

# THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT  
4 WORLD TRADE CENTER, 21<sup>ST</sup> FL.  
150 GREENWICH STREET  
NEW YORK, NY 10007

## INVITATION FOR BID

ISSUE DATE: 6/15/2020

**TITLE: OPERATION AND MAINTENANCE SERVICE OF THE BUILDING SYSTEMS, EQUIPMENT, FACILITIES AND STRUCTURES AT HARRISON CAR MAINTENANCE FACILITY (HCMF) AND JOURNAL SQUARE TRANSPORTATION CENTER (JSTC)**

**BID NO.: 61342**

**Refer to Part I Section 2 "Form and Submission of Bid" for submission instructions.**

**BID DUE DATE: 7/1/2020**

**TIME: 11:00 AM**

**BUYER NAME: STEVEN JOSEPH**

**PHONE NO.: (212) 435-4658**

**EMAIL: stjoseph@panynj.gov**

**BIDDER INFORMATION**  
**(TO BE COMPLETED BY THE BIDDER)**  
**(PLEASE PRINT)**

\_\_\_\_\_  
(NAME OF BIDDING ENTITY)

\_\_\_\_\_  
(ADDRESS, CITY, STATE, ZIP CODE)

\_\_\_\_\_  
(REPRESENTATIVE TO CONTACT - NAME AND TITLE)

\_\_\_\_\_  
(EMAIL ADDRESS, PHONE NO. AND FAX NO.)

FEDERAL TAX ID NO.: \_\_\_\_\_ BUSINESS CORPORATION \_\_\_\_\_  
PARTNERSHIP \_\_\_\_\_ INDIVIDUAL \_\_\_\_\_ OTHER: \_\_\_\_\_

## **INVITATION FOR BID**

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## **PART I - STANDARD INFORMATION FOR BIDDERS**

### **1. General Information: The Port Authority of New York and New Jersey**

For background with respect to The Port Authority of New York and New Jersey (the “Port Authority”), see [www.panynj.gov](http://www.panynj.gov). Additionally, an electronic version of the Port Authority’s most recent Annual Report is available at <http://corpinfo.panynj.gov/pages/annual-reports/html>.

### **2. Form and Submission of Bid**

**The Port Authority has temporarily ceased public bid openings and will allow for the electronic submission of bids.**

Bidders are advised that their bids must be electronically submitted as a readable Adobe PDF or in the format as provided by the Port Authority. The Port Authority shall **only** accept bids in electronic format until 11:00 A.M. ET on the Bid Due Date.

Electronic Bids should be submitted via email only to Bid Custodian at [bidrfpsubmittal@panynj.gov](mailto:bidrfpsubmittal@panynj.gov). Each electronic Bid submission must include all required information. The Port Authority may request an original, signed paper submission at any time following the Bid Due Date.

**Each email submission should include the Due Date, Bid #, and solicitation title.**

[If requested by the Port Authority, the paper submission must be identical to the electronic submission that was submitted by the Bid Due Date. In the event of a discrepancy, the electronic submission shall take precedence.](#)

**THERE WILL BE NO PUBLIC BID OPENINGS AND HAND DELIVERIES WILL NOT BE ACCEPTED.** Bid results will be posted to the Port Authority’s website as soon as they are available.

Bidders should anticipate that some emails may take a period to be delivered, and as such, should send them as early as possible to ensure it is received no later than 11:00 A.M. ET in the designated Port Authority’s designated email account.

Bidders should note that there is a limit to the size of attachments that can be received by the Port Authority’s designated email account. That limit is 100MB. Additionally, Bidders must check their files to ensure they have submitted complete documents, i.e. no missing pages.

Bidders’ internal networks may have limits on the size of emails they can send. Therefore, it is incumbent upon the Bidder to determine ahead of time that the file(s) being submitted can both be transmitted by their servers and accepted by Port Authority servers. If the files are too big, the Port Authority will accept Bid in multiple emails, provided all parts which comprise a complete submission are received by the Bid Due Date and time and all emails should include the Bid # and title. Under

this circumstance, Bidders should note in the description of the email that the Bid will be arriving in multiple parts and include in the subject line the total number of components and which component, of the total, the particular transmission represents.

### **3. Vendor Profile**

To ensure maximum opportunities, it is vitally important that Bidders keep their vendor profiles up to date with an appropriate e-mail address, as this will enable their firm to receive timely notice of advertisements, reminders, solicitations and addenda. Bidders may update their vendor profile or register as a Port Authority Vendor by accessing the online registration system at <https://www.paprocure.com/>.

### **4. Acknowledgment of Addenda**

If any Addenda are posted or sent as part of this Bid, the Bidder shall complete, sign and include with its Bid the addenda form(s). In the event any Bidder fails to conform to these instructions, its Bid will nevertheless be construed as though the Addenda had been acknowledged.

If the Bidder downloaded this solicitation document, it is the responsibility of the Bidder to periodically check the Port Authority website at <http://www.panynj.gov/business-opportunities/Bid-proposal-advertisements.html> and download any addenda that might have been issued in connection with this solicitation.

### **5. Firm Offer**

The Bidder offers to provide the Port Authority Trans-Hudson Corporation (“PATH”) the services and to perform all 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 terms “Port Authority,” or “Authority,” 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.**

### **6. 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 Port 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.

### **7. 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 Contracts Specialist listed on the Cover Sheet of this document. The Contracts Specialist 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 will be communicated to all Bidders by written addenda issued under the name of the Manager, Commodities & Services Division, Procurement Department of the Port Authority and may be posted on the Port Authority website. Addenda shall be considered part of the Contract.

#### **8. Additional Information To and From Bidders**

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.

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.

#### **9. 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.

#### **10. 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.

#### **11. Bidder’s Prerequisites**

Only Bids from Bidders that can satisfactorily demonstrate meeting the prerequisites specified in Part II hereof at the time of Bid submission 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 it will be deemed qualified in connection with other Bid requirements included herein.

#### **12. 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 the Bidder’s 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 may 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 their authorized designee, that such statements accurately reflect the present financial condition of the Bidder.

Where the statements submitted pursuant to subparagraphs (i), (ii) or (iii) are dated prior to forty-five (45) days before the Bid opening, then the Bidder shall submit a statement in writing, signed by an executive officer of the Bidder or their designee, that the present financial condition of the Bidder is at least as good as that shown on the statements submitted.

2. Bidder's statement of work 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.

### **13. Contractor's Integrity Provisions**

By submitting a Bid, Bidders shall be deemed to have made the certifications contained in the clauses entitled "Certification of No Investigation (criminal or civil anti-trust), Indictment, Conviction, Debarment, Suspension, Disqualification and Disclosure of Other Information," and "Non-Collusive Bidding, and Code of Ethics Certification, Certification of No Solicitation Based On Commission, Percentage, Brokerage, Contingent or Other Fees" contained within the Standard Terms and Conditions within these bid documents. If the Bidder is unable to make the certifications contained therein the Bidder shall submit a statement with its Bid explaining why any such certification(s) cannot be made. Such a submission shall be submitted with your Bid to [bidrfpsubmittal@panynj.gov](mailto:bidrfpsubmittal@panynj.gov).

### **14. Code of Ethics for Port Authority Vendors**

Bidder's attention is directed to the Port Authority's "Code of Ethics for Port Authority Vendors" (the "Code"). The Code of Ethics can be found on the Port Authority's website at <https://www.panynj.gov/business-opportunities/become-vendor.html>.

## **15. 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.

## **16. 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 may 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.

## **17. Pre-award Meeting**

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

## **18. Price Preference**

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

## **19. MBE/WBE Subcontracting Provisions**

Bidders shall use every good-faith effort to provide for participation by Port Authority certified Minority Business Enterprises (MBEs) and Port Authority certified Woman-owned Business Enterprises (WBEs) in all purchasing and subcontracting opportunities associated with this Contract, including purchase of equipment, supplies and labor services, in accordance with the “MBE/WBE Subcontracting Provisions” contained within Part III, and the section of the Standard Terms and Conditions entitled “MBE/WBE Good Faith Participation.”

## **20. Certification of Recycled Materials**

Bidders are requested to submit, with their Bid, a written certification entitled “Certified Environmentally Preferable Products / Practices” attached hereto as “Attachment I-A”, attesting that the products or items offered by the Bidder contain the minimum percentage of post-consumer recovered material in accordance with the most recent guidelines issued by the United States Environmental Protection Agency (EPA), or, for commodities not so covered, the minimum percentage of post-consumer recovered materials established by other applicable regulatory agencies. The data submitted by the Bidder in Attachment I-A is being solicited for informational purposes only.

### **Recycling Definitions:**

For purposes of this numbered section, the following definitions shall apply:

- a. "Recovered Material" means any waste material or by-product that has been recovered or diverted from solid waste, excluding those materials and by-products generated from, and commonly reused within, an original manufacturing process.
- b. "Post-consumer Material" means any material or finished product that has served its intended use and has been discarded for disposal or recovery having completed its life as a consumer item. "Post-consumer material" is included in the broader category of "Recovered Material."
- c. "Pre-consumer Material" means any material or by-product generated after the manufacture of a product but before the product reaches the consumer, such as damaged or obsolete products. Pre-consumer Material does not include mill and manufacturing trim, scrap, or broken material that is generated at a manufacturing site and commonly reused on-site in the same or another manufacturing process.
- d. "Recycled Product" means a product that contains the highest amount of post-consumer material practicable, or when post-consumer material is impracticable for a specific type of product, contains substantial amounts of Pre-consumer Material.
- e. "Recyclable Product" means the ability of a product and its packaging to be reused, reconditioned for use, or recycled through existing recycling collection programs.
- f. "Waste Reducing Product" means any product that will result in less waste generated due to its use rather than another product designed to serve the same function with a greater waste generation rate. This shall include, but not be limited to, those products that can be reused, refilled or have a longer life expectancy and contain a lesser amount of toxic constituents.

## **21. 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.

## **22. Automated Clearing House Enrollment**

The Port Authority of New York and New Jersey has transitioned to an electronic method of paying its vendors, contractors and consultants via an Automated Clearing House ("ACH") funds transfer. It is the Port Authority's

expectation that all vendors, contractors and consultants will be paid via an ACH funds transfer. To avoid delays in payment, vendors, contractors, and consultants should enroll in ACH and complete the Port Authority's "Authorization Agreement For Direct Deposits And Direct Payments (ACH Credits)" form, which is available at <https://www.panynj.gov/business-opportunities/pdf/Vendor-ACH-auth-form.pdf>. The Authorization Agreement shall remain in full force and effect until the Port Authority has received written notification from the vendor, contractor or consultant of its termination in such time and in such manner as to afford the Port Authority and the depository financial institution(s) a reasonable opportunity to act on it. Any questions on this process may be directed to the Comptrollers Department ACH Enrollments contact line at 201 216-6002 or emailed to [ACHENROLLMENT@PANYNJ.GOV](mailto:ACHENROLLMENT@PANYNJ.GOV).

### **23. 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/business-opportunities/become-vendor.html>.

### **24. Safe Vehicle Operation**

The Bidder may be required to demonstrate that it has a satisfactory Federal Motor Carrier Safety Administration (FMCSA) safety record and vehicle maintenance program. If applicable, the Bidder shall submit this safety information as may be required by the Port Authority, including, but not limited to:

1. Information about their overall FMCSA safety program;
2. Information about their drivers training program;
3. Information about their vehicle maintenance program;
4. Results of Commercial Vehicle inspections;
5. Information about actions taken to remedy safety issues and violations.

The determination that the Bidder's safety record and safety programs are satisfactory will be made by the Port Authority at its sole discretion.



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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**

Operation and maintenance service of the building systems, equipment, facilities and structures at Harrison Car Maintenance Facility (HCMF) and Journal Square Transportation Center (JSTC).

### **2. Location(s) Services Required**

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

### **3. Expected Date of Commencement of Contract**

On or about August 3, 2020.

### **4. Contract Type**

Service.

### **5. Duration of Contract**

Three (3) years set to expire on or about August 2, 2023.

### **6. Option Period(s)**

There shall be up to three (3) one (1) year Option Periods.

### **7. 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.

### **8. Extension Period**

120-day extension applicable.

### **9. Specific Bidder's Prerequisites**

- a. The Bidder shall have had at least three (3) years of continuous experience immediately prior to the date of submission of its Bid in the management and operation of a business which provides operations and maintenance services for building systems, equipment, facilities and structures as specified in the Contract, and during that time shall have 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 three (3) years 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 stated in (a) above, the Bidder, or persons or entities owning and controlling the Bidder, shall have satisfactorily performed or shall be performing under at least one (1) contract requiring similar services of similar scope to those required under this Contract.
- c. The Bidder shall have had in its last fiscal year, or the last complete calendar year immediately preceding the submission of its Bid, a minimum of three million (\$3,000,000) dollars (\$3,000,000) annual gross income from the type of service required under this Contract.
- d. In the event a Bid is submitted by a joint venture the foregoing prerequisites will be considered with respect to such Bid as follows: The prerequisites in subparagraphs (a) and (b) above, will be considered satisfied if the joint venture itself, or the combination of any of its participants individually, can meet the requirements. The prerequisite in subparagraph (c) above will be considered satisfied if the gross income of the joint venture itself meets the prerequisite or the gross income of the participants in the joint venture cumulatively meets the prerequisite. If a joint venture which has not been established as a distinct legal entity submits a Bid, it and all participants in the joint venture shall be bound jointly and severally and each such participant in the joint venture shall execute the Bid and do each act and thing required by this Invitation for Bid. On the original Bid and wherever else the Bidder's name would appear, the name of the joint venture Bidder should appear if the joint venture is a distinct legal entity. If the Bidder is a common law joint venture, the names of all participants should be listed followed by the words "acting jointly and severally." All joint venture Bidders must provide documentation of their legal status.

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

#### **10. Bidder's Additional Submittal Requirements**

Bidders are strongly encouraged to retain current employees for this Contract and to provide for a stable workforce.

#### **11. Personnel Assurance Program and Contractor Staff Background Screening**

The Contractor awarded this Contract may be required to have its staff, and any subcontractor's staff working under this Contract, authorize the Authority or its designee to perform background checks. Such authorization shall be in a form acceptable to the Authority. The Contractor and any subcontractors may also be required to use an organization designated by the Authority to perform the background checks. The cost for said background checks for staff that pass and are granted a credential may be reimbursable to the Contractor and its subcontractors as an out-of-pocket expense. Costs for staff that are rejected for a credential for any reason are not reimbursable.

Such background checks shall be performed through the Authority's personnel assurance program provider. The Secure Worker Access Consortium ("S.W.A.C.") is the only Port Authority approved provider to be used to conduct background screening, except as otherwise

required by federal law and/or regulation. Information about S.W.A.C., instructions, corporate enrollment, online applications, and location of processing centers can be found at <http://www.secureworker.com>, or S.W.A.C. may be contacted directly at (877) 522-7922.

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Attachment A: MBE/WBE Participation Plan & Affirmation Statement

## **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 Part V (the “Specifications,”) at the location(s) listed in Part II, and as more fully set forth in the Specifications, and to 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 it 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 (such date 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), either through an extension or an option (hereinafter collectively referred to as the “Option Period(s)”), 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, no later than thirty (30) days prior to the Expiration Date (or the expiration date of the preceding Option Period), the Port Authority shall send a notice that it is extending the term of this Contract, and this Contract shall thereupon be extended for the applicable Option Period.
- c) Unless specified as not applicable to this Contract in Part II hereof, the Port Authority shall have the absolute right to extend the 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 in effect for the previous contract period shall remain in effect during this Extension Period without adjustment. If it so elects to extend the term of Contract, the Port Authority will advise the Contractor, in writing, that the term is so extended, and will 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 Superintendent/Manager by the fifth day of each month following the month of commencement of this Contract and on or by the fifth day of each month thereafter (including the month following the termination, revocation or expiration of this Contract) a complete and correct invoice for the Work performed during the preceding month accompanied by such information as may be required by the Superintendent/Manager for verification. 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, Contract Number and Purchase Order Number. Payment will be made within thirty (30) days of PATH's 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 (1) release the Contractor from any obligation under or upon this Contract, or to (2) estop PATH from showing at any time that such certificate, payment, acceptance, act or omission was incorrect or to (3) preclude PATH from recovering any monies (a) paid in excess of those lawfully due or (b) to which PATH may be entitled on account of any damage sustained by PATH and attributable to any act or omission of the Contractor.
- 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 term. However, should this Contract be terminated for any reason, 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**

All Contract prices submitted by the Contractor and agreed to by The Port Authority shall be applicable to the three (3) years of the Base Term. For the Option Period(s) that are applicable to this Contract and are exercised hereunder (excluding the 120 day Extension Period as described in the above Section 2 entitled “Duration”), the Port Authority shall adjust the compensation due to the Contractor utilizing the Consumer Price Index for CPI-All Urban Consumers (Current Series) Series Id:CUURS12ASA0L2,CUUSS12ASA0L2 Not Seasonally Adjusted Series Title: All items less shelter in New York-Newark-Jersey City, NY-NJ-PA, all urban consumers, not seasonally adjusted Area: New York-Newark-Jersey City, NY-NJ-PA Item: All items less shelter Base Period:1982-84=100, published by the Bureau of Labor Statistics of the United States Department of Labor (the “Price Index”).

For the first one (1)-year Option Period of the Contract, the Price Index shall be determined for the months of December 2021 and December 2022. 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 December 2022 and the denominator of which is the Price Index for December 2021. The resulting product shall be the amounts payable to the Contractor in the first one (1)-year Option Period.

For the second one (1)-year Option Period of the Contract, the Price Index shall be determined for the months of December 2022 and December 2023. The amounts payable to the Contractor in the first one (1)-year Option Period shall be multiplied by a fraction the numerator of which is the Price Index for December 2023 and the denominator of which is the Price Index for December 2022. The resulting product shall be the amounts payable to the Contractor in the second one (1)-year Option Period.

For the third, one (1)-year Option Period of the Contract, the Price Index shall be determined for the months of December 2023 and December 2024. The amounts payable to the Contractor in the second one (1)-year Option Period shall be multiplied by a fraction the numerator of which is the Price Index for December 2024 and the denominator of which is the Price Index for December 2023. The resulting product shall be the amounts payable to the Contractor in the third one (1)-year Option Period.

In the event the amounts payable to the Contractor as set forth on the Cost Proposal Form or Pricing Sheet(s), as applicable, shall be adjusted hereunder, then, simultaneously with such adjustment, the Average Hourly Direct Wages and the Supplemental Benefits as set forth in

the “Calculation of Average Hourly Rate Form” and accepted by the Port Authority (cumulatively the “employee payments”) shall also be adjusted by multiplying said amounts, as the same may have been previously adjusted hereunder, by the same fraction set forth in the applicable paragraph above, which was used to adjust the amounts payable to the Contractor in the corresponding year in the Base Term or Option Period, as applicable, and thereafter such adjusted employee payments shall be in effect and payable as though set forth in this Contract. The Contractor shall pay and provide the same to employees hereunder and shall comply with all the terms and provisions of the section of the Contract entitled “Wages, Health and Supplemental Benefits”. At the commencement of each Option Period, if any, the Contractor shall submit to PATH its plan to insure its compliance with the employee payments requirement in effect during such coming Option Period.

In the event that the Price Index is not available for any specified month as herein above set forth within the time set forth for payment, such Price Index for the last month then published shall be used to constitute the Price Index.

In the event that adjustment is calculated to be zero or negative, the effective adjustment shall be zero for that period with respect to the Average Hourly Direct Wages and the Supplemental Benefits required herein.

Nothing herein shall prevent a Contractor from raising wages or increasing benefits at its own discretion.

In the event of a change in the basis for the computation of the Price 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 Price Index. In the event of the failure of the parties to so agree, the Port Authority may select and use such index, as it deems appropriate.

Notwithstanding the provisions of this section, in no event shall any adjustment hereunder be greater than three percent (3%) per annum.

The amounts payable to the Contractor during the 120-day Extension Period shall not be subject to adjustment.

If, after an adjustment referred to in this Section, the Price 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 re-computation 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 by PATH, the Contractor shall refund to PATH excess amounts theretofore paid by the Port Authority 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 damages for breach by the Contractor may be liquidated, but only at an amount which is reasonable in the light of the anticipated or actual harm caused by the breach, the difficulties of proof of loss, and the inconvenience or non-feasibility of otherwise obtaining an adequate remedy, as follows:

- i. If the Contractor fails to perform any medical, drug or alcohol testing in accordance with this Contract, then the amount payable to the Contractor shall be reduced by two hundred percent (200%) of the hourly rate per day, for each employee for whom the Contractor fails to perform a required test.
- ii. If the Contractor fails to perform all or any part of the Services as required in the Contract in a satisfactory manner or at the frequencies set forth in the Contract, then the amount payable to the Contractor shall be reduced by two hundred percent (200%) of the hourly rate for each person for the applicable service of work the Contractor.
- iii. If the Contractor fails to perform all or any part of the Services as required in the Contract within the time required, then the amount payable to the Contractor shall be reduced two hundred dollars (\$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.
- iv. If the Contractor fails to supply a working cell phone, and/or radio to their personnel then the amount payable to the Contractor shall be reduced by fifty dollars (\$50) per day, or part thereof, that the Contractor fails to provide the required equipment.
- v. If the Contractor's personnel fail to respond to a cell phone and/or radio call within fifteen (15) minutes as required in the Specifications, then the compensation payable by PATH to the Contractor shall be reduced by one hundred dollars (\$100) per hour, or part thereof, until the Contractor's personnel respond.
- vi. If the Contractor fails to submit any documentation, reports or records as required under the Contract, then the amount payable to the Contractor shall be reduced by an amount equal to fifty dollars (\$50) per day, or part thereof, the Contractor fails to provide any such documentation, reports or records.
- vii. If the Contractor's personnel fail to comply with the uniform and/or personal safety equipment requirements under the Contract, then the amount payable to the Contractor shall be reduced by an amount equal to fifty dollars (\$50) dollars per worker, per hour, or part thereof, who fail to comply with the uniform or safety equipment requirements.
- viii. If the Contractor's personnel fail to maintain and protect all equipment provided by PATH (i.e. Surface Pro 4 or other equipment) from damage or

theft, then the amount payable to the Contractor shall be reduced by one hundred dollars (\$100) per item, per day, or part thereof, until the equipment is repaired, returned or replaced.

- ix. In the event an audit conducted in accordance with this Contract determines that the Contractor has not paid for or provided (or caused any subcontractor to pay or provide) Health Benefits to FTEs and their families as required by the section of the Specifications entitled “Wages, Health Benefits and Supplemental Benefits,” the Contractor shall be assessed ten (\$10) dollars, per FTE, per day, that such Health Benefits were not paid for or provided. Such Health Benefits may be considered to not be paid for or provided if any required element was not included.
- b) The Superintendent/Manager shall determine whether the Contractor has performed in a satisfactory manner and their determination shall be final, binding and conclusive upon the Contractor.
- c) Failure of the Superintendent/Manager 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 or a waiver of its remedies hereunder.

## **6. Insurance Provided by the Contractor**

The Contractor and its subcontractor(s) shall take out, maintain, and pay the premiums on Commercial General Liability Insurance, for the life of the Contract and such Insurance and shall be written on an ISO occurrence form CG 00 01 0413 or its equivalent covering the obligations assumed by the Contractor under this Contract including but not limited to premise-operations, products and completed operations and independent contractors coverage, with contractual liability language 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 any autos in the following minimum limits

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

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

The insurance shall be written on an occurrence basis, as distinguished from a “claims made” basis, and shall not include any exclusions for “action over claims” (insured vs. insured) and minimally arranged to provide and encompass at least the following coverages:

- Contractual Liability to cover liability assumed under the Contract;
- Independent Contractor’s Coverage;
- Premise-Operations, Products and Completed Operations Liability Insurance;
- The insurance coverage (including primary, excess and/or umbrella) hereinafter afforded by the Contractor and all subcontractor(s) shall be primary insurance and non-contributory with respect to the additional insureds;

- Excess/umbrella policies shall “follow form” to the underlying policy;
- Excess/umbrella policies shall have a liberalization clause with drop down provision;
- Coverage for explosion, collapse and underground property damage (XCU);
- Deletion of the pollution exclusion;
- To the extent any coverage the Contractor and subcontractor(s) obtains and/or maintains under this Contract contains “Other Insurance” language or provisions, such language or provisions shall not be applicable to the additional insureds or to any insurance coverage maintained by the additional insureds;
- All insurance policies shall include a waiver of subrogation, as allowed by law, in favor of the additional insureds;
- Defense costs must be outside of policy limits. Eroding limits policies are not permitted;
- In the event the Contractor and/or its subcontractors obtains and/or maintains insurance in an amount greater than the minimum limits required under this Contract, then the full limits of that insurance coverage will be available to respond to any claim asserted against the additional insureds that arises out of or is in any way connected with this Contract;
- Additional insureds coverage shall not be restricted to vicarious liability unless required by controlling law.

In addition, the liability policy (ies) shall be written on a form at least as broad as ISO Form CG 20 10 10 01 (for ongoing operations work) together with ISO Form CG 20 37 10 01 (for completed operations work) or their equivalent and endorsed to and name “The Port Authority of New York and New Jersey and its related entities, their Commissioners, Directors, Superintendents, officers, partners, employees, agents, the City of New York, their affiliates, successors or assigns” as Insured (as defined in the policy or in an additional insured endorsement amending the policy’s “Who is An Insured” language as the particular policy may provide). The “Insured” shall be afforded coverage and defense as broad as if they are the first named insured and regardless of whether they are otherwise identified as additional insureds under the liability policies, including but not limited to premise-operations, products-completed operations on the Commercial General Liability Policy. Such additional insureds status shall be provided regardless of privity of contract between the parties. The liability policy (ies) and certificates of insurance shall contain separation of insured and severability of interests clauses for all policies so that coverage will respond as if separate policies were in force for each insured. An act or omission of one of the insureds shall not reduce or void coverage to the other insureds. The Contractor is responsible for all deductibles or losses not covered by commercially procured insurance. Any portion of the coverage to be provided under a Self-Insured Retention (SIR) of the Contractor is subject to the review and approval of the General Manager, Risk Finance. Furthermore, any insurance or self-insurance maintained by the above additional insureds shall not contribute to any loss or claim.

If any of the Work is to be done on or at Port Authority facilities by subcontractors and, if the Contractor requires its subcontractors to procure and maintain such insurance in the name of the Contractor, then such insurance as is required herein shall include and cover the additional insureds and it must have insurance limits not lower than those set forth by the Port Authority

herein, along with all the insurance requirements in this section known as “Insurance Procured by the Contractor”.

All insurance coverage shall be provided by the Contractor and/or by or for any of its subcontractors at no additional expense to the Port Authority and its related entities. A copy of this section titled “Insurance Procured by the Contractor” shall be given to your insurance agent and subcontractors and shall form a part of the covered contract or subcontract for insurance purposes in furtherance of the insurance requirements under this Contract.

Further, it is the Contractor’s responsibility to maintain, enforce and ensure that the type of coverages and all limits maintained by it and any of all subcontractors are accurate, adequate and in compliance with the Port Authority requirements; and the Contractor is to retain a copy of its subcontractors’ certificates of insurance. All certificates of insurance shall be turned over to the Port Authority prior to the start of work, including subcontractors’ work, and upon completion of the Contract.

***The Contractor, its subcontractors, and its insurers 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 the Port Authority, the immunity of the Port Authority, its Commissioners, officers, agents or employees, the governmental nature of the Port Authority, or the provisions of any statutes respecting suits against the Port Authority.***

The Contractor and its subcontractor(s) 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, and Employer’s Liability Insurance with limits of not less than \$1 million per each accident.

Each policy above shall contain an endorsement that the policy may not be canceled, terminated, or modified without thirty (30) days’ prior written notice to the Port Authority Att: Facility Contract Administrator, at the location where the work will take place with a copy to the General Manager, Risk Finance.

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

Within five (5) days after the award of this Contract and prior to the start of work, the Contractor must submit an original certificate of insurance to the Port Authority 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), including, but not limited to, the cancellation notice endorsement and stating the contract number prior to the start of work. The Contractor is also responsible for maintaining and conforming to all insurance requirements from the additional insureds and their successors or assigns.

The General Manager, Risk Finance must approve the certificate(s) of insurance before any work can begin. Upon request by the Port Authority, the Contractor shall furnish to the General Manager, Risk Finance, 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 the Contractor and all subcontractors shall

suspend performance of the Contract at the premises until a satisfactory insurance policy (ies) and certificate of insurance is provided to and approved by Risk Finance, unless the Facility or Project Manager directs the Contractor, in writing, to continue to perform work under the Contract. If the Contract is so suspended, no extension of time shall be due on account thereof.

Renewal certificates of insurance or policies shall be delivered to the Port Authority Facility Contractor Administrator, and upon request from the additional insureds, their successors or assigns 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 and provide same to the Port Authority.

Failure by the Contractor to meet any of the insurance requirements, including the requirement that the Port Authority be afforded the full extent of the insurance obtained under this Contract without limitation, shall be deemed a material breach of contract and may be a basis for termination of this Contract by the Port Authority.

The requirements for insurance procured by the Contractor and subcontractor(s) 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 the Port Authority as to the adequacy of the insurance necessary to protect the Contractor against the obligations imposed on it by law or by this or any other contract. [CITS#6038N]

## **7. Increase and Decrease in Areas or Frequencies**

The Superintendent/Manager shall have the right, at any time and from time to time in their 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 to remove areas or parts of areas which are hereunder so described. In the event the Superintendent/Manager decides to change any frequencies or areas such change shall be by written notice given to the Contractor not less than seven (7) calendar days prior to the effective date of said changes, 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/Manager shall have the right to negotiate the compensation to reflect such change, whether an increase or decrease in areas or frequencies, which, in the opinion of the Superintendent/Manager, are necessary to complete the work, by multiplying the increased or decreased amount 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 frequency will be implemented which results in a total increase or decrease in compensation that is greater than fifty percent (50%) of the Total Estimated

Contract Price for the Base Term or, if changes are to be implemented during an Option Period, fifty percent (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**

The Contractor is required to provide separate materials, supplies, equipment and personnel for Extra Work when such is deemed necessary by the Superintendent/Manager. "Extra Work" as used herein shall be defined as work which differs from that expressly or impliedly required by the Specifications in their present form. Total Extra Work performed by the Contractor shall not exceed six percent (6%) of the Total Estimated Contract Price of this Contract for the entire term of this Contract including extensions thereof, or six percent (6%) of the Total Estimated Contract Price of each Section if this Contract is awarded by separate Sections. The Superintendent/Manager shall have authority for each individual request to order Extra Work requests. If Extra Work is performed, the Contractor's compensation shall be increased by the following amounts and such amounts only:

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

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

- the wage rates of all the Contractor's personnel employed at the site, whether or not covered by such collective bargaining agreements.

Superintendent/Manager, 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.

As used in this numbered clause (and in this clause only):

"Labor" means laborers, mechanics, and other employees below the rank of supervisor, directly employed at the Site of the Work subject to the Superintendent/Manager or their designee'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; and "cost of labor" means the wages actually paid to and received by such employees plus a proper proportion of (a) vacation allowances and union dues and assessments which the employer actually pays pursuant to contractual obligation upon the basis of such wages, and (b) taxes actually paid by the employer pursuant to law upon the basis of such wages and workers' compensation premiums paid pursuant to law. "Employees" as used above means only the employees of one employer.

"Net Cost" means the Contractor's actual cost after deducting all permitted cash and trade discounts, rebates, allowances, credits, sales taxes, commissions, and refunds (whether or not any or all of the same shall have been taken by the Contractor) of all parts and materials purchased by the Contractor solely for the use in performing its obligation hereunder provided, where such purchase has received the prior written approval of the Superintendent/Manager as required herein. The Contractor shall promptly furnish to the Superintendent/Manager such bills of sale and other instruments as the Superintendent/Manager may require, executed,

acknowledged and delivered, assuring to the Superintendent/Manager title to such materials, supplies, equipment, parts, and tools free of encumbrances.

“Materials” means temporarily-installed and consumable materials as well as permanently-installed materials; and “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 Site of the Work in the event that the price paid to the manufacturer, producer or dealer does not include delivery and in case of temporarily-installed 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 of 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 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.

The Superintendent/Manager shall have the authority to decide all questions in connection with Extra Work. 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.

The Contractor shall submit all reports, records and receipts as are requested by the Superintendent/Manager so as to enable him/her to ascertain the time expended in the performance of the Extra Work, the quantity of labor and materials used therein and the cost of said labor and materials to the Contractor.

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.

If the Contractor deems work to be Extra Work, the Contractor shall give written notice to the Superintendent/Manager within twenty-four (24) hours of performing the work that he so considers as Extra Work, and failure of the Contractor to provide said notice shall constitute a waiver of any claim to an increase in compensation for such work and a conclusive and binding determination that it is not Extra Work.

The Contractor shall supply the amount of materials, supplies, equipment and personnel required by the Superintendent/Manager within twenty-four (24) hours following the receipt of written or verbal notice from the Superintendent/Manager, or in the case of an emergency as determined by the Superintendent/Manager, within four (4) hours following the receipt by the Contractor of the Superintendent/Manager's written or oral notification. Where oral notification is provided hereunder, the Superintendent/Manager will thereafter confirm the same in writing.

All Extra Work shall be billed to PATH on a separate invoice on a monthly basis. Each Extra Work Invoice shall contain a breakdown of the total loaded rate for each employee which performed the assigned work, as shown in Part IV.

## **9. MBE/WBE Subcontracting Provisions**

The Port Authority has a long-standing practice of making its business opportunities available to Minority Business Enterprises (MBEs) and Women-owned Business Enterprises (WBEs) and has taken affirmative steps to encourage such firms to seek business opportunities with the Port Authority. The Contractor shall use every good-faith effort to provide for participation by Port Authority Certified Minority Business Enterprises (MBEs) and Port Authority Certified Women-owned Business Enterprises (WBEs) in all purchasing and subcontracting opportunities associated with this Contract, including purchase of equipment, supplies and labor services.

The Contractor shall use good faith efforts to achieve participation equivalent to twenty percent (20%) of the total Contract price for Port Authority certified MBEs and ten percent (10%) of the total Contract price for Port Authority certified WBEs.

Good faith efforts to include and facilitate participation by MBE/WBEs shall include, but not be limited to the following:

- a. Dividing the services and materials to be procured into smaller portions, where feasible.
- b. Giving reasonable advance notice of specific contracting, subcontracting and purchasing opportunities to such MBE/WBEs as may be appropriate.
- c. Soliciting services and materials from a Port Authority certified MBE/WBE. To access the Port Authority's Directory of MBE/WBE Port Authority certified firms go to <http://www.panynj.gov/business-opportunities/sd-mwsdbe-profile.html>.
- d. Ensuring that provision is made to provide progress payments to MBE/WBEs as defined in the prompt payment provision below.
- e. Observance of reasonable commercial standards of fair dealing in the respective trade or business.

Bidders are directed to use form PA3760A as the recording mechanism for the MBE/WBE Participation Plan, which may be downloaded at <http://www.panynj.gov/business-opportunities/become-vendor.html>.

Bidders shall include with their bids, a MBE/WBE Participation Plan for each MBE/WBE subcontractor, to be reviewed and approved by the Authority's Office of Business Diversity and Civil Rights (OBDCR).

Each MBE/WBE Participation Plan submitted by the Contractor to the Port Authority shall contain, at a minimum, the following:

- Identification of the MBE/WBE: Provide the name and address of MBE/WBE included in the Plan. If none are identified, describe the process for selecting participant firms in order to achieve the good faith goals under this Contract.
- Level of Participation: Indicate the dollar value and percentage of MBE/WBE participation expected to be achieved.
- Scope of Work: Describe the specific scope of work the MBE/WBEs will perform.

The MBE/WBE subcontractors listed on the MBE/WBE Participation Plans must be certified by the Port Authority in order for the Contractor to receive credit toward the MBE/WBE goals set forth in this Contract. Please go to <http://www.panynj.gov/business-opportunities/sd-mwsdbe-profile.html> to search for MBE/WBEs by a particular commodity or service. The Port Authority makes no representation as to the financial responsibility of these firms or their ability to perform work under this Contract.

Subsequent to Contract award, all changes to any of the MBE/WBE Participation Plans must be submitted via a Modified MBE/WBE Participation Plan to the Manager for review and approval by the Authority's Office of Business Diversity and Civil Rights. For submittal of modifications to the MBE/WBE Participation Plans, Contractors are directed to use form PA3760B, which may be downloaded at <http://www.panynj.gov/business-opportunities/become-vendor.html>. The Contractor shall not make changes to its approved MBE/WBE Participation Plan or substitute MBE/WBE subcontractors or suppliers for those named in their approved plan without the Manager's prior written approval. Unauthorized changes or substitutions, including performing the work designated for a subcontractor with the Contractor's own forces, shall be a violation of this section. Progress toward attainment of MBE/WBE participation goals set forth herein will be monitored throughout the duration of this Contract.

The Contractor shall also submit to the Manager, along with invoices, a Statement of Subcontractor Payments (PA3968) which may be downloaded at <http://www.panynj.gov/business-opportunities/become-vendor.html>. The Statement must include the name and business address of each MBE/WBE subcontractor and supplier actually involved in the Contract, a description of the work performed and/or product or service supplied by each such subcontractor or supplier, the date and amount of each expenditure, and such other information that may assist the Manager in determining the Contractor's compliance with the foregoing provisions.

#### **Prompt Payment/Retainage**

The Contractor agrees to pay each subcontractor under this Contract, for satisfactory performance of its subcontract, no later than ten (10) days from the receipt of each payment the Contractor receives from the Authority. The Contractor agrees further to return retainage payments, if any, to each subcontractor within ten days after the subcontractors' work is

satisfactorily completed. Any delay or postponement of payment from the above referenced timeframe may occur only for good cause following written approval of the Authority.

### **MBE/WBE Conditions of Participation**

MBE/WBE participation will be counted toward meeting the MBE/WBE contract goal, subject to all of the following conditions:

A. **Commercially Useful Function.** An MBE/WBE is considered to perform a commercially useful function when it is responsible for the execution of a distinct element of work on a contract and carries out its responsibilities by actually performing, managing, and supervising the work involved in accordance with normal industry practice. Regardless of whether an arrangement between the Contractor and the MBE/WBE represent standard industry practice, if the arrangement erodes the ownership, control or independence of the MBE/WBE or in any other way does not meet the commercially useful function requirement, that firm shall not be included in determining whether the MBE/WBE goal is met and shall not be included in MBE/WBE reports. If this occurs with respect to a firm identified as an MBE/WBE, the Contractor shall receive no credit toward the MBE/WBE goal and may be required to backfill the participation. An MBE/WBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction or contract through which funds are passed in order to obtain the appearance of MBE/WBE participation. An MBE/WBE may rebut a determination by the Authority that the MBE/WBE is not performing a commercially useful function to the Authority.

B. **Work Force.** The MBE/WBE must employ a work force (including administrative and clerical staff) separate and apart from that employed by the Contractor, other Subcontractors on the contract, or their Affiliates. This does not preclude the employment by the MBE/WBE of an individual that has been previously employed by another firm involved in the Contract, provided that the individual was independently recruited by the MBE/WBE in accordance with customary industry practice. The routine transfer of work crews from another employer to the MBE/WBE shall not be allowed.

C. **Supervision.** All Work performed by the MBE/WBE must be controlled and supervised by the MBE/WBE without duplication of supervisory personnel from the Contractor, other Subcontractors on the contract, or their Affiliates. This does not preclude routine communication between the supervisory personnel of the MBE/WBE and other supervisors necessary to coordinate the Work.

D. **Equipment:** MBE/WBE subcontractors may supplement their equipment by renting or leasing additional equipment in accordance with customary industry practice. If the MBE/WBE obtains equipment from the Contractor, their affiliates and other subcontractors performing Work on the Contract, the MBE/WBE shall provide documentation to the Authority demonstrating that similar equipment and terms could not be obtained at a lower cost from other customary sources of equipment. The required documentation shall include copies of the rental or leasing agreements, and the names, addresses and terms quoted by other sources of equipment.

### **Counting MBE/WBE Participation**

The value of the Work performed by an MBE/WBE, with its own equipment, with its own forces, and under its own supervision will be counted toward the goal, provided the utilization is a commercially useful function. An MBE/WBE prime contractor shall still provide opportunities for participation by other MBE/WBEs. Work performed by MBE/WBEs will be counted as set forth below. If the Authority determines that some or all of the MBE/WBEs

work does not constitute a commercially useful function, only the portion of the work considered to be a commercially useful function will be credited toward the goal.

A. Subcontractors. One hundred percent (100%) of the value of the Work to be performed by an MBE/WBE subcontractor will be counted toward the MBE/WBE goal. The value of such Work includes the cost of materials and supplies purchased by the MBE/WBE, except the cost of supplies or equipment leased from the Contractor, other Subcontractors or their affiliates will not be counted. When an MBE/WBE subcontracts part of the work of its contract to another firm, the value of the subcontracted work may be counted toward MBE/WBE goals only if the MBE/WBE subcontractor is itself an MBE/WBE. Work that an MBE/WBE subcontracts to a non-MBE/WBE firm does not count toward MBE/WBE goals.

B. Manufacturers/Fabricators. One hundred percent (100%) of the expenditure to an MBE/WBE manufacturer or fabricator will be counted towards the MBE/WBE goal.

C. Material Suppliers. Sixty percent (60%) of the expenditure to an MBE/WBE material supplier will be counted toward the MBE/WBE goal. Packagers, brokers, manufacturer's representatives, or other persons who arrange or expedite transactions are not material suppliers within the meaning of this paragraph.

D. Brokers/Manufacturer's Representatives. One hundred percent (100%) of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees for transportation charges for the delivery of materials or supplies provided by an MBE/WBE broker/manufacturer's representative will be counted toward the MBE/WBE goal, provided they are determined by the Authority to be reasonable and not excessive as compared with fees customarily allowed for similar services. The cost of the materials and supplies themselves will not be counted.

E. Services. One hundred percent (100%) of fees or commissions charged by an MBE/WBE for providing a bona fide service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of the Work will be counted toward the MBE/WBE goal, provided the fee is reasonable and not excessive as compared with fees customarily allowed for similar services.

F. Trucking Operations. If using an MBE/WBE firm for trucking operations, the MBE/WBE trucking firm of record is the firm that is listed on the MBE/WBE Participation Plan. The MBE/WBE trucking firm shall own and operate at least one registered, insured, and fully operational truck used for the performance of the Work and shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there cannot be a contrived arrangement for the purpose of meeting the MBE/WBE goal. The MBE/WBE trucking firm of record shall control the day-to-day MBE/WBE trucking operations for performance of the Work and shall be responsible for (1) negotiating and executing rental/leasing agreements; (2) hiring and terminating the work force; (3) coordinating the daily trucking needs with the Contractor; and (4) scheduling and dispatching trucks.

1. MBE/WBE Owned/Leased Trucks. One hundred percent (100%) of the value of the trucking operations the MBE/WBE provides for the performance of the Work using trucks it owns or leases on a long-term basis that are registered, insured, and operated by the MBE/WBE using drivers it employs, will be counted toward the MBE/WBE goal.

2. MBE/WBE Short-Term Leased Trucks. The MBE/WBE may lease trucks on a short-term basis from another MBE/WBE, including an owner/operator who is Port Authority certified as an MBE/WBE. One hundred percent (100%) of the value of the

trucking operations that the lessee MBE/WBE provides will be counted toward the MBE/WBE goal.

3. Non-MBE/WBE Trucks. The MBE/WBE may lease trucks on a short-term basis from a non-MBE/WBE, including an owner-operator. One hundred percent (100%) of the fee or commission the MBE/WBE receives as a result of the lease arrangement will be counted toward the MBE/WBE goal. The value of the trucking operations provided by the lessee will not be counted toward the MBE/WBE goal.

G. Joint Venture. Joint ventures between MBE/WBEs and non-MBE/WBEs may be counted toward the MBE/WBE goal in proportion to the total dollar value of the contract equal to the distinct, clearly defined portion of the work of the contract that the MBE/WBE performs with its own forces. Please contact the Office of Business Diversity and Civil Rights at (201) 395-3958 for more information about requirements for such joint ventures.

**MBE/WBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT** **PA 3760A /3-16**

Instructions: Submit one MBE/WBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT form for each MBE/WBE firm used on this Contract. To avoid undue repetition, the following terms, as used in this Agreement, shall be construed as follows: Bidder/Proposer/Respondent - can used interchangeably and mean any Contractor, Consultant, Supplier, or Vendor who submits a response to this solicitation.

**BID NUMBER AND TITLE:** \_\_\_\_\_

**BIDDER:**  
Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

Email Address: \_\_\_\_\_

**MBE/WBE:**  
Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

Description of work to be performed by MBE/WBE: \_\_\_\_\_

Calculation (supply only): \_\_\_\_\_

The Bidder is committed to utilizing the above-named MBE/WBE for the work described above. The estimated dollar value of this work is \$ \_\_\_\_\_ )  
or  
\_\_\_\_ % of the total contract amount of \$ \_\_\_\_\_. The anticipated start date is \_\_\_\_\_ and the anticipated completion date is \_\_\_\_\_.

**AFFIRMATION of MBE/WBE**

The above-named MBE/WBE affirms that it will perform the portion of the Contract for the estimated dollar value as stated above.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of Principal or Officer of MBE/WBE – Print Name and Title

I \_\_\_\_\_ (print name), an officer of \_\_\_\_\_ (company name), certify that I have read the PA 3760A MBE/WBE Participation Plan and Affirmation Statement and the information contained in it is true. I fully understand that any false statement within this submittal may prevent the company and/or the undersigned from being found to be responsible Bidders/Proposers in connection with future agreements. In addition, any false statement within this submittal may subject the company and/or the undersigned to criminal charges in the state and federal courts of New York and New Jersey.

Signature of Bidder \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Please Note: Only 60% of the expenditure to a MBE/WBE material supplier will be counted toward the MBE/WBE goal. Please show calculation above. Example: \$100,000 x 60% = \$60,000 estimated MBE/WBE dollar value of work. Plan cannot be accepted without calculation.

**Officer of Bidder must have ACKNOWLEDGEMENT BY NOTARY PUBLIC completed on the reverse side.**

**ACKNOWLEDGEMENT BY NOTARY PUBLIC**

**PA 3760A**

**MBE/WBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT (reverse)**

STATE OF \_\_\_\_\_)

S.S.:

COUNTY OF \_\_\_\_\_)

On the \_\_\_ day of \_\_\_\_\_ in the year 20 , before me, the above undersigned, personally appeared \_\_\_\_\_, the \_\_\_\_\_, of \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity.

Name of Notary (print)

(Affix Notary Stamp Here)

My Commission Expires \_\_\_\_\_

(Notary Signature)

\_\_\_\_\_  
(Date)

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

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**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 one hundred twenty (120) 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's Legal Business Name \_\_\_\_\_

Bidder's Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Telephone No. \_\_\_\_\_ FAX \_\_\_\_\_

Email \_\_\_\_\_ EIN# \_\_\_\_\_

SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

Print Name and Title \_\_\_\_\_

**ACKNOWLEDGEMENT:**

STATE OF: \_\_\_\_\_

COUNTY OF: \_\_\_\_\_

On this \_\_\_ day of \_\_\_\_\_, 20\_\_\_, personally came before me, \_\_\_\_\_, who duly sworn by me, did depose that (s)he has knowledge of the matters herein stated, that 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.

\_\_\_\_\_  
Notary Public

NOTE: If a joint venture is bidding, 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.

If certified by the Port Authority as an SBE or MWBE: \_\_\_\_\_ (indicate which one and date of the certification).

**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)
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### 3. PRICING SHEET(S)

#### Entry of Prices

- a. The prices quoted shall be written in figures, in ink, preferably in black ink where required in the spaces provided on the Pricing Sheet(s) attached hereto and made a part hereof. Prices must be quoted in United States Dollars. All figures inserted will be interpreted as being quoted in United States Dollars.
- 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). Bidders are advised that the Items on the Pricing Sheet(s) correspond to the required services set forth in the Specifications.
- d. Bidders must insert all figures as required and verify all computations for accuracy. The Port Authority in its sole judgment reserves the right to: (1) reject Bids without checking them for mathematical errors or omissions, (2) reject Bids that contain or appear to contain errors or omissions, and (3) supply corrections to Bids that contain or appear to contain mathematical errors and omissions, and in this case the Port Authority reserves the right to recompute the Total Estimated Contract Price based upon the Unit Prices inserted by the Bidder, which amount shall govern in all cases.
- e. If 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 Total Estimated Three (3) Year Contract Price shall be obtained by adding the Total Estimated Contract Price for D, H, I, J, K, N, and O the Estimated Allowance for SWAC.

**CONTRACTOR'S PRICING SHEET**

**MONTHLY OPERATION AND MAINTENANCE AT THE JSTC**

**A. YEAR ONE - JSTC**

<b>MONTHLY OPERATIONS &amp; MAINTENANCE ROUTINE &amp; NON-ROUTINE WORK</b>	<b>MONTHS</b>		<b>MONTHLY PRICE</b>		<b>ESTIMATED YEAR ONE PRICE</b>
Monthly Lump Sum Price	12	X	\$	=	\$

**B. YEAR TWO - JSTC**

<b>MONTHLY OPERATIONS &amp; MAINTENANCE ROUTINE &amp; NON-ROUTINE WORK</b>	<b>MONTHS</b>		<b>MONTHLY PRICE</b>		<b>ESTIMATED YEAR TWO PRICE</b>
Monthly Lump Sum Price	12	X	\$	=	\$

**C. YEAR THREE - JSTC**

<b>MONTHLY OPERATIONS &amp; MAINTENANCE ROUTINE &amp; NON-ROUTINE WORK</b>	<b>MONTHS</b>		<b>MONTHLY PRICE</b>		<b>ESTIMATED YEAR THREE PRICE</b>
Monthly Lump Sum Price	12	X	\$	=	\$

**D. TOTAL ESTMATED THREE YEAR CONTRACT PRICE FOR OPERATIONS & MAINTENANCE – JSTC :**

\$ \_\_\_\_\_  
(Sum of A-C)

**CONTRACTOR'S PRICING SHEET**

**MONTHLY OPERATION AND MAINTENANCE AT THE HCMF**

**E. YEAR ONE - HCMF**

<b>MONTHLY OPERATIONS &amp; MAINTENANCE ROUTINE &amp; NON-ROUTINE WORK</b>	<b>MONTHS</b>		<b>MONTHLY PRICE</b>		<b>ESTIMATED YEAR ONE PRICE</b>
Monthly Lump Sum Price	12	X	\$	=	\$

**F. YEAR TWO - HCMF**

<b>MONTHLY OPERATIONS &amp; MAINTENANCE ROUTINE &amp; NON-ROUTINE WORK</b>	<b>MONTHS</b>		<b>MONTHLY PRICE</b>		<b>ESTIMATED YEAR TWO PRICE</b>
Monthly Lump Sum Price	12	X	\$	X	\$

**G. YEAR THREE - HCMF**

<b>MONTHLY OPERATIONS &amp; MAINTENANCE ROUTINE &amp; NON-ROUTINE WORK</b>	<b>MONTHS</b>		<b>MONTHLY PRICE</b>		<b>ESTIMATED YEAR THREE PRICE</b>
Monthly Lump Sum Price	12	X	\$	=	\$

**H. TOTAL ESTIMATED THREE YEAR CONTRACT PRICE FOR OPERATIONS & MAINTENANCE-HCMF :**

\$ \_\_\_\_\_  
(Sum of E-G)

NOTE: All "Lump Sum" Prices include but are not be limited to wages and benefits, Contractor's overhead, tolls, gas, travel time, vehicles, equipment, out-of-pocket expenses, and profit. The breakdown of such costs may be required of the Contractor, upon request.



Three

**CONTRACTOR'S PRICING SHEET  
COMPENSATION FOR NET COST WORK**

<b>Three Year Estimate Net Cost</b>	<b>Contractors Percentage Mark-Up/Mark-Down</b>	<b>Three Year Estimate Cost of Material</b>
---	---	---

The Bidder shall insert a percentage to be added/subtracted (Bidder shall circle the + or -) to the cost of materials, parts, and component. This percentage is not subject to any adjustments.

\$900,000 x +/- \_\_\_% = \$\_\_\_\_\_ + \$900,000 = \$\_\_\_\_\_

“Net Cost Work” means the Contractor’s actual cost after deducting all permitted cash and trade discounts, rebates, allowances, credits, sales tax, commissions and refunds (whether or not any or all of the same shall have been taken by the Contractor) of all materials, supplies, tools and labor purchased or leased by the Contractor solely for use in performing Contractor’s obligations hereunder, provided such purchase or lease has received the prior written approval of the Superintendent. The documentation that the Contractor receives from its supplier that accompanies the material will substantiate these charges.

The estimate includes the initial purchases which are required by the Contractor, along with an allocation for replenishment of hardware, accessories and software enhancements.

**J. TOTAL ESTMATED THREE YEAR CONTRACT PRICE FOR NET COST WORK:**

\$\_\_\_\_\_

**CONTRACTOR'S PRICING SHEET**  
**COMPENSATION FOR SUBCONTRACTORS**

<b>Three Year Est Subcontractor Cost</b>	<b>Contractors Percentage Mark-Up/Mark-Down</b>	<b>Three Year Estimate for Subcontractor</b>
--	---	--

The Bidder shall insert a percentage to be added/subtracted (Bidder shall circle the + or -), not to exceed 5% for certain work that cannot be performed by the Contractor, then in such event such work shall be performed by a subcontractor. This percentage is not subject to any adjustments.

\$900,000 x +/- \_\_\_% = \$\_\_\_\_\_ + \$900,000 = \$\_\_\_\_\_

**K. TOTAL ESTIMATED THREE YEAR CONTRACT PRICE FOR SUBCONTRACTORS:**

\$\_\_\_\_\_

\*Contractor's mark up percentage shall be capped at five percent (5%)\*.

**CONTRACTOR'S PRICING SHEET**

**COMPENSATION FOR LABOR FOR NON-ROUTINE EMERGENCY WORK**

<b>Compensation for Labor for Non-Routine Emergency Work</b>	<b>LABOR RATE</b>	<b>ALL INCLUSIVE HOURLY RATE*</b>		<b>THREE YEAR ESTIMATED LABOR HOURS</b>		<b>ESTIMATED THREE YEAR PRICE</b>
<b>L</b>	Overtime Hours	\$_____	<b>X</b>	7,500	=	\$_____
<b>M</b>	Premium Overtime Hours	\$_____	<b>X</b>	1,800	=	\$_____

**N. ESTIMATED THREE (3) YEAR CONTRACT PRICE FOR NON-ROUTINE EMERGENCY WORK:**

\$\_\_\_\_\_ (Sum of L-M, above)

\*The "All-Inclusive Hourly Rate" includes but is not limited to labor, benefits, travel time, vehicle, gas, tolls

**CONTRACTOR'S PRICING SHEET**  
**PRICING SUMMARY**

1. **OPERATION AND MAINTENANCE AT JSTC:** \$ \_\_\_\_\_  
(Sum of Line D)
2. **OPERATION AND MAINTENANCE AT HCMF:** \$ \_\_\_\_\_  
(Sum of Line H)
3. **COMPENSATION FOR PROJECT WORK:** \$ \_\_\_\_\_  
(Sum of Line I)
4. **COMPENSATION FOR NET COST WORK:** \$ \_\_\_\_\_  
(Sum of Line J)
5. **COMPENSATION FOR SUBCONTRACTORS** \$ \_\_\_\_\_  
(Sum of Line K)
6. **NON-ROUTINE EMERGENCY WORK:** \$ \_\_\_\_\_  
(Sum of Line N)
7. **SWAC ALLOWANCE:** \$ 50,000 \_\_\_\_\_
8. **TOTAL ESTIMATED THREE (3) YEAR CONTRACT PRICE:** \$ \_\_\_\_\_  
(Sum of Items 1 – 7, above)

**Note to Bidders:**

An estimated total price entered by the Port Authority for SWAC has been included in the Pricing Summary as "SWAC ALLOWANCE." As such, Bidders are instructed to include this line item total when establishing their Total Estimated Three (3) Year Contract Price.

All quantities shown, including the estimated price for SWAC, are estimated. Only actual prices and quantities of materials consumed under the subject Contract will be considered upon submittal by the Contractor of a true and correct invoice. Only the staff members that pass and are granted a credential may be reimbursable to the Contractor (and its subcontractors), if approved in advance by the Manager in writing.

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Appendix A – Scope of Work for HCMF  
Appendix B – Scope of Work for JSTC  
Appendix C – Routines for HCMF  
Appendix D – Routines for JSTC

## PART V – SPECIFICATIONS

### 1. Specific Definitions

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

“Harrison Car Maintenance Facility,” or “HCMF” mean the construction and structures all of which are part of the HCMF complex located at the terminus of Cape May Street, Harrison, New Jersey, 07029.

“Journal Square Transportation Center” or “JSTC” mean the construction and structures all of which are part of the JSTC complex located at 1 PATH Plaza, Jersey City, New Jersey, 07306.

“Facility,” “Facilities” and “site” mean the HCMF and/or the JSTC.

“Regular Working Hours” means Monday through Friday, from 6:30 AM to 4:30 PM.

“Overtime hours” means hours other than the “Regular Working Hours” and include all hours worked on Saturday, Sunday and Holidays.

“Work Order” means a numerically auto-generated component 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, the general and specific conditions encountered, the actions taken, and recommendations for subsequent activities.

“Work Order Tracking System,” “WOTS,” or “PATH Asset Management System”, “PAMS” mean the items in the Scopes of Work (“Work”) at frequencies and times determined by the Superintendent. “WOTS” and “PAMS” are the Structures & Facilities Division’s LAN Network based program for maintaining assets.

“Routine Work” means work scheduled by the Superintendent as described in the Specifications and Scopes of Work.

“Non-Routine Work” means work required by the Superintendent that consists of unscheduled or emergency maintenance or repairs.

“Small Tool” means any tool or piece of equipment whose unit price is less than one hundred fifty dollars (\$150.00).

“PATH Safety Supervisor” means the Manager of the PATH System Safety & Environmental Management Division, acting personally or through his/her duly authorized representative for the purpose of this Contract.

“Superintendent/Manager means the Superintendent of Way and Structures Division, or his/her duly authorized representative/designee.

### 2. Facility Introduction

#### Journal Square Transportation Center

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

The Facility is subdivided into several key areas. The major elements of JSTC are as follows:

- A. A PATH rail rapid transit station with a platform capacity for ten-car trains. There are two main train platforms serving eastbound and westbound PATH passengers.
- B. A bus terminal for buses accommodating twenty routes. The bus terminal currently consists of four (4) main platforms serving mostly local area bus routes.
- C. A two (2) level revenue-producing automobile parking area that can accommodate approximately 600 cars. The parking lot is currently operated by a private vendor; however, maintenance services for structural repairs and the fire protection system shall be performed by the Contractor. All other repairs will be performed by the private vendor.
- D. A private parking area at the facility, known as the VIP, for PATH and other designated personnel, currently offering parking for approximately twenty (20) cars. The parking lot is operated by PATH.
- E. A two (2) level consumer service area. The consumer service areas are located on the Facility's concourse and plaza levels.
- F. A ten (10) story office building for PATH and Port Authority staff. Each floor is approximately 10,600 square feet.
- G. JSTC also includes the centralized John F. Hoban Control Center and the PATH Police Desk for the entire PATH rail system, located on the concourse level, and the Special Improvement District Offices located on the Plaza Level.
- H. Additional ancillary facilities include an Emergency Police Garage, the Kiss n' Ride Ramp, and sidewalk areas.

#### Harrison Car Maintenance Facility

The Harrison Car Maintenance Facility ("HCMF"), situated on approximately 57 acres, is located at the terminus of Cape May Road, Harrison, New Jersey

The exterior of the major structures at the site, including the Main Repair Shop, Tomlinson Control Tower, the Facility Substation and the Passarelle, are constructed of preformed insulated metal siding and panels supported by light gauge structural steel studs and structural steel framing. The Pasarelle and the administrative office areas of the Main Repair Shop are constructed with operable steel windows. The interior Facility finishes predominantly include painted cement block construction, structural ceramic glazed facing tile and gypsum board interior partitions. Ceiling finishes for the Facility's office areas are acoustic tiles with metal support grid. The principal door type used throughout the Facility is hollow metal with 1½ inch hinges and various combinations of panic and customary passage hardware. Wire mesh partitions and rolling doors are installed in the northeast repair shops of the Main Repair Shop. Toilet furnishings are typical of the Bobrick Washroom Equipment Company line of products, including, but not limited to; stainless steel toilet partitions, recessed paper towel dispensers and waste receptacles, soap dispensers, metal edged mirrors with stainless shelves and grab bars.

The principal structure at the Facility is its 207,000 square foot Main Repair Shop, which is 600 feet long, 289 feet wide and 73 feet at its highest elevation. Other structures within the boundaries of the site include a multi-floor Control Tower, also known as “Tomlinson Tower”, from which train movements along eleven 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 Electric and Gas Company. The rail car storage yards are also supplied with traction power from the Substation.

A guardhouse is located at the entrance to the Facility to permit controlled access. On-site parking accommodations are provided for PATH’s employees, visitors, Contractor’s and subcontractors’ personnel and for other activities. From Tomlinson Control Tower, an enclosed Passarelle links the on-site parking with the Main Repair Shop. The Facility grounds are landscaped and include outdoor recreational amenities. Fencing is provided along the Facility’s perimeter and around certain outdoor storage areas. 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 storage building serving PATH’s eastbound track from Newark to New York, as well as a “Card Setting Pit” and associated storage building located along the north perimeter of the site. The “Card Setting Pit” and storage building are used by PATH Car Equipment Division personnel for rail car testing. Also located on the site are two small “Signal Bungalow” buildings which house the electrical and electronic equipment controlling the Facility’s rail car yard signaling and switches.

Approximately two hundred (200) PATH employees perform rail car maintenance activities at the Facility. These activities include the repair and modification of all systems, components and features of PATH’s rail car fleet.

Within the Facility’s Main Repair Shop, the rail car maintenance activities are further subdivided into several key areas. The major functional repair areas in the Main Repair Shop are as follows:

- A. The Blowdown/Lubrication area is located at the northwest corner. This area has been principally designed for undercar cleaning and includes necessary equipment for performing this work.
- B. An Inspection and Running Repair section where recurring periodic inspections and in-service repairs are performed. This area is immediately south of the Blowdown area and extends from the east to the west limits of the building.
- C. The Heavy Repair area for the performance of major repairs to railcars is located toward the southeast section of the building. Generally, the activities performed in this area focus on rail car “trucks” and include rail car traction motor repair and maintenance of rail car wheels and axles.
- D. Several areas dedicated to repair shops for maintenance and overhaul of air conditioning, pipefitting and battery systems, sheet metal and carpentry functions, electrical and electronic car equipment and air brake systems. The repair shops are located toward the southwestern portion of the shop and are supported by a central Storeroom.
- E. A central administrative area for Car Equipment Division management and other PATH personnel is located on the Upper Mezzanine level of the shop and includes locker and storage accommodations. Additional administrative areas are located on the Lower

Mezzanine Level of the shop. Also located on the Upper Mezzanine is the shop's AC/DC Distribution Room, access to the shop's mechanical Equipment Platform and the lunchroom.

- F. The Wheel Truing Building is located at the northeast corner of the Facility immediately east of the Blowdown. This area is designated to cut wheels on the truck of the train car.
- G. The Butler Building is a freestanding storage building located at the southwest corner of the facility used by Car Equipment Division.

### **3. Work Required by the Specifications**

These Specifications relate generally to the performance of the Contractor of the Work required under this Contract, namely, operating and maintaining the building systems, equipment, facilities and structures including, but not limited to, performing office space renovations, and construction activities at JSTC and HCMF as directed by the Superintendent, in accordance with the Specifications and furnishing all personnel and materials necessary, 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.

The full Scope of Work is set forth in detail in Appendices A and B "Scopes of Work". The Work, which may be required hereunder, as well as procedures, which are applicable thereto, are outlined in, but not limited to, these Specifications. The Contractor shall be responsible for the operation and maintenance of the Journal Square Transportation Center and the Harrison Car Maintenance Facility. 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.

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

### **4. Personnel Assurance Program**

As directed by the Manager, the Contractor is required to have engineers, electricians, mechanics, and workmen of its staff, and any subcontractor's staff, materialmen, visitors or others over whom the Contractor/subcontractor has control, who have access to certain areas, systems or information, authorize the Authority and/or PATH or its designee to perform background checks and a personal identity verification check. Such background checks shall be performed through the Authority's personnel assurance program provider. The Secure Worker Access Consortium (S.W.A.C.) is the only Port Authority approved provider to be used to conduct background screening and personal identity verification, except as otherwise required by federal law and/or regulation (such as the Transportation Worker Identification Credential for personnel performing in secure areas at Maritime facilities). Information about S.W.A.C., instructions, corporate enrollment, online applications, and location of processing centers can be found at <http://www.secureworker.com>, or S.W.A.C. may be contacted directly at (877) 522-7922 for more information and the latest pricing. The cost for said background checks for staff that pass and are granted a credential may be reimbursable to the Contractor

and its subcontractors, if approved in advance by the Manager in writing. Staff members that are rejected for a credential for any reason are never reimbursable.

## **5. Wages, Health and Supplemental Benefits**

### **(a) Definitions:**

- 1) “Employee” means any person, employed by the Contractor or its subcontractors to perform any of the Services required under this Contract.
  - 2) “Full Time Employee” (“FTE”) means any Employee who is paid on a straight time hourly basis, working on such a compensation basis for a minimum of thirty (30) hours during a seven (7) day consecutive period continually (including vacation, sick leave, etc.) throughout each Contract Year. Time for which an Employee is paid on an overtime or premium time basis shall not be counted in determining the thirty (30) hours requirement. The Port Authority will not reimburse the Contractor for any overtime without the Port Authority’s prior written consent.
  - 3) “Straight-time” means the non-overtime 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.
  - 4) “Direct Wages” means monetary amounts paid by Contractor or its subcontractor(s) to its Employees for straight-time (non-overtime) hours worked, including shift differentials, if any. Employee incentive plan payments are not included as Direct Wages.
  - 5) “Minimum Hourly Wages” means the levels of fair wages determined by the Port Authority for Employee in each Employee category based on certain benchmarks or other prevailing standards. Employees may not receive Direct Wages lower than the Minimum Hourly Wages stated hereunder.
  - 6) “Health Benefits” means benefits paid for by the Contractor, or covered under Contractor-provided health insurance plans, to cover the costs of healthcare for FTEs and their families.
  - 7) “Supplemental Benefits” means benefits, other than Health Benefits, provided to Employees, including, but not limited to: fair and reasonable vacation allowance, sick leave, holiday, jury duty, birthday, welfare, retirement and non-occupational disability benefits, life, accident, or other such types of insurance that are not required by law, but excluding Health Benefits.
  - 8) “Contract Year”, as used in this Agreement, means 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) The Contractor is required to pay Employees no less than the Minimum Hourly Wages as set forth in this provision, unless the Contractor proposes a higher Minimum Hourly Wage and the higher Minimum Hourly Wage is accepted by the Port Authority.
- (c) The Contractor is required to provide reasonable Supplemental Benefits to its Employees.

(d) The Contractor is required to provide Health Benefits to FTEs and their families that meet the specific requirements set forth in this provision, and to educate and inform each FTE under this Contract as to any and all Health Benefits the FTE is entitled to under this provision.

(e) Minimum Hourly Wages

The following Minimum Hourly Wage schedule represents the hourly minimum wage(s) for each year of the base period.

**Minimum Hourly Wage:**

Maintenance Administrator JSTC – Year One – \$48.44

Maintenance Administrator JSTC– Year Two - \$48.92

Maintenance Administrator JSTC– Year Three - \$49.41

Maintenance Administrator HCMF– Year One - \$44.03

Maintenance Administrator HCMF– Year Two - \$45.28

Maintenance Administrator HCMF– Year Three - \$44.91

**Minimum Hourly Wage:**

Maintenance Clerk JSTC– Year One - \$28.28

Maintenance Clerk JSTC– Year Two - \$28.56

Maintenance Clerk JSTC– Year Three - \$28.85

Maintenance Clerk HCMF– Year One - \$29.00

Maintenance Clerk HCMF– Year Two - \$29.30

Maintenance Clerk HCMF– Year Three - \$29.59

(f) The Contractor, in the performance of the Services herein, shall pay for, or provide (and shall cause any subcontractor to pay for or provide) no less than the Health Benefits set forth below:

(1) Health Benefits shall be provided to FTEs *and* their families.

(2) Health Benefits shall include a health insurance program that includes all of the following components, at no cost to the FTE:

- i. up to and including family coverage, as applicable
- ii. inpatient hospital services
- iii. outpatient surgical facility services
- iv. emergency room services
- v. prenatal services
- vi. well visits/immunizations/routine visits for illness
- vii. prescription drug benefit.

- (3) The Contractor shall demonstrate to the satisfaction of the Port Authority that Health Benefits are furnished by the Contractor and all subcontractors through one or more of the following, with **no** Employee contribution to the health coverage premiums:
- i. The Contractor's and subcontractors' FTEs and their families are covered under a health benefit plan paid for and/or provided by the Contractor; The Contractor's and subcontractors' FTEs and their families are covered under a health benefit plan paid for and/or provided by the Contractor;
  - ii. The Contractor's and subcontractors' FTEs and their families are covered by a union benefit plan authorized under the Taft Hartley Act 29 USCA Section 186; or
  - iii. FTEs and their families are covered by a government health benefits program, including, but not limited to Healthy New York, Child Health Plus and NJ Family Care.
- (4) Health Benefits shall be provided to FTEs and their families no later than thirty (30) days from the first date of the Employee performance under the Contract.
- (5) The Contractor shall provide each FTE with written information, i.e. documents relating to each Employee's health care coverage, specifically enumerating the coverages the Employee is entitled to, including, but not limited to, those components required under this provision.
- (6) The Contractor shall provide continued Health Benefits to FTEs and their families of the same quality, or better than initially provided under this Contract, throughout the duration of the Contract term.
- (g) 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 Direct Wages shall 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.
- (h) Nothing contained herein shall be construed to prevent the Contractor or any subcontractor from paying or providing any Employee Direct Wages and/or Health Benefits higher than those required and described in this numbered clause. 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.
- (i) Contractors (and its subcontractors) should expect to be audited with respect to Wages, Health Benefits and Supplemental Benefits paid or provided to Employees under this Contract. All Wage and Benefits 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 and documents related to Health Benefits and Supplemental Benefits provided to Employees, 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.

- (j) The Contractor (and any subcontractors) 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, Health Benefits and Supplemental Benefits, the Contractor and its subcontractors are also required to provide such records and books of account in spreadsheet or other electronic format, as required by the Port Authority.

Upon request by the Port Authority, the Contractor (and its subcontractors) shall have fifteen (15) business days to provide such payroll records, information about Health Benefits, 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. Information about Health Benefits includes, but is not limited to, any documentation issued by the insurance provider or plan administrator to the Contractor or the Employees, as permissible under law.

In the event the Contractor or subcontractor(s) 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, in its sole discretion, estimate wages and non-overtime hours worked in order to determine whether the Contractor (or its subcontractors) was in compliance with the Wages, Health Benefits and Supplemental Benefits provisions of this Contract.

- (k) Further, the Contractor shall submit to the Port Authority on the fifteenth day of the seventh month following the month in which the Commencement date of the Contract falls and every six months thereafter, and the month following the month in which the terminate date of this Contractor falls, a certified statement signed by an executive officer of the Contractor based upon the Contractor’s payroll records which indicated that the Wages and Health Benefits requirements were met during the six month period ending on the last day of the month preceding the date of the submission of the said statement, together with such other detailed information as the Port Authority may request from time to time regarding Wages and Health Benefits paid or provided by the Contractor or its subcontractors to Employees engaged in providing the Contractor’s Services under the Contract. The Contractor shall impose all obligations within this clause upon its subcontractors.
- (l) 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 to the Employee the appropriate Direct Wages (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 each of the Contractor’s affected Employees an amount equivalent to the product obtained by multiplying the difference between the applicable Minimum Hourly Wage and amount actually paid per hour by the number of non-overtime hours worked by the Employee during such Contract year, calculated for each 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 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.

- (m) 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 rate from any subsequent payment to the Contractor.
- (n) If requested by the Port Authority, the Contractor shall submit to the Port Authority for approval a plan for the Contractor's or subcontractor's return of the Underpayment Amount 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 Amount to the affected Employees in cash, and the Contractor or the subcontractor is responsible for any additional payroll taxes resulting from this payment.

## **6. Prevailing Wages**

The Contractor shall provide (and shall cause all sub-contractors to pay or provide) to its engineers, electricians, mechanics and workmen (who are employed by it to work on an hourly or daily basis at any trade or occupation at or about the Facility) at least the prevailing rate of wage and supplements for others engaged in the same trade or occupation in the locality in which the Services are being performed at the time the Work is being performed and notwithstanding that such rate may be higher than the rate in effect on the date of the opening of the Bids/ receipt of Proposals.

For the purposes of this Contract, for work being performed in the State of New Jersey, Contractors and Subcontractors are directed to utilize the State of New Jersey, Department of Labor and Workforce Development prevailing wage levels established pursuant to the New Jersey Prevailing Wage Act (N.J.S.A. 34:11-56.25 et seq.) for workers engaged in public works projects in the Counties of Bergen, Essex, Hudson and Union. The applicable prevailing wage rates shall be those, which are in effect for the locality and for the period of time in which the work is to be performed. Current prevailing wage rates may be downloaded at: [http://lwd.state.nj.us/labor/wagehour/wagerate/prevailing\\_wage\\_determinations.html](http://lwd.state.nj.us/labor/wagehour/wagerate/prevailing_wage_determinations.html).

The provisions of this clause are inserted in this Contract for the benefit of such engineers, electricians, mechanics and workmen as well as for the benefit of the Port Authority; and if the Contractor or any subcontractor shall pay or provide any engineers, electricians, mechanics and workmen less than the rates of wages and supplements above described, such workmen, laborers, carpenters and mechanics shall have a direct right of action against the Contractor or such subcontractor for the difference between the wages and supplements actually paid or provided and those to which they are entitled under this clause. If such engineers, electricians, mechanics and workmen are employed by any subcontractor whose subcontract does not contain a provision substantially similar to the provisions of this clause (requiring the payment or provision of a least the above minimum, and providing for a cause of action in the event of the subcontractor's failure to pay or provide such wages and supplements) such engineers, electricians, mechanics and workmen shall have a direct right of action against the Contractor. The Port Authority shall not be a necessary party to any action brought by any engineers, electricians, mechanics and workmen to obtain a money judgment against the Contractor or any subcontractor pursuant to this clause.

Nothing herein contained shall be construed to prevent the Contractor or any subcontractor from paying higher rates or providing higher supplements than the minimum hereinbefore described; and nothing herein contained shall be construed to constitute a representation or guarantee by the Port Authority that the Contractor or any subcontractor can obtain engineers, electricians, mechanics and workmen for the minimum hereinbefore described.

The Contractor's or a subcontractor's failure to comply with any provision of this numbered clause may be deemed as a substantial breach of this Contract.

## **7. Contractor's General Responsibilities, Obligations and Services**

### **A. 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, Appendices A and B. 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 to provide a safe and productive working environment at the Facility and to achieve optimal public access, utilization, safety and convenience.

As directed by the Superintendent, the Contractor shall perform Routine and Non-Routine Work activities as described in the Appendices following procedures outlined in the these Specifications.. Except for PATH's requirement for a Watch Engineer to be on duty Monday through Sunday (24/7), operation and maintenance activities identified in this Contract are generally performed during Regular Working Hours.

The Superintendent, however, 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 each Work Order.

Contractor shall provide to PATH 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 twenty-eight (28) two-way radios: fourteen (14) at the JSTC and fourteen (14) at the HCMF. The radios to be utilized as required by the Superintendent shall be VHF frequency as manufactured by Motorola Corporation or Port Authority approved equal. The units must be suitable for the purpose and operated properly within the Facility. One (1) master NiCad Battery Charger shall be provided by the Contractor at each Facility that is capable of charging fourteen (14) radios simultaneously. Each radio shall be provided a minimum of two (2) batteries. Radios must remain operational during the duration of this Contract.

Response time for answering a radio call is fifteen (15) minutes, twenty-four (24) hours per day, seven (7) days a week.

The Contractor shall instruct its 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 firefighting procedures for their assigned Facility. The Contractor shall also be responsible for the annual re-certification of Facility staff in the use of firefighting equipment. Compensation for the cost of such training shall be included in the Contractor's lump sum price. Contractor's time shall count as working time during Regular Working Hours.

The Contractor shall continually instruct its personnel on proper practices and procedures to be followed while working at the Facilities. The Contractor shall schedule weekly safety orientation meetings during the term of the Contract as required by the Superintendent and at no additional cost to PATH.

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 shall provide suitably trained staff, as required herein, to perform the services specifically required herein and shall render assistance, information and general directions if necessary. Specific requirements for training are stipulated in the section hereof entitled "Training Requirements".

The Contractor shall, at all times, cooperate with the Superintendent 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 at or in the vicinity of the area, indicating that 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 section hereof entitled "Net Cost Items and Compensation for Net Cost Items." Upon direction of the Superintendent, the Contractor shall prohibit public access to 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 section of the Specifications entitled "Facility Introduction" and other areas within the limits of the Facilities, including, but not limited to, 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 submit for PATH approval an occupational safety and health plan ("Plan") demonstrating compliance with Occupational Safety and Health Administration

Rules and Regulations 29 CFR 1910 et seq. The Plan shall be submitted to the PATH Safety Supervisor upon Contract award and every six (6) months thereafter.

The Contractor shall comply with all Port Authority and PATH policies and procedures, as well as all applicable rules and regulations, and shall receive proper approval before it or its directed subcontractor commences any work on fire protection systems that must temporarily be taken out of service for work by the Contractor or others.

The Contractor shall properly file an application for a welding/burning permit with the Superintendent at least twenty-four (24) hours in advance of such work .

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

In order to ensure the effective and efficient operation, maintenance, inspection and repair of each of the Facilities' building equipment, systems, sub-systems, and components, PATH may enter into various contracts with service contractors for the performance of inspections, maintenance and repairs. The Contractor shall, upon PATH's request, assist PATH in procuring the services of such service contractors. Upon the execution of any such service contract, the Contractor shall fully administer it. Such administration shall include the inspection, evaluation and documentation of the service contractor's performance and the maintenance of all information, e.g., correspondence logs, relating to such contract.

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

**JOURNAL SQUARE TRANSPORTATION CENTER**

- 1) EMERGENCY GENERATOR
- 2) AIR-CONDITIONING AND MONITORING EQUIPMENT
- 3) BOILERS, CONTROLS AND WATER TREATMENT
- 4) FIRE PROTECTION SYSTEMS
- 5) HVAC CONTROLS

**HARRISON CAR & MAINTENANCE FACILITY**

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

- e) CNC Machine
- f) Parts, washers, ovens, evaporators

#### 8) OIL TANK CLEANING, USED OIL TRANSPORTATION/RECYCLING

The Contractor's compensation for all Work required by this Section, including overhead, profit and administrative costs, shall be included in the Contractor's Monthly Lump Sum Price in the Pricing Sheets.

#### C. PATH AND CONTRACTOR JOINT ACTIVITIES

The Contractor shall continuously review with PATH the amount and type of work outstanding. Based on this review, and as directed by the Superintendent/Manager, PATH may choose to exercise any of its rights 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.

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### 8. Materials, Supplies and Equipment

Beginning with the effective date of this Contract, the Contractor shall establish procedures for performance (in conjunction with the WOTS and/or PAMS) of 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 fulfillment of his services hereunder. These procedures shall be accomplished through the coordinated efforts of the Contractor's personnel and the Superintendent.

#### A. Approval of Materials, Supplies and Equipment

Only Port Authority/PATH approved materials, supplies and equipment are to be used by the Contractor in performing services hereunder. Inclusion of materials or supplies on the Port Authority/PATH Approved Products List or approval by the Superintendent shall constitute 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. Said list is available at the office of the Manager, System Safety & Environmental Management Division.

#### B. General

- i. All materials, supplies, tools and rental equipment required by the Contractor in performing the Work at the Facilities under this Contract shall be purchased by the Contractor and issued to the Contractor's personnel as required by the Contract. The Contractor shall be compensated for all such purchases (other than Small Tools) based on the net cost thereof as such cost is computed in accordance with the section hereof entitled, "Net Cost Items and Compensation for Net Cost Items".
- ii. All materials, supplies, tools and equipment (whether purchased by the Contractor or supplied by PATH) required in the operation and maintenance of the Facilities under this Contract shall be stored and inventoried. The Contractor shall maintain a complete, up-to-date inventory of all such stored items and upon the Superintendent's request shall provide a copy of the inventory status, including designation of shortage or breakage, if any, and indicating the reason for such

shortage or broken items.

- iii. The Superintendent shall have the right at all times to monitor the quality and quantity of all materials, supplies, tools and equipment used by the Contractor in the performance of services hereunder. 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 to establish minimum inventories of tools and equipment to be maintained by the Contractor for use in the performance of services hereunder. If at any time the Contractor is using, or has available for use, in the performance of services hereunder, insufficient materials, supplies, tools and equipment, as determined by the Superintendent, the Superintendent 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's. The maintenance of these items shall be the responsibility of the Contractor
- iv. 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 or 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.
- v. All equipment used by the Contractor hereunder will be monitored by the Superintendent, who will, from time to time, determine its effectiveness of use and overall equipment. The Superintendent will have the right to require the Contractor to discontinue the use of any equipment determined by him/her to be ineffective and to replace it with properly functioning equipment.
- vi. PATH may from time to time furnish to the Contractor for his use under this Contract various spare parts, materials, supplies, tools and equipment. The Contractor shall return every such spare part, material, supplies, tool or equipment to PATH in good condition (normal wear and tear excepted) promptly upon the request of the Superintendent or upon termination of this Contract. Except for normal wear and tear, the Contractor assumes the risk 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 it 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.
- vii. Equipment or materials identified by the Contractor as broken must be reported and returned to the Superintendent before being disposed of. All materials that are replaced within and/or removed from the JSTC and HCMF shall remain the property of PATH and shall be delivered to a location at the JSTC or HCMF determined by the Superintendent.
- viii. The Contractor, at its expense, shall furnish, distribute and replace as necessary all safety equipment for Contractor's staff employed at the sites, including but not limited to safety goggles, respirators, work gloves, bump caps, safety vests, safety

shoes and hearing protection.

C. Equipment and Tools Provided to the Contractor

- i. Certain tools and items of equipment will be provided to the Contractor for exclusive use at the JSTC and HCMF. Such tools and items are not to leave the premises of the JSTC or HCMF.
- ii. The PAMS requires the use of Microsoft Surface Pro 4, or approved equivalent, tablets (such devices referred to as “Technology”) . PATH will provide the agreed to number of Technology, fully configured with all required and appropriately licensed software and image to the Contractor’s staff for daily use. The Technology shall remain the property of PATH and are to be maintained and protected with the same reasonable level of care as the Contractor’s own equipment during the Contractor’s use and shall only be used for the performance of services under this Contract. The Contractor shall ensure the Technology shall be returned to the designated storage cabinet and docking stations at the end of each shift. Unless otherwise directed, the keys for the locking storage cabinets shall be turned in to the Facility at the end of each workday. At the termination of the Contract, all Technology shall be returned to PATH’s designated point of contact.
- iii. The Contractor agrees not to permit others to operate the equipment and/or use the tools provided by PATH.
- iv. The Contractor shall maintain the equipment in good working order, making such repairs as are within the expertise of its 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 direction shall prevail. Repair of these devices for damage caused by Contractor or subcontractor employee misuse, neglect or vandalism shall be the responsibility of the Contractor. The Contractor assumes the risk of loss of any electronic device.
- v. The Contractor hereby agrees to operate or use the equipment and tools provided by PATH with care and diligence.
- vi. The Contractor further agrees that, following each use of the tools and equipment, he will put them in a secure 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.
- vii. The Contractor shall provide the equivalent number of locking storage cabinets, docking stations, extra charging cords and USB cables for the PATH provided Microsoft Surface Pro 4, or approved equivalent, tablets. Specifications will be provided to the Contractor upon award of the Contract.

## 9. Net Cost Items and Compensation for Net Cost Items

Net Cost Items shall mean certain items of materials, supplies, tools (excluding Small Tools) and equipment required to carry out the provisions of this Contract, including provisions for both Routine Work and Non-Routine Work.

Net Cost Items 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; however, Net Cost Items shall not include radios, battery chargers or uniforms or any other items that are specifically required under the Contract to be provided at the Contractor's expense.

Compensation from PATH for Net Cost Items 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 prior to making any expenditure hereunder for any item of materials, supplies, tools or equipment pursuant to this clause if an individual purchase or accumulated expenditures to the same vendor on a given day will exceed five hundred dollars (\$500).

The terms "materials", "supplies", "tools" (other than Small Tools) and "equipment" 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" means the price, including any taxes, actually paid by the Contractor pursuant to law upon the basis of such materials, supplies, tools and equipment when 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 manufacturer), 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.

1. The rental for equipment, whether owned by the Contractor or subcontractors or rented from others and notwithstanding the actual rental amount or costs associated with such equipment, will be computed by the Superintendent/Manager on the basis of the following:
  - (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) (the "Blue Book") shall be one hundred percent (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 Work. 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 therefrom by applying the following criteria:

(a) The rate to be applied for an item of equipment used on a particular work order shall be the daily, weekly or monthly rate from the foregoing 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 or subcontractors, whether under this Contract or under any other contract with PATH. Included within this period will be (i) work days of idleness of the tool, equipment or construction aid at the construction site whether such idleness results from acts or omissions of the Contractor, Port Authority or third persons, breakdowns in the tool, equipment or construction aid or any other cause, (ii) work days on which the equipment is removed from the construction site solely to enable the performance of repairs thereon, and (iii) work days intervening between the removal of the tool, equipment or construction aid from the construction site for repairs and the delivery to the construction site of the same or substitute tool, equipment or construction aid. The number of work days in the period for each rate shall be as indicated below:

- |   |                |
|---|----------------|
| Three (3) work days or less   | - daily rate   |
| More than three (3) work days but<br>not more than fifteen (15) work days | - weekly rate  |
| More than fifteen (15) days   | - monthly rate |

Pro-rata hourly rates 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 Blue Book |

(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/Manager should determine that the nature or size of the equipment used by the Contractor in connection with the work order 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 work order, the reasonable rental will be based not upon the equipment used by the Contractor but on the smallest or least elaborate equipment determined by the Superintendent to have been suitable for the performance of the Work Order.

## 10. Compensation for Subcontractors

If certain work ordered by the Superintendent/Manager in writing, whether required by this Contract (i.e., at the time of acceptance of the Contractor's bid) or additional thereto, cannot

be performed by the Contractor, then in such event such work shall be performed by a subcontractor. The Contractor shall solicit proposals for such work and must demonstrate to the satisfaction of the Superintendent/Manager that at least three (3) bids from qualified subcontractors have been obtained and approved by the Superintendent/Manager. In the event that the Contractor is unable to obtain three (3) bids the Contractor it shall so notify the Superintendent/Manager and shall demonstrate to the satisfaction of the Superintendent/Manager that three (3) bids are not obtainable. No proposals for such work shall be solicited and no such work shall be performed except pursuant to written orders from the Superintendent/Manager expressly and unmistakably indicating his/her intention to have the work described therein performed by a subcontractor and approving the subcontract and the compensation to be paid to such subcontractor.

Compensation for the work required by this clause shall be the cost to the Contractor as approved by the Superintendent/Manager plus five percent (5%) of such cost.

## **11. Management and Supervision**

- A. Primary residence, emergency and alternate/cell telephone numbers shall be made available to the Superintendent for all Contractor personnel for use in emergency response notifications and shall be updated as necessary.
- B. The Contractor shall provide, at no additional cost to PATH, two (2) cell phones at HCMF and three (3) cell phones at JSTC (for a total of five (5) cell phones) to be used by the Contractor's Maintenance Administrator and Chief Watch Engineer to ensure that communication can be achieved twenty-four (24) hours per day, seven (7) days per week. These cell phones shall remain in working order during the duration of this Contract. 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, the Contractor shall immediately replace same at no cost to PATH.  
  
Response time for answering a cell phone communication is fifteen (15) minutes twenty-four (24) hours per day, seven (7) days a week.
- C. The Contractor shall provide a Maintenance Administrator, subject to the initial and ongoing approval of the Superintendent, whose qualifications shall be in accordance with those as outlined in the clause of the Contract entitled "Contractor's Personnel."
- D. The Contractor shall instruct the Maintenance Administrator and through him or her, all employees, agents and servants, that the safety and convenience of the public and PATH and PATH's operation shall, at all times, take precedence over all other considerations.
- E. In the short term physical absence of the Maintenance Administrator (less than one (1) work day), , the Chief Watch Engineer or Watch Engineer on duty shall have primary responsibility for the entire JSTC and/or HCMF, to issue instructions or direct all Contractor's employees, including under emergency conditions or other unusual activities.
- F. 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. Either the Maintenance Administrator or the Watch Engineer shall always be available to PATH to receive such orders, directions and instructions. All Contractor's personnel, in turn, shall receive their orders, directions and instructions from the Maintenance Administrator, Chief Watch Engineer or Watch Engineer, except in the case when supervision must be by the Maintenance Administrator or Chief Watch Engineer as directed by the Superintendent.

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

## **12. Personnel Requirements**

- A. The Contractor shall furnish sufficiently trained personnel at no additional cost to PATH, including, but not limited to, appropriately certified and experienced supervisory, maintenance (including, but not limited to, asbestos O&M and Pesticide Handler), and clerical personnel to perform the services required of the Contractor under this Contract. The Maintenance Administrator assigned to each Facility shall prepare written performance appraisals of all Contractor personnel assigned to this Contract. The written performance appraisals shall be submitted to the Superintendent every six (6) months. If any personnel are deemed unsatisfactory or do not perform the services to be furnished hereunder in a manner that is proper and satisfactory to PATH, or if in the determination of the Superintendent any personnel have 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 inconsistent with the best interest of PATH, the Contractor shall remove any such personnel and replace them with personnel satisfactory to PATH within twenty-four (24) hours, upon notice from PATH.
- B. All Contractor's personnel 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. No employees will be permitted to work under this Contract without approval of the PATH Superintendent.
- C. All Contractor employees shall be subject to a 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 (1) annual medical test for each employee for the presence of controlled or dangerous substances or intoxicants.
- D. All required inoculations (such as, but not limited to, Hepatitis) are to be administered to the personnel, of which the cost shall be borne by the Contractor. The Contractor's Inoculation Records shall be submitted to PATH on an annual basis for review.
- E. In the event of a positive test result for any controlled or dangerous substance or intoxicant, the Contractor shall immediately remove the Contract employee from working at any PATH/Port Authority Facility. Effective June 12, 2017 (the "Effective Date,") the Contractor and its subcontractors which perform regulated services (as defined in 49 CFR Part 219) for PATH, are responsible for its/their compliance with the Federal Railroad Administration ("FRA") 49 CFR 219 "Control of Alcohol and Drug Use" ("Part 219.")

For the purposes of compliance, the Contractor and its subcontractors shall not be included in the Port Authority or PATH Part 219 Compliance Program and must therefore comply as otherwise set forth in Part 219. In order to perform Work covered by Part 219 after the Effective Date, Contractor and its subcontractors shall submit to PATH a written certification that the Contractor and its subcontractors are in compliance with all applicable parts of Part 219. This certification and any other documentation required by PATH or Part 219 must be provided prior to performing Work covered by Part 219 under the Contract and at least every six (6) months during the duration of the Contract, or at any other frequency determined by PATH or required by the FRA. The Contractor's, or its subcontractors', failure to comply with any provision of this numbered clause may be deemed as a substantial breach of this Contract.

### **13. Training Requirements**

- A. The Port Authority Trans-Hudson Corporation is responsible for the operation of the entire PATH Rail System. As part of this responsibility, PATH is committed to providing assistance and information to its employees, tenants and visitors and a secure environment for the traveling public. At times, the Contractor's personnel shall render assistance and give information and/or general directions as necessary during the performance of their duties at the JSTC and HCMF.
- B. This interaction requires highly motivated staff, each of whom 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 shall be subject to the ongoing review and approval of PATH.
- C. The Contractor must at its own expense develop and administer an annual program as well as yearly refreshers, the cost of which shall be included in the lump sum price, and which shall provide but not be limited to at least eight (8) hours of classroom training, to include, but not be limited to:
  - i. Demeanor
  - ii. Appearance
  - iii. Ethics
  - iv. Customer Service
  - v. Coping with Emergencies
  - vi. Reports and Communications
  - vii. Team Oriented Attitudes
  - viii. Use of Safety/Fire Fighting Equipment
  - ix. Fire Procedures and Control

### **14. Maintenance of the JSTC**

#### **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

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 included in the Contractor's services in accordance with the Contract Specifications and Scopes of Work in their present form:

- 1) The Contractor shall supply and pay for all fan belts, lubricants, filters and gaskets (PATH will supply all other materials), and shall 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 Appendix B, Scope of Work #1.
- 2) The Contractor shall supply all air filters, at no additional cost to PATH, and shall 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 Appendix B, Scope of Work #2.
- 3) The Contractor shall supply air lines, traps, filters, oil and control and electrical wiring and shall 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 Appendix B, Scope of Work #3, including the functions, procedures, tests, inspections and duties outlined in Appendix B, Scopes of Work #1 and #2.
- 4) 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 Appendix B, Scope of Work #4.
- 5) 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 Appendix B, Scope of Work #5. PATH will supply the materials and chemicals for water treatment.
- 6) 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 Appendix B, Scope of Work #6.
- 7) 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 Appendix B, Scope of Work #7.

#### B. Specific Exclusions

Subject to the direction of the Superintendent the following items of Work are not required

to be performed at the JSTC by the Contract Specifications in their present form and the Contractor shall not perform the following:

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

Note: The Contractor shall; however, be responsible for re-lamping and general maintenance and operation of the JSTC building systems in the locations where the equipment listed in 1), 2), 3) and 4), above, is situated;

- 5) Maintenance of PATH's public address system and components;
- 6) Smoke detection equipment and maintenance;
- 7) 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";
- 8) Maintenance of the following PATH equipment:
  - a) Turnstiles on the PATH mezzanine level
  - b) Closed circuit TV systems and components
  - c) Ticket vending machines;
- 9) Maintenance of the equipment in the parking operator's booths and office. The Contractor, however, shall be responsible for the electrical work, HVAC and all building services in the tollbooths and office;
- 10) Fuel oil and/or natural gas;
- 11) PATH Machine Shop equipment.

Note: The Contractor shall, however, be responsible for re-lamping, 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 clause "Maintenance of the JSTC" above, when cost is less than \$150 per item shall be at no additional cost to PATH, to include but not be limited to expendable items (i.e. saw blades, drill bits, and taps).

The foregoing is not an exhaustive listing, either as to the work as a whole or as to any one type of item mentioned, or of the Work required by the Specifications and Scopes of Work. 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.

## **15. Maintenance of the HCMF**

### **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 and 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 HCMF.

The following items of work shall be included in the Contractor's services in accordance with the Contract Specifications and Scopes of Work:

- 1) The Contractor shall provide all labor, supervision, administration, tools, equipment and materials necessary or proper for the operation of all HVAC equipment, including the Facility Heating Plant located in the Main Repair Shop, as well as for the operation of the HVAC equipment located in Tomlinson Control Tower, as further described in Appendix A, Scope of Work #1.
- 2) The Contractor shall supply, at no additional cost to PATH, all fan belts, lubricants and gaskets, all filters and other materials, and shall provide all labor, supervision, administration, tools and equipment necessary, proper or desirable for the efficient operation and maintenance of the HVAC systems as further described in Appendix A, Scope of Work #2.
- 3) 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 Appendix A, Scope of Work #3.
- 4) The Contractor shall provide all labor, supervision, administration, tools and equipment, except as may be provided otherwise herein, necessary, proper and desirable for the efficient operation and maintenance of the Building Management System, as further described in Appendix A, Scope of Work #4, including the functions, procedures, tests, inspections and duties outlined in Appendix A, Scopes of Work #1 and #2.
- 5) 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 Appendix A, Scope of Work #5.
- 6) 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 Appendix A, Scope of Work #6.

- 7) 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 Appendix A, Scope of Work #7.
- 8) 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 Contractor's battery powered forklift, as further described in Appendix A, Scope of Work #8.
- 9) 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 Appendix A, 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, and the Contractor shall not perform the following:

- 1) Maintenance of the elevator and escalator systems;
- 2) Janitorial services and general cleaning;
- 3) Maintenance of the following equipment:
  - a) Traction Power System and Supervisory Control System, including the Computer.
  - b) All Communications Equipment
  - c) Relay Room Equipment;
- 4) Maintenance of the HCMF Telephone System;
- 5) Maintenance of PATH's public address system and components;
- 6) Smoke detection equipment and maintenance;
- 7) Electrical systems within the Control Tower are the responsibility of PATH.

Note: The Contractor shall, however, be responsible for re-lamping, all general utility repairs, and operation and maintenance of the building systems in the 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.

The purchase of hand tools and equipment necessary or proper for the performance of work required to be performed under the clause "Maintenance of the HCMF" above, when cost is less than \$150 per item shall be at no additional cost to PATH, to include but not be limited to 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, or of the Work required by the Specifications and Scopes of Work. 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.

## **16. Staffing Requirements**

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

Additional staffing at each Facility is as follows:

### **JSTC**

One (1) Chief Engineer

Four (4) Watch Engineers

Three (3) Maintenance Electricians

Four (4) Maintenance Mechanics

One (1) Maintenance Mechanic Helper

### **HCMF**

One (1) Chief Engineer

Three (3) Watch Engineers

Four (4) Maintenance Electricians

Two (2) Machine Mechanics

One (1) Machine Mechanic with HVAC Experience

One (1) Maintenance Mechanic

All staff shall be assigned to this Contract on a full-time basis to perform assigned Routine and Non-Routine Work. Employees shall be at the Facilities during the days and hours delineated in the clause of these Specifications entitled "Contractor's General Responsibilities, Obligations and Services". 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.

The Contractor is required to provide additional personnel when such is deemed necessary by the Superintendent. The Contractor is to supply the number 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 must be complied with. The Contractor will be compensated for the Work with the submission of written records and reports to be approved by the Superintendent.

At the commencement of the Contractor's performance of the Contract and at any time thereafter and at the discretion of the Superintendent, if it becomes necessary to replace the Maintenance Administrator or Maintenance Clerk assigned by the Contractor to the 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, in his/her sole discretion, shall determine whether the qualifications of the prospective staff meet those required under the terms of the Contract.

## **17. Limitations on the Contractor's Employee Hours**

- A. 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 works more than twelve (12) hours per day and no employee resumes work sooner 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.

- B. 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 the time that such an emergency is in effect. Work performed by such employees at the site during such an emergency shall be compensated as defined below, in Section 26, Scheduling of Work, entitled "Non-Routine Work Orders". Compensation for the Work shall be in accordance with the "All Inclusive Hourly Rate" inserted by the Contractor in the Contractor's Pricing Sheet.

## **18. Employee Uniforms and Appearance**

The Contractor shall provide, at no additional cost to PATH, all personnel with distinctive uniforms with woven identification insignia of a type and style that shall be subject to the prior and continuing approval by the Superintendent. Such personnel shall wear these uniforms at all times while on the premises of JSTC and HCMF. The Contractor shall ensure that personnel present a neat, clean and orderly appearance at all times. All personnel shall make a minimum of two (2) 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 Administrator) shall be issued a winter parka; a light Eisenhower type spring/fall jacket; all-weather rain gear; safety regulated footwear; and at minimum, two (2) pairs of overalls as part of their general uniform allotment. The Contractor shall ensure that its employees wear proper shoes for the task being performed. The employees shall not wear sneakers or conductive shoes. The Contractor, at no additional cost to PATH, shall provide all incidental safety equipment (electrical personal protective equipment, respirators, safety glasses, gloves, etc.) as the particular job warrants. The Contractor will be required to provide OSHA-approved head protection (hard hats) to all staff working at the Harrison Car Maintenance Facility. Hard hats are required at all times in and around the Main Repair 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.

## **19. Space Provided to the Contractor**

- A. PATH will furnish the Contractor 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 changed at any time or from time to time at his/her discretion. The Contractor shall at all times clean these facilities and all fixtures, equipment and other appurtenances located

therein, and shall maintain them in an orderly and neat appearance as approved by the Superintendent.

- B. PATH will provide two (2) telephones at each Facility; one (1) phone will be located in each of the Contractor's business offices and one (1) phone will be located in each of the Watch Engineer's Offices in the Shops at JSTC and the HCMF. The costs to provide these phones and of all business-related calls will be borne by PATH. However, PATH reserves the right to review the usage of these phones on a periodic basis and, where evidence of personal misuse by the Contractor's staff is discovered, shall deduct all charges for personal calls from the Contractor's lump sum invoice. Misuse will be determined to be twenty (20) or more non-business-related calls to the same telephone number within the NYC Metropolitan area, and any non-business related calls outside the aforementioned area occurring within one billing statement period.
- C. PATH will provide to the Contractor one (1) set of keys to the locker room and/or secured areas of JSTC and HCMF.
- D. 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 possession of PATH will be available at each Facility for use by the Contractor.

## **20. Space Provided to the Contractor**

- A. PATH, by its officers, employees, and representatives, shall have the right at all times to enter upon the facilities and/or spaces provided the Contractor for the purpose of inspection of the same, for observing the performance of the Contractor of its obligations under this Contract, and for the doing of any act or thing which PATH may be obligated or have the right to do. Without limiting the generality of the foregoing, PATH shall have the right, for its own benefit or for the benefit of others at the Facility, to maintain existing and future utility systems or portions thereof on the facilities and/or space and to enter upon the facilities and/or space at all reasonable times to make such repairs, replacements, additions or alterations as may, in the opinion of PATH, be deemed necessary or advisable. It is understood that the foregoing shall not impose or be construed to impose upon PATH any obligation to inspect, construct or maintain or to make repairs, replacements, alterations or additions or to create any liability for any failure so to do.
- B. The Contractor shall examine the space carefully and accept it 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 and which may be caused by the operations of 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.
- C. The Contractor shall not perform any maintenance or repair, nor erect any structure, make any improvement 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 improvement, or install any fixture (other than trade fixtures, removable without injury to the space) without the prior written approval of PATH; and in the event any construction, improvement, alteration, modification, addition, repair or replacement is made with such

approval, then upon notice so to do, the Contractor shall remove the same or, at the option of PATH, cause the same to be changed to the satisfaction of PATH. In case of 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.

## **21. Contractor's Personnel**

### JSTC

The following general descriptions of each worker classification at the JSTC 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.

The Maintenance Administrator and Chief Watch Engineer shall be responsible for the supervision of all Work ordered under the Contract. The Maintenance Administrator shall be a salaried employee with a guaranteed compensation differential of at least five percent (5%) above the Chief Watch Engineer. However, the compensation for the Maintenance Administrator for such supervision of Extra Work will be based on the hourly rate established under the Contract for the Chief Watch Engineer.

#### **A. Maintenance Mechanic**

The required Maintenance Mechanics shall have as a minimum a "Blue Seal" license, as required by New Jersey state regulations. The Maintenance Mechanics shall have a minimum of five (5) years' experience in the maintenance of building systems comparable to those installed at the Facility. The duties of the Maintenance Mechanics shall include, but are not 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, stairs, expansion joints, flashings, blinds, shades and sheet metal work. The Maintenance Mechanics shall perform these services Monday to Friday during the Regular Working Hours, as defined herein, exclusive of holidays. At least two (2) of the facility Maintenance Mechanics shall be asbestos O&M-certified within three (3) months of the contract award date.

#### **B. Maintenance Electrician**

The required Maintenance Electrician(s) shall have a minimum 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 Maintenance Electrician(s) shall include, but are not limited to, the inspection, servicing and repair of all components of the Facility's electrical, fire protection, and HVAC building systems and equipment as outlined in the Specifications. The Maintenance Electricians(s) shall perform these services Monday to Friday during the Regular Working Hours, as defined herein, exclusive of holidays. At least two (2) of the Maintenance Electricians at the Facility shall be asbestos O&M certified within three (3) months of the contract award date.

#### **C. 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. The Maintenance Clerk shall perform these services Monday to Friday during the Regular Working Hours, as defined herein exclusive of holidays. The Maintenance Clerk shall not perform any other duties except those exclusive to this contract.

#### D. Maintenance Administrator

The Contractor shall provide the services of a Maintenance Administrator, who shall be subject to the approval of the Superintendent and who shall possess, at a minimum, (1) a valid Stationary Engineer's Red Seal license, or a P.E. License and a refrigeration license, and (2) seven (7) years of experience in the management of facility and building maintenance activities for systems, equipment and components substantially comparable to the systems, equipment and components at the Facility. In addition, the required Maintenance Administrator shall have a minimum of two (2) years of 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 Work. The Maintenance Administrator shall devote his or her time exclusively to the responsibilities in connection with the work to be performed under this Contract. The presence of the Maintenance Administrator on JSTC premises is required during the Regular Working Hours, as defined herein, Monday through Friday, exclusive of Holidays, and at such other times as may be required by the Superintendent. 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 referenced in Part III. Duties of the Maintenance Administrator shall include, but not be limited to, the following:

- 1) Receive all requests from the Superintendent 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 requests and matters to be executed for maintenance on the Facility's computerized maintenance control system and produce such management reports as the Superintendent may require for the proper monitoring and auditing of the Contractor's activities at the Facility.
- 3) Monitor and verify 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 and report to the Superintendent the monitoring of the performance of said service contractor personnel and procure, record and file evidence of the inspection, maintenance and repair of 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.

#### E. Watch Engineer

The Watch Engineers shall provide twenty-four (24) hour/seven (7) days a week coverage, shall be responsible for the operation of the JSTC heating plant equipment and systems and shall have as a minimum a "Blue Seal" license, as required by New Jersey state regulations. At least one (1) of the required Watch Engineers shall hold and maintain, at a minimum, a "Red Seal" license, as required by the New Jersey State regulations, 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:

- 1) Manual inspections of boiler room and performance of routine mechanical and electrical maintenance.
- 2) Performance of the services delineated in the Specifications.
- 3) The Chief Watch Engineer or, in his or her 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 the hours other than regular hours, the Watch Engineer on site shall be responsible for the timely response to all Facility emergencies involving the systems, equipment and components of the JSTC, 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 Maintenance Administrator and PATH Superintendent.
- 6) Perform other related duties, as directed by the Superintendent through the Maintenance Administrator.

#### F. Maintenance Mechanic Helper

The Maintenance Mechanic Helper shall have a minimum of three (3) years of 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 facilities, including HVAC, plumbing, mechanical, electrical and fire protection systems. The Maintenance Mechanic Helper shall routinely assist the Maintenance Mechanic in performing such tasks but may work independently while performing sub-journeyman level work.

## HCMF

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.

The Maintenance Administrator and Chief Watch Engineer shall be responsible for the Supervision of all Work ordered under the Contract. The Maintenance Administrator shall be an employee with a guaranteed compensation differential of at least five percent (5%) above the Chief Watch Engineer. However, the compensation for the Maintenance Administrator for such supervision of Extra Work shall be based on the hourly rates for the Chief Watch Engineer.

### A. Maintenance Mechanic

The required Maintenance Mechanics shall have as a minimum a “Blue Seal” license, as required by New Jersey state regulations. The Maintenance Mechanics shall have a minimum five (5) years of experience in the maintenance of building systems comparable to those installed at the Facility. They must also have a minimum of two (2) years of experience in the maintenance of industrial shop equipment. The duties of the Maintenance Mechanics shall include, but are not 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. The presence of the Maintenance Mechanic on HCMF premises is required during Regular Working Hours, as defined herein, Monday through Friday, exclusive of Holidays, and such other times as may be required by the Superintendent.

### B. Machine Mechanic

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 five (5) years 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 presence of the Machine Mechanic on HCMF premises is required between the Regular Working Hours, as defined herein, Monday through Friday, exclusive of Holidays, and such other times as may be required by the Superintendent.

The duties of the Machine Mechanic shall include but are not 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, and repair industrial shop equipment and 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 blueprints and/or sketches and prepare layouts for same.

#### C. Machine Mechanic with HVAC Experience

The required Machine Mechanic with HVAC Experience shall have as a minimum a “Blue Seal” refrigeration license, as required by New Jersey state regulations, and requires at least five (5) years’ experience maintaining and repairing HVAC systems of similar type and complexity to those covered under this contract, and shall possess and maintain a CFC certification as required by OSHA CFR 40, Part 82, subparagraph F. The Machine Mechanic with HVAC Experience 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. The duties of the Machine Mechanic with HVAC Experience shall include, but are not limited to, the duties of the Machine Mechanic (as specified herein), the inspection, servicing and repair of all components of the facility’s electrical, fire protection and HVAC building systems as outlined in the Specifications. The presence of the Machine Mechanic with HVAC Experience on HCMF premises is required between the Regular Working Hours, as defined herein, Monday through Friday, exclusive of Holidays, and such other times as may be required by the Superintendent.

#### D. Maintenance Electrician

The required Maintenance Electricians shall have a minimum of ten (10) years of experience as an inspector, contractor and/or maintainer of electrical systems comparable to those at the Facility, and/or completion of certification for a Journeyman-level electrician. The Maintenance Electricians shall have the 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. The Maintenance Electricians shall also have a working knowledge of Variable Frequency Drives and Programmable Logic Controllers (PLC). The duties of the Maintenance Electrician shall include, but are not limited to, the inspection, servicing and repair of all components of the facility’s electrical, fire protection, and HVAC building systems and industrial shop equipment as outlined in the Specifications. The presence of the Maintenance Electrician on HCMF premises is required between the Regular Working Hours, as defined herein, Monday through Friday, exclusive of Holidays, and such other times as may be required by the Superintendent.

#### D. 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

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. The Clerk shall perform these services Monday to Friday between the hours of 6:30AM and 3:00PM, exclusive of holidays.

E. 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 Stationary Engineer's Red Seal license, or a P.E. License and a 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. In addition, the required Maintenance Administrator shall have a minimum of two (2) years of 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 and Specifications therein, including emergency operations, procedures and supervision of Work. The maintenance Administrator shall devote his or her 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 Regular Working Hours, as defined herein, Monday through Friday, exclusive of Holidays, and such other times as may be required by the Superintendent. 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 referenced in Part III. Duties of the Maintenance Administrator shall include, but not be limited to, the following:

- 1) Receive all requests from the Superintendent 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 may require for the proper monitoring and auditing of the Contractor's activities at the Facility.
- 3) Monitor and verify 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 and report to the Superintendent the monitoring of the performance and procedure of said service contractor personnel; record and file 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.

#### F. Watch Engineer

The Watch Engineers shall provide twenty-four (24) hour/seven (7) days a week coverage and be responsible for the operation of the HCMF heating plant equipment and systems and shall have as a minimum a “Blue Seal” license, as required by New Jersey state regulations. At least one (1) of the required Watch Engineers shall hold and maintain, as a minimum, a “Red Seal” license, as required by the New Jersey State regulations, 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 of 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:

- 1) Manual inspections of boiler room and performance of routine mechanical and electrical maintenance.
- 2) Performance of the services delineated in the section entitled “Watch Engineer Services” and the section entitled “Operation and Maintenance Services: Heating, Ventilation and Air Conditioning Systems”.
- 3) The Chief Watch Engineer or, in his/her 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 regular hours, the Watch Engineer on site shall be responsible for the timely response to all Facility emergencies involving the systems, equipment and components of the HCMF including emergencies involving systems, equipment, components and structures at the site for which maintenance and operating responsibility have 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 through the Maintenance Administrator.

## 22. Contractor’s Vehicles – Parking – Licenses

The Contractor shall furnish and maintain pick-up trucks, one (1) at each Facility, for exclusive use for the Contractor’s employees. The vehicles shall be kept at the Facilities, twenty-four (24) hours per day, seven (7) days per week. Requirements for these vehicles are as follows:

### A. Basic 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 not be more than two model years old, as of the date of PATH’s acceptance of the Contractor’s bid. 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 shall be borne by the Contractor.

**B. Specific Requirements for Vehicles at Both Facilities**

In addition to the basic vehicle specifications contained in A., above, the vehicles shall be equipped with a Signal Directional Display Panel Traffic Advisor equal or better to that of the Model TA870A manufactured by the Lear Siegler, Inc. Signal Division located in Los Angeles, California or South Holland, Illinois. The vehicle shall also 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) and a pintle hook, with a tow capacity of 9,500 lbs. average.

Parking for such vehicle will be available at the Facility.

- 1) The Contractor shall be required to provide an electric powered forklift with a lifting capacity of no less than 6,500 lbs. with a maximum width of 47", and associated battery charger. The forklift shall not be older than two (2) model years old at the time of Contract award and must meet or exceed all OSHA specifications. Any replacement vehicle must meet these Specifications and must be no more than two (2) model years old at the time of replacement. All costs related to the vehicle, including, but not limited to, fuel, oil, maintenance, and any liability insurance shall be borne by the Contractor. (HCMF Only)
- 2) The Contractor shall be required to provide a skid steer loader equal to or better than that of a John Deere model 318D to remain at the facility from November 1 through March 31 for the duration of the Contract. All costs related to the vehicle, including, but not limited to, fuel, oil, maintenance, and any liability insurance, shall be borne by the Contractor. (JSTC Only)

At HCMF, on-site parking accommodations will be provided for Contractors as approved by PATH. At JSTC, one (1) parking spot will be reserved for the Contractor's vehicle.

**23. Maintenance Procedures (MPs)**

A separate volume entitled "Maintenance Procedures" (called MPs) supplements the requirements for routine maintenance stipulated by the Scopes of Work (See Part V, Appendix A and Appendix B) in their present form. These MPs describe in detail and provide a checklist of the services to be performed as required herein. The MPs 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, constitute an improvement to the preventative maintenance program. The Contractor shall assist the Superintendent upon request with the revision or creation of such maintenance procedures.

**24. 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 reliability, decrease maintenance and operating cost, or

improve energy conservation. At all times and at any time, the Contractor shall make available to the Superintendent any and all information required or recommendations for repair of all systems, subsystems and individual components or equipment under this Contract.

## **25. Manuals, Reference Material and Maintenance Instructions**

The Contractor shall maintain on site at each Facility all reference materials, information on equipment warranties and guarantees acquired during the course of maintenance operations, and information furnished to the Contractor by PATH or others, which is pertinent or useful to future maintenance. Such information shall include, but is not limited to, operations and maintenance manuals, catalog cuts, manufacturer's maintenance instructions, shop drawings, sketches and the sources for replacement parts and for qualified service and technical assistance. All such information shall be used by the Contractor as part of its 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 subsystem and maintenance activity. The Contractor shall furnish to PATH, on a periodic basis not to exceed one (1) per year, 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.

## **26. Scheduling of Work**

The Work Order Tracking System (WOTS)/PATH Asset Management System (PAMS) and Maintenance Procedure(s) (MPs) 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/PAMS, which is used to direct, audit and control the operation and maintenance activities at the JSTC and HCMF. The principal components of the WOTS/PAMS include Routine and Non-Routine work orders, Equipment Record Cards and Maintenance Procedures (MPs) as outlined or referenced for mechanical and electrical systems and equipment. MPs are used as a guide in the Contractor's normal preventative maintenance operations at the JSTC and HCMF.

PATH has developed an improved method for processing work orders (PAMS). This system is scheduled to replace the current WOTS system in the near future.

- A. Instructs and directs the Contractor to perform defined tasks at the frequencies and times required by the Superintendent. The Contractor's Maintenance Administrator is required to input the names of the craft persons who will perform the various tasks.
- B. The auto-generated Routine Work order requires the Contractor to report to the 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/her sole discretion, delete, revise, modify work orders or redirect the Contractor to perform other tasks in place of or in addition to those scheduled. The Contractor shall shift personnel to follow the directions of the Superintendent.

## ROUTINE WORK ORDERS

A. Routine Work to be performed by the Contractor shall follow the procedure outlined below:

1. The Contractor shall have daily Routine Work orders autogenerated prior to the close of business on the preceding regularly scheduled workday.
2. The Superintendent will review the Routine Work schedule and will approve the schedule 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 and as directed by the Superintendent.
5. The Superintendent will inspect a representative portion of the work performed by the Contractor.
6. The Contractor will ensure that all materials and/or equipment used or rented and not supplied by PATH receive prior approval of the Superintendent.

B. Inspections conducted by PATH will include, but not be limited to, a review of the following criteria:

1. Quality of the Work

To ensure that the work is being performed according to specified procedures including, but not limited to, applicable building and 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 until the Contractor employs correct and safe procedures.

2. Safe Practices and Procedures

To ensure 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 ensure that work areas and work methods are 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 directed by the Superintendent.

4. Certification of Routine Work Orders

If completed work is judged by PATH 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, and any materials and/or Small Tools used or rented. The Contractor's Maintenance Administrator shall verify completion of the work by signing the appropriate line on the work order. Verification shall indicate that work was performed according to pre-determined standards 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 previously established criteria. 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 Maintenance Clerk using the record filing system determined by PATH for reference 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 direct the Maintenance Administrator to prepare a Non-Routine work order specifying work to be performed and work schedule.
2. Non-Routine work orders will be classified by level 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. Contractor's performance of this work shall 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. Contractor's performance of this work shall 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 into the above categories. Contractor's performance of this work shall 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 level 3 Non-Routine work prior to the close of business on the preceding workday.
5. The Superintendent 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 must be approved by the Superintendent before starting.

7. The Contractor shall perform the work as specified in the WOTS/PAMS.
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 shall ensure that all materials and/or equipment rented or used and not supplied by PATH receive prior approval of the Superintendent before being used.

B. Inspections conducted will include, but not be limited to, a review of the following criteria:

1. Quality of Work

To ensure that the work is being performed according to all applicable procedures, including applicable building and local codes, 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 until the Contractor employs correct and safe procedures.

2. Safe Practices and Procedures

To ensure 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 ensure 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.

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.

4. 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 Maintenance Clerk using the record filing system determined by PATH for reference when the lump sum invoice is presented for payment.

5. Contractor's Initiative

The Contractor shall use initiative to prepare its own work orders if a condition that requires immediate response is observed, 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 the work order and shall immediately schedule the work to be performed. For all approved work identified by the Contractor, a standard PATH Non-Routine work order will be

issued cross-referencing the Contractor's work order.

The procedures specified herein shall in no way alter the Contractor's duties, obligations or responsibilities as specified in the Contract.

## **27. Electronic Sign In-Out System**

PATH employs an electronic hand reading device for the purpose of ascertaining the exact time PATH employees and certain Contractors enter and exit the Facility 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.

## **28. Identification**

PATH will provide for a system of photographic identification and control of the Contractor's employees and those of its subcontractors. Each employee of the Contractor and its subcontractors shall prominently display an identification badge, which at a minimum shall contain the following information: the employee's name, recent photograph and signature of the employee. Updated photographic identifications must be issued with each and every extension of the Contract. Lost or stolen badges shall immediately be reported to the Superintendent. In addition, the Contractor shall ensure that employees who no longer work at the JSTC or HCMF return their badges to the Superintendent upon termination of employment with the Contractor.

## **29. Safety Provisions**

- A. The Contractor shall hold monthly general safety meetings for all of its personnel to remind the personnel of general safety practices, such as the proper use of gloves, goggles, wet-floor signs, cleaning equipment, etc. Such general safety meetings shall not exceed one (1) hour. The Port Authority will provide space for such meetings to be held and Port Authority staff will be available to offer instruction on Port Authority-related subjects.
- B. The Contractor shall provide, within thirty (30) days of Contract award, and at the direction of the Manager or his or her designee thereafter, signage directed at improving workplace safety. The signage shall be posted in designated areas assigned by the Manager and shall include, but is not limited to, Contractor's personnel locker room areas, lunchrooms and offices. The signage shall be changed and updated quarterly upon request by the Manager and shall be at no additional cost to the Port Authority.

## **30. Safe Vehicle Operation**

The Contractor shall perform services in compliance with all Federal Motor Carrier Safety Agency ("FMCSA") regulations. The Contractor shall have in place an overall safety program, a driver's training program, and vehicle maintenance program. Upon request of the Port Authority, the Contractor must provide a written description of the aforementioned safety, training, and maintenance programs, or any other information relating to safety, including but not limited to, results of inspections and actions taken to remedy safety issues and violations.

The Port Authority may evaluate the Contractor's overall safety program, with due regard to the services being performed. The Port Authority reserves the right to request changes in the Contractor's safety, training, and maintenance programs to assure that they are rigorous and effective. In the event the Contractor is subject of an investigation, compliance review, and/or enforcement action related to safety, the Contractor must fully disclose said investigation, compliance review, and/or enforcement action(s) in accordance with the Standard Contract Terms and Conditions, Part III.

### **31. Project Work**

The Contractor shall support the Port Authority's implementation of a new work order tracking system, PATH Asset Management System ("PAMS"). Compensation for such Project Work will be in accordance with the Pricing Sheets which includes, but is not limited to, the purchase of electronic equipment required to maintain the data associated with this system.

Attachment A  
(For Example Only)

<b>HCMF - Filters/Belts and Equipment</b>					
<b>UNIT ID</b>	<b>LOCATION</b>	<b>Filter Quantity</b>	<b>Filter Size</b>	<b>Belt Quantity</b>	<b>Belt Size</b>
AC 1	Mezzanine	2	16x25x4	2	BX71
		4	16x20x4		
AC 11	Mezzanine	1	18x18x1		NB
AC 2	Mezzanine	10	16x25x4	2	BX93
AC 3	Mezzanine	6	25x20x4	2	BX78
				2	BX90
AC 4	Mezzanine	4	16x20x4	2	BX97
		4	20x25x4		
HV 7	Mezzanine	6	20x25x2	2	BX56
HV6	Mezzanine	6	20x25x2	2	BP85
		2	16x25x2		
HV8	Mezzanine	20	20x20x2	2	BX12
HV9	Mezzanine	16	20x25x2	2	BX105
AC5	Mezzanine	12	16x25x4	2	BX105
SF01	Mezzanine	16	20x25x2	2	B124
SF02	Battery Shop Area	8	20x20x2	2	BX 56
HV1	6 track Mezz	6	25x25x2	2	BX56
HV2	6 track Mezz	4	16x20x2	2	BX56

**HCMF - Filters/Belts and Equipment**

UNIT ID	LOCATION	Filter Quantity	Filter Size	Belt Quantity	Belt Size
YXV20	Blowdown Mezz	6	24x24x22 bag	2	BX85
		1	12x24x2 bag		
		6	24x24x2		
		1	12x24x2		
YXV21	Blowdown Mezz	2	24x24x22 bag	2	BX64
		1	12x24x22 bag		
		2	24x24x2		
		1	12x24x2		
YHV22	Blowdown Mezz	6	24x24x22 bag	2	BX85
		2	12x24x22 bag		
		6	24x24x2		
		2	12x24x2		
YHV23	Blowdown Mezz	2	24x24x30 bag	2	BX64
		1	12x24x30 bag		
		2	24x24x2		
		1	12x24x2		
YHV24	Blowdown Mezz	6	24x24x22 bag	2	BX85
		2	12x24x22 bag		
		6	24x24x2		
		2	12x24x2		
YHV25	Blowdown Mezz	2	24x24x22 bag	2	BX64
		1	12x24x22 bag		
		2	24x24x2		
		1	12x24x2		

**HCMF - Filters/Belts and Equipment**

UNIT ID	LOCATION	Filter Quantity	Filter Size	Belt Quantity	Belt Size
YHV26	Blowdown Mezz	6	24x24x22 bag	2	BX85
		2	12x24x22 bag		
		6	24x24x2		
		2	12x24x2		
YHV27	Blowdown Mezz	2	24x24x 22 bag	2	BX64
		1	12x24x22 bag		
		2	24x24x2		
		1	12x24x2		
ACU 6	Tower Mech Rm	4	16x20x4	2	BX71
		2	16x25x4	2	AX55
HV3	Boiler Rm	20	20x20x2	2	BX124
HV4	Fire Pump Rm	8	16x25x2	2	BX64
HV5	Flammable Strg	4	16x20x2	2	BX64
Overhead Doors	All doors except Delivery Track	25 doors 14 filters each	24x24x2		
	Delivery Track	1 door 21 filters	24x24x2		
	Stock room	4 doors 12 filters each	12x24x2		
Exhaust Fans	Upper Roof/Sub 14	6		2	A-71
	Runing Repair Roof	84		1	A
Windmaster	Rotoclone area	4		1	A

Attachment B  
(For Example Only)

**JSTC - Filters/Belts and Equipment**

<b>EQUIPMENT</b>	<b>AMOUNT</b>	<b>SIZE</b>
<b><u>AHU-1</u></b>		
BELTS:	1	B-29 (5L320)
FILTERS:	4	16 X 20 X 2
<b><u>AHV-6</u></b>		
BELTS:	2	5 L 560
FILTERS:	1	24" ROLL FILTERS
<b><u>HU-7</u></b>		
BELTS:	2	B - 79
FILTERS:	1	32" ROLL FILTERS
<b><u>AIR COMPRESSORS</u></b>		
BELTS:	8	B - 112
<b><u>HV8C</u></b>		
BELTS:	2	B - 116
FILTERS:	1	68" ROLL FILTERS
<b><u>HV9C</u></b>		
BELTS:	2	B - 116
FILTERS:	1	68" ROLL FILTERS
<b><u>A/C 6C</u></b>		
BELTS:	2	5 L 560
FILTERS:	1	24" ROLL FILTERS
<b><u>EF-7C</u></b>		
BELTS:	2	A - 100
<b><u>EF-8C</u></b>		
BELTS:	2	B - 88
<b><u>EF-13C</u></b>		
BELTS:	2	B - 97
<b><u>EF-14C</u></b>		
BELTS:	2	B - 97
<b><u>SF-2C</u></b>		
BELTS:	1	5 L 500
FILTERS:	2	20 X 20 X 1
<b><u>SF-1C</u></b>		
BELTS:	2	B 126

<b>JSTC - Filters/Belts and Equipment</b>			
<b><u>EF - 11 C</u></b>			
BELTS:	1	3 L 410	
<b><u>EF - 6 C:</u></b>			
BELTS:	1	3 L 390	
<b><u>EF - 5 C:</u></b>			
BELTS:	1	4 L 540 (A-52)	
<b><u>A/C-9 C</u></b>			
BELTS:	2	5 L 690	
FILTERS:	1	24" ROLL FILTERS	
	2	24X24 BAG FILTERS	
<b><u>A/C - 4 C</u></b>			
BELTS:	2	B - 112	
FILTERS:	1	58" ROLL FILTERS	
<b><u>A/C - 5 C</u></b>			
BELTS:	1	B X 36	
FILTERS:	4	24X24X20 BAG FILTERS	
	2	24X24X2	
	1	24X12X2	
<b><u>HV - 4 C</u></b>			
BELTS:	2	B - 88	
FILTERS:	1	44" ROLL FILTERS	
<b><u>HV - 5 C</u></b>			
BELTS:	2	B - 63	
FILTERS:	1	24" ROLL FILTERS	
<b><u>EF - 12 C</u></b>			
BELTS:	1	4 L 410	
<b><u>RF - 4 C</u></b>			
BELTS:	2	A 80	

<b>JSTC - Filters/Belts and Equipment</b>			
<b><u>RF-5C</u></b>			
BELTS:	1	3 L 460	
<b><u>A/C-2C</u></b>			
BELTS:	2	5 L 700 (3700)	
FILTERS:	1	24" ROLL FILTERS	
<b><u>A/C-3C</u></b>			
BELTS:	3	5 L - 900 (3900)	
FILTERS:	1	58" ROLL FILTER	
	4	12X24X20 BAG FILTERS	
	4	24X24X20 BAG FILTERS	
<b><u>HV-2C</u></b>			
BELTS:	2	3780	
FILTERS:	1	44" ROLL FILTERS	
<b><u>HV-3C</u></b>			
BELTS:	2	5L 780	
FILTERS:	1	32" ROLL FILTERS	
<b><u>EF-10C</u></b>			
BELTS:	1	3 L 400	
<b><u>RF-2C</u></b>			
BELTS:	1	A 52 / 4 L 54	BREAK ROOM CEILING
<b><u>RF-3C</u></b>			
BELTS:	2	A 82	
<b><u>A/C-1C</u></b>			
BELTS:	2	B 112	
FILTERS:	1	58" ROLL FILTERS	
<b><u>A/C-8C</u></b>			
BELTS:	2	B 59	
FILTERS:	1	24" ROLL FILTERS	
<b><u>HV-1C</u></b>			
BELTS:	2	B 29	
FILTERS:	1	24" ROLL FILTERS	

<b>JSTC - Filters/Belts and Equipment</b>			
<b><u>EF-1C</u></b>			
BELTS:	1	A P- 48	
<b><u>EF-2C</u></b>			
BELTS:	1	4 L 420	
<b><u>EF-15C</u></b>			
BELTS:	1	4 L 340	
<b><u>RF-1C</u></b>			
BELTS:	2	A 86	
<b><u>RF-5C</u></b>			
		OUT SERVICE	
<b><u>RF-6C</u></b>			
BELTS:	2	4 L 500	

<b><u>RF-4C</u></b>			
BELTS:	1	4 L 300	
FILTERS:	1	16X28X1	

<b><u>AHU-1A</u></b>			
BELTS:	3	5 V 1000	
PRE FILTERS:	12	24X24X12	
	3	24X12X12	
FILTERS:	12	24X24X2	
	3	24X12X2	

<b><u>AHU-1A</u></b>			
BELTS:	3	5 V 950	
PRE FILTERS:	12	24X24X12	
	3	24X12X12	
FILTERS:	12	24X24X2	
	3	24X12X2	

<b><u>AHU-3A</u></b>			
BELTS:	3	5 V 1230	
PRE FILTERS:	15	24X24X12	
	5	24X12X12	
FILTERS:	15	24X24X2	
	5	24X12X2	

<b><u>AHU-4A</u></b>			
BELTS:	3	5 V X 1120	
PRE FILTERS:	16	24X24X12	
	4	24X12X12	
FILTERS:	16	24X24X2	
	4	24X12X2	

<b>JSTC - Filters/Belts and Equipment</b>			
<b>EF-1A</b>			
BELTS:	1	A - 80	
<b>EF-2A</b>			
BELTS:	1	A - 80	
<b>EF-5A</b>			
BELTS:	1	A - 42	
<b>EF-6A</b>			
BELTS:	1	A - 42	
<b>EF-7A</b>			
BELTS:	1	A - 42	
<b>EF-8A</b>			
BELTS:	1	3 L - 450	
<b>SF-11A</b>			
BELTS:	1	A - 68	
<b>SF-12A</b>			
BELTS:	1	A - 68	
<b>SF-13A</b>			
BELTS:	1	A - 68	
<b>HC-1A</b>			
FILTERS:	6	16X24X2	
<b>HC-2A</b>			
FILTERS:	6	16X24X2	

<b>NOTES</b>			
TYPICAL		24X24X12	
		VARICEL SH STD AF	
TYPICAL		12X24X12	
		VARICEL SH STD AF	
<b>A HU-2</b>			
BELTS:	2	B 38	HALLWAY
FILTERS:	6	16X24X2	
<b>RF</b>			
BELTS:	1	B 43	GUN CLEANING ROOM



<b>JSTC - Filters/Belts and Equipment</b>			
<b><u>FC - 18</u></b>			
BELTS:	1	4 L 430	
FILTERS:	1	23 X 41 3/4 X 1	
<b><u>AHU - 5</u></b>			
BELTS:	1	4 L 410	
FILTERS:	1	16 X 20 X 2 METAL FRAME	
<b><u>AHU - 6</u></b>			
BELTS:	1	4 L 410	
FILTERS:	1	16 X 20 X 2 METAL FRAME	
<b><u>AHU - 7</u></b>			
BELTS:	1	A 46	
FILTERS:	6	12 X 24 X 4	
<b><u>FC - 1</u></b>			
FILTERS:	2	20 X 20 X 1	FILTER AT DIFFUSER
<b><u>FC - 2</u></b>			
FILTERS:	2	20 X 20 X 1	FILTER AT DIFFUSER
<b><u>EF - 3 T</u></b>			
BELTS:	2	5 VX 1800	
<b><u>EF - 4 T</u></b>			
BELTS:	2	5 VX 1800	
<b><u>EF - 7 T</u></b>			
BELTS:	2	5 VX 1800	
<b><u>EF - 8 T</u></b>			
BELTS:	2	5 VX 1800	
<b><u>EF - 11 T</u></b>			
BELTS:	2	4 L 410	
<b><u>EF - 12 T</u></b>			
BELTS:	2	3 L 420	



Attachment C  
(For Example Only)

JSTC FIRE EXTINGUISHERS

#	BUILDING	FLOOR	LOCATION	EXTINGUISHER TYPE
1	TOWER	ROOF	RADIO ROOM	20 PURPLE K
2	TOWER	ROOF	RADIO ROOM	15 LB CO/2
3	TOWER	ROOF	HOSE CABINET	20 LB ABC
4	TOWER	ROOF	HOSE CABINET	15 LB CO/2
5	TOWER	ROOF	HELIPORT	50 LB BC
6	TOWER	ROOF	HELIPORT	50 LB BC
7	TOWER	ROOF	FREIGHT ELEV	10 LB ABC
8	TOWER	ROOF	FREIGHT ELEV	15 LB CO/2
9	TOWER	MECH	ELEV. RM	20 LB. ABC
10	TOWER	MECH	ELEV. RM	10 LB ABC
10A	TOWER	MECH	ELEV. RM	15 LB CO/2
11	TOWER	MECH	MID. ELEV. AREA	15 LB CO/2
12	TOWER	MECH	ELEV. AREA	15 LB CO/2
13	TOWER	MECH	ENTRANCE	15 LB CO/2
14	TOWER	MECH	REAR LEFT	20 LB PURPLE K
15	TOWER	MECH	REAR LEFT	2.5 GAL WTR
16	TOWER	MECH	REAR RIGHT	2.5 GAL WTR
17	TOWER	MECH	REAR RIGHT	20 LB PURPLE K
18	TOWER	MECH	REAR RIGHT	20 LB. ABC
19	TOWER	10	ENTRANCE	2.5 GAL WTR
20	TOWER	10	ENTRANCE	20 LB. ABC
21	TOWER	10	REAR	2.5 GAL WTR
22	TOWER	9	ENTRANCE	2.5 GAL WTR
23	TOWER	9	ENTRANCE	20 LB. ABC
24	TOWER	9	REAR	2.5 GAL WTR
25	TOWER	8	ENTRANCE	20 LB ABC
26	TOWER	8	ENTRANCE	2.5 GAL WTR
27	TOWER	8	REAR	2.5 GAL WTR
28	TOWER	7	ENTRANCE	10 LB ABC
29	TOWER	7	ENTRANCE	2.5 GAL WTR
30	TOWER	7	REAR	20 LB ABC
31	TOWER	6	ENTRANCE	10 LB ABC
32	TOWER	6	ENTRANCE	20 LB PURPLE K
33	TOWER	6	REAR	10 LB ABC
34	TOWER	5	ENTRANCE	20 LB ABC
35	TOWER	5	ENTRANCE	2.5 GAL WTR

JSTC FIRE EXTINGUISHERS

#	BUILDING	FLOOR	LOCATION	EXTINGUISHER TYPE
36	TOWER	5	REAR	20 LB ABC
37	TOWER	4	ENTRANCE	2.5 GAL WTR
38	TOWER	4	ENTRANCE	20 LB ABC
39	TOWER	4	REAR	2.5 GAL WTR
40	TOWER	3	ENTRANCE	20 LB PURPLE K
41	TOWER	3	ENTRANCE	2.5 GAL WTR
42	TOWER	3	REAR	2.5 GAL WTR
44	TOWER	2	ENTRANCE	20 LB PURPLE K
45	TOWER	2	ENTRANCE	2.5 GAL WTR
46	TOWER	2	REAR	10 LB ABC
46A	TOWER	2	COMPUTER TEST	20 LB ABC
47	TOWER	1	ENTRANCE	2.5 GAL WTR
48	TOWER	1	ENTRANCE	20 LB AB
50	TOWER	1	REAR	2.5 GAL WTR
51	TOWER	1	REAR	20 LB ABC
52	PHONE ROOM	CONC	ENTRANCE	15 LB CO/2
53	PHONE ROOM	CONC	WILTEL	15 LB CO/2
54	PHONE ROOM	CONC	WILTEL	15 LB CO/2
55	PHONE ROOM	CONC	SIEMANS	20 LB PURPLE K
56	HOBAN	CONC	LOBBY DOOR	20 LB ABC
57	HOBAN	CONC	ELEC. CLOSET	15 LB CO/2
58	HOBAN	CONC	REAR DOOR	20 LB PURPLE K
59	HOBAN	CONC	KITCHEN	10 LB ABC
59A	HOBAN	CONC	LADIES LOCK RM	20 LB ABC
59B	HOBAN	CONC	TRACKMEN'S LUN	10 LB ABC
60	COM. ROOM	CONC	ENTRANCE	20 LB PURPLE K
61	COM. ROOM	CONC	ENTRANCE	20 LB ABC
62	COM. ROOM	CONC	TRACK SCREEN	15 LB CO/2
65	COM. ROOM	CONC	BEHIND MONITOR	15 LB CO/2
66	COM. ROOM	CONC	BEHIND MONITOR	20 LB CO/2
67	COM. ROOM	CONC	TV SCREEN	15 LB CO/2
68	COM. ROOM	CONC	SIGNAL RELAY	20 LB CO/2
69	COM. ROOM	CONC	SIGNAL RELAY	20 LB PURPLE K
70	COM. ROOM	CONC	SIGNAL RELAY	20 LB CO2
70A	COM. ROOM	DCS	EAST DOOR	10 LB ABC
70B	COM. ROOM	DCS	EAST DOOR	10 LB ABC

JSTC FIRE EXTINGUISHERS

#	BUILDING	FLOOR	LOCATION	EXTINGUISHER TYPE
70C	COM. ROOM	DCS	WEST DOOR	10 LB ABC
70D	COM. ROOM	DCS	WEST DOOR	10 LB ABC
71	MER 236	CONC	DOOR HOBAN	15 LB CO/2
72	MER 236	CONC	EF 10C	20 LB BC
73	SIGNAL	CONC	LOCKER ROOM	2.5 WATER
74	TUCS	CONC	STORE ROOM	2.5 GAL WATER
75	TUCS	CONC	STORE ROOM	10 LB ABC
76	TUCS	CONC	STORE ROOM	10 LB ABC
77	TUCS	CONC	STORE ROOM	10 LB ABC
78	MER 133	CONC	ENTRANCE	20 LB PURPLE K
78A	MER 133	CONC	ENTRANCE	15 LB CO/2
79	MER 315	CONC	ENTRANCE	20 LB ABC
80	MER 315	CONC	CHILLER	10 LB ABC
80A	MER 315	CONC	BATH ENTRANCE	20 LB ABC
80B	BATH MAIL ROOM	CONC	PATH MAIL ROOM	20 LB ABC
81	K & RIDE ELEV	CONC	# 8 ELEV	15 LB CO/2
82	K & RIDE ELEV	CONC	# 8 ELEV	20 LB ABC
83	MAGNOLIA	PLAZA	DOCK	15 LB CO/2
84	MAGNOLIA	PLAZA	DOCK	20 LB PURPLE K
85	MAGNOLIA	PLAZA	DOCK	15 LB CO/2
86	ELEV OFFICE	CONC	ELEV. OFFICE	15 LB CO/2
87	ELEV OFFICE	CONC	ELEV OFFICE	2.5 GAL WATER
88	ELEV OFFICE	CONC	ELEV OFFICE	2.5 GAL WATER
89	ELEV OFFICE	CONC	ELEV OFFICE	20 LB PURPLE K
90	SHOP	CONC	BACK SHOP	10 LB ABC
91	MAINT. HALL	CONC	HALL MAINT	10 LB ABC
92	MAINT. HALL	CONC	HALL MAINT	15 LB CO/2
93	TOOL ROOM	CONC	ENTRANCE	20 LB ABC
95	SWITCH	CONC	SWITCH GEAR	20 LB ABC
96	SWITCH	CONC	SWITCH GEAR	15 LB CO/2
97	ENG. OFFICE	CONC	ENG. OFFICE	2.5 GAL. WATER
98	ENG. OFFICE	CONC	ENG. OFFICE	20 LB PURPLE K
99	ENG. OFFICE	CONC	ENG. OFFICE	2.5 GAL. WATER
100	BOILER ROOM	CONC	BOILER ROOM	20 LB DRY CHEM
101	BOILER ROOM	CONC	FIRE PUMP	20 LB DRY CHEM
102	BOILER ROOM	CONC	WTR PUMP	20 LB ABC

JSTC FIRE EXTINGUISHERS

#	BUILDING	FLOOR	LOCATION	EXTINGUISHER TYPE
103	BOILER ROOM	CONC	BOILER ROOM	20 LB PURPLE K
103A	BOILER ROOM	CONC	BOILER ROOM	20 LB ABC
104	BOILER ROOM	CONC	COND. PUMPS	20 LB ABC
105	BOILER ROOM	CONC	PAINT SHOP	10 ABC
106	BOILER ROOM	CONC	PAINT SHOP	6 LB DRY CHEM
107	PAVONIA DOCK	PLAZA	PAVONIA DOCK	15 LB CO/2
108	BUS TERM	PLAZA	A-1	15 LB CO/2
109	BUS TERM	PLAZA	A-3	15 LB CO/2
110	BUS TERM	PLAZA	A-4	15 LB CO/2
111	BUS TERM	PLAZA	B-1	15 LB CO/2
112	BUS TERM	PLAZA	B-3	15 LB CO/2
113	BUS TERM	PLAZA	B-4	15 LB CO/2
114	BUS TERM	PLAZA	B-4 CLOSET	50 LB DRY CHEM
115	BUS TERM	PLAZA	C-1 CLOSET	50 LB DRY CHEM
116	BUS TERM	PLAZA	C-1	20 LB BC
117	BUS TERM	PLAZA	C-3	15 LB CO/2
119	BUS TERM	PLAZA	D-1	15 LB CO/2
120	BUS TERM	PLAZA	C-4	20 LB BC
121	BUS TERM	PLAZA	D-3	15 LB CO/2
122	BUS TERM	PLAZA	D-4	15 LB CO/2
123	PARKING	1ST LEVEL	WEST MID	15 LB CO/2
124	PARKING	1ST LEVEL	SO. WEST	15 LB CO/2
125	PARKING	1ST LEVEL	NO. WEST	15 LB CO/2
126	PARKING	1ST LEVEL	SO. EAST	15 LB CO/2
127	PARKING	1ST LEVEL	MID EAST	20 LB PURPLE K
128	PARKING	1ST LEVEL	NO. EAST	15 LB CO/2
129	6 & 7 ELEV. R	6 & 7 ELEV F	6 & 7 ELEV. RM	15 LB CO/2
130	6 & 7 ELEV. R	6 & 7 ELEV F	6 & 7 ELEV. RM	10 LB DRY CHEM
133	SECURITY	STATION	LOBBY	20 LB ABC
134	BOILER ROOM	LOAD BANK	ENTRANCE	20 LB PURPLE K
135	BOILER ROOM	LOAD BANK	ENTRANCE	20 LB PURPLE K
136	BOILER ROOM	LOAD BANK	ENTRANCE	20 LB PURPLE K
137	BOILER ROOM	LOAD BANK	ENTRANCE	20 LB PURPLE K
138	POLICE	CONC	HALLWAY	2.5 GAL WATER
139	POLICE	CONC	POLICE KITCHEN	10 LB DRY CHEM
140	POLICE	CONC	STAFF OFFICE	5 LB ABC

JSTC FIRE EXTINGUISHERS

#	BUILDING	FLOOR	LOCATION	EXTINGUISHER TYPE
141	POLICE	CONC	PATROLMEN L/R	10 LB ABC
142	POLICE	CONC	COURT LIASON	10 LB ABC
143	POLICE	CONC	REST PROCESSING	10 LB ABC
144	POLICE	CONC	SGT. LOCK RM	10 LB ABC
145	POLICE	CONC	KITCHEN	10 LB ABC
146	POLICE	CONC	KITCHEN	10 LB ABC
147	POLICE	CONC	KITCHEN	2.5 GAL WATER
148	POLICE	CONC	CELL AREA	5 LB BC
149	MACH TEC SHOP	CONC	SHOP	20 LB ABC
150	TRANSP L/R	CONC	KITCHEN	20 LB ABC
151	POST 2 GUARD	K&R	GUARD BOOTH	10 LB DRY CHEM
152	MOTOR ROOM	14	CONCOURSE	10 LB DRY CHEM
153	MOTOR ROOM	3	FARE ZONE	20 LB ABC C02
154	MOTOR ROOM		FARE ZONE	20 LB DRY CHEM
155	MOTOR ROOM	8	CONCOURSE	10 LB DRY CHEM
156	MOTOR ROOM	6	CONCOURSE	10 LB DRY CHEM
157	MOTOR ROOM	5	CONCOURSE	10 LB DRY CHEM
158	POST 2 GUARD	13	CONCOURSE	10 LB DRY CHEM
159	POLICE		TRAILERS	10 LB ABC
160	POLICE		TRAILERS	10 LB ABC
161	POLICE		TRAILERS	10 LB ABC
162	POLICE		TRAILERS	10 LB ABC
163	POLICE		TRAILERS	10 LB ABC
164	POLICE	ESU	LOCKER ROOM	10 LB ABC
165	POLICE	ESU	LOCKER ROOM	10 LB ABC
166	POLICE	ESU	GARAGE	10 LB ABC
167	POLICE	ESU	GARAGE	10 LB ABC

### HCMF Fire Extinguishers

Equipment	Quantity
150lb ABC	8
20lb CO2	150
20lb ABC	80
20lb Dry Chemical	215
20lb Purple K	80
15lb CO2	50
10lb dry chemical	10
2.5lb Water	150

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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, above.

- 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 of 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 onsite 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 (2) 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 Mezzanine/West
AV #11	6”	328	Upper Mezzanine /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 4<sup>th</sup> level Control Room and the 3<sup>rd</sup>

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level Equipment Room C-303. A 6” water main feeds one 40 H.P./500 GPM fire pump and one (1) 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 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 (1) of a total of four (4) 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 (2) 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 (1) of four (4) 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 (2) 26.4 KV/1200 amp feeders. The service in turn supplies two (2) 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 (2) 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

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of 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 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 trollies 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 excepts) 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 of 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.
- JJ. Construction/Renovation of facility spaces including, but not limited to offices, common areas, etc.

**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	

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ELECTRIC BENCH SHOP

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

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Storage Rack System	MS 90
DC Power Supply	MS 91
Slotter	MS 101
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
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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)

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Wire Guidance System	S	1811	
Dock Leveler	S	1817	(3 units)
Dispensing System	S	1819	
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

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as to ensure their availability, during all times when they may be required. To insure the 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 TURNTABLES – The Heavy Repair and the Truck Shop areas of the Main Repair Shop are equipped with two types of car hoist systems and two (2) types of rail car truck turntables. Four (4) rail car hoists (HR 1101's), consisting of two (2) 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 (4) 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 (2) 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 (3) 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 (2) areas. The system consists of three (3) 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 (3) 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

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pumps. The grease pumps are pneumatically operated and are equipped with airline filters, regulators and lubricators. Five (5) 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 (8) mobile oil collection containers have also been provided, one (1) 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 (2) of the System's oil collection sumps are located in the Blowdown Facility. The remaining six (6) 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 (2) 35-ton, Kranco Cranes; two (2) 10-ton bridge cranes located in the Truck Shop area; three (3) 2-ton bridge cranes located in the Motor Shop, A/C Shop and Compressor Shop; two (2) 3-ton bridge cranes located in the Machine Shop and Wheel and Axle Shop; two (2) 2-ton Jib cranes; two (2) 1-ton Jib cranes; one (2) ½-ton Jib crane, one (1) 1-ton Monorail Crane and one (1) 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

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Blowdown Facility High Pressure Washer System. The boiler is powered by a 480volt, 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 have pressurized water, together with pumped detergent from a 100-gallon storage tank to each of the Blowdown Facility's four (4) 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 (8) 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 (8) mobile oil collection containers have also been provided, one (1) 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

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Systems, Compressed Air Plant, Facility truck cleaning systems, Facility agitating parts washer.

- C. The Contractor shall monitor and administer and maintain all records for the various full of 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 (4) 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 fed, 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:
- 1) Fan belts

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- 2) All lubricants
- 3) Gaskets
- 4) Filters

Rollmatic

<u>Quantity</u>	<u>Size</u>	<u>Bag Type</u> (minimum 80% efficiency)
7	60" X 27"	
1	60" X 48"	
1	72" X 27"	<u>Quantity</u> 70
Deep		<u>Size</u> 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 – 3/4 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.
    - b) Check appearance of fire. Check linkages to be sure they have not moved from their proper station.

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- 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.

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

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

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- 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 (7) 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 (3) years.
  - 8) Brush the absorber tubes, if required, but not more than once every three (3) 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:
- 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.

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

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**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, above.

- 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 24-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 #4500067956) 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.
  - 2) The Contractor shall remove obstructions or obstacles that impede the Johnson Controls Maintenance Contractor's staff in their performance of their maintenance functions.

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- 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 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.

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- 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 carryout 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 be 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 internals and shall furnish the Superintendent or Chief Maintenance Supervisor on a periodic basis not less 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.

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**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 (2) 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 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

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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 sub-contractor 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).
- F. Repair damaged banisters. Refinishing of banisters shall be as required.

APPENDIX B  
SCOPES OF WORK – JOURNAL SQUARE TRANSPORTATION CENTER

- 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.
- Z. The repair of damaged architectural precast units, including patching to match existing finish.

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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.

II. Construction/Renovation of facility spaces including, but not limited to offices, common areas, etc.

**APPENDIX C**

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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 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 ALL AIR FILTERS. 3.) CLEAN COIL.	TRACK #8 WEST	

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ACH-03	47	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGWEST SEASON.	TRACK #7 WEST	
ACH-04	24	6y-W	1	0.5	1.) VISUALLY INSPECT FILTERS TRACK #6 DURINGTHE HEATINGWEST SEASON.	TRACK #6 WEST	
ACH-04	48	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGWEST SEASON.	TRACK #5 WEST	
ACH-05	49	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 TRACL #5 DURINGTHE HEATINGEAST SEASON.	TRACK #5 EAST	
ACH-06	50	1y	1	1	1.) REGREASE MOTOR. (#2TRACL #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 DURINGTHE HEATINGEAST SEASON.	TRACK #6 EAST	
ACH-07	51	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #7 EAST	
ACH-08	52	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #7 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL.	TRACK #7 EAST	

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ACH-09	53	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #8 EAST	
ACH-09	54	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #8 PREMIUM GREASE) 2.) CHANGE EAST ALL AIR FILTERS. 3.) CLEAN COIL.	TRACK #8 EAST	
ACH-10	55	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #9 EAST	
ACH-11	31	6y-W	1	0.5	1.) VISUALLY INSPECT FILTERS TRACK #10DURINGTHE HEATING SEASON	TRACK #10 EAST	
ACH-11	56	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #11 EAST	
ACH-12	57	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #12 EAST	
ACH-13	58	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #13 EAST	

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ACH-14	59	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #14 EAST	
ACH-15	60	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGTRACK SEASON.	DELIVERY TRACK	
ACH-16	61	1y	1	1	1.) REGREASE MOTOR. (#2DELIVERY PREMIUM GREASE) 2.) CHANGE TRACK ALL AIR FILTERS. 3.) CLEAN COIL.	DELIVERY TRACK	
ACH-17	62	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGEAST SEASON.	TRACK #15 EAST	
ACH-18	39	6y-W	1	0.5	1.) VISUALLY INSPECT FILTERS TRACK #16 DURINGTHE HEATINGEAST SEASON.	TRACK #16 EAST	
ACH-18	63	1y	1	1	1.) REGREASE MOTOR. (#2TRACK #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 DURINGTHE HEATINGDOOR #E SEASON.	STOCKROOM	
ACH-19	64	1y	1	1	1.) REGREASE MOTOR. (#2STOCKROOM PREMIUM GREASE) 2.) CHANGE DOOR #E ALL AIR FILTERS. 3.) CLEAN COIL.	#2 STOCKROOM	

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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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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 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-01	79	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-02	70	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	

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ACU-02	80	1y	1	1.5	1.) CLEAN FAN WHEELS ANDMECH. 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 ANDMECH. 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 ANDU/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	

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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	74	6y	1	1.5	1a.) REPLACE FILTERS.2.)A/C 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.		

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ACU-06	84	1y	1	1.5	1.) CLEAN FAN WHEELS AND DRAIN PAN. CLEAN DOWN ENTIRE 37 CTRL T 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	1a.) 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		

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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.		

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**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

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AED-55	3023	2y	1	2	Change battery in AEDSpecial-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 WHENSHOP NECESSARY.		
AVC-02	1014	12y	1	0.5	CHECK FOR PROPER OPERATION, TRACK #7 REPLACE FILTERS WHENWEST NECESSARY.		
AVC-03	1015	12y	1	1	CHECK FOR PROPER OPERATION, HEAVY REPLACE FILTERS WHENREPAIR 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 OFMACHINE LUBRICATIONINTO THE		
AXGR-01	93	4y	1	1	1.) CHECK LEVELNESS OFMACHINE MACHINE. 2.) CHECK HYDRAULIC SHOP FLUID LEVEL. 3.) CHECK COOLANT LEVEL & MIXTURE.		

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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.		

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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, PUMPMACHINE 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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BRP-01	1092	12y	1	3.5	CHECK AIR FILTERS, REPLACE IF MACHINE NECESSARY. CHECK SPINDLE 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 REFERIGERATION 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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CAD-02	695	1w	1	1	1.) CHECK SEPARATOR FORBLR 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.) OIL1ST FLOOR MOTOR WITH 16 DROPS PERBY COKE BEARINGOF SAE #20 NON MACHINE DETERGENT OIL. *****(DO NOT OVERLUBRICATE)*****		
CH-02	110	1y	1	0.5	1.) CLEAN FAN WHEELS. 2.) OILSTAIRWELL C MOTOR WITH 16 DROPS PER BEARINGOF 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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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	11	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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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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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 allTRACK #14 lubrication points for properEAST 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 allTRACK #15 lubrication points for properWEST 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 allTRACK #15 lubrication points for properEAST fluid levels and replenish when necessary.		

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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 allTRACK #16 lubrication points for properWEST 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 allTRACK #16 lubrication points for properEAST fluid levels and replenish when necessary.		

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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.		

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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 OUTBOARDBEARINGS. 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 OUTBOARDBEARINGS.		
COMP-03	1057	12y	1	0.75	CHECK GEAR OIL, GREASEAIR BRAKE FITTINGS, LIMIT SWITCHES AND SHOP ALL CONNECTIONS FOR PROPER OPERATION.		
COMP-04	1058	12y	1	0.75	CHECK GEAR OIL, GREASEAIR BRAKE FITTINGS, LIMIT SWITCHES AND SHOP ALL CONNECTIONS FOR PROPER OPERATION.		
CPMP-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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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 REPAIR COUPLINGS. 3.) LUBRICATESOUTH MOTOR.	HEAVY REPAIR	

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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.) LUBRICATENORTH 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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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 REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR.	MOTOR SHOP	
CR-06	160	12y	1	1.5	1.) INSPECT OPEN GEARS FOR 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.	MACHINE SHOP	
CR-06	169	2y	1	1	1.) CHANGE OIL IN GEARMACHINE REDUCERS 2.) INSPECT GEARED COUPLINGS. 3.) LUBRICATE MOTOR.	MACHINE SHOP	
CR-07	170	2y	1	1	1.) CHANGE OIL IN GEARWHEEL & REDUCERS 2.) INSPECT GEARED SHOP COUPLINGS. 3.) LUBRICATE MOTOR.	WHEEL & AXLE	

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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	

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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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CRJ-13	180	2y	1	1	INSPECT: 1.) HOOKS, SHEAVES &A/C D/C HOUSING. 2.) ALL ELECTRICAL Room WIRING. 3.) TRANSMISSION LUBRICATION. 4.) TROLLEY & SUPPORT STRUCTURE.	AC/DC ROOM	
DESFLT-01	1005	4y	1	1	INSPECT UNIT FOR LEAKSTRACK #6 REPLACE FILTER WHEN REQUIRED CENTER	TRACK #6 CENTER	
DM-01	184	1y	1	1.5	1.) REPLACE CATALYSTBLOWDOWN CARTRIDGE.(CATALYST	BLOWDOWN AREA	
DM-01	181	12y	1	1	1.) INSPECT FILTER (PARTBLOWDOWN #150-E) CHANGEFILTER AREA ONLY WHEN COLOR OF FILTER HAS CHANGED 80 %. ( DELTECH	BLOWDOWN AREA	
DM-01	182	3y	1	1.5	1.) REPLACE FINAL FILTERBLOWDOWN ELEMENT.(FINAL FILTER AREA C20, PRE-FILTER 150E)	BLOWDOWN AREA	
DM-01	183	2y	1	1	INSPECT: 1.) O RINGS IN 4 WAYBLOWDOWN VALVE. 2.) REPLACE VALVEAREA POPPET OR SEAT IFNICKED 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 ANDAIR BRAKE CO INSPECTION ON THE WESTCODE SHOP22 DIGITAL TEST RACK AT THE HARRISION CAR MAINTENCE FACILITY. SEE CONTRACT FOR SPECIFICATIONS.	AIR BRAKE SHOP	

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DTR-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 PROPERBLR RM OPERATION OF THEFLUE 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, THEBURNER & ALL CONTROLS. 2.) TEST ALL SAFETY DEVICES. 3.) CHECK BOILER INPUT AND CHECK FLAMETO ASSURE NORMAL, CLEAN COMBUSTION.	BOILER ROOM	
DWH-01	194	1y	1	1	1.) ASSIST WITH INSPECTION BYBLR 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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DWH-01	187	7w	1	0.5	1.) CONFIRM PILOT FLAME IS BLR RM 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 BYBLR 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 &	BOILE ROOM	
DWH-02	191	12y	1	0.5	1.) CHECK THE PROPERBLR RM OPERATION OF THEFLUE 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 BLR RM BOILER, THEBURNER & ALL CONTROLS. 2.) TEST ALL SAFETY DEVICES. 3.) CHECK BOILER INPUT AND CHECK FLAMETO ASSURE NORMAL, CLEAN COMBUSTION.	BOILER ROOM	
DWH-02	188	7w	1	0.5	1.) CONFIRM PILOT FLAME IS BLR RM 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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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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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 ELECTRICAL1st FLOOR DISTRIBUTION PANELS FOR LOOSE WIRES, RECORD AMP METER READINGS OF ALL PANEL FEEDERS. REPORT ANY DISCREPANCIES TO THE SUPERVISOR.	1ST FLOOR	
EDP-02	1021	1y	1	2	CHECK ALL ELECTRICAL2nd FLOOR DISTRIBUTION PANELS FOR LOOSE WIRES, RECORD AMP METER READINGS OF ALL PANEL FEEDERS. REPORT ANY DISCREPANCIES TO THE SUPERVISOR.	2ND FLOOR	
EDP-03	1022	1y	2	12	CHECK ALL ELECTRICAL3rd FLOOR DISTRIBUTION PANELS FOR LOOSE WIRES, RECORD AMP METER READINGS OF ALL PANEL FEEDERS. REPORT ANY DISCREPANCIES TO THE SUPERVISOR.	3RD FLOOR	
EF-01A	275	4y	2	1.5	1.) LUBRICATE FAN SHAFTBLR RM RF BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.	BOILER ROOM	

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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.	BOILE ROOM ROOF	
EF-01B	276	4y	2	1.5	1.) LUBRICATE FAN SHAFTBLR RM RF BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		
EF-01C	277	4y	2	1.5	1.) LUBRICATE FAN SHAFTBLR RM RF BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		
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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-02	205	12y	2	1	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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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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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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EF-06	282	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-08	284	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 WEARREPAIR 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 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**

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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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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.		

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**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

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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		

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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.		

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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		

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EF-24	302	4y	1	0.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS &COVERS.		

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EF-28	306	4y	1	0.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-31	309	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-31	234	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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EF-32	310	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-32	235	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-33	236	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-33	311	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-34	237	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-34	312	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS &COVERS.		

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EF-35	313	4y	2	1.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARROOF & 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 SHAFTOFFICE AREA BEARINGS. 2.) LUBRICATEROOF MOTOR. 3.) INSPECT ALL WIRING &		
EF-37	240	12y	2	1.5	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-37	315	4y	2	1.5	1.) LUBRICATE FAN SHAFTHEAVY BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-38	316	4y	1	0.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS &COVERS.		

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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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 SHAFTOFFICE AREA BEARINGS. 2.) LUBRICATEROOF 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.		

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EF-42	320	4y	1	1	1.) LUBRICATE FAN SHAFTOFFICE AREA BEARINGS. 2.) LUBRICATEROOF 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 SHAFTA/C SHOP BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		
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 SHAFTGUARD HOUSE BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		
EF-47	249	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-47	325	4y	1	0.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		

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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.		

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**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

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<b>Equipment Number</b>	<b>Routine Number</b>	<b>WO Frequency</b>	<b>Number of Workers</b>	<b>Estimated Hours</b>	<b>Description</b>	<b>Location</b>	<b>Reference</b>
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		

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EF-55	333	4y	1	0.5	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR 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 SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARREPAIR ROOF & PROPER TENSION 3.) CHECK MOTOR FOR EXCESSIVE HEAT. 4.) TIGHTEN UP ALL GUARDS, SUPPORTS &COVERS.		

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EF-58	336	4y	1	1	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR 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 WEARTOWER 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 SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER 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 WEARTOWER & 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 SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-61	263	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-61	340	4y	1	0.5	1.) LUBRICATE FAN SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		

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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 SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER 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 SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER 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 SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER 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.		

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EF-65	344	4y	1	1	1.) LUBRICATE FAN SHAFTTOWER BEARINGS. 2.) LUBRICATEELEVATOR MOTOR. 3.) INSPECT ALL WIRINGROOM & ELECTRICAL		
EF-66	268	12y	1	0.5	1.) CLEAN SCREEN & VENT ON CONTROL ROOF. 2.) CHECK BELT FOR WEARTOWER 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 SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER 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 SHAFTC-109 BEARINGS. 2.) LUBRICATE MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		
EF-68	270	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-68	347	4y	1	0.5	1.) LUBRICATE FAN SHAFTCONTROL BEARINGS. 2.) LUBRICATETOWER MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		

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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.		

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EF-72-153	351	4y	1	1	1.) LUBRICATE FAN SHAFTRUNNING BEARINGS. 2.) LUBRICATEREPAIR ROOF MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-73	1059	12y	1	0.5	1.) LUBRICATE FAN SHAFTCARBODY BEARINGS. 2.) LUBRICATESHOP MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-74	1060	12y	1	0.5	1.) LUBRICATE PUMP & FANCARBODY SHAFT BEARINGS. 2.) LUBRICATELOBBY MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		
EF-75	1061	12y	1	0.5	1.) LUBRICATE FAN SHAFTCARBODY BEARINGS. 2.) LUBRICATESHOP MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-76	1062	12y	1	0.5	1.) LUBRICATE FAN SHAFTHEAVY BEARINGS. 2.) LUBRICATEREPAIR MOTOR. 3.) INSPECT ALL WIRING & ELECTRICAL		
EF-77	1063	12y	1	1	1.) LUBRICATE FAN SHAFTA/C SHOP/ BEARINGS. 2.) LUBRICATEHUMIDIFICAT MOTOR. 3.) INSPECT ALL WIRINGION ROOM & ELECTRICAL		
EF-78	1064	12y	1	0.5	1.) LUBRICATE FAN SHAFTCARBODY BEARINGS. 2.) LUBRICATESHOP / MOTOR. 3.) INSPECT ALL WIRINGFORMANS & ELECTRICAL		
EF-79	1065	12y	1	0.5	1.) LUBRICATE FAN SHAFTAIR BRAKE BEARINGS. 2.) LUBRICATEROOM/THROUG MOTOR. 3.) INSPECT ALL WIRINGH THE WALL & ELECTRICAL		

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EF-80	1066	12y	1	1	1.) LUBRICATE FAN SHAFTTRACK 16 BEARINGS. 2.) LUBRICATEEAST HEAVY MOTOR. 3.) INSPECT ALL WIRINGREPAIR / & ELECTRICAL		
EF-WT(E)	3041	4y	2	1	1.) LUBRICATE FAN SHAFTWheel BEARINGS. 2.) LUBRICATETruing MOTOR. 3.) INSPECT ALL WIRINGBuilding & ELECTRICAL		
EF-WT(E)	3039	12y	2	1	1.) CLEAN SCREEN & VENT ON Wheel ROOF. 2.) CHECK BELT FOR WEARTruing & 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 SHAFTWheel BEARINGS. 2.) LUBRICATETruing MOTOR. 3.) INSPECT ALL WIRINGBuilding & ELECTRICAL		
EF-WT(W)	3040	12y	2	1	1.) CLEAN SCREEN & VENT ON Wheel ROOF. 2.) CHECK BELT FOR WEARTruing & PROPER TENSION 3.) CHECK Building MOTOR FOR EXCESSIVE HEAT. 4.)Roof TIGHTEN UP ALL GUARDS, SUPPORTS &COVERS.		
EJPMP-01	1004	2y	2	4	INSPECT PUMPS FOR PROPEROUTSIDE OPERATION, CHECK ALL FLOATS, STOCKROOM INSPECT ALL ELECTRICALDOOR CONNECTIONS, CHECK INPUT AND LOADING OUTPUT LINES FOR CLOGS.		
EMAP-01	3013	12y	1	2	Turn control switch to off, ELECTRONIC Remove cell and charcoalSHOP filter. Rinse under clear hot water & allow to dry before installing		

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EMLT-6666	989	12y	1	7	1.) TEST PILOT & POWER LIGHTS. BATTERY CHARGER. REFOCUS LIGHT BEAM IF NECESSARY. CHECK OFF AS EACH IS COMPLETED. THIS W.O. REPLACES W.O.'s #'s 00352-00416 EMLT's.		
EMLT-7777	990	2y	1	6	1.) OPEN CONTROL BOX. CHECK & REFERENCE 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		
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)*****		

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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 EXPERATION DATE , REPLACE WHEN NECESSARY, 6 UNITS IN BLOWDOWN, 1 IN PARTS WASHER RM.,1 UNASSIGNEDAREA,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		

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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 DESCREPENCIES 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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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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GOPMP-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		
GOPMP-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		
GOPMP-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 ANDMACHINE FITTING FOR LEAKS AND WEAR, SHOP INSPECT ALL CONTROLS FOR PROPER OPERATION. CHECK HI 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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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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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.		
HTC-01	1019	1y	1	1	CHECK FOR PROPER OPERATION, PASSARELLE 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.		

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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.		

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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.		

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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 EXCES		
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.		

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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.		

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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.		

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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-23	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		

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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.		

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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.		

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HV-27	558	1y	2	2	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		
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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IP-09	566	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-10	567	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-11	568	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-12	569	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-13	570	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-14	571	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-15	572	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
IP-16	573	4y	1	0.5	1.) INSPECT ALL LOUVER AND ROOF GRATE AREASTO PREVENT RESTRICTED AIR FLOW. CLEAN IF		
JENNY	615	12y	1	1.5	VISUALLY INSPECT: 1.) ALL BLOWDOWN HOSE CONNECTIONS. (HIGH & LOWAREA 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 FORWEAR, EXPOSED WIRES, ETC.		

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JS-02	575	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-03	576	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-04	577	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-05	578	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-06	579	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-07	580	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-08	581	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-09	582	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-10	583	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-11	584	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-12	585	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		

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**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

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JS-13	586	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-14	587	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-15	588	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, EXPOSED WIRES, ETC.		
JS-16	589	2y	1	0.5	1.) LUBRICATE WHEELS. 2.) CHECK ELECTRICAL CONNECTIONS FORWEAR, 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 IFNECESSARY. 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 IFNECESSARY. 2.)SHOP CHANGE GEAR CASE OIL. USING MOBILGEAR 626. REFILL SO THAT SIGHT		

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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 & APRONOIL. DO NOT OVER FILL MAXIMUM 3/4OF 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 & APRONOIL. DO NOT OVER FILL MAXIMUM 3/4OF 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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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		

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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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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	y2	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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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 CYLNDER, INSPECT PLATFORM FOR CRACKS		
MOB-LIFT-1	1096	2y	1	3	1)CHECK ALL SAFETY DECALS ALL AREAS INSTALLED & LEDGIBLE, 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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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, GREASEMOTOR 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. SelectCO ANALYZE DATABASES. VERIFY Location... DI INDEXES. ANALYZE LAN.. PERFORMED BY ITD OPERATIONS AND MAINTENANCE SYSTEMS SUPPORT DIVISION.		

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OHD-01	620	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #9 CHAINGEAR MECHANISM. WEST		
OHD-01	644	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #9 CHECK ALL ELECTRICALWEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-02	621	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #8 CHAINGEAR MECHANISM. WEST		
OHD-02	645	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #8 CHECK ALL ELECTRICALWEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-03	622	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #7 CHAINGEAR MECHANISM. WEST		
OHD-03	646	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #7 CHECK ALL ELECTRICALWEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-04	623	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #6 CHAINGEAR MECHANISM. WEST		
OHD-04	647	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #6 CHECK ALL ELECTRICALWEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-05	624	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #5 CHAINGEAR MECHANISM. WEST		

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OHD-05	648	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #5 CHECK ALL ELECTRICALWEST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-06	625	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #5 CHAINGEAR 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 ANDTRACK #6 CHAINGEAR 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 ANDTRACK #7 CHAINGEAR 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 ANDTRACK #8 CHAINGEAR 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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OHD-10	630	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #9 CHAINGEAR MECHANISM. EAST		
OHD-10	653	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 ANDTRACK #10 CHAINGEAR MECHANISM. EAST		
OHD-11	654	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 ANDTRACK #11 CHAINGEAR MECHANISM. EAST		
OHD-12	655	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 ANDTRACK #12 CHAINGEAR MECHANISM. EAST		
OHD-13	656	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #12 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-14	657	4y	1	1	1.) LUBRICATE MOTOR. 2.)TRACK #13 CHECK ALL ELECTRICAL EAST CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		

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OHD-14	634	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #13 CHAINGEAR MECHANISM. EAST		
OHD-15	635	12y	1	1	1.) LUBRICATE DOOR TRACKS ANDTRACK #14 CHAINGEAR 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 ANDDELIVERY CHAINGEAR 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 ANDTRACK #15 CHAINGEAR 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 ANDTRACK #16 CHAINGEAR 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 ANDSTOCKROOM CHAINGEAR MECHANISM.		

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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 ANDSTOCKROOM 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 ANDSTOCKROOM 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 ANDSTOCKROOM 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 ANDSTOCKROOM CHAINGEAR MECHANISM.		

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OHD-24	1034	6y	1	1	1.) LUBRICATE MOTOR. 2.)MACHINE CHECK ALL ELECTRICALSHOP CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-25	1035	6y	1	1	1.) LUBRICATE MOTOR. 2.)STOCKROOM CHECK ALL ELECTRICALENTRANCE CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-26	1036	6y	1	1	1.) LUBRICATE MOTOR. 2.)AIR BRAKE CHECK ALL ELECTRICALSHOP CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-27	1037	6y	1	1	1.) LUBRICATE MOTOR. 2.)BATTERY CHECK ALL ELECTRICALSHOP CONNECTIONS. 3.) CHECK DOOR FOR PROPER OPERATION.		
OHD-28	1038	6y	1	1	1.) LUBRICATE MOTOR. 2.)GROUND FL. CHECK ALL ELECTRICALPASSAGWAY CONNECTIONS. 3.) CHECK DOOR BY ELEVATOR FOR PROPER OPERATION.		
OHD-29	1039	6y	1	0.5	1.) LUBRICATE MOTOR. 2.)ENT TO CHECK ALL ELECTRICALHEAVY 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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OHD-32	3037	12y	1	0.5	1.) LUBRICATE DOOR TRACKS ANDWHEEL CHAINGEAR MECHANISM. TRUING BLDG EAST		
OHD-32	3035	6y	1	0.5	1.) LUBRICATE MOTOR. 2.)WHEEL CHECK ALL ELECTRICALTRUING BLDG CONNECTIONS. 3.) CHECK DOOR EAST FOR PROPER OPERATION.		
OHD-33	3036	6y	1	0.5	1.) LUBRICATE MOTOR. 2.)WHEEL CHECK ALL ELECTRICALTRUING BLDG CONNECTIONS. 3.) CHECK DOOR WEST FOR PROPER OPERATION.		
OHD-33	3038	12y	1	0.5	1.) LUBRICATE DOOR TRACKS ANDWHEEL CHAINGEAR MECHANISM. TRUING BLDG WEST		
OLRS	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 INTRACK SEPERATOR.		
OVEN-01	970	1w	1	0.75	1.) LUBRICATE OVEN CARTMACHINE 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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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 & PROVIDEALL AREAS TECHNICAL SUPPORT FOR THE INSIGHT AT BUILDING MANAGEMENT SYSTEM AT THE HARRISON CAR MAINTENANCE FACILITY I N 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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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 AFEW 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, HYD RAULIC 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 & FANSHEET METAL SHAFT BEARINGS. 2.) LUBRICATESHOP MOTOR. 3.) INSPECT ALL WIRING & ELECTRICALCONTROLS.		

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PBTH-01	672	1y	1	1	1.) CHECK COUPLING & SHAFT SHEET METAL ALIGNMENT. 2.) CHECK PUMP & SHOP MOTOR BEARINGS FORWEAR. 3.) INSPECT & REPLACE STARTER CONTACTS,IF NECESSARY.		
PL-01	1067	1w	1	1	INSPECT UNIT, INCLUDINGBATTERY 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, INCLUDINGELECTRIC BATTERY WATER LEVEL,SHOP ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY		
PL-03	1069	1w	1	1	INSPECT UNIT, INCLUDINGA/C SHOP BATTERY WATER LEVEL, ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY		
PL-04	994	1w	1	1	INSPECT UNIT, INCLUDINGAIR BATTERY WATER LEVEL,COMPRESSOR ELECTRICAL CONNECTIONS AND SHOP BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY		
PL-05	995	1w	1	1	INSPECT UNIT, INCLUDINGSTOCKROOM BATTERY WATER LEVEL, ELECTRICAL CONNECTIONS AND BATTERY CHARGER. INSPECT ALL HYDROLIC HOSES AND LEVELS, GREASE UNIT WHEN NECESSARY		

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PMP-01	673	4y	1	0.5	1.) LUBRICATE PUMP AND MOTOR BOILER ROOM USINGNLGI #2 GREASE.		
PMP-02	674	4y	1	0.5	1.) LUBRICATE PUMP AND MOTOR BOILER ROOM USINGNLGI #2 GREASE.		
PMP-03	675	4y	1	0.5	1.) LUBRICATE PUMP AND MOTOR BOILER ROOM USINGNLGI #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		

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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 FANPLATFORM 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 FANPLATFORM 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		

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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		

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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.		

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RH-16	693	1y	1	0.5	1.) CLEAN ALL FIN TUBES WITH RECEPTIONIS COMPRESSED AIR. T AREA		
RIH-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.		

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ROOF-INS	1090	1w	1	1	INSPECT ROOF SURFACE ALLROOF AREAS REMOVE DEBRIS		
ROTO-01	725	4y	1	2	1.) FLUSH OUT STRAINER. 2.) BLOWDOWN INSPECT SPRAY NOZZLES. 3.) ROOF REMOVE SLUDGE DEPOSITS AT BORDERLINEOF WET & DRY ZONES. CLEAN GASKETSEAL 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 BORDERLINEOF WET & DRY ZONES. CLEAN GASKETSEAL 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 BORDERLINEOF WET & DRY ZONES. CLEAN GASKETSEAL BEFORE CLOSING DOOR.		

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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.		

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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 DRIVESHOP 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		

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SF-02	744	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 FANEAST #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 ANYAREA DEFECTS IN HOLDING TANK		

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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 FROMTRUCK WASH AROUND VENTOPENINGS. 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 FROMTRUCK WASH AROUND VENTOPENINGS. 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.		

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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	1053	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	764	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.		

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TBLE-03	766	1y	1	1	1.) CHK FOR ADEQUATE BEARING TRACK #15 LUBRICATION 2.) INSPECTEAST LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPEROPERATION.		
TBLE-04	767	1y	1	1	1.) CHK FOR ADEQUATE BEARING TRACK #16 LUBRICATION 2.) INSPECT LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPEROPERATION.		
TBLE-05	768	1y	1	1	1.) CHK FOR ADEQUATE BEARING PROGRESSION LUBRICATION 2.) INSPECTTRACK LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPEROPERATION.		
TBLE-06	769	1y	1	0.5	1.) CHK FOR ADEQUATE BEARING DELIVERY LUBRICATION 2.) INSPECTTRACK LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPEROPERATION.		
TBLE-07	770	1y	1	1	1.) CHK FOR ADEQUATE BEARING TRUCK WASH LUBRICATION 2.) INSPECTAREA LUBRICANT FOR CONTAMINANTS. 3.) CHK TELESCOPING PUSHBAR. 4.) CHK LOCK MECHANISM FOR PROPEROPERATION.		
TBS-01	771	1w	1	1	1.) SHAKE FILTERS. 2.) DUMP BLOWDOWN BIN.AREA		
TF-01	772	4y	1	0.5	1.) INSPECT DIRECT DRIVERUNNING ASSEMBLY FORPROPER		

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TF-01	778	1y	1	1	1.) CLEAN FAN WHEELS.RUNNING REPAIR		
TF-02	773	4y	1	0.5	1.) INSPECT DIRECT DRIVERUNNING ASSEMBLY FORPROPER		
TF-02	779	1y	1	1	1.) CLEAN FAN WHEELS.RUNNING REPAIR		
TF-03	774	4y	1	0.5	1.) INSPECT DIRECT DRIVERUNNING ASSEMBLY FORPROPER		
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 DRIVERUNNING ASSEMBLY FORPROPER		
TF-04	781	1y	1	1	1.) CLEAN FAN WHEELS.RUNNING REPAIR		
TF-05	776	4y	1	0.5	1.) INSPECT DIRECT DRIVERUNNING ASSEMBLY FORPROPER		
TF-05	782	1y	1	1	1.) CLEAN FAN WHEELS.RUNNING REPAIR		
TF-06	777	4y	1	0.5	1.) INSPECT DIRECT DRIVERUNNING ASSEMBLY FORPROPER		
TF-06	783	1y	1	1	1.) CLEAN FAN WHEELS.RUNNING REPAIR		
THST-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		

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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 allDELIVERY lubrication points for properTRACK 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 allDELIVERY lubrication points for properTRACK 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.		

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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.		

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TNT-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.		
TNT-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.		
TNT-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.		
TNT-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.		
TNT-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.		
TNT-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.		

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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 & TURNTABLE 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 & TURNTABLE DRIVE 4.) CHK ALL SAFETY DEVICES.		

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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.		

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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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UH-08	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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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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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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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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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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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-30	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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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 UNNASSIGNED COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS.		
UH-36	885	1y	2	2	1.) CLEAN BOTH COILS WITH UNNASSIGNED COIL CLEANER. 2.) LUBRICATE AREA DIVERter DRIVE GEAR.		
UH-37	886	1y	2	2	1.) CLEAN BOTH COILS WITH UNNASSIGNED COIL CLEANER. 2.) LUBRICATE AREA DIVERter DRIVE GEAR.		
UH-37	845	2y	2	1	1.) CLEAN BOTH COILS WITH UNNASSIGNED COMPRESSED AIR 2.) INSPECT AREA DAMPERS, VALVES, ALL PIPE AND PNEUMATIC CONNECTIONS.		

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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 FORTRUING 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 LEVELN/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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		
UPR-02	889	1w	1	1	1.) CHECK BATTERY WATER LEVELN/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS.		

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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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		
UPR-03	890	1w	1	1	1.) CHECK BATTERY WATER LEVELN/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 LOWERINGVALVE & 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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		
UPR-04	891	1w	1	1	1.) CHECK BATTERY WATER LEVELN/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS.		
UPR-05	892	1w	1	1	1.) CHECK BATTERY WATER LEVELN/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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		

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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 LOWERINGVALVE & 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 LOWERINGVALVE & 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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		
UPR-09	897	1w	1	1	1.) CHECK BATTERY WATER LEVEL/N/A & CHARGE. 2.) CHECK ALL ELECTRICAL CONNECTIONS.		

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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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		
UPR-10	898	1w	1	1	1.) CHECK BATTERY WATER LEVELN/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 LOWERINGVALVE & CHECK FOR PROPER OPERATION.		
UPS	3002	6y	1	1	PERFORM MAINTENANCE AND3rd FLOOR CO REPAIRS OF THE22 UNINTERRUPTIBLE POWER SUPPLY SYSTEM AT THE HARRISON CAR MAINTENANCE FACILITY, SEE CONTRACT FOR SPECIFICATIONS.		
VAV 2-01	910	2y	1	1	1.) VISUALLY INSPECT ALLM-341,342 / M3 PNEUMATICCONNECTIONS. 2.Main Corr lo ) LUBRICATE DAMPER LINKAGE & Outside M- CHECK		
VAV 2-02	911	2y	1	1	1.) VISUALLY INSPECT ALLM-329M-PNEUMATIC		
VAV 2-03	912	2y	1	1	1.) VISUALLY INSPECT ALLFORMANSM-PNEUMATIC		
VAV 2-04	913	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.214,215,216 lo ) LUBRICATE DAMPER LINKAGE & Office/Outs CHECK		

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VAV 2-05	915	2y	1	1	1.) VISUALLY INSPECT ALLM-212, 213, M-PNEUMATICCONNECTIONS. 2.Outside M-lo ) LUBRICATE DAMPER LINKAGE & 212 CHECK		
VAV 2-06	916	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.211/Outside lo ) LUBRICATE DAMPER LINKAGE & M-211 CHECK		
VAV 2-07	917	2y	1	1	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.208,209,210 lo ) LUBRICATE DAMPER LINKAGE & /Outside M- CHECK		
VAV 2-08	918	2y	1	1	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.206,207/Out lo ) LUBRICATE DAMPER LINKAGE & side M-207 CHECK		
VAV 2-09	919	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.204,205/Out lo ) LUBRICATE DAMPER LINKAGE & side M-206 CHECK		
VAV 2-10	920	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.203/Outside lo ) LUBRICATE DAMPER LINKAGE & M-203 CHECK		
VAV 2-11	921	2y	1	0.5	1.) VISUALLY INSPECT ALLM-119,120, M-PNEUMATICCONNECTIONS. 2.121/Inside lo ) LUBRICATE DAMPER LINKAGE & M-121 CHECK		
VAV 2-12	922	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.217/Inside lo ) LUBRICATE DAMPER LINKAGE & M-217 CHECK		

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VAV 3-01	923	2y	1	1	1.) VISUALLY INSPECT ALLM-333 Mens M-PNEUMATICCONNECTIONS. 2.Locker/M-lo ) LUBRICATE DAMPER LINKAGE & 334 Toilet CHECK		
VAV 3-02	924	2y	1	1	1.) VISUALLY INSPECT ALLM-333 Mens M-PNEUMATICCONNECTIONS. 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-PNEUMATICCONNECTIONS. 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-PNEUMATICCONNECTIONS. 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-PNEUMATICCONNECTIONS. 2.351,		
VAV 4-04	931	2y	1	1	1.) VISUALLY INSPECT ALLM-346//M- M-PNEUMATICCONNECTIONS. 2.349 Rear lo ) LUBRICATE DAMPER LINKAGE & CHECK		
VAV 4-05	932	2y	1	1	1.) VISUALLY INSPECT ALLM-356/M-351 M- PNEUMATICCONNECTIONS. 2. lo ) LUBRICATE DAMPER LINKAGE & CHECK		

**APPENDIX C**

**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE HARRISON CAR MAINTENANCE FACILITY**

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<b>Equipment Number</b>	<b>Routine Number</b>	<b>WO Frequency</b>	<b>Number of Workers</b>	<b>Estimated Hours</b>	<b>Description</b>	<b>Location</b>	<b>Reference</b>
VAV 4-06	933	2y	2	1	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 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- PNEUMATICCONNECTIONS. 2. lo ) LUBRICATE DAMPER LINKAGE & CHECK		
VAV 5-01	935	2y	1	1	1.) VISUALLY INSPECT ALLM- En PNEUMATICCONNECTIONS. 2.307/Enginee ac ) LUBRICATE DAMPER LINKAGE & ring Office CHECK		
VAV 5-02	936	2y	1	0.5	1.) VISUALLY INSPECT ALLM-308/M-308 M- PNEUMATICCONNECTIONS. 2.Lab/Storage lo ) LUBRICATE DAMPER LINKAGE & CHECK		
VAV 5-03	937	2y	1	0.5	1.) VISUALLY INSPECT ALLM-312/M-312 M- PNEUMATICCONNECTIONS. 2.Quality		
VAV 5-04	938	2y	1	1	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 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 PNEUMATICCONNECTIONS. 2.322,323,324 ac ) LUBRICATE DAMPER LINKAGE & ,325/Recpt. CHECK		
VAV 5-07	941	2y	1	1	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.309,317,319 lo ) LUBRICATE DAMPER LINKAGE & ,321/Inside CHECK		

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VAV 5-08	942	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.320/Inside lo ) LUBRICATE DAMPER LINKAGE & M-320 CHECK		
VAV 5-08A	943	2y	1	0.5	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 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- PNEUMATICCONNECTIONS. 2. lo ) LUBRICATE DAMPER LINKAGE & CHECK		
VAV 5-10	945	2y	1	0.5	1.) VISUALLY INSPECT ALLM-316 Lunch M- PNEUMATICCONNECTIONS. 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-PNEUMATICCONNECTIONS. 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- PNEUMATICCONNECTIONS. 2.Ceiling		
VAV 5-14	949	2y	1	1	1.) VISUALLY INSPECT ALLM- M-PNEUMATICCONNECTIONS. 2.156/Inside lo ) LUBRICATE DAMPER LINKAGE & M-156 CHECK		
VAV 5-15	950	2y	1	1	1.) VISUALLY INSPECT ALLM-137,138 PNEUMATICCONNECTIONS. 2.Stockroom/I ) LUBRICATE DAMPER LINKAGE & nside M-136 CHECK		
VAV 5-16	951	2y	1	1	1.) VISUALLY INSPECT ALLM-136M-PNEUMATIC		

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VAV 5-17	952	2y	1	1	1.) VISUALLY INSPECT ALLM-132,134 M-PNEUMATICCONNECTIONS. 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, GREASEMOTOR SHOP FITTINGS, LUBRICATE CHAIN DRIVERS, CHECK LIMIT SWITCHES, CHECK SYSTEM IS IN PROPER WORKING ORDER. CHECK THAT ALL OVERHEAD LIGHTS ARE IN WORKIING ORDER.		
VSS-02	1032	12y	1	1	CHECK GEAR BOXES, GREASEMOTOR SHOP FITTINGS, LUBRICATE CHAIN DRIVERS, CHECK LIMIT SWITCHES, CHECK SYSTEM IS IN PROPER WORKING ORDER. CHECK THAT ALL OVERHEAD LIGHTS ARE IN WORKIING ORDER.		
VSS-03	1033	12y	1	1	CHECK GEAR BOXES, GREASEA.C./SHP FITTINGS, LUBRICATE CHAIN DRIVERS, CHECK LIMIT SWITCHES, CHECK SYSTEM IS IN PROPER WORKING ORDER. CHECK THAT ALL OVERHEAD LIGHTS ARE IN WORKIING ORDER.		
VTL-01	3007	2y	1	1	REPLACE BACK UP BATTERY IN WHEEL & DISPLAY AND IN UNIT AXLE SHOP		

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VTL-01	957	2y	1	3.5	1.) CLEAN ENTIRE MACHINE WITHWHEEL & 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 PRESSUREWHEEL & SWITCHES. 2.) CHK TABLE SPEEDAXLE 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 SAFETYWHEEL & 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, FACEPLATEDRIVE GEARS, CHUTE TRAVERSE BOXES & HEAD TRAVERSE BOXES. 2.) CHECK TOOLSIDE 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.		

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WL-01	3004	2y	1	1.5	REPLACE BACK UP BATTERY ON WHEEL & WHEEL LATHE - TWICE A YEAR - AXLE SHOP JANUARY & JULY		
WP-01	1017	1w	1	2	CHECK HYDRAULIC FLUID AND ALLWHEEL & 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		
WTRMTR-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**

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<b>EQUIP. NO.</b>	<b>ROUTINE NO.</b>	<b>W.O. FREQ.</b>	<b>NO. OF WORKERS</b>	<b>EST. HOURS</b>	<b>DESCRIPTION</b>	<b>LOCATION</b>	<b>REFERENCE</b>
AC-1A	1	1y	2	12.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 4
AC-1A	2	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
AC-1A	3	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 5
AC-1C	13	1y	2	16.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 315- CONCOURSE (C315)	MPC 4
AC-1C	14	1y	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
AC-2A	4	1y	2	12.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 4
AC-2A	5	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1

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AC-2A	6	Y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 5
AC-2C	16	1y	2	10.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 236 CONCOURSE (C236)	MPC 4
AC-2C	17	1y	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
AC-3A	7	1y	2	12.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 4
AC-3A	8	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
AC-3A	9	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 5
AC-3C	19	1y	2	12.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 236 CONCOURSE (C236)	MPC 4.

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AC-3C	20	1y	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
AC-4A	10	1y	2	12.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 4
AC-4A	11	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
AC-4A	12	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 5
AC-4C	22	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 133 CONCOURSE (C133)	MPC 4 .
AC-4C	24	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 133 CONCOURSE (C133)	MPC 5
AC-5A	939	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	NOC/SOC 2 <sup>ND</sup> FLOOR	MPC 1
AC-5A	940	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	NOC/SOC 2 <sup>ND</sup> FLOOR	MPC 4

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AC-5C	25	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 133 CONCOURSE (C133)	MPC 4
AC-5C	26	1y	2	4.00	SERVICE AIR HANDLING UNIT & PREPARE FOR SUMMER COOLING SEASON.	MER 133 CONCOURSE (C133)	MPC 1
AC-5C	27	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 133 CONCOURSE (C133)	MPC 5
AC-6A	941	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	NOC/SOC 2 <sup>ND</sup> FLOOR	MPC 1
AC-6A	942	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	NOC/SOC 2 <sup>ND</sup> FLOOR	MPC 4
AC-6C	28	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	BOILER ROOM CONCOURSE (C9,C10)	MPC 4
AC-6C	29	1y	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

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AC-7A	943	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	NOC/SOC 2 <sup>ND</sup> FLOOR	
AC-7A	944	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	NOC/SOC 2 <sup>ND</sup> FLOOR	
AC-8A	966	1y	2	4.00	CHECK A/C UNIT FOR PROPER OPERATION. CLEAN CONDENSER COIL USING COIL CLEANER AS REQUIRED.	PENTHOUSE ELEV. 6 & 7	
AC-8C	31	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER 315 CONCOURSE (C315)	MPC 4
AC-8C	32	1y	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
AC-9C	34	1y	2	8.00	SERVICE AIR HANDLING UNIT & PREPARE FOR WINTER HEATING SEASON.	MER R-10 CONCOURSE	MPC 4.
AC-9C	35	1y	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
AC-10C	37	1y	2	6.00	SERVICE AIR HANDLING UNIT &	BOILER UTILITY	MPC 4

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					PREPARE FOR WINTER HEATING SEASON.	ROOMS (C11,C12,C13)	
AC-10C	38	1y	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.
AV-9A	72	1y	2	4.00	SERVICE REHEAT COILS.	1 <sup>ST</sup> FLOOR OFFICE BLDG.	MPC 6
AV-10A	73	1y	2	4.00	SERVICE REHEAT COILS.	1 <sup>ST</sup> FLOOR CLOSET	MPC 6
AV-11A	74	1y	2	4.00	SERVICE REHEAT COILS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 6
B-1C-A	800	1w-W	1	1.00	FUNCTIONAL CHECK OF BOILER OPERATION.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28B.
B-1C-A	801	6y-W	1	1.00	SERVICE BOILER.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28D
B-1C-A	802	6y-W	1	1.00	SERVICE BOILER.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28D

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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)	
B-1C-A	803	1y	1	1.00	BOILER CHANGEOVER (SUMMER/WINTER).	BOILER ROOM CONCOURSE (C9,C10)	MPC 28E
B-1C-A	804	1y	2	88.00	OVERHAUL BOILER (CLEAN, INSPECT, AND REPAIR).	BOILER ROOM CONCOURSE (C9,C10)	MPC 25
B-2C	80	1w	1	1.00	FUNCTIONAL CHECK OF BOILER OPERATION.	BOILER ROOM CONCOURSE (C9,C10)	MPC 25
B-2C-A	805	1w-W	1	1.00	FUNCTIONAL CHECK OF BOILER OPERATION.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28B
B-2C-A	806	6y-W	1	1.00	SERVICE BOILER.	BOILER ROOM CONCOURSE	MPC 28C

**APPENDIX D**

**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

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<b>EQUIP. NO.</b>	<b>ROUTINE NO.</b>	<b>W.O. FREQ.</b>	<b>NO. OF WORKERS</b>	<b>EST. HOURS</b>	<b>DESCRIPTION</b>	<b>LOCATION</b>	<b>REFERENCE</b>
						(C9,C10)	
B-2C-A	807	6y-W	1	1.00	SERVICE BOILER.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28D.
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)	
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
B-2C-A	809	1y	2	88.00	OVERHAUL BOILER (CLEAN, INSPECT, AND REPAIR).	BOILER ROOM CONCOURSE (C9,C10)	MPC 25 &
B-3C-A	810	1w-W	1	1.00	FUNCTIONAL CHECK OF BOILER OPERATION.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28B
B-3C-A	811	6y-W	1	1.00	SERVICE BOILER.	BOILER ROOM	MPC 28C

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						CONCOURSE (C9,C10)	
B-3C-A	812	6y-W	1	1.00	SERVICE BOILER.	BOILER ROOM CONCOURSE (C9,C10)	MPC 28D.
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
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
B-3-CA	814	1y	2	88.00	OVERHAUL BOILER (CLEAN, INSPECT, AND REPAIR).	BOILER ROOM CONCOURSE (C9,C10)	MPC 25

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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
BG-3	726	6y	1	1.00	CHECK BATTERIES AND ASSOCIATED CHARGES.	MER 11-1-OFFICE TOWER 11 <sup>TH</sup> FLOOR	
BG-4	727	6y	1	1.00	CHECK BATTERIES AND ASSOCIATED CHARGES.	MER 11-1-OFFICE TOWER 11 <sup>TH</sup> 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 <sup>TH</sup> FLOOR	
BRP-1	94	y3	2	4.00	SERVICE BOILER ELECTRICAL PANEL.	BOILER ROOM CONCOURSE (C9,C10)	MPC 304

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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
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
CA-2C	99	1y	1	2.00	INSPECT AND LUBRICATE MOTOR.	SPRINKLER ROOM PLAZA (P20)	
CA-3C	100	1y	1	4.00	INSPECT & SERVICE COMPRESSED AIR UNITS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 26
CA-3C	101	1y	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

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CA-4C	103	1y	1	3.00	INSPECT & SERVICE COMPRESSED AIR UNITS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 26
CA-4C	104	1y	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	1y	2	16.00	ERECT CHRISTMAS DECORATIONS.	FACILITY	
CD-01	108	1y	2	16.00	DISMANTLE CHRISTMAS DECORATIONS.	FACILITY	
CH-4C	109	1y	1	2.00	TEST RUN AND SERVICE EMERGENCY LIQUID CHILLER/AIR COOLER.	MER 315 CONCOURSE (C315)	MPC 22
CH-5C	978	1y	1	2.00	TEST RUN AND SERVICE EMERGENCY LIQUID CHILLER/AIR COOLER.	PARKING LOT –VIP ST. LEVEL	
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/HVAC 20 RISER DIAG

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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
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)	

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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	600	TRIP TEST DRY VALVES.	SPRINKLER ROOM PLAZA (P20)	MPC 204
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

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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
DV-8-A	839	y3	2	12.00	TRIP & OVERHAUL DRY VALVES.	SPRINKLER ROOM PLAZA (P20)	MPC 205

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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	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
EF-1A	140	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
EF-1C	141	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 315 CONCOURSE (C315)	MPC 16
EF-1C	142	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 315 CONCOURSE (C315)	MPC 1
EF-1-T-A	850	1y	2	6.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16
EF-1-T-A	851	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-2A	145	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
EF-2A	146	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND	MER 11-1 OFFICE TOWER	MPC 1

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					ASSOCIATED MOTOR.	11 <sup>TH</sup> FLOOR	
EF-2C	147	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 315 CONCOURSE (C315)	MPC 16
EF-2C	148	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 315 CONCOURSE (C315)	MPC 1
EF-2-T-A	852	1y	2	6.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16
EF-2-T-A	853	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-3C	151	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	HOBAN CONTROL CENTER CONCOURSE (C232)	MPC 16
EF-3C	152	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	HOBAN CONTROL CENTER CONCOURSE (C232)	MPC 1
EF-3-T-A	854	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT ROOF	MPC 16
EF-3-T-A	855	1y	2	16.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT ROOF	MPC 1
EF-4C	155	1y	2	8.00	MAINTAIN, AND LUBRICATE	HOBAN CONTROL	MPC 16

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					ALL FANS AND ASSOCIATED MOTORS.	CENTER CONCOURSE (C232)	
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
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 <sup>TH</sup> FLOOR	MPC 16
EF-5A	160	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
EF-5A-T-A	858	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-5A-T-A	859	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-5B-T-A	860	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16

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EF-5B-T-A	861	1y	2	3.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-5C	165	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	JANITORIAL LOCKER ROOMS & STORAGE CON. (C126)	MPC 16
EF-5C	166	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	JANITORIAL LOCKER ROOMS & STORAGE CON. (C126)	MPC 1
EF-6A	167	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
EF-6A	168	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
EF-6A-T-A	862	1y	2	6.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16
EF-6A-T-A	863	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-6B-T-A	864	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16
EF-6B-T-A	865	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-6C	173	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED	JANITORIAL LOCKER ROOMS &	MPC 16

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					MOTORS.	STORAGE CON. (C126)	
EF-6C	174	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	JANITORIAL LOCKER ROOMS & STORAGE CON. (C126)	MPC 1
EF-7A	175	1y	2	6.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
EF-7A	176	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
EF-7C	177	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 16
EF-7C	178	1y	2	8.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
EF-7-T-A	866	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT ROOF	MPC 1.
EF-7-T-A	867	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT ROOF	MPC 1
EF-8A	181	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-3 TOWER ROOF FAN ROOF	MPC 16

**APPENDIX D**

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EF-8A	182	1y	2	8.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 11-3 TOWER ROOF FAN ROOM	MPC 1
EF-8C	183	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 16
EF-8C	184	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
EF-8-T-A	868	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT ROOF	MPC 16
EF-8-T-A	869	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT ROOF	MPC 1
EF-9-T-A	870	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1ST LEVEL	MPC 16
EF-9-T-A	871	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-10-C	189	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 236 CONCOURSE (C236)	MPC 16
EF-10-C	190	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 236 CONCOURSE (C236)	MPC 1

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EF-10-T-A	872	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16
EF-10-T-A	873	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
EF-11-C	193	1y	2	8.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 16
EF-11-C	194	1y	2	3.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
EF-11-T-A	874	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT ROOF	MPC 16
EF-11-T-A	875	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT ROOF	MPC 1
EF-12-C	197	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 133 CONCOURSE (C133)	MPC 16
EF-12-C	198	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 133 CONCOURSE (C133)	MPC 1

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EF-13C	199	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 16
EF-13C	200	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
EF-13-T-A	876	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT ROOF	MPC 16
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
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
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

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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
EF-15-T-A	881	1y	2	8.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT ROOF	MPC 1
EF-16-A	211	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	ROOF OFFICE BLDG.	MPC 16
EF-16-A	212	1y	2	2.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	ROOF OFFICE BLDG.	MPC 1
EF-16-C	213	1y	2	6.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT OFFICE AREA	MPC 16
EF-16-C	214	1y	2	8.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	PARKING LOT OFFICE AREA	MPC 1
EF-17-A	215	1y	2	4.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	ROOF OFFICE BLDG.	MPC 16

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EF-17-A	216	1y	2	3.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	ROOF OFFICE BLDG.	MPC 1
EF-17-C	217	1y	2	3.00	MAINTAIN, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	CONCOURSE AREA	MPC 16
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 <sup>TH</sup> FLOOR	MPC 16
EF-18-A	220	1y	2	4.00	INSPECT, MAINTAIN, AND LUBRICATE FANS AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> 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 <sup>TH</sup> 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 <sup>TH</sup> FLOOR	

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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
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 <sup>TH</sup> 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 <sup>TH</sup> 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 <sup>TH</sup> FLOOR	MPC 12
ET-3C	230	y2	2	14.00	SERVICE EXPANSION TANKS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 12

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ET-4A	231	y2	2	14.00	SERVICE EXPANSION TANKS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> 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 <sup>TH</sup> FLOOR	MPC 12
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 <sup>TH</sup> FLOOR	MPC 12
ET-7A	236	y2	2	14.00	SERVICE EXPANSION TANKS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 12
ET-8A	237	y2	2	14.00	SERVICE EXPANSION TANKS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> 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
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

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FC-2	241	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 133 CONCOURSE (C133)	MPC 4
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
FC-3	244	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 133 CONCOURSE (C133)	MPC 4.
FC-3	245	1y	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
FC-4	247	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 315 CONCOURSE (C315)	MPC 4.
FC-4	248	1y	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

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FC-5	250	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	PATH MAILROOM	MPC 4.
FC-5	251	1y	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
FC-13	274	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	POLICE ESU UNIT PLAZA (P23A)	MPC 4
FC-13	275	1y	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
FC-13A	277	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	POLICE ESU UNIT PLAZA (P23A)	MPC 4
FC-13A	278	1y	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
FC-18	286	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER	PATH POLICE LOCKER ROOM	MPC 4

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					HEATING SEASON.		
FC-18	287	1y	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
FC-23	686	1y	2	12.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	SID AREA - PLAZA	MPC 321
FC-23	687	1y	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	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	POLICE DESK PATH CONCOURSE (C3)	
FC-24	693	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	POLICE DESK PATH CONCOURSE (C3)	
FC-24	694	1y	2	16.00	OVERHAUL AIR HANDLING UNIT.	POLICE DESK PATH CONCOURSE (C3)	
FC-26	925	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	TURNSTILE MECH. SHOP-CONCOURSE (C139)	MPC 1

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FC-26	926	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	TURNSTILE MECH. SHOP-CONCOURSE (C139)	MPC 4
FC-26	927	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	TURNSTILE MECH. SHOP-CONCOURSE (C139)	
FC-27	928	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	TURNSTILE MECH. SHOP-CONCOURSE (C139)	
FC-27	929	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	TURNSTILE MECH. SHOP-CONCOURSE (C139)	MPC 4
FC-27	930	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	TURNSTILE MECH. SHOP-CONCOURSE (C139)	MPC 4
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
FE-01	292	1y	1	24.00	INSPECT FIRE EXTINGUISHERS.	FACILITY	MPC 214

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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
FP-1C	296	1y	1	4.00	SERVICE FIRE PUMP.	BOILER ROOM CONCOURSE (C9,C10)	
FP-1C	297	1y	1	4.00	CAPACITY TEST FIRE PUMPS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 209
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
FP-1P	300	1y	1	4.00	SERVICE FIRE PUMP.	SPRINKLER ROOM PLAZA (P20)	
FP-1P	301	1y	1	10.00	CAPACITY TEST FIRE PUMPS.	SPRINKLER ROOM PLAZA (P20)	MPC 209

**APPENDIX D**

**ROSTER OF ROUTINES FOR THE MAINTENANCE OF THE JOURNAL SQUARE TRANSPORTATION CENTER**

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<b>EQUIP. NO.</b>	<b>ROUTINE NO.</b>	<b>W.O. FREQ.</b>	<b>NO. OF WORKERS</b>	<b>EST. HOURS</b>	<b>DESCRIPTION</b>	<b>LOCATION</b>	<b>REFERENCE</b>
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 <sup>TH</sup> FLOOR	
G-4	730	6y	1	1.00	TEST AND RUN NATURAL GAS GENERATOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	
GEN-LFT	937	y2	1	2.00	PERFORM BIENNIAL MAINTENANCE LUBRICATION AND TESTING ON GENL ELECTRIC PERSONNEL LIFT.	ALL AREAS	
GREASE TRAP	305	1w	1	1.00	INSPECT DELI PLUS GREASE TRAP FOR CLEANLINESS.	DELI PLUS CONCOURSE (C15,C15A)	
HC-1A	306	1y	2	8.00	SERVICE HEATING COILS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 6.
HC-2A	307	1y	2	12.00	SERVICE HEATING COILS.	MER 11-1 OFFICE	MPC 6

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						TOWER 11 <sup>TH</sup> FLOOR	
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
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

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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.
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
HV-2C	315	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 236 CONCOURSE (C236)	MPC 4
HV-2C	316	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	MER 236 CONCOURSE (C236)	MPC 1
HV-2C	317	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 236 CONCOURSE (C236)	MPC 5.
HV-3C	318	1y	2	12.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 236 CONCOURSE (C236)	MPC 4.
HV-3C	319	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	MER 236 CONCOURSE (C236)	MPC 1

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HV-3C	320	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 236 CONCOURSE (C236)	MPC 5
HV-4C	321	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 133 CONCOURSE (C133)	MPC 4
HV-4C	322	1y	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
HV-5C	324	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	MER 133 CONCOURSE (C133)	MPC 4
HV-5C	325	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	MER 133 CONCOURSE (C133)	
HV-5C	326	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	MER 133 CONCOURSE (C133)	MPC 5
HV-6C	327	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	BOILER UTILITY ROOMS (C11,C12,C13)	MPC 4
HV-6C	328	1y	2	4.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	BOILER UTILITY ROOMS (C11,C12,C13)	

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HV-6C	329	y7	2	2.00	OVERHAUL AIR HANDLING UNIT.	BOILER UTILITY ROOMS (C11,C12,C13)	MPC 5
HV-7C	330	1y	2	10.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	BOILER UTILITY ROOMS (C11,C12,C13)	MPC 4
HV-7C	331	1y	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
HV-9C	336	1y	2	6.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR WINTER HEATING SEASON.	BOILER UTILITY ROOMS (C11,C12,C13)	MPC 4
HV-9C	337	1y	2	8.00	SERVICE AIR HANDLING UNIT AND PREPARE FOR SUMMER COOLING SEASON.	BOILER UTILITY ROOMS (C11,C12,C13)	
HV-9C	338	y7	2	6.00	OVERHAUL AIR HANDLING UNIT.	BOILER UTILITY ROOMS (C11,C12,C13)	MPC 5
HWC-1	339	1y	2	2.00	SERVICE PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
HWC-1	340	1y	1	0.50	INSPECT, MAINTAIN AND LUBRICATE PUMP AND	BOILER ROOM CONCOURSE	

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					ASSOCIATED MOTOR.	(C9,C10)	
HWC-1	341	y5	1	6.00	OVERHAUL PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 9
HWC-2	342	1y	1	2.00	SERVICE PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
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
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
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

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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 <sup>TH</sup> FLOOR	
HX-1A	348	y4	2	42.00	INSPECT AND OVERHAUL HEAT EXCHANGER.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 13
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
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 <sup>TH</sup> FLOOR	
HX-2A	352	y4	2	42.00	INSPECT AND OVERHAUL HEAT EXCHANGER.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 13

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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
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 <sup>TH</sup> FLOOR	
HX-3A	356	y4	2	42.00	INSPECT AND OVERHAUL HEAT EXCHANGER.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 13
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 <sup>TH</sup> FLOOR	
HX-4A	358	y4	2	42.00	INSPECT AND OVERHAUL HEAT EXCHANGER.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 13

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INT PLEN	359	1y	2	2.00	INSPECT AND CLEAN AS REQUIRED HELIPORT INTAKE PLENUM.	ROOF-OFFICE BLDG.	
INT-SRN-1	935	1y	2	3.00	CLEAN AIR INTAKE SCREEN AND REMOVE ANY DEBRIS PRESENT IN PLENUM	MER 133-CONCOURSE-(133)	
INT-SRN-2	936	1y	2	3.00	CLEAN AIR INTAKE SCREEN AND REMOVE ANY DEBRIS PRESENT IN PLENUM	MER 236-CONCOURSE-(236)	
IU-1-1	360	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	1 <sup>ST</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-2	361	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	2 <sup>ND</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-3	362	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	3 <sup>RD</sup> FLOOR OFFICE BLDG	MPC 7
IU1-4	363	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	4 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-5	364	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	5 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-6	365	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	6 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7

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IU-1-7	366	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	7 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-8	367	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	8 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-9	368	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	9 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-1-10	369	1y	2	16.00	SERVICE NORTH INDUCTION UNITS.	10 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-1	370	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	1 <sup>ST</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-2	371	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	2 <sup>ND</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-3	372	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	3 <sup>RD</sup> FLOOR OFFICE BLDG	MPC 7
IU-2-4	373	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	4 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-5	374	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	5 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-6	375	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	6 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-7	376	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	7 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-8	377	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	8 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7

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IU-2-9	378	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	9 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
IU-2-10	379	1y	2	16.00	SERVICE SOUTH INDUCTION UNITS.	10 <sup>TH</sup> FLOOR OFFICE BLDG.	MPC 7
JP-1C	380	1y	1	2.00	SERVICE FIRE & SPRINKLER JOCKEY PUMPS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 210, 211
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
JP-2P	383	1y	1	2.00	SERVICE FIRE & SPRINKLER JOCKEY PUMPS.	SPRINKLER ROOM PLAZA (P20)	MPC 210, 211
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
JSTC	386	7w	1	8.00	DAILY WATCH TOUR (11PM-7AM).	ALL AREAS	MPC 28A
JSTC	387	7w	1	8.00	DAILY WATCH TOUR (7AM-3PM).	ALL AREAS	MPC 28A
JSTC	388	7w	1	8.00	DAILY WATCH TOUR (3PM-11PM).	ALL AREAS	MPC 28A

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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 <sup>ST</sup> LEVEL	
LA-06A	399	y2	2	21.00	CLEAN & GROUP RELAMP	KISS & RIDE	

**APPENDIX D**

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					METAL HALIDE LIGHTING FIXTURES.		
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	1y	2	14.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	FARE ZONE AREA	
LA-08C	977	1y	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	

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LA-12A	409	y2	2	14.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	BOILER ROOM CONCOURSE (C9,C10)	
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 <sup>ST</sup> FLOOR OFFICE BLDG.	
LA-16	417	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	2 <sup>ND</sup> FLOOR OFFICE BLDG.	
LA-17	418	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	3 <sup>RD</sup> FLOOR OFFICE BLDG	

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LA-18	419	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	4 <sup>TH</sup> FLOOR OFFICE BLDG.	
LA-19	420	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	5 <sup>TH</sup> FLOOR OFFICE BLDG.	
LA-20	421	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	6 <sup>TH</sup> FLOOR OFFICE BLDG.	
LA-21	422	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	7 <sup>TH</sup> FLOOR OFFICE BLDG.	
LA-22	423	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	8 <sup>TH</sup> FLOOR OFFICE BLDG.	
LA-23	424	y3	2	40.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	9 <sup>TH</sup> FLOOR OFFICE BLDG.	
LA-24	425	y3	2	72.00	CLEAN & GROUP RELAMP FLOURESCENT FIXTURES.	10 <sup>TH</sup> 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	

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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	
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 FLOURESCENT 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 <sup>TH</sup> FLOOR	

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MSP-1-A	972	2y	2	4.00	SERVICE MOTOR VFD STARTER PANEL.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 304
MSP-2-A	973	2y	2	4.00	SERVICE MOTOR VFD STARTER PANEL.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 304
MSP-3-A	974	2y	2	4.00	SERVICE EMERGENCY STARTER PANEL.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 304
MSP-4-A	975	2y	2	4.00	SERVICE MOTOR STARTER PANEL.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 304
MSP-5	441	y3	2	6.00	SERVICE EMERGENCY STARTER PANEL.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 304
MSP-6	442	y3	2	6.00	SERVICE MOTOR STARTER PANEL.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 304
MSP-7	443	y3	2	8.00	SERVICE EMERGENCY STARTER PANEL.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 304
MSP-8	444	y3	2	4.00	SERVICE EMERGENCY STARTER PANEL.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> 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

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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"	
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 <sup>TH</sup> FLOOR	MPC 8
P-1A	451	1y	1	1.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
P-1A	452	y5	1	16.00	SERVICE SECONDARY WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> 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

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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 <sup>TH</sup> FLOOR	MPC 8
P-2A	457	1y	1	1.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
P-2A	458	y5	1	16.00	OVERHAUL SECONDARY WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 9
P-2C	459	1y	1	4.00	SERVICE HOT WATER PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
P-2C	460	1y	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	1y	1	4.00	SERVICE SECONDARY WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 8

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P-3A	463	1y	1	1.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
P-3A	464	y5	1	24.00	OVERHAUL SECONDARY WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 9
P-4A	465	1y	1	4.00	SERVICE SECONDARY WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 8
P-4A	466	1y	1	1.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
P-4A	467	y5	1	16.00	OVERHAUL HOT WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 9
P-4C-A	707	1y	1	1.00	INSPECT, MAINTAIN, AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
P-4C-A	709	1y	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	1y	1	4.00	SERVICE HOT WATER PUMP.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 8

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P-5A	472	1y	1	1.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
P-5A	473	y5	1	17.50	OVERHAUL HOT WATER PUMP	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 9
P-5C-A	710	1y	2	1.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
P-5C-A	712	1y	2	8.00	SERVICE CHILLED WATER PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
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 11-1-OFFICE TOWER 11 <sup>TH</sup> 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

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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 11-1-OFFICE TOWER 11 <sup>TH</sup> 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
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

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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
P-12C	967	1y	1	2.00	INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
P-14C	492	1y	1	4.00	SERVICE EMERGENCY CHILLED WATER PUMP.	MER 315 CONCOURSE (C315)	MPC 8
P-14C	493	1y	1	2.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	MER 315 CONCOURSE (C315)	MPC 1

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P-14C	494	y5	1	14.00	OVERHAUL EMERGENCY CHILLED WATER PUMP.	MER 315 CONCOURSE (C315)	MPC 9
P-14-C-A	960	1y	1	4.00	SERVICE EMERGENCY CHILLED WATER PUMP.	MER 315- CONCOURSE- (C315)	MPC 8
P-14-C-A	961	1y	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	1y	1	4.00	SERVICE EMERGENCY CHILLED WATER PUMP.	PARKING LOT-VIP-STREET LEVEL	MPC 8
P-15-A	964	1y	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
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

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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 <sup>TH</sup> 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
P-21C	507	1y	2	4.00	SERVICE CIRCULATING PUMP.	MER 315 CONCOURSE (C315)	MPC 8
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
P-22C	510	4y	1	4.00	SERVICE HOT WATER PUMP.	POLICE DESK-	MPC 8

**APPENDIX D**

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						PATH CONCOURSE (C3)	
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
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 <sup>TH</sup> FLOOR	
PORT-GEN	822	1y	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 <sup>TH</sup> FLOOR	
RF-1A	514	1y	2	4.00	MAINTAIN AND LUBRICATE ALL	MER 11-1 OFFICE	MPC16.

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					FANS AND ASSOCIATED MOTORS.	TOWER 11 <sup>TH</sup> FLOOR	
RF-1A	515	1y	2	2.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
RF-1C	516	1y	2	8.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 315-1 CONCOURSE (C315)	MPC16.
RF-1C	517	1y	2	2.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 315-1 CONCOURSE (C315)	MPC 1
RF-2A	518	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
RF-2A	519	1y	2	2.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
RF-2C	520	1y	2	6.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 236 CONCOURSE (C236)	MPC16.
RF-2C	521	1y	2	4.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 236 CONCOURSE (C236)	MPC 1
RF-3A	522	1y	2	6.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC16
RF-3A	523	1y	2	2.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1

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					MOTORS.		
RF-3C	524	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 236 CONCOURSE (C236)	MPC16
RF-3C	525	1y	2	2.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 236 CONCOURSE (C236)	MPC 1
RF-4A	526	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	
RF-4A	527	1y	2	4.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
RF-4C	528	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 133 CONCOURSE (C133)	MPC16
RF-4C	529	1y	2	2.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 133 CONCOURSE (C133)	MPC 1
RF-5C	530	1y	2	8.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 133 CONCOURSE (C133)	MPC16.
RF-5C	531	1y	2	4.00	INSPECT, AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 133 CONCOURSE (C133)	MPC 1

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RF-6C	532	1y	2	8.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 315 CONCOURSE (C315)	MPC16
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)	MPC16
RH-1C	534	1y	2	4.00	SERVICE REHEAT COILS.	MEDICAL ENT. LOBBY CONCOURSE (C223)	MPC 6
RH-2C	535	1y	2	8.00	SERVICE REHEAT COILS.	MEDICAL ENT. LOBBY CONCOURSE (C223)	MPC 6
RH-3C	536	1y	2	6.00	SERVICE REHEAT COILS.	MEDICAL AREA P.A. CONCOURSE (C215,C221)	MPC 6
RH-4C	537	1y	2	4.00	SERVICE REHEAT COILS.	MEDICAL AREA P.A. CONCOURSE (C215,C221)	MPC 6

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RH-5C	538	1y	2	4.00	SERVICE REHEAT COILS.	MEDICAL AREA P.A. CONCOURSE (C215,C221)	MPC 6
RH-6C	539	1y	2	4.00	SERVICE REHEAT COILS.	MEDICAL AREA P.A. CONCOURSE (C215,C221)	MPC 6
RH-7C	540	1y	2	4.00	SERVICE REHEAT COILS.	MEDICAL AREA P.A. CONCOURSE (C215,C221)	MPC 6
RH-8C	541	1y	2	4.00	SERVICE REHEAT COILS.	MEDICAL ENT. LOBBY CONCOURSE (C223)	MPC 6
RH-9C	542	1y	2	4.00	SERVICE REHEAT COILS.	HOBAN CONTROL CENTER LOBBY CONCOURSE (C235)	MPC 6
RH-10C	543	1y	2	4.00	SERVICE REHEAT COILS.	HOBAN FEMALE LOCKER ROOM CONCOURSE (C213)	MPC 6
RH-11C	544	1y	2	4.00	SERVICE REHEAT COILS.	HOBAN RESERVE ROOM CORRIDOR CONCOURSE (C208)	MPC 6
RH-12C	545	1y	2	4.00	SERVICE REHEAT COILS.	HOBAN VIP ROOM CONCOURSE (C228)	MPC 6
RH-13C	546	1y	2	4.00	SERVICE REHEAT COILS.	HOBAN CONTROL CENTER LOBBY CONCOURSE (C235)	MPC 6

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RH-14C	547	1y	2	4.00	SERVICE REHEAT COILS.	BOILER ROOM CONCOURSE (C9,C10)	MPC 6
RH-15C	548	1y	2	4.00	SERVICE REHEAT COILS.	TELEPHONE COMP. RM. CONCOURSE (C237)	MPC 6
RH-16C	549	1y	2	4.00	SERVICE REHEAT COILS.	TELEPHONE COMP. RM. CONCOURSE (C237)	MPC 6
RH-17C	550	1y	2	4.00	SERVICE REHEAT COILS.	MER 315 CONCOURSE (C315)	MPC 6
RH-18C	551	1y	2	4.00	SERVICE REHEAT COILS.	POLICE ESU UNIT CONCOURSE (C112)	MPC 6
RH-19C	552	1y	2	6.00	SERVICE REHEAT COILS.	POLICE ESU UNIT CONCOURSE (C112)	MPC 6
RH-20C	553	1y	2	4.00	SERVICE REHEAT COILS.	HOBAN RESERVE ROOM CORRIDOR CONCOURSE (C208)	MPC 6
RH-21C	554	1y	2	6.00	SERVICE REHEAT COILS.	HOBAN CONTROL CENTER LOBBY CONCOURSE (C232)	MPC 6
RH-22C	555	1y	2	8.00	SERVICE REHEAT COILS.	SIGNAL RELAY ROOM CONCOURSE (C232 C-D)	MPC 6

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RH-23C	556	1y	2	4.00	SERVICE REHEAT COILS.	TRACK RESERVE AREA CONCOURSE (C240,C241, C245)	MPC 6
RH-24C	557	1y	2	4.00	SERVICE REHEAT COILS.	POLICE ESU UNIT CONCOURSE (C112)	MPC 6
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	HYDROSTATICLY TEST ALL SIAMESE CONNECTIONS.	FACILITY	
SF-1C	563	1y	2	6.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED	BOILER ROOM CONCOURSE	MPC 16.

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					MOTORS.	(C9,C10)	
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 <sup>ST</sup> LEVEL	MPC 16
SF-1-T-A	883	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> 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 <sup>ST</sup> LEVEL	MPC 16
SF-2-T-A	885	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
SF-3-T-A	886	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16.
SF-3-T-A	887	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
SF-4-T-A	888	1y	2	4.00	MAINTAIN AND LUBRICATE ALL	PARKING LOT 1 <sup>ST</sup>	MPC 16

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					FANS AND ASSOCIATED MOTORS.	LEVEL	
SF-4-T-A	889	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
SF-5-T-A	890	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16
SF-5-T-A	891	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "A"	MPC 1
SF-6-T-A	892	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16
SF-6-T-A	893	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "A"	MPC 1
SF-7-T-A	894	1y	2	6.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16
SF-7-T-A	895	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "A"	MPC 1
SF-9-T-A	896	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16

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SF-9-T-A	897	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "A"	MPC 1
SF-10-T-A	898	1y	2	8.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16
SF-10-T-A	899	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "A"	MPC 1
SF-11-A	585	1y	2	6.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
SF-11-A	586	1y	2	3.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1
SF-11-T-A	900	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16
SF-11-T-A	901	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "A"	MPC 1
SF-12-A	589	1y	2	6.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 16
SF-12-A	590	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> FLOOR	MPC 1

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					ASSOCIATED MOTOR.		
SF-12-T-A	902	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "A"	MPC 16
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 <sup>TH</sup> FLOOR	MPC 16.
SF-13-A	594	1y	2	6.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	MER 11-1 OFFICE TOWER 11 <sup>TH</sup> 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.
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
SF-14-T-A	907	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "D"	MPC 1

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SF-15-T-A	908	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "D"	MPC 16.
SF-15-T-A	909	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "D"	MPC 1
SF-16-T-A	910	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 16
SF-16-T-A	911	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	PARKING LOT 1 <sup>ST</sup> LEVEL	MPC 1
SF-17-T-A	912	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "D"	MPC 16
SF-17-T-A	913	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "D"	MPC 1
SF-18-T-A	914	1y	2	8.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "D"	MPC 16
SF-18-T-A	915	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "D"	MPC 1
SF-19-T-A	916	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "D"	MPC 16

**APPENDIX D**

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SF-19-T-A	917	1y	2	2.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "D"	MPC 1
SF-20-T-A	918	1y	2	4.00	MAINTAIN AND LUBRICATE ALL FANS AND ASSOCIATED MOTORS.	BUS LANE "D"	MPC 16
SF-20-T-A	919	1y	2	4.00	INSPECT, MAINTAIN AND LUBRICATE FAN AND ASSOCIATED MOTOR.	BUS LANE "D"	MPC 1
SHP	609	1w	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	1y	2	8.00	SERVICE EJECTOR PUMP.	MER 236 CONCOURSE (C236)	MPC 8
SW-1C/1	614	1y	1	3.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND	MER 236 CONCOURSE (C236)	MPC 1

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					ASSOCIATED MOTOR.		
SW-1C/1	615	y3	1	17.50	OVERHAUL EJECTOR PUMP.	MER 236 CONCOURSE (C236)	MPC - 101
SW-1C/2	616	1y	2	8.00	SERVICE EJECTOR PUMP.	MER 236 CONCOURSE (C236)	MPC 8
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
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
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

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SW-3C/1	625	1y	2	8.00	SERVICE EJECTOR PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
SW-3C/1	626	1y	2	3.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
SW-3C/1	627	y3	1	17.50	OVERHAUL EJECTOR PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC - 101
SW-3C/2	628	1y	2	8.00	SERVICE EJECTOR PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
SW-3C/2	629	1y	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	1y	2	8.00	SERVICE EJECTOR PUMP.	MER 315 CONCOURSE (C315)	MPC 8
SW-4C/1	632	1y	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

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SW-4C/2	634	1y	2	8.00	SERVICE EJECTOR PUMP.	MER 315 CONCOURSE (C315)	MPC 8
SW-4C/2	635	1y	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
SW-5C/1	637	1y	2	8.00	SERVICE EJECTOR PUMP.	BOILER ROOM CONCOURSE (C9,C10)	MPC 8
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
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

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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
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
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
SW-7T/2	653	1y	2	3.00	INSPECT, MAINTAIN AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	PAVONIA AVENUE	MPC 1

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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
SW-8/C1	954	1y	2	3.00	INSPECT, MAINTAIN, AND LUBRICATE PUMP AND ASSOCIATED MOTOR.	BOILER ROOM CONCOURSE (C9,C10)	MPC 1
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
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	KENNEDY BLVD	

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					FOR WATER/CONTAMINATION. COMPARE LEVEL WITH DIGITAL MONITOR & RECORD RESULT ON WO.		
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

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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
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 <sup>TH</sup> FLOOR	MPC 10

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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
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 <sup>ST</sup> 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 <sup>ST</sup> LEVEL	
WOTS	672	4y	1	7.00	SYSTEM MAINTENANCE. CHECK DATABASE STRUCTURES, HARDWARE OPERATION, AND EXAMINE ANY REPORTS OF SYSTEM BUGS.	9 <sup>TH</sup> FLOOR OFFICE BLDG.	

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WOTS	673	y7	1	4.00	GENERATE MAINTENANCE SCHEDULE.	9 <sup>H</sup> FLOOR OFFICE BLDG.	
XFMR-1	674	y3	2	48.00	CLEAN & INSPECT; DRY TRANSFORMERS.	ELECTRICAL CLOSETS OFFICE TOWER	
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	

**ATTACHMENT B**  
**PATH (FTA) STANDARD CONTRACT TERMS AND CONDITIONS (REV. 6/5/2020)**

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## **PART I GENERAL DEFINITIONS**

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

PATH – means the Port Authority Trans-Hudson Corporation.

Authority or Port Authority - means The Port Authority of New York and New Jersey, which may act on behalf of PATH for the purposes of this Contract.

Contract, Document or Agreement - means 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 by an authorized member of the Procurement Department.

Days or Calendar Days - means consecutive calendar days, Saturdays, Sundays, and Holidays, included.

Week - unless otherwise specified, means seven (7) consecutive calendar days, Saturdays, Sundays, and Holidays.

Month – unless otherwise specified, means a calendar month.

Holiday(s) – means any holiday which is observed at the Site, as further detailed in the section of these Standard Contract Terms and Conditions entitled “Holidays.”

Director/General Manager – means the Director/General Manager of PATH, which operates the PATH facility 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, or one of his/her authorized representatives for the purpose of this Contract.

Superintendent/Manager – means 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, or 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 Procurement Department. 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.

Site of the Work - or words of similar import mean the Facility and all buildings and properties associated therewith as described in this Contract.

Subcontractor - means 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.

Work - means 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**

### **1. 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 as the agent or representative of PATH or the Port Authority, 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, employees or "special employees" of PATH or the Port Authority.

### **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 and that no Commissioner, officer, agent or employee of the Port Authority 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, the Commissioners of the Port Authority nor any of them, nor any officer, agent or employee of PATH or the Port Authority, 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. Non-Discrimination Requirements**

The Contractor shall take all necessary and reasonable steps to ensure non-discrimination in the performance and administration of all aspects of this Contract.

- A. Contractor hereby agrees that no person on the ground of race, color, national origin, creed/religion, sex, age or handicap/disability shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the furnishing of goods or services or in the selection and retention of subcontractors and/or vendors under this Contract. Contractor shall also ascertain and comply with all applicable federal, state and local laws, ordinances, rules, regulations, and orders that pertain to equal employment opportunity, affirmative action, and non-discrimination in employment.
- B. Contractor agrees that these "Non-Discrimination Requirements" are a binding part of this Contract. Without limiting the generality of any other term or provision of this Contract, in the event the Authority, or a state or federal agency finds that the Contractor or any of its subcontractors or vendors has not complied with these "Non-Discrimination Requirements", the Authority may cancel, terminate or suspend this Contract in accordance with Section 14 of these Standard Terms and Conditions entitled "Termination Provisions."
- C. Contractor agrees to cooperate fully with the Authority's investigation of allegations of discrimination. Cooperation includes, but is not limited to, allowing the Authority to question employees during the investigation of allegations of discrimination, and complying with directives that the Authority or the State or Federal government deem essential to ensure compliance with these "Non-Discrimination Requirements."

#### **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 estop 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 or because of the performance of this Contract and to cause all subcontractors to pay all such claims lawfully made against them.

## **11. No Third Party Rights**

Nothing contained in this Contract is intended for the benefit of third persons, except to the extent that the Contract specifically provides otherwise by use of the words "benefit" or "direct right of action."

## **12. Provisions of Law Deemed Inserted**

Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and the Contract shall be read and enforced as though it were included therein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party, the Contract shall forthwith be physically amended to make such insertion.

## **13. Costs Assumed By The Contractor**

It is expressly understood and agreed that all costs of the Contractor of whatever kind or nature and whether imposed directly upon the Contractor under the terms and provisions hereof or in any other manner whatsoever because of the requirements of the operation of the service or otherwise under this Agreement shall be borne by the Contractor or without compensation or reimbursement from PATH, except as specifically set forth in this Agreement. The entire and complete cost and expense of the Contractor's services and operations hereunder shall be borne solely by the Contractor and under no circumstances shall PATH be liable to any third party (including the Contractor's employees) for any such costs and expenses

incurred by the Contractor and under no circumstances shall PATH be liable to the Contractor for the same, except as specifically set forth in this Section.

#### **14. Termination Provisions, and Rights and Remedies**

Any right of termination set forth in this paragraph shall be in addition to and not in lieu of any and all rights and remedies that PATH shall have at law or in equity consequent upon the Contractor's breach of this Contract and shall be without prejudice to any and all other rights and remedies available to PATH. It is hereby specifically agreed and understood that the exercise by PATH of any right of termination set forth in this paragraph shall not be or be deemed to be an exercise by PATH of an election of remedies that would preclude PATH from exercising any right to money damages it may have for the period prior to the effective date of termination to the original expiration date of the Contract, and this provision shall be deemed to survive the termination of this Contract as aforesaid.

##### **I. Termination due to Impossibility of Performance**

1. If one or more of the following events shall occur:

1. If fire or other cause shall destroy all or a substantial part of the Facility.
2. If any governmental agency shall condemn or take a temporary or permanent interest in all or a substantial part of the Facility, or all of a part of PATH's interest herein;

then upon the occurrence of such event or at any time thereafter during the continuance thereof, PATH shall have the right on twenty-four (24) hours written notice to the Contractor to terminate this Contract, such termination to be effective upon the date and time specified in such notice.

In such event this Contract shall cease and expire on the effective date of termination as if said date were the date of the expiration of this Contract. Such termination shall not, however, relieve the Contractor of any liabilities or obligations hereunder which shall have accrued on or prior to the effective date of termination.

2. If one or more of the following events shall occur:

1. The Contractor shall become insolvent, or shall take the benefit of any present or future insolvency statute, or shall make a general assignment for the benefit of creditors, or file a voluntary petition in bankruptcy or a petition or answer seeking an arrangement or its reorganization or the readjustment of its indebtedness under the federal bankruptcy laws or under any other law or statute of the United States or of any State thereof, or consent to the appointment of a receiver, trustee, or liquidator of all or substantially all its property; or
2. By order or decree of a court the Contractor shall be adjudged bankrupt or an order shall be made approving a petition filed by any of the creditors, or, if the Contractor is a corporation, 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, 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.

## **II. Termination for Cause or Convenience**

PATH may terminate this contract, in whole or in part, at any time by written notice to the Contractor for cause or when it is in the Authority's best interest (for convenience), pursuant to 49 C.F.R. 13.36 (i)(2) and 2 CFR 200, Appendix II (B). In the event of termination for convenience, the Contractor will be paid its costs as provided for in the Contract, for work performed up to the time of termination for convenience.

### **1. Termination for Cause**

a. If any of the following shall occur:

1. The Contractor shall cease working, abandon any part of his performance, 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.

b. 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.

- c. No payment by PATH of any monies to the Contractor for any period or periods after default of any of the terms, covenants or conditions hereof to be performed, kept and observed by the Contractor and no act or thing done or omitted to be done by PATH shall be deemed to be a waiver of the right of PATH to terminate this Contract or of any other right or remedy to which PATH maybe entitled because of any breach thereof. No waiver by PATH of any default on the part of the Contractor in the performance of any of the terms, covenants and conditions hereof to be performed, kept or observed by the Contractor shall be or be construed to be a waiver by PATH of any other subsequent default in the performance of any of the said terms, covenants and conditions.

## 2. **Termination for Convenience**

- a. In addition to all other rights of revocation or termination hereunder and notwithstanding any other provision of this Contract, PATH may terminate this Contract and the rights of the Contractor hereunder for convenience at any time upon five (5) days written notice to the Contractor; and in such event this Contract shall cease and expire on the date set forth in the notice of termination as fully and completely as though such date were the original expiration date hereof; and if such effective date of termination is other than the last day of the month, the amount of the compensation due to the Contractor from PATH shall be prorated when applicable on a daily basis. Such cancellation shall be without prejudice to the rights and obligations of the parties arising out of portions already performed, but no allowance shall be made for anticipated profits.

## **III. Rights and Remedies**

1. If (1) the Contractor fails to perform any of its obligations under this Contract or any other agreement between PATH or the Port Authority and the Contractor (including its obligation to PATH or the Port Authority to pay any claim lawfully made against it by any supplier, subcontractor or worker or other person which arises out of or in connection with the performance of this Contract or any other agreement with PATH or the Port Authority) or (2) any claim (just or unjust) which arises out of or in connection with this Contract or any other agreement between PATH or the Port Authority and the Contractor is made against the Port Authority or PATH or (3) any subcontractor under this Contract or any other agreement between PATH or the Port Authority and the Contractor fails to pay any claims lawfully made against it by any supplier, subcontractor, worker or other third person which arises out of or in connection with this Contract or any other agreement between PATH or the Port Authority and the Contractor or (4) if in the opinion of PATH or the Port Authority any of the aforesaid contingencies is likely to arise, then the Port Authority or PATH, as applicable, shall have the right, in its discretion, to withhold out of any payment (final or otherwise) such sums as PATH may deem ample to protect it against delay or loss or to assure the payment of just claims of third persons, and to apply such sums in such manner as PATH may deem proper to secure such protection or satisfy such claims. All sums so applied shall be deducted from the Contractor's compensation. Omission by PATH to withhold out of any payment, final or otherwise, a sum for any of the above contingencies, even though such contingency has occurred at the time of such payment, shall not be

deemed to indicate that PATH does not intend to exercise its right with respect to such contingency. Neither the above provisions for rights of PATH to withhold and apply monies nor any exercise or attempted exercise of, or omission to exercise, such rights by PATH shall create any obligation of any kind to such supplier, subcontractor, worker or other third person. If, however, the payment of any amount due the Contractor shall be improperly delayed, PATH will pay the Contractor interest thereon at the rate of 6% per annum for the period of the delay, it being agreed that such interest shall be in lieu of and in liquidation of any damages to the Contractor because of such delay.

2. 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 obligation 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 therefor. PATH may, however, in its discretion, elect to deduct said sum or sums from any payment payable by it to the Contractor.
3. 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 therefor.
4. PATH shall also have the rights set forth above in the event the Contractor shall become insolvent or bankrupt or if its 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 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.

Upon request of the Port Authority, the Contractor shall furnish or provide access to the federal Form I-9 (Employment Eligibility Verification) for each individual performing work under this Contract. This includes citizens and non-citizens.

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 or the Port Authority 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:

- i. 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
  - ii. 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
  - iii. 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
  - iv. may cause or produce in the premises, or upon the Facility any unusual, noxious or objectionable smoke, gases, vapors, odors; or
  - v. 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
  - vi. 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 subcontracts 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, The Port Authority of New York and New Jersey (Port Authority), their Commissioners, Directors, agents, servants, officers, representatives and employees from and against all claims and demands, just or unjust, of third persons (including Contractor's agents, servants, officers, representatives and employees) arising out of or in any way connected to 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 performed under or in connection with, 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 out of or are in any way connected to the Contractor's operations or to its performance of work under this Contract, or arise out of the acts, omissions or negligence of the Contractor, PATH, the Port Authority, their Commissioners, Directors, agents, servants, officers, representatives or employees, third persons (including Contractor's agents, servants, officers, representatives and employees), or from the acts of God or the public enemy, or otherwise, including claims and demands of any local jurisdiction against PATH or the Port Authority in connection with this Contract.

The Contractor assumes the following risks, whether such risks arise out of or are in any way connected to the Contractor's operations or to its performance of work under this Contract, or arise out of acts or omissions (negligent or not) of the Contractor, PATH, the Port Authority or third persons (including agents, servants, officers, representatives, Commissioners, Directors and employees of PATH, the Port Authority and the Contractor) or from any other cause, excepting only risks occasioned solely by affirmative willful acts of PATH or the Port Authority done subsequent to the opening of proposals on this

Contract, and shall to the extent permitted by law indemnify PATH and the Port Authority for all loss or damage incurred in connection with such risks:

- a. The risk of any and all loss or damage to PATH or 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 or the Port Authority, repair, replace or rebuild to the satisfaction of PATH or the Port Authority, any and all parts of the premises or the Facility which may be damaged or destroyed by the acts or omissions (negligent or not) of the Contractor, its officers, agents, or employees and if the Contractor shall fail so to repair, replace, or rebuild with due diligence PATH or the Port Authority may, at its option, perform any of the foregoing work and the Contractor shall pay to PATH or the Port Authority 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 claims, whether made against the Contractor, the Port Authority, 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 whether just or unjust made by or on behalf of third persons (including agents, servants, officers, representatives, Commissioners, Directors and employees of PATH, the Port Authority and the Contractor) arising or alleged to arise out of or in connection with the Contractor's operations or its performance of work hereunder, whether such claims are made against the Contractor, the Port Authority 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 Counsel of PATH or the General Counsel of the Port Authority, raise any defense involving in any way the jurisdiction of any court, tribunal, agency, special district, commission or other authority exercising judicial or regulatory functions over the person of the Port Authority, the immunity of the Port Authority, its Commissioners, directors, officers, agents or employees, their affiliates, successors and/or assigns, the governmental nature of the Port Authority or the provision of any statutes respecting suits against the Port Authority. The Port Authority shall be an intended third-party beneficiary of any policy of liability insurance required by the provisions of this Contract, with the direct right to enforce any such policy with respect to this provision.

Neither the requirements of PATH under this Contract, nor 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 any 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.
- d. The Contractor shall provide its personnel, and shall require its subcontractors to provide their personnel, with Personal Protective Equipment (PPE) prior to entering the Facility, and shall replenish PPE periodically as appropriate. PPE is equipment worn to minimize exposure to hazards that may cause serious injuries and illnesses at the workplace. These injuries and illnesses may result from contact with biological, chemical, radiological, physical, electrical, mechanical, or other workplace hazards. PPE may include, but shall not be limited to, items such as face coverings, gloves, safety glasses, shoes, earplugs, muffs, hard hats, respirators, coveralls, vests and full body suits. The Contractor shall require its personnel, and shall require its subcontractors to require its personnel, to utilize such PPE as appropriate to the Facility and Work covered under the Contract or as may be required by the Port Authority. Regardless of the type of Work, face coverings are required to be worn at all times at all Port Authority Facilities, unless otherwise directed in writing by the Port Authority.

### **23. Accident Reports**

The Contractor shall promptly report in writing to the Manager of the Facility and to the Manager, Claims of the Port Authority 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 (or the Port Authority, as applicable).

### **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 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 any time 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, 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 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 require the Contractor to provide materials, equipment or software for the use of PATH/the Port Authority or its employees or agents, PATH/the Port Authority shall be provided with the Intellectual Property Rights required for such use without further compensation than is provided for under this Agreement.

The Contractor shall indemnify PATH and the Port Authority against and hold them harmless from all loss and expense incurred as a result of any claims in the nature of intellectual property rights infringement arising out of the Contractor's or PATH or the Port Authority's use, in accordance with the above immediately preceding paragraph, of any Intellectual Property. The Contractor, if requested, shall conduct

all negotiations with respect to and defend such claims. If the Contractor, the Port Authority or PATH, its employees or agents be enjoined either temporarily or permanently from the use of any subject matter as to which the Contractor is to indemnify PATH, or the Port Authority as applicable, against infringement, then PATH, or the Port Authority as applicable, may, without limiting any other rights it may have, require the Contractor to supply temporary or permanent replacement facilities approved by the Superintendent/Manager, and if the Contractor fails to do so the Contractor shall, at its expense, remove all such enjoined facilities and refund the cost thereof to PATH or the Port Authority, as applicable, or take such steps as may be necessary to insure compliance by the Contractor, and PATH (or the Port Authority, as applicable) with said injunction, to the satisfaction of PATH or the Port Authority as applicable.

In addition, the Contractor shall promptly and fully inform the Director/General Manager in writing of any intellectual property rights disputes, whether existing or potential, of which it has knowledge, relating to any idea, design, method, material, equipment or any other matter related to the subject matter of this Agreement or coming to its attention in connection with this Agreement.

### **31. Contract Records and Documents – Passwords and Codes**

When the performance of the contract services requires the Contractor to produce, compile or maintain records, data, drawings, or documents of any kind, regardless of the media utilized, then all such records, drawings, data and documents which are produced, prepared or compiled in connection with this contract, shall become the property of PATH (or the Port Authority as applicable), and PATH (or the Port Authority as applicable) shall have the right to use or permit the use of them and any ideas or methods represented by them for any purpose and at any time without other compensation than that specifically provided herein.

When in the performance of the contract services the Contractor utilizes passwords or codes for any purpose, at any time during or after the performance of such services, upon written request by PATH (or the Port Authority as applicable), the Contractor shall make available to the designated PATH (or the Port Authority as applicable) representative all such passwords and codes.

### **32. Designated Secure Areas**

Services under the Contract may be required in designated secure areas, as the same may be designated by the Superintendent/Manager from time to time (“Secure Areas”). The Port Authority shall require the observance of certain security procedures with respect to Secure Areas, which may include the escort to, at, and/or from said high security areas by security personnel designated by the Contractor or any subcontractor's personnel required to work therein. All personnel that require access to designated secure areas who are not under positive escort by an authorized individual will be required to undergo background screening and personal identity verification.

Forty-eight (48) hours prior to the proposed performance of any work in a Secure Area, the Contractor shall notify the Superintendent/Manager. The Contractor shall conform to the procedures as may be established by the Superintendent/Manager from time to time and at any time for access to Secure Areas and the escorting of personnel hereunder. Prior to the start of work, the Contractor shall request a description from the Superintendent/Manager of the Secure Areas which will be in effect on the commencement date. The description of Secure Areas may be changed from time to time and at any time by the Superintendent/Manager during the term of the Contract.

### **33. Notification of Security Requirements**

PATH has the responsibility of ensuring safe, reliable and secure transportation facilities, systems, and projects to maintain the well-being and economic competitiveness of the region. Therefore, PATH reserves the right to deny access to certain documents, sensitive security construction sites and facilities (including rental spaces) to any person that declines to abide by Port Authority or PATH security procedures and protocols, any person with a criminal record with respect to certain crimes or who may otherwise pose a threat to the construction site or facility security. The Authority and PATH reserve the right to impose

multiple layers of security requirements on the Contractor, its staff and subcontractors and their staffs depending upon the level of security required, or may make any amendments with respect to such requirements as determined by the Authority and/or PATH.

These security requirements may include but are not limited to the following:

- Execution of Port Authority Approved Non-Disclosure and Confidentiality Agreements

At the direction of the Port Authority, the Contractor shall be required to have its principals, staff and/or subcontractor(s) and their staff, execute Port Authority approved non-disclosure and confidentiality agreements.

- Contractor/ Subcontractor identity checks and background screening

PATH and the Port Authority's designated background screening provider may require 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; screening of federal, state, and/or local criminal justice agency information databases and files; screening of any terrorist identification files; 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, material-men, visitors or others over whom the Contractor/subcontractor has control, authorize the Authority or its designee to perform background checks, and a personal identity verification check. Such authorization shall be in a form acceptable to the Authority. The Contractor and subcontractors may also be required to use an organization designated by the Authority to perform the background checks.

In accordance with the Authority's Information Security Handbook, background screening is required when a person has an established need to know or has access to any one of the following types of information or physical locations:

- 1) Confidential Privileged Information
- 2) Confidential Information related to a security project and/or task
- 3) Secure Area of an Authority or PATH facility
- 4) Mission critical system

The Contractor shall perform background checks through the Authority's personnel assurance program provider. The Secure Worker Access Consortium (S.W.A.C.) is the only Authority approved provider to be used to conduct background screening and personal identity verification, except as otherwise required by federal law and/or regulation (such as Security Identification Display Area (SIDA), the federal regulatory requirements for personnel performing Work at aviation facilities). Information about S.W.A.C., instructions, corporate enrollment, online applications, and location of processing centers is located at <http://www.secureworker.com>, or S.W.A.C. may be contacted directly at (877) 522-7922 for more information and the latest pricing. The cost for said background checks for staff that pass and are granted a credential may be reimbursable to the Contractor (and its subcontractors) as an out-of-pocket expense as provided herein. Costs for background checks for staff that are rejected for a credential for any reason are not reimbursable.

- Issuance of Photo Identification Credential

No person shall be permitted on or about Port Authority or PATH construction sites or facilities (including rental spaces) without a facility-specific photo identification credential approved by the Authority. If the Authority requires facility-specific identification credentials for the Contractor and the subcontractor's staff, the Authority will supply such identification at no cost to the Contractor or its subcontractors. Such facility-specific identification credential shall remain the property of the Authority and shall be returned to the Authority at the completion or upon request prior to completion of the individual's assignment at the specific facility. It is the responsibility of the appropriate Contractor or subcontractor to immediately report to the Authority the loss of any staff member's individual facility-specific identification credential. The Contractor or subcontractor will be billed for the cost of the

replacement identification credential. Contractor's and subcontractor's staff shall display Identification badges in a conspicuous and clearly visible manner, when entering, working or leaving an Authority construction site or facility.

Employees may be required to produce not less than two forms of valid/current government issued identification having an official photograph and an original, unlaminated social security card for identity and SSN verification.

Where applicable, for sensitive security construction sites or facilities, successful completion of the application, screening and identify verification for all employees of the Contractor and subcontractor shall be completed prior to being provided a Photo Identification credential by the personnel assurance program provider.

If any questions should arise as to when a Personnel Assurance Program background check is required, the Port Authority Manager or contract administrator should be contacted for assistance.

- Access control, inspection, and monitoring by security guards

The Authority may provide for Authority and/or PATH construction site or facility (including rental spaces) access control, inspection and monitoring by Port Authority Police, Authority or PATH retained contractor security guards. However, this provision shall not relieve the Contractor of its responsibility to secure its equipment and work and that of its subconsultant/subcontractor's and service suppliers at the Authority or PATH construction site or facility (including rental spaces). In addition, the Contractor, subcontractor or service provider is not permitted to take photographs, digital images, electronic copying and/or electronic transmission or video recordings or make sketches on any other medium at the Authority or PATH construction sites or facilities (including rental spaces), except when necessary to perform the Work under this Contract, without prior written permission from the Authority or PATH. Upon request, any photograph, digital images, video recording or sketches made of the Authority construction site or facility shall be submitted to the Authority to determine compliance with this paragraph, which submission shall be conclusive and binding on the submitting entity.

- Compliance with the Port Authority Information Security Handbook

The Contract may require access to Port Authority or PATH information considered Protected Information ("PI") as defined in the Port Authority Information Security Handbook ("Handbook"), dated October 15, 2008, revised as of April 2, 2018, and as may be further amended. The Handbook and its requirements are hereby incorporated into this agreement and will govern the possession, distribution and use of PI if at any point during the lifecycle of the project or solicitation it becomes necessary for the Contractor to have access to PI. Protecting sensitive information requires the application of uniform safeguarding measures to prevent unauthorized disclosure and to control any authorized disclosure of this information within the Port Authority or when released by the Port Authority to outside entities. The Handbook can be obtained at: <http://www.panynj.gov/business-opportunities/pdf/Corporate-Information-Security-Handbook.pdf>.

- Audits for Compliance with Security Requirements

The Port Authority and/or PATH may conduct random or scheduled examinations of business practices under this section entitled "NOTIFICATION OF SECURITY REQUIREMENTS" and the Handbook in order to assess the extent of compliance with security requirements, Protected Information procedures, protocols and practices, which may include, but not be limited to, verification of background check status, confirmation of completion of specified training, and/or a site visit to view material storage locations and protocols.

### **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 maybe specifically designated by PATH for such purpose.

### **38. Confidential Information/Non-Publication**

- a. As used herein, confidential information shall mean all information disclosed to the Contractor or the personnel provided by the Contractor hereunder which relates to the Authority's and/or PATH's past, present, and future research, development and business activities including, but not limited to, software and documentation licensed to the Authority or proprietary to the Authority and/or PATH and all associated software, source code procedures and documentation. Confidential information shall also mean any other tangible or intangible information or materials including but not limited to computer identification numbers, access codes, passwords, and reports obtained and/or used during the performance of the Contractor's Services under this Contract.
- b. Protected Information shall mean and include collectively, as per The Port Authority of New York & New Jersey Information Security Handbook (October 15, 2008, revised as of April 2, 2018, and as may be further amended), Confidential Information, Confidential Proprietary Information, Confidential Privileged Information and information that is labeled, marked or otherwise identified by or on behalf of the Authority so as to reasonably connote that such information is confidential, privileged, sensitive or proprietary in nature. Confidential Information shall also include all work product that contains or is derived from any of the foregoing, whether in whole or in part, regardless of whether prepared by the Authority or a third-party or when the Authority receives such information from others and agrees to treat such information as Confidential.
- c. The Contractor shall hold all such Protected Information in trust and confidence for the Authority, and agrees that the Contractor and the personnel provided by the Contractor hereunder shall not, during or after the termination or expiration of this Contract, disclose to any person, firm or corporation, nor use for its own business or benefit, any information obtained by it under or in connection with the supplying of services contemplated by this Contract. The Contractor and the personnel provided by the Contractor hereunder shall not violate in any manner any patent,

copyright, trade secret or other proprietary right of the Authority or third persons in connection with their services hereunder, either before or after termination or expiration of this Contract. The Contractor and the personnel provided by the Contractor hereunder shall not willfully or otherwise perform any dishonest or fraudulent acts, breach any security procedures, or damage or destroy any hardware, software or documentation, proprietary or otherwise, in connection with their services hereunder. The Contractor shall promptly and fully inform the Director/General Manager in writing of any patent, copyright, trade secret or other intellectual property rights or disputes, whether existing or potential, of which the Contractor has knowledge, relating to any idea, design, method, material, equipment or other matter related to this Contract or coming to the Contractor's attention in connection with this Contract.

- d. The Contractor shall not issue nor permit to be issued any press release, advertisement, or literature of any kind, which refers to PATH (or the Port Authority as applicable) 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 (or the Port Authority as applicable). Such approval may be withheld if for any reason PATH believes that the publication of such information would be harmful to the public interest or 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 his/her functions unsatisfactorily, he/she shall be replaced by the Contractor for Work under this Contract 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. The Contractor shall verify that employees working under this Contract in the United States are legally present in the United States and authorized to work by means of

the federally required I-9 program.

**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 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. Code of Ethics for Port Authority Vendors**

The Port Authority has adopted a Code of Ethics for Port Authority Vendors (the "Code"). The Code is hereby made a part of this Agreement. The Code can be found at <https://www.panynj.gov/business-opportunities/become-vendor.html>.

### **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. received a less than satisfactory rating on a public or government contract;
- d. 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;
- e. ever used a name, trade name or abbreviated name, or an Employer Identification Number different from those inserted in the Bid;
- f. 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 fifty thousand dollars (\$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;
- g. 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
- h. 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, including an inspector general of a governmental agency or public authority.

#### **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 and will not make any offers or agreements or take any other action with respect to any Authority employee or former employee or immediate family member (i.e. spouse, domestic partner, child, parent, sibling, grandparent or grandchild) of either which would cause any Authority employee or former employee to violate his/her obligations under Administrative Instruction 20-1.15, Conflicts of Interest and Financial Disclosure (Revised September 30, 2019), and Administrative Instruction 20-1.16, Offers of Employment and Post-Employment Obligations (Issued September 30, 2019), and as the same may be revised from time to time (copies of which are available upon request), nor does this organization have any knowledge of any act on the part of an Authority employee or former employee relating either directly or indirectly to this organization which constitutes a breach of his/her obligations as set forth in said Administrative Instructions. This organization acknowledges that if awarded this Contract by the Port Authority it will be bound by the provisions of the Port Authority Vendor Code of Ethics prohibiting, among other things, such offers or agreements or other actions giving rise to a breach by an Authority employee or former employee of his/her obligations as set forth in the aforesaid Administrative Instructions;
  - 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;
  - 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; and
  - g. no person or organization has been retained, employed or designated on behalf of the Bidder to impact any Port Authority determination with respect to (i) the solicitation, evaluation or award of this Contract, or (ii) the preparation of specifications or request for submissions in connection with this Contract.

The foregoing certifications in this Part III, Sections 1 and 2, shall be deemed to have been 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. With respect to the foregoing certification in paragraph “2g”, if the Bidder cannot make the certification, it shall provide, in writing, with the signed bid: (i) a list of the name(s), address(es), telephone number(s), and place(s) of principal employment of each such individual or organization; and (ii) a statement as to whether such individual or organization has a “financial interest” in this Contract, as described in the Procurement Disclosure Policy of the Authority (a copy of which is available upon request to the Port Authority). Such disclosure is to be updated as necessary. As a result of such disclosure, the Port Authority 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-responsiveness or 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 the Authority in writing during the period of irrevocability of bids and the term of the Contract, if Bidder is awarded the Contract, of any change of circumstances which might under this clause make it unable to make the foregoing certifications, might render any portion of the certifications previously made invalid, 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 the Authority and that the Authority will rely on their truth and accuracy in awarding and continuing this Contract. In the event that the Authority 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, has failed to immediately notify the Port Authority of any change in circumstances which might make it unable to make the foregoing certifications, might render any portion of the certifications previously made invalid, or require disclosure, 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, the Authority 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 Authority 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 the Authority 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 the Port Authority, 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 the Port Authority.

### **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 the Authority 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 the Authority's Board of Commissioners meeting of September 9, 1993.

#### **4. Contractor Responsibility, Suspension of Work and Termination**

During the term of this Contract, the Contractor shall at all times during the Contract term remain responsible. The Contractor agrees, if requested by the Port Authority to present evidence of its continuing legal authority to do business in the States of New Jersey or New York, integrity, experience, ability, prior performance, and organizational and financial capacity.

The Port Authority, in its sole discretion, reserves the right to suspend any or all activities under this Contract, at any time, when it discovers information that calls into question the responsibility of the Contractor. In the event of such suspension, the Contractor will be given written notice outlining the particulars of such suspension. Upon issuance of such notice, the Contractor must comply with the terms of the suspension order. Contract activity may resume at such time as the Port Authority issues a written notice authorizing a resumption of performance under the Contract.

Upon written notice to the Contractor, and an opportunity to be heard with appropriate Port Authority officials or staff, the Contract may be terminated by Port Authority at the Contractor's expense where the Contractor is determined by the Port Authority to be non-responsible. In such event, the Port Authority or its designee may complete the contractual requirements in any manner he or she may deem advisable and pursue available legal or equitable remedies for breach, including recovery of costs from Contractor associated with such termination.

#### **5. No Gifts, Gratuities, Offers of Employment, Etc.**

At all times, the Contractor shall not offer, give or agree to give anything of value either to a Port Authority 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., spouse, domestic partner, child, parent, sibling, grandparent or grandchild) 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 of duties involving transactions with the Contractor on behalf of the Port Authority, 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. The Bidder acknowledges that if it is awarded this Contract it will be bound by the provisions of the Port Authority Vendor Code of Ethics regarding Gifts, Gratuities and Favors.

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 this Contract or any other Port Authority contract), etc., 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, other than as permitted under Administrative Instruction 20-1.06, Gifts, Gratuities, Business Expenses, and Offers of Employment (Revised March 11, 2014), and as the same may be revised from time to time. Such term shall not include compensation contemplated by this Contract or any other Port Authority contract. Where used herein, the term "Port Authority" shall be deemed to include all subsidiaries and component units 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. The Contractor shall include the provisions of this clause in each subcontract entered into under this Contract.

#### **6. Obligation to Report**

In the event that the Contractor becomes aware of the occurrence of any conduct that is prohibited by the section entitled “No Gifts, Gratuities, Offers of Employment, Etc.”, or if the Contractor knows or should reasonably know that a principal, employee, or agent of the Contractor or of its subcontractor(s) has committed a violation of federal, New York or New Jersey law addressing or governing: antitrust, public contracting, false claims, fraud, extortion, bribery, bid rigging, embezzlement, prevailing wage or minority, woman, small or disadvantaged business enterprises, it shall report such information to the Port Authority’s Office of Inspector General within three (3) business days of obtaining such knowledge. (See [“http://www.panynj.gov/inspector-general”](http://www.panynj.gov/inspector-general) for information about how to report information to the Office of Inspector General). Failing to report such conduct may be grounds for a finding of non-responsibility. The Contractor shall not take any Retaliatory Action against any of its employees for reporting such conduct.

In addition, during the term of this Contract, the Contractor shall not make an offer of employment or take any action with respect to a Port Authority employee or former employee that would require or cause such employee or former employee to breach his/her obligations under Administrative Instruction 20-1.15, Conflicts of Interest and Financial Disclosure (Revised September 30, 2019), and Administrative Instruction 20-1.16, Offers of Employment and Post-Employment Obligations (Issued September 30, 2019), and as may be revised from time to time (copies of which are available upon request to the Port Authority). The Contractor shall not require any former Port Authority employee in its employ to violate his/her post-employment obligations under Administrative Instruction 20-1.16. The Contractor acknowledges that if it is awarded the Contract it will be bound by the Port Authority Vendor Code of Ethics, which prohibits all vendors from taking such actions.

The Contractor shall include the provisions of this clause in each subcontract entered into under this Contract.

## **7. 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 the Authority) to which it is contemplated the Port Authority 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 the Port Authority 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 the Authority, 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 Chief Procurement Officer in writing of such situation giving the full details thereof. Unless the Contractor receives the specific written approval of the Chief Procurement Officer, the Contractor shall not take the contemplated action which might be viewed as or give the appearance of a conflict of interest. The Chief Procurement Officer may require the Contractor to submit a mitigation plan addressing and mitigating any disclosed or undisclosed conflict, which is subject to the approval of the Chief Procurement Officer and shall become a requirement, as though fully set forth in this Contract. In the event the Chief Procurement Officer 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 Chief Procurement Officer to be no longer appropriate because of such preclusion, then the Chief Procurement Officer 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 the Authority 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. The Port Authority's determination regarding any questions of conflict of interest shall be final.

## **8. Integrity Monitor**

In the event that the Authority hires an Integrity Monitor in connection with the Work under this Contract, the Contractor and any subcontractors shall cooperate fully with the Integrity Monitor and the Authority, which includes, but is not limited to, providing complete access to all personnel and records in any way related to the Work performed pursuant to this Contract. Any failure to cooperate may result in the termination of this Contract. The Contractor shall include the provisions of this clause in each subcontract entered into under this Contract.

## **9. Right to Audit**

Notwithstanding anything to the contrary, the Authority, including its Inspector General, Audit Department and Integrity Monitor, or its designee(s) each shall have the right to audit all of the records of the Contractor with respect to the Work and the Contract, including, without limitation, records pertaining to any compensation paid, payable, or to be paid under the Contract. The Contractor shall not be entitled to any reimbursement or other compensation for costs associated with such audit, investigation, or certification. The Contractor shall include the provisions of this clause in each subcontract entered into under this Contract.

The Contractor agrees to pay for the cost of any audit or investigation conducted by the Authority, in which any criminal activity, ethics violations, or professional misconduct by the Contractor or any of its employees, or subcontractors or any of its employees, are discovered. The Contractor shall further agree that should it fail or refuse to pay for any such audit or investigation, the Authority is authorized to deduct from any sum owing the Contractor an amount equal to the cost of such audit and the damages resulting therefrom. The determination of the value of any such costs and decision to withhold any such payments are at the sole discretion of the Authority (including its Inspector General).

## **10. 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, the Port Authority of New York and New Jersey and its wholly owned subsidiaries and others.

Investigation - Any inquiries made by any federal, state or local criminal prosecuting and/or law enforcement 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.

Retaliatory Action- Any adverse action taken by, or at the direction of, the Contractor, against any of its employees for reporting any information as set forth in the clause entitled "Obligation to Report," above.

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; except and until the Contract has been awarded, then it shall mean Contractor;

Bidding - shall mean executing this Contract.

In a Contract resulting from the taking of Proposals:

Bid - shall mean Proposal;

Bidder - shall mean Proposer; except and until the Contract has been awarded, then it shall mean Contractor;

Bidding - shall mean executing this Contract.