |
| ACU-06 | 71 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS.2.)AVC EQP H- INSPECT DAMPER & OPERATION 37 CTRL T LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| ACU-06 | 84 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS AND DRAIN PAN. CLEAN DOWN ENTIRE SHOP WALL INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EX | | |
| ACU-07 | 75 | 6y | 1 | 1.5 | 1.) REPLACE FILTERS. 2.) INSPECT DAMPER & OPERATOR LINKAGES. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. | | |
| ACU-07 | 85 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS AND DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES. CHECK FOR EXCESSIVE NOISE. | | |
| ACU-08 | 76 | 6y | 1 | 1 | 1.) REPLACE FILTERS. 2.) RLR/BRG INSPECT DAMPER & OPERATION SHOP WALL LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| ACU-08 | 86 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS AND RLR/BRG DRAIN PAN. CLEAN DOWN ENTIRE SHOP WALL INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EXCES | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| ACU-09 | 87 | 1y | 1 | 1.5 | 1.) CLEAN FAN WHEELS AND OF WALL DRAIN PAN. CLEAN DOWN ENTIRE HVY/RPR INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCESSI | | |
| ACU-09 | 77 | 6y | 1 | 1 | 1a.) REPLACE FILTERS. 2.) OF WALL INSPECT DAMPER & OPERATION HVY/RPR LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| ACU-10 | 78 | 6y | 1 | 1 | 1a.) REPLACE FILTERS. 2.) GUARD HOUSE INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| ACU-10 | 88 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS AND GUARD HOUSE DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EXCESSIVE N | | |
| ACU-5555 | 966 | 6y | 1 | 4 | 1.) INSPECT AND CLEAN SMOKE Special- See RE DETECTOR AIR SAMPLE INLET Reference FILTER TUBES ON ALL AIR HANDLE UNITS. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| AED-55 | 3023 | 2y | 1 | 2 | Change battery in AED Special-See Mp Cabinets (9volt) November & Reference June | | |
| AED-55 | 3022 | 12y | 1 | 2 | Monthly Inspection of AED's Special-See Mp (Defibrillators) Reference | | |
| APMP-01 | 89 | 4y | 1 | 1 | 1.) LUBRICATE PUMP MOTOR. 2.) TRACK #6 CHECK FOR OVERHEATING & WEST NOISE. | | |
| AQUA-01 | 90 | 6y | 1 | 1 | 1.) CLEAN OR REPLACE FILTER. BATTERY SHOP | | |
| AQUA-02 | 91 | 6y | 1 | 1 | 1.) CLEAN OR REPLACE FILTER. TRACK #6 WEST | | |
| AVC-01 | 1013 | 12y | 1 | 0.5 | CHECK FOR PROPER OPERATION, WELDING REPLACE FILTERS WHEN SHOP NECESSARY. | | |
| AVC-02 | 1014 | 12y | 1 | 0.5 | CHECK FOR PROPER OPERATION, TRACK #7 REPLACE FILTERS WHEN WEST NECESSARY. | | |
| AVC-03 | 1015 | 12y | 1 | 1 | CHECK FOR PROPER OPERATION, HEAVY REPLACE FILTERS WHEN REPAIR NECESSARY. | | |
| AXGR-01 | 94 | 3y | 1 | 1.5 | 1.) CLEAN LUBRICATION FILTER MACHINE F9. 10 2.) CLEAN HYDRAULIC SHOP FILTERS IF 1.5B & F1.7. | | |
| AXGR-01 | 92 | 2y | 1 | 1 | 1.) HAND PUMP 5 SHOTS OF MACHINE LUBRICATION INTO THE | | |
| AXGR-01 | 93 | 4y | 1 | 1 | 1.) CHECK LEVELNESS OF MACHINE MACHINE. 2.) CHECK HYDRAULIC SHOP FLUID LEVEL. 3.) CHECK COOLANT LEVEL & MIXTURE. | | |

**APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| BCH-01 | 95 | 4y | 1 | 0.75 | 1.) VISUALLY INSPECT ANDBATTERY CLEAN UNDER-NEATH AND ONSHOP TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |
| BCH-02 | 96 | 4y | 1 | 0.75 | 1.) VISUALLY INSPECT ANDBATTERY CLEAN UNDER-NEATH AND ONSHOP TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |
| BCH-03 | 97 | 4y | 1 | 0.75 | 1.) VISUALLY INSPECT ANDTRACK #14 CLEAN UNDER-NEATH AND ONEAST TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |
| BCH-04 | 98 | 4y | 1 | 0.75 | 1.) VISUALLY INSPECT ANDTRACK #9 CLEAN UNDER-NEATH AND ONEAST TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |
| BCH-05 | 99 | 4y | 1 | 0.5 | 1.) VISUALLY INSPECT ANDTRACKS #7 & CLEAN UNDER-NEATH AND ON#8 WEST TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |
| BCH-06 | 100 | 4y | 1 | 0.5 | 1.) VISUALLY INSPECT ANDSTOCKROOM CLEAN UNDER-NEATH AND ON TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| BCH-07 | 101 | 4y | 1 | 0.5 | 1.) VISUALLY INSPECT AND STOCK ROOM CLEAN UNDER-NEATH AND ON TOP OF CHARGER UNIT. 2.) VACUUM CLEAN INSIDE OF UNIT. 3.) INSPECT ALL ELECTRICAL CONNECTIONS. | | |
| BCH-08 | 1103 | 1w | 1 | 1 | Terminate any exiting charge TRACK #14 by pressing stop button, EAST disconnect battery, remove A/C power. Remove dust from cabinet walls, clear obstructions from ven louvers, check electrical connections, check cable and wires | | |
| BCH-08 | 1102 | 1w | 1 | 1 | Terminate any exiting charge TRACK #14 by pressing stop button, EAST disconnect battery, remove A/C power. Remove dust from cabinet walls, clear obstructions from ven louvers, check electrical connections, check cable and wires | | |
| BLR-01 | 1088 | 6y-W | 1 | 1 | COMBUSTION ANALYSIS ON STACK BLR RM OF BOILER #1 AND #2 - WINTER ONLY | | |
| BLR-01 | 102 | 1y | 2 | 80 | 1.) BEGIN PREPARATIONS FOR BLR RMUS ANNUAL INSPECTIONS | | |
| BLR-02 | 103 | 1y | 2 | 72 | 1.) BEGIN PREPARATIONS FOR BLR RMUS ANNUAL INSPECTIONS | | |
| BMS-01 | 104 | 4y | 1 | 1 | 1.) CHANGE HANKINSON FILTER, BLR RM 2.) CLEAN COMPRESSOR COIL. | | |
| BRP-01 | 1094 | 3y | 1 | 2 | CLEAN LUBE SYSTEM, PUMP MACHINE FILTER, DRAIN CLEAN, REFILL SHOP PNEUMATIC FILTER BULB. | | |
| BRP-01 | 1093 | 6y | 1 | 2 | CHECK PNEUMATIC LUBRICATOR MACHINE BULB, FILL IF NECESSARY. SHOP CLEAN INSIDE CONTROL CABINET. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| BRP-01 | 1092 | 12y | 1 | 3.5 | CHECK AIR FILTERS, REPLACE IF MACHINE NECESSARY. CHECK SPINDLE SHOP MOTOR FOR DIRT. CHECK SPINDLE DRIVE FOR WEAR. | | |
| BRP-01 | 1091 | 1w | 1 | 2 | 1) CHECK LUBE SYST OIL LEVEL, MACHINE COOLANT LEVEL, FILL IF SHOP NECESS. CLEAN WAY COVERS AND LIGHTLY OIL. CLEAN MACH. EXTERIOR, & CLEAR INTAKES AND EXHAUST. CLEAR DIRT CHIPS FROM WAYS. | | |
| CAD-01 | 696 | 12y | 1 | 1 | 1.) CLEAN CONDENSER COILS OF BLR RM ACCUMULATED DUST & DIRT WITH A SOFT BRUSH OR COMPRESSED AIR UNDER 30 PSI. 2.) DEPRESSURIZE THE DRYER. DISMANTLE & CLEAN THE SEPERATOR DRAIN TRAP. | | |
| CAD-01 | 694 | 1w | 1 | 1 | 1.) CHECK SEPARATOR FOR BLR RM CONDENSATE DISCHARGE. 2.) CLEAN THE SEPARATOR BOWL & DRAIN TRAP. INSP REFRIGERATION SYSTEM, CHECK FANS ON CONDENSOR. CHECK ELECTRICAL CONNECTIONS. COMPRESSOR. AND FAN MOTOR AMP READINGS CLEAN MACHINE ON ROOF AND BOILER RM. | | |
| CAD-02 | 697 | 12y | 1 | 1 | 1.) CLEAN CONDENSER COILS OF BLR RM ACCUMULATED DUST & DIRT WITH A SOFT BRUSH OR COMPRESSED AIR UNDER 30 PSI. 2.) DEPRESSURIZE THE DRYER. DISMANTLE & CLEAN THE SEPERATOR DRAIN TRAP. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| CAD-02 | 695 | 1w | 1 | 1 | 1.) CHECK SEPARATOR FOR BLR RM CONDENSATE DISCHARGE. 2.) CLEAN THE SEPARATOR BOWL & DRAIN TRAP. INSP REFERIGERATION SYSTEM, CHECK FANS ON CONDENSOR, CHECK ELECTRICAL CONNECTIONS. COMPRESSOR, AND FAN MOTOR AMP READINGS CLEAN MACHINE ON ROOF AND BOILER RM. | | |
| CAM-UNDR | 1101 | 12y | 1 | 2 | Lubricate Spindle Retracting MOTOR SHOP linkage, Spindle Mount Pivot Points using MPG2 oil. Lubricate Traverse gear motor using staput #591 on gears. Saturate felt pads with SAE #10 oil. DO NOT OIL BEARINGS | | |
| CAM-UNDR | 1100 | 1w | 1 | 2 | Lubricate tailstock sleeve, MOTOR SHOP Indexing, crossfeed slides using MPO 30 oil or SAE#30. Remove Chips and mica dust, clean carriage drive shaft. DO NOT OIL. | | |
| CH-01 | 105 | 4y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 1ST FLOOR BY COKE MACHINE | | |
| CH-01 | 109 | 1y | 1 | 0.75 | 1.) CLEAN FAN WHEELS. 2.) OIL 1ST FLOOR MOTOR WITH 16 DROPS PER BY COKE BEARING OF SAE #20 NON MACHINE DETERGENT OIL. ***** (DO NOT OVERLUBRICATE) ***** | | |
| CH-02 | 110 | 1y | 1 | 0.5 | 1.) CLEAN FAN WHEELS. 2.) OIL STAIRWELL C MOTOR WITH 16 DROPS PER BEARING OF SAE #20 NON DETERGENT OIL. ***** (DO NOT OVERLUBRICATE) ***** | | |
| CH-02 | 106 | 4y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. STAIRWELL C | | |
| CH-03 | 107 | 4y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. WESTSIDE VESTIBULE, OUTSIDE STAIRWAY C | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| CH-03 | 113 | 1y | 1 | 0.5 | 1.) CLEAN FAN WHEELS. 2.) OIL WESTSIDE MOTOR WITH 16 DROPS PER VESTIBULE, BEARING OF SAE #20 NON OUTSIDE DETERGENT OIL. ***** (DO STAIRWAY C NOT OVERLUBRICATE) ***** | | |
| CH-04 | 111 | 4y | 1 | 1.5 | 1.) INSPECT FAN MOTOR & VESTIBULE COMPRESSOR FOR PROPER OUTSIDE OPERATION. 2.) CLEAN | | |
| CH-04 | 108 | 4y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. VESTIBULE OUTSIDE RECEPTIONIST AREA | | |
| CH-04 | 112 | 1y | 1 | 0.5 | 1.) CLEAN FAN WHEELS. 2.) OIL VESTIBULE MOTOR WITH 16 DROPS PER OUTSIDE BEARING OF SAE #20 NON RECEPTIONIST DETERGENT OIL. ***** (DO T AREA NOT OVERLUBRICATE) ***** | | |
| CHST-01 | 130 | 1y | 2 | 2 | Visually inspect all TRACK #13 lubrication points for proper WEST fluid levels and replenish when necessary. | | |
| CHST-01 | 114 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #13 AND LIFT NUT. INSPECT GUIDE WEST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-01 | 122 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #13 & PILLOW BLOCKS FOR WEST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| CHST-02 | 115 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #13 AND LIFT NUT. INSPECT GUIDE EAST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-02 | 123 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #13 & PILLOW BLOCKS FOR EAST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS, ADD IF NECESS. | | |
| CHST-02 | 131 | 1y | 2 | 2 | Visually inspect all TRACK #13 lubrication points for proper EAST fluid levels and replenish when necessary. | | |
| CHST-03 | 116 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #14 AND LIFT NUT. INSPECT GUIDE WEST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-03 | 124 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #14 & PILLOW BLOCKS FOR WEST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS, ADD IF NECESS. | | |
| CHST-03 | 132 | 1y | 2 | 2 | Visually inspect all TRACK #14 lubrication points for proper WEST fluid levels and replenish when necessary. | | |
| CHST-04 | 117 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #14 AND LIFT NUT. INSPECT GUIDE EAST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| CHST-04 | 125 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #14 & PILLOW BLOCKS FOR EAST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| CHST-04 | 133 | 1y | 2 | 2 | Visually inspect all TRACK #14 lubrication points for proper EAST fluid levels and replenish when necessary. | | |
| CHST-05 | 118 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #15 AND LIFT NUT. INSPECT GUIDE WEST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-05 | 126 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #15 & PILLOW BLOCKS FOR WEST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| CHST-05 | 134 | 1y | 2 | 2 | Visually inspect all TRACK #15 lubrication points for proper WEST fluid levels and replenish when necessary. | | |
| CHST-06 | 119 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #15 AND LIFT NUT. INSPECT GUIDE EAST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-06 | 135 | 1y | 2 | 2 | Visually inspect all TRACK #15 lubrication points for proper EAST fluid levels and replenish when necessary. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| CHST-06 | 127 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #15 & PILLOW BLOCKS FOR EAST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| CHST-07 | 136 | 1y | 2 | 2 | Visually inspect all TRACK #16 lubrication points for proper WEST fluid levels and replenish when necessary. | | |
| CHST-07 | 128 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #16 & PILLOW BLOCKS FOR WEST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| CHST-07 | 120 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #16 AND LIFT NUT. INSPECT GUIDE WEST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-08 | 121 | 12y | 2 | 4 | INSPECT JACK SCREW THREADS TRACK #16 AND LIFT NUT. INSPECT GUIDE EAST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| CHST-08 | 129 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #16 & PILLOW BLOCKS FOR EAST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| CHST-08 | 137 | 1y | 2 | 2 | Visually inspect all TRACK #16 lubrication points for proper EAST fluid levels and replenish when necessary. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| CLN | 969 | 1w | 1 | 1 | 1.) CLEAN SHOP AREA (ORGANIZE UNASSIGNED SHELVES. RESTOCK HARDWARE & AREA SUPPLIES, SWEEP FLOOR AND MOP CLEAN WHEN FINISHED. | | |
| CLSTA-01 | 1003 | 12y | 1 | 1 | CHECK FOR PROPER OPERATION, BLOWDOWN INSPECT ALL CONNECTIONS FOR AREA LEAKS, CHECK SPRAY GUNS (4) FOR PROPER SPRAY. | | |
| COMP | 965 | y5 | 1 | 2 | REMINDER - HYDRO PRESSURE TEST ALL AIR RECEIVER TANKS DUE OCT. 1995. HCMF SHOP - VARIOUS. | | |
| COMP-01 | 139 | 1w | 1 | 1 | 1.) CYCLE THE REGULATION SYS BLR RM & UNLOADERS 2.) DRAIN REGULATOR FILTER BOWLS. 3.) CHECK INTERCOOLER PRESSURE. 4.) CHECK CONDENSATE TRAP OPERATION. 5.) CHECK AIR INLET VACUUM INDICATOR. | | |
| COMP-01 | 147 | 1y | 1 | 0.5 | 1.) REGREASE DRIVE MOTOR BLR RM OUTBOARD BEARINGS. | | |
| COMP-01 | 145 | 1y | 1 | 0.5 | 1.) CHECK INLET & DISCHARGE BLR RM VALVES. | | |
| COMP-01 | 143 | 12y | 1 | 1 | 1.) REGREASE DRIVE MOTOR BLR RM OUTBOARD BEARINGS. 2.) CHECK TENDAMATIC SENSING DEVICES | | |
| COMP-01 | 141 | 4y | 1 | 1 | 1.) CHANGE FRAME OIL & OIL BLR RM FILTER. 2.) CLEAN OIL PUMP SUCTION SCREEN. 3.) CLEAN INLET FILTER ELEMENT. 4.) CLEAN UNIT & CHECK ALL CONNECTIONS. 5.) CHK VALVES FOR PROPER LUBRICATION. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| COMP-02 | 140 | 1w | 1 | 1 | 1.) CYCLE THE REGULATION SYS BLR RM & UNLOADERS 2.) DRAIN REGULATOR FILTER BOWLS. 3.) CHECK INTERCOOLER PRESSURE. 4.) CHECK CONDENSATE TRAP OPERATION. 5.) CHECK AIR INLET VACUUM INDICATOR. | | |
| COMP-02 | 144 | 12y | 1 | 1 | 1.) REGREASE DRIVE MOTORBLR RM OUTBOARD BEARINGS. 2.) CHECK TENDAMATIC SENSING DEVICES | | |
| COMP-02 | 142 | 4y | 1 | 1 | 1.) CHANGE FRAME OIL & OIL BLR RM FILTER. 2.) CLEAN OIL PUMP SUCTION SCREEN. 3.) CLEAN INLET FILTER ELEMENT. 4.) CLEAN UNIT & CHECK ALL CONNECTIONS. 5.) CHECK VALVES FOR PROPER LUBRICATION. | | |
| COMP-02 | 146 | 1y | 1 | 0.5 | 1.) CHECK INLET & DISCHARGE BLR RM VALVES. | | |
| COMP-02 | 148 | 1y | 1 | 0.5 | 1.) REGREASE DRIVE MOTORBLR RM OUTBOARD BEARINGS. | | |
| COMP-03 | 1057 | 12y | 1 | 0.75 | CHECK GEAR OIL, GREASE AIR BRAKE FITTINGS. LIMIT SWITCHES AND SHOP ALL CONNECTIONS FOR PROPER OPERATION. | | |
| COMP-04 | 1058 | 12y | 1 | 0.75 | CHECK GEAR OIL. GREASE AIR BRAKE FITTINGS. LIMIT SWITCHES AND SHOP ALL CONNECTIONS FOR PROPER OPERATION. | | |
| COMP-01 | 149 | 4y | 1 | 0.5 | 1.) LUBRICATE WITH 6 TO 8 BLR RM DROPS OF SAE#10 OIL. 2.) CHECK FOR PROPER OPERATION, OVER-HEATING, NOISE, ETC. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|---------------|-----------|
| CPMP-02 | 150 | 4y | 1 | 0.5 | 1.) LUBRICATE WITH 6 TO 8 BLR RM DROPS OF SAE#10 OIL. 2.) CHECK FOR PROPER OPERATION, OVER-HEATING, NOISE, ETC. | | |
| CPMP-03 | 151 | 4y | 1 | 0.5 | 1.) LUBRICATE WITH 6 TO 8 BLR RM DROPS OF SAE#10 OIL. 2.) CHECK FOR PROPER OPERATION, OVER-HEATING, NOISE, ETC. | | |
| CPMP-04 | 152 | 4y | 1 | 0.5 | 1.) LUBRICATE WITH 6 TO 8 DROPS OF SAE#10 OIL. 2.) CHECK FOR PROPER OPERATION, OVER-HEATING, NOISE, ETC. | BLR RM | |
| CPMP-05 | 153 | 4y | 1 | 0.5 | 1.) LUBRICATE WITH 6 TO 8 DROPS OF SAE#10 OIL. 2.) CHECK FOR PROPER OPERATION, OVER-HEATING, NOISE, ETC. | CONTROL TOWER | |
| CPMP-06 | 154 | 4y | 1 | 0.5 | 1.) LUBRICATE WITH 6 TO 8 CONTROL DROPS OF SAE#10 OIL. 2.) TOWER CHECK FOR PROPER OPERATION, OVER-HEATING, NOISE, ETC. | CONTROL TOWER | |
| CPMP-07 | 1056 | 4y | 1 | 0.5 | CHECK FOR LEAKS, CHECK ALL BOILER ROOM CONNECTIONS, OPERATION AND IMPELLA ON ADJUSTOR MOTOR, INSPECT BOTH PUMPS. | BOILER ROOM | |
| CR | 964 | 1y | 1 | 2 | PERFORM LOAD TEST ON EVERY CRANE EVERY 5 YEARS. REMINDER DUE OCT. 1995. HCMF SHOP VARIOUS. 13 CRANES ESTABLISH CHECK LIST. | HCMF SHOP | |
| CR-01 | 164 | 2y | 2 | 4 | 1.) CHANGE OIL IN GEARHEAVY REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATESOUTH MOTOR. | HEAVY REPAIR | |

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 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|--------------|-----------|
| CR-01 | 155 | 12y | 2 | 4 | 1.) INSPECT OPEN GEARS FOR HEAVY PROPER LUBE. 2.) CHK MOTOR REPAIR MOUNTS FOR LOOSE BOLTS. 3.) SOUTH PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. 6.) INSPECT END TRUCKS FOR LOOSE BOLTS, TI | HEAVY REPAIR | |
| CR-02 | 156 | 12y | 2 | 4 | 1.) INSPECT OPEN GEARS FOR HEAVY PROPER LUBE. 2.) CHK MOTOR REPAIR MOUNTS FOR LOOSE BOLTS. 3.) NORTH PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. 6.) INSPECT END TRUCKS FOR LOOSE BOLTS, TI | HEAVY REPAIR | |
| CR-02 | 165 | 2y | 2 | 4 | 1.) CHANGE OIL IN GEARHEAVY REDUCERS 2.) INSPECT GEARED REPAIR COUPLINGS. 3.) LUBRICATE NORTH MOTOR. | HEAVY REPAIR | |
| CR-03 | 157 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR TRUCK SHOP PROPER LUBE. 2.) CHK MOTOR MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. | TRUCK SHOP | |
| CR-03 | 166 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEARTRUCK SHOP REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR. | TRUCK SHOP | |
| CR-04 | 167 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEARMOTOR SHOP REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR. | MOTOR SHOP | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|--------------|-----------|
| CR-04 | 158 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR MOTOR SHOP PROPER LUBE. 2.) CHK MOTOR MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. | MOTOR SHOP | |
| CR-05 | 159 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR MOTOR SHOP PROPER LUBE. 2.) CHK MOTOR MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. | MOTOR SHOP | |
| CR-05 | 168 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEARMOTOR SHOP REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR. | MOTOR SHOP | |
| CR-06 | 160 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR MACHINE SHOP PROPER LUBE. 2.) CHK MOTOR SHOP MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. | MACHINE SHOP | |
| CR-06 | 169 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEARMACHINE REDUCERS 2.) INSPECT GEARED SHOP COUPLINGS. 3.) LUBRICATE MOTOR. | MACHINE SHOP | |
| CR-07 | 170 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEAR WHEEL & REDUCERS 2.) INSPECT GEARED AXLE SHOP COUPLINGS. 3.) LUBRICATE MOTOR. | WHEEL & AXLE | |

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 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|-----------------|-----------|
| CR-07 | 161 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR WHEEL & PROPER LUBE. 2.) CHK MOTOR AXLE SHOP MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. | WHEEL AXEL | |
| CR-08 | 171 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEARCOMP. SHOP REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR. | COMPRESSOR SHOP | |
| CR-08 | 162 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR COMP. SHOP PROPER LUBE. 2.) CHK MOTOR MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER OPERATION. | COMPRESSOR SHOP | |
| CR-09 | 172 | 2y | 1 | 1 | 1.) CHANGE OIL IN GEARA/C SHOP REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR. | A/C SHOP | |
| CR-09 | 163 | 12y | 1 | 1.5 | 1.) INSPECT OPEN GEARS FOR A/C SHOP PROPER LUBE. 2.) CHK MOTOR MOUNTS FOR LOOSE BOLTS. 3.) PROPER BEARING LUBRICATION. 4.) MISC. LINKAGES, GEAR REDUCERS & ROPE 5.) CABLES & MOTOR FOR PROPER | A/C SHOP | |
| CR-14 | 3033 | 12y | 1 | 1 | INSPECT: 1.) ALL CONTROLS & Wheel LIMIT SWITCHES. 2.) DISC. & Truing LOAD BRAKES. 3.) CLEAN & Building LUBRICATE CHAIN. 4.) TEST ALL CONTROLS & DEVICES. | WHEEL TRUING | |
| CR-14 | 3034 | 2y | 1 | 1 | INSPECT: 1.) HOOKS, SHEAVES & Wheel HOUSING. 2.) ALL ELECTRICAL Truing WIRING. 3.) TRANSMISSION Building LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE. | WHEEL TRUING | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| CRJ-10 | 173 | 12y | 1 | 1 | INSPECT: 1.) ALL CONTROLS & WHEEL LATHE LIMIT SWITCHES. 2.) DISC. & LOAD BRAKES. 3.) CLEAN & LUBRICATE CHAIN. 4.) TEST ALL CONTROLS & DEVICES. | WHEEL LATHE | |
| CRJ-10 | 177 | 2y | 1 | 1 | INSPECT: 1.) HOOKS, SHEAVES & WHEEL LATHE HOUSING. 2.) ALL ELECTRICAL WIRING. 3.) TRANSMISSION LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE. | WHEEL LATHE | |
| CRJ-11 | 174 | 12y | 1 | 1 | INSPECT: 1.) ALL CONTROLS & WHEEL & LIMIT SWITCHES. 2.) DISC. & AXLE SHOP LOAD BRAKES. 3.) CLEAN & LUBRICATE CHAIN. 4.) TEST ALL CONTROLS & DEVICES. | WHEEL & AXLE | |
| CRJ-11 | 178 | 2y | 1 | 1 | INSPECT: 1.) HOOKS, SHEAVES & WHEEL & HOUSING. 2.) ALL ELECTRICAL AXLE SHOP WIRING. 3.) TRANSMISSION LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE. | WHEEL & AXLE | |
| CRJ-12 | 179 | 2y | 1 | 1 | INSPECT: 1.) HOOKS, SHEAVES & BATTERY HOUSING. 2.) ALL ELECTRICAL SHOP WIRING. 3.) TRANSMISSION LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE. | BATTERY SHOP | |
| CRJ-12 | 175 | 12y | 1 | 1 | INSPECT: 1.) ALL CONTROLS & BATTERY LIMIT SWITCHES. 2.) DISC. & SHOP LOAD BRAKES. 3.) CLEAN & LUBRICATE CHAIN. 4.) TEST ALL CONTROLS & DEVICES. | BATTERY SHOP | |
| CRJ-13 | 176 | 12y | 1 | 1 | INSPECT: 1.) ALL CONTROLS & A/C D/C LIMIT SWITCHES. 2.) DISC. & Room LOAD BRAKES. 3.) CLEAN & LUBRICATE CHAIN. 4.) TEST ALL CONTROLS & DEVICES. | AC/DC ROOM | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|-----------------|-----------|
| CRJ-13 | 180 | 2y | 1 | 1 | INSPECT: 1.) HOOKS, SHEAVES & A/C D/C HOUSING. 2.) ALL ELECTRICAL WIRING. 3.) TRANSMISSION LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE. | AC/DC ROOM | |
| DESLT-01 | 1005 | 4y | 1 | 1 | INSPECT UNIT FOR LEAKS REPLACE FILTER WHEN REQUIRED | TRACK #6 CENTER | |
| DM-01 | 184 | 1y | 1 | 1.5 | 1.) REPLACE CATALYST CARTRIDGE.(CATALYST) | BLOWDOWN AREA | |
| DM-01 | 181 | 12y | 1 | 1 | 1.) INSPECT FILTER (PART #150-E) CHANGE FILTER WHEN COLOR OF FILTER HAS CHANGED 80% (DELTECH) | BLOWDOWN AREA | |
| DM-01 | 182 | 3y | 1 | 1.5 | 1.) REPLACE FINAL FILTER ELEMENT.(FINAL FILTER PRE-FILTER 150E) | BLOWDOWN AREA | |
| DM-01 | 183 | 2y | 1 | 1 | INSPECT: 1.) O RINGS IN 4 WAY BLOWDOWN VALVE. 2.) REPLACE VALVE AREA POPPET OR SEAT IF NICKED OR WORN. 3.) CLEAN REGENERATION LINE STRAINER. | BLOWDOWN AREA | |
| DOC-01 | 1026 | 4y | 2 | 5 | INSPECT AND LUBRICATE ALL STOCKROOM HINGES ON FOUR LOADING DOCK LEVELERS, CHECK FOR PROPER OPERATION. | STOCKROOM | |
| DTR-01 | 3003 | 4y | 1 | 0 | PERFORM MAINTENANCE AND AIR BRAKE CO INSPECTION ON THE WESTCODE SHOP 22 DIGITAL TEST RACK AT THE HARRISON CAR MAINTENANCE FACILITY. SEE CONTRACT FOR SPECIFICATIONS. | AIR BRAKE SHOP | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| DIR-01 | 185 | 12y | 1 | 1.5 | 1.) PURGE MAIN SUPPLY FILTER AIR BRAKE & RESERVOIR 2.) CHK ALLSHOP RELAYS, KEYBOARD SWITCHES. 3.) CHK VOLTAGE DIVIDER & CONT. LAMPS. 4.) CHK AMMETER, OHMMETER, MANOMETER, PRESSURE METER, TIMER & ALL VALVES. | AIR BRAKE SHOP | |
| DTR-01 | 186 | 1y | 1 | 1.5 | 1.) CHK SOLENOID VALVE, AIR BRAKE PRESSURE REG-ULATOR, SHOP FLOWRATOR, DIAPHRAGM VALVE ASSEMBLY, POPPET VALVE, MAIN AIR | AIR BRAKE SHOP | |
| DUMP | 1080 | 5w | 1 | 4 | REMOVE TRASH FROM ALL 2 YARD ALL AREAS DUMPSTERS THROUGH OUT FACILITY. USE A FORK LIFT AND EMPTY 2YD DUMPSTERS INTO 20 YD DUMPSTER. WEAR SAFTEY EQUIPMENT AT ALL TIMES. SAFETY VEST, HARD HAT, GLOVES. | ALL AREAS | |
| DWH-01 | 190 | 12y | 1 | 0.5 | 1.) CHECK THE PROPER BLR RM OPERATION OF THE FLUE GAS VENTING SYSTEM. 2.) INSPECT FLOAT TYPE WATER LEVEL CONTROLS FOR PROPER OPERATION. 3.) BLOWDOWN WATER LEVEL CONTROLS. | BOILER ROOM | |
| DWH-01 | 192 | 2y | 1 | 0.5 | 1.) OPERATIONALLY TEST THE BLR RM BOILER, THE BURNER & ALL CONTROLS. 2.) TEST ALL SAFETY DEVICES. 3.) CHECK BOILER INPUT AND CHECK FLAME TO ASSURE NORMAL, CLEAN COMBUSTION. | BOILER ROOM | |
| DWH-01 | 194 | 1y | 1 | 1 | 1.) ASSIST WITH INSPECTION BY BLR RM HARTFORD INS. CO. 2.) ENSURE PROPER IGNITION OF ALL BURNERS WHEN GAS VALVE OPENS. 3.) CLEAN TUBE SURFACES & VENTING SYSTEM 4.) INSPECT PRESSURE VESSEL & | BOILER ROOM | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|-------------|-----------|
| DWH-01 | 187 | 7w | 1 | 0.5 | 1.) CONFIRM PILOT FLAME IS PROPER. 2.) CONFIRM BURNERS LIGHT OFF CORRECTLY. 3.) CONFIRM PROPER OPERATION OF CONTROLS 4.) REMOVE ALL COMBUSTIBLE MATERIALS. 5.) INSURE NO OBSTRUCTED AIR OPENINGS. | BOILER ROOM | |
| DWH-02 | 195 | 1y | 1 | 1 | 1.) ASSIST WITH INSPECTION BY HARTFORD INS. CO. 2.) ENSURE PROPER IGNITION OF ALL BURNERS WHEN GAS VALVE OPENS. 3.) CLEAN TUBE SURFACES & VENTING SYSTEM 4.) INSPECT PRESSURE VESSEL & | BOILER ROOM | |
| DWH-02 | 191 | 12y | 1 | 0.5 | 1.) CHECK THE PROPER OPERATION OF THE FLUE GAS VENTING SYSTEM. 2.) INSPECT FLOAT TYPE WATER LEVEL CONTROLS FOR PROPER OPERATION. 3.) BLOWDOWN WATER LEVEL CONTROLS. | BOILER ROOM | |
| DWH-02 | 193 | 2y | 1 | 0.5 | 1.) OPERATIONALLY TEST THE BOILER, THE BURNER & ALL CONTROLS. 2.) TEST ALL SAFETY DEVICES. 3.) CHECK BOILER INPUT AND CHECK FLAME TO ASSURE NORMAL CLEAN COMBUSTION. | BOILER ROOM | |
| DWH-02 | 188 | 7w | 1 | 0.5 | 1.) CONFIRM PILOT FLAME IS PROPER. 2.) CONFIRM BURNERS LIGHT OFF CORRECTLY. 3.) CONFIRM PROPER OPERATION OF CONTROLS 4.) REMOVE ALL COMBUSTIBLE MATERIALS. 5.) INSURE NO OBSTRUCTED AIR OPENINGS. | BOILER ROOM | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| EB-01 | 1043 | 12y | 1 | 1 | CHECK FOR LEAKS. INSPECT LOW A/C SHOP WATER CUT OFF.CHECK SYSTEM FOR PROPER OPERATION. CHECK OPENING FOR ANY RESTRICTIONS. INSPECT HEATER UNIT AND CHECK ALL CONNECTIONS. | A/C SHOP | |
| EB-02 | 1044 | 12y | 1 | 1 | CHECK FOR LEAKS. INSPECT LOW BLOWDOWN WATER CUT OFF.CHECK SYSTEM AREA FOR PROPER OPERATION. CHECK OPENING FOR ANY RESTRICTIONS. INSPECT HEATER UNIT AND CHECK ALL CONNECTIONS. | BLOWDOWN AREA | |
| ECH-01 | 196 | 1y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 2.LOBBY) LUBRICATE MOTOR WITH 16 CONTROL DROPS PERBEARING OF SAE TOWER #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. *****(DO NOT OVER LUBRICATE)***** | LOBBY TOWER | |
| ECH-02 | 197 | 1y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 2.LOBBY) LUBRICATE MOTOR WITH 16 CONTROL DROPS PERBEARING OF SAE TOWER #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. *****(DO NOT OVER LUBRICATE)***** | LOBBY TOWER | |
| ECH-03 | 198 | 1y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 2.3RD FLOOR) LUBRICATE MOTOR WITH 16 BY DROPS PERBEARING OF SAE PASSARELLE #20 NON-DETERGENT OIL. 3.) CLEAN FAN WHEELS. *****(DO NOT OVER LUBRICATE)***** | 3RD FLOOR | |
| ECH-04 | 199 | 1y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 2.1ST FLOOR) LUBRICATE MOTOR WITH 16 BACK DROPS PERBEARING OF SAE STAIRWAY #20 NON-DETERGENT OIL. 3.) CONTROL CLEAN FAN WHEELS. TOWER ***** (DO NOT OVER LUBRICATE)***** | 1ST FLOOR | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|-------------|-----------|
| ECH-05 | 200 | 1y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 2.) LUBRICATE MOTOR WITH 16 DROPS PERBEARING OF SAE #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. *****(DO NOT OVER LUBRICATE)***** | TOWER | |
| ECH-06 | 201 | 1y | 1 | 0.5 | 1.) CLEAN FIN TUBES/COILS. 2.1ST FLOOR) LUBRICATE MOTOR WITH 16 LOBBY DROPS PERBEARING OF SAE CONTROL #20 NON-DETERGENT OIL. 3.) TOWER CLEAN FAN WHEELS. ***** (DO NOT OVER LUBRICATE)***** | TOWER | |
| EDP-01 | 1020 | 1y | 2 | 18 | CHECK ALL ELECTRICAL DISTRIBUTION PANELS FOR LOOSE WIRES. RECORD AMP METER READINGS OF ALL PANEL FEEDERS. REPORT ANY DISCREPANCIES TO THE SUPERVISOR. | 1st FLOOR | 1ST FLOOR |
| EDP-02 | 1021 | 1y | 1 | 2 | CHECK ALL ELECTRICAL DISTRIBUTION PANELS FOR LOOSE WIRES. RECORD AMP METER READINGS OF ALL PANEL FEEDERS. REPORT ANY DISCREPANCIES TO THE SUPERVISOR. | 2nd FLOOR | 2ND FLOOR |
| EDP-03 | 1022 | 1y | 2 | 12 | CHECK ALL ELECTRICAL DISTRIBUTION PANELS FOR LOOSE WIRES. RECORD AMP METER READINGS OF ALL PANEL FEEDERS. REPORT ANY DISCREPANCIES TO THE SUPERVISOR. | 3rd FLOOR | 3RD FLOOR |
| EF-01A | 275 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT BLR RM RF BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | BOILER ROOM | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|------------------|-----------|
| EF-01A | 202 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON BLR RM RF ROOF. 2.) CHECK BELT FOR WEAR & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | BOILER ROOM | |
| EF-01B | 203 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON BLR RM RF ROOF. 2.) CHECK BELT FOR WEAR & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | BOILER ROOM ROOF | |
| EF-01B | 276 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT BLR RM RF BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |
| EF-01C | 277 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT BLR RM RF BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |
| EF-01C | 204 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON BLR RM RF ROOF. 2.) CHECK BELT FOR WEAR & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-02 | 278 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-02 | 205 | 12y | 2 | 1 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| EF-03 | 206 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-03 | 279 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-04 | 207 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-04 | 280 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-05 | 208 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-05 | 281 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-06 | 209 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| EF-06 | 282 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-07 | 210 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-07 | 283 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-08 | 284 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-08 | 211 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-09 | 212 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-09 | 285 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-10 | 213 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-10 | 286 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-11 | 214 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-11 | 287 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-12 | 215 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-12 | 288 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-13 | 216 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-13 | 289 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-14 | 217 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-14 | 290 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-15 | 218 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-15 | 291 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-16 | 219 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-16 | 292 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-17 | 220 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-17 | 293 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-18 | 221 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-18 | 294 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-19 | 222 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-19 | 295 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-20 | 223 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-20 | 296 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-21 | 224 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-21 | 297 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-22 | 225 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-22 | 300 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-23 | 226 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-23 | 301 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| EF-24 | 302 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-24 | 227 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-25 | 228 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-25 | 303 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-26 | 229 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-26 | 304 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-28 | 231 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| EF-28 | 306 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-29 | 232 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-29 | 307 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-30 | 233 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-30 | 308 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-31 | 309 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-31 | 214 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| FF-32 | 310 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| FF-32 | 235 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-33 | 236 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-33 | 311 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| FF-34 | 237 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-34 | 312 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-35 | 238 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| EF-35 | 313 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-36 | 239 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON OFFICE AREA ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-36 | 314 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT OFFICE AREA BEARINGS. 2.) LUBRICATE ROOF MOTOR. 3.) INSPECT ALL WIRING & | | |
| EF-37 | 240 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON HEAVY ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-37 | 315 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT HEAVY BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-38 | 316 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-38 | 241 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-39 | 242 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-39 | 317 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-40 | 243 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-40 | 318 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-41 | 244 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON OFFICE AREA ROOF. 2.) CHECK BELT FOR WEARROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-41 | 319 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT OFFICE AREA BEARINGS. 2.) LUBRICATE ROOF MOTOR. 3.) INSPECT ALL WIRING & | | |
| EF-42 | 245 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON OFFICE AREA ROOF. 2.) CHECK BELT FOR WEARROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| EF-42 | 320 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT OFFICE AREA BEARINGS. 2.) LUBRICATE ROOF MOTOR. 3.) INSPECT ALL WIRING & | | |
| EF-43 | 246 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON A/C SHOP ROOF. 2.) CHECK BELT FOR WEAR & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-43 | 321 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT A/C SHOP BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |
| EF-46 | 248 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON GUARD HOUSE ROOF. 2.) CHECK BELT FOR WEAR & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-46 | 324 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT GUARD HOUSE BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |
| EF-47 | 249 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-47 | 325 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-48 | 250 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-48 | 326 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-49 | 251 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON HEAVY ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-49 | 327 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTHEAVY BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-50 | 252 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-50 | 328 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-51 | 253 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| EF-51 | 329 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-52 | 254 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-52 | 330 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-53 | 255 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-53 | 331 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-54 | 256 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-54 | 332 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| EF-55 | 333 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-55 | 257 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-56 | 258 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-56 | 334 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-57 | 259 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-57 | 335 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-58 | 260 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEAR REPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| EF-58 | 336 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-59 | 261 | 12y | 2 | 1.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEAR TOWER ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-59 | 337 | 4y | 2 | 1.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-60 | 262 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEAR TOWER & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-60 | 338 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL. | | |
| EF-61 | 263 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEAR TOWER ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-61 | 340 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| EF-62 | 264 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEARTOWER ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-62 | 341 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-63 | 265 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEARTOWER & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-63 | 342 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-64 | 266 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEARTOWER & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-64 | 343 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-65 | 267 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON TOWER ROOF. 2.) CHECK BELT FOR WEARELEVATOR & PROPER TENSION 3.) CHECK ROOM MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| EF-65 | 344 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT TOWER BEARINGS. 2.) LUBRICATE ELEVATOR MOTOR. 3.) INSPECT ALL WIRING ROOM & ELECTRICAL | | |
| EF-66 | 268 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEAR TOWER C 103 & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-66 | 345 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER C 103 MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-67 | 269 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON C-109 ROOF. 2.) CHECK BELT FOR WEAR & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-67 | 346 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT C-109 BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |
| EF-68 | 270 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEAR TOWER & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-68 | 347 | 4y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CONTROL BEARINGS. 2.) LUBRICATE TOWER MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO. Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|---------------|-------------------|-----------------|--|----------|-----------|
| EF-69-150 | 271 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-69-150 | 348 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-70-151 | 272 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-70-151 | 349 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-71-152 | 350 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-71-152 | 273 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-72-153 | 274 | 12y | 1 | 0.5 | 1.) CLEAN SCREEN & VENT ON RUNNING ROOF. 2.) CHECK BELT FOR WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| EF-72-153 | 351 | 4y | 1 | 1 | 1.) LUBRICATE FAN SHAFT RUNNING BEARINGS. 2.) LUBRICATE REPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-73 | 1059 | 12y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CARBODY BEARINGS. 2.) LUBRICATE SHOP MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-74 | 1060 | 12y | 1 | 0.5 | 1.) LUBRICATE PUMP & FAN CARBODY SHAFT BEARINGS. 2.) LUBRICATE LOBBY MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |
| EF-75 | 1061 | 12y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CARBODY BEARINGS. 2.) LUBRICATE SHOP MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-76 | 1062 | 12y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT HEAVY BEARINGS. 2.) LUBRICATE REPAIR MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL | | |
| EF-77 | 1063 | 12y | 1 | 1 | 1.) LUBRICATE FAN SHAFT A/C SHOP BEARINGS. 2.) LUBRICATE HUMIDIFICATION MOTOR. 3.) INSPECT ALL WIRING IN ROOM & ELECTRICAL | | |
| EF-78 | 1064 | 12y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT CARBODY BEARINGS. 2.) LUBRICATE SHOP MOTOR. 3.) INSPECT ALL WIRING FORMANS & ELECTRICAL | | |
| EF-79 | 1065 | 12y | 1 | 0.5 | 1.) LUBRICATE FAN SHAFT AIR BRAKE BEARINGS. 2.) LUBRICATE ROOM THROUGH MOTOR. 3.) INSPECT ALL WIRING IN THE WALL & ELECTRICAL | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EF-89 | 1066 | 12y | 1 | 1 | 1.) LUBRICATE FAN SHAFT TRACK 16 BEARINGS. 2.) LUBRICATE FAST HEAVY MOTOR. 3.) INSPECT ALL WIRING REPAIR / & ELECTRICAL. | | |
| EF-WT(E) | 3041 | 4y | 2 | 1 | 1.) LUBRICATE FAN SHAFT Wheel BEARINGS. 2.) LUBRICATE Truing MOTOR. 3.) INSPECT ALL WIRING Building & ELECTRICAL | | |
| EF-WT(E) | 3039 | 12y | 2 | 1 | 1.) CLEAN SCREEN & VENT ON Wheel ROOF. 2.) CHECK BELT FOR WEAR Truing & PROPER TENSION 3.) CHECK Building MOTOR FOR EXCESSIVE HEAT. 4.) Roof TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EF-WT(W) | 3042 | 4y | 2 | 1 | 1.) LUBRICATE FAN SHAFT Wheel BEARINGS. 2.) LUBRICATE Truing MOTOR. 3.) INSPECT ALL WIRING Building & ELECTRICAL | | |
| EF-WT(W) | 3040 | 12y | 2 | 1 | 1.) CLEAN SCREEN & VENT ON Wheel ROOF. 2.) CHECK BELT FOR WEAR Truing & PROPER TENSION 3.) CHECK Building MOTOR FOR EXCESSIVE HEAT. 4.) Roof TIGHTEN UP ALL GUARDS, SUPPORTS & COVERS. | | |
| EJPNP-01 | 1004 | 2y | 2 | 4 | INSPECT PUMPS FOR PROPER OUTSIDE OPERATION. CHECK ALL FLOATS, STOCKROOM INSPECT ALL ELECTRICAL DOOR CONNECTIONS, CHECK INPUT AND LOADING OUTPUT LINES FOR CLOGS. | | |
| EMAP-01 | 3013 | 12y | 1 | 2 | Turn control switch to off. ELECTRONIC Remove cell and charcoal SHOP filter. Rinse under clear hot water & allow to dry before installing | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|---|-----------|
| EMLT-6666 | 989 | 12y | 1 | 7 | 1.) TEST PILOT & POWER LIGHTS. BATTERY REFOCUS LIGHT BEAM IF NECESSARY. CHECK OFF AS EACH IS COMPLETED. THIS W.O. REPLACES W.O.'s #'s 00352-00416 EMLT's. | Special-See RE | |
| EMLT-7777 | 990 | 2y | 1 | 6 | 1.) OPEN CONTROL BOX. CHECK BROKEN WIRES. CHECK CONDITION OF BATTERY. REFOCUS LIGHT BEAM IF NECESSARY. CHECK OFF AS EACH IS COMPLETED. THIS W.O. REPLACES W.O.'s #'s 00417- 00478 | Special-See RE FOR LOOSE CONNECTIONS &Reference | |
| EUH-01 | 479 | 1y | 1 | 1 | 1.) CLEAN FIN TUBES/COILS. 2.C-104) LUBRICATE MOTOR WITH 16 DROPS PERBEARING OF SAE #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. ***** (DO NOT OVER LUBRICATE)***** | | |
| EUH-02 | 480 | 1y | 1 | 1 | 1.) CLEAN FIN TUBES/COILS. 2.C-103) LUBRICATE MOTOR WITH 16 DROPS PERBEARING OF SAE #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. ***** (DO NOT OVER LUBRICATE)***** | | |
| EUH-03 | 481 | 1y | 1 | 1 | 1.) CLEAN FIN TUBES/COILS. 2.C-108) LUBRICATE MOTOR WITH 16 DROPS PERBEARING OF SAE #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. ***** (DO NOT OVER LUBRICATE)***** | | |
| EUH-04 | 482 | 1y | 1 | 1 | 1.) CLEAN FIN TUBES/COILS. 2.C-109) LUBRICATE MOTOR WITH 16 DROPS PERBEARING OF SAE #20 NON-DETERGENT OIL 3.) CLEAN FAN WHEELS. ***** (DO NOT OVER LUBRICATE)***** | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| EVAP | 3020 | 14d | 1 | 2 | Remove Full Barrel of Used TRUCK WASH Ozzie Juice from Haz Mat. AREA Bring to Evaporator. Set Machine to Burn Off. Remove burned off sludge to hazmat & consolidate with other sludge in Haz Mat to make full barrel of waste | | |
| EVAP | 3019 | 7w | 1 | 2 | Remove Full Barrel of Used TRUCK WASH Ozzie Juice from Haz Mat. AREA Bring to Evaporator. Set Machine to Burn Off. Remove burned off sludge to hazmat & consolidate with other sludge in Haz Mat to make full barrel of waste | | |
| EWSH-01 | 1055 | 12y | 1 | 2.5 | INSPECT ALL BOTTLED EYE WASH ALL AREAS RE STATIONS, CHECK THAT EACH STERILE ISOTONIC BOTTLE IS SEALED, CHECK EXPIRATION DATE, REPLACE WHEN NECESSARY, 6 UNITS IN BLOWDOWN, 1 IN PARTS WASHER RM., 1 UNASSIGNED AREA, 1 IN WELDING SHOP, 1 IN MACHINE SHOP. 1 BY | | |
| EYE-8888 | 983 | 1w | 1 | 2.5 | 1.) CHK & CLEAN FILTER Special-See RE SCREENS. 2.) FLUSH SUPPLY Reference LINES FREE OF ANY ACCUMULATED DEBRIS. 3.) CHK FOR PROPER SPRAY PATTERN. 4.) CHK CONTROL VALVE & CLEAR DRAIN. 5.) CHK OFF AS EACH IS COMPLETED. THIS W.O. REPLACES W.O.'s #'s 00483-00 | | |
| EYE-9999 | 987 | 12y | 1 | 6.5 | 1.) CHK & CLEAN FILTERS Special-See RE SCREENS. 2.) FLUSH SUPPLY Reference LINES FREE OF ANY ACCUMULATED DEBRIS. 3.) CHK FOR PROPER SPRAY PATTERN. 4.) CHK CONTROL VALVE & CLEAR DRAIN. 5.) CHK OFF AS EACH IS COMPLETED. THIS W.O. REPLACES W.O.'s #'s 00483-00 | | |

**APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| FAS-01 | 3001 | 12y | 2 | 0 | PERFORM MAINTENANCE AND ALL AREAS REPAIR SERVICES FOR THE FIRE PROTECTION SYSTEM AT THE HARRISON CAR MAINTENANCE FACILITY, SEE CONTRACT FOR SPECIFICATIONS. | | |
| FD | 3024 | 1y | 1 | 2 | Annual test of all fire doors ENTIRE and shutters BUILDING | | |
| FEL-01 | 1023 | 6y | 1 | 4 | INSPECT AND TEST ALL 1st FLOOR EMERGENCY FLUORESCENT LIGHT FIXTURES FOR PROPER OPERATION. | | |
| FEL-02 | 1024 | 6y | 1 | 7 | INSPECT AND TEST ALL 2nd FLOOR EMERGENCY FLOURESCENT LIGHT FIXTURES FOR PROPER OPERATION, INCLUDE ALL STAIRWAYS | | |
| FEL-03 | 1025 | 6y | 1 | 5.5 | INSPECT AND TEST ALL 3rd FLOOR EMERGENCY FLUORESCENT LIGHT FIXTURES FOR PROPER OPERATION, INCLUDE THE PASSERELLE. | | |
| FEXT | 967 | 12y | 1 | 6 | INSPECT: 1.) ALL FIRE ALL AREAS EXTINGUISHERS, 2.) NOTE ALL DISCREPENCIES TO SUPERVISOR 3.) INITIAL ALL INSPECTION CARDS ON THE EXTINGUISHERS | | |
| FILT-INV | 1089 | 12y | 1 | 1 | Take inventory of air filters 3rd FLOOR located on third floor mezz. | | |
| FL-08 | 984 | 1w | 2 | 2 | 1.) PERFORM WEEKLY STOCKROOM MAINTENANCE OF RAYMOND FORKLIFT BATTERIES, GREASE & LUBRICATE AS REQUIRED, FLUSH DOWN & CLEAN WORK AREA WHEN DONE. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| FP-01 | 985 | 1w | 1 | 1 | TEST LAMPS ON PANEL. TEST RUNFIRE PUMP & ADJUST PACKING ON FIREROOM EAST PUMP. EXERCISE ALL VALVES & LUBRICATE WHEN NECESSARY. REMOVE ANY DEBRIS. NOTIFY 24 HR OFFICE WHEN PERFORMING TEST. SEE MPC #208 | | |
| FP-02 | 986 | 1w | 1 | 1 | TEST LAMPS ON PANEL. TEST RUNFIRE PUMP & ADJUST PACKING ON FIREROOM WEST PUMP. EXERCISE ALL VALVES & LUBRICATE WHEN NECESSARY. REMOVE ANY DEBRIS. NOTIFY 24 HR OFFICE WHEN PERFORMING TEST. SEE MPC #208 | | |
| FP-03 | 988 | 1w | 1 | 1 | TEST LAMPS ON PANEL. TEST RUNTOMLINSON & ADJUST PACKING ON FIRE TOWER PUMP. EXERCISE ALL VALVES & LUBRICATE WHEN NECESSARY. REMOVE ANY DEBRIS. NOTIFY 24 HR OFFICE WHEN PERFORMING TEST. SEE MPC #208 | | |
| GASM-01 | 517 | 12y | 1 | 1 | 1.) RECALIBRATE GAS MONITORS. BATTERY SHOP | | |
| GASM-02 | 518 | 12y | 2 | 2.5 | 1.) RECALIBRATE GAS MONITORS. FLAMMABLE STORAGE | | |
| GLYC-01 | 519 | 1y | 1 | 1.5 | 1.) CLEAN COILS WITH COIL BLR RM RF CLEANER. 2.) INSPECT FANS FOR PROPER OPERATION. | | |
| GLYC-02 | 520 | 1y | 1 | 1.5 | 1.) CLEAN COILS WITH COIL BLR RM RF CLEANER. 2.) INSPECT FANS FOR PROPER OPERATION. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| GPMP-01 | 1006 | 4y | 2 | 2 | CHECK FOR PROPER OPERATION, OUTSIDE INSPECT MOTOR CONTROL CENTER BLOWDOWN FOR LOOSE CONNECTIONS, CHECK NORTH SIDE GAUGES AGAINST DIPSTICK FOR OF BLDG. ACCURACY | | |
| GPMP-02 | 1007 | 4y | 2 | 2 | CHECK FOR PROPER OPERATION, OUTSIDE INSPECT MOTOR CONTROL CENTER BLOWDOWN FOR LOOSE CONNECTIONS, CHECK NORTH SIDE GAUGES AGAINST DIPSTICK FOR OF BLDG. ACCURACY | | |
| GPMP-03 | 1008 | 4y | 2 | 2 | CHECK FOR PROPER OPERATION, OUTSIDE INSPECT MOTOR CONTROL CENTER BLOWDOWN FOR LOOSE CONNECTIONS, CHECK NORTH SIDE GAUGES AGAINST DIPSTICK FOR OF BLDG. ACCURACY | | |
| GPMP-01 | 521 | 4y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.)BLR RM CHECK FOR OVERHEATING & NOISE. LUBRICATE AND EXERCISE THE OS&Y MANUAL ISOLATION VALVES | | |
| GPMP-02 | 522 | 4y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.)BLR RM CHECK FOR OVERHEATING & NOISE. LUBRICATE AND EXERCISE THE OS&Y MANUAL ISOLATION VALVES | | |
| GRD-01 | 1018 | 12y | 1 | 1.5 | CHECK ALL HYDRAULIC LINES AND MACHINE FITTING FOR LEAKS AND WEAR, SHOP INSPECT ALL CONTROLS FOR PROPER OPERATION, CHECK III SPEED SPINDLE FOR ANY WEAR | | |
| GRD-05 | 1104 | 12y | 1 | 0.5 | Tighten & Clean guards, MACHINE replace wheels if diameter of SHOP wheel is 2 inches below original size | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| HBF-01 | 1051 | 1w | 1 | 1 | CHECK FILTER FOR LIQUID CARRYBOILER ROOM OVER FROM THE PREFILTER, OPEN EACH DRIER VESSEL PETCOCK AND DRAIN. CHECK INLET PRESSURE FLOW RATE. CHECK DRIER TIMING SEQUENCE A FULL CYCLE SHOULD LAST 4 MINUTES, REFER TO O&M MANUAL SECTION 2 FOR FURTHER DETAILS. | | |
| HLT-01 | 1045 | 12y | 1 | 1 | CHECK UNIT FOR LEAKS. CHECK HEAVY HYDRAULIC LEVEL. CHECK ALL REPAIR SWITCHES FOR PROPER OPERATION. INSPECT WHEELS AND LUBRICATE WHEN NECESSARY. | | |
| HLT-02 | 1046 | 12y | 1 | 1 | CHECK UNIT FOR LEAKS. CHECK HEAVY HYDRAULIC LEVEL. CHECK ALL REPAIR SWITCHES FOR PROPER OPERATION. INSPECT WHEELS AND LUBRICATE WHEN NECESSARY. | | |
| HLT-03 | 1047 | 12y | 1 | 1 | CHECK UNIT FOR LEAKS. CHECK HEAVY HYDRAULIC LEVEL. CHECK ALL REPAIR SWITCHES FOR PROPER OPERATION. INSPECT WHEELS AND LUBRICATE WHEN NECESSARY. | | |
| HLT-04 | 1048 | 12y | 1 | 1 | CHECK UNIT FOR LEAKS. CHECK HEAVY HYDRAULIC LEVEL. CHECK ALL REPAIR SWITCHES FOR PROPER OPERATION. INSPECT WHEELS AND LUBRICATE WHEN NECESSARY. | | |
| HLT-05 | 1049 | 12y | 1 | 1 | CHECK UNIT FOR LEAKS. CHECK HEAVY HYDRAULIC LEVEL. CHECK ALL REPAIR SWITCHES FOR PROPER OPERATION. INSPECT WHEELS AND LUBRICATE WHEN NECESSARY. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| HLT-06 | 1050 | 12y | 1 | 1 | CHECK UNIT FOR LEAKS, CHECK HEAVY HYDRAULIC LEVEL. CHECK ALL REPAIR SWITCHES FOR PROPER OPERATION. INSPECT WHEELS AND LUBRICATE WHEN NECESSARY. | | |
| HS-01 | 524 | 2y | 1 | 1 | CHECK FOR PROPER HYDRAULIC SHEET METAL OIL LEVEL, LEVELNESS, BLADE SHOP CLEARANCE, ELECTRICAL & HYDRAULIC CONNECTIONS, BACKGUAGE CALIBRATION, BLADES FOR SHARPNESS, FLUID LEVELS AND OIL QUALITY. CLEAN BACKGUAGE. | | |
| HS-01 | 523 | 4y | 1 | 1 | 1.) CLEAN & LUBRICATESHEET METAL BACKGAGE SCREWS. 2.) CHK SHOP BACKGAGE FOR PROPER CALIBRATION. 3.) CHK BLADES FOR SHARPNESS, CLEAN & OIL. 4.) HAVE SAMPLE OF HYD. OIL ANALYZED. 5.) CLEAN OR CHANGE CARTRIDGE FILTERS. | | |
| HIC-01 | 1019 | 1y | 1 | 1 | CHECK FOR PROPER OPERATION, PASSARTICLE RECORD AMP READINGS FROM PANEL, RELAMP INDICATOR BULBS WHEN NECESSARY. | | |
| HV-01 | 525 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) TRACK #6 INSPECT DAMPER & OPERATION WEST LINKAGE. 3) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| HV-01 | 542 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND TRACK #6 DRAIN PAN. CLEAN DOWN ENTIRE WEST INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCESSIVE | | |
| HV-02 | 526 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) TRACK #6 INSPECT DAMPER & OPERATION EAST LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-02 | 543 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND TRACK #6 DRAIN PAN. CLEAN DOWN ENTIRE EAST INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCESSIVE | | |
| HV-03 | 527 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) BOILER ROOM INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| HV-03 | 544 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND BOILER ROOM DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES. CHECK FOR EXCESSIVE N | | |
| HV-04 | 528 | 6y | 2 | 3 | 1a.) REPLACE FILTERS. 2.) FIRE PUMP INSPECT DAMPER & OPERATION ROOM LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-04 | 545 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND FIRE PUMP DRAIN PAN. CLEAN DOWN ENTIRE ROOM INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES. CHECK FOR EXCESSIV | | |
| HV-05 | 529 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) FLAMMABLE INSPECT DAMPER & OPERATION STORAGE LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| HV-05 | 546 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND FLAMMABLE DRAIN PAN. CLEAN DOWN ENTIRE STORAGE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCESS | | |
| HV-06 | 530 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) UPPER MEZ. INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-06 | 547 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND UPPER MEZ. DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EXCESSIVE NO | | |
| HV-07 | 531 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) UPPER MEZ. INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| HV-07 | 548 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND UPPER MEZ. DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NO | | |
| HV-08 | 532 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) UPPER MEZ. INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-08 | 549 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND UPPER MEZ. DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NO | | |
| HV-09 | 533 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) UPPER MEZ. INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| HV-09 | 550 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND UPPER MEZ. DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EXCESSIVE NOISE | | |
| HV-20 | 534 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) A. 7.2.7 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-20 | 551 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A. 7.2.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES. CHECK FOR EXCESSIVE NOISE | | |
| HV-21 | 535 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) A. 2.2.7 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| HV-21 | 552 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A.2 2.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NOISE | | |
| HV-22 | 536 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) A.7 4.7 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-22 | 553 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A.7 4.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NOISE | | |
| HV-21 | 554 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A.2 4.6 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NOISE | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference. |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|------------|
| HV-23 | 537 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) A. 2 4.6 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-24 | 538 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) A. 7 6.7 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-24 | 555 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A. 7 6.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES, VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY. EXERCISE VALVES, CHECK FOR EXCESSIVE NOISE | | |
| HV-25 | 539 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS. 2.) A. 2 6.7 INSPECT DAMPER & OPERATION LINKAGE. 3.) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| HV-25 | 556 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A.2 6.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL, CHANGE FILTERS IF NECESSARY, EXERCISE VALVES. CHECK FOR EXCESSIVE NOISE | | |
| HV-26 | 540 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS.2.)A.7 8.7 INSPECT DAMPER & OPERATION LINKAGE. 3) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |
| HV-26 | 557 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A.7 8.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL, CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NOISE | | |
| HV-27 | 541 | 6y | 1 | 1.5 | 1a.) REPLACE FILTERS.2.)A.2 8.7 INSPECT DAMPER & OPERATION LINKAGE. 3) GREASE FAN SHAFT BEARINGS. 4.) CLEAN OUT CONDENSATE DRAIN. 5.) CHECK FOR PROPER BELT TENSION. 6.) INSPECT ALL FINNED COIL SURFACES AND VACUUM WHEN NECESSARY. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| HV-27 | 558 | 1y | 2 | 2 | 1.) CLEAN FAN WHEELS AND A.2 8.7 DRAIN PAN. CLEAN DOWN ENTIRE INSIDE OF UNIT AND OUTSIDE OF UNIT. CHECK FOR LOOSE FAN BLADES. VACUUM MOTOR CASING AND INTERIOR OF UNIT, INCLUDING COIL. CHANGE FILTERS IF NECESSARY, EXERCISE VALVES, CHECK FOR EXCESSIVE NOISE | | |
| IND. PITS | 1097 | 12y | 1 | 1 | Visually inspect the indoor IRRS, 5&6 waste oil pits to ensure tracks there is no leakage | | |
| IP-01 | 559 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-02 | 560 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-03 | 561 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-04 | 562 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-05 | 563 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-06 | 564 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-08 | 565 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| IP-9 | 566 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-10 | 567 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-11 | 568 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-12 | 569 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-13 | 570 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-14 | 571 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-15 | 572 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| IP-16 | 573 | 4y | 1 | 0.5 | 1.) INSPECT ALL LOUVER AND ROOF GRATE AREA TO PREVENT RESTRICTED AIR FLOW. CLEAN IF | | |
| JENNY | 615 | 12y | 1 | 1.5 | VISUALLY INSPECT: 1.) ALL BLOWDOWN HOSE CONNECTIONS. (HIGH & LOW AREA PRESSURE.) TEMP LOWERED TO 140 F. 2.) PROPER OPERATION OF FLOAT MECHANISM. 3.) BELT FOR WEAR AND PROPER OPERATION. | | |
| JS-01 | 574 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| JS-02 | 575 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-03 | 576 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-04 | 577 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-05 | 578 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-06 | 579 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-07 | 580 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-08 | 581 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-09 | 582 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-10 | 583 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-11 | 584 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-12 | 585 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| JS-13 | 586 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-14 | 587 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-15 | 588 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| JS-16 | 589 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FOR WEAR, EXPOSED WIRES, ETC. | | |
| KLMZ-01 | 590 | 12y | 1 | 1.5 | 1.) CHECK GEARCASE OIL. 2.) MACHINE LUBRICATE SHAFT PILLOWSHOP BLOCKS. 3.) LUBRICATE DRIVE SHAFT SHEAVE. | | |
| KLMZ-01 | 592 | 1y | 1 | 1 | 1.) INSPECT BELTS FOR WEAR. MACHINE REPLACE IF NECESSARY. 2.) SHOP CHANGE GEAR CASE OIL. USING MOBILGEAR 626. REFILL SO THAT SIGHT | | |
| KLMZ-02 | 591 | 12y | 1 | 1.5 | 1.) CHECK GEARCASE OIL. 2.) MACHINE LUBRICATE SHAFT PILLOWSHOP BLOCKS. 3.) LUBRICATE DRIVE SHAFT SHEAVE. | | |
| KLMZ-02 | 593 | 1y | 1 | 1 | 1.) INSPECT BELTS FOR WEAR. MACHINE REPLACE IF NECESSARY. 2.) SHOP CHANGE GEAR CASE OIL. USING MOBILGEAR 626. REFILL SO THAT SIGHT | | |

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 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| LATH-01 | 1073 | 12y | 1 | 0.5 | INSPECT ALL WAYS, CHECK ALL MOTOR SHOP GIBS FOR ADJUSTMENT, CHECK OIL LEVELS AND BELT TENSION, CLEAN MACHINE AS NECESSARY. NOTE ANY DISCREPANCIES ON WORK ORDER. | | |
| LATH-01 | 594 | 4y | 1 | 1 | 1.) LUBRICATE DRIVE MOTOR. 2. MOTOR SHOP) INSPECT BELTS FOR WEAR & PROPERTENSION. | | |
| LATH-01 | 600 | 1y | 1 | 1.5 | 1.) CHANGE HEADSTOCK, GEARBOXMOTOR SHOP & APRON OIL. DO NOT OVER FILL MAXIMUM 3/4 OF VISIBLE OIL LEVEL. | | |
| LATH-02 | 1074 | 12y | 1 | 0.5 | INSPECT ALL WAYS, CHECK ALL MOTOR SHOP GIBS FOR ADJUSTMENT, CHECK OIL LEVELS AND BELT TENSION, CLEAN MACHINE AS NECESSARY. NOTE ANY DISCREPANCIES ON WORK ORDER. | | |
| LATH-02 | 595 | 4y | 1 | 1.5 | 1.) LUBRICATE DRIVE MOTOR. 2. MOTOR SHOP) INSPECT BELTS FOR WEAR & PROPERTENSION. | | |
| LATH-02 | 601 | 1y | 1 | 4 | 1.) CHANGE HEADSTOCK, GEARBOXMOTOR SHOP & APRON OIL. DO NOT OVER FILL. MAXIMUM 3/4 OF VISIBLE OIL LEVEL. | | |
| LATH-03 | 1075 | 12y | 1 | 1.5 | INSPECT ALL WAYS, CHECK ALL WHEEL & GIBS FOR ADJUSTMENT, CHECK AXLE SHOP OIL LEVELS AND BELT TENSION, CLEAN MACHINE AS NECESSARY, INSPECT THE ASSOCIATED DUST KOP VACUUM SYSTEM, CLEAN FILTER WHEN NECESSARY. | | |
| LATH-03 | 596 | 4y | 1 | 1.5 | 1.) LUBRICATE DRIVE MOTOR. 2. WHEEL &) INSPECT BELTS FOR WEAR & AXLE SHOP PROPERTENSION. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| LATH-03 | 602 | 1y | 1 | 1.5 | 1.) CHANGE HEADSTOCK, GEARBOXWHEEL & APRONOIL. DO NOT OVERAXLE SHOP FILL MAXIMUM 3/4OF VISIBLE OIL LEVEL. | | |
| LATH-04 | 1076 | 12y | 1 | 1.5 | INSPECT ALL WAYS. CHECK ALL MACHINE GIBS FOR ADJUSTMENT, CHECK SHOP OIL LEVELS AND BELT TENSION. CLEAN MACHINE AS NECESSARY, INSPECT THE ASSOCIATED DUST KOP VACUUM SYSTEM. CLEAN FILTER WHEN NECESSARY. | | |
| LATH-04 | 597 | 4y | 1 | 1 | 1.) LUBRICATE DRIVE MOTOR. 2.) MACHINE) INSPECT BELTS FOR WEAR & SHOP PROPERTENSION. | | |
| LATH-04 | 603 | 1y | 1 | 2 | 1.) CHANGE HEADSTOCK, GEARBOXMACHINE & APRONOIL. DO NOT OVERSHOP FILL, MAXIMUM 3/4OF VISIBLE OIL LEVEL. | | |
| LATH-05 | 604 | 1y | 1 | 1 | 1.) CHANGE FRAME OIL & OIL MACHINE FILTER. 2.) CLEAN OIL PUMP SHOP SUCTION SCREEN. 3.) CLEAN INLET FILTER ELEMENT. 4.) CLEAN UNIT & CHECK ALL CONNECTIONS. 5.) CHECK VALVES FOR PROPER LUBRICATION. | | |
| LATH-06 | 605 | 1y | 1 | 0.5 | 1.) CHANGE FRAME OIL & OIL FILTER. 2.) CLEAN OIL PUMP SUCTION SCREEN. 3.) CLEAN INLET FILTER ELEMENT. 4.) CLEAN UNIT & CHECK ALL CONNECTIONS. 5.) CHECK VALVES FOR PROPER LUBRICATION. | | |
| LDT-01 | 1079 | 12y | 1 | 2 | INSPECT AND TEST PROBES FOR TRACK #6 CONTAMINATION AND NEONWEST INDICATORS LAMPS ON CONTROL PANEL, TO INCLUDE ALL 8 | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| MAHO-01 | 606 | 1w | 1 | 2 | 1.) CLEAN ENTIRE MACHINE. 2.)MACHINE CLEAN LIMIT SWITCHES & ALL SHOP AREASOF ENCLOSURES COVERING MOVINGMACHINE PARTS. | | |
| MAHO-01 | 609 | 12y | 1 | 1.5 | 1.) CHECK EMERGENCY STOPMACHINE FUNCTIONS & ALL LIMIT SHOP SWITCHES CONTROLLING AXIS | | |
| MAHO-01 | 611 | 6y | 1 | 1.5 | 1)CHECK ALL SAFETY DECALS MACHINE INSTALLED & LEDGIBLE, VERIFYSHOP HUB BRAKES, CHANGE OIL & FILTERS, INSPECT ELECTRICAL WIRES FOR WEAR, GREASE PLAT MOTOR BEARING (SEE mpc) | | |
| MAHO-01 | 613 | 3y | 1 | 2 | 1.) CHK WEAR & TENSION-MAIN MACHINE DRIVE V-BELT 2.) CHK WEAR & SHOP TENSION-FEED DRIVE BELT. 3.) CHK MAIN TRANSMISSION FOR NOISE. 4.) CHK SEAL & CLEAN INTERIOR OF CABINET 5.) CHK ALL TERMINALS & CONNECTIONS. | | |
| MAHO-01 | 3005 | 2y | 1 | 1 | REPLACE BACK UP BATTERY IN MACHINE DISPLAY AND IN UNIT SHOP | | |
| MAHO-02 | 607 | 1w | 1 | 2 | 1.) CLEAN ENTIRE MACHINE. 2.)MACHINE CLEAN LIMIT SWITCHES & ALL SHOP AREASOF ENCLOSURES COVERING MOVINGMACHINE PARTS. | | |
| MAHO-02 | 610 | 12y | 1 | 1.5 | 1.) CHECK EMERGENCY STOPMACHINE FUNCTIONS & ALL LIMIT SHOP SWITCHES CONTROLLING AXIS | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| MAHO-02 | 612 | 6y | 1 | 1.5 | 1) CHECK ALL CONNECTIONS ON MACHINE; HYDRAULICS & COOLANT SYSTEM SHOP FOR LEAKS, CHECK ALL ELECTRICAL CONNECTIONS, INSPECT ALL THREADED CAPS OF ALL FUSES, INSPECT ALL WAYS FOR PROPER OIL LEVELS. | | |
| MAHO-02 | 614 | 3y | 1 | 1.5 | 1.) CHK WEAR & TENSION-MAIN MACHINE DRIVE V-BELT 2.) CHK WEAR & SHOP TENSION-FEED DRIVE BELT. 3.) CHK MAIN TRANSMISSION FOR NOISE. 4.) CHK SEAL & CLEAN INTERIOR OF CABINET 5.) CHK ALL TERMINALS & CONNECTIONS. | | |
| MAHO-02 | 3006 | 2y | 1 | 1 | REPLACE BACK UP BATTERY IN MACHINE DISPLAY AND IN UNIT SHOP | | |
| MFLX-01 | 618 | 4y | 1 | 4 | CHECK ALL SWITCHES AND WHEEL & MP CONNECTORS, CHECK WIRES AND AXLE SHOP CABLES, CHECK INDICATORS, CHECK FOR PROPER VOLTAGE OUTPUT, CHECK WHEELS FOR LUBRICATION. | | |
| MFLX-01 | 616 | 3y | 1 | 1.5 | 1.) CLEAN INTERIOR & EXTERIOR WHEEL & OF MACHINE 2.) INSPECT ALL AXLE SHOP CIRCUITS & WIRING. 3.) INSPECT ALL PLUMBING. 4.) INSPECT BLACKLIGHT INTENSITY. | | |
| MFLX-02 | 619 | 4y | 2 | 1 | 1.) CERTIFICATION OF THE WHEEL & UNIT'S AMMETER. 2.) AXLE SHOP CERTIFICATION OF THE SHOT TIMER. 3.) REPLACEMENT OF MAGNAFLUX | | |
| MFLX-02 | 617 | 2y | 1 | 4 | 1.) CLEAN INTERIOR & EXTERIOR WHEEL & MP OF MACHINE 2.) INSPECT ALL AXLE SHOP CIRCUITS & WIRING. 3.) INSPECT ALL PLUMBING. 4.) INSPECT BLACKLIGHT INTENSITY. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| MOB-LIFT-1 | 1095 | 12y | 1 | 3 | 1)CHECK FOR HYDRAULIC LEAKS, ALL AREAS LOOSE OR MISSING FASTENERS, INSPECT FOR CORROSION, INSPECT TIRE TREAD, VERIFY WHEEL BOLT LUG TORQUE, INSPECT BOON COMPONENTS, CYLINDERS FOR CRACKS, GREASE BOON CYLINDER, INSPECT PLATFORM FOR CRACKS | | |
| MOB-LIFT-1 | 1096 | 2y | 1 | 3 | 1)CHECK ALL SAFETY DECALS ALL AREAS INSTALLED & LEGIBLE, VERIFY HUB BRAKES, CHANGE OIL & FILTERS, INSPECT ELECTRICAL WIRES FOR WEAR, GREASE PLAT MOTOR BEARING (SEE mpc) | | |
| MON-01 | 1052 | 12y | 1 | 1 | INSPECT: 1.) HOOKS, SHEAVES & AIR BRAKE HOUSING. 2.) ALL ELECTRICAL SHOP WIRING. 3.) TRANSMISSION LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE. | | |
| MPW-01 | 3016 | 1w | 1 | 2 | Replace filter cartridge, The Brake remove filter screen, grease Shop basket bearings, change solution. (old solution to Haz Mat) Remove sprayer to clean nozzles, and take solution sample for testing | | |
| MPW-01 | 3021 | 1w | 1 | 2 | Replace filter cartridge, The Brake remove filter screen, grease Shop basket bearings, add solution, Remove sprayer to clean nozzles, and take solution sample for testing | | |
| MPW-01 | 3008 | 12y | 1 | 2 | Replace filter cartridge, The Brake remove filter screen, grease Shop basket bearings, add solution, Remove sprayer to clean nozzles, and take solution sample for testing | | |
| MPW-02 | 3009 | 12y | 1 | 2 | Replace filter cartridge, A/C SHOP remove filter screen, grease basket bearings, add solution, Remove sprayer to clean nozzles, and take solution sample for testing | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| MPW-02 | 3015 | 12y | 1 | 2 | Replace filter cartridge, A/C SHOP remove filter screen, grease basket bearings, change solution, (old solution to Haz Mat) Remove sprayer to clean nozzles, and take solution sample for testing | | |
| MPW-03 | 3014 | 12y | 1 | 2 | Replace filter cartridge, ELECTRONIC remove filter screen, grease SHOP basket bearings, change solution, (old solution to Haz Mat) Remove sprayer to clean nozzles, and take solution sample for testing | | |
| MPW-04 | 3017 | 1w | 1 | 2 | Turn off Main Power, check TRUCK WASH and clean nozzles, Remove and AREA Clean Filters, Clean Water Level Probes, Run Oil Skimmer, Grease Basket | | |
| MPW-04 | 3018 | 12y | 1 | 3.5 | Turn off Power, Clean Out TRUCK WASH pipes, Remove Solid Waste, AREA Remove and Replace Filters, Clean Out Reservoir, removing solid waste through hatch, Replace Fluid in reservoir, Run oil skimmer, Grease basket | | |
| MUEM-01 | 998 | 1y | 1 | 1 | REPLACE GEAR OIL, MOTOR SHOPMUEM-02997 | | |
| MUEM-01 | 996 | 12y | 1 | 1 | CHECK GEAR OIL, GREASE MOTOR SHOP FITTINGS, LIMIT SWITCHES AND ALL CONNECTIONS FOR PROPER OPERATION. | | |
| MUEM-02 | 999 | 1y | 1 | 1 | REPLACE GEAR OIL, MOTOR SHOP | | |
| NONE | 1072 | 4y | 1 | 8 | ROUTINE SYSTEM MAINTENANCE, Select CO ANALYZE DATABASES, VERIFY Location... DI INDEXES, ANALYZE LAN, PERFORMED BY ITD OPERATIONS AND MAINTENANCE SYSTEMS SUPPORT DIVISION. | | |

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 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| OHD-01 | 620 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #9 CHAIN GEAR MECHANISM. WEST | | |
| OHD-01 | 644 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #9 CHECK ALL ELECTRICAL WEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-02 | 621 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #8 CHAIN GEAR MECHANISM. WEST | | |
| OHD-02 | 645 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #8 CHECK ALL ELECTRICAL WEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-03 | 622 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #7 CHAIN GEAR MECHANISM. WEST | | |
| OHD-03 | 646 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #7 CHECK ALL ELECTRICAL WEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-04 | 623 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #6 CHAIN GEAR MECHANISM. WEST | | |
| OHD-04 | 647 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #6 CHECK ALL ELECTRICAL WEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-05 | 624 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #5 CHAIN GEAR MECHANISM. WEST | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| OHD-05 | 648 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #5 CHECK ALL ELECTRICAL WEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-06 | 625 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #5 CHAIN GEAR MECHANISM. EAST | | |
| OHD-06 | 649 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #5 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-07 | 626 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #6 CHAIN GEAR MECHANISM. EAST | | |
| OHD-07 | 650 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #6 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-08 | 627 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #7 CHAIN GEAR MECHANISM. EAST | | |
| OHD-08 | 651 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #7 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-09 | 629 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #8 CHAIN GEAR MECHANISM. EAST | | |
| OHD-09 | 652 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #8 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| OHD-10 | 630 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #9 CHAIN GEAR MECHANISM. EAST | | |
| OHD-10 | 633 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #9 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-11 | 631 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #10 CHAIN GEAR MECHANISM. EAST | | |
| OHD-11 | 634 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #10 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-12 | 632 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #11 CHAIN GEAR MECHANISM. EAST | | |
| OHD-12 | 635 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #11 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-13 | 633 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #12 CHAIN GEAR MECHANISM. EAST | | |
| OHD-13 | 636 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #12 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-14 | 637 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #13 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| OHD-14 | 634 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #13 CHAIN GEAR MECHANISM. EAST | | |
| OHD-15 | 635 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #14 CHAIN GEAR MECHANISM. EAST | | |
| OHD-15 | 658 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #14 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-16 | 636 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND DELIVERY CHAIN GEAR MECHANISM. TRACK | | |
| OHD-16 | 659 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) DELIVERY CHECK ALL ELECTRICAL TRACK CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-17 | 637 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #15 CHAIN GEAR MECHANISM. EAST | | |
| OHD-17 | 660 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #15 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-18 | 638 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND TRACK #16 CHAIN GEAR MECHANISM. EAST | | |
| OHD-18 | 661 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) TRACK #16 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-19 | 639 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND STOCK ROOM CHAIN GEAR MECHANISM. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| OHD-19 | 662 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) STOCKROOM CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-20 | 640 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND STOCKROOM CHAINGEAR MECHANISM. | | |
| OHD-20 | 663 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) STOCKROOM CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-21 | 641 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND STOCKROOM CHAINGEAR MECHANISM. | | |
| OHD-21 | 664 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) STOCKROOM CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-22 | 642 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND STOCKROOM CHAINGEAR MECHANISM. | | |
| OHD-22 | 665 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) STOCKROOM CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-23 | 666 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) STOCKROOM CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-23 | 643 | 12y | 1 | 1 | 1.) LUBRICATE DOOR TRACKS AND STOCKROOM CHAINGEAR MECHANISM. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| OHD-24 | 1034 | 6y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) MACHINE CHECK ALL ELECTRICAL SHOP CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-25 | 1035 | 6y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) STOCKROOM CHECK ALL ELECTRICAL ENTRANCE CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-26 | 1036 | 6y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) AIR BRAKE CHECK ALL ELECTRICAL SHOP CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-27 | 1037 | 6y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) BATTERY CHECK ALL ELECTRICAL SHOP CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-28 | 1038 | 6y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) GROUND FL. CHECK ALL ELECTRICAL PASSAGEWAY CONNECTIONS. 3.) CHECK DOOR BY ELEVATOR FOR PROPER OPERATION. | | |
| OHD-29 | 1039 | 6y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) JENT TO CHECK ALL ELECTRICAL HEAVY CONNECTIONS. 3.) CHECK DOOR REPAIR SHOP FOR PROPER OPERATION. | | |
| OHD-30 | 1040 | 6y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) A.C./SHP CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |
| OHD-31 | 1041 | 6y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) A/C SHOP CHECK ALL ELECTRICAL CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| OHD-32 | 3037 | 12y | 1 | 0.5 | 1.) LUBRICATE DOOR TRACKS AND WHEEL CHAIN GEAR MECHANISM. TRUING BLDG EAST | | |
| OHD-32 | 3035 | 6y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) WHEEL. CHECK ALL ELECTRICAL TRUING BLDG CONNECTIONS. 3.) CHECK DOOR EAST FOR PROPER OPERATION. | | |
| OHD-33 | 3036 | 6y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) WHEEL. CHECK ALL ELECTRICAL TRUING BLDG CONNECTIONS. 3.) CHECK DOOR WEST FOR PROPER OPERATION. | | |
| OHD-33 | 3038 | 12y | 1 | 0.5 | 1.) LUBRICATE DOOR TRACKS AND WHEEL CHAIN GEAR MECHANISM. TRUING BLDG WEST | | |
| OILRS | 971 | 12y | 1 | 5 | 1.) INLINE OILER CHECK. FILL ENTIRE ALL INLINE OILERS. BUILDING | | |
| OSEP | 1087 | 5w | 1 | 1 | FLUSH DRAINS FOR THREE HOURS AND POUR ENZYME INTO DRAIN AFTER FLUSHING. PERFORM BETWEEN 3PM AND 6PM MONDAY, WEDNESDAY AND FRIDAY | | |
| OSPMP-01 | 12 | 4y | 1 | 1 | CHECK FOR PROPER OPERATION, HEAVY CHECK LEVEL CONTROLS, CHECK REPAIR 16 IN LINE OILER, DRAIN WATER IN TRACK SEPERATOR. | | |
| OVEN-01 | 970 | 1w | 1 | 0.75 | 1.) LUBRICATE OVEN CART MACHINE WHEELS AS REQUIRED. USE HY SHOP TEMP GREASE. | | |
| OVEN-03 | 1028 | 12y | 1 | 0.5 | CHECK FOR PROPER OPERATION, ELECTRONIC CHECK THERMOSTAT TIMER, DOOR SHOP INTERLOCK AND ALL SAFETY DEVICES, INSPECT BLOWER FAN FOR PROPER OPERATION | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| OVEN-04 | 1029 | 12y | 1 | 0.5 | CHECK FOR PROPER OPERATION, ELECTRONIC CHECK THERMOSTAT TIMER, DOOR SHOP INTERLOCK AND ALL SAFETY DEVICES. INSPECT BLOWER FAN FOR PROPER OPERATION | | |
| OVS-01 | 1009 | 4y | 2 | 2 | CLEAN OIL WATER SEPERATOR TRACK #5 SCREEN, REPLACE WHEN NECESSARY. | | |
| PAB | 3000 | 12y | 2 | 16 | PERFORM MAINTENANCE & PROVIDE ALL AREAS TECHNICAL SUPPORT FOR THE INSIGHT AT BUILDING MANAGEMENT SYSTEM AT THE HARRISON CAR MAINTENANCE FACILITY IN ACCORDANCE WITH CONTRACT AGREEMENT. | | |
| PAB | 975 | 7w | 1 | 7 | WATCH ENGINEER 6:00 a. m. - ALL AREAS 2:00 p.m. INSPECT ALL AREAS AS LISTED ON INSPECTION SHEET. | | |
| PAB | 976 | 7w | 1 | 8 | WATCH ENGINEER 2:00 p.m. - ALL AREAS 10:00 p.m. INSPECT ALL AREAS AS LISTED ON INSPECTION SHEET. | | |
| PAB | 977 | 7w | 1 | 8 | WATCH ENGINEER 10:00 p.m. - ALL AREAS 6:00 a.m. INSPECT ALL AREAS AS LISTED ON INSPECTION SHEET. | | |
| PAB-01 | 978 | 12y | 1 | 16 | Spot relamp all offices, 1st FLOOR hallways, stairways and shop areas including the blowdown area Wipe down all fixtures when relamping, including the interior of fixture and lens. Replace ballast where necessary. Wear proper safety equipment when required | | |
| PAB-02 | 992 | 12y | 1 | 2 | Spot relamp all offices, 2nd FLOOR hallways, stairways. Wipe down all fixtures when relamping, including the interior of fixture and lens. Replace ballast where necessary. Wear proper safety equipment when required. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| PAB-03 | 991 | 12y | 1 | 4 | Spot relamp all offices, 3rd FLOOR hallways, shop areas, cafeteria, stairways and Passerelle. Wipe down all fixtures when relamping, including the interior of fixture and lens. Replace ballast where necessary. Wear proper safety equipment when required. | | |
| PB-01 | 669 | 2y | 1 | 1.5 | 1.) CHECK ALL CAP SCREWS AND SHEET METAL NUTS. 2.) CLEAN AIR BREATHER SHOP LOCATED ON TOP OF RESERVOIR. 3.) CLEAN MAGNETIC SUCTION LINE STRAINER 4.) REPLACE RETURN LINE FILTER ELEMENT. | | |
| PB-01 | 668 | 2y | 1 | 1 | IN ADDITION TO MONTHLY CHECK: SHEET METAL 1.) CONDITION OF HYDRAULIC SHOP OIL AFTER A FEW HOURS OF USE. 2.) PUMP SUCTION LINES FOR TIGHTNESS. 3.) CLEAN AIR BREATHER/TOP OF RESERVOIR. | | |
| PB-01 | 667 | 12y | 1 | 1 | INSPECT LEVEL CONTROL TAPE, SHEET METAL PULLEYS, HYDRAULIC LINES, SHOP MANIFOLD BLOCKS, PISTON RODS, LEVELNESS, RETURN LINE FILTER, FT SWITCH CABLE, SUCTION LINE STRAINER, PUSH BUTTONS, RELAYS & OTHER CONNECTIONS | | |
| PBTH-01 | 670 | 12y | 1 | 1 | INSPECT: 1.) OPERATION OF SHEET METAL PUMPING & VENT UNIT. 2.) ALL SHOP HOSES, PIPES & FITTINGS. 3.) ALL BELTS FOR WEAR & PROPER TENSION. 4.) CLEAN OR REPLACE FILTERS AS REQUIRED | | |
| PBTH-01 | 671 | 4y | 1 | 1 | 1.) LUBRICATE PUMP & FAN SHEET METAL SHAFT BEARINGS. 2.) LUBRICATE SHOP MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL CONTROLS. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| PBTH-01 | 672 | 1y | 1 | 1 | 1.) CHECK COUPLING & SHAFT SHEET METAL ALIGNMENT. 2.) CHECK PUMP & SHOP MOTOR BEARINGS FOR WEAR. 3.) INSPECT & REPLACE STARTER CONTACTS, IF NECESSARY. | | |
| PL-01 | 1067 | 1w | 1 | 1 | INSPECT UNIT, INCLUDING BATTERY BATTERY WATER LEVEL, SHOP ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS. GREASE UNIT WHEN NECESSARY | | |
| PL-02 | 1068 | 1w | 1 | 1 | INSPECT UNIT, INCLUDING ELECTRIC BATTERY WATER LEVEL, SHOP ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS. GREASE UNIT WHEN NECESSARY | | |
| PI-03 | 1069 | 1w | 1 | 1 | INSPECT UNIT, INCLUDING A/C SHOP BATTERY WATER LEVEL, ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY | | |
| PI-04 | 994 | 1w | 1 | 1 | INSPECT UNIT, INCLUDING AIR BATTERY WATER LEVEL, COMPRESSOR ELECTRICAL CONNECTIONS AND SHOP BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY | | |
| PI-05 | 995 | 1w | 1 | 1 | INSPECT UNIT, INCLUDING STOCKROOM BATTERY WATER LEVEL, ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| PMP-01 | 673 | 4y | 1 | 0.5 | 1.) LUBRICATE PUMP AND MOTOR BOILER ROOM USING NLGI #2 GREASE. | | |
| PMP-02 | 674 | 4y | 1 | 0.5 | 1.) LUBRICATE PUMP AND MOTOR BOILER ROOM USING NLGI #2 GREASE. | | |
| PMP-03 | 675 | 4y | 1 | 0.5 | 1.) LUBRICATE PUMP AND MOTOR BOILER ROOM USING NLGI #2 GREASE. | | |
| PROG-01 | 676 | 12y | 1 | 1.5 | CHK GEAR MOTOR LUBRICATION. TRUCK SHOP CLEAN ROBOT TRACK & CHK TRUCK DRIVE ARM. LUBE BEARINGS (NLGI#1, ALMAGUARD #3751) CHK ROBOT DRIVE CHAIN FOR PROPER TENSION REMOVE ROBOT & INSPECT ALL MOVING PARTS. | | |
| RABS-01 | 1001 | 12y | 1 | 1.5 | INSPECT 10 REMOTE AIRBLOWDOWN BREATHING STATION REGULATORS. AREA CHECK FOR PROPER OPERATION. CHECK FOR AIR LEAKS. CHECK THAT DUST COVERS ARE IN PLACE. | | |
| RAD-01 | 981 | 12y | 1 | 1 | REF. AIR DRYER. 1.) CLEAN BOILER ROOM CO CONDENSER COILS OF RO ACCUMULATED DUST & DIRT WITH A SOFT BRUSH OR COMPRESSED AIR UNDER 30 PSI. 2.) DEPRESSURIZE THE DRYER. DISMANTLE & CLEAN THE SEPARATOR & DRAIN TRAP. | | |
| RAD-01 | 979 | 1w | 1 | 1 | INSPECT REFRIGERATION SYSTEM. BOILER ROOM CO 1) CHECK CONDENSOR AND CLEAN RO IF NECESSARY 2) CHECK OPERATION OF CONDENSOR FANS AND CHECK CYCLE OF FANS AND CLEAN PROTECTIVE GRATES 3) CHECK ALL ELECTRICAL CONNECTIONS, COMPRESSOR AND FAN MOTOR AMP READINGS | | |

**APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| RAD-02 | 980 | 1w | 1 | 1 | INSPECT REFRIGERATION SYSTEM, BOILER ROOM CO 1) CHECK CONDENSOR AND CLEAN RO IF NECESSARY 2) CHECK OPERATION OF CONDENSOR FANS AND CHECK CYCLE OF FANS AND CLEAN PROTECTIVE GRATES 3) CHECK ALL ELECTRICAL CONNECTIONS, COMPRESSOR AND FAN MOTOR AMP READINGS | | |
| RAD-02 | 982 | 12y | 1 | 1 | REF. AIR DRYER. 1.) CLEAN BOILER ROOM CO CONDENSER COILS OF RO ACCUMULATED DUST & DIRT WITH A SOFT BRUSH OR COMPRESSED AIR UNDER 30 PSI. 2.) DEPRESSURIZE THE DRYER, DISMANTLE & CLEAN THE SEPARATOR & DRAIN TRAP. | | |
| RF-01 | 703 | 12y | 1 | 1 | 1.) CHECK BELT FOR PROPER MECH TENSION. 2.) INSPECT FAN PLATFORM SHAFT. | | |
| RF-01 | 709 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) MECH CHECK FOR OVERHEATING & PLATFORM NOISE. | | |
| RF-01 | 715 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. MECH PLATFORM | | |
| RF-02 | 704 | 12y | 1 | 1 | 1.) CHECK BELT FOR PROPER MECH TENSION. 2.) INSPECT FAN PLATFORM SHAFT. | | |
| RF-02 | 710 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) MECH CHECK FOR OVERHEATING & PLATFORM NOISE. | | |
| RF-02 | 716 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. MECH PLATFORM | | |
| RF-03 | 718 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. MECH PLATFORM | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| RF-03 | 705 | 12y | 1 | 1 | 1.) CHECK BELT FOR PROPER MECH TENSION. 2.) INSPECT FANPLATFORM SHAFT. | | |
| RF-03 | 711 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.)MECH CHECK FOR OVERHEATING &PLATFORM NOISE. | | |
| RF-04 | 719 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS.MECH PLATFORM | | |
| RF-04 | 712 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.)MECH CHECK FOR OVERHEATING &PLATFORM NOISE. | | |
| RF-04 | 706 | 12y | 1 | 1 | 1.) CHECK BELT FOR PROPER MECH TENSION. 2.) INSPECT FANPLATFORM SHAFT. | | |
| RF-05 | 707 | 12y | 1 | 1 | 1.) CHECK BELT FOR PROPER MECH TENSION. 2.) INSPECT FANPLATFORM H-SHAFT. 29 | | |
| RF-05 | 713 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.)MECH CHECK FOR OVERHEATING &PLATFORM H-NOISE. 29 | | |
| RF-05 | 720 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS.MECH PLATFORM H- 29 | | |
| RF-06 | 708 | 12y | 1 | 1 | 1.) CHECK BELT FOR PROPER CONTROL TENSION. 2.) INSPECT FANTOWER SHAFT. | | |
| RF-06 | 714 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.)CONTROL CHECK FOR OVERHEATING &TOWER NOISE. | | |
| RF-06 | 721 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS.CONTROL TOWER | | |
| RH-01 | 677 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH M 316 COMPRESSED AIR. LUNCH ROOM | | |

**APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| RH-02 | 678 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH SUPERVISOR' COMPRESSED AIR. S OFFICE CED | | |
| RH-03 | 679 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH SUPERVISOR' COMPRESSED AIR. S OFFICE CED | | |
| RH-04 | 680 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH M-COMPRESSED AIR. 320/Inside M-320 | | |
| RH-05 | 681 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH ASST. COMPRESSED AIR. SUPER. | | |
| RH-06 | 682 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH CONFERENCE COMPRESSED AIR. ROOM | | |
| RH-07 | 683 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH ASST. COMPRESSED AIR. SUPER. | | |
| RH-08 | 684 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH ASST. COMPRESSED AIR. SUPER. | | |
| RH-09 | 685 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH M-309 - COMPRESSED AIR. TRAINING ROOM | | |
| RH-10 | 686 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH PURCHASING COMPRESSED AIR. M 322 | | |
| RH-11 | 687 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH COMPUTER COMPRESSED AIR. ROOM | | |
| RH-12 | 688 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH TRK 6 EAST. COMPRESSED AIR. TOILET | | |
| RH-13 | 690 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH RECEPTIONIS COMPRESSED AIR. T AREA | | |
| RH-14 | 691 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH PAYROLL COMPRESSED AIR. | | |
| RH-15 | 692 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH M-354,354B COMPRESSED AIR. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| RII-16 | 693 | 1y | 1 | 0.5 | 1.) CLEAN ALL FIN TUBES WITH RECEPTIONIS COMPRESSED AIR. T AREA | | |
| RII-01 | 993 | 12y | 1 | 0.5 | CHECK EXHAUST HOOD MOTOR AND ELECTRONIC LIGHTS FOR PROPER OPERATION. SHOP | | |
| RMCO-01 | 722 | 1w | 1 | 1 | 1.) CHK ALL CONDUIT/CABLE ELECTRIC CONNECTIONS. 2.) TEST ALL SHOP BULBS. 3.) CHK ALL FUSES. 4.) CHK DRAIN VALVE FOR PROPER OPERATION 5.) CHK LUBRICATOR FOR PROPER OIL LEVEL. | | |
| RMCO-02 | 723 | 1w | 1 | 1 | 1.) CHK ALL CONDUIT/CABLE ELECTRIC CONNECTIONS. 2.) TEST ALL SHOP BULBS. 3.) CHK ALL FUSES. 4.) CHK DRAIN VALVE FOR PROPER OPERATION 5.) CHK LUBRICATOR FOR PROPER OIL LEVEL. | | |
| RMCO-03 | 724 | 1w | 1 | 1 | 1.) CHK ALL CONDUIT/CABLE ELECTRIC CONNECTIONS. 2.) TEST ALL SHOP BULBS. 3.) CHK ALL FUSES. 4.) CHK DRAIN VALVE FOR PROPER OPERATION 5.) CHK LUBRICATOR FOR PROPER OIL LEVEL. | | |
| RMCO-04 | 1070 | 12y | 1 | 1 | 1.) CHK ALL CONDUIT/CABLE AIR BRAKE CONNECTIONS. 2.) TEST ALL SHOP BULBS. 3.) CHK ALL FUSES. 4.) CHK DRAIN VALVE FOR PROPER OPERATION 5.) CHK LUBRICATOR FOR PROPER OIL LEVEL. | | |
| RMCO-05 | 1071 | 1w | 1 | 1 | 1.) CHK ALL CONDUIT/CABLE ELECTRONIC CONNECTIONS. 2.) TEST ALL SHOP BULBS. 3.) CHK ALL FUSES. 4.) CHK DRAIN VALVE FOR PROPER OPERATION 5.) CHK LUBRICATOR FOR PROPER OIL LEVEL. | | |

**APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| ROOF-INS | 1090 | 1w | 1 | 1 | INSPECT ROOF SURFACE ALL ROOF AREAS REMOVE DEBRIS | | |
| ROTO-01 | 725 | 4y | 1 | 2 | 1.) FLUSH OUT STRAINER. 2.) BLOWDOWN INSPECT SPRAY NOZZLES. 3.) ROOF REMOVE SLUDGE DEPOSITS AT BORDERLINE OF WET & DRY ZONES. CLEAN GASKET SEAL BEFORE CLOSING DOOR. | | |
| ROTO-01 | 729 | 2y | 2 | 3 | 1.) CLEAN GRATING AT BOTTOM BLOWDOWN OF HOPPER. 2.) CLEAN SLUDGE ROOF DRAIN & PIPE. 3.) CLEAN ROTO CLONE IMPELLAR BLADES. 4.) FLUSH & REFILL PILLOW BLOCK BEARINGS 5.) GREASE SHAFT SEAL. | | |
| ROTO-02 | 726 | 4y | 1 | 2 | 1.) FLUSH OUT STRAINER. 2.) BLOWDOWN INSPECT SPRAY NOZZLES. 3.) ROOF REMOVE SLUDGE DEPOSITS AT BORDERLINE OF WET & DRY ZONES. CLEAN GASKET SEAL BEFORE CLOSING DOOR. | | |
| ROTO-02 | 730 | 2y | 2 | 3 | 1.) CLEAN GRATING AT BOTTOM BLOWDOWN OF HOPPER. 2.) CLEAN SLUDGE ROOF DRAIN & PIPE. 3.) CLEAN ROTO CLONE IMPELLAR BLADES. 4.) FLUSH & REFILL PILLOW BLOCK BEARINGS 5.) GREASE SHAFT SEAL. | | |
| ROTO-03 | 727 | 4y | 1 | 2 | 1.) FLUSH OUT STRAINER. 2.) BLOWDOWN INSPECT SPRAY NOZZLES. 3.) ROOF REMOVE SLUDGE DEPOSITS AT BORDERLINE OF WET & DRY ZONES. CLEAN GASKET SEAL BEFORE CLOSING DOOR. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| ROTO-03 | 731 | 2y | 2 | 3 | 1.) CLEAN GRATING AT BOTTOM BLOWDOWN OF HOPPER. 2.) CLEAN SLUDGE ROOF DRAIN & PIPE. 3.) CLEAN ROTO CLONE IMPELLAR BLADES. 4.) FLUSH & REFILL PILLOW BLOCK BEARINGS 5.) GREASE SHAFT SEAL. | | |
| ROTO-04 | 728 | 4y | 1 | 2 | 1.) FLUSH OUT STRAINER. 2.) BLOWDOWN INSPECT SPRAY NOZZLES. 3.) ROOF REMOVE SLUDGE DEPOSITS AT BORDERLINE OF WET & DRY ZONES. CLEAN GASKET SEAL BEFORE CLOSING DOOR. | | |
| ROTO-04 | 732 | 2y | 2 | 3 | 1.) CLEAN GRATING AT BOTTOM BLOWDOWN OF HOPPER. 2.) CLEAN SLUDGE ROOF DRAIN & PIPE. 3.) CLEAN ROTO CLONE IMPELLAR BLADES. 4.) FLUSH & REFILL PILLOW BLOCK BEARINGS 5.) GREASE SHAFT SEAL. | | |
| RP-01 | 733 | 4y | 1 | 0.5 | 1.) CLEAN ALL LOUVER AND ROOF GRATES TO PREVENT RESTRICTED AIR FLOW. | | |
| RP-02 | 734 | 4y | 1 | 0.5 | 1.) CLEAN ALL LOUVER AND UPPER MEZ. GRATES TO PREVENT RESTRICTED AIR FLOW. | | |
| RP-03 | 735 | 4y | 1 | 0.5 | 1.) CLEAN ALL LOUVER AND ROOF GRATES TO PREVENT RESTRICTED AIR FLOW. | | |
| RP-04 | 736 | 4y | 1 | 0.5 | 1.) CLEAN ALL LOUVER AND ROOF GRATES TO PREVENT RESTRICTED AIR FLOW. | | |
| RT-01 | 1010 | 2y | 1 | 1 | CHECK LEVEL CONTROL, CLEAN TRACK #6 TANK AND CHECK ALL CONNECTIONS. | | |

**APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| RT-02 | 1011 | 2y | 1 | 1 | CHECK LEVEL CONTROL, CLEAN BATTERY TANK AND CHECK ALL SHOP CONNECTIONS. | | |
| SAFETY-01 | 1077 | 12y | 7 | 3.5 | CONDUCT SAFETY MEETING ON UNASSIGNED SAFE WORK PRACTICES, A SAFE AREA WORK ENVIRONMENT AND HAZARDS IN THE WORK PLACE. | | |
| SAFETY-01 | 1098 | 1y | 4 | 4 | Conduct annual spillUNASSIGNED sp prevention briefing. Discuss AREAc near misses or incidents to prevent reoccurrence. | | |
| SAW-01 | 1016 | 12y | 1 | 1 | INSPECT BEARINGS, GREASE WHENMACHINE NECESSARY. CHECK DRIVESHOPE BELTSAND SHEEVES. CHECK CUTTING FLUID LEVEL. INSPECT BLADE FOR WEAR. WHERE SAFETY GLASSES WHEN UNIT IS RUNNING. | | |
| SCT-01 | 3010 | 1w | 1 | 1 | thoroughly clean inside of CAFETERIA cabinet | | |
| SCT-01 | 3011 | 12y | 1 | 2 | Sanitize bin interior after CAFETERIA removing ice | | |
| SCT-01 | 3012 | 1y | 1 | 2 | Change filter on inlet side, CAFETERIA flush drain line | | |
| SF-01 | 737 | 12y | 1 | 1 | 1.) CHECK BELTS FOR PROPER MECH TENSION. 2.) INSPECT FANPLATFORM SHAFT. | | |
| SF-01 | 743 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.)MECH CHECK FOR OVERHEATING &PLATFORM NOISE. | | |
| SF-01 | 749 | 1y | 1 | 2 | 1.) CLEAN FAN WHEELS.MECH PLATFORM | | |
| SF-02 | 738 | 12y | 1 | 1 | 1.) CHECK BELTS FOR PROPER UPPER TENSION. 2.) INSPECT FANPLATFORM 9W SHAFT. 3.)CHANGE FILTERS AS REQUIRED | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| SF-02 | 743 | 4y | 1 | 1 | 1.) LUBRICATE MOTOR. 2.) UPPER CHECK FOR OVERHEATING & PLATFORM 9W NOISE. | | |
| SF-02 | 750 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. UPPER PLATFORM 9W | | |
| SF-10 | 739 | 12y | 1 | 0.5 | 1.) CHECK BELTS FOR PROPER TENSION. 2.) INSPECT FAN SHAFT. | | |
| SF-10 | 751 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. 2.8/ASF-11 | | |
| SF-10 | 745 | 4y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) 2.8/A CHECK FOR OVERHEATING & NOISE. | | |
| SF-11 | 746 | 4y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) 4.8/A CHECK FOR OVERHEATING & NOISE. | | |
| SF-11 | 752 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. 4.8/ASF-12 | | |
| SF-12 | 747 | 4y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) BLOWDOWN, CHECK FOR OVERHEATING & NORTH WALL NOISE. 6.8/A | | |
| SF-12 | 753 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. BLOWDOWN, NORTH WALL, 6.8/A | | |
| SF-13 | 742 | 12y | 1 | 0.5 | 1.) CHECK BELTS FOR PROPER BLOWDOWN TENSION. 2.) INSPECT FAN EAST #5 SHAFT, TRACK | | |
| SF-13 | 748 | 4y | 1 | 0.5 | 1.) LUBRICATE MOTOR. 2.) BLOWDOWN CHECK FOR OVERHEATING & EAST #5 NOISE, TRACK | | |
| SF-13 | 754 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. BLOWDOWN EAST #5 TRACK | | |
| SOAP-01 | 1002 | 12y | 1 | 1 | CHECK FOR PROPER OPERATION, BLOWDOWN CHECK FOR LEAKS AND ANY AREA DEFECTS IN HOLDING TANK | | |

**APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| SOUX-01 | 755 | 4y | 1 | 2 | 1.)CHK ALL HOSE & ELECTRICAL TRUCK WASH CONNECTIONS 2.)CLEAN RESIDUE AREA FROM FLOAT & SOLUTION TANKS & CLEAN BOTH STRAINERS. 3.)INSPECT PUMPS FOR LEAKS OR WORN PARTS 4.)CHK DRIVE BELTS FOR PROPER TENSION. | | |
| SOUX-01 | 758 | 2y | 1 | 1 | 1.) CLEAN AWAY DIRT FROM TRUCK WASH AROUND VENT OPENINGS. 2.)AREA CHK FOR OVERHEATING & NOISE. | | |
| SOUX-01 | 761 | 1y | 1 | 1 | 1.) LUBRICATE MOTOR. TRUCK WASH AREA | | |
| SOUX-02 | 756 | 4y | 1 | 1 | 1.)CHK ALL HOSE & ELECTRICAL TRUCK WASH CONNECTIONS 2.)CLEAN RESIDUE AREA FROM FLOAT & SOLUTION TANKS & CLEAN BOTH STRAINERS. 3.)INSPECT PUMPS FOR LEAKS OR WORN PARTS 4.)CHK DRIVE BELTS FOR PROPER TENSION. | | |
| SOUX-02 | 759 | 2y | 1 | 1 | 1.) CLEAN AWAY DIRT FROM TRUCK WASH AROUND VENT OPENINGS. 2.)AREA CHK FOR OVERHEATING & NOISE. | | |
| SOUX-02 | 762 | 1y | 1 | 1 | 1.) LUBRICATE MOTOR. TRUCK WASH AREA | | |
| SOUX-03 | 757 | 4y | 1 | 1 | 1.)CHK ALL HOSE & ELECTRICAL BATTERY CONNECTIONS 2.)CLEAN RESIDUE SHOP FROM FLOAT & SOLUTION TANKS & CLEAN BOTH STRAINERS. 3.)INSPECT PUMPS FOR LEAKS OR WORN PARTS 4.)CHK DRIVE BELTS FOR PROPER TENSION. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| SOUX-03 | 760 | 2y | 1 | 0.5 | 1.) CLEAN AWAY DIRT FROM BATTERY AROUND VENT OPENINGS. 2.) SHOP CHK FOR OVERHEATING & NOISE. | | |
| SOUX-03 | 763 | 1y | 1 | 0.5 | 1.) LUBRICATE MOTOR. BATTERY | | |
| SP-01 | 1030 | 2y | 2 | 5 | CHECK ALL ELECTRICAL BLOWDOWN CONNECTIONS FOR PROPER AREA OPERATION, INSPECT PITS FOR SLUDGE PUMP OUT WHEN NECESSARY, WEAR PROPER SAFETY EQUIPMENT. | | |
| SPK-01 | 1051 | 1y | 1 | 14 | INSPECT ALL PIPING AND HEADS ALL AREAS THROUGH OUT THE FACILITY FOR ANY LEAKS, CHECK FOR PIPE INTEGRITY, REPORT ANY PROBLEM AREAS TO SUPERVISOR. | | |
| SWS-01 | 1054 | 12y | 1 | 1 | CHECK FOR PROPER OPERATION, OUTSIDE INSPECT ALL ELECTRICAL BLOWDOWN CONNECTION. CHECK LEVEL NORTH SIDE CONTROL SWITCH, OPERATE ALL OF BLDG SAFETY SWITCHES, RELAMP CONTROL CENTER WHEN NECESSARY. CHECK FAN OPERATION. | | |
| TBLE-01 | 761 | 1y | 1 | 1 | 1.) CHK FOR ADEQUATE BEARING WHEEL LATHE LUBRICATION 2.) INSPECT LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |
| TBLE-02 | 765 | 1y | 1 | 1 | 1.) CHK FOR ADEQUATE BEARING DELIVERY LUBRICATION 2.) INSPECT TRACK WEST LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| TBLE-03 | 766 | ly | 1 | 1 | 1.) CHK FOR ADEQUATE BEARING TRACK #15 LUBRICATION 2.) INSPECT EAST LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |
| TBLE-04 | 767 | ly | 1 | 1 | 1.) CHK FOR ADEQUATE BEARING TRACK #16 LUBRICATION 2.) INSPECT LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |
| TBLE-05 | 768 | ly | 1 | 1 | 1.) CHK FOR ADEQUATE BEARING PROGRESSION LUBRICATION 2.) INSPECT TRACK LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |
| TBLE-06 | 769 | ly | 1 | 0.5 | 1.) CHK FOR ADEQUATE BEARING DELIVERY LUBRICATION 2.) INSPECT TRACK LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |
| TBLE-07 | 770 | ly | 1 | 1 | 1.) CHK FOR ADEQUATE BEARING TRUCK WASH LUBRICATION 2.) INSPECT AREA LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPER OPERATION. | | |
| TBS-01 | 771 | lw | 1 | 1 | 1.) SHAKE FILTERS. 2.) DUMP BLOWDOWN BIN AREA | | |
| TF-01 | 772 | 4y | 1 | 0.5 | 1.) INSPECT DIRECT DRIVER RUNNING ASSEMBLY FOR PROPER | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| TF-01 | 778 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. RUNNING REPAIR | | |
| TF-02 | 773 | 4y | 1 | 0.5 | 1.) INSPECT DIRECT DRIVER RUNNING ASSEMBLY FOR PROPER | | |
| TF-02 | 779 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. RUNNING REPAIR | | |
| TF-03 | 774 | 4y | 1 | 0.5 | 1.) INSPECT DIRECT DRIVER RUNNING ASSEMBLY FOR PROPER | | |
| TF-03 | 780 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. RUNNING REPAIR 6 & 7 WEST | | |
| TF-04 | 775 | 4y | 1 | 0.5 | 1.) INSPECT DIRECT DRIVER RUNNING ASSEMBLY FOR PROPER | | |
| TF-04 | 781 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. RUNNING REPAIR | | |
| TF-05 | 776 | 4y | 1 | 0.5 | 1.) INSPECT DIRECT DRIVER RUNNING ASSEMBLY FOR PROPER | | |
| TF-05 | 782 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. RUNNING REPAIR | | |
| TF-06 | 777 | 4y | 1 | 0.5 | 1.) INSPECT DIRECT DRIVER RUNNING ASSEMBLY FOR PROPER | | |
| TF-06 | 783 | 1y | 1 | 1 | 1.) CLEAN FAN WHEELS. RUNNING REPAIR | | |
| HHS1-01 | 784 | 12y | 2 | 3 | INSPECT JACK SCREW THREADS DELIVERY AND LIFT NUT. INSPECT GUIDE TRACK WEST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| THST-01 | 789 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS DELIVERY & PILLOW BLOCKS FOR TRACK WEST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS, ADD IF NECESS. | | |
| THST-01 | 794 | 1y | 2 | 2.5 | Visually inspect all DELIVERY lubrication points for proper TRACK WEST fluid levels and replenish when necessary. | | |
| THST-02 | 785 | 12y | 2 | 3 | INSPECT JACK SCREW THREADS DELIVERY AND LIFT NUT. INSPECT GUIDE TRACK EAST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| THST-02 | 790 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS DELIVERY & PILLOW BLOCKS FOR TRACK EAST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS, ADD IF NECESS. | | |
| THST-02 | 796 | 1y | 2 | 2.5 | Visually inspect all DELIVERY lubrication points for proper TRACK EAST fluid levels and replenish when necessary. | | |
| THST-03 | 786 | 12y | 2 | 3 | INSPECT JACK SCREW THREADS TRACK #15 AND LIFT NUT. INSPECT GUIDE WEST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| THST-03 | 791 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #15 & PILLOW BLOCKS FOR WEST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS, ADD IF NECESS. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| THST-03 | 797 | 1y | 2 | 2.5 | Visually inspect all TRACK #15 lubrication points for proper WEST fluid levels and replenish when necessary. | | |
| THST-04 | 787 | 12y | 2 | 3 | INSPECT JACK SCREW THREADS TRACK #15 AND LIFT NUT. INSPECT GUIDE EAST COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| THST-04 | 792 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #15 & PILLOW BLOCKS FOR EAST PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| THST-04 | 798 | 1y | 2 | 2.5 | Visually inspect all TRACK #15 lubrication points for proper EAST fluid levels and replenish when necessary. | | |
| THST-05 | 788 | 12y | 2 | 3 | INSPECT JACK SCREW THREADS TRACK #16 AND LIFT NUT. INSPECT GUIDE COLUMNS AND REDUCER. INSPECT ALL BEARINGS AND COVER HINGES. TEST ALL CONTROLS AND DEVICES. CLEAN ENTIRE PIT AREA | | |
| THST-05 | 793 | 2y | 2 | 3 | INSPECT: 1.) SHAFT COUPLINGS TRACK #16 & PILLOW BLOCKS FOR PROPER LUBRICATION. 2.) REPLACE 90W GEAR OIL / SCREW JACKS. 3.) OIL & GREASE LEVELS. ADD IF NECESS. | | |
| THST-05 | 799 | 1y | 2 | 1.5 | Visually inspect all TRACK #16 lubrication points for proper fluid levels and replenish when necessary. | | |
| TNK | 1027 | 1w | 1 | 1 | TAKE MEASUREMENT OF THREE OUTSIDE GEAR OIL TANKS WITH PERSONNEL BLOWDOWN FROM STOCKROOM. NORTH SIDE OF BLDG. | | |

**APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| INF-18601 | 1084 | 12y | 1 | 1 | CHECK BATTERY WATER LEVEL & ALL AREAS CHARGE. CHECK ALL ELECTRICAL CONNECTIONS. CHECK ALL BELTS AND BRUSHES, CHECK OPERATION OF UNIT. | | |
| INF-18602 | 1085 | 12y | 1 | 1 | CHECK BATTERY WATER LEVEL & ALL AREAS CHARGE. CHECK ALL ELECTRICAL CONNECTIONS. CHECK ALL BELTS AND BRUSHES, CHECK OPERATION OF UNIT. | | |
| INF-443 | 1086 | 12y | 1 | 1 | CHECK BATTERY WATER LEVEL & ALL AREAS CHARGE. CHECK ALL ELECTRICAL CONNECTIONS. CHECK ALL BELTS AND BRUSHES, CHECK OPERATION OF UNIT. | | |
| INF-48001 | 1081 | 1w | 1 | 1 | CHECK BATTERY WATER LEVEL & ALL AREAS CHARGE. CHECK ALL ELECTRICAL CONNECTIONS. CHECK ALL BELTS AND BRUSHES, CHECK OPERATION OF UNIT. | | |
| INF-48002 | 1082 | 1w | 1 | 1 | CHECK BATTERY WATER LEVEL & ALL AREAS CHARGE. CHECK ALL ELECTRICAL CONNECTIONS. CHECK ALL BELTS AND BRUSHES, CHECK OPERATION OF UNIT. | | |
| INF-48003 | 1083 | 1w | 1 | 1 | CHECK BATTERY WATER LEVEL & ALL AREAS CHARGE. CHECK ALL ELECTRICAL CONNECTIONS. CHECK ALL BELTS AND BRUSHES, CHECK OPERATION OF UNIT. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| TW-01 | 972 | 1w | 1 | 2 | 1.) CLEAN SCREENS BY REMOVING TRUCK WASH Pr & RINSING. 2.) CHK SPRAY AREA NOZZLES FOR PLUGGING. 3.) CHK CHAIN TENSION / TURNABLE DRIVE. 4.) COMPRESSED AIR SUPPLY FILTER SHOULD BE DRAINED & LUBRICATOR FILLED. | | |
| TW-01 | 973 | 4y | 1 | 2 | 1.) GREASE PUMP BEARINGS. 2.) TRUCK WASH Pr GREASE (2) PILLOW BLOCKS OF AREA THE EXHAUST BLOWER. 3.) CHECK BELT TENSION OF THE EXHAUST BLOWER & TIGHTEN IF NECESSARY. | | |
| TW-01 | 974 | 1y | 2 | 3 | Clean strainers at the fresh TRUCK WASH Pr water inlets up-stream of the AREA auto control valve. Check oil level in gear motor, Grease pivot bearings of the washer door, Grease all motor bearings. | | |
| TW-02 | 803 | 1y | 1 | 1.5 | 1.) CLEAN INLET & OUTLET JOURNAL STRAINERS. 2.) CHK OIL LEVEL BEARING RM. IN GEAR MOTOR(S) & ADD IF NECESSARY. (SHELL GEAR OIL #90) 3.) GREASE THE (2) FLANGE BLOCKS ON DOOR 4.) GREASE ALL MOTOR BEARINGS. | | |
| TW-02 | 800 | 12y | 1 | 1.5 | 1.) CLEAN SCREEN BY REMOVING JOURNAL & RINSING 2.) CHK SPRAY BEARING RM. NOZZEL FOR PLUGGING 3.) CHK CHAIN TENSION & TURNABLE DRIVE 4.) CHK ALL SAFETY DEVICES. | | |
| TW-02 | 1042 | 12y | 1 | 1 | 1.) CLEAN SCREEN BY REMOVING JOURNAL & RINSING 2.) CHK SPRAY BEARING RM. NOZZEL FOR PLUGGING 3.) CHK CHAIN TENSION & TURNABLE DRIVE 4.) CHK ALL SAFETY DEVICES. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| TW-02 | 801 | 6y | 1 | 1 | 1.) ON SHOT OF GREASE ON PUMP/JOURNAL BEARINGS WHERE GREASE BEARING RM. NIPPLES ARE INSTALLED. | | |
| TW-02 | 802 | 3y | 1 | 1.5 | 1.) GREASE PUMP BEARINGS. 2.) JOURNAL GREASE (2) PILLOW BLOCKS OF BEARING RM. THE EXHAUST BLOWER. 3.) CHECK BELT TENSION OF THE EXHAUST BLOWER & TIGHTEN IF NECESSARY. | | |
| UH-01 | 805 | 2y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COMPRESSED AIR 2.) INSPECT #7 WEST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-01 | 847 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COIL CLEANER. 2.) LUBRICATE #7 WEST DIVERter DRIVE GEAR. | | |
| UH-02 | 806 | 2y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COMPRESSED AIR 2.) INSPECT #7 WEST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-02 | 848 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COIL CLEANER. 2.) LUBRICATE #7 WEST DIVERter DRIVE GEAR. | | |
| UH-03 | 808 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #8 & COMPRESSED AIR 2.) INSPECT #9 WEST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-03 | 849 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #8 & COIL CLEANER. 2.) LUBRICATE #9 WEST DIVERter DRIVE GEAR. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| UH-04 | 809 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COMPRESSED AIR 2.) INSPECT #7 WEST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-04 | 850 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COIL CLEANER. 2.) LUBRICATE #7 WEST DIVERTER DRIVE GEAR. | | |
| UH-05 | 810 | 2y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #8 & COMPRESSED AIR 2.) INSPECT #9 WEST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-05 | 851 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #8 & COIL CLEANER. 2.) LUBRICATE #9 WEST DIVERTER DRIVE GEAR. | | |
| UH-06 | 811 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CENTER COMPRESSED AIR 2.) INSPECT PLATFORM DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-06 | 852 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH CENTER COIL CLEANER. 2.) LUBRICATE PLATFORM DIVERTER DRIVE GEAR. | | |
| UH-07 | 812 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CENTER COMPRESSED AIR 2.) INSPECT PLATFORM DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-07 | 853 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CENTER COIL CLEANER. 2.) LUBRICATE PLATFORM DIVERTER DRIVE GEAR. | | |
| UH-08 | 813 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COMPRESSED AIR 2.) INSPECT #7 EAST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |

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 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| UH-09 | 855 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COIL CLEANER. 2.) LUBRICATE #7 EAST DIVERter DRIVE GEAR. | | |
| UH-09 | 814 | 2y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #8 COMPRESSED AIR 2.) INSPECT & #9 EAST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-09 | 856 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #8 COIL CLEANER. 2.) LUBRICATE & #9 EAST DIVERter DRIVE GEAR. | | |
| UH-10 | 815 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COMPRESSED AIR 2.) INSPECT #7 EAST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-10 | 857 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COIL CLEANER. 2.) LUBRICATE #7 EAST DIVERter DRIVE GEAR. | | |
| UH-11 | 817 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #8 & COMPRESSED AIR 2.) INSPECT #9 EAST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-11 | 858 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #8 & COIL CLEANER. 2.) LUBRICATE #9 EAST DIVERter DRIVE GEAR. | | |
| UH-12 | 818 | 2y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COMPRESSED AIR 2.) INSPECT #7 EAST DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-12 | 859 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH TRACKS #6 & COIL CLEANER. 2.) LUBRICATE #7 EAST DIVERter DRIVE GEAR. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| UH-13 | 819 | 2y | 2 | 2 | 1.) CLEAN BOTH COILS WITH TRUCK COMPRESSED AIR 2.) INSPECT STORAGE DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-13 | 860 | 1y | 2 | 2 | 1.) CLEAN BOTH COILS WITH TRUCK COIL CLEANER. 2.) LUBRICATE STORAGE DIVERter DRIVE GEAR. | | |
| UH-14 | 820 | 2y | 2 | 2 | 1.) CLEAN BOTH COILS WITH TRUCK COMPRESSED AIR 2.) INSPECT STORAGE DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-14 | 861 | 1y | 1 | 1.5 | 1.) CLEAN BOTH COILS WITH TRUCK COIL CLEANER. 2.) LUBRICATE STORAGE DIVERter DRIVE GEAR. | | |
| UH-15 | 862 | 1y | 2 | 3 | 1.) CLEAN BOTH COILS WITH NORTHWEST COIL CLEANER. 2.) LUBRICATE CORNER HIGH DIVERter DRIVE GEAR. BAY AREA | | |
| UH-15 | 821 | 2y | 2 | 3 | 1.) CLEAN BOTH COILS WITH NORTHWEST COMPRESSED AIR 2.) INSPECT CORNER HIGH DAMPERS, VALVES, ALL PIPE BAY AREA AND PNEUMATIC CONNECTIONS. | | |
| UH-16 | 822 | 2y | 2 | 3 | 1.) CLEAN BOTH COILS WITH NORTHEAST COMPRESSED AIR 2.) INSPECT CORNER HIGH DAMPERS, VALVES, ALL PIPE BAY AREA AND PNEUMATIC CONNECTIONS. | | |
| UH-16 | 863 | 1y | 2 | 3 | 1.) CLEAN BOTH COILS WITH NORTHEAST COIL CLEANER. 2.) LUBRICATE CORNER HIGH DIVERter DRIVE GEAR. BAY AREA | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| UH-17 | 823 | 2y | 2 | 3 | 1.) CLEAN BOTH COILS WITH SOUTHWEST COMPRESSED AIR 2.) INSPECT CORNER HIGH DAMPERS, VALVES, ALL PIPE BAY AREA AND PNEUMATIC CONNECTIONS. | | |
| UH-17 | 864 | 1y | 2 | 3 | 1.) CLEAN BOTH COILS WITH SOUTHWEST COIL CLEANER. 2.) LUBRICATE CORNER HIGH DIVERter DRIVE GEAR. BAY AREA | | |
| UH-18 | 824 | 2y | 2 | 3 | 1.) CLEAN BOTH COILS WITH SOUTHEAST COMPRESSED AIR 2.) INSPECT CORNER HIGH DAMPERS, VALVES, ALL PIPE BAY AREA AND PNEUMATIC CONNECTIONS. | | |
| UH-18 | 865 | 1y | 2 | 3 | 1.) CLEAN BOTH COILS WITH SOUTHEAST COIL CLEANER. 2.) LUBRICATE CORNER HIGH DIVERter DRIVE GEAR. BAY AREA | | |
| UH-19 | 825 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH FIRE PUMP COMPRESSED AIR 2.) INSPECT ROOM DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-19 | 866 | 1y | 2 | 1.5 | 1.) CLEAN BOTH COILS WITH FIRE PUMP COIL CLEANER. 2.) LUBRICATE ROOM DIVERter DRIVE GEAR. | | |
| UH-20 | 826 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-20 | 867 | 1y | 2 | 1.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERter DRIVE GEAR. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| UH-21 | 827 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-21 | 868 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-22 | 828 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-22 | 869 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-23 | 830 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-23 | 870 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-24 | 831 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-24 | 872 | 1y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| UH-25 | 832 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-25 | 873 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-26 | 833 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-26 | 874 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-27 | 834 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-27 | 875 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-28 | 835 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-28 | 876 | 1y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH BLOWDOWN COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |

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| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| UH-29 | 836 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COMPRESSED AIR 2.) INSPECT SHOP DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-29 | 877 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COIL CLEANER. 2.) LUBRICATE SHOP DIVERTER DRIVE GEAR. | | |
| UH-29 | 838 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COMPRESSED AIR 2.) INSPECT SHOP DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-30 | 878 | 1y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COIL CLEANER. 2.) LUBRICATE SHOP DIVERTER DRIVE GEAR. | | |
| UH-31 | 879 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COIL CLEANER. 2.) LUBRICATE SHOP DIVERTER DRIVE GEAR. | | |
| UH-31 | 839 | 2y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COMPRESSED AIR 2.) INSPECT SHOP DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-32 | 840 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH CARPENTER COMPRESSED AIR 2.) INSPECT SHOP DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-32 | 880 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CARPENTER COIL CLEANER. 2.) LUBRICATE SHOP DIVERTER DRIVE GEAR. | | |
| UH-33 | 841 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COMPRESSED AIR 2.) INSPECT SHOP DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| UH-33 | 881 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH CARP. & A/C COIL CLEANER. 2.) LUBRICATE SHOP DIVERTER DRIVE GEAR. | | |
| UH-34 | 842 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH UPPER MEZZ COMPRESSED AIR 2.) INSPECT FLOOR DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-34 | 883 | 1y | 1 | 1 | 1.) CLEAN BOTH COILS WITH UPPER MEZZ COIL CLEANER. 2.) LUBRICATE FLOOR DIVERTER DRIVE GEAR. | | |
| UH-35 | 843 | 2y | 2 | 1 | 1.) CLEAN BOTH COILS WITH UPPER MEZZ COMPRESSED AIR 2.) INSPECT FLOOR DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-35 | 884 | 1y | 2 | 1 | 1.) CLEAN BOTH COILS WITH UPPER MEZZ COIL CLEANER. 2.) LUBRICATE FLOOR DIVERTER DRIVE GEAR. | | |
| UH-36 | 844 | 2y | 2 | 1 | 1.) CLEAN BOTH COILS WITH UNASSIGNED COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-36 | 885 | 1y | 2 | 2 | 1.) CLEAN BOTH COILS WITH UNASSIGNED COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-37 | 886 | 1y | 2 | 2 | 1.) CLEAN BOTH COILS WITH UNASSIGNED COIL CLEANER. 2.) LUBRICATE AREA DIVERTER DRIVE GEAR. | | |
| UH-37 | 845 | 2y | 2 | 1 | 1.) CLEAN BOTH COILS WITH UNASSIGNED COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| UH-38 | 887 | 1y | 2 | 1.5 | 1.) CLEAN BOTH COILS WITH UPPER MEZZ COIL CLEANER. 2.) LUBRICATE FLOOR DIVERTER DRIVE GEAR. | | |
| UH-38 | 846 | 2y | 2 | 1 | 1.) CLEAN BOTH COILS WITH UPPER MEZZ COMPRESSED AIR 2.) INSPECT FLOOR DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS. | | |
| UH-39 | 3029 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH WHEEL COMPRESSED AIR 2.) INSPECT TRUING BLDG DAMPERS, VALVES, ALL PIPE EAST AND PNEUMATIC CONNECTIONS. | | |
| UH-40 | 3030 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH WHEEL COMPRESSED AIR 2.) INSPECT TRUING BLDG DAMPERS, VALVES, ALL PIPE EAST AND PNEUMATIC CONNECTIONS. | | |
| UH-41 | 3031 | 2y | 1 | 0.5 | 1.) CLEAN COILS WITH COIL WHEEL CLEANER. 2.) INSPECT FANS FOR TRUING BLDG PROPER OPERATION. WEST | | |
| UH-42 | 3032 | 2y | 1 | 0.5 | 1.) CLEAN BOTH COILS WITH WHEEL COIL CLEANER. 2.) LUBRICATE TRUING BLDG DIVERTER DRIVE GEAR. WEST | | |
| UPR-01 | 888 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-01 | 900 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-02 | 889 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |

**APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| UPR-02 | 901 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-03 | 890 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-03 | 902 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-04 | 903 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-04 | 891 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-05 | 892 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-05 | 904 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| UPR-06 | 893 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-06 | 905 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-07 | 895 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-07 | 906 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-08 | 896 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-08 | 907 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-09 | 897 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| UPR-09 | 908 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPR-10 | 898 | 1w | 1 | 1 | 1.) CHECK BATTERY WATER LEVEL N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS. | | |
| UPR-10 | 909 | 12y | 1 | 1 | 1.) CHECK HYDRAULIC HOSES & N/A CONNECTIONS. 2.) CHECK ALL FLUID LEVELS. 3.) GREASE STEERING & SCISSOR TEETH. 4.) MANUALLY OPEN EMERGENCY LOWERING VALVE & CHECK FOR PROPER OPERATION. | | |
| UPS | 3002 | 6y | 1 | 1 | PERFORM MAINTENANCE AND 3rd FLOOR CO REPAIRS OF THE 22 UNINTERRUPTIBLE POWER SUPPLY SYSTEM AT THE HARRISON CAR MAINTENANCE FACILITY. SEE CONTRACT FOR SPECIFICATIONS. | | |
| VAV 2-01 | 910 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL M-341, 342 / M13 PNEUMATIC CONNECTIONS. 2. Main Corr to 1) LUBRICATE DAMPER LINKAGE & Outside M- CHECK | | |
| VAV 2-02 | 911 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL M-329M- PNEUMATIC | | |
| VAV 2-03 | 912 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL FORMANS M- PNEUMATIC | | |
| VAV 2-04 | 913 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALL M- M- PNEUMATIC CONNECTIONS. 2. 214, 215, 216 to 1) LUBRICATE DAMPER LINKAGE & Office/Outs CHECK | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| VAV 2-05 | 915 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL M-212, 213, M-PNEUMATIC CONNECTIONS. 2. Outside M-10) LUBRICATE DAMPER LINKAGE & 212 CHECK | | |
| VAV 2-06 | 916 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALL M- M-PNEUMATIC CONNECTIONS. 2. 211/Outside 10) LUBRICATE DAMPER LINKAGE & M-211 CHECK | | |
| VAV 2-07 | 917 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL M- M-PNEUMATIC CONNECTIONS. 2. 208, 209, 210 10) LUBRICATE DAMPER LINKAGE & /Outside M- CHECK | | |
| VAV 2-08 | 918 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL M- M-PNEUMATIC CONNECTIONS. 2. 206, 207/Out 10) LUBRICATE DAMPER LINKAGE & side M-207 CHECK | | |
| VAV 2-09 | 919 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALL M- M-PNEUMATIC CONNECTIONS. 2. 204, 205/Out 10) LUBRICATE DAMPER LINKAGE & side M-206 CHECK | | |
| VAV 2-10 | 920 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALL M- M-PNEUMATIC CONNECTIONS. 2. 203/Outside 10) LUBRICATE DAMPER LINKAGE & M-203 CHECK | | |
| VAV 2-11 | 921 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALL M-119, 120, M-PNEUMATIC CONNECTIONS. 2. 121/Inside 10) LUBRICATE DAMPER LINKAGE & M-121 CHECK | | |
| VAV 2-12 | 922 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALL M- M-PNEUMATIC CONNECTIONS. 2. 217/Inside 10) LUBRICATE DAMPER LINKAGE & M-217 CHECK | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| VAV 3-01 | 923 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-333 Mens M-PNEUMATIC CONNECTIONS. 2. Locker/M-lo) LUBRICATE DAMPER LINKAGE & 334 Toilet CHECK | | |
| VAV 3-02 | 924 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-333 Mens M-PNEUMATIC CONNECTIONS. 2. Locker/M-lo) LUBRICATE DAMPER LINKAGE & 334 Toilet CHECK | | |
| VAV 3-03 | 925 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-331M-PNEUMATIC | | |
| VAV 3-04 | 926 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-331M-PNEUMATIC | | |
| VAV 3-05 | 927 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-333 Mens M-PNEUMATIC CONNECTIONS. 2. Locker/M-lo) LUBRICATE DAMPER LINKAGE & 333 By Corr CHECK | | |
| VAV 4-01 | 928 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-353M-PNEUMATIC | | |
| VAV 4-02 | 929 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM- M-PNEUMATIC CONNECTIONS. 2. 344, 345, 350 lo) LUBRICATE DAMPER LINKAGE & /Inside M- CHECK | | |
| VAV 4-03 | 930 | 2y | 2 | 1 | 1.) VISUALLY INSPECT ALLM-347, 349, M-PNEUMATIC CONNECTIONS. 2. 351. | | |
| VAV 4-04 | 931 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-346//M- M-PNEUMATIC CONNECTIONS. 2. 349 Rear lo) LUBRICATE DAMPER LINKAGE & CHECK | | |
| VAV 4-05 | 932 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-356/M-351 M-PNEUMATIC CONNECTIONS. 2. lo) LUBRICATE DAMPER LINKAGE & CHECK | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|--|-----------------|------------------|
| VAV 4-06 | 933 | 2y | 2 | 1 | 1.) VISUALLY INSPECT ALLM- M-PNEUMATIC CONNECTIONS. 2.354/Outside lo) LUBRICATE DAMPER LINKAGE & Upper Mezz CHECK | | |
| VAV 4-07 | 934 | 2y | 2 | 1 | 1.) VISUALLY INSPECT ALLM-355/M-355 M- PNEUMATIC CONNECTIONS. 2. lo) LUBRICATE DAMPER LINKAGE & CHECK | | |
| VAV 5-01 | 935 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM- En PNEUMATIC CONNECTIONS. 2.307/Engine ac) LUBRICATE DAMPER LINKAGE & ring Office CHECK | | |
| VAV 5-02 | 936 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM-308/M-308 M- PNEUMATIC CONNECTIONS. 2.Lab/Storage lo) LUBRICATE DAMPER LINKAGE & CHECK | | |
| VAV 5-03 | 937 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM-312/M-312 M- PNEUMATIC CONNECTIONS. 2.Quality | | |
| VAV 5-04 | 938 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM- M-PNEUMATIC CONNECTIONS. 2.311,330/M- lo) LUBRICATE DAMPER LINKAGE & 330 CHECK | | |
| VAV 5-05 | 939 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM-310Rc PNEUMATIC | | |
| VAV 5-06 | 940 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM- Rc PNEUMATIC CONNECTIONS. 2.322,323,324 ac) LUBRICATE DAMPER LINKAGE & ,325/Recept. CHECK | | |
| VAV 5-07 | 941 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM- M-PNEUMATIC CONNECTIONS. 2.309,317,319 lo) LUBRICATE DAMPER LINKAGE & ,321/Inside CHECK | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|-------------------------|-----------------------|---------------------|--------------------------|------------------------|---|-----------------|------------------|
| VAV 5-08 | 942 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM- M- PNEUMATIC CONNECTIONS. 2.320/Inside lo) LUBRICATE DAMPER LINKAGE & M-320 CHECK | | |
| VAV 5-08A | 943 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM- M- PNEUMATIC CONNECTIONS. 2.320/Inside lo) LUBRICATE DAMPER LINKAGE & M-320 CHECK | | |
| VAV 5-09 | 944 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM-318/M-319 M- PNEUMATIC CONNECTIONS. 2. lo) LUBRICATE DAMPER LINKAGE & CHECK | | |
| VAV 5-10 | 945 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM-316 Lunch M- PNEUMATIC CONNECTIONS. 2.Rm lo) LUBRICATE DAMPER LINKAGE & CHECK | | |
| VAV 5-11 | 946 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-310M- PNEUMATIC | | |
| VAV 5-12 | 947 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM- M- PNEUMATIC CONNECTIONS. 2.144/Inside lo) LUBRICATE DAMPER LINKAGE & M-144 CHECK | | |
| VAV 5-13 | 948 | 2y | 1 | 0.5 | 1.) VISUALLY INSPECT ALLM-160/Above M- PNEUMATIC CONNECTIONS. 2.Ceiling | | |
| VAV 5-14 | 949 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM- M- PNEUMATIC CONNECTIONS. 2.156/Inside lo) LUBRICATE DAMPER LINKAGE & M-156 CHECK | | |
| VAV 5-15 | 950 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-137,138 PNEUMATIC CONNECTIONS. 2.Stockroom/l) LUBRICATE DAMPER LINKAGE & nside M-136 CHECK | | |
| VAV 5-16 | 951 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALLM-136M- PNEUMATIC | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| VAV 5-17 | 952 | 2y | 1 | 1 | 1.) VISUALLY INSPECT ALL M-132,134 M-PNEUMATIC CONNECTIONS. 2.) Stockrm/Ins lo) LUBRICATE DAMPER LINKAGE & ideM-134 CHECK | | |
| VSB-01 | 953 | 1w | 1 | 2 | 1.) SHAKE BAGS & EMPTY DUST MOTOR SHOP DRAWER. 2.) CHECK BLAST HOSE FOR WEAR. 3.) CHECK PINCH VALVE & HOSE. 4.) CHECK BLAST NOZZLE FOR WEAR. 5.) CHECK FEED & DUMP VALVES. | | |
| VSS-01 | 1031 | 12y | 1 | 1 | CHECK GEAR BOXES, GREASE MOTOR SHOP FITTINGS, LUBRICATE CHAIN DRIVERS, CHECK LIMIT SWITCHES, CHECK SYSTEM IS IN PROPER WORKING ORDER. CHECK THAT ALL OVERHEAD LIGHTS ARE IN WORKING ORDER. | | |
| VSS-02 | 1032 | 12y | 1 | 1 | CHECK GEAR BOXES, GREASE MOTOR SHOP FITTINGS, LUBRICATE CHAIN DRIVERS, CHECK LIMIT SWITCHES, CHECK SYSTEM IS IN PROPER WORKING ORDER. CHECK THAT ALL OVERHEAD LIGHTS ARE IN WORKING ORDER. | | |
| VSS-03 | 1033 | 12y | 1 | 1 | CHECK GEAR BOXES, GREASE A.C./SHP FITTINGS, LUBRICATE CHAIN DRIVERS, CHECK LIMIT SWITCHES, CHECK SYSTEM IS IN PROPER WORKING ORDER. CHECK THAT ALL OVERHEAD LIGHTS ARE IN WORKING ORDER. | | |
| VFL-01 | 3007 | 2y | 1 | 1 | REPLACE BACK UP BATTERY IN WHEEL & DISPLAY AND IN UNIT AXLE SHOP | | |

APPENDIX C
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|---|----------|-----------|
| VTL-01 | 957 | 2y | 1 | 3.5 | 1.) CLEAN ENTIRE MACHINE WITH WHEEL & KEROSENE. *****DO NOT USE AXLE SHOP COMPRESSED AIR***** 2.) CLEAN & INSPECT WAY WIPERS & BRUSHES 3.) DRAIN & CLEAN LUBE UNIT & FILTERS. 4.) GREASE MOTORS & CHECK BELTS FOR WEAR and LEVEL UNIT | | |
| VTL-01 | 956 | 4y | 1 | 1.5 | 1.) CHK ALL PRESSURE WHEEL & SWITCHES. 2.) CHK TABLE SPEED AXLE SHOP - HIGH & LOW RANGE. 3.) CHK OVERTRAVEL LIMIT SWITCHES. 4.) CHK ALL OIL FILTERS - CLEAN/REPLACE. 5.) CHK ALL CONNECTIONS, BOLTS & CABLES. | | |
| VTL-01 | 954 | 1w | 1 | 2 | CLEAN & LUBRICATE SAFETY WHEEL & GUARD SECTION. AXLE SHOP | | |
| VTL-01 | 955 | 12y | 1 | 2 | 1.) CHECK AND CLEAN ALL AIR WHEEL & FILTERS. 2.) LUBE BALL SCREW AXLE SHOP & WAY SURFACES. 3.) LUBE COLUMN WAYS & ACME SCREWS. 4.) CHK CHUCK & KEYS FOR CRACKS & WEAR. 5.) REMOVE & CLEAN COOLANT STRAINER. | | |
| WL-01 | 958 | 1w | 1 | 2 | 1.) INSPECT, CLEAN & WHEEL & LUBRICATE THE HEAD- AXLE SHOP STOCKS, SLIDEWAYS, GUIDES, FACEPLATE DRIVE GEARS, CHUTE TRAVERSE BOXES & HEAD TRAVERSE BOXES. 2.) CHECK FOOLSIDE FEED BOX. | | |
| WL-01 | 1078 | 12y | 1 | 3 | 1.) CLEAN ENTIRE MACHINE. 2.) WHEEL & CLEAN LIMIT SWITCHES & ALL AXLE SHOP AREAS OF ENCLOSURES COVERING MOVING MACHINE PARTS. | | |

APPENDIX C
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY

| Equipment Number | Routine Number | WO Frequency | Number of Workers | Estimated Hours | Description | Location | Reference |
|------------------|----------------|--------------|-------------------|-----------------|--|----------|-----------|
| WT-01 | 3004 | 2y | 1 | 1.5 | REPLACE BACK UP BATTERY ON WHEEL & WHEEL LATHIE - TWICE A YEAR - AXLE SHOP JANUARY & JULY | | |
| WP-01 | 1017 | 1w | 1 | 2 | CHECK HYDRAULIC FLUID AND ALL WHEEL & CONNECTIONS. CHECK ALL SAFETY AXLE SHOP DEVICES FOR PROPER OPERATION. INSPECT MAIN GEAR BOX DRIVE HEAD FOR PROPER OPERATION. INSPECT A&B CRANES FOR PROPER OPERATION. CLEAN UNIT | | |
| WPUMP-01 | 1000 | 4y | 2 | 2 | CHECK ALL SENSORS, TRACK #6 CONNECTIONS, DISCHARGE LINE. CENTER CHECK PROPER OPERATION OF PUMP. INSPECT MOTOR CONTROL CENTER. CHECK ALL WIRING AND ALARMS. | | |
| WSD-01 | 959 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. WHEEL & AXLE SHOP | | |
| WSD-02 | 960 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. WHEEL & AXLE SHOP | | |
| WSD-03 | 961 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. WHEEL & AXLE SHOP | | |
| WSD-04 | 962 | 2y | 1 | 0.5 | 1.) LUBRICATE WHEELS. WHEEL & AXLE SHOP | | |
| WTRMR-01 | 963 | 12y | 2 | 4 | 1.) TAKE WATER METER READINGS EACH MONTH FROM ALL FOUR AREAS. TO INCLUDE GUARD HOUSE PIT, TOWER, BOILER RM AND FAR WEST PIT | | |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--|--------------------------|
| AC-1A | 1 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 4 & ADDENDUM C & E1. |
| AC-1A | 2 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| AC-1A | 3 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 5 & ADDENDUM C & E1. |
| AC-1C | 13 | ly | 2 | 16.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 315-CONCOURSE (C315) | MPC 4 & ADDENDUM C & E1. |
| AC-1C | 14 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 315-CONCOURSE (C315) | MPC 1 |
| AC-1C | 15 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 315-CONCOURSE (C315) | MPC 5 & ADDENDUM C & E1. |
| AC-2A | 4 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 4 & ADDENDUM C & E1. |
| AC-2A | 5 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--|--------------------------|
| AC-2A | 6 | Y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 5 & ADDENDUM C & E1. |
| AC-2C | 16 | ly | 2 | 10.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 236 CONCOURSE (C236) | MPC 4 & ADDENDUM C & E1. |
| AC-2C | 17 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 236 CONCOURSE (C236) | MPC 1 |
| AC-2C | 18 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 236 CONCOURSE (C236) | MPC 5 & ADDENDUM C & E1. |
| AC-3A | 7 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 4 & ADDENDUM C & E1. |
| AC-3A | 8 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| AC-3A | 9 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 5 & ADDENDUM C & E1. |
| AC-3C | 19 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 236 CONCOURSE (C236) | MPC 4 & ADDENDUM C & E1. |
| AC-3C | 20 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 236 CONCOURSE (C236) | MPC 1 |
| AC-3C | 21 | Y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 236 CONCOURSE (C236) | MPC 5 & ADDENDUM C & E1. |

APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--|--------------------------|
| AC-4A | 10 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 4 & ADDENDUM C & E1. |
| AC-4A | 11 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| AC-4A | 12 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 5 & ADDENDUM C & E1. |
| AC-4C | 22 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 4 & ADDENDUM C & E1. |
| AC-4C | 24 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |
| AC-5A | 939 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | NOC/SOC 2 ND FLOOR | MPC 1 |
| AC-5A | 940 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | NOC/SOC 2 ND FLOOR | MPC 4 & ADDENDUM C & E1 |
| AC-5C | 25 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 4 & ADDENDUM C & E1. |
| AC-5C | 26 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 133 CONCOURSE (C133) | MPC 1 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--------------------------------|--------------------------|
| AC-5C | 27 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |
| AC-6A | 941 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | NOC/SOC 2 ND FLOOR | MPC 1 |
| AC-6A | 942 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | NOC/SOC 2 ND FLOOR | MPC 4 & ADDENDUM C & E1 |
| AC-6C | 28 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | BOILER ROOM CONCOURSE (C9,C10) | MPC 4 & ADDENDUM C & E1. |
| AC-6C | 29 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| AC-6C | 30 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | BOILER ROOM CONCOURSE (C9,C10) | MPC 5 & ADDENDUM C & E1. |
| AC-7A | 943 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | NOC/SOC 2 ND FLOOR | |
| AC-7A | 944 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | NOC/SOC 2 ND FLOOR | |
| AC-8A | 966 | ly | 2 | 4.00 | CHECK A/C UNIT FOR PROPER OPERATION. CLEAN CONDENSER COIL USING COIL CLEANER AS REQUIRED. | PENTHOUSE ELEV. 6 & 7 | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|------------------------------------|--------------------------|
| AC-8C | 31 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER 315 CONCOURSE (C315) | MPC 4 & ADDENDUM C & E1. |
| AC-8C | 32 | ly | 2 | 2.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER 315 CONCOURSE (C315) | MPC 1 |
| AC-8C | 33 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 315 CONCOURSE (C315) | MPC 5 & ADDENDUM C & E1. |
| AC-9C | 34 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | MER R-10 CONCOURSE | MPC 4 & ADDENDUM C & E1. |
| AC-9C | 35 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | MER R-10 CONCOURSE | MPC 1 |
| AC-9C | 36 | y7 | 2 | 4.00 | OVERHAUL AIR HANDLING UNIT. | MER R-10 CONCOURSE | MPC 5 & ADDENDUM C & E1. |
| AC-10C | 37 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 4 & ADDENDUM C & E1. |
| AC-10C | 38 | ly | 2 | 3.00 | SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 1 |
| AC-10C | 39 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 5 & ADDENDUM C & E1. |
| AV-9A | 72 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | 1 ST FLOOR OFFICE BLDG. | MPC 6 & ADDENDUM D |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|---|---------------------|
| AV-10A | 73 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | 1 ST FLOOR CLOSET | MPC 6 & ADDENDUM D |
| AV-11A | 74 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 6 & ADDENDUM D |
| B-1C-A | 800 | 1w-W | 1 | 1.00 | FUNCTIONAL CHECK OF BOILER OPERATION. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28B ADDENDUM F. |
| B-1C-A | 801 | 6y-W | 1 | 1.00 | SERVICE BOILER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28D ADDENDUM F. |
| B-1C-A | 802 | 6y-W | 1 | 1.00 | SERVICE BOILER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28D ADDENDUM F. |
| B-1C-A | 818 | 6y-W | 2 | 1.50 | TEST COMBUSTION ANALYSIS ON BOILER AND RECORD RESULTS ON WORK ORDER. ADVISE MAINTENANCE SUPERVISOR ON ANY CORRECTIVE PROCEDURES REQUIRED ON RESULTS. | BOILER ROOM CONCOURSE (C9,C10) | |
| B-1C-A | 815 | 2y-W | 2 | 2.00 | TEST BOILER EMERGENCY BURNER SHUTOFF SWITCHES FOR PROPER OPERATION. NOTE RESULTS OF TEST ON WORK ORDER. TEST ALL OTHER BOILER SAFETY DEVICES FOR PROPER OPERATION NOTING RESULTS OF EACH. | BOILER ROOM CONCOURSE (C9,C10) | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--------------------------------|----------------------|
| B-1C-A | 803 | 1y | 1 | 1.00 | BOILER CHANGEOVER (SUMMER/WINTER). | BOILER ROOM CONCOURSE (C9,C10) | MPC 28E ADDENDUM F. |
| B-1C-A | 804 | 1y | 2 | 88.00 | OVERHAUL BOILER (CLEAN, INSPECT, AND REPAIR). | BOILER ROOM CONCOURSE (C9,C10) | MPC 25 & ADDENDUM F. |
| B-2C | 80 | 1w | 1 | 1.00 | FUNCTIONAL CHECK OF BOILER OPERATION. | BOILER ROOM CONCOURSE (C9,C10) | MPC 25 & ADDENDUM F. |
| B-2C-A | 805 | 1w-W | 1 | 1.00 | FUNCTIONAL CHECK OF BOILER OPERATION. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28B ADDENDUM F. |
| B-2C-A | 806 | 6y-W | 1 | 1.00 | SERVICE BOILER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28C ADDENDUM F. |
| B-2C-A | 807 | 6y-W | 1 | 1.00 | SERVICE BOILER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28D ADDENDUM F. |
| B-2C-A | 819 | 6y-W | 2 | 1.50 | TEST COMBUSTION ANALYSIS ON BOILER AND RECORD RESULTS ON WORK ORDER. ADVISE MAINTENANCE SUPERVISOR ON ANY CORRECTIVE PROCEDURES BASED ON RESULTS. | BOILER ROOM CONCOURSE (C9,C10) | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--------------------------------|----------------------|
| B-2C-A | 816 | 2y-W | 2 | 2.00 | TEST BOILER EMERGENCY BURNER SHUTOFF SWITCHES FOR PROPER OPERATION. NOTE RESULTS OF TEST ON WORK ORDER. TEST ALL OTHER BOILER SAFETY DEVICES FOR PROPER OPERATION NOTING RESULTS OF EACH. | BOILER ROOM CONCOURSE (C9,C10) | |
| B-2C-A | 808 | 1y | 1 | 1.00 | BOILER CHANGEOVER (SUMMER/WINTER). | BOILER ROOM CONCOURSE (C9,C10) | MPC 28E ADDENDUM F. |
| B-2C-A | 809 | 1y | 2 | 88.00 | OVERHAUL BOILER (CLEAN, INSPECT, AND REPAIR). | BOILER ROOM CONCOURSE (C9,C10) | MPC 25 & ADDENDUM F. |
| B-3C-A | 810 | 1w-W | 1 | 1.00 | FUNCTIONAL CHECK OF BOILER OPERATION. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28B ADDENDUM F. |
| B-3C-A | 811 | 6y-W | 1 | 1.00 | SERVICE BOILER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28C ADDENDUM F. |
| B-3C-A | 812 | 6y-W | 1 | 1.00 | SERVICE BOILER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28D ADDENDUM F. |
| B-3C-A | 820 | 6y-W | 1 | 1.50 | TEST COMBUSTION ANALYSIS ON BOILER AND RECORD RESULTS ON WORK ORDER. ADVISE MAINTENANCE SUPERVISOR ON ANY CORRECTIVE PROCEDURES REQUIRED BASED ON RESULTS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 28E ADDENDUM F. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--------------------------------------|-----------------------|
| B-3C-A | 817 | 2y-W | 2 | 2.00 | TEST BOILER EMERGENCY BURNER SHUTOFF SWITCHES FOR PROPER OPERATION. NOTE RESULTS OF TEST ON WORK ORDER. TEST ALL OTHER BOILER SAFETY DEVICES FOR PROPER OPERATION NOTING RESULTS OF EACH. | BOILER ROOM CONCOURSE (C9,C10) | |
| B-3C-A | 813 | 1y | 1 | 1.00 | BOILER CHANGEOVER (SUMMER/WINTER). | BOILER ROOM CONCOURSE (C9,C10) | MPC 28E & ADDENDUM F. |
| B-3-CA | 814 | 1y | 2 | 88.00 | OVERHAUL BOILER (CLEAN, INSPECT. AND REPAIR). | BOILER ROOM CONCOURSE (C9,C10) | MPC 25 & ADDENDUM F. |
| BFD | 90 | 4y | 1 | 7.00 | INSPECT AND TEST BACKFLOW PREVENTERS FOR PROPER FUNCTION BY CERTIFIED TESTING CONTRACTOR. COMPLETE AND SUBMIT SERVICE FORMS NOTING INSPECTION RESULTS AS REQUIRED. | ALL AREAS | |
| BG-1 | 91 | 6y | 1 | 2.00 | CHECK BATTERIES AND ASSOCIATED CHARGES. | BOILER ROOM CONCOURSE (C9,C10) | MPC 302 |
| BG-2 | 92 | 6y | 1 | 2.00 | CHECK BATTERIES AND ASSOCIATED CHARGES. | BOILER ROOM CONCOURSE (C9,C10) | MPC 302 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|----------------------|
| BG-3 | 726 | 6y | 1 | 1.00 | CHECK BATTERIES AND ASSOCIATED CHARGES. | MER 11-1-OFFICE TOWER 11 TH FLOOR | |
| BG-4 | 727 | 6y | 1 | 1.00 | CHECK BATTERIES AND ASSOCIATED CHARGES. | MER 11-1-OFFICE TOWER 11 TH FLOOR | |
| BG-5 | 728 | 6y | 1 | 1.50 | CHECK BATTERIES AND ASSOCIATED CHARGES. CHECK AND MAINTAIN/SANITIZE EYE WASH STATION. | MER 11-1-OFFICE TOWER 11 TH FLOOR | |
| BRP-1 | 94 | y3 | 2 | 4.00 | SERVICE BOILER ELECTRICAL PANEL. | BOILER ROOM CONCOURSE (C9,C10) | MPC 304 |
| BS-1 | 93 | 6y | 1 | 2.00 | CHECK BATTERIES AND ASSOCIATED CHARGES. | BOILER ROOM CONCOURSE (C9,C10) | MPC 302 |
| CA-1C | 95 | 1y | 1 | 2.00 | INSPECT & SERVICE COMPRESSED AIR UNITS. | SPRINKLER ROOM PLAZA (P20) | MPC 206 & ADDENDUM F |
| CA-1C | 96 | 1y | 1 | 1.00 | INSPECT AND LUBRICATE MOTOR. | SPRINKLER ROOM PLAZA (P20) | |
| CA-1R | 97 | y5 | 2 | 12.00 | PERFORM HYDROSTATIC TEST ON ALL FACILITY AIR RECEIVERS. | SPRINKLER ROOM PLAZA (P20) | MPC207 |
| CA-2C | 98 | 1y | 1 | 3.00 | INSPECT & SERVICE COMPRESSED AIR UNITS. | SPRINKLER ROOM PLAZA (P20) | MPC 206 & ADDENDUM F |
| CA-2C | 99 | 1y | 1 | 2.00 | INSPECT AND LUBRICATE MOTOR. | SPRINKLER ROOM PLAZA (P20) | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--------------------------------|---------------------|
| CA-3C | 100 | ly | 1 | 4.00 | INSPECT & SERVICE COMPRESSED AIR UNITS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 26 & ADDENDUM F |
| CA-3C | 101 | ly | 1 | 0.50 | INSPECT AND LUBRICATE MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | |
| CA-3R | 102 | y5 | 2 | 12.00 | PERFORM HYDROSTATIC TEST ON ALL FACILITY AIR RECEIVERS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 207 |
| CA-4C | 103 | ly | 1 | 3.00 | INSPECT & SERVICE COMPRESSED AIR UNITS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 26 & ADDENDUM F |
| CA-4C | 104 | ly | 1 | 0.50 | INSPECT AND LUBRICATE MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | |
| CA-4R | 105 | y5 | 2 | 8.00 | PERFORM HYDROSTATIC TEST ON ALL FACILITY AIR RECEIVERS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 207 |
| CD-01 | 107 | ly | 2 | 16.00 | ERECT CHRISTMAS DECORATIONS. | FACILITY | |
| CD-01 | 108 | ly | 2 | 16.00 | DISMANTLE CHRISTMAS DECORATIONS. | FACILITY | |
| CH-4C | 109 | ly | 1 | 2.00 | TEST RUN AND SERVICE EMERGENCY LIQUID CHILLER/AIR COOLER. | MER 315 CONCOURSE (C315) | MPC 22 ADDENDUM F |
| CH-5C | 978 | ly | 1 | 2.00 | TEST RUN AND SERVICE EMERGENCY LIQUID CHILLER/AIR COOLER. | PARKING LOT -VIP ST. LEVEL | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--------------------------------|---------------------------|
| CHEM TRT | 706 | 5w | 1 | 2.00 | PERFORM DAILY WATER TREATMENT DUTIES AS REQUIRED. | BOILER ROOM CONCOURSE (C9,C10) | |
| C-INSP | 679 | 1y | 1 | 6.00 | INSPECT ALL MECHANICAL SYSTEMS IN TENNANT AREAS | FACILITY | |
| CO-01 | 110 | y2 | 2 | 22.00 | CLEAN CONVECTORS. | FACILITY | MPC 15/BVAC 20 RISER DIAG |
| CT-1A | 111 | 6y-S | 2 | 12.00 | SERVICE, FLUSH, AND MUCK COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 18 |
| CT-1A | 112 | 1y | 2 | 14.00 | SUMMERIZE COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 17 |
| CT-1A | 113 | 1y | 2 | 8.00 | WINTERIZE COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 19 |
| CT-1A | 114 | y2 | 2 | 14.00 | OVERHAUL COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 17 |
| CT-2A | 115 | 6y-S | 2 | 12.00 | SERVICE, FLUSH, AND MUCK COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 18 |
| CT-2A | 116 | 1y | 2 | 14.00 | SUMMERIZE COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 17 |
| CT-2A | 117 | 1y | 2 | 12.00 | WINTERIZE COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 19 |
| CT-2A | 118 | y2 | 2 | 14.00 | OVERHAUL COOLING TOWER. | ROOF-OFFICE BLDG. | MPC 17 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|---|------------------|
| CV-01 | 970 | 1y | 2 | 4.00 | INSPECT CHECK VALVE FOR PROPER OPERATION AND CLEAN STRAINER AS REQUIRED. REPORT ALL DEFECTS TO CMS. | BOILER ROOM CONCOURSE (C9.C10) | |
| CV-02 | 971 | 1y | 2 | 4.00 | INSPECT CHECK VALVE FOR PROPER OPERATION AND CLEAN STRAINER AS REQUIRED. REPORT ALL DEFECTS TO CMS. | JANITORIAL LOCKER RMS&STORAGE- CON.(126) | |
| DEFIB | 959 | 12y | 1 | 2.00 | PERFORM MONTHLY DEFIBILLATOR INSPECTIONS AND RECORD ALL RESULTS ON PROVIDED INSPECTION SHEETS. CHANGE CABINET BATTERIES DURING MONTH OF MAY INSPECTIONS. | FACILITY | |
| DR-ALM | 938 | y2 | 1 | 3.00 | REBATTERY ALL DOOR PANIC ALARMS IN OFFICE TOWER AND TEST FOR PROPER FUNCTION. REPORT ANY PROBLENS TO CMS. | OFFICE TOWER | |
| DRN | 120 | 4y | 1 | 6.00 | INSPECT AND CLEAN ROOF DRAINS AS REQUIRED. | ROOF-COMPLEX | |
| DRN-CON | 681 | 1w | 2 | 3.00 | SNAKE DRAIN SYSTEM TO POLICE AREA. | CONCOURSE AREA | |
| DV-1-A | 824 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |
| DV-1-A | 825 | y3 | 2 | 4.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-2-A | 826 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |

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|-------------------|--------------------|-------------------|-----------------------|-------------------|-----------------------------|----------------------------|------------------|
| DV-2-A | 827 | y3 | 2 | 16.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-3-A | 828 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |
| DV-3-A | 829 | y3 | 2 | 16.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-4-A | 830 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |
| DV-4-A | 831 | y3 | 2 | 5.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-5-A | 832 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |
| DV-5-A | 833 | y3 | 2 | 12.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-6-A | 834 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |
| DV-6-A | 835 | y3 | 2 | 12.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-7-A | 836 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |
| DV-7-A | 837 | y3 | 2 | 12.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| DV-8-A | 836 | 1y | 2 | 6.00 | TRIP TEST DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 204 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--|----------------------------|
| DV-8-A | 839 | y3 | 2 | 12.00 | TRIP & OVERHAUL DRY VALVES. | SPRINKLER ROOM PLAZA (P20) | MPC 205 |
| EBRP-1 | 137 | y3 | 1 | 4.00 | SERVICE EMERGENCY PANEL. | BOILER ROOM CONCOURSE (C9,C10) | MPC 304 |
| ECSP | 138 | y3 | 2 | 4.00 | SERVICE EMERGENCY STARTER PANEL. | MER 315 CONCOURSE (C315) | MPC 304 |
| EF-1A | 139 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B1 & E2. |
| EF-1A | 140 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| EF-1C | 141 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315 CONCOURSE (C315) | MPC 16 & ADDENDUM B1 & E2. |
| EF-1C | 142 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| EF-1-T-A | 850 | ly | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |
| EF-1-T-A | 851 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-2A | 145 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B1 & E2. |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--|----------------------------|
| EF-2A | 146 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| EF-2C | 147 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315 CONCOURSE (C315) | MPC 16 & ADDENDUM B1 & E2. |
| EF-2C | 148 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| EF-2-T-A | 852 | ly | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |
| EF-2-T-A | 853 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-3C | 151 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | HOBAN CONTROL CENTER CONCOURSE (C232) | MPC 16 & ADDENDUM B1 & E2. |
| EF-3C | 152 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | HOBAN CONTROL CENTER CONCOURSE (C232) | MPC 1 |
| EF-3-T-A | 854 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-3-T-A | 855 | ly | 2 | 16.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|----------------------------|
| EF-4C | 155 | 1y | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | HOBAN CONTROL CENTER CONCOURSE (C232) | MPC 16 & ADDENDUM B1 & E2. |
| EF-4C | 156 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | HOBAN CONTROL CENTER CONCOURSE (C232) | MPC 1 |
| EF-4-T-A | 856 | 1y | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-4-T-A | 857 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-5A | 159 | 1y | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B1 & E2. |
| EF-5A | 160 | 1y | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| EF-5A-T-A | 858 | 1y | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-5A-T-A | 859 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-5B-T-A | 860 | 1y | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|---|----------------------------|
| EF-5B-T-A | 861 | ly | 2 | 3.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-5C | 165 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | JANITORIAL LOCKER ROOMS & STORAGE CON. (C126) | MPC 16 & ADDENDUM B1 & E2. |
| EF-5C | 166 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | JANITORIAL LOCKER ROOMS & STORAGE CON. (C126) | MPC 1 |
| EF-6A | 167 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B1 & E2. |
| EF-6A | 168 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| EF-6A-T-A | 862 | ly | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |
| EF-6A-T-A | 863 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL. | MPC 1 |
| EF-6B-T-A | 864 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |
| EF-6B-T-A | 865 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-6C | 173 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | JANITORIAL LOCKER ROOMS & STORAGE CON. (C126) | MPC 16 & ADDENDUM B1 & E2. |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|---|----------------------------|
| EF-6C | 174 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | JANITORIAL LOCKER ROOMS & STORAGE CON. (C126) | MPC 1 |
| EF-7A | 175 | ly | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B1 & E2. |
| EF-7A | 176 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| EF-7C | 177 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 16 & ADDENDUM B1 & E2. |
| EF-7C | 178 | ly | 2 | 8.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| EF-7-T-A | 866 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 1. |
| EF-7-T-A | 867 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-8A | 181 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-3 TOWER ROOF FAN ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-8A | 182 | ly | 2 | 8.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-3 TOWER ROOF FAN ROOM | MPC 1 |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|-----------------------------------|----------------------------|
| EF-8C | 183 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 16 & ADDENDUM B1 & E2. |
| EF-8C | 184 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| EF-8-T-A | 868 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-8-T-A | 869 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-9-T-A | 870 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |
| EF-9-T-A | 871 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| EF-10-C | 189 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 236 CONCOURSE (C236) | MPC 16 & ADDENDUM B1 & E2. |
| EF-10-C | 190 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 236 CONCOURSE (C236) | MPC 1 |
| EF-10-T-A | 872 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 & ADDENDUM B1 & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|-----------------------------------|----------------------------|
| EF-10-T-A | 873 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT 1 st LEVEL | MPC 1 |
| EF-11-C | 193 | ly | 2 | 8.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 16 & ADDENDUM B1 & E2. |
| EF-11-C | 194 | ly | 2 | 3.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| EF-11-T-A | 874 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-11-T-A | 875 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-12-C | 197 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 133 CONCOURSE (C133) | MPC 16 & ADDENDUM B1 & E2. |
| EF-12-C | 198 | ly | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 133 CONCOURSE (C133) | MPC 1 |
| EF-13C | 199 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 16 & ADDENDUM B1 & E2. |
| EF-13C | 200 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--------------------------------|----------------------------|
| EF-13-T-A | 876 | 1y | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-13-T-A | 877 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-14C | 203 | 1y | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 16 & ADDENDUM B1 & E2. |
| EF-14C | 204 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| EF-14-T-A | 878 | 1y | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |
| EF-14-T-A | 879 | 1y | 2 | 8.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-15C | 207 | 1y | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315 CONCOURSE (C315) | MPC 16 & ADDENDUM B1 & E2. |
| EF-15C | 208 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| EF-15-T-A | 880 | 1y | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT ROOF | MPC 16 & ADDENDUM B1 & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFEREN |
|------------|-------------|------------|----------------|------------|---|-------------------------|----------------------------|
| EF-15-T-A | 881 | ly | 2 | 8.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT ROOF | MPC 1 |
| EF-16-A | 211 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | ROOF OFFICE BLDG. | MPC 16 & ADDENDUM B1 & E2. |
| EF-16-A | 212 | ly | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | ROOF OFFICE BLDG. | MPC 1 |
| EF-16-C | 213 | ly | 2 | 6.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT OFFICE AREA | MPC 16 & ADDENDUM B1 & E2. |
| EF-16-C | 214 | ly | 2 | 8.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | PARKING LOT OFFICE AREA | MPC 1 |
| EF-17-A | 215 | ly | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | ROOF OFFICE BLDG. | MPC 16 & ADDENDUM B1 & E2. |
| EF-17-A | 216 | ly | 2 | 3.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | ROOF OFFICE BLDG. | MPC 1 |
| EF-17-C | 217 | ly | 2 | 3.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | CONCOURSE AREA | MPC 16 & ADDENDUM B1 & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|----------------------------|
| EF-17-C | 218 | 1y | 2 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | CONCOURSE AREA | MPC 1 |
| EF-18-A | 219 | 1y | 2 | 4.00 | MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B1 & E2. |
| EF-18-A | 220 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| EF-19A | 949 | 1y | 2 | 4.00 | MAINTAIN, LUBRICATE, CLEAN FAN AND ASSOCIATED DAMPERS. LUBRICATE DAMPERS AND EXERCISE TO ENSURE PROPER OPERATION. REPORT ANY DEFECTS TO CMS. | MER 11-1-OFFICE TOWER 11 TH FLOOR | |
| EF-20A | 950 | 1y | 2 | 4.00 | MAINTAIN, LUBRICATE, CLEAN FAN AND ASSOCIATED DAMPERS. LUBRICATE DAMPERS AND EXERCISE TO ENSURE PROPER OPERATION. REPORT ANY DEFECTS TO CMS. | MER 11-1-OFFICE TOWER 11 TH FLOOR | |
| EJ-01 | 221 | y2 | 1 | 2.00 | SERVICE EXPANSION JOINTS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 11 |
| EJ-02 | 222 | 1y | 2 | 14.00 | INSPECT AND CLEAN EXPANSION JOINTS. | FACILITY | |
| EMMP | 223 | y3 | 2 | 4.00 | SERVICE EMERGENCY STARTER PANEL. | MER 315 CONCOURSE (C315) | MPC 304 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|-----------|
| EMSP-1 | 224 | y3 | 2 | 3.00 | SERVICE EMERGENCY MOTOR STARTER PANEL. | BOILER ROOM CONCOURSE (C9,C10) | MPC 308 |
| ET-1A | 225 | y2 | 2 | 12.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| ET-1C | 226 | y2 | 2 | 12.00 | SERVICE EXPANSION TANKS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 12 |
| ET-2A | 227 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| ET-2C | 228 | y2 | 2 | 8.00 | SERVICE EXPANSION TANKS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 12 |
| ET-3A | 229 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| ET-3C | 230 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 12 |
| ET-4A | 231 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| ET-4C | 232 | y2 | 2 | 8.00 | SERVICE EXPANSION TANKS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 12 |
| ET-5A | 233 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|---|--------------------------|
| ET-5C | 234 | y2 | 2 | 12.00 | SERVICE EXPANSION TANKS. | MER 315 CONCOURSE (C315) | MPC 12 |
| ET-6A | 235 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| ET-7A | 236 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| ET-8A | 237 | y2 | 2 | 14.00 | SERVICE EXPANSION TANKS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 12 |
| FC-1 | 238 | 1y | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 6 & ADDENDUM C & E1. |
| FC-1 | 239 | 1y | 2 | 2.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 133 CONCOURSE (C133) | MPC 1 |
| FC-1 | 240 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |
| FC-2 | 241 | 1y | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 4 & ADDENDUM C & E1. |
| FC-2 | 242 | 1y | 2 | 2.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 133 CONCOURSE (C133) | MPC 1 |
| FC-2 | 243 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--------------------------|--------------------------|
| FC-3 | 244 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 4 & ADDENDUM C & E1. |
| FC-3 | 245 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 133 CONCOURSE (C133) | MPC 1 |
| FC-3 | 246 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |
| FC-4 | 247 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 315 CONCOURSE (C315) | MPC 4 & ADDENDUM C & E1. |
| FC-4 | 248 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 315 CONCOURSE (C315) | MPC 1 |
| FC-4 | 249 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 315 CONCOURSE (C315) | MPC 5 & ADDENDUM C & E1. |
| FC-5 | 250 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | PATH MAILROOM | MPC 4 & ADDENDUM C & E1. |
| FC-5 | 251 | ly | 2 | 2.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | PATH MAILROOM | MPC 1 |
| FC-5 | 252 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | PATH MAILROOM | MPC 5 & ADDENDUM C & E1. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|------------------------------|--------------------------|
| FC-13 | 274 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | POLICE ESU UNIT PLAZA (P23A) | MPC 4 & ADDENDUM C & E1. |
| FC-13 | 275 | ly | 2 | 2.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | POLICE ESU UNIT PLAZA (P23A) | MPC 1 |
| FC-13 | 276 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | POLICE ESU UNIT PLAZA (P23A) | MPC 5 & ADDENDUM C & E1. |
| FC-13A | 277 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | POLICE ESU UNIT PLAZA (P23A) | MPC 4 & ADDENDUM C & E1. |
| FC-13A | 278 | ly | 2 | 2.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | POLICE ESU UNIT PLAZA (P23A) | MPC 1 |
| FC-13A | 279 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | POLICE ESU UNIT PLAZA (P23A) | MPC 5 & ADDENDUM C & E1. |
| FC-18 | 286 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | PATH POLICE LOCKER ROOM | MPC 4 & ADDENDUM C & E1. |
| FC-18 | 287 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | PATH POLICE LOCKER ROOM | MPC 1 |
| FC-18 | 288 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | PATH POLICE LOCKER ROOM | MPC 5 & ADDENDUM C & E1. |
| FC-23 | 686 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | SID AREA - PLAZA | MPC 321 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|---------------------------------------|-------------------------|
| FC-23 | 687 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | SID AREA - PLAZA | MPC 321 |
| FC-23 | 688 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | SID AREA - PLAZA | MPC 321 |
| FC-24 | 692 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | POLICE DESK PATH CONCOURSE (C3) | |
| FC-24 | 693 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | POLICE DESK PATH CONCOURSE (C3) | |
| FC-24 | 694 | ly | 2 | 16.00 | OVERHAUL AIR HANDLING UNIT. | POLICE DESK PATH CONCOURSE (C3) | |
| FC-26 | 925 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | MPC 1 |
| FC-26 | 926 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | MPC 4 & ADDENDUM C & E1 |
| FC-26 | 927 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | |
| FC-27 | 928 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|---------------------------------------|-----------------------------|
| FC-27 | 929 | 1y | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | MPC 4 & ADDENDUM C & E1 |
| FC-27 | 930 | 1y | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | MPC 4 & ADDENDUM C & E1 |
| FC-28 | 945 | 1y | 1 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | PATH POLICE K9 AREA | MPC 1 |
| FC-28 | 946 | 1y | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | PATH POLICE K9 AREA | MPC 4 & ADDENDUM C & E1 |
| FE-01 | 292 | 1y | 1 | 24.00 | INSPECT FIRE EXTINGUISHERS. | FACILITY | MPC 214 |
| FE-01 | 293 | y5 | 1 | 7.00 | HYDROSTATIC TEST FIRE EXTINGUISHERS. | FACILITY | MPC 215 |
| FH-01 | 294 | 1y | 2 | 32.00 | INSPECT & RERACK HOSES. | FACILITY | MPC 201. SEE PLUMBING RISE. |
| FLAGS | 682 | 12y | 1 | 1.00 | INSPECT ALL PLAZA AND KISS AND RIDE FLAGS FOR CONDITION AND REPLACE AS NECESSARY. | PLAZA | |
| FP-1C | 295 | 1w | 1 | 0.50 | OPERATIONAL CHECK, FIRE PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 208 & ADDENDUM A&E |
| FP-1C | 296 | 1y | 1 | 4.00 | SERVICE FIRE PUMP. | BOILER ROOM CONCOURSE (C9,C10) | ADDENDUM A&E 3 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|------------------------|
| FP-1C | 297 | 1y | 1 | 4.00 | CAPACITY TEST FIRE PUMPS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 209 & ADDENDUM A&E |
| FP-1C | 298 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| FP-1P | 299 | 1w | 1 | 0.50 | OPERATIONAL CHECK, FIRE PUMP. | SPRINKLER ROOM PLAZA (P20) | MPC 208 & ADDENDUM A&E |
| FP-1P | 300 | 1y | 1 | 4.00 | SERVICE FIRE PUMP. | SPRINKLER ROOM PLAZA (P20) | ADDENDUM A&E 3 |
| FP-1P | 301 | 1y | 1 | 10.00 | CAPACITY TEST FIRE PUMPS. | SPRINKLER ROOM PLAZA (P20) | MPC 209 & ADDENDUM A&E |
| FP-1P | 302 | 1y | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | SPRINKLER ROOM PLAZA (P20) | MPC 1 |
| FSH | 678 | y2 | 2 | 12.00 | INSPECT AND TEST OFFICE TOWER FIRE SHUTTERS. | OFFICE TOWER | |
| G-1 | 303 | 14d | 1 | 1.00 | TEST RUN & INSPECT DIESEL GENERATOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 301 |
| G-2 | 304 | 14d | 1 | 1.00 | TEST RUN & INSPECT DIESEL GENERATOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 301 |
| G-3 | 729 | 6y | 1 | 1.00 | TEST AND RUN NATURAL GAS GENERATOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------|-------------|------------|----------------|------------|---|--|-------------------|
| G-1 | 730 | 6y | 1 | 1.00 | TEST AND RUN NATURAL GAS GENERATOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |
| GEN-LFT | 937 | y2 | 1 | 2.00 | PERFORM BIANNUAL MAINTENANCE LUBRICATION AND TESTING ON GENL ELECTRIC PERSONNEL LIFT. | ALL AREAS | |
| GREASE TRAP | 305 | 1w | 1 | 1.00 | INSPECT DELI PLUS GREASE TRAP FOR CLEANLINES. | DELI PLUS CONCOURSE (C15,C15A) | |
| HC-1A | 306 | 1y | 2 | 8.00 | SERVICE HEATING COILS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 6 ADDENDUM D. |
| HC-2A | 307 | 1y | 2 | 12.00 | SERVICE HEATING COILS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 6 ADDENDUM D. |
| HOIST-1 | 701 | 4y | 1 | 1.00 | INSPECT AND MAINTAIN CHAIN HOIST PER MPC AND CHECKLIST. | BOILER ROOM CONCOURSE (C9,C10) | MPC 318 |
| HOIST-2 | 702 | 4y | 1 | 1.00 | INSPECT AND MAINTAIN CHAIN HOIST PER MPC AND CHECKLIST. | MER 236 CONCOURSE (236) | MPC 318 |
| HOIST-3 | 703 | 4y | 1 | 1.00 | INSPECT AND MAINTAIN CHAIN HOIST PER MPC AND CHECKLIST. | MER 133 CONCOURSE (133) | MPC 318 |
| HOIST-4 | 704 | 4y | 1 | 1.00 | INSPECT AND MAINTAIN CHAIN HOIST PER MPC AND CHECKLIST. | MER 133 CONCOURSE (133) | MPC 318 |
| HOIST-5 | 705 | 4y | 1 | 1.00 | INSPECT AND MAINTAIN CHAIN HOIST PER MPC AND CHECKLIST. | MER 115 CONCOURSE (115) | MPC 318 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|------------------------------------|--------------------------|
| HP-1C | 308 | 1y | 1 | 5.00 | SERVICE HOUSE PUMP. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 8 |
| HP-1C | 309 | y5 | 2 | 17.50 | OVERHAUL HOUSE PUMP. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 9 |
| HP-2C | 310 | 1y | 2 | 6.00 | SERVICE HOUSE PUMP. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 8 |
| HP-2C | 311 | y5 | 2 | 17.50 | OVERHAUL HOUSE PUMP. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 9 |
| HV-1C | 312 | 1y | 2 | 12.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 315 CONCOURSE (C315) | MPC 4 & ADDENDUM C & E1. |
| HV-1C | 313 | 1y | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 315 CONCOURSE (C315) | |
| HV-1C | 314 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 315 CONCOURSE (C315) | MPC 5 & ADDENDUM C & E1. |
| HV-2C | 315 | 1y | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 236 CONCOURSE (C236) | MPC 4 & ADDENDUM C & E1. |
| HV-2C | 316 | 1y | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 236 CONCOURSE (C236) | MPC 1 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|-----------------------------|--------------------------|
| HV-2C | 317 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 236 CONCOURSE (C236) | MPC 5 & ADDENDUM C & E1. |
| HV-3C | 318 | ly | 2 | 12.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 236 CONCOURSE (C236) | MPC 4 & ADDENDUM C & E1. |
| HV-3C | 319 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 236 CONCOURSE (C236) | MPC 1 |
| HV-3C | 320 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 236 CONCOURSE (C236) | MPC 5 & ADDENDUM C & E1. |
| HV-4C | 321 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 4 & ADDENDUM C & E1. |
| HV-4C | 322 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 133 CONCOURSE (C133) | |
| HV-4C | 323 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |
| HV-5C | 324 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | MER 133 CONCOURSE (C133) | MPC 4 & ADDENDUM C & E1. |
| HV-5C | 325 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | MER 133 CONCOURSE (C133) | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|------------------------------------|--------------------------|
| HV-5C | 326 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | MER 133 CONCOURSE (C133) | MPC 5 & ADDENDUM C & E1. |
| HV-6C | 327 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 4 & ADDENDUM C & E1. |
| HV-6C | 328 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | |
| HV-6C | 329 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 5 & ADDENDUM C & E1. |
| HV-7C | 330 | ly | 2 | 10.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 4 & ADDENDUM C & E1. |
| HV-7C | 331 | ly | 2 | 4.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | |
| HV-7C | 332 | y7 | 2 | 2.00 | OVERHAUL AIR HANDLING UNIT. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 5 & ADDENDUM C & E1. |
| HV-9C | 336 | ly | 2 | 6.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 4 & ADDENDUM C & E1. |
| HV-9C | 337 | ly | 2 | 8.00 | SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON. | BOILER UTILITY ROOMS (C11,C12,C13) | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|------------------------------------|--------------------------|
| HV-9C | 338 | y7 | 2 | 6.00 | OVERHAUL AIR HANDLING UNIT. | BOILER UTILITY ROOMS (C11,C12,C13) | MPC 5 & ADDENDUM C & E1. |
| HWC-1 | 339 | 1y | 2 | 2.00 | SERVICE PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 & ADDENDUM C & E3 |
| HWC-1 | 340 | 1y | 1 | 0.50 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | |
| HWC-1 | 341 | y5 | 1 | 6.00 | OVERHAUL PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 & ADDENDUM A & E3 |
| HWC-2 | 342 | 1y | 1 | 2.00 | SERVICE PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 & ADDENDUM C & E3 |
| HWC-2 | 343 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | |
| HWC-2 | 344 | y5 | 1 | 6.00 | OVERHAUL PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 & ADDENDUM A & E3 |
| HWH-1C | 689 | 12y | 1 | 0.50 | BLOWDOWN H/W HEATER AS REQUIRED. | BOILER ROOM CONCOURSE (C9,C10) | |
| HWH-1C | 345 | 1y | 1 | 2.00 | SERVICE HOT WATER HEATER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 102 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--|----------------------|
| HWH-2C | 690 | 12y | 1 | 0.50 | BLOWDOWN H/W HEATER AS REQUIRED. | BOILER ROOM CONCOURSE (C9,C10) | |
| HWH-2C | 346 | 1y | 1 | 2.00 | SERVICE HOT WATER HEATER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 102 |
| HX-1A | 347 | 1y | 1 | 4.00 | MAINTAIN HEAT EXCHANGERS, CLEAN STRAINERS AND DIRT POCKETS. INSPECT AND REPLACE GAUGES AS NEEDED EXERCISE MANUAL VALVES AND ADJUST OR REPACK AS REQUIRED. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |
| HX-1A | 348 | y4 | 2 | 42.00 | INSPECT AND OVERHAUL HEAT EXCHANGER. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 13 & ADDENDUM F. |
| HX-1C | 349 | 1y | 1 | 2.00 | MAINTAIN HEAT EXCHANGERS, CLEAN STRAINERS AND DIRT POCKETS. INSPECT AND REPLACE GAUGES AS NEEDED EXERCISE MANUAL VALVES AND ADJUST OR REPACK AS REQUIRED. | BOILER ROOM CONCOURSE (C9,C10) | |
| HX-1C | 350 | y4 | 2 | 32.00 | INSPECT AND OVERHAUL HEAT EXCHANGER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 13 & ADDENDUM F. |
| HX-2A | 351 | 1y | 1 | 8.00 | MAINTAIN HEAT EXCHANGERS, CLEAN STRAINERS AND DIRT POCKETS. INSPECT AND REPLACE GAUGES AS NEEDED EXERCISE MANUAL VALVES AND ADJUST OR REPACK AS REQUIRED. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|----------------------|
| HX-2A | 352 | y4 | 2 | 42.00 | INSPECT AND OVERHAUL HEAT EXCHANGER. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 13 & ADDENDUM F. |
| HX-2C | 353 | 1y | 1 | 2.00 | MAINTAIN HEAT EXCHANGERS, CLEAN STRAINERS AND DIRT POCKETS, INSPECT AND REPLACE GAUGES AS NEEDED EXERCISE MANUAL VALVES AND ADJUST OR REPACK AS REQUIRED. | BOILER ROOM CONCOURSE (C9,C10) | |
| HX-2C | 354 | y4 | 2 | 42.00 | INSPECT AND OVERHAUL HEAT EXCHANGER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 13 & ADDENDUM F. |
| HX-3A | 355 | 1y | 1 | 8.00 | MAINTAIN HEAT EXCHANGERS, CLEAN STRAINERS AND DIRT POCKETS, INSPECT AND REPLACE GAUGES AS NEEDED EXERCISE MANUAL VALVES AND ADJUST OR REPACK AS REQUIRED. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |
| HX-3A | 356 | y4 | 2 | 42.00 | INSPECT AND OVERHAUL HEAT EXCHANGER. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 13 & ADDENDUM F. |
| HX-4A | 357 | 1y | 1 | 4.00 | MAINTAIN HEAT EXCHANGERS, CLEAN STRAINERS AND DIRT POCKETS, INSPECT AND REPLACE GAUGES AS NEEDED EXERCISE MANUAL VALVES AND ADJUST OR REPACK AS REQUIRED. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|----------------------|
| HIX-4A | 358 | y4 | 2 | 42.00 | INSPECT AND OVERHAUL HEAT EXCHANGER. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 13 & ADDENDUM F. |
| INT PLEN | 359 | ly | 2 | 2.00 | INSPECT AND CLEAN AS REQUIRED HELIPORT INTAKE PLENUM. | ROOF-OFFICE BLDG. | |
| INT-SRN-1 | 935 | ly | 2 | 3.00 | CLEAN AIR INTAKE SCREEN AND REMOVE ANY DEBRIS PRESENT IN PLENUM | MER 133-CONCOURSE-(133) | |
| INT-SRN-2 | 936 | ly | 2 | 3.00 | CLEAN AIR INTAKE SCREEN AND REMOVE ANY DEBRIS PRESENT IN PLENUM | MER 236-CONCOURSE-(236) | |
| IU-1-1 | 360 | ly | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 1 ST FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-2 | 361 | ly | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 2 ND FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-3 | 362 | ly | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 3 RD FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-4 | 363 | ly | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 4 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-5 | 364 | ly | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 5 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-6 | 365 | ly | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 6 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--------------------------------|-------------------------------------|---------------------|
| IU-1-7 | 366 | 1y | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 7 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-8 | 367 | 1y | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 8 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-9 | 368 | 1y | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 9 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-1-10 | 369 | 1y | 2 | 16.00 | SERVICE NORTH INDUCTION UNITS. | 10 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-1 | 370 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 1 ST FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-2 | 371 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 2 ND FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-3 | 372 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 3 RD FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-4 | 373 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 4 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-5 | 374 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 5 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-6 | 375 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 6 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-7 | 376 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 7 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-8 | 377 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 8 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|-------------------------------------|------------------------------|
| IU-2-9 | 378 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 9 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| IU-2-10 | 379 | 1y | 2 | 16.00 | SERVICE SOUTH INDUCTION UNITS. | 10 TH FLOOR OFFICE BLDG. | MPC 7 & ADDENDUM F. |
| JP-1C | 380 | 1y | 1 | 2.00 | SERVICE FIRE & SPRINKLER JOCKEY PUMPS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 210, 211, ADDENDUM A&E3. |
| JP-1C | 381 | 1y | 1 | 0.50 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE- (C9,C10) | |
| JP-1C | 382 | y5 | 1 | 48.00 | OVERHAUL FIRE AND SPRINKLER JOCKEY PUMPS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 212 & ADDENDUM A&E3 |
| JP-2P | 383 | 1y | 1 | 2.00 | SERVICE FIRE & SPRINKLER JOCKEY PUMPS. | SPRINKLER ROOM PLAZA (P20) | MPC 210, 211, ADDENDUM A&E3. |
| JP-2P | 384 | 1y | 1 | 0.50 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | SPRINKLER ROOM PLAZA (P20) | |
| JP-2P | 385 | y5 | 1 | 24.00 | OVERHAUL FIRE AND SPRINKLER JOCKEY PUMPS. | SPRINKLER ROOM PLAZA (P20) | MPC 212 & ADDENDUM A&E3 |
| JSTC | 386 | 7w | 1 | 8.00 | DAILY WATCH TOUR (11PM-7AM). | ALL AREAS | MPC 28A & ADDENDUM F. |
| JSTC | 387 | 7w | 1 | 8.00 | DAILY WATCH TOUR (7AM-3PM). | ALL AREAS | MPC 28A & ADDENDUM F. |
| JSTC | 388 | 7w | 1 | 8.00 | DAILY WATCH TOUR (3PM-11PM). | ALL AREAS | MPC 28A & ADDENDUM F. |

APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|-----------------------------------|--------------------|
| JSTC | 389 | 5w | 1 | 4.00 | DAILY CHIEF ENGINEER FACILITY INSPECTION. | ALL AREAS | |
| LA-01A | 390 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP HIGH PRESSURE SODIUM LIGHTING FIXTURE. | BUS LANE "A" | |
| LA-01B | 391 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | BUS LANE "A" | |
| LA-02A | 392 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP HIGH PRESSURE SODIUM LIGHTING FIXTURE. | BUS LANE "A" | REPORT ALL OUTAGES |
| LA-02B | 393 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | BUS LANE "B" | |
| LA-03A | 394 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP HIGH PRESSURE SODIUM & FLOURESCENT LIGHTING FIXTURE. | BUS LANE "C" | |
| LA-03B | 395 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | BUS LANE "C" | |
| LA-04A | 396 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP HIGH PRESSURE SODIUM & FLOURESCENT LIGHTING FIXTURE. | BUS LANE "D" | |
| LA-04B | 397 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | BUS LANE "D" | |
| LA-05 | 398 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | PARKING LOT 1 ST LEVEL | |
| LA-06A | 399 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP METAL HALIDE LIGHTING FIXTURES. | KISS & RIDE | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|----------------------------------|-----------|
| LA-06B | 400 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP METAL HALIDE LIGHTING FIXTURES. | RAMP-AUTO (R1) | |
| LA-07 | 401 | y2 | 2 | 28.00 | CLEAN & GROUP RELAMP HIGH PRESSURE SODIUM & FLOURESCENT LIGHTING FIXTURE.. | PARKING LOT-ROOF | |
| LA-08B | 403 | ly | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | FARE ZONE AREA | |
| LA-08C | 977 | ly | 2 | 16.00 | CLEAN & GROUP RELAMP COMPACT FLOURESCENT LIGHTING FIXTURES. | FARE ZONE AREA | |
| LA-09A | 404 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP METAL HALIDE LIGHTING FIXTURES. | ENTRANCE WELL AREA | |
| LA-09B | 405 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | ENTRANCE WELL AREA | |
| LA-10A | 406 | y2 | 2 | 24.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | RESTROOM PUBLIC MENS CONCOURSE | |
| LA-10B | 407 | y2 | 2 | 24.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | RESTROOM PUBLIC WOMENS CONCOURSE | |
| LA-11 | 408 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | HOBAN-ALL AREAS | |
| LA-12A | 409 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | BOILER ROOM CONCOURSE (C9,C10) | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|------------------------------------|-----------|
| LA-12B | 410 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | ELECTRICAL CLOSETS CONCOURSE | |
| LA-12C | 691 | 12y | 1 | 1.00 | SPOT RELAMP ALL MER LIGHTS AS REQUIRED. | MER ROOMS-ALL | |
| LA-12C | 411 | y2 | 2 | 12.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | MER ROOMS-ALL | |
| LA-13 | 412 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | CONCOURSE AREA | |
| LA-14A | 413 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | PAVONIA LOADING DOCK | |
| LA-14B | 414 | y2 | 2 | 8.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | MAGNOLIA LOADING DOCK | |
| LA-14C | 415 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | PLAZA LOADING DOCK (ERV) | |
| LA-15 | 416 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 1 ST FLOOR OFFICE BLDG. | |
| LA-16 | 417 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 2 ND FLOOR OFFICE BLDG. | |
| LA-17 | 418 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 3 RD FLOOR OFFICE BLDG | |
| LA-18 | 419 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 4 TH FLOOR OFFICE BLDG. | |
| LA-19 | 420 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 5 TH FLOOR OFFICE BLDG. | |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|-------------------------------------|------------------|
| LA-20 | 421 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 6 TH FLOOR OFFICE BLDG. | |
| LA-21 | 422 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 7 TH FLOOR OFFICE BLDG. | |
| LA-22 | 423 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 8 TH FLOOR OFFICE BLDG. | |
| LA-23 | 424 | y3 | 2 | 40.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 9 TH FLOOR OFFICE BLDG. | |
| LA-24 | 425 | y3 | 2 | 72.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | 10 TH FLOOR OFFICE BLDG. | |
| LA-25A | 426 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | MEZZANINE OFFICE BLDG. | |
| LA-25B | 427 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | STAIRWELL A-OFFICE TOWER EAST | |
| LA-25C | 428 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | STAIRWELL B-OFFICE TOWER WEST | |
| LA-25D | 429 | y2 | 2 | 21.00 | CLEAN & GROUP RELAMP FLOURESCENT FIXTURES. | ELECTRICAL CLOSETS OFFICE | |
| LA-26 | 430 | y3 | 3 | 21.00 | CLEAN & GROUP RELAMP MERC. EGGCRATE LTG. | ENTRANCE WELL AREA | |
| LA-27 | 431 | 12y | 1 | 3.00 | SPOT RELAMP CONCOURSE AND OFFICE TOWER INCANDESCENT AND HALAGON LTG. | CONCOURSE AREA | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|---|------------------|
| LA-28 | 432 | y2 | 2 | 40.00 | CLEAN & GROUP RELAMP CONCOURSE AND OFFICE TOWER COMPACT FLUORESCENT FIXTURES. | OFFICE TOWER | |
| LA-29 | 433 | y2 | 2 | 14.00 | CLEAN & GROUP RELAMP FLUORESCENT FIXTURES. | POLICE DECK PATH CONCOURSE (C3) | |
| LA-30F | 725 | y3 | 1 | 10.00 | CLEAN & GROUP RELAMP ALL PLAZA SOFFIT COMPACT FLUORESCENT LAMPS. | PLAZA | |
| LIN-DIFF | 434 | y2 | 2 | 14.00 | INSPECT AND CLEAN AS NECESSARY ALL LINEAR DIFFUSERS. | CONCOURSE AREA | |
| MCC-1 | 435 | y3 | 2 | 8.00 | SERVICE MOTOR CONTROL CENTER. | BOILER ROOM CONCOURSE (C9,C10) | MPC 308 |
| MCC-2 | 436 | y3 | 2 | 2.00 | SERVICE MOTOR CONTROL CENTER. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |
| MSP-1-A | 972 | 2y | 2 | 4.00 | SERVICE MOTOR VFD STARTER PANEL. | PARKING LOT 1 ST LEVEL | MPC 304 |
| MSP-2-A | 973 | 2y | 2 | 4.00 | SERVICE MOTOR VFD STARTER PANEL. | PARKING LOT 1 ST LEVEL | MPC 304 |
| MSP-3-A | 974 | 2y | 2 | 4.00 | SERVICE EMERGENCY STARTER PANEL. | PARKING LOT 1 ST LEVEL | MPC 304 |
| MSP-4-A | 975 | 2y | 2 | 4.00 | SERVICE MOTOR STARTER PANEL. | PARKING LOT 1 ST LEVEL | MPC 304 |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--|------------------|
| MSP-5 | 441 | y3 | 2 | 6.00 | SERVICE EMERGENCY STARTER PANEL. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 304 |
| MSP-6 | 442 | y3 | 2 | 6.00 | SERVICE MOTOR STARTER PANEL. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 304 |
| MSP-7 | 443 | y3 | 2 | 8.00 | SERVICE EMERGENCY STARTER PANEL. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 304 |
| MSP-8 | 444 | y3 | 2 | 4.00 | SERVICE EMERGENCY STARTER PANEL. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 304 |
| MSP-A | 445 | y3 | 2 | 4.00 | SERVICE EMERGENCY STARTER PANEL. | MER 133 CONCOURSE (C133) | MPC 304 |
| MSP-B | 446 | y3 | 2 | 4.00 | SERVICE MOTOR STARTER PANEL. | MER 236 CONCOURSE (C236) | MPC 304 |
| MSP-C | 447 | y3 | 2 | 4.00 | SERVICE MOTOR STARTER PANEL. | MER 315 CONCOURSE (C315) | MPC 304 |
| OHDA | 448 | 12y | 2 | 4.00 | MAINTAIN ELECTRIC OVERHEAD LIFT DOORS. | PAVONIA LOADING DOCK | MPC 316 |
| OHDB | 449 | 12y | 2 | 8.00 | MAINTAIN ELECTRIC OVERHEAD LIFT DOORS. | MAGNOLIA LOADING DOCK | MPC 316 |
| OW-SEP1 | 684 | 4y | 2 | 2.00 | INSPECT O/W SEPARATOR TANK CHECKING FOR OIL LEVEL USING WATER FINDING PASTE. REPORT RESULTS ON WO. | BUS LANE "B" | |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|-----------|
| OW-SEP2 | 685 | 4y | 2 | 2.00 | INSPECT O/W SEPARATOR TANK CHECKING FOR OIL LEVEL USING WATER FINDING PASTE. REPORT RESULTS ON WO. | MER 315 CONCOURSE (C315) | |
| P-1A | 450 | 1y | 1 | 4.00 | SERVICE SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 8 |
| P-1A | 451 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| P-1A | 452 | y5 | 1 | 16.00 | SERVICE SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 9 |
| P-1C | 453 | 1y | 1 | 4.00 | SERVICE HOT WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-1C | 454 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-1C | 455 | y5 | 1 | 16.00 | OVERHAUL HOT WATER PUMP | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-2A | 456 | 1y | 1 | 4.00 | SERVICE SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 8 |
| P-2A | 457 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--|------------------|
| P-2A | 458 | y5 | 1 | 16.00 | OVERHAUL SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 9 |
| P-2C | 459 | ly | 1 | 4.00 | SERVICE HOT WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-2C | 460 | ly | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-2C | 461 | y5 | 1 | 16.00 | OVERHAUL HOT WATER PUMP | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-3A | 462 | ly | 1 | 4.00 | SERVICE SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 8 |
| P-3A | 463 | ly | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| P-3A | 464 | y5 | 1 | 24.00 | OVERHAUL SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 9 |
| P-4A | 465 | ly | 1 | 4.00 | SERVICE SECONDARY WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 8 |
| P-4A | 466 | ly | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--|------------------|
| P-4A | 467 | y5 | 1 | 16.00 | OVERHAUL HOT WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 9 |
| P-4C-A | 707 | ly | 1 | 1.00 | INSPECT, MAINTAIN, AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-4C-A | 709 | ly | 2 | 6.00 | SERVICE CHILLED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-4C-A | 708 | y5 | 2 | 70.00 | OVERHAUL CHILLED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-5A | 471 | ly | 1 | 4.00 | SERVICE HOT WATER PUMP. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 8 |
| P-5A | 472 | ly | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| P-5A | 473 | y5 | 1 | 17.50 | OVERHAUL HOT WATER PUMP | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 9 |
| P-5C-A | 710 | ly | 2 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-5C-A | 712 | ly | 2 | 8.00 | SERVICE CHILLED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|------------------|
| P-5C-A | 711 | y5 | 2 | 70.00 | OVERHAUL CHILLED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-6A | 968 | 1y | 1 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-I-OFFICE TOWER 11 TH FLOOR | MPC 1 |
| P-6C-A | 713 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-6C-A | 715 | 1y | 2 | 12.00 | SERVICE CHILLED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-6C-A | 714 | y5 | 2 | 70.00 | OVERHAUL CHILLED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-7A | 969 | 1y | 1 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 11-I-OFFICE TOWER 11 TH FLOOR | |
| P-7C-A | 716 | 1y | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-7C-A | 718 | 1y | 2 | 8.00 | SERVICE CONDENSER WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-7C-A | 717 | y5 | 2 | 70.00 | OVERHAUL CONDENSER WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--------------------------------|-----------|
| P-8C-A | 719 | 1y | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-8C-A | 721 | 1y | 2 | 8.00 | SERVICE CONDENSER WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-8C-A | 720 | y5 | 2 | 48.00 | OVERHAUL CONDENSER WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-9C-A | 722 | 1y | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-9C-A | 724 | 1y | 2 | 8.00 | SERVICE CONDENSER WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-9C-A | 723 | y5 | 2 | 70.00 | OVERHAUL CONDENSER WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-12C | 489 | 1y | 1 | 1.00 | SERVICE CONDENSATE PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-12C | 490 | 1y | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-12C | 491 | y5 | 1 | 10.50 | OVERHAUL DUPLEX CONDENSATE PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--------------------------------|-----------|
| P-12C | 967 | ly | 1 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-14C | 492 | ly | 1 | 4.00 | SERVICE EMERGENCY CHILLED WATER PUMP. | MER 315 CONCOURSE (C315) | MPC 8 |
| P-14C | 493 | ly | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| P-14C | 494 | y5 | 1 | 14.00 | OVERHAUL EMERGENCY CHILLED WATER PUMP. | MER 315 CONCOURSE (C315) | MPC 9 |
| P-14-C-A | 960 | ly | 1 | 4.00 | SERVICE EMERGENCY CHILLED WATER PUMP. | MER 315- CONCOURSE- (C315) | MPC 8 |
| P-14-C-A | 961 | ly | 1 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 315- CONCOURSE- (C315) | MPC 1 |
| P-14-C-A | 962 | y5 | 2 | 14.00 | OVERHAUL EMERGENCY CHILLED WATER PUMP. | MER 315- CONCOURSE- (C315) | MPC 9 |
| P-15-A | 963 | ly | 1 | 4.00 | SERVICE EMERGENCY CHILLED WATER PUMP. | PARKING LOT-VIP-STREET LEVEL | MPC 8 |
| P-15-A | 964 | ly | 1 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | PARKING LOT-VIP-STREET LEVEL. | MPC 1 |
| P-15-A | 965 | y5 | 2 | 14.00 | OVERHAUL EMERGENCY CHILLED WATER PUMP. | PARKING LOT-VIP-STREET LEVEL | MPC 9 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|-----------|
| P-18C-A | 1498 | 1y | 1 | 1.00 | SERVICE BOILER-FEED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-18C-A | 1499 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-18C-A | 1500 | y5 | 1 | 4.00 | OVERHAUL BOILER FEEDWATER PUMP | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |
| P-19C-A | 1501 | 1y | 1 | 1.00 | SERVICE BOILER-FEED WATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-19C-A | 1502 | 1y | 1 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-19C-A | 1503 | y5 | 1 | 4.00 | OVERHAUL BOILER FEEDWATER PUMP | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 9 |
| P-20C-A | 1504 | 1y | 1 | 1.00 | SERVICE BOILER- FEEDWATER PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 |
| P-20C-A | 1505 | 1y | 1 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| P-20C-A | 1506 | y5 | 1 | 4.00 | OVERHAUL BOILER-FEED PUMP | BOILER ROOM CONCOURSE (C9,C10) | MPC 9 |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--|-------------------------|
| P-21C | 507 | 1y | 2 | 4.00 | SERVICE CIRCULATING PUMP. | MER 315 CONCOURSE (C315) | MPC 8 & ADDENDUM A&E 3. |
| P-21C | 508 | 1y | 1 | 1.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| P-21C | 509 | y5 | 1 | 17.50 | OVERHAUL PUMP. | MER 315 CONCOURSE (C315) | MPC 9& ADDENDUM A&E 3. |
| P-22C | 510 | 4y | 1 | 4.00 | SERVICE HOT WATER PUMP. | POLICE DESK-PATH CONCOURSE (C3) | MPC 8 & ADDENDUM A&E 3. |
| P-23-C | 511 | 4y | 2 | 2.00 | SERVICE HOT WATER PUMP. | POLICE DESK-PATH CONCOURSE (C3) | |
| P-24-C | 512 | 4y | 1 | 1.00 | SERVICE HOT WATER PUMP | BOILER ROOM CONCOURSE (C9,C10) | |
| P-25-C | 513 | 4y | 1 | 1.00 | SERVICE HOT WATER PUMP | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 & ADDENDUM A&E3. |
| PNTBTH | 934 | 2y | 1 | 2.00 | MAINTAIN, LUBRICATE AND CLEAN SPRAY PAINT BOOTH. CHANGE FILTERS AS REQUIRED. | TURNSTILE MECH. SHOP-CONCOURSE (C139) | |
| PORT-GEN | 821 | 6y | 2 | 8.00 | BIMOMTHLY TEST RUN UNDER LOAD, CHECK OIL LEVEL AND MAINTAIN PORTABLE GENERATORS. USE MID GRADE GAS WITH STABIL ADDED. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--|-------------------------|
| PORT-GEN | 822 | ly | 2 | 12.00 | ANNUAL MAINTENANCE OF PORTABLE GENERATORS. CHANGE OIL AND FILTER AS APPLIES, CHECK CONDITION AND ADD BATTERY WATER AS NEEDED. CLEAN OR CHANGE AIR FILTER AS NEEDED. | MER 11-1 OFFICE TOWER 11 TH FLOOR | |
| RF-1A | 514 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC16 & ADDENDUM B&E2. |
| RF-1A | 515 | ly | 2 | 2.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| RF-1C | 516 | ly | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315-1 CONCOURSE (C315) | MPC16 & ADDENDUM B&E2. |
| RF-1C | 517 | ly | 2 | 2.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315-1 CONCOURSE (C315) | MPC 1 |
| RF-2A | 518 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B&E2. |
| RF-2A | 519 | ly | 2 | 2.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| RF-2C | 520 | ly | 2 | 6.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 236 CONCOURSE (C236) | MPC16 & ADDENDUM B&E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|-------------------------|
| RF-2C | 521 | ly | 2 | 4.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 236 CONCOURSE (C236) | MPC I |
| RF-3A | 522 | ly | 2 | 6.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC16 & ADDENDUM B&E2. |
| RF-3A | 523 | ly | 2 | 2.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC I |
| RF-3C | 524 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 236 CONCOURSE (C236) | MPC16 & ADDENDUM B&E2. |
| RF-3C | 525 | ly | 2 | 2.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 236 CONCOURSE (C236) | MPC I |
| RF-4A | 526 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 & ADDENDUM B&E2. |
| RF-4A | 527 | ly | 2 | 4.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC I |
| RF-4C | 528 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 133 CONCOURSE (C133) | MPC16 & ADDENDUM B&E2. |
| RF-4C | 529 | ly | 2 | 2.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 133 CONCOURSE (C133) | MPC I |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|---|---------------------------|
| RF-5C | 530 | 1y | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 133 CONCOURSE (C133) | MPC16 & ADDENDUM B1 & E2. |
| RF-5C | 531 | 1y | 2 | 4.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 133 CONCOURSE (C133) | MPC 1 |
| RF-6C | 532 | 1y | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315 CONCOURSE (C315) | MPC16 & ADDENDUM B1 & E2. |
| RF-6C | 533 | 1y | 2 | 4.00 | INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 315 CONCOURSE (C315) | MPC 1 |
| RF-7C | 931 | 1y | 2 | 4.00 | INSPECT, MAINTAIN, AND LUBRICATE FAN AND ASSOCIATED MOTOR. | POLICE DESK-PATH-CONCOURSE-(C3) | MPC 1 |
| RF-7C | 932 | 1y | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | POLICE DESK-PATH-CONCOURSE-(C3) | MPC 16 & ADDENDUM B & E2 |
| RH-1C | 534 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MEDICAL ENT. LOBBY CONCOURSE (C223) | MPC 6 & ADDENDUM D. |
| RH-2C | 535 | 1y | 2 | 8.00 | SERVICE REHEAT COILS. | MEDICAL ENT. LOBBY CONCOURSE (C223) | MPC 6 & ADDENDUM D. |
| RH-3C | 536 | 1y | 2 | 6.00 | SERVICE REHEAT COILS. | MEDICAL AREA P.A. CONCOURSE (C215,C221) | MPC 6 & ADDENDUM D |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|-----------------------|--|---------------------|
| RH-4C | 537 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MEDICAL AREA P.A. CONCOURSE (C215,C221) | MPC 6 & ADDENDUM D. |
| RH-5C | 538 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MEDICAL AREA P.A. CONCOURSE (C215,C221) | MPC 6 & ADDENDUM D. |
| RH-6C | 539 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MEDICAL AREA P.A. CONCOURSE (C215,C221) | MPC 6 & ADDENDUM D. |
| RH-7C | 540 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MEDICAL AREA P.A. CONCOURSE (C215,C221) | MPC 6 & ADDENDUM D. |
| RH-8C | 541 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | MEDICAL ENT. LOBBY CONCOURSE (C223) | MPC 6 & ADDENDUM D. |
| RH-9C | 542 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | HOBAN CONTROL CENTER LOBBY CONCOURSE (C235) | MPC 6 & ADDENDUM D. |
| RH-10C | 543 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | HOBAN FEMALE LOCKER ROOM CONCOURSE (C213) | MPC 6 & ADDENDUM D. |
| RH-11C | 544 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | HOBAN RESERVE ROOM CORRIDOR CONCOURSE (C208) | MPC 6 & ADDENDUM D. |
| RH-12C | 545 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | HOBAN VIP ROOM CONCOURSE (C228) | MPC 6 & ADDENDUM D. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|-----------------------|--|---------------------|
| RH-13C | 546 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | HOBAN CONTROL CENTER LOBBY CONCOURSE (C235) | MPC 6 & ADDENDUM D |
| RH-14C | 547 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 6 & ADDENDUM D. |
| RH-15C | 548 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | TELEPHONE COMP. RM. CONCOURSE (C237) | MPC 6 & ADDENDUM D |
| RH-16C | 549 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | TELEPHONE COMP. RM. CONCOURSE (C237) | MPC 6 & ADDENDUM D. |
| RH-17C | 550 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | MER 315 CONCOURSE (C315) | MPC 6 & ADDENDUM D |
| RH-18C | 551 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | POLICE ESU UNIT CONCOURSE (C112) | MPC 6 & ADDENDUM D. |
| RH-19C | 552 | ly | 2 | 6.00 | SERVICE REHEAT COILS. | POLICE ESU UNIT CONCOURSE (C112) | MPC 6 & ADDENDUM D |
| RH-20C | 553 | ly | 2 | 4.00 | SERVICE REHEAT COILS. | HOBAN RESERVE ROOM CORRIDOR CONCOURSE (C208) | MPC 6 & ADDENDUM D |
| RH-21C | 554 | ly | 2 | 6.00 | SERVICE REHEAT COILS. | HOBAN CONTROL CENTER LOBBY CONCOURSE (C232) | MPC 6 & ADDENDUM D. |
| RH-22C | 555 | ly | 2 | 8.00 | SERVICE REHEAT COILS. | SIGNAL RELAY ROOM CONCOURSE (C232 C-D) | MPC 6 & ADDENDUM D |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|--------------------------|
| RH-23C | 556 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | TRACK RESERVE AREA CONCOURSE (C240,C241, C245) | MPC 6 & ADDENDUM D. |
| RH-24C | 557 | 1y | 2 | 4.00 | SERVICE REHEAT COILS. | POLICE ESU UNIT CONCOURSE (C112) | MPC 6 & ADDENDUM D |
| RM-1 | 558 | 1y | 1 | 2.00 | INSPECT & SERVICE MANIFOLDS. | ROOF-OFFICE BLDG. | MPC 203 |
| RM-2 | 559 | 1y | 1 | 4.00 | INSPECT & SERVICE MANIFOLDS. | ROOF-OFFICE BLDG. | MPC 203 |
| ROOF | 560 | 2y | 2 | 6.00 | VISUAL WET WEATHER INSPECTION OF ROOF AREAS. | ALL AREAS | MPC 310 |
| RT-1 | 976 | 1y | 1 | 2.00 | SERVICE AND MAINTAIN BOILER RECOVERY TANK. | BOILER ROOM CONCOURSE (C9,C10) | |
| SA-01 | 561 | 12y | 1 | 6.00 | TEST SPRINKLER ALARMS; (WATER FLOW ALARMS SYSTEMS). | BOILER ROOM CONCOURSE (C9,C10) | |
| SAFETY | 680 | 1w | 9 | 4.50 | CONDUCT AND ATTEND WEEKLY SAFETY MEETING | MAINT. SHP. AREA- CON. (C16, C19, C21-C23) | |
| SC | 562 | y2 | 2 | 70.00 | HYDROSTATICALLY TEST ALL SIAMESE CONNECTIONS. | FACILITY | |
| SF-1C | 563 | 1y | 2 | 6.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BOILER ROOM CONCOURSE (C9,C10) | MPC 16 ADDENDUM B1 & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--|--------------------------|
| SF-1C | 564 | 1y | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| SF-1-T-A | 882 | 1y | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 ADDENDUM B & E2. |
| SF-1-T-A | 883 | 1y | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| SF-2C | 933 | 2y | 1 | 2.00 | INSPECT, MAINTAIN, AND LUBRICATE FAN AND ASSOCIATED MOTOR. | SWITCHGEAR ROOM- CONCOURSE - (C14,C15) | |
| SF-2-T-A | 884 | 1y | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 ADDENDUM B & E2. |
| SF-2-T-A | 885 | 1y | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| SF-3-T-A | 886 | 1y | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 ADDENDUM B & E2. |
| SF-3-T-A | 887 | 1y | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| SF-4-T-A | 888 | 1y | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 ADDENDUM B1 & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|-----------------------------------|--------------------------|
| SF-4-T-A | 889 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| SF-5-T-A | 890 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B & E2. |
| SF-5-T-A | 891 | ly | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |
| SF-6-T-A | 892 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B & E2. |
| SF-6-T-A | 893 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |
| SF-7-T-A | 894 | ly | 2 | 6.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B & E2. |
| SF-7-T-A | 895 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |
| SF-9-T-A | 896 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B1 & E2. |
| SF-9-T-A | 897 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|--------------------------|
| SF-10-T-A | 898 | ly | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B & E2. |
| SF-10-T-A | 899 | ly | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |
| SF-11-A | 585 | ly | 2 | 6.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 ADDENDUM B1 & E2. |
| SF-11-A | 586 | ly | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| SF-11-T-A | 900 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B & E2. |
| SF-11-T-A | 901 | ly | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |
| SF-12-A | 589 | ly | 2 | 6.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 ADDENDUM B1 & E2. |
| SF-12-A | 590 | ly | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| SF-12-T-A | 902 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "A" | MPC 16 ADDENDUM B & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--|--------------------------|
| SF-12-T-A | 903 | 1y | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "A" | MPC 1 |
| SF-13-A | 593 | 1y | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 16 ADDENDUM B1 & E2. |
| SF-13-A | 594 | 1y | 2 | 6.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 1 |
| SF-13-T-A | 904 | 1y | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B1 & E2. |
| SF-13-T-A | 905 | 1y | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |
| SF-14-T-A | 906 | 1y | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B1 & E2. |
| SF-14-T-A | 907 | 1y | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |
| SF-15-T-A | 908 | 1y | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B1 & E2. |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|-----------------------------------|--------------------------|
| SF-15-T-A | 909 | ly | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |
| SF-16-T-A | 910 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | PARKING LOT 1 ST LEVEL | MPC 16 ADDENDUM B & E2. |
| SF-16-T-A | 911 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | PARKING LOT 1 ST LEVEL | MPC 1 |
| SF-17-T-A | 912 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B & E2. |
| SF-17-T-A | 913 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |
| SF-18-T-A | 914 | ly | 2 | 8.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B & E2. |
| SF-18-T-A | 915 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |
| SF-19-T-A | 916 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B1 & E2. |
| SF-19-T-A | 917 | ly | 2 | 2.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |

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ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|-----------------------------|-------------------------|
| SF-20-T-A | 918 | ly | 2 | 4.00 | MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS. | BUS LANE "D" | MPC 16 ADDENDUM B & E2. |
| SF-20-T-A | 919 | ly | 2 | 4.00 | INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR. | BUS LANE "D" | MPC 1 |
| SHP | 609 | lw | 1 | 2.00 | CLEAN AND REORGANIZE SHOP AREA-RESTOCK SUPPLIES INVENTORY PARTS FOR REORDER. | | |
| SPT-01 | 610 | 12y | 2 | 40.00 | TEST FIRE PROTECTION & SPRINKLER SYSTEM. | FACILITY | ALL MPC 201. |
| ST-01 | 611 | y5 | 1 | 14.00 | OVERHAUL STEAM TRAPS. | FACILITY | MPC - 14 |
| STAIR | 612 | 6y | 1 | 8.00 | INSPECT ALL STAIRWAYS AND REPORT DEFICIENCIES. | FACILITY | |
| SW-1C/1 | 613 | ly | 2 | 8.00 | SERVICE EJECTOR PUMP. | MER 236 CONCOURSE (C236) | MPC 8 ADDENDUM A & E3. |
| SW-1C/1 | 614 | ly | 1 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 236 CONCOURSE (C236) | MPC 1 |
| SW-1C/1 | 615 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | MER 236 CONCOURSE (C236) | MPC - 101 |
| SW-1C/2 | 616 | ly | 2 | 8.00 | SERVICE EJECTOR PUMP. | MER 236 CONCOURSE (C236) | MPC 8 ADDENDUM A & E3. |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--------------------------------|------------------------|
| SW-1C/2 | 617 | 1y | 1 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 236 CONCOURSE (C236) | MPC 1 |
| SW-1C/2 | 618 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | MER 236 CONCOURSE (C236) | MPC - 101 |
| SW-2C/1 | 619 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | MER 133 CONCOURSE (C133) | MPC 8 ADDENDUM A & E3. |
| SW-2C/1 | 620 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 133 CONCOURSE (C133) | MPC 1 |
| SW-2C/1 | 621 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | MER 133 CONCOURSE (C133) | MPC - 101 |
| SW-2C/2 | 622 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | MER 133 CONCOURSE (C133) | MPC 8 ADDENDUM A & E3. |
| SW-2C/2 | 623 | 1y | 1 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 133 CONCOURSE (C133) | MPC 1 |
| SW-2C/2 | 624 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | MER 133 CONCOURSE (C133) | MPC - 101 |
| SW-3C/1 | 625 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 ADDENDUM A & E3. |
| SW-3C/1 | 626 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--------------------------------------|------------------------|
| SW-3C/1 | 627 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC - 101 |
| SW-3C/2 | 628 | ly | 2 | 8.00 | SERVICE EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 ADDENDUM A & E3. |
| SW-3C/2 | 629 | ly | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| SW-3C/2 | 630 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC - 101 |
| SW-4C/1 | 631 | ly | 2 | 8.00 | SERVICE EJECTOR PUMP. | MER 315 CONCOURSE (C315) | MPC 8 ADDENDUM A & E3. |
| SW-4C/1 | 632 | ly | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| SW-4C/1 | 633 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | MER 315 CONCOURSE (C315) | MPC - 101 |
| SW-4C/2 | 634 | ly | 2 | 8.00 | SERVICE EJECTOR PUMP. | MER 315 CONCOURSE (C315) | MPC 8 ADDENDUM A & E3. |
| SW-4C/2 | 635 | ly | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | MER 315 CONCOURSE (C315) | MPC 1 |
| SW-4C/2 | 636 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | MER 315 CONCOURSE (C315) | MPC - 101 |

**APPENDIX D
ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|--|--------------------------------------|------------------------|
| SW-5C/1 | 637 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 ADDENDUM A & E3. |
| SW-5C/1 | 638 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| SW-5C/1 | 639 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC - 101 |
| SW-5C/2 | 640 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 ADDENDUM A & E3. |
| SW-5C/2 | 641 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| SW-5C/2 | 642 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC - 101 |
| SW-6C/1 | 643 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | TRACK PLATFORM TP-1 | MPC 8 ADDENDUM A & E3. |
| SW-6C/1 | 644 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | TRACK PLATFORM TP-1 | MPC 1 |
| SW-6C/1 | 645 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | TRACK PLATFORM TP-1 | MPC - 101 |
| SW-6C/2 | 646 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | TRACK PLATFORM TP-1 | MPC 8 ADDENDUM A & E3. |

APPENDIX D
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--------------------------------|-------------------------|
| SW-6C/2 | 647 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | TRACK PLATFORM TP-1 | MPC 1 |
| SW-6C/2 | 648 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | TRACK PLATFORM TP-1 | MPC - 101 |
| SW-7T/1 | 649 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | PAVONIA AVENUE | MPC 8 ADDENDUM A & E3. |
| SW-7T/1 | 650 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | PAVONIA AVENUE | MPC 1 |
| SW-7T/1 | 651 | y3 | 1 | 8.00 | OVERHAUL EJECTOR PUMP. | PAVONIA AVENUE | MPC - 101 |
| SW-7T/2 | 652 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | PAVONIA AVENUE | MPC 8 ADDENDUM A & E3. |
| SW-7T/2 | 653 | 1y | 2 | 3.00 | INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | PAVONIA AVENUE | MPC 1 |
| SW-7T/2 | 654 | y3 | 1 | 8.00 | OVERHAUL EJECTOR PUMP. | PAVONIA AVENUE | MPC - 101 |
| SW-8/C1 | 953 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 & ADDENDUM A & E3 |
| SW-8/C1 | 954 | 1y | 2 | 3.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|-------------------|--------------------|-------------------|-----------------------|-------------------|---|--------------------------------|-------------------------|
| SW-8/C1 | 955 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 101 |
| SW-8/C2 | 956 | 1y | 2 | 8.00 | SERVICE EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 8 & ADDENDUM A & E3 |
| SW-8/C2 | 957 | 1y | 2 | 3.00 | INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR. | BOILER ROOM CONCOURSE (C9,C10) | MPC 1 |
| SW-8/C2 | 958 | y3 | 1 | 17.50 | OVERHAUL EJECTOR PUMP. | BOILER ROOM CONCOURSE (C9,C10) | MPC 101 |
| TA-01 | 655 | 12y | 2 | 5.00 | FIRE PUMP BOX & FIRE PROF. SUPV. EQUIP. & TAMPER ALARM TEST. | FACILITY | |
| TANKS | 683 | 12y | 1 | 1.00 | STICK UNDERGROUND OIL STORAGE TANKS. CHECK LEVEL FOR WATER/CONTAMINATION. COMPARE LEVEL WITH DIGITAL MONITOR & RECORD RESULT ON WO. | KENNEDY BLVD | |

APPENDIX D
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|-------------------------------|-----------|
| TNK-1 | 947 | 12y | 1 | 1.00 | PERIODIC INSPECTION OF FUEL OIL TANKS INCLUDING INSPECTION AND CLEANING CATCHMENT BASIN, HATCH COVER AND TANK CAP CONDITION. INVENTORY WITH STICK VS. VEEDER ROOT. ENSURE SPILL BUCKET IS CLEAR OF DEBRIS AND LIQUID. CHECK LEAK DETECTION SYS. FOR OPERATION. | KENNEDY BLVD. | |
| TNK-2 | 948 | 12y | 1 | 1.00 | PERIODIC INSPECTION OF FUEL OIL TANKS INCLUDING INSPECTION AND CLEANING CATCHMENT BASIN, HATCH COVER AND TANK CAP CONDITION. INVENTORY WITH STICK VS. VEEDER ROOT. ENSURE SPILL BUCKET IS CLEAR OF DEBRIS AND LIQUID. CHECK LEAK DETECTION SYS. FOR OPERATION. | KENNEDY BLVD. | |
| UH-1P | 656 | 1y | 2 | 2.00 | CLEAN & SERVICE UNIT HEATER. | PLAZA LOADING DOCK (ERV) | MPC-29 |
| UH-2P | 657 | 1y | 2 | 2.00 | CLEAN & SERVICE UNIT HEATER. | PLAZA LOADING DOCK (PAVONIA) | MPC-29 |
| UH-3P | 658 | 1y | 2 | 2.00 | CLEAN & SERVICE UNIT HEATER. | PLAZA LOADING DOCK (MAGNOLIA) | MPC-29 |
| UH-4P | 659 | 1y | 2 | 2.00 | CLEAN & SERVICE UNIT HEATER. | PLAZA LOADING DOCK (MAGNOLIA) | MPC-29 |

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| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|---|--|-----------|
| UH-5P | 660 | 1y | 2 | 2.00 | CLEAN & SERVICE UNIT HEATER. | PLAZA LOADING DOCK (MAGNOLIA) | MPC-29 |
| UH-6P | 661 | 1y | 2 | 2.00 | CLEAN & SERVICE UNIT HEATER. | PLAZA LOADING DOCK (MAGNOLIA) | MPC-29 |
| UPR-01 | 662 | 12y | 1 | 2.00 | PERFORM MONTHLY MAINTENANCE ON UPRIGHT PERSONNEL LIFT. | MER 315 CONCOURSE (C315) | MPC 311 |
| UPR-01 | 663 | 2y | 1 | 2.00 | PERFORM BIENNIAL MAINTENANCE ON UPRIGHT PERSONNEL LIFT. | MER 315 CONCOURSE (C315) | MPC 312 |
| UPR-01 | 664 | 1y | 1 | 2.00 | PERFORM ANNUAL MAINTENANCE ON UPRIGHT PERSONNEL LIFT. | MER 315 CONCOURSE (C315) | |
| UTIL | 665 | 12y | 1 | 2.00 | READ AND RECORD ALL WATER, GAS AND ELECTRIC METERS. | ALL AREAS | |
| VA-01 | 666 | 1y | 2 | 24.00 | SERVICE VALVES. | BOILER ROOM CONCOURSE (C9,C10) | MPC 10 |
| VA-02 | 667 | 1y | 2 | 35.00 | SERVICE VALVES. | MER 11-1 OFFICE TOWER 11 TH FLOOR | MPC 10 |
| VA-03 | 668 | 1y | 2 | 12.00 | SERVICE VALVES. | MER 133 CONCOURSE (C-133) | MPC 10 |
| VA-04 | 669 | 1y | 2 | 12.00 | SERVICE VALVES. | MER 236 CONCOURSE (C-236) | MPC 10 |

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 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|--|--------------------------------------|-----------|
| VA-05 | 670 | 1y | 2 | 8.00 | SERVICE VALVES. | TELEPHONE COMP. RM. CONCOURSE (C237) | MPC 10 |
| VA-06 | 671 | 1y | 2 | 8.00 | SERVICE VALVES. | MER 315 CONCOURSE (C-315) | MPC 10 |
| VFD-PNL-1 | 951 | 2y | 2 | 4.00 | CLEAN ALL VFD FAN STARTER PANELS AS REQUIRED. REMOVE ALL DIRT, DEBRIS AND DUST WITH COMPRESSED AIR AND BY VACUUMING EQUIPMENT AND SECURITY GATE. | PARKING LOT-1 ST LEVEL. | |
| VFD-PNL-2 | 952 | 2y | 2 | 4.00 | CLEAN ALL VFD FAN STARTER PANELS AS REQUIRED. REMOVE ALL DIRT, DEBRIS AND DUST WITH COMPRESSED AIR AND BY VACUUMING EQUIPMENT AND SECURITY GATE. | PARKING LOT-1 ST LEVEL | |
| WOTS | 672 | 4y | 1 | 7.00 | SYSTEM MAINTENANCE. CHECK DATABASE STRUCTURES, HARDWARE OPERATION, AND EXAMINE ANY REPORTS OF SYSTEM BUGS. | 9 TH FLOOR OFFICE BLDG. | |
| WOTS | 673 | y7 | 1 | 4.00 | GENERATE MAINTENANCE SCHEDULE. | 9 TH FLOOR OFFICE BLDG. | |
| XFMR-1 | 674 | y3 | 2 | 48.00 | CLEAN & INSPECT; DRY TRANSFORMERS. | ELECTRICAL CLOSETS OFFICE TOWER | |

**APPENDIX D
 ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

| EQUIP. NO. | ROUTINE NO. | W.O. FREQ. | NO. OF WORKERS | EST. HOURS | DESCRIPTION | LOCATION | REFERENCE |
|------------|-------------|------------|----------------|------------|------------------------------------|---------------------------------|-----------|
| XFMR-2 | 675 | y3 | 2 | 24.00 | CLEAN & INSPECT; DRY TRANSFORMERS. | ELECTRICAL CLOSETS BUS TERMINAL | |
| XFMR-3 | 676 | y3 | 2 | 12.00 | CLEAN & INSPECT; DRY TRANSFORMERS. | ELECTRICAL CLOSETS PLAZA | |
| XFMR-4 | 677 | y3 | 2 | 21.00 | CLEAN & INSPECT; DRY TRANSFORMERS. | ELECTRICAL CLOSETS CONCOURSE | |

EXHIBIT I

COMPANY - Contract # _____
WAGE and BENEFITS STATEMENT
 Period Covered: _____ to _____

MINIMUM HOURLY WAGES, HEALTH & SUPPLEMENTAL BENEFITS

| | Job Class 1 | Job Class 2 | Job Class 3 | Job Class 4 | Job Class 5 |
|--|-------------|-------------|-------------|-------------|-------------|
| Number of Employees | _____ | _____ | _____ | _____ | _____ |
| Wages | | | | | |
| Straight-Time Wages | \$ - | \$ - | \$ - | \$ - | \$ - |
| Shift Differential | - | - | - | - | - |
| Total Wages | \$ - | \$ - | \$ - | \$ - | \$ - |
| Supplemental Benefits | | | | | |
| Health | \$ - | \$ - | \$ - | \$ - | \$ - |
| Holiday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vacation | - | - | - | - | - |
| Sick | - | - | - | - | - |
| Personal | - | - | - | - | - |
| jury Duty / Bereavement | - | - | - | - | - |
| Pension | - | - | - | - | - |
| Welfare | - | - | - | - | - |
| Rental | - | - | - | - | - |
| Pension / 401K | - | - | - | - | - |
| Other (please specify) | - | - | - | - | - |
| Other (please specify) | - | - | - | - | - |
| Total Supp. Benefits | \$ - | \$ - | \$ - | \$ - | \$ - |
| WAGES, HEALTH & SUPP. BENEFITS COMBINED | \$ - | \$ - | \$ - | \$ - | \$ - |

Note:
 Details by month and by employee must be available and may be submitted with this statement.

HOURS

| | | | | | |
|------------------------------------|---|---|---|---|---|
| Straight-Time Hours | - | - | - | - | - |
| Add: Roll Call Time, if applicable | - | - | - | - | - |
| Less: Relief Time, if applicable | - | - | - | - | - |
| Less: Meal Time, if applicable | - | - | - | - | - |
| Total Hours | - | - | - | - | - |

| | | | | | |
|--------------------------------|--------|--------|--------|--------|--------|
| MINIMUM HEALTH BENEFITS | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| HEALTH BENEFITS | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| CONTRACT REQUIREMENTS | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Difference | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

SUPPLEMENTAL BENEFITS

| | | | | | |
|------------------------------|--------|---------|---------|---------|---------|
| MINIMUM HOURLY WAGES | | | | | |
| RATES PAID | \$0.00 | \$15.50 | \$15.50 | \$15.50 | \$15.50 |
| CONTRACT REQUIREMENTS | \$0.00 | \$14.50 | \$14.50 | \$14.50 | \$14.50 |
| Difference | \$0.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 |

Statement Certified by: _____
 Name Title Date

STANDARD CONTRACT TERMS AND CONDITIONS

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| 3. | Bidder Eligibility for Award of Contracts - Determination by an Agency of the State of New York or New Jersey Concerning Eligibility to Receive Public Contracts..... | 2 |
| 4. | No Gifts, Gratuities, Offers of Employment, Etc..... | 2 |
| 5. | Conflict of Interest..... | 2 |
| 6. | Definitions..... | 2 |

STANDARD CONTRACT TERMS AND CONDITIONS

PART I GENERAL DEFINITIONS

To avoid undue repetition, the following terms, as used in this Agreement, shall be construed as follows:

Authority or Port Authority - shall mean the Port Authority of New York and New Jersey.

PATH -- shall mean the Port Authority Trans-Hudson Corporation.

Contract, Document or Agreement - shall mean the writings setting forth the scope, terms, conditions and Specifications for the procurement of Goods and/or Services, as defined hereunder and shall include, but not be limited to: Invitation for Bid (IFB), Request for Quotation (RFQ), Request for Proposal (RFP), Purchase Order (PO), Cover Sheet, executed Signature Sheet, AND PRICING SHEETS with Contract prices inserted," "STANDARD CONTRACT TERMS AND CONDITIONS," and, if included, attachments, endorsements, schedules, exhibits, or drawings, the Authority's acceptance and any written addenda issued over the name of the Authority's Manager, Purchasing Services Division.

Days or Calendar Days - shall mean consecutive calendar days, Saturdays, Sundays, and holidays, included.

Week - unless otherwise specified, shall mean seven (7) consecutive calendar days, Saturdays, Sundays, and holidays.

Month - unless otherwise specified, shall mean a calendar month.

Director/General Manager - shall mean the Director/General Manager of PATH which operates the facility of PATH at which the services hereunder are to be performed, for the time being, or his/her successor in duties for the purpose of this Contract, acting personally or through one of his/her authorized representatives for the purpose of this Contract.

Superintendent/Manager - shall mean the Superintendent/Manager of the PATH Division responsible for operating the said Facility for the time being or his/her successor in duties for the purpose of this Contract, acting personally or through his/her duly authorized representative for the purpose of this Contract.

No person shall be deemed a representative of the Director/General Manager or Superintendent/Manager except to the extent specifically authorized in an express written notice to the Contractor signed by the Director/General Manager or Superintendent/Manager as the case may be. Further, no person shall be deemed a successor in duties of the Director/General Manager unless the Contractor is so notified in writing signed by the Authority's Manager, Purchasing Services Division. No person shall be deemed a successor in duties of the Superintendent/Manager unless the Contractor is so notified in a writing signed by the Director/General Manager.

Minority Business Enterprise (MBE) - shall mean a business entity which is at least 51% owned and controlled by one or more members of one or more minority groups, or, in the case of a publicly held corporation, at least 51% of the stock of which is owned by one or more minority groups, and whose management and daily business operations are controlled by one or more such individuals who are citizens or permanent resident aliens.

"Minority Group" means any of the following racial or ethnic groups:

- (a) Black persons having origins in any of the Black African racial groups not of Hispanic origin;

- (b) Hispanic persons of Mexican, Puerto Rican, Dominican, Cuban, Central or South American culture or origin, regardless of race;
- (c) Asian and Pacific Islander persons having origins in any of the original peoples of the Far East, Southeast Asia, The Indian Subcontinent, or the Pacific Islands;
- (d) Native American or Alaskan native persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification.

Site of the Work - or words of similar import shall mean the Facility and all buildings and properties associated therewith as described in this Contract.

Small Business Enterprise (SBE) - The criteria for a Small Business Enterprise are:

- o The principal place of business must be located in New York or New Jersey;
- o The firm must have been in business for at least three years with activity;
- o Average gross income limitations by industry as established by the Port Authority.

Subcontractor - shall mean anyone who performs work (other than or in addition to the furnishing of materials, plant or equipment) in connection with the services to be provided hereunder, directly or indirectly for or on behalf of the Contractor (and whether or not in privity of contract with the Contractor), but shall not include any person who furnished merely his own personal labor or his own personal services. "Subcontractor", however, shall exclude the Contractor or any subsidiary or parent of the Contractor or any person, firm or corporation which has a substantial interest in the Contractor or in which the Contractor or the parent or the subsidiary of the Contractor, or an officer or principal of the Contractor or of the parent of the subsidiary of the Contractor has a substantial interest, provided, however, that for the purpose of the clause hereof entitled "Assignments and Subcontracts" the exclusion in this paragraph shall not apply to anyone but the Contractor itself.

Women-Owned Business Enterprise (WBE) - shall mean a business enterprise which is at least 51% owned by one or more women, or, in the case of a publicly held corporation, at least 51% of the stock of which is owned by one or more women and whose management and daily business operations are controlled by one or more women who are citizens or permanent or resident aliens.

Work - shall mean all services, equipment and materials (including materials and equipment, if any, furnished by the Authority) and other facilities and all other things necessary or proper for, or incidental to the services to be performed or goods to be furnished in connection with the service to be provided hereunder.

PART II GENERAL PROVISIONS

I. Facility Rules and Regulations of PATH

- a. The Contractor shall observe and obey (and compel its officers, employees, guests, invitees, and those doing business with it, to observe and obey) the facility Rules and Regulations of PATH now in effect, and such further reasonable Rules and Regulations which may from time to time during the term of this Agreement be promulgated by PATH for reasons of safety, health, preservation of property or maintenance of a good and orderly appearance and efficient operation of the Facility. PATH agrees that, except in case of emergency, it shall give notice to the Contractor of every Rule and Regulation hereafter adopted by it at least five days before the Contractor shall be required to comply therewith.
- b. A copy of the facility Rules and Regulations of PATH shall be available for review by the Contractor at the Office of the Director/General Manager of PATH.

2. Contractor Not An Agent

This Agreement does not constitute the Contractor the agent or representative of PATH for any purpose whatsoever except as may be specifically provided in this Agreement. It is hereby specifically acknowledged and understood that the Contractor, in performing its services hereunder, is and shall be at all times an independent Contractor and the officers, agents and employees of the Contractor shall not be or be deemed to be agents, servants or employees of PATH.

3. Contractor's Warranties

The Contractor represents and warrants:

- a. That it is financially solvent, that it is experienced in and competent to perform the requirements of this Contract, that the facts stated or shown in any papers submitted or referred to in connection with the solicitation are true, and, if the Contractor be a corporation, that it is authorized to perform this Contract;
- b. That it has carefully examined and analyzed the provisions and requirements of this Contract, and that from its own investigations it has satisfied itself as to the nature of all things needed for the performance of this Contract, the general and local conditions and all other matters which in any way affect this Contract or its performance, and that the time available to it for such examination, analysis, inspection and investigation was adequate;
- c. That the Contract is feasible of performance in accordance with all its provisions and requirements and that it can and will perform it in strict accordance with such provisions and requirements;
- d. That no Director, officer, agent or employee of PATH is personally interested directly or indirectly in this Contract or the compensation to be paid hereunder;
- e. That, except only for those representations, statements or promises expressly contained in this Contract, no representation, statement or promise, oral or in writing, of any kind whatsoever by the Port Authority, PATH, their Directors, Commissioners, officers, agents, employees or consultants has induced the Contractor to enter into this Contract or has been relied upon by the Contractor, including any with reference to: (1) the meaning, correctness, suitability, or completeness of any provisions or requirements of this Contract; (2) the nature, quantity, quality or size of the materials, equipment, labor and other facilities needed for the performance of this Contract; (3) the general or local conditions which may in any way affect this Contract or its performance; (4) the price of the Contract; or (5) any other matters, whether similar to or different from those referred to in (1) through (4) immediately above, affecting or having any connection with this Contract, the bidding thereon, any discussions thereof, the performance thereof or those employed therein or connected or concerned therewith.

Moreover, the Contractor accepts the conditions at the Site of the Work as they may eventually be found to exist and warrants and represents that it can and will perform the Contract under such conditions and that all materials, equipment, labor and other facilities required because of any unforeseen conditions (physical or otherwise) shall be wholly at its own cost and expense, anything in this Contract to the contrary notwithstanding.

Nothing in the Specifications or any other part of the Contract is intended as or shall constitute a representation by PATH as to the feasibility of performance of this Contract or any part thereof.

The Contractor further represents and warrants that it was given ample opportunity and time and by means of this paragraph was requested by the Port Authority and PATH to review thoroughly all documents forming this Contract prior to opening of Bids on this Contract in order that it might request inclusion in this Contract of any statement, representation, promise or provision which it desired or on which it wished to place reliance; that it did so review said documents, that either every such statement, representation, promise or provision has been included in this Contract or else, if omitted, that it expressly relinquishes the benefit of any such omitted statement, representation, promise or provision and is willing to perform this Contract without claiming reliance thereon or making any other claim on account of such omission.

The Contractor further recognizes that the provisions of this numbered clause (though not only such

provisions) are essential to PATH's consent to enter into this Contract and that without such provisions, PATH would not have entered into this Contract.

4. Personal Non-Liability

Neither the Directors of PATH nor any of them, nor any officer, agent or employee thereof, shall be charged personally by the Contractor with any liability, or held personally liable to the Contractor under any term or provision of this Agreement, or because of its execution or attempted execution, or because of any breach, or attempted or alleged breach, thereof.

5. Equal Employment Opportunity, Affirmative Action, Non-Discrimination

- a. The Contractor is advised to ascertain and comply with all applicable federal, State and local statutes, ordinances, rules and regulations and, federal Executive Orders, pertaining to equal employment opportunity, affirmative action, and non-discrimination in employment.
- b. Without limiting the generality of any other term or provision of this Contract, in the event of the Contractor's non-compliance with the equal opportunity and non-discrimination clause of this Contract, or with any of such statutes, ordinances, rules, regulations or Orders, this Contract may be cancelled, terminated or suspended in whole or in part.

6. Rights and Remedies of PATH

PATH shall have the following rights in the event the Contractor is deemed guilty of a breach of any term whatsoever of this Contract:

- a. The right to take over and complete the Work or any part thereof as agent for and at the expense of the Contractor, either directly or through others.
- b. The right to cancel this Contract as to any or all of the Work yet to be performed.
- c. The right to specific performance, an injunction or any appropriate equitable remedy.
- d. The right to money damages.

For the purpose of this Contract, breach shall include but not be limited to the following, whether or not the time has yet arrived for performance of an obligation under this Contract: a statement by the Contractor to any representative of PATH indicating that the Contractor cannot or will not perform any one or more of its obligations under this Contract; any act or omission of the Contractor or any other occurrence which makes it improbable at the time that it will be able to perform any one or more of its obligations under this Contract; any suspension of or failure to proceed with any part of the Work by the Contractor which makes it improbable at the time that it will be able to perform any one or more of its obligations under this Contract.

The enumeration in this numbered clause or elsewhere in this Contract of specific rights and remedies of PATH shall not be deemed to limit any other rights or remedies which PATH would have in the absence of such enumeration; and no exercise by PATH of any right or remedy shall operate as a waiver of any other of its rights or remedies not inconsistent therewith or to stop it from exercising such other rights or remedies.

7. Rights and Remedies of the Contractor

Inasmuch as the Contractor can be adequately compensated by money damages for any breach of this Contract which may be committed by PATH, the Contractor expressly agrees that no default, act or omission of PATH shall constitute a material breach of this Contract, entitling the Contractor to cancel or rescind this Contract or to suspend or abandon performance.

8. Submission To Jurisdiction

The Contractor hereby irrevocably submits itself to the jurisdiction of the Courts of the State of New York and New Jersey, in regard to any controversy arising out of, connected with, or in any way concerning this Contract.

The Contractor agrees that the service of process on the Contractor in relation to such jurisdiction may be made, at the option of PATH, either by registered or certified mail addressed to it at the address of the Contractor indicated on the signature sheet, or by actual personal delivery to the Contractor, if the Contractor is an individual, to any partner if the Contractor be a partnership or to any officer, director or managing or general agent if the Contractor be a corporation.

Such service shall be deemed to be sufficient when jurisdiction would not lie because of the lack of basis to serve process in the manner otherwise provided by law. In any case, however, process may be served as stated above whether or not it might otherwise have been served in a different manner.

9. Harmony

- a. The Contractor shall not employ any persons or use any labor, or use or have any equipment, or permit any condition to exist which shall or may cause or be conducive to any labor complaints, troubles, disputes or controversies at the Facility which interfere or are likely to interfere with the operation of PATH or with the operations of lessees, licensees or other users of the Facility or with the operations of the Contractor under this Contract.

The Contractor shall immediately give notice to the Port Authority (to be followed by written notices and reports) of any and all impending or existing labor complaints, troubles, disputes or controversies and the progress thereof. The Contractor shall use its best efforts to resolve any such complaint, trouble, dispute or controversy. If any type of strike, boycott, picketing, work stoppage, slowdown or other labor activity is directed against the Contractor at the Facility or against any operations of the Contractor under this Contract, whether or not caused by the employees of the Contractor, and if any of the foregoing, in the opinion of PATH, results or is likely to result in any curtailment or diminution of the services to be performed hereunder or to interfere with or affect the operations of PATH, or to interfere with or affect the operations of lessees, licensees, or other users of the Facility or in the event of any other cessation or stoppage of operations by the Contractor hereunder for any reason whatsoever, PATH shall have the right at any time during the continuance thereof to suspend the operations of the Contractor under this Contract, and during the period of the suspension the Contractor shall not perform its services hereunder and the Port Authority shall have the right during said period to itself or by any third person or persons selected by it to perform said services of the Contractor using the equipment which is used by the Contractor in its operations hereunder as PATH deems necessary and without cost to PATH. During such time of suspension, the Contractor shall not be entitled to any compensation. Any flat fees, including management fees, shall be prorated. Prior to the exercise of such right by PATH, it shall give the Contractor notice thereof, which notice may be oral. No exercise by PATH of the rights granted to it in the above subparagraph shall be or be deemed to be a waiver of any rights of termination or revocation contained in this Contract or a waiver of any rights or remedies which may be available to PATH under this Contract or otherwise.

- b. During the time that the Contractor is performing the contract, other persons may be engaged in other operations on or about the worksite including Facility operations, pedestrian, bus and vehicular traffic and other Contractors performing at the worksite, all of which shall remain uninterrupted.

The Contractor shall so plan and conduct its operations as to work in harmony with others engaged at the site and not to delay, endanger or interfere with the operation of others (whether or not specifically mentioned above), all to the best interests of PATH and the public as may be directed by PATH.

10. Claims of Third Persons

The Contractor undertakes to pay all claims lawfully made against it by subcontractors, suppliers and workers, and all claims lawfully made against it by other third persons arising out of or in connection with

by any of the stockholders of the Contractor, seeking its reorganization or the readjustment of its indebtedness under the federal bankruptcy laws or under any law or statute of the United States or of any State thereof; or

3. A petition under any part of the federal bankruptcy laws or an action under any present or future insolvency law or statute shall be filed against the Contractor and shall not be dismissed within thirty (30) days after the filing thereof; or
4. The interest of the Contractor under this Contract shall be transferred to, passed to or devolve upon, by operation of law or otherwise, any other person, firm or corporation, or
5. The Contractor, if a corporation, shall, without the prior written approval of the Port Authority, become a surviving or merged corporation in a merger, a constituent corporation in a consolidation, or a corporation in dissolution; or
6. If the Contractor is a partnership, and the said partnership shall be dissolved as the result of any act or omission of its copartners or any of them, or by operation of law or the order or decree of any court having jurisdiction, or for any other reason whatsoever; or
7. By or pursuant to, or under authority of any legislative act, resolution or rule, or any order or decree of any court or governmental board, agency or officer having jurisdiction, a receiver, trustee, or liquidator shall take possession or control of all or substantially all of the property of the Contractor and such possession or control of all or substantially all of the property of the Contractor and shall continue in effect for a period of fifteen (15) days;

then upon the occurrence of any such event or at any time thereafter during the continuance thereof, the PATH shall have the right upon five (5) days notice to the Contractor to terminate this Contract and the rights of the Contractor hereunder; termination to be effective upon the date and time specified in such notice as if said date were the date of the expiration of this Contract. Termination shall not relieve the Contractor of any liabilities or obligations hereunder which have accrued on or prior to the effective date of termination.

c. If any of the following shall occur:

1. The Contractor shall cease, abandon any part of the service, desert, stop or discontinue its services in the premises for any reason whatsoever and regardless of the fault of the Contractor; or
2. The Contractor shall fail to keep, perform and observe each and every other promise, covenant and agreement set forth in this Contract on its part to be kept, performed or observed, within five (5) days after receipt of notice of default thereunder from PATH or the Port Authority on behalf of PATH (except where fulfillment of its obligations requires activity over a greater period of time, and the Contractor shall have commenced to perform whatever may be required for fulfillment within five (5) days after receipt of notice and continues such performance without interruption except for causes beyond its control);

then upon the occurrence of any such event or during the continuance thereof, PATH shall have the right on twenty four (24) hours notice to the Contractor to terminate this Contract and the rights of the Contractor hereunder, termination to be effective upon the date and time specified in such notice. Termination shall not relieve the Contractor of any liabilities which shall have accrued on or prior to the effective date of termination.

d. If any of the events enumerated in this Section shall occur prior to commencement date of this Contract PATH upon the occurrence of any such event or any time thereafter during the continuance thereof by twenty-four (24) hours notice may terminate or suspend this Contract and the rights of the Contractor hereunder, such termination or suspension to be effective upon the date specified in such notice.

interest shall be in lieu of and in liquidation of any damages to the Contractor because of such delay.

- i. If PATH has paid any sum or has incurred any obligation or expense which the Contractor has agreed to pay or reimburse PATH, or if PATH is required or elects to pay any sum or sums or incurs any obligations or expense by reason of the failure, neglect or refusal of the Contractor to perform or fulfill any one or more of the conditions, covenants, or agreements contained in this Contract, or as a result of an act of omission of the Contractor contrary to the said conditions, covenants and agreements, the Contractor shall pay to PATH the sum or sums so paid or expense so incurred, including all interests, costs and damages, promptly upon the receipt of PATH's statement therefore. PATH may, however, in its discretion, elect to deduct said sum or sums from any payment payable by it to the Contractor.
- j. If PATH pays any installment to the Contractor without reducing said installment as provided in this Contract, it may reduce any succeeding installment by the proper amount, or it may bill the Contractor for the amount by which the installment paid should have been reduced and the Contractor shall pay to PATH any such amount promptly upon receipt of PATH's statement therefore.
- k. PATH shall also have the rights set forth above in the event the Contractor shall become insolvent or bankrupt or if his affairs are placed in the hands of a receiver, trustee or assignee for the benefit of creditors.

15. Sales or Compensating Use Taxes

Purchases of services and tangible personal property by PATH in the States of New York and New Jersey are generally exempt from state and local sales and compensating use taxes, and from most federal excises (Taxes). Therefore, PATH's purchase of the Contractor's services under this Contract is exempt from Taxes. Accordingly, the Contractor must not include Taxes in the price charged to PATH for the Contractor's services under this Contract. The Contractor certifies that there are no such taxes included in the prices for this Contract. The Contractor shall retain a copy of this Contract to substantiate the exempt sale.

The compensation set forth in this Agreement is the complete compensation to the Contractor, and PATH will not separately reimburse the Contractor for any taxes unless specifically set forth in this Agreement.

16. No Estoppel or Waiver

PATH shall not be precluded or estopped by any payment, final or otherwise, issued or made under this Contract, from showing at any time the true amount and character of the services performed, or from showing that any such payment is incorrect or was improperly issued or made; and PATH shall not be precluded or estopped, notwithstanding any such payment, from recovering from the Contractor any damages which it may sustain by reason of any failure on its part to comply strictly with this Contract, and any moneys which may be paid to it or for its account in excess of those to which it is lawfully entitled.

No cancellation, rescission or annulment hereof, in whole or as to any part of the services to be provided hereunder, or because of any breach hereof, shall be deemed a waiver of any money damages to which PATH may be entitled because of such breach. Moreover, no waiver by the Authority of any breach of this Contract shall be deemed to be a waiver of any other or any subsequent breach.

17. Records and Reports

The Contractor shall set up, keep and maintain (and shall cause its subcontractors to set up, keep and maintain) in accordance with generally accepted accounting practice during the term of this Agreement and any extensions thereof and for three years after the expiration, termination or revocation thereof, records, payroll records and books of account (including, but not limited to, records of original entry and daily

forms, payroll runs, cancelled checks, time records, union agreements, contracts with health, pension and other third party benefit providers) recording all transactions of the Contractor (and its subcontractors), at, through or in any way connected with or related to the operations of the Contractor (and its subcontractors) hereunder, including but not limited to all matters relating to the charges payable to the Contractor hereunder, all wages and supplemental benefits paid or provided to or for its employees (and its subcontractors' employees) and such additional information as PATH may from time to time and at any time require, and also including, if appropriate, recording the actual number of hours of service provided under the Contract, and keeping separate records thereof which records and books of account shall be kept at all times within the Port District. The Contractor shall permit (and cause its subcontractors to permit) in ordinary business hours during the term of this Agreement including any extensions thereof and for three years thereafter the examination and audit by the officers, employees and representatives of PATH of such records and books of account and also any records and books of account of any company which is owned or controlled by the Contractor, or which owns or controls the Contractor if said company performs services similar to those performed by the Contractor anywhere in the Port District. However, if within the aforesaid three year period PATH has notified the Contractor in writing of a pending claim by PATH under or in connection with this Contract to which any of the aforesaid records and documents of the Contractor or of its subcontractors relate either directly or indirectly, then the period of such right of access shall be extended to the expiration of six years from the date of final payment with respect to the records and documents involved.

The Contractor (and its subcontractors) shall, at its own expense, install, maintain and use such equipment and devices for recording the labor hours of the service as shall be appropriate to its business and necessary or desirable to keep accurate records of the same and as the general manager or the Facility Superintendent/Manager may from time to time require, and the Contractor (and its subcontractors) shall at all reasonable times allow inspection by the agents and employees of PATH of all such equipment or devices.

- a. The Contractor hereby further agrees to furnish to PATH from time to time such written reports in connection with its operations hereunder as PATH may deem necessary or desirable. The format of all forms, schedules and reports furnished by the Contractor to PATH shall be subject to the continuing approval of PATH.
- b. No provision in this Contract giving PATH a right of access to records and documents is intended to impair or affect any right of access to records and documents which they would have in the absence of such provision. Additional record keeping may be required under other sections of this Contract.

18. General Obligations

- a. Except where expressly required or permitted herein to be oral, all notices, requests, consents and approvals required to be given to or by either party shall be in writing and all such notices, requests, consents and approvals shall be personally delivered to the other party during regular business hours or forwarded to such party by United States certified mail, return receipt requested, addressed to the other party at its address hereinbefore or hereafter provided. Until further notice the Contractor hereby designates the address shown on the bottom of the Contractors Signature Sheet as their address to which such notices, requests, consents, or approvals may be forwarded. All notices, requests, consents, or approvals of the Contractor shall be forwarded to the Superintendent/Manager at the Facility.
- b. The Contractor shall comply with the provisions of all present and future federal, state and municipal laws, rules, regulations, requirements, ordinances, orders and directions which pertain to its operations under this Contract and which affect the Contract or the performance thereof and those engaged therein as if the said Contract were being performed for a private corporation, except where stricter requirements are contained in the Contract in which case the Contract shall control. The Contractor shall procure for itself all licenses, certificates, permits or other authorization from all governmental authorities, if any, having jurisdiction over the Contractor's operations hereunder which may be

necessary for the Contractor's operations. The Contractor's obligation to comply with governmental requirements are not to be construed as a submission by PATH to the application to itself of such requirements.

- c. The Contractor shall pay all taxes, license, certification, permit and examination fees and excises which may be assessed on its property or operations hereunder or income therefrom, and shall make all applications, reports and returns required in connection therewith.
- d. The Contractor shall, in conducting its operations hereunder, take all necessary precautions to protect the general environment and to prevent environmental pollution, contamination, damage to property and personal injury. In the event the Contractor encounters material reasonably believed to be asbestos, polychlorinated biphenyl (PCB) or any other hazardous material, in conducting its operations hereunder, the Contractor shall immediately stop Work in the area affected and report the condition in writing to the Superintendent/Manager. Work in the affected area shall not thereafter be resumed by the Contractor except upon the issuance of a written order to that effect from the Superintendent/Manager.
- e. The Contractor shall promptly observe, comply with and execute the provisions of any and all present and future rules and regulations, requirements, standard orders and directions of the American Insurance Association, the Insurance Services Office, National Fire Protection Association, and any other body or organization exercising similar functions which may pertain or apply to the Contractor's operations hereunder.

The Contractor shall not do or permit to be done any act which:

- 1. will invalidate or be in conflict with any fire insurance policies covering the Facility or any part thereof or upon the contents of any building thereon; or
 - 2. will increase the rate of any fire insurance, extended coverage or rental insurance on the Facility or any part thereof or upon the contents of any building thereon; or
 - 3. in the opinion of PATH will constitute a hazardous condition, so as to increase the risk normally attendant upon the operations contemplated by this Contract; or
 - 4. may cause or produce in the premises, or upon the Facility any unusual, noxious or objectionable smoke, gases, vapors, odors; or
 - 5. may interfere with the effectiveness or accessibility of the drainage and sewerage system, fire protection system, sprinkler system, alarm system, fire hydrants and hoses, if any, installed or located or to be installed or located in or on the Facility; or
 - 6. shall constitute a nuisance in or on the Facility or which may result in the creation, commission or maintenance of a nuisance in or on the Facility.
- f. If by reason of the Contractor's failure to comply with the provisions of this Section and provided PATH has given the Contractor five (5) days written notice of its failure and the Contractor shall not have cured said failure within said five (5) days, any fire insurance, extended coverage or rental insurance rate on the Facility or any part thereof or upon the contents of any building thereon shall at any time be higher than it otherwise would be, then the Contractor shall on demand pay PATH that part of all fire insurance, extended coverage or rental insurance premiums paid or payable by PATH which shall have been charged because of such violations by the Contractor.
 - g. The Contractor shall conduct its operations hereunder so as not to endanger, unreasonably interfere with, or delay the operations or activities of any tenants or occupants on the premises or the Facility and, moreover, shall use the same degree of care in performance on the premises as would be required by law of PATH and shall conduct operations hereunder in a courteous, efficient and safe manner.
 - h. The Contractor shall provide such equipment and medical facilities as may be necessary to supply first aid service in case of accidents to its personnel who may be injured in the furnishing of service hereunder. The Contractor shall maintain standing arrangements for the removal and hospital treatment of any of its personnel who may be injured.

19. Assignments and Subcontracting

- a. The Contractor shall not sell, transfer, mortgage, pledge, subcontract or assign this Contract or any part thereof or any of the rights granted hereunder or any moneys due or to become due to it hereunder or enter into any contract requiring or permitting the doing of anything hereunder by an independent Contractor, without the prior written approval of PATH, and any such sale, transfer, mortgage, pledge, subcontract, assignment or contract without such prior written approval shall be void as to PATH.
- b. All subcontractors who provide permanent personnel to the Contractor for work under this Contract shall be given written notice to comply with all requirements of the Contract. The Contractor shall be responsible and liable for the performance and acts of each subcontractor.
- c. All persons to whom the Contractor sublets services shall be deemed to be its agents and no subletting or approval thereof shall be deemed to release this Contractor from its obligations under this Contract or to impose any obligations on PATH to such subcontractor or to give the subcontractor any rights against PATH.

20. Indemnification and Risks Assumed By The Contractor

To the extent permitted by law, the Contractor shall indemnify and hold harmless PATH, its Directors, officers, representatives and employees from and against all claims and demands, just or unjust, of third persons (including employees, officers, and agents of PATH) arising out of or in any way connected or alleged to arise out of or alleged to be in any way connected with the Contract and all other services and activities of the Contractor under this Contract and for all expenses incurred by it and by them in the defense, settlement or satisfaction thereof, including without limitation thereto, claims and demands for death, for personal injury or for property damage, direct or consequential, whether they arise from the acts or omissions of the Contractor, of PATH, of third persons, or from the acts of God or the public enemy, or otherwise, including claims and demands of any local jurisdiction against the Port Authority in connection with this Contract.

The Contractor assumes the following risks, whether such risks arise from acts or omissions (negligent or not) of the Contractor, PATH or third persons or from any other cause, excepting only risks occasioned solely by affirmative willful acts of PATH done subsequent to the opening of proposals on this Contract, and shall to the extent permitted by law indemnify PATH for all loss or damage incurred in connection with such risks:

- a. The risk of any and all loss or damage to Port Authority property, equipment (including but not limited to automotive and/or mobile equipment), materials and possessions, on or off the premises, the loss or damage of which shall arise out of the Contractor's operations hereunder. The Contractor shall if so directed by PATH, repair, replace or rebuild to the satisfaction of PATH, any and all parts of the premises or the Facility which may be damaged or destroyed by the acts or omissions of the Contractor, its officers, agents, or employees and if the Contractor shall fail so to repair, replace, or rebuild with due diligence PATH may, at its option, perform any of the foregoing work and the Contractor shall pay to PATH the cost thereof.
- b. The risk of any and all loss or damage of the Contractor's property, equipment (including but not limited to automotive and/or mobile equipment) materials and possessions on the Facility.
- c. The risk of claim, whether made against the Contractor or PATH, for any and all loss or damages occurring to any property, equipment (including but not limited to automotive and/or mobile equipment), materials and possessions of the Contractor's agents, employees, materialmen and others performing work hereunder.
- d. The risk of claims for injuries, damage or loss of any kind just or unjust of third persons arising or alleged to arise out of the performance of work hereunder, whether such claims are made against the Contractor or PATH.

If so directed, the Contractor shall at its own expense defend any suit based upon any such claim or demand, even if such suit, claim or demand is groundless, false or fraudulent, and in handling such shall not, without obtaining express advance permission from the General Counsel of PATH, raise any defense involving in any way the jurisdiction of the tribunal over the person of PATH, the immunity of PATH, its Directors, officers, agents or employees, the governmental nature of PATH or the provision of any statutes respecting suits against PATH.

Neither the requirements of PATH under this Contract, nor of PATH of the methods of performance hereunder nor the failure of PATH to call attention to improper or inadequate methods or to require a change in the method of performance hereunder nor the failure of PATH to direct the Contractor to take any particular precaution or other action or to refrain from doing any particular thing shall relieve the Contractor of its liability for injuries to persons or damage to property or environmental impairment arising out of its operations.

21. Approval of Methods

Neither the approval of PATH of the methods of furnishing services hereunder nor the failure of PATH to call attention to improper or inadequate methods or to require a change in the method of furnishing services hereunder, nor the failure of PATH to direct the Contractor to take any particular precautions or to refrain from doing any particular thing shall relieve the Contractor of its liability for injuries to persons or damage to property or environmental impairment arising out of its operations.

22. Safety and Cleanliness

- a. The Contractor shall, in the furnishing of services hereunder, exercise every precaution to prevent injury to person or damage to property or environmental impairment and avoid inconvenience to the occupants of or any visitors to the Facility. The Contractor shall, without limiting the generality hereof, place such personnel, erect such barricades and railings, give such warnings, display such lights, signals or signs, place such cones and exercise precautions as may be necessary, proper or desirable.
- b. The Contractor shall in case of unsafe floor conditions due to construction, wetness, spillage, sickness and all other types of hazardous conditions proceed to rope off the unsafe area and place appropriate warnings signs to prevent accidents from occurring. The Contractor shall clean said area to the satisfaction of the Superintendent/Manager.
- c. The Contractor shall at all times maintain in a clean and orderly condition and appearance any and all facilities provided by PATH for the Contractor's operations, and all fixtures, sink closets, equipment, and other personal property of PATH which are located in said facilities.

23. Accident Reports

The Contractor shall promptly report in writing to the Manager of the Facility and to the Deputy Chief, Litigation Management of PATH all accidents whatsoever arising out of or in connection with its operations hereunder and which result in death or injury to persons or damage to property, setting forth such details thereof as PATH may desire. In addition, if death or serious injury or serious damage is caused, such accidents shall be immediately reported by telephone to the aforesaid representatives of PATH.

24. Trash Removal

The Contractor shall remove daily from the Facility by means provided by the Contractor all garbage, debris and other waste material (solid or liquid) arising out of or in connection with its operations hereunder, and any such garbage, debris and other waste material not immediately removed shall be temporarily stored in a clear and sanitary condition, approved by the Superintendent/Manager and shall be kept covered except when filling or emptying them. The Contractor shall exercise care in removing such garbage, debris and other waste materials from the Facility. The manner of such storage and removal shall always be subject in

all respects to the continual approval of PATH. No equipment or facilities of PATH shall be used in such removal unless with its prior consent in writing. No such garbage, debris or other waste materials shall be or be permitted to be thrown, discharged or disposed into or upon the waters at or bounding the Facility.

25. Lost and Found Property

The Contractor shall instruct its personnel that all items of personal property found by the Contractor's employees at the Site must be turned in to PATH and a receipt will be issued therefor.

26. Property of the Contractor

- a. All property of the Contractor at the Site by virtue of this Contract shall be removed on or before the expiration or sooner termination or revocation of this Contract.
- b. If the Contractor shall fail to remove its property upon the expiration, termination or revocation of this Contract PATH may, at its option, dispose of such property as waste or as agent for the Contractor and at the risk and expense of the Contractor, remove such property to a public warehouse, or may retain the same in its own possession, and in either event after the expiration of thirty (30) days may sell the same in accordance with any method deemed appropriate; the proceeds of any such sale shall be applied first, to the expenses of sale and second, to any sums owed by the Contractor to PATH; any balance remaining shall be paid to the Contractor. Any excess of the total cost of removal, storage and sale and other costs incurred by PATH as a result of such failure of performance by the Contractor over the proceeds of sale shall be paid by the Contractor to PATH upon demand.

27. Modification of Contract

This Contract may not be changed except in writing signed by PATH and the Contractor. The Contractor agrees that no representation or warranties shall be binding upon PATH unless expressed in writing in this Contract.

28. Invalid Clauses

If any provision of this Contract shall be such as to destroy its mutuality or to render it invalid or illegal, then, if it shall not appear to have been so material that without it the Contract would not have been made by the parties, it shall not be deemed to form part thereof but the balance of the Contract shall remain in full force and effect.

29. Approval of Materials, Supplies and Equipment

Only Port Authority/PATH approved materials, supplies, and equipment are to be used by the Contractor in performing the Work hereunder. Inclusion of chemical containing materials or supplies on the Port Authority/ PATH Approved Products List – Environmental Protection Supplies constitutes approval. The list may be revised from time to time and at any time by the Port Authority/PATH and it shall be incumbent upon the Contractor to obtain the most current list from the Superintendent/Manager of the Facility.

At anytime during the Solicitation, pre-performance or performance periods, the Contractor may propose the use of an alternate product or products to those on the Approved Products List – Environmental Protection Supplies, which product(s) shall be subject to review and approval by the Port Authority. Any alternate product so approved by the Port Authority/PATH may be used by the Contractor in performing the Services hereunder. Until such approval is given, only products on the Approved Products List – Environmental Protection Supplies may be used.

30. Intellectual Property

The right to use all patented materials, appliances, processes of manufacture or types of construction, trade and service marks, copyrights and trade secrets, collectively hereinafter referred to as "Intellectual Property Rights", in the performance of the work, shall be obtained by the Contractor without separate or additional compensation. Where the services under this Agreement

any time by the Superintendent/Manager during the term of the Contract.

33. Notification of Security Requirements

PATH operates facilities and systems, at which terrorism or other criminal acts may have a significant impact on life safety and key infrastructures. PATH reserves the right to impose multiple layers of security requirements on the performance of the Contract work, including on the Contractor, its staff and subcontractors and their staffs depending upon the level of security required, as determined by PATH. The Contractor shall and shall instruct its subcontractors to cooperate with PATH staff in adopting security requirements. These security requirements may include but may not be limited to the following:

i. Identity Checks and Background Screening

Contractor/subcontractor identity checks and background screening shall include but shall not be limited to: (1) inspection of not less than two forms of valid/current government issued identification (at least one having an official photograph) to verify staff's name and residence; (2) screening of federal, state, and/or local criminal justice agency information databases and files; (3) screening of any terrorist identification files; (4) multi-year check of personal, employment and /or credit history; (5) access identification to include some form of biometric security methodology such as fingerprint, facial or iris scanning.

The Contractor may be required to have its staff, and any subcontractor's staff, authorize PATH or its designee to perform background checks. Such authorization shall be in a form acceptable to PATH. If PATH directs the Contractor to have identity checks and background screening performed by a particular firm designated by PATH, PATH will compensate the Contractor for the cost of such screening pursuant to the Extra Work provisions of the Contract.

ii. Issuance of Photo Identification cards:

If PATH requires facility-specific identification cards for the Contractor's and subcontractors' staff, PATH will supply such identification cards at no cost to the Contractor.

iii. Access control, inspection, and monitoring by security guards:

PATH will provide for facility access control, inspection and monitoring by Authority retained security guards. Should PATH require the Contractor to hire security guards for the purpose of facility access control and inspection in lieu of or in addition to PATH retained facility security guards, the Contractor will be reimbursed for the cost of such security guards pursuant to the Extra Work provisions of the Contract. However, this provision shall not relieve the Contractor of its responsibility to secure its equipment and work at the facility at its own expense.

PATH may impose, increase, and/or upgrade security requirements for the Contractor, subcontractors and their staffs during the term of this Contract to address changing security conditions and/or new governmental regulations.

34. Construction In Progress

The Contractor recognizes that construction may be in progress at the Facility and may continue throughout the term of this Contract. Notwithstanding, the Contractor shall at all times during the term hereof maintain the same standards of performance and cleanliness as prevails in non-affected areas as required by the standards hereunder.

35. Permit-Required Confined Space Work

Prior to commencement of any work, the Contractor shall request and obtain from PATH a description of all

spaces at the facility which are permit-required confined spaces requiring issuance of an OSHA permit.

Prior to the commencement of any work in a permit-required confined space at a Port Authority facility requiring issuance of an OSHA permit, the Contractor shall contact the Superintendent/Manager to obtain a PATH Contractor Permit-Required Confined Space Notification form. The notification form must be filled out and submitted prior to commencing permit-required confined space work. All confined space work shall be performed in accordance with all applicable OSHA requirements. The Contractor shall provide its employees with a copy of its own company permit and shall furnish PATH with a copy of the permit upon completion of the work. The Contractor must supply all equipment required for working in a confined space.

36. Signs

Except with the prior written approval of PATH, the Contractor shall not erect, maintain or display any signs or posters or any advertising on or about the Facility.

37. Vending Machines, Food Preparation

The Contractor shall not install, maintain or operate on the Facility, or on any other PATH property, any vending machines without the prior written approval of the Port Authority. No foods or beverages shall be prepared or consumed at the Facility by any of the Contractor's employees except in areas as may be specifically designated by PATH for such purpose.

38. Non-Publication

The Contractor shall not issue nor permit to be issued any press release, advertisement, or literature of any kind, which refers to PATH or to the fact that goods have been, are being or will be provided to it and/or that services have been, are being or will be performed for it in connection with this Agreement, unless the vendor first obtains the written approval of PATH. Such approval may be withheld if for any reason PATH believes that the publication of such information would be harmful to the public interest of is in any way undesirable.

39. Time is of the Essence

Time is of the essence in the Contractor's performance of this Contract inasmuch as the Work to be performed will affect the operation of public facilities.

40. Holidays

The following holidays will be observed at the Site:

| | |
|----------------------------|------------------|
| New Year's Day | Labor Day |
| Martin Luther King Jr. Day | Columbus Day |
| Presidents' Day | Election Day |
| Memorial Day | Veterans Day |
| Independence Day | Thanksgiving Day |
| | Christmas Day |

This list is subject to periodic revision and the Contractor shall be responsible for obtaining all updated lists from the office of the Superintendent/Manager. If any such holiday falls on a Sunday then the next day shall be considered the holiday and/or if any such holiday falls on a Saturday then the preceding day shall be considered the holiday.

41. Personnel Standards

In addition to any specific personnel requirements that may be required under the clause entitled "Personnel Requirements" in the Specifications, the Contractor (and any Subcontractor) shall furnish competent and adequately trained personnel to perform the Work hereunder. If, in the opinion of the Superintendent/Manager, any employee so assigned is performing their functions unsatisfactorily, they shall be replaced by the Contractor within twenty-four (24) hours following the Contractor's receipt of the Superintendent/Manager's request for such replacement.

All Contractor's employees performing Work hereunder shall have the ability to communicate in the English language to the extent necessary to comprehend directions given by either the Contractor's supervisory staff or by the Superintendent/Manager's staff. Any employee operating a motor vehicle must have a valid driver's license.

42. General Uniform Requirements for Contractor's Personnel

In addition to any specific uniform requirements that may be required by the Specifications, uniforms must be worn at all times during which the Services are being performed hereunder. The Contractor agrees that his/her employees will present a neat, clean and orderly appearance at all times. Uniforms shall include the Contractor's identification badge with picture ID bearing the employee's name. All uniforms, colors, types and styles shall be subject to the prior approval of the Superintendent/Manager. The Contractor will also be responsible for ensuring that its employees are wearing shoes appropriate for the tasks performed. The Superintendent/Manager shall have the right to require removal of any employee who shall fail to wear the proper uniform and shoes, and the exercise of this right shall not limit the obligation of the Contractor to perform the Services or to furnish any required number of employees at a specific location at the Site as specified.

43. Labor, Equipment and Materials Supplied by the Contractor

The Contractor shall, at all times during the performance of this Contract, furnish all necessary labor, supervision, equipment and materials necessary for the prompt and efficient performance of the Work, whether such materials and equipment are actually employed in the furnishing of the Work or whether incidental thereto.

All materials used by the Contractor in furnishing Work hereunder shall be of such quality as to accomplish the purposes of this Contract and the Services to be furnished hereunder in such manner so as not to damage any part of the Site.

PATH by its officers, employees and representatives shall have the right at all times to examine the supplies, materials and equipment used by the Contractor, to observe the operations of the Contractor, its agents, servants and employees and to do any act or thing which PATH may be obligated or have the right to do under this Contract or otherwise.

All equipment, materials and supplies used in the performance of this Contract required hereunder shall be used in accordance with their manufacturer's instructions.

Materials and supplies to be provided by the Contractor hereunder shall comply with OSHA and all applicable regulations.

44. Contractor's Vehicles – Parking - Licenses

At the discretion of the Superintendent/Manager, PATH may permit the Contractor during the effective period of this Contract to park vehicle(s) used by it in its operations hereunder in such location as may from time to time or at any time be designated by the Superintendent/Manager. The Contractor shall comply with such existing rules, regulations and procedures as are now in force and such reasonable future rules, regulations and procedures as may hereafter be adopted by PATH for the safety and convenience of persons who park automotive vehicles in any parking area at the Site or for the safety and proper identification of such vehicles, and the Contractor shall also comply with any and all directions pertaining to such parking which

may be given from time to time and at any time by the Superintendent/Manager. Any vehicle used by the Contractor hereunder shall be marked or placarded, identifying it as the Contractor's vehicle.

45. Superintendent/Manager's Authority

In the performance of the Work hereunder, the Contractor shall conform to all orders, directions and requirements of the Superintendent/Manager and shall perform the Work hereunder to the satisfaction of the Superintendent/Manager at such times and places, by such methods and in such manner and sequence as he/she may require, and the Contract shall at all stages be subject to his/her inspection. The Superintendent/Manager shall determine the amount, quality, acceptability and fitness of all parts of the Work and shall interpret the Specifications and any orders for Extra Work. The Contractor shall employ no equipment, materials, methods or staff or personnel to which the Superintendent/Manager objects. Upon request, the Superintendent/Manager shall confirm in writing any oral order, direction, requirement or determination.

The Superintendent/Manager shall have the authority to decide all questions in connection with the Services to be performed hereunder. The exercise by the Superintendent/Manager of the powers and authorities vested in him/her by this section shall be binding and final upon PATH and the Contractor.

46. Price Preference

If this solicitation has not been set aside for the purposes of making an award based on bids solicited from Port Authority certified Minority Business, Women Business or Small Business Enterprises as indicated by the bidder pre-requisites in Part II hereof, for awards of contracts, not exceeding \$1,000,000, for:

- (a) Services, a price preference of 5% is available for New York or New Jersey Small Business Enterprises (SBE); or
- (b) Services (excluding Janitorial/Cleaning Services), a price preference of 10% is available for New York or New Jersey Minority or Women Business Enterprises (M/WBE),

certified by the Port Authority by the day before the bid opening.

If the Bidder is a Port Authority certified MBE, WBE or SBE, enter the applicable date(s) certification was obtained in the space provided on the Signature Sheet attached hereto.

47. Good Faith Participation

If specified as applicable to this Contract, the Contractor shall use every good-faith effort to provide for meaningful participation by certified Minority Business Enterprises (MBEs) and certified Women-owned Business Enterprises (WBEs) as defined in the Standard Contract Terms and Conditions, in all purchasing, subcontracting and ancillary service opportunities associated with this Contract, including purchase of equipment, supplies and labor services.

Good Faith efforts to include participation by MBEs/WBEs shall include the following:

- a. Dividing the services and materials to be procured into small portions, where feasible.
- b. Giving reasonable advance notice of specific contracting, subcontracting and purchasing opportunities to such MBEs/WBEs as may be appropriate.
- c. Soliciting services and materials, to be procured, from the Directory of MBEs/WBEs, a copy of which can be obtained by contacting the Port Authority's Office of Business and Job Opportunity at (212) 435-7819 or seeking MBEs/WBEs from other sources.
- d. Insuring that provision is made to provide progress payments to MBEs/WBEs on a timely basis.

PART III CONTRACTOR'S INTEGRITY PROVISIONS

1. Certification of No Investigation (criminal or civil anti-trust), Indictment, Conviction, Debarment, Suspension, Disqualification and Disclosure of Other Information

By bidding on this Contract, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, that the Bidder and each parent and/or affiliate of the Bidder has not

- a. been indicted or convicted in any jurisdiction;
- b. been suspended, debarred, found not responsible or otherwise disqualified from entering into any contract with any governmental agency or been denied a government contract for failure to meet standards related to the integrity of the Bidder;
- c. had a contract terminated by any governmental agency for breach of contract or for any cause based in whole or in part on an indictment or conviction;
- d. ever used a name, trade name or abbreviated name, or an Employer Identification Number different from those inserted in the Bid;
- e. had any business or professional license suspended or revoked or, within the five years prior to bid opening, had any sanction imposed in excess of \$50,000 as a result of any judicial or administrative proceeding with respect to any license held or with respect to any violation of a federal, state or local environmental law, rule or regulation;
- f. had any sanction imposed as a result of a judicial or administrative proceeding related to fraud, extortion, bribery, bid rigging, embezzlement, misrepresentation or anti-trust regardless of the dollar amount of the sanctions or the date of their imposition; and
- g. been, and is not currently, the subject of a criminal investigation by any federal, state or local prosecuting or investigative agency and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency.

2. Non-Collusive Bidding, and Code of Ethics Certification, Certification of No Solicitation Based On Commission, Percentage, Brokerage, Contingent or Other Fees

By bidding on this Contract, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, that

- a. the prices in its bid have been arrived at independently without collusion, consultation, communication or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- b. the prices quoted in its bid have not been and will not be knowingly disclosed directly or indirectly by the Bidder prior to the official opening of such bid to any other bidder or to any competitor;
- c. no attempt has been made and none will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition;
- d. this organization has not made any offers or agreements or taken any other action with respect to any Authority or PATH employee or former employee or immediate family member of either which would constitute a breach of ethical standards under the Code of Ethics dated April 11, 1996 (a copy of which is available upon request to the individual named in the clause hereof entitled "Bidder's Questions"), nor does this organization have any knowledge of any act on the part of an Authority or PATH employee or former Authority or PATH employee relating either directly or indirectly to this organization which constitutes a breach of the ethical standards set forth in said Code;
- e. no person or selling agency other than a bona fide employee or bona fide established commercial or selling agency maintained by the Bidder for the purpose of securing business, has been employed or retained by the Bidder to solicit or secure this Contract on the understanding that a commission, percentage, brokerage, contingent, or other fee would be paid

- to such person or selling agency; and
- f. the bidder has not offered, promised or given, demanded or accepted, any undue advantage, directly or indirectly, to or from a public official or employee, political candidate, party or party official, or any private sector employee (including a person who directs or works for a private sector enterprise in any capacity), in order to obtain, retain, or direct business or to secure any other improper advantage in connection with this Contract.

The foregoing certifications shall be deemed to be made by the Bidder as follows:

- * if the Bidder is a corporation, such certification shall be deemed to have been made not only with respect to the Bidder itself, but also with respect to each parent, affiliate, director, and officer of the Bidder, as well as, to the best of the certifier's knowledge and belief, each stockholder of the Bidder with an ownership interest in excess of 10%;
- * if the Bidder is a partnership, such certification shall be deemed to have been made not only with respect to the Bidder itself, but also with respect to each partner.

Moreover, the foregoing certifications, if made by a corporate Bidder, shall be deemed to have been authorized by the Board of Directors of the Bidder, and such authorization shall be deemed to include the signing and submission of the bid and the inclusion therein of such certification as the act and deed of the corporation.

In any case where the Bidder cannot make the foregoing certifications, the Bidder shall so state and shall furnish with the signed bid a signed statement which sets forth in detail the reasons therefor. If the Bidder is uncertain as to whether it can make the foregoing certifications, it shall so indicate in a signed statement furnished with its bid, setting forth in such statement the reasons for its uncertainty. As a result of such disclosure, the PATH shall take appropriate action up to and including a finding of non-responsibility.

Failure to make the required disclosures shall lead to administrative actions up to and including a finding of non-responsibility.

Notwithstanding that the Bidder may be able to make the foregoing certifications at the time the bid is submitted, the Bidder shall immediately notify PATH in writing during the period of irrevocability of bids on this Contract of any change of circumstances which might under this clause make it unable to make the foregoing certifications or require disclosure. The foregoing certifications or signed statement shall be deemed to have been made by the Bidder with full knowledge that they would become a part of the records of PATH and that PATH will rely on their truth and accuracy in awarding this Contract. In the event that PATH should determine at any time prior or subsequent to the award of this Contract that the Bidder has falsely certified as to any material item in the foregoing certifications or has willfully or fraudulently furnished a signed statement which is false in any material respect, or has not fully and accurately represented any circumstance with respect to any item in the foregoing certifications required to be disclosed, PATH may determine that the Bidder is not a responsible Bidder with respect to its bid on the Contract or with respect to future bids on PATH contracts and may exercise such other remedies as are provided to it by the Contract with respect to these matters. In addition, Bidders are advised that knowingly providing a false certification or statement pursuant hereto may be the basis for prosecution for offering a false instrument for filing (see e.g. New York Penal Law, Section 175.30 et seq.). Bidders are also advised that the inability to make such certification will not in and of itself disqualify a Bidder, and that in each instance PATH will evaluate the reasons therefor provided by the Bidder. Under certain circumstances the Bidder may be required as a condition of Contract award to enter into a Monitoring Agreement under which it will be required to take certain specified actions, including compensating an independent Monitor to be selected by PATH, said Monitor to be charged with, among other things, auditing the actions of the Bidder to determine whether its business practices and relationships indicate a level of integrity sufficient to permit it to continue business with PATH.

3. Bidder Eligibility for Award of Contracts - Determination by an Agency of the State of New York or New Jersey Concerning Eligibility to Receive Public Contracts

Bidders are advised that PATH has adopted a policy to the effect that in awarding its contracts it will honor any determination by an agency of the State of New York or New Jersey that a Bidder is not eligible to bid on or be awarded public contracts because the Bidder has been determined to have engaged in illegal or dishonest conduct or to have violated prevailing rate of wage legislation.

The policy permits a Bidder whose ineligibility has been so determined by an agency of the State of New York or New Jersey to submit a bid on a Port Authority contract and then to establish that it is eligible to be awarded a contract on which it has bid because (i) the state agency determination relied upon does not apply to the Bidder, or (ii) the state agency determination relied upon was made without affording the Bidder the notice and hearing to which the Bidder was entitled by the requirements of due process of law, or (iii) the state agency determination was clearly erroneous or (iv) the state determination relied upon was not based on a finding of conduct demonstrating a lack of integrity or violation of a prevailing rate of wage law.

The full text of the resolution adopting the policy may be found in the Minutes of PATH's Board of Commissioners meeting of September 9, 1993.

4. No Gifts, Gratuities, Offers of Employment, Etc.

During the term of this Contract, the Contractor shall not offer, give or agree to give anything of value either to a Port Authority or PATH employee, agent, job shopper, consultant, construction manager or other person or firm representing the Port Authority, or to a member of the immediate family (i.e., a spouse, child, parent, brother or sister) of any of the foregoing, in connection with the performance by such employee, agent, job shopper, consultant, construction manager or other person or firm representing the Port Authority or PATH of duties involving transactions with the Contractor on behalf of the Port Authority or PATH, whether or not such duties are related to this Contract or any other Port Authority contract or matter. Any such conduct shall be deemed a material breach of this Contract.

As used herein "anything of value" shall include but not be limited to any (a) favors, such as meals, entertainment, transportation (other than that contemplated by the Contract or any other Port Authority or PATH contract), etc. which might tend to obligate the Port Authority or PATH employee to the Contractor, and (b) gift, gratuity, money, goods, equipment, services, lodging, discounts not available to the general public, offers or promises of employment, loans or the cancellation thereof, preferential treatment or business opportunity. Such term shall not include compensation contemplated by this Contract or any other Port Authority or PATH contract. Where used herein, the term "Port Authority" shall be deemed to include all subsidiaries of the Port Authority.

The Contractor shall insure that no gratuities of any kind or nature whatsoever shall be solicited or accepted by it and by its personnel for any reason whatsoever from the passengers, tenants, customers or other persons using the Facility and shall so instruct its personnel.

In addition, during the term of this Contract, the Contractor shall not make an offer of employment or use confidential information in a manner proscribed by the Code of Ethics and Financial Disclosure dated April 11, 1996 (a copy of which is available upon request to the Office of the Secretary of the Port Authority).

The Contractor shall include the provisions of this clause in each subcontract entered into under this Contract.

5. Conflict of Interest

During the term of this Contract, the Contractor shall not participate in any way in the preparation, negotiation or award of any contract (other than a contract for its own services to PATH) to which it is contemplated PATH

may become a party, or participate in any way in the review or resolution of a claim in connection with such a contract if the Contractor has a substantial financial interest in the contractor or potential contractor of PATH or if the Contractor has an arrangement for future employment or for any other business relationship with said contractor or potential contractor, nor shall the Contractor at any time take any other action which might be viewed as or give the appearance of conflict of interest on its part. If the possibility of such an arrangement for future employment or for another business arrangement has been or is the subject of a previous or current discussion, or if the Contractor has reason to believe such an arrangement may be the subject of future discussion, or if the Contractor has any financial interest, substantial or not, in a contractor or potential contractor of PATH, and the Contractor's participation in the preparation, negotiation or award of any contract with such a contractor or the review or resolution of a claim in connection with such a contract is contemplated or if the Contractor has reason to believe that any other situation exists which might be viewed as or give the appearance of a conflict of interest, the Contractor shall immediately inform the Director/General Manager in writing of such situation giving the full details thereof. Unless the Contractor receives the specific written approval of the Director/General Manager, the Contractor shall not take the contemplated action which might be viewed as or give the appearance of a conflict of interest. In the event the Director/General Manager shall determine that the performance by the Contractor of a portion of its Services under this Agreement is precluded by the provisions of this numbered paragraph, or a portion of the Contractor's said Services is determined by the Director/General Manager to be no longer appropriate because of such preclusion, then the Director/General Manager shall have full authority on behalf of both parties to order that such portion of the Contractor's Services not be performed by the Contractor, reserving the right, however, to have the Services performed by others and any lump sum compensation payable hereunder which is applicable to the deleted work shall be equitably adjusted by the parties. The Contractor's execution of this document shall constitute a representation by the Contractor that at the time of such execution the Contractor knows of no circumstances, present or anticipated, which come within the provisions of this paragraph or which might otherwise be viewed as or give the appearance of a conflict of interest on the Contractor's part. The Contractor acknowledges that PATH may preclude it from involvement in certain disposition/privatization initiatives or transactions that result from the findings of its evaluations hereunder or from participation in any contract which results, directly or indirectly, from the Services provided by the Contractor hereunder.

6. Definitions

As used in this section, the following terms shall mean:

Affiliate - Two or more firms are affiliates if a parent owns more than fifty percent of the voting stock of each of the firms, or a common shareholder or group of shareholders owns more than fifty percent of the voting stock of each of the firms, or if the firms have a common proprietor or general partner.

Agency or Governmental Agency - Any federal, state, city or other local agency, including departments, offices, public authorities and corporations, boards of education and higher education, public development corporations, local development corporations and others.

Investigation - Any inquiries made by any federal, state or local criminal prosecuting agency and any inquiries concerning civil anti-trust investigations made by any federal, state or local governmental agency. Except for inquiries concerning civil anti-trust investigations, the term does not include inquiries made by any civil government agency concerning compliance with any regulation, the nature of which does not carry criminal penalties, nor does it include any background investigations for employment, or Federal, State, and local inquiries into tax returns.

Officer - Any individual who serves as chief executive officer, chief financial officer, or chief operating officer of the Bidder by whatever titles known.

Parent - An individual, partnership, joint venture or corporation which owns more than 50% of the voting stock of the Bidder.

If the solicitation is a Request for Proposal:

Bid - shall mean Proposal;

Bidder - shall mean Proposer;

Bidding - shall mean submitting a Proposal.

In a Contract resulting from the taking of bids:

Bid - shall mean bid;

Bidder - shall mean Bidder;

Bidding - shall mean executing this Contract.

In a Contract resulting from the taking of Proposals:

Bid - shall mean Proposal;

Bidder - shall mean Proposer;

Bidding - shall mean executing this Contract.