

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
4 WORLD TRADE CENTER
150 GREENWICH STREET, 21ST FLOOR
NEW YORK, NY 10007

INVITATION FOR BID/PUBLIC BID OPENING

BID INFORMATION

ISSUED DATE: 10/21/2015

TITLE: 35-TON RAIL BOUND CRANE AND SPARE PARTS FOR PATH

BID NO.: 43773

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

BID DUE DATE: 11/20/2015

TIME: 11:00 AM

BUYER NAME: JOHN SANTIAGO

PHONE NO.: (212) 435-4613

FAX NO.: (212) 435-4697

EMAIL: John.Santiago@panynj.gov

BIDDER INFORMATION

(TO BE COMPLETED BY THE BIDDER)

(PLEASE PRINT)

(NAME OF BIDDING ENTITY)

(ADDRESS)

(CITY, STATE AND ZIP CODE)

(REPRESENTATIVE TO CONTACT-NAME & TITLE)

(TELEPHONE)

(FEDERAL TAX I.D. NO.)

(FAX NO.)

BUSINESS CORPORATION PARTNERSHIP INDIVIDUAL
 OTHER (SPECIFY): _____

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

The Port Authority of New York and New Jersey (the “Port Authority” or the “Authority”) is an agency of the States of New York and New Jersey, created and existing by virtue of the Compact of April 30, 1921, made by and between the two States, and thereafter consented to by the Congress of the United States. It is charged with providing transportation, terminals and other facilities of trade and commerce within the Port District. The Port District comprises an area of about 1,500 square miles in both States, centering about New York Harbor. The Port District includes the Cities of New York and Yonkers in New York State, and the cities of Newark, Jersey City, Bayonne, Hoboken and Elizabeth in the State of New Jersey, and over 200 other municipalities, including all or part of seventeen counties, in the two States. The Port Authority manages and/or operates all of the region’s major commercial airports (Newark Liberty International, John F. Kennedy International, Teterboro, LaGuardia, Atlantic City International and Stewart International Airports), marine terminals in both New Jersey and New York (Port Newark and Elizabeth, Howland Hook and Brooklyn Piers); and its interstate tunnels and bridges (the Lincoln and Holland Tunnels; the George Washington, Bayonne, and Goethals Bridges; and the Outerbridge Crossing), which are vital “Gateways to the Nation.”

In addition, the Port Authority operates the Port Authority Bus Terminal in Manhattan, the largest facility of its kind in the world, and the George Washington Bridge and Journal Square Transportation Center bus stations. A key link in interstate commuter travel, the Port Authority also operates the Port Authority Trans-Hudson Corporation (PATH), a rapid rail transit system linking Newark, and the Jersey City and Hoboken waterfronts, with midtown and downtown Manhattan. A number of other key properties are managed by the agency including but not limited to a large satellite communications facility (the Teleport) in Staten Island, and a resource recovery co-generation plant in Newark. Prior to September 11, 2001, the Port Authority’s headquarters were located in the World Trade Center, and that complex is still owned and being partially redeveloped by the Authority.

2. Federal Transit Administration Requirements

This Contract is part of a program funded by the Federal Transit Administration (FTA) and the successful Bidder will be required to comply with and complete the attached certificates with the “Federal Transit Administration Requirements” annexed hereto as Attachment A.

3. Form and Submission of Bid

The Bidder shall review carefully every provision of this document, provide all the information required, and sign and return one entire copy to the Port Authority in accordance with the instructions on the Cover Sheet and Part II – Contract Specific Information for Bidders. The Bidder should retain one complete duplicate copy for its own use. The “Signature Sheet” contained herein must be completed and signed by the Bidder. The Pricing Sheet(s) contained herein must also be completed. The

Bid shall be sealed in the enclosed self-addressed envelope conspicuously marked with the Bidder's name, address, and Vendor Number, if available. In addition, the outside of the package must clearly state the Bid Title, the Bid Collective Number and the Bid Due Date. Failure to properly label submissions may cause misdirection, disqualification or delay in identification of the submissions. In submitting this bid, the Bidder offers to assume the obligations and liabilities imposed upon it herein and expressly makes the representations and warranties required in this document.

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

Express carrier deliveries by commercial vehicles can be made via vendors approved by Silverstein Properties, the 4 World Trade Center (4 WTC) Property Manager, through the Vehicle Security Center (VSC). Presently, UPS is the only delivery vendor with approved recurring delivery times.

There is extensive security at the World Trade Center Site. Individuals must present a valid government-issued photo ID to enter 4 WTC. If a Bid is to be hand-delivered or if an individual is planning to attend the formal bid opening, please note that only individuals with valid photo identification will be permitted access to the Port Authority's offices. Individuals without valid identification will be turned away and their packages not accepted. Bids that are not received by the bid custodian by the scheduled bid opening date and time will be considered late. Individuals without packages or carrying small packages or boxes that can be conveyed by hand or on a hand truck may enter through the lobby. All envelopes, packages and boxes may be subject to additional security screening. There is no parking available at 4 WTC/150 Greenwich Street, and parking in the surrounding area is extremely limited.

Bids that are not received by the bid custodian by the scheduled bid opening date will be considered late.

4. 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 profiles or register as Port Authority Vendors by accessing the online registration system at <https://panynjprocure.com/VenLogon.asp>. Bidders that register as Port Authority Vendors by accessing the on-line registration system will be sent acknowledgements with their assigned Vendor Numbers.

5. 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.

6. 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.

7. 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.

8. 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 authorized only 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 Assistant Director, 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. Financial Information

a. The Bidder will be required to demonstrate that it is financially capable of performing the Contract resulting from this Bid. The determination of the Bidder's financial qualifications and ability to perform this Contract will be made by the Port Authority in its sole discretion. The Bidder shall submit, with its Bid, the following:

1. (i) Certified financial statements, including applicable notes, reflecting the Bidder's assets, liabilities, net worth, revenues, expenses, profit or loss and cash flow for the most recent calendar year or the Bidder's most recent fiscal year.

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

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

Where the statements submitted pursuant to 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 his/her 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.

14. Qualification Information

The Port Authority may give 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. Information relating to the Bidder's Prerequisites, if any, as set forth in this document.
- b. A statement describing the legal and financial form of the entity submitting the bid, including ownership, financial structure and a point of contact. Such entity must legally exist and be qualified to do business within the state required under this bid as of the date that bids are submitted. As applicable, provide copies of the Articles of Incorporation, By laws and Amendments, partnership agreement, joint venture agreement and/or other appropriate organizational documents for the Bidder, its officers, financial guarantors and, if any such entities are joint ventures or partnerships, for all those of ventures or partners. Describe the rationale for the

selection of the structure of the entity. Describe contractual, financial, legal commitments and agreements and functional relationships among financial guarantors and officers with relation to the Work required by this bid, to the extent that they are not disclosed in the organizational documents.

- 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.

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.

15. 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 in a separate envelope along with your Bid, clearly marked “CERTIFICATION STATEMENT.”

16. 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.

17. 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.

18. Pre-award Meeting

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

19. Disadvantaged Business Enterprises (DBE's)

This Solicitation is subject to the United States Department of Transportation regulations on Disadvantaged Business Enterprises (DBE's) contained in Part 26 of Title 49 of the Code of Federal Regulations. The requirements for the DBE Program are located in the Standard Terms and Conditions of this Solicitation.

For more information on the Port Authority certification process, please refer to the following website:

<http://www.panynj.gov/business-opportunities/become-vendor.html>.

20. Certification of Recycled Materials

Bidders are requested to submit, with their Bids, 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. 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>

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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

The Work consists of, but is not limited to, the manufacture and delivery of one (1) 35-Ton Railbound Crane (Crane) and associated spare parts, as further explained in Part V (Specifications). The Crane must be manufactured, delivered and ready to perform all work, including incidental and miscellaneous work, as set forth in these Contract Documents.

Any reference to a specific product in these Contract Documents is to indicate approved products or details. Other products or details will be considered suitable if they meet the intent of the performance characteristic cited or are comparable to the product or detail cited. PATH shall be the sole judge of as to whether a proposed substitution will be approved, and no substitution shall be ordered or utilized without PATH's prior written approval. PATH may require the Contractor to furnish at the Contractor's expense a special performance guarantee or other assurance with respect to any approved substitution. Furthermore, the approval of any substitute proprietary item or make shall not in any way entitle the Contractor to additional compensation therefor. If the Contractor fails to deliver a suitable approved equal that is acceptable to PATH, then the Contractor shall supply the item specified herein, as more fully described in the Specifications.

2. Delivery Location(s)

Port Authority Trans-Hudson Corporation (PATH), 120 Academy Street, Jersey City, NJ 07302, as more fully described in Part III "Contract Specific Terms and Conditions".

3. Delivery Date

The date of delivery shall be coordinated with PATH as more fully defined in Part III "Contract Specific Terms and Conditions".

FOB Destination

4. Expected Contract Commencement Date

A Purchase Order to be forwarded on or about December 1, 2015.

5. Contract Type

Unit Price Contract

6. Duration of Contract

The Contractor shall complete delivery of the Crane under this Contract as follows:

Complete the satisfactory delivery of the Crane and the delivery of all other equipment and the performance of all other obligations by the Contractor under this Contract five hundred forty (540) days after the issuance of a Purchase Order and/ or notice to proceed.

As used herein, "Satisfactory Delivery" shall mean the delivery to PATH of equipment and other items meeting the requirements of this Contract and shall include passing such tests and inspections at PATH's facility as are required under this Contract.

Complete delivery shall be in accordance with the Progress Schedule in Part III of this Contract.

7. Specific Bidder's Prerequisites

Submit with your bid proof that the following prerequisites are met:

- a. The Bidder shall have had at least five (5) years of continuous experience immediately prior to the date of submission of its bid in the design and manufacturing of Track Mounted Rail Equipment of a design similar to that required herein and during that time has actually engaged in providing said or such equipment 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 total of at least five (5) years of experience immediately prior to the date of the submission of its bid in the design and manufacturing of Track Mounted Rail Equipment of a design similar to that required herein and were actually engaged in providing such equipment 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 equipment during that time period.
- b. During the time period as stated in (a) above, the Bidder, or persons or entities owning and controlling the Bidder, shall have performed or be performing under at least one (1) contract requiring equipment and services similar to those required under this Contract.
- c. 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 prerequisite in subparagraph (a) and (b) above, will be considered satisfied if the joint venture itself, or any of its participants individually, can meet the requirements. 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.

8. FTA Bid Submission Requirements

The following items are additional bid submittal requirements. They are contained within the Federal Transit Administration (FTA) Requirements and/or Solicitation Document and shall accompany your bid submission:

- a) Certification Regarding Lobbying Pursuant to 31 U.S.C. 1352
- b) Standard Form LLL - Disclosure of Lobbying Activities
- c) Certification Regarding Debarment, Suspension, Ineligibility And Voluntary Exclusion - Lower Tier Covered Transactions
- d) Buy America – Certification Requirement For Procurement of Buses, other Rolling Stock And Associated Equipment (Rolling Stock)
- e) Certificate of Cost and Pricing Data contained in Part IV Pricing Sheet(s)
- f) Appendix A1 DBE Goals Statement in accordance with Part III clause entitled “DBE Program”
- g) Appendix A2 DBE Participation Plan and Affirmation Statement
- h) Appendix A3 Information on Solicited Firms
- i) Financial information in accordance with Part I, Section 13 “Financial Information”

9. PATH Bid Submission Requirements for Alternate Products

The following shall be submitted for approval within the bid package:

Where the Specifications refer to “or approved equal”, “or PATH-approved design similar in fit, form and function”, or any other similar terminology, these statements refer to the consideration of alternate products proposed by the Bidder, subject to PATH’s written approval.

Where the Bidder is quoting an alternate proposed product, the Bidder shall submit specification sheets, catalogs, or other documentation on the alternate proposed product to facilitate a comparison to the product specified herein.

Please note that PATH, as required for further evaluation, may request delivery of a sample of the alternate proposed product, at the Contractor’s expense, to determine if the performance requirements and characteristics of the proposed alternate product meet the requirements of the product specified herein. Failure to provide a sample or additional information within a specified timeframe, if requested by PATH to conduct its evaluation, may result in rejection of the alternate product and/or rejection of the bid.

A sample that is approved, deemed in new condition, and usable by PATH will be accepted toward the order under this Contract. The Bidder shall pick up samples that are not approved within thirty (30) days of notification, after which time all samples will become the property of PATH.

10. Background Qualification Questionnaire (BQQ)

The Bidder shall submit a completed Background Qualification Questionnaire (BQQ) for itself and for all subcontractors and vendors known to the Bidder at the time of bid submission. This document and instructions for submitting the completed BQQ to the Authority's Office of Inspector General can be obtained at the Authority's website through the following link: http://www.panynj.gov/wtcprogress/pdf/PANYNJ_OIG_WTC_BQQP.zip

11. 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 subcontractor) may also be required to use an organization designated by the Authority to perform the background checks. Costs for said background checks for staff that pass and are granted a credential shall be reimbursable to the Contractor (and its subcontractors) as an out-of-pocket expense. Costs for background checks for staff that are rejected for a credential for any reason are not reimbursable.

As of January 29, 2007, 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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PART III – CONTRACT SPECIFIC TERMS AND CONDITIONS

1. General Agreement

Subject to all of the terms and conditions of this Contract, the undersigned (the Contractor) hereby offers and agrees to provide the manufacture and delivery of one (1) 35-Ton Railbound Crane (Crane) and associated spare parts, and all other things necessary to perform the Work required by this Contract as specified in Part II and fully set forth in the Specifications, at the location(s) listed in Part II and fully set forth in the Specifications, and to do all other things necessary or proper therefor 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. Order of Precedence

Anything to the contrary herein notwithstanding, all Contract Specific Terms and Conditions shall be deemed to control in the event of a conflict with the Standard Terms and Conditions contained in this Contract.

3. Specific Definitions

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

Government, United States Government, Federal or words of like import shall mean the United States of America.

UMTA or FTA – shall mean the United States Department of Transportation, Federal Transit Administration (formerly known as the Urban Mass Transportation Administration).

DOT – shall mean the United States Department of Transportation.

DCAA – shall mean the Defense Contract Audit Agency.

The Port Authority or Authority – shall mean The Port Authority of New York and New Jersey.

Port Authority Trans-Hudson Corporation – shall mean PATH.

Director – shall mean the Director/General Manager of PATH acting either personally or through his duly authorized representatives acting within the scope of the particular authority vested in them.

Project Manager – shall mean the Project Manager assigned by PATH to manage this contract, acting either personally or through his duly authorized representatives acting within the scope of the particular authority vested in them.

Contractor – shall mean the Bidder to whom this Contract is awarded, its successors and assignees. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require include: "she", "it" and "they"; the word "him" shall include "her", "it" and "them;" and the word "his" shall include "her", "its" and "their".

Contract, Contract Documents, or Agreement – shall mean the ATTACHMENTS, APPENDICES, CONTRACT TESTIMONIUM, GENERAL CONTRACT PROVISIONS, SPECIFIC CONTRACT PROVISIONS, SCHEDULES (if any), TECHNICAL SPECIFICATIONS (if any), FORMS OF BONDS (if any), CONTRACT DRAWINGS (if any), and the Notice of Award.

Investigation – shall mean any inquiry made by any federal, state or local criminal prosecuting agency and any inquiry 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.

Item(s) – shall mean the goods, merchandise, supplies, equipment, services or articles specified.

Manufacturer – shall mean the person or entity who will actually build the specific Item to be provided as described herein.

4. Delivery Requirements

Delivery shall be FOB Destination; the Contractor shall bear all cost of freight and insurance for delivery and unloading to the Port Authority. Delivery locations shall be coordinated with Edward Perara, the Project Manager, at (201) 216-6021. All deliveries shall be made between the hours of 8:00 am and 2:00 pm, unless otherwise noted in the Specifications. The Contractor shall follow the instructions for the proper method of making deliveries. Failure to do so may result in delayed payments.

A. All deliveries must be accompanied by an original packing slip, which shall always contain:

1. The Port Authority/PATH Purchase Order number.
2. A description of each Item.
3. The quantity shipped of each Item.
4. The Contractor's packing slip/invoice number.

B. Shipping cartons shall not contain loose and/or unmarked Item(s).

5. Delivery Schedule

The Contractor shall complete delivery of the Crane under this Contract as follows:

Complete the satisfactory delivery of the Crane and the delivery of all other equipment and the performance of all other obligations by the Contractor under this Contract on or before the first business day **540 days** after the issuance of a Purchase Order and/or Notice to Proceed.

As used herein, "Satisfactory Delivery" shall mean the delivery to PATH of equipment and other Items meeting the requirements of this Contract and shall include passing such tests and inspections at PATH's facility as are required under this Contract.

6. Progress Schedule

Within ten (**10**) business days after receipt of a Purchase Order and/or Notice to Proceed, the Contractor shall prepare a detailed delivery schedule, based on the milestone schedule below and the additional Items listed in Part V of this Contract, for the approval of the Project Manager. The delivery schedule shall show the date for the commencement and completion of the different portions of the Contract.

After the approval of the delivery schedule, no changes shall be made therein without the written approval of the Project Manager. Approval of any delivery schedule shall not relieve the Contractor of his obligation to complete the Contract by the time required in the Contract, even though the schedule approved may be inconsistent with such completion, nor shall it constitute a representation by the Authority that the Contractor will be able to proceed or complete in accordance with the delivery schedule.

The Contractor shall meet the following progress milestones:

1. Within one hundred (**100**) calendar days after receipt of a Purchase Order and/or Notice to Proceed, Contractor must submit for approval the Configuration, Dimensional, Working and Shop drawings.
2. Within four hundred eighty (**480**) calendar days after receipt of a Purchase Order and/or Notice to Proceed, Contractor must pass inspection of the Crane by PATH at the Contractor's plant.

3. Within five hundred (**500**) calendar days after receipt of a Purchase Order and/or Notice to Proceed, satisfactory delivery of the Crane to PATH.
4. Within five hundred forty (**540**) calendar days after receipt of a Purchase Order and/or Notice to Proceed, the Contractor shall satisfactorily perform clearance, test runs for adherence to Specifications and place the Crane into service at PATH.
5. Within five hundred forty (**540**) calendar days after receipt of a Purchase Order and/or Notice to Proceed, Contractor shall deliver all the required spare parts to PATH.

7. Time is of the Essence

The Contractor's obligation for the performance within the time provided for this Contract is of the essence of this Contract. The Contractor guarantees that it can and will complete such fabrication, supply, delivery, factory and field testing, and on-site training within the time herein stipulated.

The delivery times shall be extended (subject, however, to the provisions of this numbered clause) only if, in the opinion of the Project Manager, the Contractor is necessarily delayed in the delivery solely by fault of the Port Authority. Further, the Contractor shall be entitled to an extension of time to the extent that delay in its performance results from floods, earthquakes, storms, lightning, fire, epidemic, strike, force majeure, civil disturbance or any other cause which is beyond the reasonable control of the Contractor as determined by the Project Manager.

Any reference herein to the Contractor shall be deemed to include suppliers and others performing on behalf of the Contractor, whether or not in privity of contract with the Contractor, and employees and others will be considered as agents of the Contractor.

8. Bill of Sale

The Contractor warrants that the Item(s) is free of liens and other encumbrances. The Contractor shall promptly furnish to the Port Authority such bills of sale and other instruments as may be required by it, properly executed, acknowledged and delivered, assuring to it title to the Item(s), free of liens and other encumbrances, upon delivery of such merchandise to the Port Authority.

9. Title to Materials

All manufactured equipment, drawings, specifications, spare parts, training programs/materials, provided to the Port Authority shall be and become the property of the Authority upon successful completion of commissioning and acceptance testing by PATH. All equipment stored by the Contractor shall be individually marked and identified in a conspicuous manner "Property of the Port Authority of New York and

New Jersey – BID #43773.” Contractor shall arrange for the Project Manager to have access to the storage site for inspection of equipment stored as requested. The Contractor shall bear the risk of loss for any equipment stored until its delivery and acceptance by PATH at the Project site. As a prerequisite to making any payments under this clause, the Contractor shall furnish whatever documents evidencing transfer of title of equipment to the Authority the Project Manager requires, including bills of sale and affidavits of title in forms acceptable to the Project Manager. The making of milestone payments shall not be deemed to be a final acceptance of equipment nor shall it relieve Contractor of responsibility for such equipment.

10. Invoices

An invoice with a unique invoice number and the backup delivery receipts with Contract number shall be submitted to the Port Authority before payment can be made. The Contractor’s invoice, which shall state:

- a) The starting and ending dates of the delivery; and
- b) The payment milestone for which the Contractor is billing.

All invoices shall be mailed to the address depicted on the Purchase Order.

11. Payment

Subject to the provisions of this Contract, the Port Authority agrees to pay to the Contractor and the Contractor agrees to accept from the Port Authority as full and complete consideration for the performance of all its obligations under this Contract and as sole compensation for the Items(s) and/or service(s) provided by the Contractor hereunder, a compensation calculated from the respective prices inserted by the Contractor in the Pricing Sheet(s) for actual services and goods performed/provided, forming a part of this Contract. The manner of submission of all bills for payment to the Contractor for Service(s) and/or Item(s) provided under this Contract shall be subject to the approval of the Port Authority 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 clause entitled “Invoices” and the following procedures:

- a) Payment shall be made in accordance with the Contract as set forth below.
- b) No certificate, payment, acceptance of any Item(s) or any other act or omission of any representative of the Port Authority shall operate to release the Contractor from any obligation under or upon this Contract, or to estop the Port Authority from showing at any time that such certificate, payment, acceptance, act or omission was incorrect or to preclude the Port Authority from recovering any monies paid in excess of those lawfully due or attributable to any damage sustained by the Port Authority.

- c) 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 the Port Authority, the Contractor shall pay to the Port Authority the difference promptly upon receipt of the Port Authority's statement thereof. The Port Authority may, however, in its discretion elect to deduct said sum or sums from any subsequent payments payable to the Contractor hereunder.

"Final Payment", as the term is used throughout this Contract, shall mean the final payment made for the supply, delivery and acceptance of all Item(s) required under this Contract. The Contractor's acceptance of Final Payment shall act as a full and complete release to the Port Authority of all claims of and of all liability to the Contractor for all Item(s) furnished in connection with this Contract and for every act and neglect of the Port Authority and others relating to or arising out of this 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.

12. Default - Delays

If the Contractor fails to perform in accordance with the terms of this Contract, the Authority may obtain the goods or services from another Contractor and charge the Contractor the difference in price and a reletting cost, if any, plus any other damages that the Port Authority may deem appropriate.

13. Equipment Warranty

Notwithstanding the Specifications forming a part of this Contract, any inspection or approval of the Item(s) by the Port Authority or the existence of any patent or trade name, the Contractor nevertheless unconditionally warrants that the Item(s) specified herein shall be of the best quality and shall be fully fit for the purpose for which it is to be used. The Contractor unconditionally warrants all equipment furnished against defects or failures of any kind, including defects or failures in design, workmanship and materials, failure to operate satisfactorily for any reason, excepting such defects or failures which the Contractor demonstrates to the satisfaction of the Project Manager have arisen solely from accident, abuse or fault of the Port Authority occurring after acceptance by the Port Authority and not due to fault on the Contractor's part for the warranty period(s) described below. In the event of defects or failures in said equipment, then upon receipt of notice thereof from the Project Manager, the Contractor shall correct such defects or failures by immediately reconstructing, repairing or making such alterations or replacement of said Item(s) as may be necessary or desirable in the sole opinion of the Project Manager to comply with the above warranty at no cost to the Port Authority.

The foregoing warranty shall not, however, be a limitation on any rights which the Authority would have, either expressed or implied, in connection with this Contract in the absence of such warranty, said warranty being given only for the greater

assurance of the Port Authority. In addition, the Contractor shall provide the following specific warranties to the Port Authority:

- All equipment shall be warranted for two (2) years from date of in-service installation or three (3) years from date of delivery to PATH; whichever is longer.
- Contractor agrees that it will make available to PATH replacement equipment, parts and service of equipment either under the warranty set forth, above, or through purchase for five (5) years from the date of installation. If the Contractor discontinues manufacturing or support of any product supplied, Contractor shall provide PATH with the latest drawings, parts lists and Contractor contacts and PATH shall have the right to have the product or services manufactured or provided by any other source at PATH's discretion without any additional fees.

14. Insurance Procured by the Contractor

The Contractor shall take out, maintain, and pay the premiums on Commercial General Liability Insurance, including but not limited to premises-operations, products-completed operations, 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 owned, non-owned, and hired autos in the following minimum limits:

Commercial General Liability Insurance - \$2 million combined single Limit per occurrence for bodily injury and property damage liability.

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

Railroad Protective Liability Insurance - \$5 million combined single limit per occurrence for bodily injury and property damage. If Work is to be performed on or within 50 feet of railroad property, then the contractual liability coverage shall contain an endorsement deleting any railroad exclusion.

In addition, the liability policy (ies) shall name The Port Authority of New York & New Jersey, its related entities, their commissioners, directors, officers, partners, employees and agents as additional insured, including but not limited to premises-operations, products-completed operations on the Commercial General Liability Policy. Moreover, the Commercial General Liability Policy shall not contain any provisions for exclusions from liability other than provisions for exclusion from liability forming part of the most up to date ISO form or its equivalent unendorsed

Commercial General Liability Policy. The liability policy (ies) and certificate of insurance shall contain separation of insured conditions and severability of interests clauses for all policies. These insurance requirements shall be in effect for the duration of the contract to include any warranty /guarantee period and any maintenance period . An act or omission of one of the insureds shall not reduce or void coverage to the other insureds. Furthermore, the Contractor's insurance shall be primary insurance as respects to the above additional insureds. Any insurance or self-insurance maintained by the above additional insureds shall not contribute to any loss or claim

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

“The insurer(s) shall not, without obtaining the express advance written permission from the General Counsel of the Port Authority, raise any defense involving in any way the jurisdiction of the Tribunal over the person of 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 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 each accident.

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

The Port Authority may at any time during the term of this agreement change or modify the limits and coverages of insurance. Should the modification or change results in an additional premium, The General Manager, Risk Financing 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 of NY and NJ, Facility Contract Administrator, at the location where the work will take place. This certificate of insurance MUST show evidence of the above insurance policy (ies), stating the agreement/contract number prior to the start of work. The General Manager, Risk Financing 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 Financing, a certified copy of each policy, including the premiums.

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

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

The requirements for insurance procured by the Contractor shall not in any way be construed as a limitation on the nature or extent of the contractual obligations assumed by the Contractor under this contract. The insurance requirements are not a representation by the Authority as to the adequacy of the insurance to protect the Contractor against the obligations imposed on them by law or by this or any other Contract. [CITS#4526N]

15. Materials and Workmanship

All Item(s) and/or Service(s) shall be manufactured and/or provided in accordance with the best current practice in the industry and free from defects. All Item(s) and/or Service(s) shall at all time and places be subject to the inspection of the Project Manager. Should any Item(s) or Service(s) fail to meet the Project Manager's approval, they shall be forthwith made good, replaced or corrected, as the case may be, by the Contractor, at its own expense. All Item(s) shall be new Item(s).

16. Inspection and Acceptance

Inspection and acceptance will be conducted at PATH, unless otherwise provided and agreed upon by the Port Authority and the Contractor. Any risk of loss will be the Contractor's responsibility until such delivery, and inspection and acceptance are made, unless loss results from negligence of the Port Authority.

The Contractor shall provide a written detailed description of his testing procedures; this shall be submitted to PATH for approval along with the shop drawings, within two weeks after acceptance of his proposal.

After delivery, a final inspection of the Crane will be made by the Project Manager.

If any parts have been damaged or for any reason do not comply with the requirements hereof, the Contractor will be notified in writing within ten (10) calendar days and he shall replace the parts at his own expense even though the Crane may have been inspected and approved for shipment. Satisfactory replacement shall be made within ten (10) calendar days after notification; then the entire installment will be approved as satisfactory and payment therefor will be made as provided in the clause of Part III hereof entitled "Payment".

The Contractor shall notify PATH at least two weeks (14 calendar days) in advance of the date when the Contractor wishes to perform Factory Production Tests and Inspection. This notice shall be given in writing to the following:

The Port Authority Trans-Hudson Corporation
One PATH Plaza, 8th Floor
Jersey City, NJ 07306
Attention: Mr. Edward Perara, Tel. No. (201) 216-6021

A representative of the Authority or PATH may attend the tests and inspections.

17. Errors and Omissions

If the Contractor discovers any errors or omissions in the Specifications or in the Work undertaken and executed by it, it shall immediately notify the Project Manager and the Project Manager shall promptly verify the same. If, with the knowledge of such error or omission and prior to the correction thereof, the Contractor proceeds with any work affected thereby, it shall do so at its own risk, and the work so done shall not be considered as work done under and in performance of this Contract.

18. Approval by the Project Manager

The approval by the Project Manager of any Item(s) shall be construed merely to mean that at that time the Project Manager knows of no good reason for objecting thereto, and no such approval shall release the Contractor from its full responsibility for the satisfactory construction and operation of the Item(s). The decision of the Project Manager shall be conclusive, final and binding on the parties as to all questions arising out of, under, or in connection with this Contract (including questions of breach of Contract).

19. Changes

Acceptance of Contractor's bid will be by Contract signed by the Port Authority. The Port Authority may at any time, by a written order, make changes within the general scope of this Contract in any one or more of the following: (a) drawings, designs, and/or specifications; (b) method of shipment and/or packing; and (c) place of delivery. If any such change causes an increase or decrease in the cost of, or the time required for, performance of this Contract, an equitable adjustment shall be made in the Contract price or delivery schedule, or both, and the Contract shall be modified in writing accordingly. Any claim by the Seller for adjustment under this section must

be asserted within 30 days from the date of receipt by the Seller of a notification of change: provided, however, that nothing in this section, "Changes", shall excuse the Seller from proceeding with the Contract as changed. Except as otherwise provided herein no payment for Changes shall be made, unless the Changes have been authorized in writing by the Authority.

20. Variations in Quantity

The quantities set forth in the Price Schedule are estimates; actual total quantity purchased may be greater or lower. The Port Authority reserves the right to increase or decrease the quantity of Items called for under this Contract at the Unit Prices specified. The Port Authority may exercise the option to vary the quantity by written notice to the Contractor. Delivery of the additional quantity of Items shall continue at the same rate as the like Items called for under the Contract, unless the parties otherwise agree. All Items to be added shall be set forth in a Change Order.

21. DBE Program

The Authority's Disadvantaged Enterprise Program (DBE) and requirements are set forth in the Standard Contract Terms and Conditions.

22. Attachment A – Federal Transit Administration Requirements

23. Attachment B – Standard Contract Terms and Conditions

**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 90 days after the date on which the Port Authority opens this bid.

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

Bidding Entity_____

Bidder's Address_____

City, State, Zip_____

Telephone No._____ FAX_____

Email_____ EIN# _____

SIGNATURE_____ Date_____

Print Name and Title_____

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

Signature of Person Signing Above

ACKNOWLEDGEMENT:

STATE OF: _____

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 and they are in all respects true and that (s)he has been authorized to execute the foregoing offer and statement of irrevocability on behalf of said corporation, partnership or firm.

Notary Public

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

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

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

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 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 items in the Contract are consistent.
- c. Prices must be submitted for each Item required on the Pricing Sheet(s).
- d. All Bidders are asked to ensure that all figures are inserted as required, and that all computations made have been verified for accuracy. The Bidder is advised that the Port Authority may verify only that Bid or those Bids that it deems appropriate and may not check each and every Bid submitted for computational errors. In the event that errors in computation are made by the Bidder, the Port Authority reserves the right to correct any error and to recompute the Total Delivered Contract Price, as required, based upon the Total Delivered Unit Prices inserted by the Bidder, which amount shall govern in all cases.
- e. The Total Delivered 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".

Pricing Sheet

Item No.	Description	Qty	Unit of Measure	Total Delivered Unit Price
1	35-Ton Track Mounted Crane	1	Each	\$
2	Spare Parts, as outlined in Part V Specifications	1	Lot	\$
TOTAL DELIVERED CONTRACT PRICE:				\$

LEAD TIME:

Indicate lead time necessary for completion of fabrication, testing and delivery of the Crane and Spare Parts (refer to the delivery requirements in Part III).

_____ Days after return of approval drawings

Bidder shall certify in the form prescribed below that, to the best of its knowledge and belief, the cost or pricing data submitted was accurate, complete and current.

**AWARD WILL BE MADE TO THE LOWEST RESPONSIVE AND RESPONSIBLE
BIDDER FOR THE TOTAL DELIVERED CONTRACT PRICE.**

CERTIFICATE OF CURRENT COST OR PRICING DATA:

This is to certify that, to the best of my knowledge and belief, the cost or pricing data submitted, either actually or by specific identification in writing, to The Port Authority of NY & NJ or to The Port Authority of NY & NJ's representative in support of:

Bid No. 43773 is accurate, complete, and current as of _____.
(insert date)

This certification includes the cost or pricing data supporting any advance agreements and forward pricing rate agreements between the offeror and The Port Authority of NY & NJ that are part of the bid.

Firm: _____

Signature: _____

Name: _____

Title: _____

Date: _____

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PART V – SPECIFICATIONS

1.0 General

- 1.1 **SCOPE:** These Specifications cover the technical aspects for a self-propelled 35-Ton Track Maintenance Rail Bound Crane (Crane) to be utilized throughout the PATH system. The Crane shall be capable of lifting 15,000 pounds in the PATH tunnels, with boom at zero degrees, and shall be able to travel carrying the weight without the use of outriggers. The Crane shall be capable of equal outreach to both Crane ends. Crane shall be capable of turning loads 360 degrees by using four (4) outriggers and must clear the PATH third rail. The Crane shall be able to re-rail itself in case of derailment. Maximum axle load in transport shall not exceed 30,000 lbs.
- 1.2 **DESCRIPTION:** This section includes specifications for the manufacture and delivery of one (1) Crane. The basic design of the vehicle shall consist of a Crane superstructure that is centrally mounted on the carbody in order to achieve equal outreach to both Crane ends. In addition, the Crane shall have a dead weight of less than 120,000 lbs., acceptable axle load compensation in transport condition, same lifting capacities in both track directions, free on rail capacities up to 8 degrees in track direction with fully extended telescopic boom, and a capacity of up to 15 degrees in track direction with fully extended telescopic boom by using one outrigger only.
- 1.3 **REQUIREMENTS:** The Crane must be capable of negotiating all PATH track, tunnels and structures, and must stay within the dynamic envelope. Equipment must conform to all PATH restrictions regarding height, width, and weight in accordance with these Specifications and the attached Standard Clearance Drawings.
 - 1.3.1 The Crane shall be capable of performing work functions throughout the PATH system without degradation of performance during typical work windows or shifts, provided that adequate routine maintenance is performed.
- 1.4 **MODEL:** The Crane shall be of the latest type in production at the time of delivery. Production parts and components shall be neither obsolete nor near the end of their planned production life.
- 1.5 **RELIABILITY:** The Crane design, construction, and materials used shall ensure that the Crane will function reliably and efficiently in sustained operations under harsh and extreme conditions in adverse railway environments. When engine drive shafts are used, the shafts shall have a separate protective element(s) to protect other equipment, should a drive shaft failure occur. The Crane shall have a diagnostic plan/system. The

diagnostic plan/system shall be located in a secured area on the upper rotating frame.

- 1.6 WORKMANSHIP: The Crane shall be free from defects such as incomplete welds, welds that cross welds, corrosion, loose or improper fasteners, any leaks or contamination, and any other defects that would impair or limit operation or serviceability. All welds must comply with the associated and established standards of the American Welding Society (AWS).
- 1.7 MAINTENANCE: The Crane shall incorporate a design which allows ease of access by maintenance and operational personnel to service, replace, and adjust all components, including but not limited to filters and fluids.
- 1.8 At a minimum, the Crane, as furnished and installed by the Contractor, must meet the standards of:
 - (1) The Federal Railroad Administration (FRA), an agency within the U.S Department of Transportation that works to ensure the safe, reliable movement of people and goods. PATH falls under the FRA;
 - (2) The American Railway Engineering and Maintenance-of-Way Association (AREMA), a North American railway industry group that publishes recommended practices for the design, construction and maintenance of railway infrastructure, which are requirements in the United States and Canada. PATH also falls under AREMA; and
 - (3) The Association of American Railroads (AAR), a North American railroad policy, research, standard setting and technology organization that focuses on the safety and productivity of the U.S. freight rail industry. The equipment must meet AAR standards for Maintenance of Way equipment only, and where applicable.

In case of inconsistency or conflict, the Contractor must meet the requirements that are most stringent for the equipment.

1.9 Applicable Standards

- a) American Railway Engineering and Maintenance-of-Way Association (AREMA) Standards and Recommended Practices
- b) Automatic Fire Sensing and Suppression (AFSS)
- c) Federal Railroad Administration (FRA) Standards and Recommended Practices
- d) Association of American Railroads (AAR) Standards and Recommended Practices
- d) AAR Standard M-107, M-201, S-538, M-618, M-927

- e) AAR Wheel and Axle Manual, Latest Edition
- f) 49 Code of Federal Regulations (CFR) 214.509, 238.103, 238.223, 229.121, 231, 223, 229.127
- g) 49 CFR 214, Subpart D
- h) American Welding Society (AWS) D1.1, D1.2, D1.3, C1.1
- i) American Society for Testing and Materials (ASTM) B33, A36, A606, A588, A488, E94, E142, E390, E446
- j) American Society of Mechanical Engineers (ASME) A-53
- k) National Fire Protection Association (NFPA) 130
- l) National Pipe Thread Fuel (NPTF) ANSI B1.20.3
- m) National Electric Code (NEC)
- n) American National Standards Institute (ANSI) 80.1, B1.1, B.16.3
- o) Underwriters Laboratories (UL) 6 Standard
- p) Society of Automotive Engineers (SAE) Standard R16, 100R2 AT, 100 R12, SAE 100 R13
- q) American Pipe Threads B-2.1
- r) Section VIII of the ASME Boiler and Pressure Vessel Code
- s) Occupational Safety and Health Administration (OSHA)

2.0 Material

- 2.1 All steel plates, shapes, bars and sheets shall be of a quality that has good weldability, high impact resistance and meets IZOD impact toughness at low temperatures (0° to -40° Fahrenheit). Steel items shall be of alloys and grades normally used for maintenance of way equipment and railway rolling stock. Design of structural members subject to normal working loads shall have a minimum design safety factor of 2 to 1. Structural members shall be designed to withstand impact stresses with a minimum safety factor of 3 to 1. Structural loads shall conform to a 2.5 to 1 safety factor or better. Consider these design safety factors as minimum

recommended guidelines and achieve greater design safety factors as may be required or as necessary.

- 2.2 All fasteners shall meet requirements of ASTM-A-325 at a minimum. Contractor shall use certified fasteners. Contractor shall be aware of the high possibility of counterfeit fasteners available. All fasteners shall be plated or anodized to avoid corrosion and galvanic reaction of the mating surfaces. All bolt applications shall have at least two (2) full threads protruding beyond the nut after the fastener has been torqued and no more than six (6) threads protruding beyond the nut. Maintain all fastener certifications for inspection by PATH until all warranty/reliability periods have expired.
- 2.3 All non-ferrous metals shall be alloys having strength and corrosion resistance suitable for the service and operating environment intended.

3.0 Brakes

- 3.1 The Crane shall be equipped with fail-safe, spring-applied parking brakes effective on all wheels. The parking brakes shall be capable of holding the Crane on a 6% grade. Service brakes shall be progressive in force application and capable of reducing the speed of the 35-ton Crane travelling at a rate equal to or greater than three (3) MPH per second at maximum travel speed. Brakes shall consist of spring applied pneumatically released parking brakes and pneumatically applied service brakes.
- 3.2 Braking performance shall be compatible with that of existing PATH Work Cars in that the Crane must be capable of being attached to a PATH work flat and must operate the brakes on the piece of equipment. (See drawings).
- 3.3 Air brake systems must maintain operating pressure above 70 psi but not more than 120 psi.
- 3.4 Brake application shall not result in bending of axles, support structure, or vehicle frame. Double shoes applying equal opposing forces may be used in any position. If single shoe is used, there must be one shoe on the inside of each wheel located just below horizontal.
- 3.5 To allow for emergency rescue of the Crane, it shall be equipped with a hand operated emergency brake release pump(s) to provide brake release pressure and/or disengagement of braking system from wheels. Location of brake release components shall be clearly identified on the Crane.
- 3.6 Air brake systems must utilize SAE J1402 Table A (formerly Type E), DOT #EMV-SS 106-74 Type A1 air brake hose with reusable fittings.

Brake systems must have independent pressure regulators and pressure gauges and standard truck type reservoirs. The brake systems must be activated by standard truck type, hand operated control valves and one (1) truck type quick release valve for each two (2) wheels.

- 3.7 Reservoirs must conform with SAE J10-B specifications. Manufacturer/Contractor shall also be able to furnish reservoirs which meet ASME specifications for certification when requested as an option. The reservoir shall be at least 30 gallons in capacity.
- 3.8 Main brake power shall be supplied by an in-line gear driven compressor. The compressor shall be capable of operation at normal engine speeds and shall be lubricated by the engine oil sump. The compressor must be mounted in such a manner as to limit vibration during normal operations.
- 3.9 To allow for emergency rescue of the Crane, FM 3103 1/4" MPT male quick disconnect emergency rescue ports shall be provided at the front and rear of the Crane to allow charging and full operation of the brake system from a compatible external source. Total failure of onboard electrical and engine systems shall have no affect on operation of the brake system during the emergency rescue mode. While in the emergency rescue mode, override and bypass components in the brake system shall be isolated to avoid accidental or inadvertent venting of the charged brake system. Location of emergency rescue ports shall be clearly identified on the Crane.

4.0 Wheels, Axles, Bearings, Frame and Suspension

- 4.1 Wheels and axles shall be in alignment and gauge, with the following allowable tolerances:
 - a) Gauge: 1/8 in. Maximum Tolerance (56-1/8 in. to 56-3/8 in.).
 - b) Tram: + or - 1/8 in. Maximum Tolerance.
 - c) Diagonal Measurement:
 - 1) + or - 3/16 in. Maximum Tolerance for wheel bases up to 9 ft.
 - 2) + or - 1/8 in. Maximum Tolerance for wheel bases more than 9 ft.
- 4.1.1 Truck Spacing: The Crane shall be constructed with two truck assemblies, each having two axles, with center of trucks to be a minimum of 23ft.-6in. apart.
- 4.2 No excessive vibration, wobble, or eccentric action shall occur at any speed at which the Crane is intended to operate. Suspension shall provide for damage-free operation under maximum foreseeable operating stresses. The entire Crane shall withstand a free drop of 6 in. to a non-resilient surface without impairing normal travel or operating functions. Derail guards shall be incorporated near each truck set to cover inboard and

outboard rail area, so that in the event of derailment, the Crane will not leave the rail right-of-way area. The derail guards shall be designed so as to prohibit any part of the Crane from touching the contact rail at any time. (Reference drawings for dimensions.) The machine shall push or tow easily if required when out of service.

- 4.3 The axles shall be suitably sprung to achieve safe travel at maximum operating conditions of FRA Class 3 track profile.
- 4.4 Wheels shall be at least 28in. minimum diameter, not to exceed 30 in. diameter, machined from non-porous steel castings machined at AAR Specification M-107-77, Class B. Wheels must be of multi-wear type. Wheel tread shall be AAR G-4-76, Tapered. A groove, identifying wheel size condemning limits, shall be machined into the face of each wheel.
- 4.5 Wheels shall be pressed onto the axles in accordance with Section G AAR, Wheel and Axles Manual, 11th Edition.
- 4.6 Axles shall be of solid design and continuous in length from wheel to wheel, mounted in standard railway type truck assemblies with roller bearings of AAR Grade C or better. Axles shall be cold stamped with at least 1/4" markings (per AAR Wheel and Axle Manual, 11th Edition). Truck or Agricultural type axles will not be allowed.
- 4.7 Axles shall utilize double-row, roller-type axle bearings. Where pillow block bearings are used, they shall be self-aligning, double-row, non-expansion, roller type axle bearings, and shall have cast steel or ductile iron housings and their location shall be fixed to avoid movement.
- 4.8 Bearings selected for use shall have a life of 20,000 hours, B-10 at 50 RPM and at radial load capacity which shall exceed static wheel load of the Crane.
- 4.9 All axle bearings shall be designed for a 250,000 mile service life and shall be of sealed, maintenance free design.
- 4.10 The Crane wheel-to-wheel impedance of each wheel axle assembly shall be less than 0.2 ohms when measured with a 100-volt source over the frequency range of 1 to 10 kilohertz.
- 4.11 Frames shall be equipped with jacking, lifting and support pads which shall have a bearing area at least 6 in. (152mm) long by 4 in. (102 mm) wide, with a 1/2 in. lip on either end, and shall project a minimum of 1/2 in. (13 mm) below the bottom of the side sill. Also, there shall be a minimum of 2 in. (51 mm) clearance to any obstruction around each jack pad. The bottom of all jack pads shall have a non-skid surface to develop frictional resistance against incidental horizontal loading between the jack

pad and jack head. The pads shall be located as follows:

- Jacking Pads shall be located at the extreme corner, or as close to the corner as possible subject to PATH approval, and shall be designed for jacking of the Crane along the right-of-way with Crane supported on one truck at the non-lifted end and with truck attached at the lifted end. There shall be no obstructions in the projected space below the jacking pad;
- Pads shall be located as near the centerline of bolsters as possible to permit jacking the Crane with PATH standard floor jacks so that the truck can be rolled from under the Crane without removing any equipment or structure; and
- Pads shall be located between bolsters, designed for lifting of the Crane with both trucks attached to an overhead Crane with lift hooks.

The Crane shall also be capable of being supported at one end by the pads, without its truck attached, by the drop table support pads, while the other end is supported on its truck.

- 4.12 The Crane shall be provided with a means of lifting it with a Crane hook without damage to any equipment. Lifting points and balance points must be clearly marked and labeled.
- 4.13 Appurtenances and payloads shall be distributed along the Crane such that the load on each wheel falls within the range of 20% to 30% of the total dead and live load.
- 4.14 The design of members, and the assembly thereof, shall withstand all stresses imposed by continuous dead and live loads, without bending more than 1/2 inch in a span of 12 feet.
- 4.15 A torque arm of adequate design and size for the imposed loads shall be installed on each axle.

5.0 Insulation

- 5.1 The Crane shall not be insulated. The Crane shall not be converted from an insulated design by bonding around insulating parts. If a shunt bond is used, its design must be approved by PATH. The Crane must give a positive indication of track occupancy under any condition of loading.

6.0 Engine and Power Train

- 6.1 Engine shall start within 2/3 of cranking systems time rating. Engine shall incorporate high water temperature and low oil pressure shut down systems where applicable. It shall provide ample power, with clean exhaust for all equipment functions under the following conditions:
- 1) ALTITUDE - 100 ft. to 450 ft. above sea level
 - 2) AMBIENT TEMPERATURE:
 - Summer - Surface.
105° F (41°C) dry bulb temperature;
35% Relative Humidity; 41° Latitude, maximum solar heat rate;
and 105° F (41°C) condenser ambient; and 8 mph (13 km/h) wind velocity.
 - Summer - Tunnel
120°F (49°C) dry bulb temperature;
35% Relative Humidity;
105°F (41 °C) condenser ambient
 - Winter - Surface
-10° F (-23°C) dry bulb temperature;
41° Latitude, (minimum solar heat rate); and 11 mph (18 km/h) wind velocity.
 - Winter -Tunnel
0° F (-18°C) dry bulb temperature
 - 3) ATMOSPHERE Heavy Dust to 1 in. of Rain per Hour
 - 4) GRADE OF TRACK 6%
 - 5) CURVATURE (work mode) 115 ft. radius, 6 in. Super-elevation.
- 6.2 The engine of the Crane shall have adequate horsepower to operate when subjected to the conditions of Section 6.1, while operating the compressor listed in Section 3.7 at 110 psi, and shall not have a rating of less than 250 brake horsepower at 2,400 RPM and 640 ft. lbs. of torque at 1,400 RPM.
- 6.3 The engine of the Crane shall be water cooled, diesel fueled, four (4) cycle in operation, turbo charged, and of proven design on a minimum of three other pieces of machinery.
- 6.4 The air filter for the engine shall be of adequate size as recommended by the engine manufacturer and be equipped with a visible air filter restriction indicator on the operator's equipment monitor. The air filter shall be positioned to be readily accessible and shall operate with unrestricted fresh, outside air.

6.5 Engine shall be supplied with coolant overflow/recovery tank.

7.0 Fuel Tank

- 7.1 Capacity of fuel tank shall provide for continuous operation of the Crane for a period of not less than 24 hours of operation at 50% of the rated output.
- 7.2 Filler opening shall have a minimum diameter of 1-1/2 in., and shall have a removable strainer.
- 7.3 The filler opening shall be located so as to make it impossible for a fuel can or nozzle to contact electrically energized parts. Tanks shall be located to eliminate fire hazard from spill, overflow and drain of fuel.
- 7.4 The tank shall be located on the Crane in a position that will provide protection against rupture due to impact, collision or derailment.
- 7.5 The tank shall incorporate a top loading port with vented cap, a sight gauge for fuel levels, a remote fuel gauge (cab-console) and a 3/4 in. drain valve with a pipe plug.

8.0 Drive Train

- 8.1 The drive system shall be a hydrostatic drive system or other PATH approved system. Each of the four axles shall be hydrostatically driven by heavy duty hydraulic motors and axle driven gear boxes for maximum traction. For towing purposes, a manual mechanism shall be provided to permit easy disengagement of the drive system.
- 8.2 A towing rescue procedure placard shall be installed in a highly visible location in the operator's cab or on the machine in a prominent location with adequate indication.

9.0 Exhaust System

- 9.1 The exhaust system shall be so located that it will cause no adverse temperature rise in any other part of the equipment and so that minimal to no heat and exhaust gas reaches the operator. The exhaust system shall utilize a purifier design in the exhaust and muffler.

- 9.2 Machines equipped with enclosed cab or cab top shall have the exhaust discharge at least 12 in. above the top or as Tunnel Restrictions apply. (See Standard Clearance Drawings)
- 9.3 An exhaust muffler, shall be furnished and installed as close as possible to the engine, Noise level shall be limited to 85 dBa, when measured at a distance of 50 ft. from the Crane.
- 9.4 Stainless steel shall be used for all exhaust conveyance components beyond the turbo charger outlet. Clamp(s) used to secure the exhaust to the turbo charger shall be stainless steel. Not more than 36 in. of flexible metal exhaust pipe may be used, where necessary to reduce transmission or vibration. All exhaust piping shall be properly braced to eliminate shocks at all junctions, and at the interfaces between the manifold and muffler. Vibration dampeners may be used if necessary. The exhaust system shall accommodate expansion, contraction, vibration and stress produced by operation of the machine. The exhaust system shall comply with all "TIER 4" requirements regarding air pollution.
- 9.5 When utilizing exhaust tubing in the vertical position, the end shall be bent or a rain cap incorporated to eliminate moisture entry into the exhaust system.

10.0 Hydraulic System

- 10.1 The hydraulic system shall conform to the recommendations of the National Fluid Power Association (NFPA), American National Standards Institute (ANSI) and the International Standards Organization (ISO).
- 10.2 Upon completion of manufacture and before any operation, all parts of the system shall be cleaned and made free from contaminants. Threads, holes, cuts, flares and machining must be deburred and cleaned.
- 10.3 Ensure that the Manufacturer pre-filters all oil through a ten (10) micron or finer filtering system.
- 10.4 All reservoirs shall be designed and constructed to prevent entry of foreign matter, including water, and shall be sized to protect the hydraulic system against excessive heat or thermal conditions. Reservoir shall be of 80-gallons size or larger, and shall include:
 - 1) Suction side hydraulic shut off valves shall be incorporated.
 - 2) Baffles to separate intake and return lines to facilitate the separation of air and foreign matter from the hydraulic fluid, separate pump inlet from the settling portion of the tank, and shall direct flow toward tank walls for maximum heat dissipation.

- 3) Access panels large enough for complete cleaning, inspection, maintenance, and servicing of sump filters with an accessible means to empty the reservoir in the event the fluid is to be retained.
 - 4) An air inlet breather that is of sufficient capacity to maintain approximate atmospheric pressure at maximum demands on the hydraulic system and to ensure that vacuum at pump inlet(s) shall not exceed 60% of pump manufacturer's recommendations. Air breather system shall be equipped with a 25 micron or finer filter, either cartridge or spin-on type.
 - 5) A high temperature indicator shall be incorporated in the operator's instrument display module.
 - 6) A static fluid level gauge (protected from damage) to show fall and add points.
 - 7) A non-integral reservoir (not part of the frame) shall be utilized. This reservoir shall be mounted in accordance with the section relating to the fuel tank (Section 7).
 - 8) Both the intake and return tubes shall be located below the minimum working fluid level so as not to cause cavitation or aeration.
 - 9) System shall include a low level and high level temperature alarm incorporated into the reservoir.
- 10.5 Fluid temperature in the reservoirs shall not exceed 180° F at the reservoir outlet(s) while operating in a 100° F ambient temperature.
- 10.6 Where failure of the power plant or hydraulic system can immobilize components in a position which would prevent movement of the Crane, a back-up emergency pump system shall be furnished and installed in the circuit to allow normalization of all equipment components; i.e., telescoping section boom, outriggers, winch load line for movement of the 35-ton Crane to a proper location.
- 10.7. Fluid Filtration:
- 10.7.1 The total pressure line and/or return line flow shall pass through filters rated at 20 microns or finer and minimum beta rating of 10 per ANSI Std. B93-31-1973, equipped with a condition indicator. Filtration shall be not less than that recommended by manufacturers of the hydraulic system components.
 - 10.7.2 Fluid Filtration: A magnetic particle attraction feature shall be furnished and installed in the pump intake line and/or in the filters and/or in the reservoir.

10.8 Fluid Conductors

10.8.1 Maximum use of rigid tubing is preferred. Tubing shall be equipped with 37° fittings for interfacing with flexible hose used when needed. Fluid conductors utilized in circuits operating at or under 3000 psi must use high pressure hose; SAE 100 R2 Type A Plus, Hi-Impulse type with the following qualification requirements:

- a. Constructed with a corrosion resistant, 2-wire braid reinforcement.
- b. Have a bursting pressure safety factor of 4 to 1.
- c. Tested to 300,000 impulse cycles at 250° F.
- d. Have an operating temperature range of 30°F to + 250°F

10.8.2 All fluid conductors utilized in circuits operating over 3000 psi shall use extra high pressure hose; SAE 100 R12 plus type when utilizing hose sized up to 1 in., which shall meet the following qualification requirements.

- a. Constructed with 4-spiral plies of steel reinforcement.
- b. Have a bursting pressure safety factor of 4 to 1.
- c. Tested to 1,000,000 impulse cycles at 250° F
- d. Have an operating temperature range of - 50°F to + 250°F
- e. Use with permanent, crimp type fittings, for added reliability.

10.8.3 Maximum use of rigid tubing is preferred. Tubing will be equipped with 37° fittings for interfacing with flexible hose used where needed. All fluid circuits and hydrostatic drive systems operating at pressures exceeding 3000 psi shall use ultra-high pressure, heavy duty, hi-impulse tubing and hoses. SAE 100 R13 type hoses 1" diameter and larger shall meet the following requirements:

- a. Constructed with 6-spiral plies of steel reinforcement.
- b. Have a bursting pressure safety factor of 4:1.
- c. Tested to 1,000,000 impulse cycles at 250° F
- d. Have an operating temperature range of - 40° F to +250° F
- e. Use with permanent, crimp type fittings, for added reliability.

10.8.4 Pump supply hoses must meet the requirement of SAE 100R4.

10.8.5 Hoses shall not be:

- 1) Flexed to less than their rated minimum bend radius.
- 2) Installed or routed to expose them to temperatures above or below their rated operating temperature ranges.
- 3) Subjected to any twisting, pulling, kinking, crushing or abrasion.

- 4) Routed in a manner which would expose the hose to damage under normal conditions.

10.8.6 Hoses shall be installed, routed and isolated for proper support through clamping and/or brackets to avoid all of the above conditions, especially abrasion. The Contractor shall wrap and protect hoses subjected to excessive abrasion with an abrasion resistant wrapping or sleeve.

10.8.7 Tubing and piping shall be mounted to minimize vibration. Tubing shall have only gentle bends to change direction or compensate for thermal expansion. Bend radii shall be not less than three (3) times the Inside Diameter (ID).

10.8.8 Pipe threads are not recommended but not prohibited, subject to PATH approval. If they are used, they must be NPTF dry seal type.

10.8.9 Whenever practical, in either PATH's or the Contractor's opinion, valves shall be manifold mounted, and if there is disagreement, PATH's opinion shall prevail.

10.8.10 Galvanized or brass tube, pipe or fittings shall not be used.

11.0 Electrical System

11.1 Where applicable, Electrical Systems shall conform to the regulations of the American National Standards Institution (ANSI) and the International Standards Organization (ISO).

11.2 Upon completion of manufacture and before any operation shall begin, all parts shall be clean and free from scale, rust, water and/or any contamination. All materials and workmanship must be of good quality for the intended use.

11.3 Sequence of operation and electrical, physical, and schematic drawings showing the exact circuit(s) in use on the Crane and large enough to be easily followed during trouble-shooting shall be furnished by the Contractor. Subsequent changes shall be covered by new drawings furnished by the Contractor to PATH.

11.4 Whenever practical, components shall be interchangeable.

11.5 Cable shall be routed to prevent exposure to damage. Square tube shall be used to help prevent cable damage.

11.6 DC Systems, when grounded, must have negative ground.

- 11.7 Battery charging alternators must have a rated capacity to handle all Crane equipment and accessories with a 50% reserve.
- 11.8 The DC Electrical System shall be 24 volts.
- 11.9 Circuit breakers shall be utilized for overload protection as required.
- 11.10 The battery box shall be constructed of stainless steel material, shall incorporate adequate drain holes and shall provide proper ventilation when lead acid batteries are used. Auxiliary batteries to support the emergency pump system for stowing of components shall consist of stainless steel material, shall incorporate adequate drain holes, and provide proper ventilation when lead acid batteries are used.
The battery shall be provided with a disconnect key switch and shall have a cover with provisions for locking battery box with a large railroad type padlock. The disconnect key switch shall be easily accessible from the cab of the Crane.
- 11.11 The Crane shall be equipped with two (2) 8D batteries, or the equivalent cold cranking amp reserve capacity. Reserve capacity shall be sufficient to power an auxiliary electric powered emergency pump for sufficient time to completely stow all components and extensions to their travel positions. Emergency system will not be required to have sufficient reserve capacity to remove and stow counterweights.
- 11.12 Standard, industrial grade, readily available components shall be used.
- 11.13 Electrical Apparatus Cabinets (if any used)
 - 11.13.1 Cabinets shall be of steel construction. Clearance between walls and bare "live" parts shall be not less than 1-1/2in., unless affected interior surfaces utilize insulative plastic or fiber sheeting, where a potential in excess of 50 volts exists. Cabinets must be weatherproof.
 - 11.13.2 Electrical Apparatus Cabinets: Panels must be readily removable and parts easily accessible.
 - 11.13.3 Electrical Apparatus Cabinets: Adequate lighting shall be provided in cabinets.
 - 11.13.4 Electrical Apparatus Cabinets: Pipes other than electrical conduit shall not enter cabinets.

- 11.13.5 Electrical Apparatus Cabinets: Interior metal surface walls must be painted with electrical insulating paint or covered with other approved electrical insulating material.
- 11.13.6 Electrical Apparatus Cabinets: Nominal voltages used must be plainly shown on outside of cabinet.
- 11.13.7 Electrical Apparatus Cabinets: All parts and groups of parts shall be identified by function and clear, simple, exact reference to service diagram and parts list. Integral units, such as circuit boards, shall be considered as one part, intended to be replaced as a unit. Where practicable, parts shall be identified in a maintenance and parts catalog in order to minimize errors and time consuming reference to drawings or lists.
- 11.13.8 Electrical Apparatus Cabinets: Wires must be equipped with good quality ring lug or pin terminals and identified with permanent numbered markers, color coded when practical. Terminal posts must be plainly marked. Once used, a number or color code must not be reused for a different circuit. All wires must be neatly dressed and clamped.
- 11.13.9 Housing containing heat producing elements must be properly ventilated.
- 11.14 The Electrical System shall provide a Voltage Reducer, New Mar Model 48-12-35 I, or PATH-approved equal, isolated DC-DC converter to power the 12 VDC Radio Communication System.

12.0 Pneumatic System

- 12.1 System must contain an air pressure gauge in easy view of operator.
- 12.2 Standard air brake hose SAE-J402 Table A1 shall be the only hose used anywhere in the system. Use of push-on barb type fittings is banned, except for control circuits where space is critical, and where working pressure and abrasion is not severe and braking is not involved.
- 12.3 System shall have:
 - 12.3.1 An Air Compressor Discharge Line constructed of heat resistant, teflon, flexible tubing utilizing an outer layer of stainless steel wire braid.

- 12.3.2 An Engine Air Compressor Intake supply commonly connected to the Engine Air Inlet System.
- 12.3.3 The air reservoir shall be equipped with a Bendix automatic dump valve, Model V-2 or equivalent, to exhaust accumulated moisture. The dump valve shall blow down periodically during operation, and shall be equipped with a 24-volt heater mechanism to prevent cold weather freezing. The reservoir shall also be equipped with a manual drain valve.
- 12.3.4 Desiccant type electric air dryers, Model Bendix Turbo 2000, or PATH-approved equivalent, shall be installed as needed to ensure the delivery of moisture-free air

13.0 Crane Cab

- 13.1 Cab is to fit clearance diagram and be provided with hinged door. Cab shall have two seats, one in standard fixed position and one non-swivel seat. Views shall be include windows and monitoring cameras to satisfy 180-degree vision condition. Joy sticks to operate all Crane motions shall be integrated into the armrest of the operators' seat. The cab shall be equipped with air conditioning, independent heating system, windshield wiper with washing unit, and monitoring indicators for oil pressure, diesel tank capacity, water temperature, and high hydraulic temperature conditions. The Cab shall be weather tight. The glazing material shall be 1/4 in. laminated safety glass or tempered glass. Cab left side window shall be divided into two halves with one half fixed and the other half shall have a sliding track window with a closed latch position. The wiper shall be of the 2-speed type with controls within easy reach of the operator.
- 13.2 When Rechargeable Wet Type Batteries are located inside the body or Cab, the top of battery shall be vented to outside air.
- 13.3 The Cab shall be Heated, Air-conditioned and Ventilated. Fresh air intakes shall ensure a minimum of three (3) changes of air volume per hour. Interior temperatures shall be thermostatically controlled through operator adjustment, such that at maximum heating conditions a temperature of 68°F can be sustained, and at maximum cooling conditions a temperature of 85° F can be sustained.
- 13.4 Each seat shall be constructed of durable non-toxic materials. The operator seat position shall be equipped with a cushioned seat and back, employing a natural or man-made leather, over a 3-in. low smoke foam cushion. The train operator's space and equipment shall be properly designed to ensure safe and optimal train operator performance and a maximum field of view

for train operators in the range of the 5th percentile female to the 95th percentile male of the general population.

The operator seat shall be capable of 180-degree rotation and shall be capable of being secured in the front or rear facing position by means of a latch.

The seat shall be placed in the cab to allow for as unrestricted a view as possible.

- 13.5 All switches, valves, levers, controls and adjustments used to start, stop or operate the Crane shall be clearly labeled with weather and wear resistant plates permanently affixed to the Crane or component or with designations of switch and control functions labeled on switches themselves with reference made to specific function in the operator's manual. Controls used in continuous operation of the Crane shall be within easy reach of the operator and shall not interfere with his view of the work. Instruments and gauges not inside a closed, lockable cab shall be protected from vandalism.
- 13.6 A system safety/shutdown lever shall be used to prevent engine from starting without lever in "safe position" Lever shall disable all machine functions when lowered to allow operator to leave operator's cab.
- 13.7 A red emergency shut-down control shall be quickly accessible to the operator and PATH Pilot.
 - 13.7.1 The shut down control must stop the engine and apply the Crane brakes at a reduced pressure to prevent locking of wheels.
 - 13.7.2 An emergency shut-down shall be installed in all operating stations and at each outside corner of the Crane.
- 13.8 The operator's seat/station shall have the controls readily accessible to allow the operator to regulate the following components of operation. These contained controls shall include but not be limited to:
 - a) Service Braking
 - b) Engine Throttle Control
 - c) Gear Selection
 - d) Crane Control Joy sticks

13.9 The operator's console shall contain all other instruments and controls necessary to operate the forward and reverse motion of the Crane in a safe manner. Controls for exterior lights, windshield wipers and horns shall be readily accessible to the operator. All exterior switches shall be weather proof. The controls shall consist of:

A. SWITCHES:

1. Windshield Wiper - Front
2. Windshield Wiper - Rear
3. Defroster Fan - Front
4. Defroster Fan - Rear
5. Headlights - Front/Rear
6. Interior Lights - On/Off
7. Exterior Work Lights - Front/Rear

B. GAUGES OR INDICATOR LIGHTS SHOWING

WARNING CONDITIONS: (If Gauges used, All Gauges shall be 1 amp maximum required.)

1. Oil Pressure Engine
2. Water Temperature
3. Volts
4. Fuel Level
5. Speedometer - MPH

C. CONTROLS

1. Throttle
2. Forward / Reverse
3. Gear Select
4. Electric Horn
5. Parking Brake
6. Engine Kill - Mushroom Button

D. CONSOLE (Shall also have soft exterior lighting.)

E. CIRCUIT BREAKERS: (Are required.)

F. KEY SWITCHES:

1. Ignition
2. Battery disconnect - located outside operator's compartment

14.0 35-Ton Telescopic Boom & Derrick

14.1 The telescopic boom shall consist of three (3) parts: they shall be identified as the (1) basic section, (2) center section, and (3) top section.

14.2 The top section shall be equipped with two (2) nylon sheaves to provide for lifting loads on a two (2) or four (4) part line.

- 14.3 The telescopic speed of the boom shall be approximately 20 ft./min., at minimum.
- 14.4 The telescopic boom shall be derricked by a hydraulic cylinder fixed between the superstructure and the basic boom. In the retracted position, the boom shall be horizontal. In the extended position, the boom shall be able to be raised up to 53 degrees. All values of the lifting capacity shall be calculated so that the time to raise the boom from the horizontal to the steep position will not exceed 50 seconds.
- 14.5 Crane Lifting Safety System
- 14.5.1 The Crane shall be equipped with an onboard LMI (Load Moment Indicator) system capable of monitoring all Crane motions.
- 14.5.2 The system shall interrupt all Crane motions automatically, except swing function, when the system detects any load that is exceeded by 3-5%. An audible and visual warning shall be given when any rated load is exceeded by 3-5%
- 14.5.3 Dynamic load tests shall be performed by exceeding the load by 10%.
- 14.5.4 Static load tests shall be performed by exceeding the load by 25%.
- 14.5.5 The tipping load shall be 33%.
- 14.5.6 Basic Load charts shall be posted inside the cab and on the basic boom section in clear view of the operator's position. A full set of load charts shall be available to the operator for his review while in the cab.
- 14.5.7 Maximum lifting capacity in track direction shall be 70,600 lbs., and in full slew the maximum lifting capacity shall be 64,000 lbs.
- 14.5.8 Boom length must be cable of reaching 39ft.-6in. out front of the Crane coupler at full extension on a horizontal plane of 8 degrees.
- 14.6 Crane Hoisting
- 14.6.1 The hoisting gear shall consist of the hoisting motor, hoisting gear and laminar brake. The brake shall be disconnected by existing oil pressure and shall be applied automatically as soon as the pressure is reduced to zero.
- 14.6.2 The hoisting drum shall have the capacity to store 410 LF of wire rope. The required wire rope shall meet the following

characteristics as a minimum requirement: 17,650 lbs. Pull to lift 70,600 lbs. Maximum on four (4) falls.

- 14.6.3 The rope speed shall range from zero to 252 ft./min, which shall deliver a maximum hoisting speed on four (4) falls of rope of approximate 65ft./min.

15.0 Decking

- 15.1 Decking material shall be 1/4 in. minimum Steel Diamond plate where personnel may be subject to walking on the deck.
- 15.2 Deck plates shall be welded together where serviceability access is not required. Where serviceability access is required, plates shall be bolted for easy removing.

16.0 Radio

- 16.1 Provisions shall be made within the cabin for mounting, by the Contractor, one transit vehicle AAR Radio with separate speaker and separate microphone and an exterior antenna, which will be programmed by PATH or by PATH's designated agent/radio service company. The Contractor shall furnish a source of 12 VDC power as described herein, through a circuit breaker rated at 3 AMPS for the control circuit and 40 AMPS for the transmitter. The Radio shall be of the "clean cab" design and shall meet all AAR Standards.
- 16.2 The Contractor shall provide the following for the radio system:
The radio communication equipment must be similar to the present PATH equipment or of a PATH-approved design similar in fit, form and function. Radios shall be a VX-4204 as manufactured by Vertex Standard or PATH approved equal, and shall be installed in a way that ensures ease of accessibility to and maintenance or replacement of the main power unit, converter unit, fuse blocks and cross mute assembly. There shall be a radio located on each end of the car.
The cross mute assembly shall have one microphone, one-foot switch and one TX lamp located for convenient use of the operator.
In addition to the two-way radio there shall also be an intercom system with external speakers to enable communication to those outside the car and to the work cab and travel cab.
- 16.3 The frequency for each mode will be programmed by a PATH designated agent or internal group: Radios shall be 50 Watts VHF / 45 Watts UHF.

The VHF shall range between 134-174 MHZ and the UHF shall range between 440-470 MHZ: 450-512 MHZ.

- 16.4 An external transmit/receive antenna shall be cab roof mounted and shall be compatible with the VX-4204 or PATH approved radio.

17.0 Towing

- 17.1 Furnish and install one (1) Pintle hook at each end of the Crane.
- 17.2 The Pintle Hook shall be 14 in., + or ½ in., from the top of rail to centerline of tow eye as measured with new wheels.
- 17.3 Furnish one (1) Tow Bar of a minimum 6-foot length and of a strength equal to 150% of the Draw Bar force required by the maximum load coupled to the Crane shall be provided and stowed in an accessible area of the Crane, rings shall fit pintle hook described in 17.1.
- 17.4 Unless otherwise specified, all performance requirements throughout the Technical Specification shall be applicable to a tare weight Crane pulling a 100-ton work car consist while maintaining a speed of 25 mph on level tangent track and a speed of 5 mph up to 5% grade. Towing of work car shall be by Wabtec type coupler or PATH-approved equal, as specified in Section 20.

18.0 Exterior Lights

- 18.1 The Crane shall be equipped on both ends with the following Exterior Lights:
 - a) Two (2) 4-inch Minimum Red Marker Lights, LED Type
 - b) Two (2) Headlights, U.S. Reflector Xenon X-4500 Broad Beam or PATH-approved equal

The operation of these lights shall be as follows, and shall be automatically switchable as the vehicle direction is selected:

CAB-END LEADING	FORWARD	REVERSE
RED Marker Light	OFF	ON
Head Lights	ON	OFF
REAR-END LEADING		
RED Marker Light	OFF	ON
Head Lights	ON	OFF

- 18.2 The work deck area shall be illuminated with the following Exterior Lights:
One (1) Switchable, shall be U.S. Reflector Xenon X-4500 Wide Flood, or PATH-approved equal, to illuminate decking area.
- 18.3 Amber strobe LED lights shall be mounted so they can be seen from either end of the Crane

19.0 Travel Speed

- 19.1 Both axles on each of the two (2) trucks of the Crane shall be driven and shall permit operation at maximum torque speed, in both directions of travel. The power plant shall permit operation under full design load at speeds of not less than 30 mph, on level tangent track, and not less than 8 mph, on a gradient of 6%, but shall be governed to prohibit operation above 40 mph under minimum load conditions. The accuracy of speed regulation shall be within the following ranges:
Speed: < 1 mph Up to 5 mph ; Full (Load); + or -0.5 mph (Accuracy)
Speed: > 5 mph Up to 25 mph; Minimum (Load); + or - 2.0 mph (Accuracy)
- Speed: > 5 mph Up to 25 mph; Maximum (Load); + or - 0.5 mph (Accuracy)

20.0 Coupler

- 20.1 Each end of the Crane shall be equipped with a coupler arrangement as manufactured by WABCO, part number 57719-3001 and WABCO Yoke Draft Assembly, or PATH approved equal, furnished new and capable of negotiating minimum curves as specified herein when coupled to a flat car, locomotive, crane car, hopper car or any other PATH work equipment and passenger Car now in use on the PATH system.

This Ohio Brass Form 8501 hook type coupler is an integral part of the air brake system of the Crane and the cars it will be designed to pull. In addition to mechanically coupling with the trailing cars, through this coupler are the straight air, feed valve and brake pipe air lines that operate in conjunction with each of the trailing cars air brake operating units. As coupling occurs, the tappet valves that are part of the coupler assembly for each of the three aforementioned air lines come together and are opened, allowing the air to pass through to the next car. These couplers are designed only to function with each other, both mechanically and pneumatically. Without this compatibility, the cars will not mechanically couple nor will the air brake system for the cars function properly.

Coupler adjusted to 34-1/2in. (28-1/2in. from center on knuckle centerline above the rails).

The various components of the coupler structure shall withstand the following static loads without yielding or buckling and shall meet or exceed all FRA regulations:

Coupler Loading

Component	Draft lbs. (kN)	Buff lbs. (kN)
Coupler Housing	200,000 (890)	200,000 (890)
Coupler Anchor Assembly and Structure	300,000 (1,330)	300,000 (1,330)

- For any horizontal position of the coupler, its carrier and the Crane structure shall withstand, without yielding, a vertical load (both directions) of 50,000 lb. (225 kN) applied at the coupler face.
- The coupler housing shall withstand a working load of 100,000 lb. (445 kN), and shall not fail under an extreme load test of 400,000 lb. (1,780 kN) in tension or compression.

20.2 The coupler and draft gear system shall include means for connecting and braking the Crane with PATH’s existing work cars (see Attachment 3, Air Brake Schematic).

20.3 Coupler swing and vertical motion shall accommodate track conditions and parameters as specified herein, with new and fully worn wheels.

21.0 Clearance

21.1 Clearance of fixed system points: The Crane and appurtenances must successfully operate and negotiate within the constraints of the physical structures of the PATH System.
 The Crane must meet the clearance requirements of being able to travel around a 115 foot curve with bench wall 2ft.-11in. from gauge of running rail above track rail by a minimum of 1½” (see Attachment 4, PATH Track Features, and Attachment 7, Location of Contact Rail, Drawing File #98, Serial #4488).
 The vehicle dynamic envelope (Attachment 1-1, Carbody Kinematic Envelope, drawing 2P395305-1041-C) represents the spatial envelope within which the Track Inspection Car shall remain under all operating conditions. The dynamic envelope provides a safety zone relative to fixed

facilities. The Crane shall be constructed so that it meets all of the clearance requirements for the worst case car and wayside conditions, including wheel wear, rail wear and suspension deflection conditions.

The Crane shall be able to travel safely on curves with a radius as sharp as 90 feet. There shall be sufficient clearance between the various parts to permit any rotation necessary to negotiate a 90-foot radius curve.

Platform dimensions are approximately as follows: platform height above base of rail: 3ft-6in to 3ft-7½in; and minimum distance from edge of finished platform to centerline of track in tangent: 4ft-7½in (for curved platform, this dimension varies).

- 21.2 Components which may encroach upon track, signal, crossing or other structures on or along a railway must have a positive mechanical lock to secure these components in a safe position for travel.
- 21.3 No Component shall be less than 3in. above the plane extending from the ball of one (1) rail to the ball of the other rail. Clearance to the cover board shall be maintained within the above constraints.
- 21.4 All components which may present a hazard to operator, assistant or bystanders shall be protected with a shield or safety device.
- 21.5 Handrails or grab irons shall be installed wherever it is intended that personnel board the Crane . The lowest step used for boarding the machine shall be not more than 12in. above the top of the running rail, when measured with fully worn wheels. Any area more than 3 ft. above the top of the running rail (where persons are expected to walk or pass) shall be protected by rigid tubular handrails. The handrails shall be no less than 1-1/4in. O.D. diameter, 42in. high, with a secondary rail 24in. high. A 3in. kick board shall be provided to prevent entry into potentially hazardous areas. All floor walking areas shall be of diamond plate, or PATH-approved non-skid material.

22.0 Initial Preparation and Servicing

- 22.1 The Crane shall be delivered completely lubricated and serviced with all equipment installed for immediate operation, except for fuel. Water cooled engines are to be protected from freeze up by a 50/50 solution of ethylene glycol base anti-freeze (rust inhibitive type) unless otherwise specified, and the radiator marked or tagged to show the Manufacturer and type of coolant used and actual protection afforded.

22.2 FIRE SUPPRESSION SYSTEM

22.2.1 A UL listed AFSS, complete with optical infrared fire sensors, protection control panel, vehicle interface and extinguishing system, shall be provided within the engine compartment of the diesel engine.

- System Qualification: The provider of the AFSS must be factory trained and have been in the train fire protection business for at least three years prior to the contract award. The selected provider shall have provided similar systems on at least three types of railroad MOW (maintenance of way) equipment to transit equipment and one Class One railroad in the preceding thirty six months.
- The system shall operate as follows: Upon detection of a fire the protection control panel shall alert the operator of the Crane with visual and audible signals as the system is automatically and immediately activated.
- The system shall be manufactured in the United States of America and shall be electronically actuated.

22.2.2 Area to be Protected: The scope of this specification is to cover the entire enclosed engine compartment.

22.2.3 Protection Control Panel

- The protection control panel shall be clearly visible and within reach of the Crane operator. The function of all controls, gauges and switches shall be clearly identified. The control panel shall be supplied with a self-recharging nickel metal hydride back-up battery to provide protection to the Crane in the event of a temporary power loss for up to twenty-four (24) hours.
- The protection control panel shall incorporate the following operator controls:
 - Alarm Silence: Visual and audible alarm test which verifies LED, alarm and relay function.
 - Delay engine stop
 - Relay Reset: Relay circuit that includes both closed and open contacts which transfer at the end of the time delay period.
 - The protection control panel shall provide a programmable time delay after activation (0, 15, or 30 seconds) prior to activating the engine shutdown circuits. The audible alarm shall produce 85 decibels at 3 ft. distance. A green light shall indicate system is operating normally. Red service lights shall indicate system trouble, and Red Fire lights shall indicate system activation.

22.2.4 Manual Discharge Switch

A manual discharge switch shall be provided within easy reach of the operator and clearly marked. The switch shall be protected against

inadvertent activation by means of a protective guard held in place through the switch. The protection control panel shall indicate a manual discharge event with a unique visual display that cannot be reset by the operator. A second manual discharge switch shall be located outside the operator's compartment easily accessible by ground personnel.

22.2.5 Fire Detection

Fire detection shall be located in the engine compartment and shall be of a modular linear detection type assembly utilizing AMP connectors. The linear detection shall have a spring guard cover on it to protect it from false-sensing due to vibratory or mechanical damage. Detection shall be placed under all horizontal bulkheads, above and downwind of heat sources, and in areas where fluid leakage from the engine may be present. The sensor shall have a detection value of 356F degrees, and a length of at least ten (10) feet. The Contractor shall coordinate with the AFSS manufacturer shall determine the location of the sensor. The sensor shall be immune to typical false alarm sources found on a railroad Maintenance of Way (MOW) machine.

22.2.6 Fire Suppression

The fire suppression system shall be pre-engineered and shall consist of a cylinder with fire suppression agent, at least four nozzles and a distribution system designed for the application for a railroad MOW machine. The fire suppression system shall be installed in accordance with the AFSS manufacturer's installation manual.

22.2.7 Suppression Agent Storage Cylinder

The agent tank shall be of the stored pressure type and shall consist of a valve and Department of Transportation (DOT) approved cylinder. The cylinder shall be functional in a horizontal position and shall be charged with a minimum of twenty-five (25) pounds of BC rated Purple K pressurized to a minimum of 350 psi. The valve shall incorporate the pressure gauge and shall accept a linear actuator via a brass electric control head, which shall retain an actuator piston and locking ring, which presses down on the cylinder valve when the linear actuator is activated.

22.2.8 Electrical Requirements

The input voltage shall be 24VDC. The fire suppression system shall be compatible with SAE recommended practice J1211, and shall have passed SAE J1113. It also shall have passed UL 1254 Environmental Test Standards. The AFSS shall not require more than 47ma (milliamps) of current for normal operating conditions, 47-52ma in a fault condition, and no more than 78ma in an alarm condition.

22.2.9 Harness

The modular harness shall be UL listed complete with AMP connectors.

22.2.10 Location of Work to be Performed

Port Authority Trans-Hudson specifies that the system shall be installed at PATH at 120 Academy Street, Jersey City, NJ 07302.

22.2.11 MANUAL FIRE SUPPRESSION

A non-electric, nitrogen cylinder shall be located inside the cab to actuate a second fire suppression cylinder. The manually activated cylinder shall discharge through the same nozzles in the engine compartment as the AFSS.

23.0 Paint

23.1 Contractor shall ensure that Manufacturer uses paints which meet OSHA regulations and standards, and which do not have any known history of biological hazards due to long term exposure. Passive respirators and eye protection shall be the only safety or health equipment necessary equipment to protect workers making repairs.

23.2 Contractor shall ensure that Manufacturer also utilizes proper surface preparation, including the use of sandblasting 2.5, epoxy or urethane type rust inhibiting primer and finish coats, to provide a glossy, high quality, durable, and fade resistant finish.

23.3 Exposed parts of the Crane shall be painted U-Tech (Chrome Yellow), # UTCB9355-MX/GL, Urethane except as follows:

Diesel Fuel Tank: GREEN

Hydraulic Reservoir: BLUE

Coolant Tank: GRAY

Wheels and Handrails: BLACK

Lifting Lugs: BLACK

Safety Locks: RED

Jacking Points or Pads: BLACK

Engine and Other Parts: Manufacturer's Option

23.4 The name of fluid and the words "CHECK DAILY" shall be stenciled on each tank in 1" letters. Total Crane weight with all tanks filled shall be plainly marked on both sides of the Crane in 1-1/2" letters: WEIGHT _____ Lbs. (Manufacturer/Contractor to fill in the blank.)

- 23.5 All equipment shall be protected by finishes suitable to the environment. Moving parts shall be self-lubricated or shall contain provisions for full application of all lubricants.
- 23.6 Exteriors exposed to the elements shall be finished by a minimum three (3) coat process. The base coat shall contain a rust inhibitor phosphatized coating and shall be thoroughly bonded to base metals (with a minimum final thickness of 160-180 microns).

24.0 Labeling

- 24.1 The Crane shall have identification labels on sides and rear of unit indicating "RC-01" in 8 in. letters.
- 24.2 All applicable safety decals shall be attached including all mandatory ANSI safety decals on Crane. Decal installation on Crane shall conform to manufacturer's recommendation.

25.0 Noise exposure

Shall not exceed permissible exposure for operators, assistants, and workmen for a continuous eight-hour work day. Noise sources and Crane cab shall be treated to bring about total compliance with the following conditions: Less than 90 dBa at 10 ft. from the power plant housing and less than 85 dBa at 50ft. from the centerline of the track, or comply with MIL-HDBOOK-1472, Human Engineering Design, whichever is more restrictive.

26.0 Shipping

Equipment shall be constructed, prepared and loaded so that it will withstand without damage handling likely to be encountered during delivery. Valuable and easily pilfered parts such as batteries, tools and loose small items shall be shipped in such a manner as to resist pilferage.

27.0 Parts and Instruction Books

- 27.1 Complete parts and instruction books shall be delivered according to the address below as outlined by the following:
- a) 365 days after approval of Contract revisions - two (2) sets of preliminary operator and maintenance manuals shall be delivered for review;

- b) 420 days after approval of Contract revisions - one (1) complete set of operator's manuals shall accompany the Crane delivered as the result of this Contract;
- c) Manuals shall be packaged in a waterproof container permanently affixed to the body of the Crane. Service manuals and additional copies of operators manuals shall be delivered to address referenced below;
- d) Final review of manuals shall take place during start-up and training prior to finalization and shipment of the manuals listed in section 30.1;
- e) Four (4) additional sets of parts manuals on Compact Disks shall be forwarded not later than 420 days after contract revision approvals to:

PATH
Attention: John Wargo
120 Academy Street
Consolidated Maintenance Shop
Jersey City, NJ 07302

- 27.2 Manuals shall contain complete and easily read diagrams of all system on the machine and shall employ American Standard symbols and notations. Complex technical data package (including drawings, part numbers, and sources for all spare parts) shall be provided.
- 27.3 The Crane shall incorporate, on the outside of the Crane where possible and readily visible during daily machine inspections, a metal etched pictorial placard or placards designating lubrication points, indicating types of lubricants, location of lube point(s) on Crane and frequency of checking, or changing or applying lubricants. These placards must be designated by part number for the appropriate machines. Parts book must also contain a comprehensive lubrication chart for the appropriate type machines.

28.0 Repair Parts and Service

- 28.1 Equipment shall be delivered with a full complement of all recommended spare parts necessary to ensure successful start-up and total operational capability for a minimum of one (1) year.
- 28.2 Additionally, obtain from the Manufacturer and deliver to PATH a comprehensive list of spare components, inclusive of current prices. A separate list of parts necessary for routine maintenance and recommended on-hand quantities shall also be submitted. The list may be based on

empirical failure data, or industry standard reliability failure predictions, and availability Mean Time Between Failures (MTBF) reliability data.

- 28.3 Reliability and availability of this equipment is critical. While under warranty, the Contractor shall provide short-notice on-site support when required.
- 28.4 The OEM part number shall be supplied for all commercially available standard parts and components purchased by the Contractor from external sources. OEM parts modified by the Contractor to meet the needs of this procurement shall be clearly identified by a unique number in the parts manual. Use of unique parts and assemblies must comply with Section 1.4.

29.0 Delivery

- 29.1 Upon equipment delivery, the Contractor shall perform acceptance testing at PATH. Acceptance test plans shall be submitted by the Contractor ten (10) working days prior to performing the test for PATH approval. At a minimum, acceptance tests shall include:
- Tow Capacity Verification
 - Braking Capability Verification
 - Hydraulic System Performance Check
 - System Clearance Checks (within the PATH System)
 - Radio Frequency & Power Test
 - Vehicle Lighting Test
 - Heating & Cooling Test
 - Noise Level Measurements
- 29.2 Delivery and all testing shall take place the first business day, 540 days after award of Contract at the PATH Consolidated Shop, 120 Academy Street, Jersey City, NJ 07302. The Crane shall be fully operational at time of delivery; the Contractor shall be responsible for any and all costs associated with the delivery and unloading of the Crane onto the PATH tracks.
- 29.3 Arrange for a Manufacturer's Representative to place equipment in service and instruct PATH operators, mechanics, and supervisors at a location to be specified by PATH (not necessarily at the Crane delivery point).

30.0 Start-Up and Training

- 30.1 The Contractor shall provide the service of one (1) trainer for a period of one (1) week to provide start-up assistance and training in the operation of the Crane.

- 30.2 The Contractor shall provide a maintenance training course for ten (10) PATH equipment maintainers. This course shall be given at PATH and shall be of a duration not less than five (5) consecutive calendar days for a total of forty (40) hours of instruction and shall not be concurrent with the stand-up assistance and training.

31.0 Manuals and Documentation

- 31.1 The Contractor shall provide ten (10) sets of Operation and Maintenance Manuals and three (3) complete sets (assembly drawings 11" x 17" for the Crane).
- 31.2 Prepare and deliver to PATH manuals of 8-1/2in. x 11in. pages shall be in binders 10in. to 11-1/2in. wide (depending on ring size) and 11in. to 12in. high. The binders shall not exceed 3in. overall thickness. Punched holes shall be on 3/4in. centers. Folding pages will be permitted (11in. x 17in., "Z" folded) where the information to be conveyed cannot be presented clearly on single pages. Manuals of 8-1/2in. x 11in. pages may be divided into Book 1, Book 2, etc., if the required material cannot be accommodated within the maximum binder thickness. Table of Contents shall be provided in each book.
- 31.3 All sections shall be sub-divided, to the extent required by the subject matter, into the following topics:
- a. General Sub-systems Description and Operation.
 - b. Block Diagram.
 - c. Signal Floor Diagrams.
 - d. Functional Schematics.
 - e. Functional Wiring or piping Diagrams.
 - f. Troubleshooting Techniques.
 - g. Lubrication and Cleaning, including frequency, Methods and Trade Identifications of Recommended Materials; Component Locating and Description.
 - h. Inspection and Maintenance Standards, Including Wear Limits, Settings and Tolerances.
 - i. Installation and Removal.
 - j. Test and Evaluation Procedures.
 - k. Recommended Overhaul.
 - l. Boom Control.
 - m. Hoisting/ Wire Rope.
- 31.4 All parts shall be identified and cataloged within each individual system.

31.5 Technical Manuals

- a. Technical manuals shall contain a complete list of OEM part numbers for all consumable replacement items, including replacement filters and drive belts, and other high wear items. OEM reliability data and documentation for manufacturers recommended, and scheduled maintenance requirements for all major components, assemblies and subassemblies shall be provided as an integral part of the technical manuals.
- b. Technical manual wiring diagrams related to on-board diagnostics and automated components shall identify critical test points and corresponding electrical values.
- c. Technical manual pneumatic and hydraulic diagrams shall identify critical test points with corresponding pressure / temperature values.
- d. Technical manuals shall contain fault tree and problem / cause style troubleshooting guides for electrical, pneumatic and hydraulic systems.

32.0 Warranty

The Contractor shall comply with the warranty provisions, as stated in Part III “Contract Specific Terms and Conditions,” Section 13.

33.0 Exceptions

- 33.1 All welds must comply with the associated and established American Welding Society (AWS) standards except for the additions, modifications, deletions, or further clarifications stated below:
AWS Para. No. 1.6, Buyer Exc. No. 1, Welding standards that comply with DIN 6700 of the German Railway Standards is an acceptable industry standard.
- 33.2 The Crane shall comply with and conform to all Federal, State and Local environmental, safety and health regulations in force at the time of delivery, except for the additions, modifications, deletions, or further clarifications stated below:
Para. No. 1.8, Buyer Exc. No. 1, The European Standard if applied must be equal to or exceed the requirements of U.S. standards for safety and health regulations in force at the time of delivery.
- 33.3 All fasteners shall meet requirements of ASTM-A-325 except for the additions, modifications, deletions, or further clarifications stated below:

- a) ASTM-A-325 Para. No. 2.2, Buyer Exc. No. 1, Fasteners, bolts, nuts, steel plates manufactured standards that are in accordance with the industry standard of DIN EN is an acceptable standard.
- b) ASTM-A-325 Para. No. 2.2, Buyer Exc. No. 2, Fasteners, bolts, nuts, steel plates manufactured under the DIN EN standard must be equal or better in comparison to the ASTM-A-325 standard.
- c) ASTM-A-325 Para. No. 2.2, Buyer Exc. No. 3, Fasteners, bolts, nuts, steel plates quoted in accordance with this Specification must be proven in service for at least one year in not less than two similar applications.

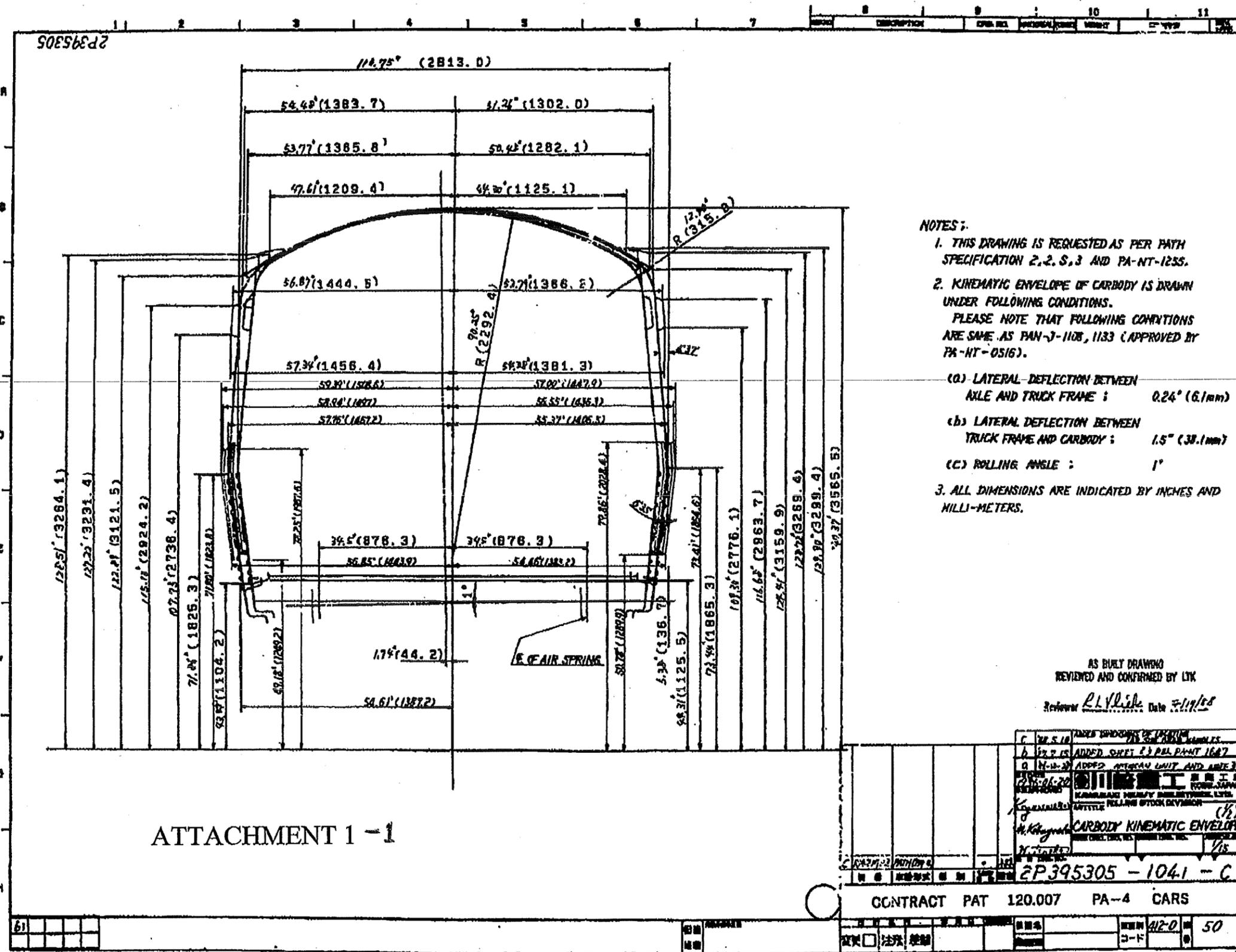
33.4 Brake shoes shall be of a composition type (Cobra or approved equal).

33.5 The design of members, and the assembly thereof, shall withstand all stresses imposed by continuous dead and live loads, without bending more than 1/8 in. in a span of 12 ft., except for the additions, modifications, deletions, or further clarifications stated below:

- a) Para. No. 4.15, Buyer Exc. No. 1, The Crane must be designed and assembled to withstand all stresses imposed by continuous dead and live loads without exceeding the 120,000 lbs.

34.0 Standard Clearance Package Drawings (Attached)

- 1-1: Carbody Kinematic Envelope
- 1-2: Carbody Static Envelope
- 2: Clearance Limiting Outline – Undercar
- 3: Air Brake Schematic
- 4 : PATH Track Features - Tunnel & Outside Areas Equipment Clearances
- 5: Assembly of Contact Rail and Protection Board
- 6: Contact Rail Assembly
- 7: Location of Contact Rail in Highest Position Above Track Rail
- 8: Automatic Train Stop Tripper Arm
- 9: Coupler Head Assembly
- 10: Yoke: Draft Gear Assembly



- NOTES:
- THIS DRAWING IS REQUESTED AS PER PATH SPECIFICATION 2.2. S.3 AND PA-NT-1255.
 - KINEMATIC ENVELOPE OF CARBODY IS DRAWN UNDER FOLLOWING CONDITIONS.
PLEASE NOTE THAT FOLLOWING CONVENTIONS ARE SAME AS PAN-J-1108, 1133 (APPROVED BY PA-NT-0516).
 - (a) LATERAL DEFLECTION BETWEEN AXLE AND TRUCK FRAME : 0.24" (6.1mm)
 - (b) LATERAL DEFLECTION BETWEEN TRUCK FRAME AND CARBODY : 1.5" (38.1mm)
 - (c) ROLLING ANGLE : 1'
 - ALL DIMENSIONS ARE INDICATED BY INCHES AND MILLI-METERS.

AS BUILT DRAWING
 REVIEWED AND CONFIRMED BY LTK
 Reviewer *R.L. White* Date *7/19/68*

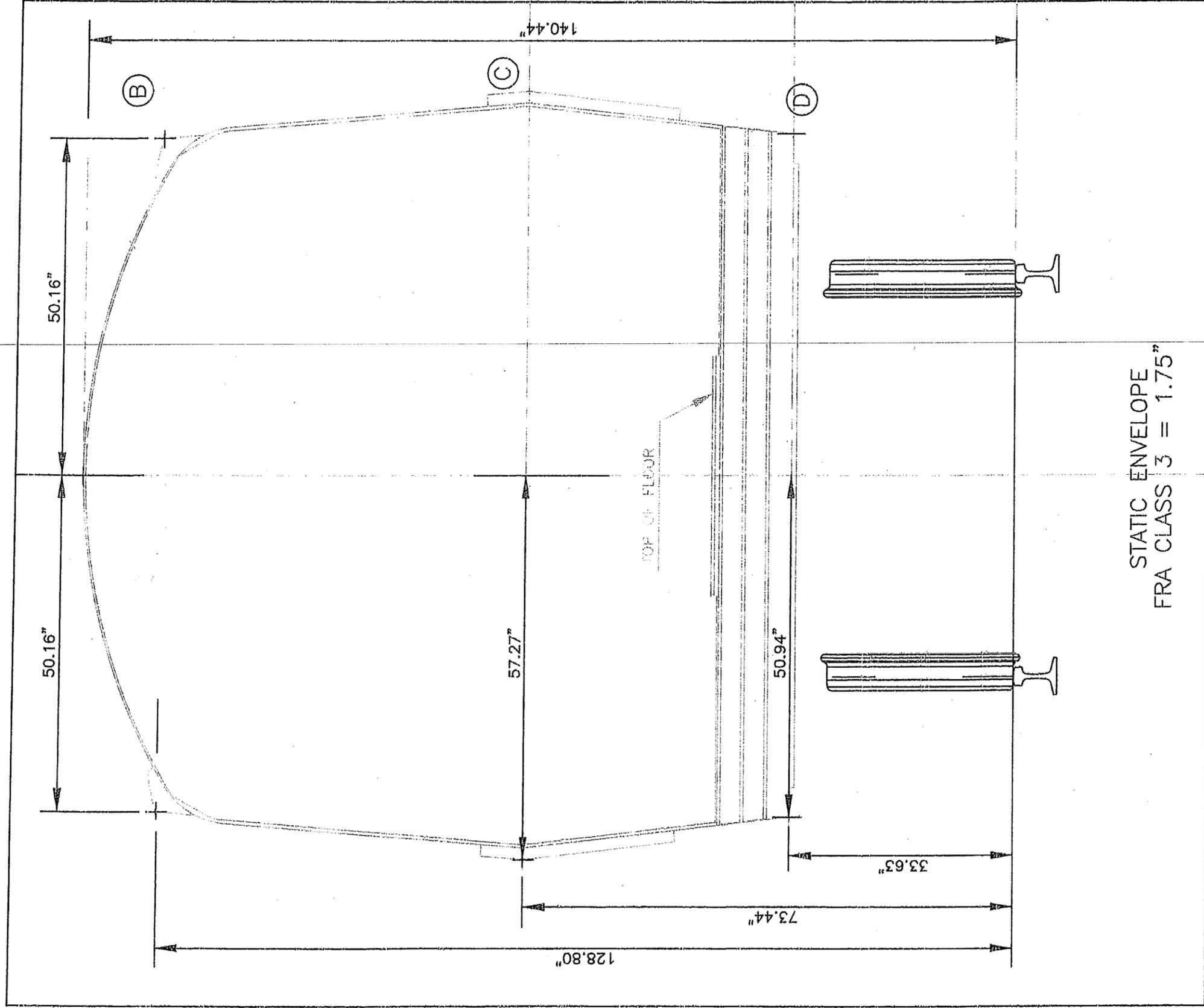
ATTACHMENT 1-1

REV. NO.	DATE	DESCRIPTION
1	7/19/68	ADDED SHEET #1 PA-NT-1687
2	7/19/68	ADDED METRIC UNIT AND ANGLE 3
3	7/19/68	ADDED METRIC UNIT AND ANGLE 3
4	7/19/68	ADDED METRIC UNIT AND ANGLE 3
5	7/19/68	ADDED METRIC UNIT AND ANGLE 3
6	7/19/68	ADDED METRIC UNIT AND ANGLE 3
7	7/19/68	ADDED METRIC UNIT AND ANGLE 3
8	7/19/68	ADDED METRIC UNIT AND ANGLE 3
9	7/19/68	ADDED METRIC UNIT AND ANGLE 3
10	7/19/68	ADDED METRIC UNIT AND ANGLE 3
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21	7/19/68	ADDED METRIC UNIT AND ANGLE 3
22	7/19/68	ADDED METRIC UNIT AND ANGLE 3
23	7/19/68	ADDED METRIC UNIT AND ANGLE 3
24	7/19/68	ADDED METRIC UNIT AND ANGLE 3
25	7/19/68	ADDED METRIC UNIT AND ANGLE 3
26	7/19/68	ADDED METRIC UNIT AND ANGLE 3
27	7/19/68	ADDED METRIC UNIT AND ANGLE 3
28	7/19/68	ADDED METRIC UNIT AND ANGLE 3
29	7/19/68	ADDED METRIC UNIT AND ANGLE 3
30	7/19/68	ADDED METRIC UNIT AND ANGLE 3
31	7/19/68	ADDED METRIC UNIT AND ANGLE 3
32	7/19/68	ADDED METRIC UNIT AND ANGLE 3
33	7/19/68	ADDED METRIC UNIT AND ANGLE 3
34	7/19/68	ADDED METRIC UNIT AND ANGLE 3
35	7/19/68	ADDED METRIC UNIT AND ANGLE 3
36	7/19/68	ADDED METRIC UNIT AND ANGLE 3
37	7/19/68	ADDED METRIC UNIT AND ANGLE 3
38	7/19/68	ADDED METRIC UNIT AND ANGLE 3
39	7/19/68	ADDED METRIC UNIT AND ANGLE 3
40	7/19/68	ADDED METRIC UNIT AND ANGLE 3
41	7/19/68	ADDED METRIC UNIT AND ANGLE 3
42	7/19/68	ADDED METRIC UNIT AND ANGLE 3
43	7/19/68	ADDED METRIC UNIT AND ANGLE 3
44	7/19/68	ADDED METRIC UNIT AND ANGLE 3
45	7/19/68	ADDED METRIC UNIT AND ANGLE 3
46	7/19/68	ADDED METRIC UNIT AND ANGLE 3
47	7/19/68	ADDED METRIC UNIT AND ANGLE 3
48	7/19/68	ADDED METRIC UNIT AND ANGLE 3
49	7/19/68	ADDED METRIC UNIT AND ANGLE 3
50	7/19/68	ADDED METRIC UNIT AND ANGLE 3

CONTRACT PAT 120.007 PA-4 CARS

2P395305-1041-C

50



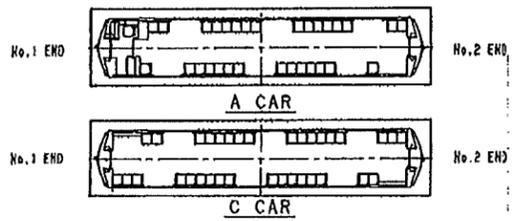
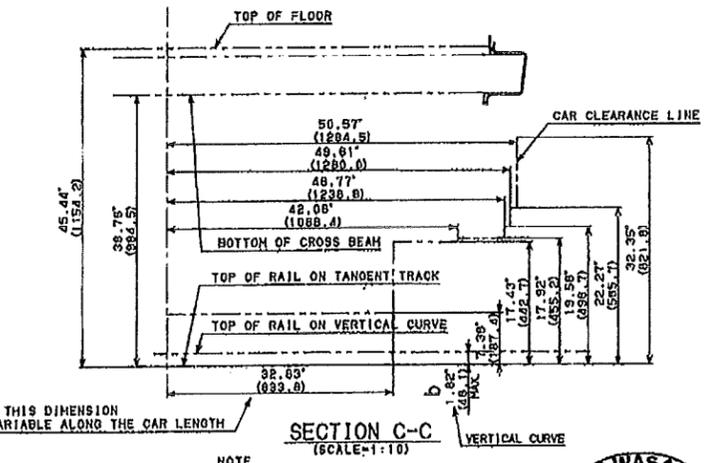
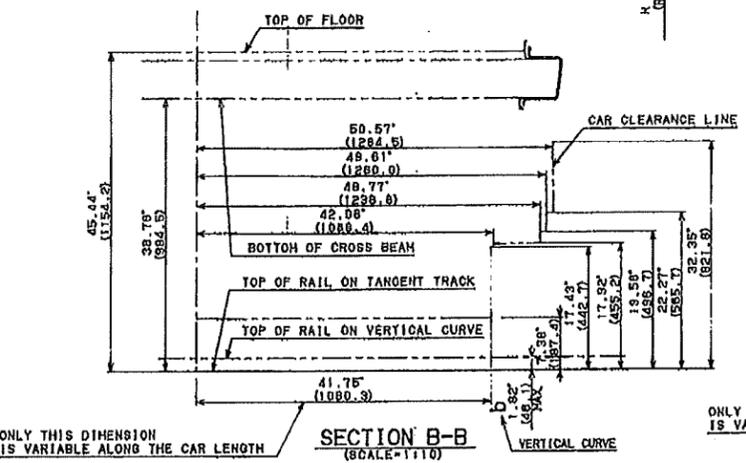
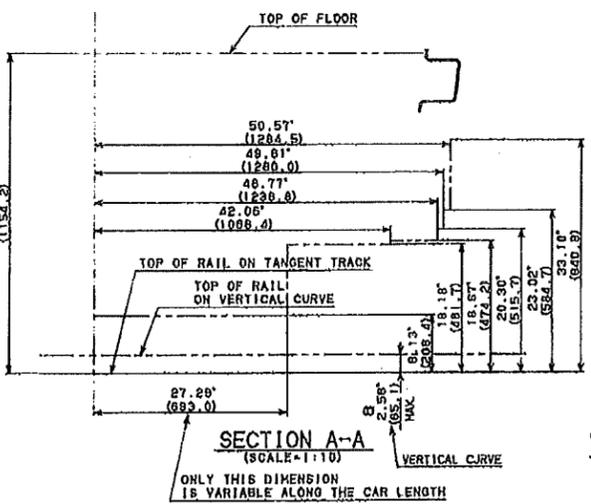
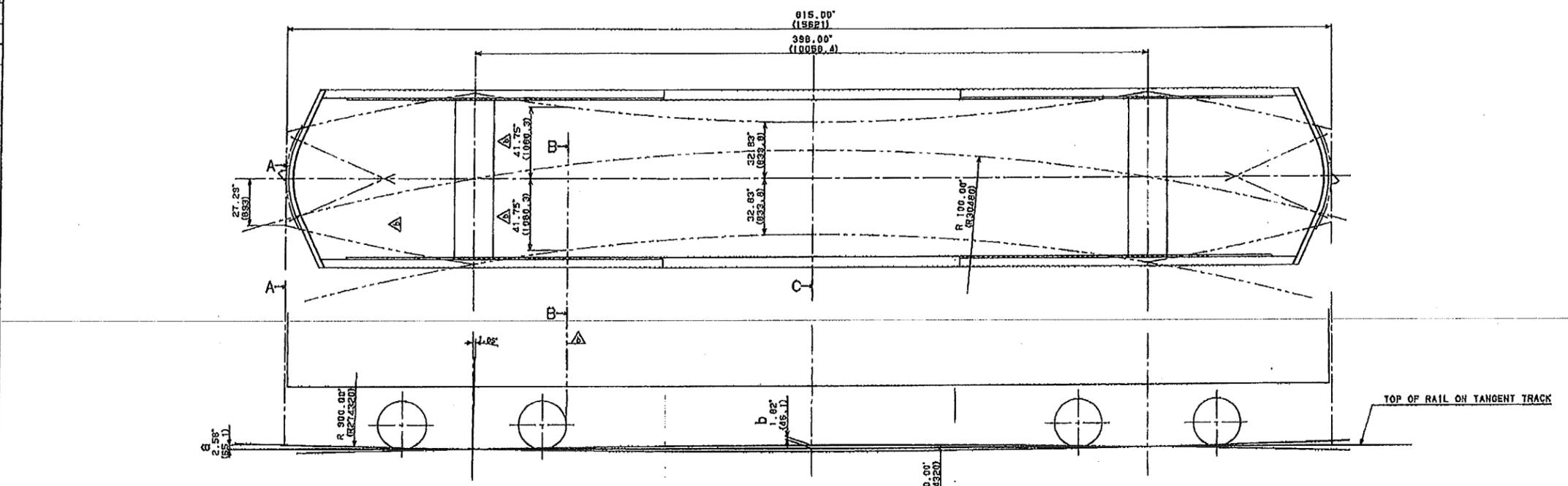
STATIC ENVELOPE
FRA CLASS 3 = 1.75"

Designed by _____ Drawn by _____ Checked by _____	Discipline _____	Date _____	of _____ Worksheet _____
		Contract Number _____ PID Number _____	Drawing Number _____

ATTACHMENT 1-2

13023-03501b

PE
B
C
D
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F
G
H
Y



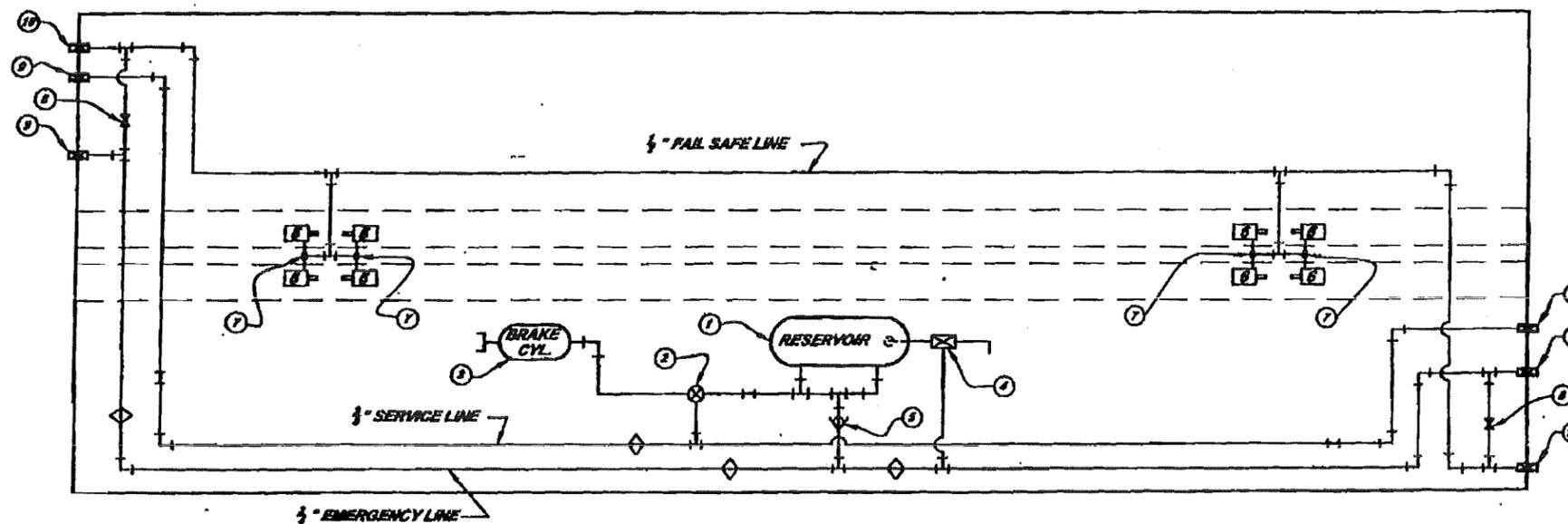
APPLICABLE CAR	SET/CAR	WT/PAIR	APPROXIMATE
A	1		ALL CARS
C	1		ALL CARS

Subject to the Authority's rules and Regulations...
 Subject to the Authority's rules and Regulations...
 Subject to the Authority's rules and Regulations...

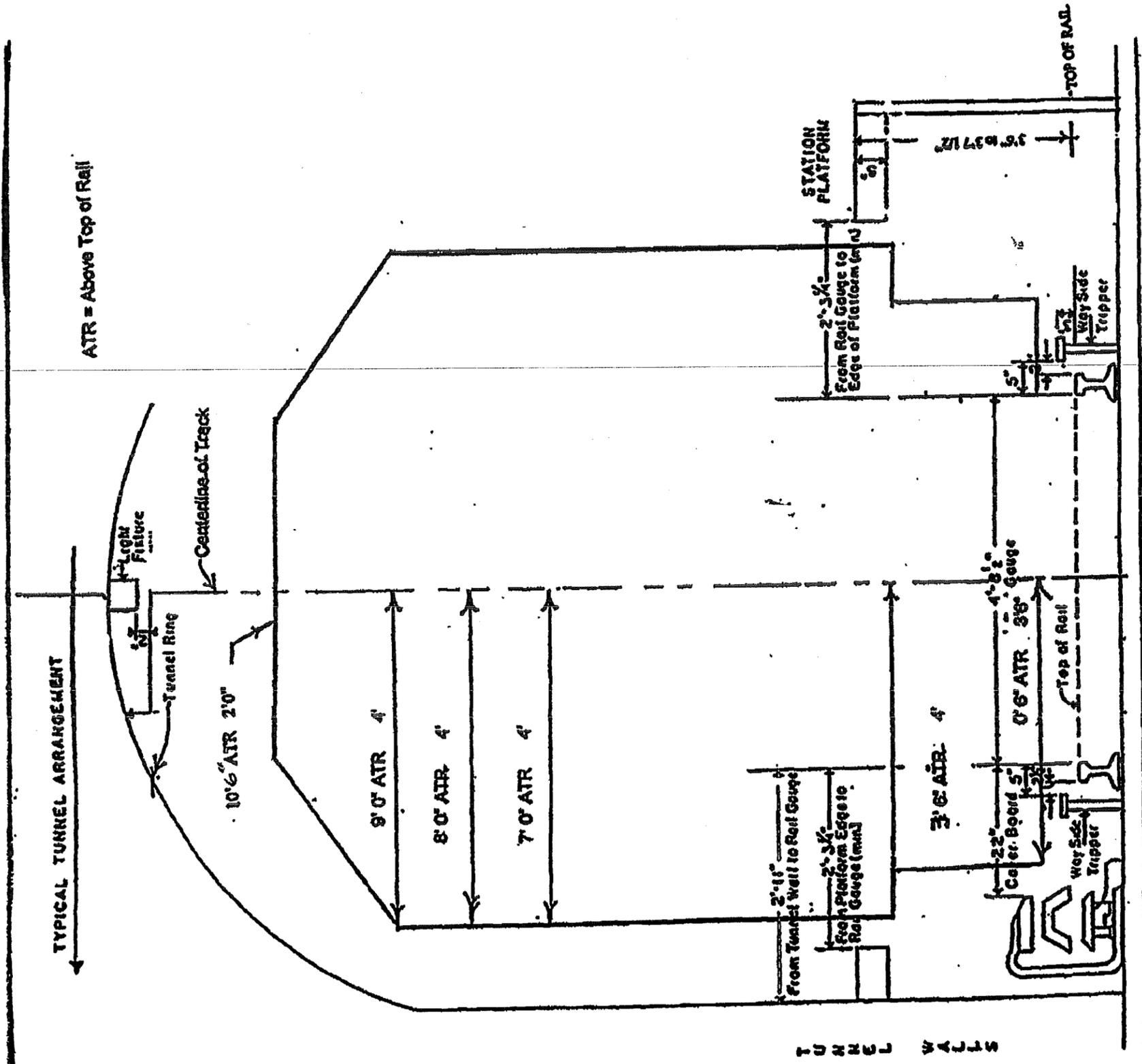
UNLESS OTHERWISE SPECIFIED	TOLERANCE OF DIMENSIONS
0.001" - 0.004" (0.0254 - 0.1016)	±0.001" (0.0254)
0.004" - 0.009" (0.1016 - 0.2286)	±0.001" (0.0254)
0.009" - 0.019" (0.2286 - 0.4827)	±0.001" (0.0254)
0.019" - 0.039" (0.4827 - 0.9906)	±0.001" (0.0254)
0.039" - 0.079" (0.9906 - 2.0067)	±0.002" (0.0508)
0.079" - 0.158" (2.0067 - 4.0114)	±0.003" (0.0762)
0.158" - 0.317" (4.0114 - 8.0228)	±0.004" (0.1016)
0.317" - 0.634" (8.0228 - 16.0456)	±0.005" (0.1270)
0.634" - 1.268" (16.0456 - 32.0912)	±0.006" (0.1524)
1.268" - 2.536" (32.0912 - 64.1824)	±0.008" (0.2032)
2.536" - 5.072" (64.1824 - 128.3648)	±0.010" (0.2540)
5.072" - 10.144" (128.3648 - 256.7296)	±0.012" (0.3048)
10.144" - 20.288" (256.7296 - 513.4592)	±0.015" (0.3810)
20.288" - 40.576" (513.4592 - 1026.9184)	±0.020" (0.5080)
40.576" - 81.152" (1026.9184 - 2053.8368)	±0.025" (0.6350)
81.152" - 162.304" (2053.8368 - 4107.6736)	±0.030" (0.7620)
162.304" - 324.608" (4107.6736 - 8215.3472)	±0.040" (1.0160)
324.608" - 649.216" (8215.3472 - 16430.6944)	±0.050" (1.2700)
649.216" - 1298.432" (16430.6944 - 32861.3888)	±0.060" (1.5240)
1298.432" - 2596.864" (32861.3888 - 65722.7776)	±0.075" (1.9050)
2596.864" - 5193.728" (65722.7776 - 131445.5552)	±0.090" (2.2860)
5193.728" - 10387.456" (131445.5552 - 262891.1104)	±0.110" (2.7940)
10387.456" - 20774.912" (262891.1104 - 525782.2208)	±0.130" (3.3020)
20774.912" - 41549.824" (525782.2208 - 1051564.4416)	±0.160" (4.0640)
41549.824" - 83099.648" (1051564.4416 - 2103128.8832)	±0.190" (4.8160)
83099.648" - 166199.296" (2103128.8832 - 4206257.7664)	±0.230" (5.8420)
166199.296" - 332398.592" (4206257.7664 - 8412515.5328)	±0.280" (7.1120)
332398.592" - 664797.184" (8412515.5328 - 16825031.0656)	±0.340" (8.6340)
664797.184" - 1329594.368" (16825031.0656 - 33650062.1312)	±0.410" (10.4140)
1329594.368" - 2659188.736" (33650062.1312 - 67300124.2624)	±0.500" (12.7000)
2659188.736" - 5318377.472" (67300124.2624 - 134600248.5248)	±0.600" (15.2400)
5318377.472" - 10636754.944" (134600248.5248 - 269200497.0496)	±0.720" (18.2880)
10636754.944" - 21273509.888" (269200497.0496 - 538400994.0992)	±0.860" (21.7340)
21273509.888" - 42547019.776" (538400994.0992 - 1076801988.1984)	±1.020" (25.9080)
42547019.776" - 85094039.552" (1076801988.1984 - 2153603976.3968)	±1.200" (30.4800)
85094039.552" - 170188079.104" (2153603976.3968 - 4307207952.7936)	±1.400" (35.5600)
170188079.104" - 340376158.208" (4307207952.7936 - 8614415905.5872)	±1.620" (41.1480)
340376158.208" - 680752316.416" (8614415905.5872 - 17228831811.1744)	±1.860" (47.0040)
680752316.416" - 1361504632.832" (17228831811.1744 - 34457663622.3488)	±2.120" (53.4480)
1361504632.832" - 2723009265.664" (34457663622.3488 - 68915327244.6976)	±2.400" (60.9600)
2723009265.664" - 5446018531.328" (68915327244.6976 - 137830654489.3952)	±2.700" (68.5800)
5446018531.328" - 10892037062.656" (137830654489.3952 - 275661308978.7904)	±3.020" (76.7020)
10892037062.656" - 21784074125.312" (275661308978.7904 - 551322617957.5808)	±3.360" (85.3440)
21784074125.312" - 43568148250.624" (551322617957.5808 - 1102645235915.1616)	±3.720" (94.1760)
43568148250.624" - 87136296501.248" (1102645235915.1616 - 2205290471830.3232)	±4.100" (104.0400)
87136296501.248" - 174272593002.496" (2205290471830.3232 - 4410580943660.6464)	±4.500" (114.3000)
174272593002.496" - 348545186004.992" (4410580943660.6464 - 8821161887321.2928)	±4.920" (124.9680)
348545186004.992" - 697090372009.984" (8821161887321.2928 - 17642323774642.5856)	±5.360" (136.3680)
697090372009.984" - 1394180744019.968" (17642323774642.5856 - 35284647549285.1712)	±5.820" (148.1860)
1394180744019.968" - 2788361488039.936" (35284647549285.1712 - 70569295098570.3424)	±6.300" (160.0200)
2788361488039.936" - 5576722976079.872" (70569295098570.3424 - 141138590197140.6848)	±6.800" (172.6400)
5576722976079.872" - 11153445952159.744" (141138590197140.6848 - 282277180394281.3696)	±7.320" (185.9760)
11153445952159.744" - 22306891904319.488" (282277180394281.3696 - 564554360788562.7392)	±7.860" (200.0160)
22306891904319.488" - 44613783808638.976" (564554360788562.7392 - 1129108721577125.4784)	±8.420" (214.2840)
44613783808638.976" - 89227567617277.952" (1129108721577125.4784 - 2258217443154250.9568)	±9.000" (228.6000)
89227567617277.952" - 178455135234555.904" (2258217443154250.9568 - 4516434886308501.9136)	±9.600" (243.0240)
178455135234555.904" - 356910270469111.808" (4516434886308501.9136 - 9032869772617003.8272)	±10.220" (257.5680)
356910270469111.808" - 713820540938223.616" (9032869772617003.8272 - 18065739545234007.6544)	±10.860" (272.3280)
713820540938223.616" - 1427641081876447.232" (18065739545234007.6544 - 36131479090468015.3088)	±11.520" (287.2800)
1427641081876447.232" - 2855282163752894.464" (36131479090468015.3088 - 72262958180936030.6176)	±12.200" (302.4400)
2855282163752894.464" - 5710564327505788.928" (72262958180936030.6176 - 144525916361872061.2352)	±12.900" (317.7000)
5710564327505788.928" - 11421128655011577.856" (144525916361872061.2352 - 289051832723744122.4704)	±13.620" (333.1320)
11421128655011577.856" - 22842257310023155.712" (289051832723744122.4704 - 57810366544748824.4896)	±14.360" (348.7440)
22842257310023155.712" - 45684514620046311.424" (57810366544748824.4896 - 115620733089497648.9792)	±15.120" (364.5120)
45684514620046311.424" - 91369029240092622.848" (115620733089497648.9792 - 231241466178995297.9584)	±15.900" (380.4300)
91369029240092622.848" - 182738058480185245.696" (231241466178995297.9584 - 462482932357990595.9168)	±16.700" (396.5000)
182738058480185245.696" - 365476116960370491.392" (462482932357990595.9168 - 924965864715981191.8336)	±17.520" (412.7360)
365476116960370491.392" - 730952233920740982.784" (924965864715981191.8336 - 1849931729431962383.6672)	±18.360" (429.1440)
730952233920740982.784" - 1461904467841481965.568" (1849931729431962383.6672 - 3699863458863924767.3344)	±19.220" (445.7280)
1461904467841481965.568" - 2923808935682963931.136" (3699863458863924767.3344 - 7399726917727849534.6688)	±20.100" (462.4800)
2923808935682963931.136" - 5847617871365927862.272" (7399726917727849534.6688 - 14799453835455699069.3376)	±21.000" (479.4000)
5847617871365927862.272" - 11695235742731855724.544" (14799453835455699069.3376 - 29598907670911398138.6752)	±21.920" (496.5120)
11695235742731855724.544" - 23390471485463711449.088" (29598907670911398138.6752 - 59197815341822796277.3504)	±22.860" (513.7440)
23390471485463711449.088" - 46780942970927422898.176" (59197815341822796277.3504 - 118395630683645592554.7008)	±23.820" (531.1680)
46780942970927422898.176" - 93561885941854845796.352" (118395630683645592554.7008 - 236791261367291185109.4016)	±24.800" (548.8000)
93561885941854845796.352" - 187123771883709691592.704" (236791261367291185109.4016 - 473582522734582370218.8032)	±25.800" (566.6400)
187123771883709691592.704" - 374247543767419383185.408" (473582522734582370218.8032 - 947165045469164740437.6064)	±26.820" (584.6720)
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748495087534838766370.816" - 1496990175069677532741.632" (1894330090938329480875.2128 - 3788660181876654961750.4256)	±28.920" (621.3120)
1496990175069677532741.632" - 2993980350139355065483.264" (3788660181876654961750.4256 - 7577320363753309923500.8512)	±30.000" (640.0000)
2993980350139355065483.264" - 5987960700278710130966.528" (7577320363753309923500.8512 - 15154640727506619247001.7024)	±31.100" (658.9000)
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47903685602229681047732.224" - 95807371204459362095464.448" (121237125820052953976013.6192 - 242474251640105907952027.2384)	±35.700" (736.4700)
95807371204459362095464.448" - 191614742408918724190928.896" (242474251640105907952027.2384 - 484948503280211815904054.4768)	±36.900" (756.2700)
191614742408918724190928.896" - 383229484817837448381857.792" (484948503280211815904054.4768 - 969897006560423631808109.9536)	±38.120" (776.3280)
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3065835878542699587054862.336" - 6131671757085399174109724.672" (7759176052483389054464879.6288 - 15518352104966778108929759.2576)	±43.200" (858.1440)
6131671757085399174109724.672" - 12263343514170798348219449.344" (15518352104966778108929759.2576 - 31036704209933556217859518.5152)	±44.520" (879.0720)
12263343514170798348219449.344" - 24526687028341596696438898.688" (31036704209933556217859518.5152 - 62073408419867112435719037.0304)	±45.860" (900.2280)
24526687028341596696438898.688" - 49053374056683193392877797.376" (62073408419867112435719037.0304 - 124146816839734224871438074.0608)	±47.220" (921.5760)
49053374056683193392877797.376" - 98106748113366386785755594.752" (124146816839734224871438074.0608 - 248293633679468449742876148.1216)	±48.600" (943.1040)
98106748113366386785755594.752" - 196213496226732773571511193.504" (248293633679468449742876148.1216 - 496587267358936899485752296.2432)	±50.000" (964.8000)
196213496226732773571511193.504" - 392426992453465547143022387.008" (496587267358936899485752296.2432 - 993174534717873798971504592.4864)	±51.400" (986.6400)
392426992453465547143022387.008" - 784853984906931094286044774.016" (993174534717873798971504592.4864 - 1986349069435747597943009184.9728)	±52.820" (1008.6720)
784853984906931094286044774	

1. SOCKET FLANGE	◇
2. CHECK VALVE	▽
3. CUT OFF VALVE	Σ
4. TEE	⊥
5. COUPLER	⊢
6. AIR COUPLER	□
7. 90° ELBOWS	└┘

PART	PART #	QTY.
1. AIR RESERVOIR	AB RESERVOIR	1
2. RELAY	REXROTH-6-S P33182	1
3. BRAKE CYLINDER	WABCO-576079	1
4. AUTO DRAIN VALVE	REXROTH-PD23-PS2901	1
5. CHECK VALVE	REXROTH-P-35017	2
6. BRAKE CHAMBER	MGM-39-39	4
7. QUICK EXHAUST VALVE	BENDIX QR-1	2
8. CUT OFF VALVE	APOLLO 70-184-01	2
9. 1/2" QUICK CONNECTOR (10+1)	EATON FD 58-04	4
10. 1/2" EDMATE EXHAUSTING QUICK CONNECTOR	PARKER EATON FD 58-04	2

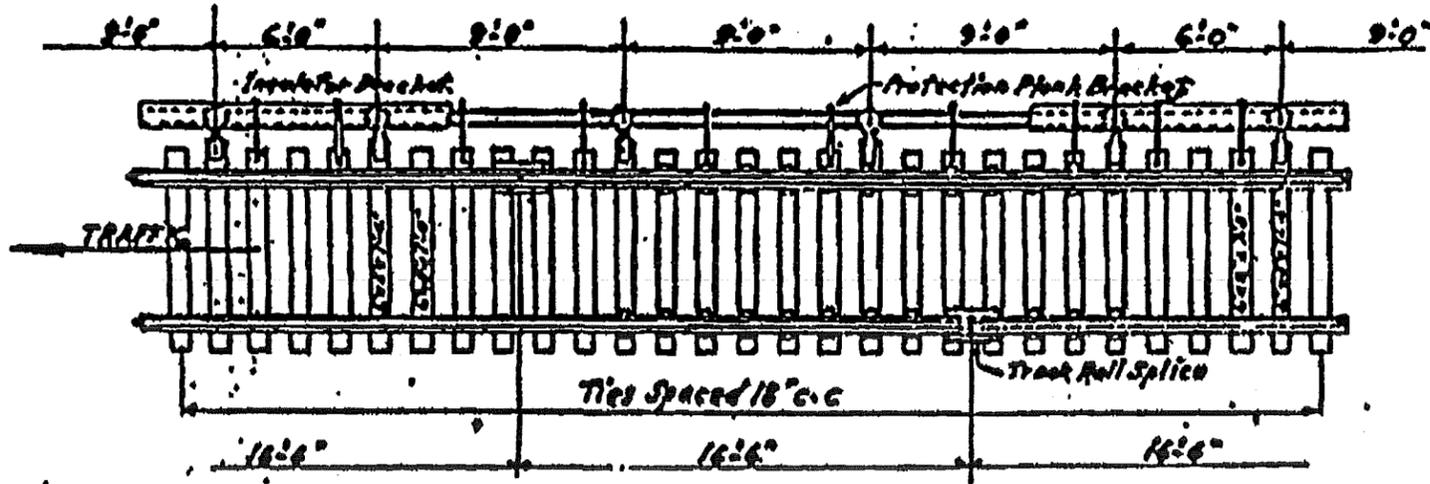


AIR BRAKE SCHEMATIC



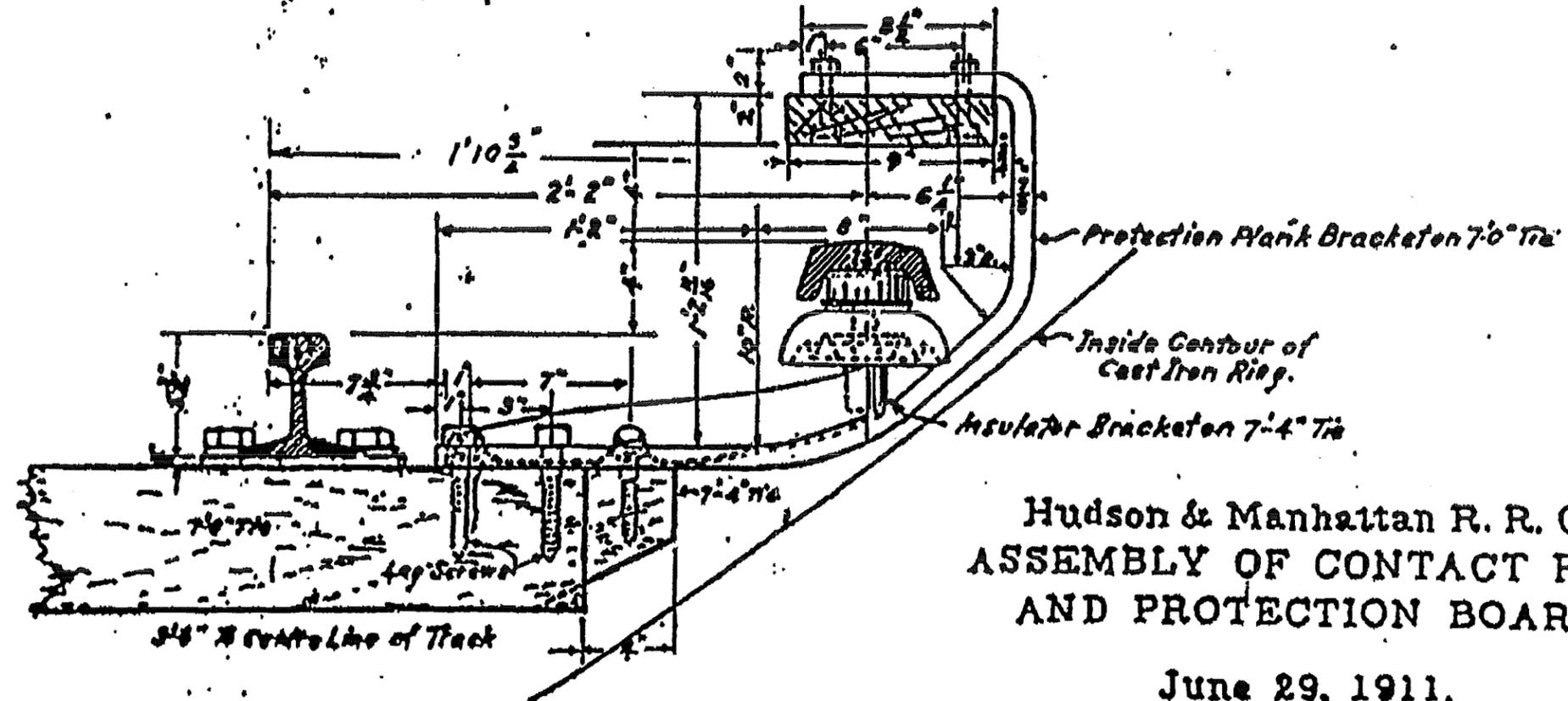
PORT AUTHORITY TRANSHUDSON CORPORATION		Clear S.W.
Track & Structures Division		Dr. W. L. A.
PATH TRACK FEATURES		Scale 1/8" = 1'-0"
TUNNEL & OUTSIDE AREAS		Date: 3 Feb '82
EQUIPMENT CLEARANCES		REV 10/2/89

ATTACHMENT 4



NOTE: In no case must a lag be come under a Track Rail Splice.

Spacing of Insulator & Protection Plank Brackets

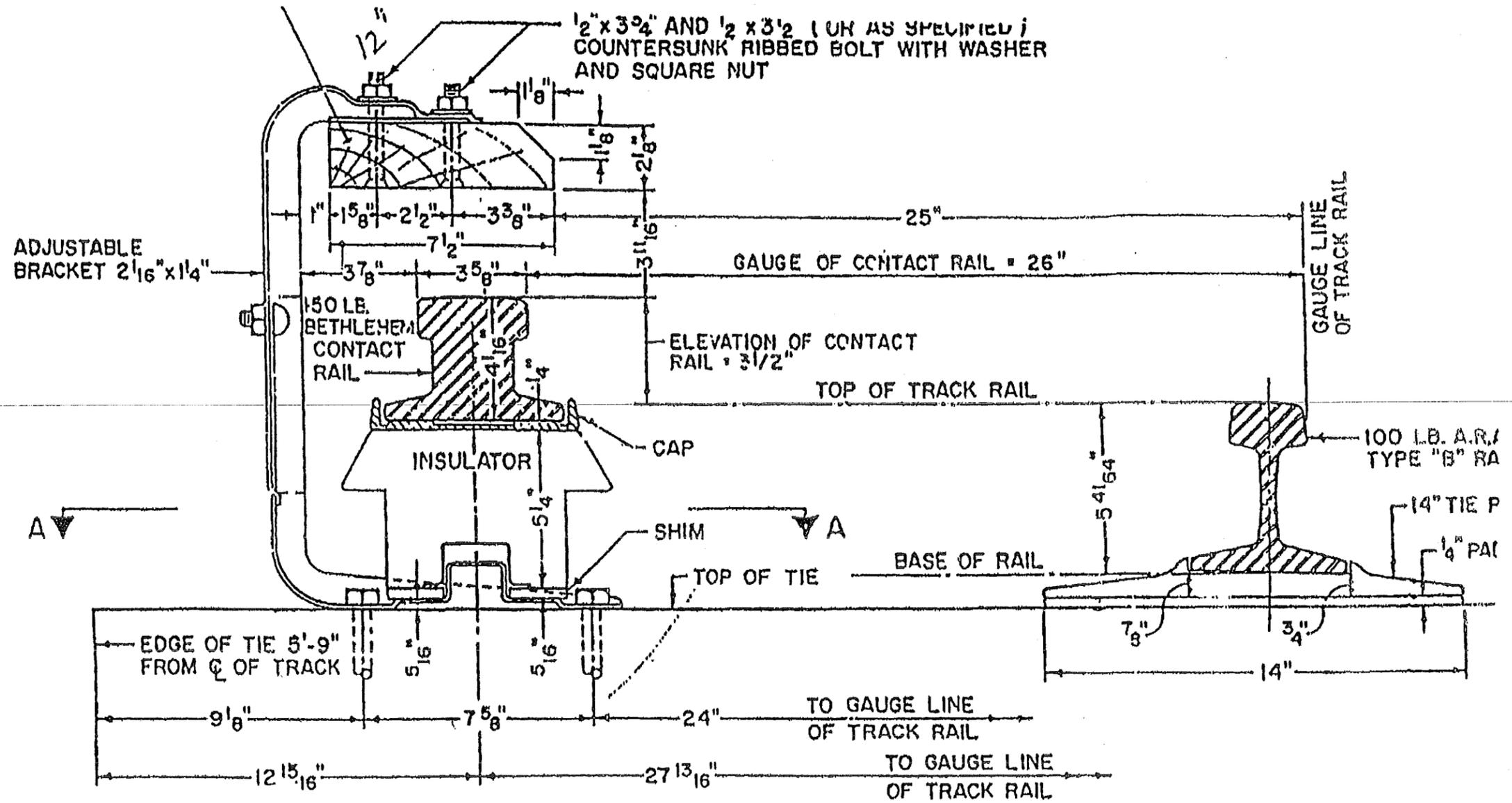


Hudson & Manhattan R. R. Co.
 ASSEMBLY OF CONTACT RAIL
 AND PROTECTION BOARD.

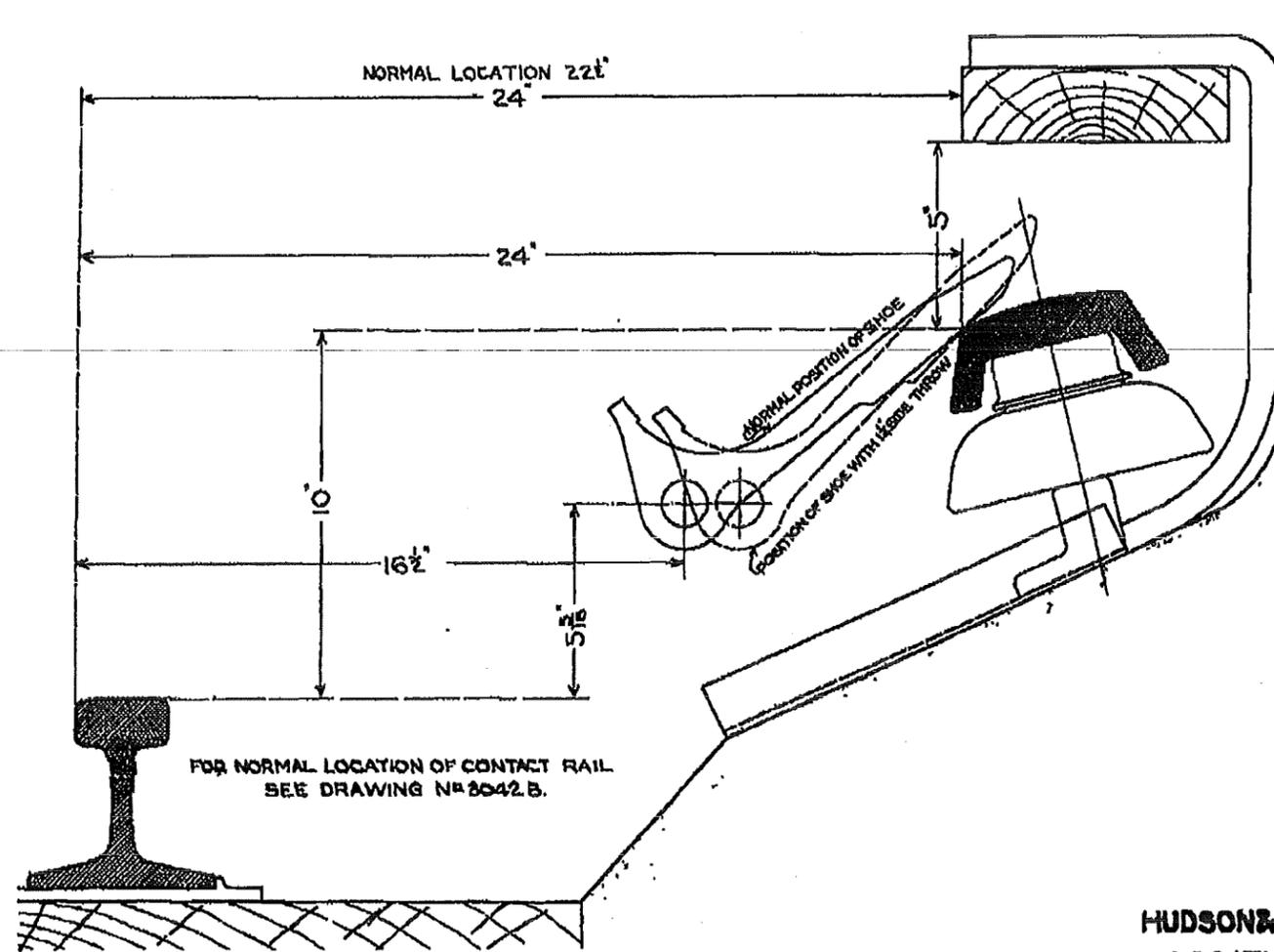
June 29, 1911.

ATTACHMENT 5

FILE NO. 5. SERIAL NO. 5K. 3042B.



CONTACT RAIL ASSEMBLY



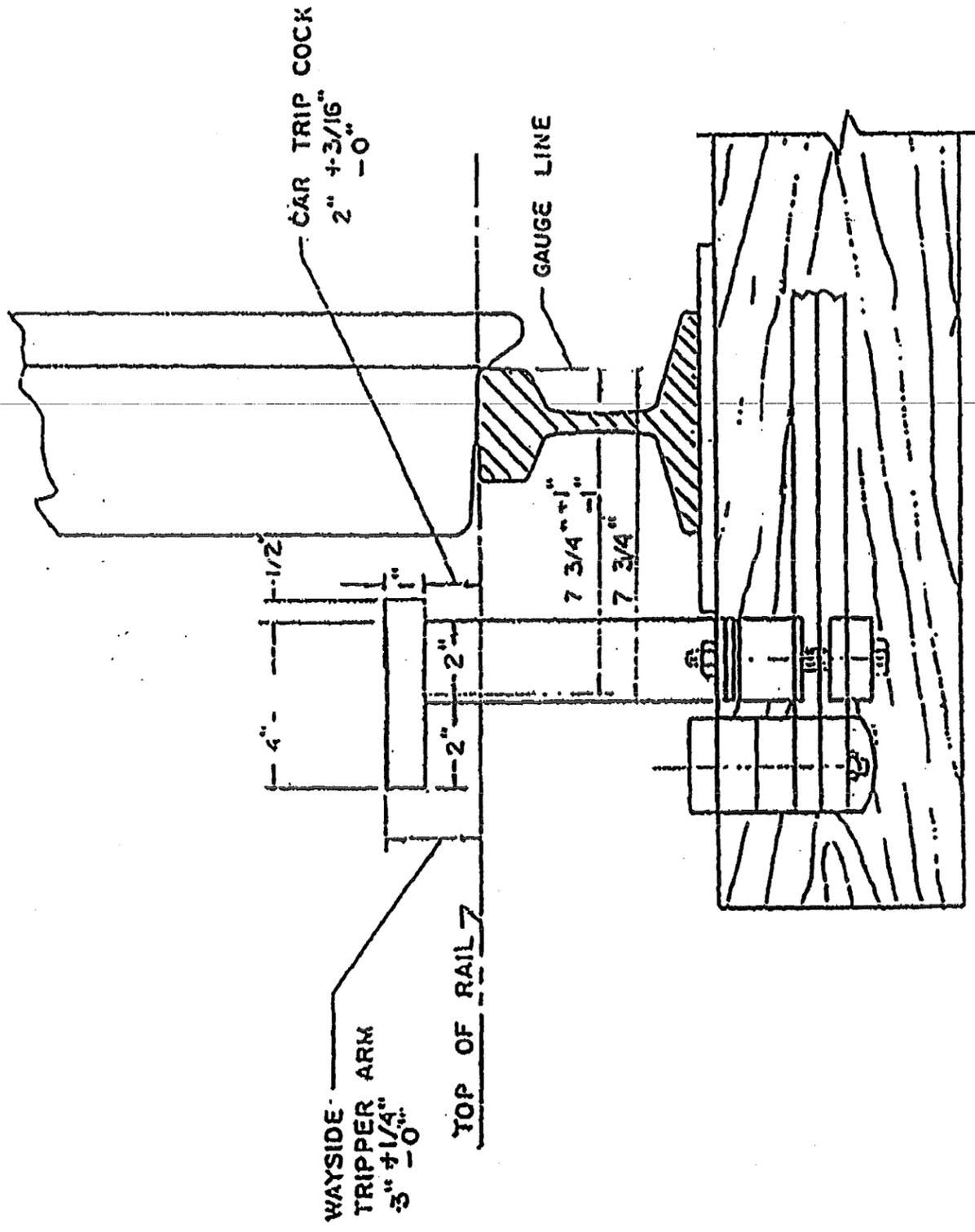
FOR NORMAL LOCATION OF CONTACT RAIL
SEE DRAWING NO 3542 B.

HUDSON & MANHATTAN R.R. CO.
LOCATION OF CONTACT RAIL
IN HIGHEST POSITION ABOVE TRACK RAIL
TUNNEL UNDER RIVER BET. STA. 1194+86.8 & 1191+42.8
 SCALE - HALF SIZE SEPT. 30, 1918.

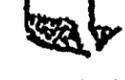
ATTACHMENT 7

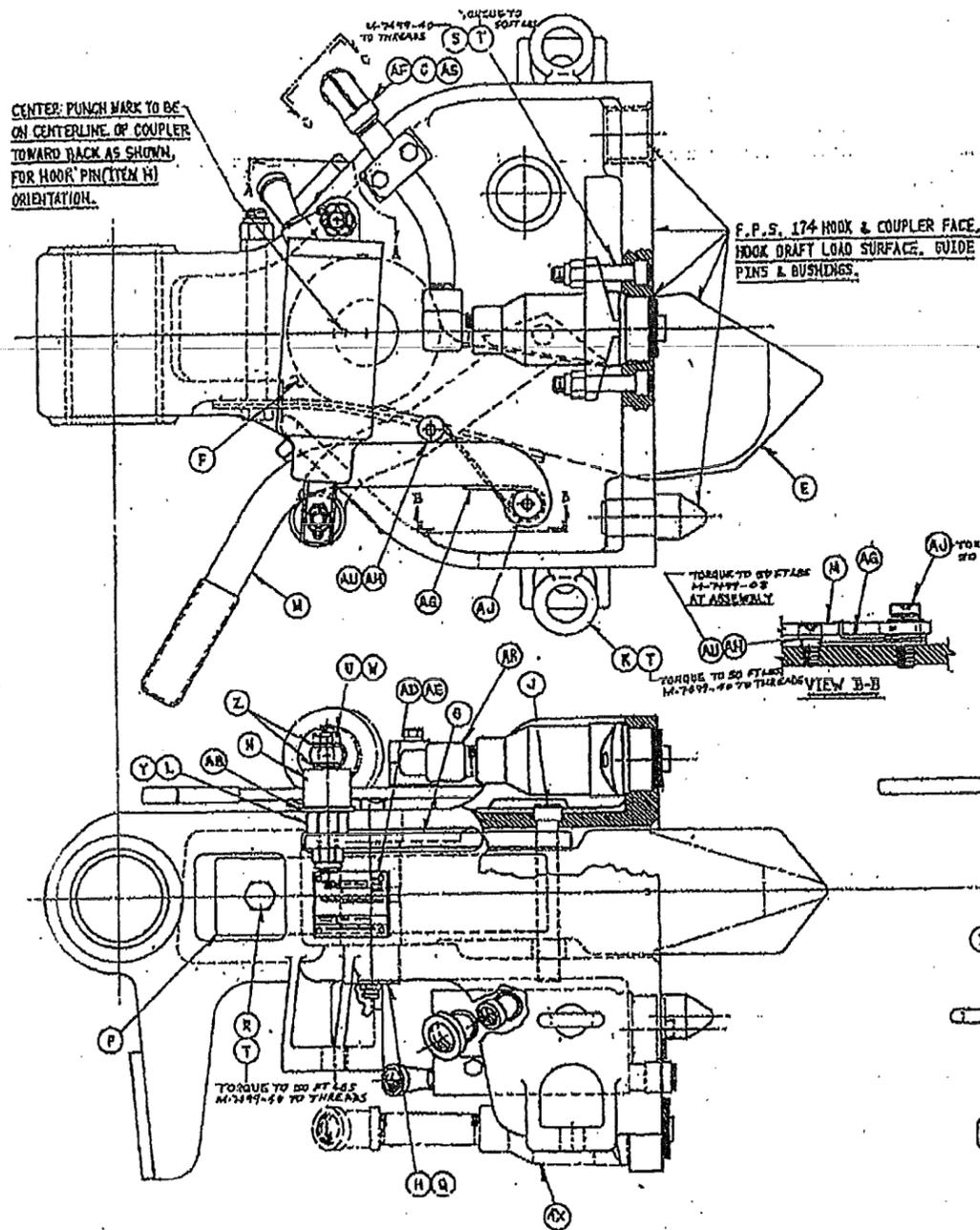
NOTE -
 TRACED FROM ELECTR. DEPT'S SHEET NO. C-141, JULY 29, 1910.

DRAWN BY E. DEPT. 2275
 TRACED BY W. R. P. G.
 CHECKED BY
 CORRECT FILE NO. 89 SERIAL NO. 4458



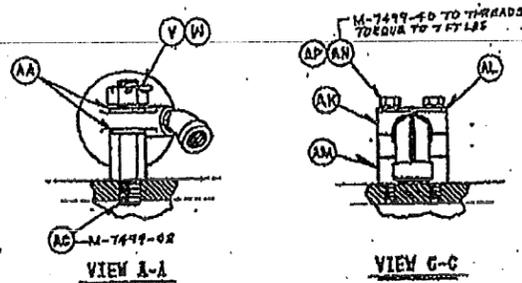
ATTACHMENT 8

S		PORT AUTHORITY TRANS-HUDSON CORP. (PATH)	
REVIS		AUTOMATIC TRAIN STOP TRIPPER ARM	PBF
	DATE: 1.20.93	DWG. NO. SK.-CL 001SHEET 1 OF 2	



NOTE:

- 1- F.P.S. 174 SLIDING WEARING SURFACES OF CAM (IT. G), HOOK (IT. E), SPRING (IT. P), CYLINDRICAL SURFACE OF HOOK PIN (IT. H) & CYLINDER-BEARINGS (IT. F).
- 2- TOUCH UP WITH M-7745-00 (BLACK ENAMEL).
- 3- M-7499-18 APPLIED TO ALL NPT (TAPERED PIPE THREADS) PNEUMATIC CONNECTIONS.



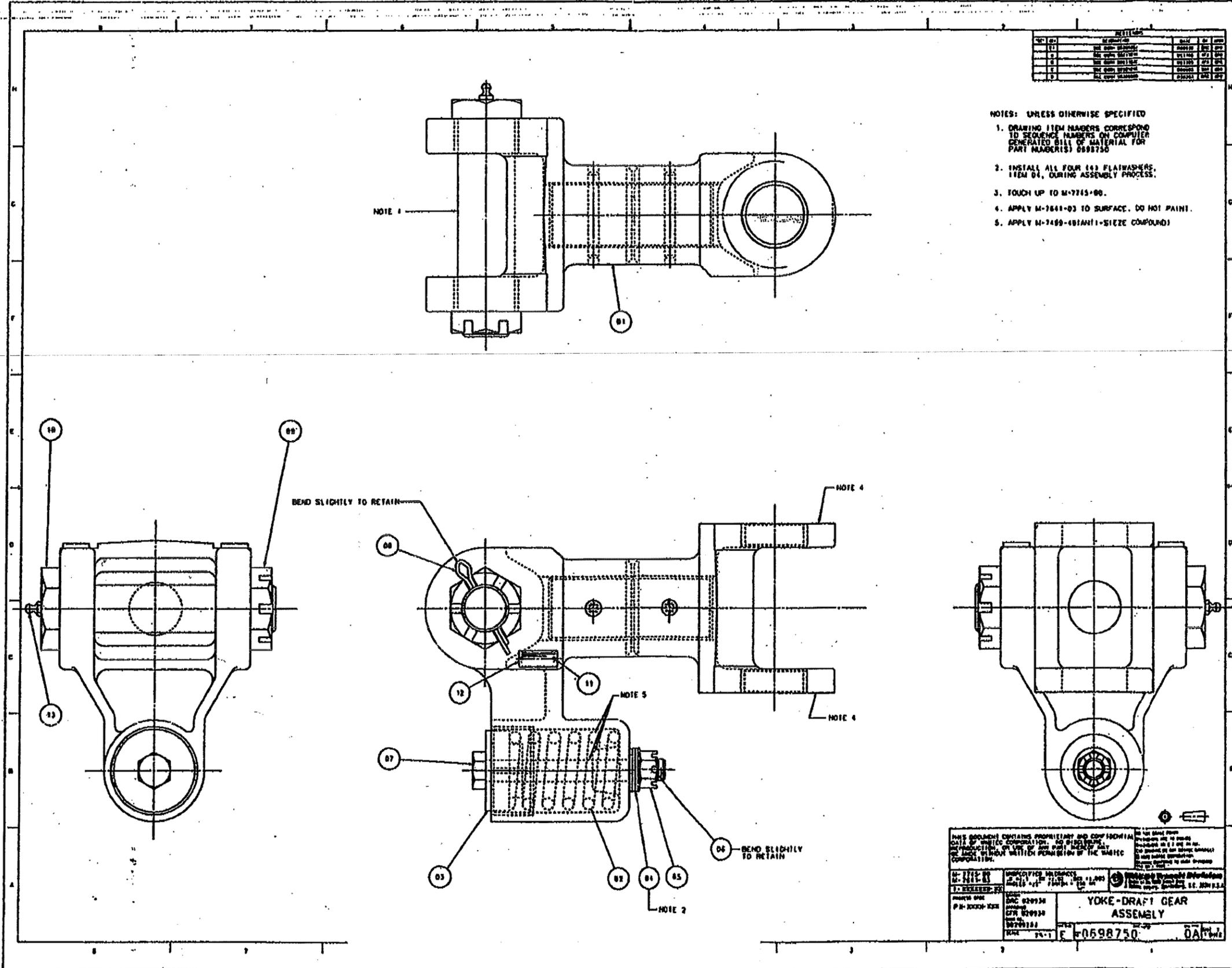
QTY	PART NO.	MATERIAL	DESCRIPTION
1	A	57773-3001	STL. COUPLER HEAD SUB-ASSY
1	B	59421-3001	UPPER TAPPET VALVE ASSY
1	C	10-4110	STL. 1/2" ELBOW-90°
1	D	59424-3001	BRAKE TAPPET VALVE ASSY
1	E	59445-3001	HOOK
1	F	53840-3007	UNCOUPLING CYLINDER ASSY
1	G	57761-1001	C.S. UNCOUPLING CAM
1	H	57534-1001	STL. HOOK PIN
1	J	57946-1001	STL. CAM PIN
2	K	57128-1024	STL. EYE BOLT 1/2"
1	L	57780-1002	STL. FRONT STUD
1	M	57777-3001	UNCOUPLING LEVER ASSY
1	N	57780-4003	STL. ROLLER
2	P	8491-4001	SP STL HOOK SPRING
1	Q	11-4318	STL. GREASE FITTING
1	R	3-4870	STL. BOLT 1/2" X 6-1/2"
4	S	58210-4712	STL. SOC HD CAP SCR 1/2" X 1-1/2"
2	T	3-4048	STL. 1/2" STOPNUT
1	U	2-4758	STL. 1/2" SLOTTED NUT
1	V	2-4810	STL. 5/8" SLOTTED NUT
2	W	3-4343	STL. 1/8" COTTER PIN X 1-1/4"
1	X	3-4344	STL. 3/16" COTTER PIN X 3-1/2"
1	Y	3-4063	STL. 5/8" STOPNUT
2	Z	3-4607	STL. 1/2" WASHER
2	AA	3-4618	STL. 5/8" WASHER X 1-1/16" D.
1	AB	3-4625	STL. 3/4" WASHER X 1-3/4" D.
1	AC	57780-4001	STL. REAR STUD
1	AD	59042-4001	ALUM. NAMEPLATE
1	AE	57112-1001	STL. GREASE FITTING
1	AF	57538-4001	STL. 1/2" PIPE NIPPLE
1	AG	57767-4001	STL. LEVER SPRING
1	AH	57780-4007	STL. SPACER
1	AI	24-4434	STL. SOC HD SHOULDER SCR 1/2"
1	AJ	57337-4001	PLAS. PIPE CLAMP
1	AK	57537-4002	STL. CLAMP COVER
1	AL	57780-4004	STL. 3/4" SPACER
2	AM	1-4572	AST. 1/4" BOLT X 2-1/4"
2	AN	19779-4026	STL. 1/4" LOCKWASHER
1	AQ		
1	AR	10-4107	STL. 3/4" X 1/2-20 STREET ELBOW
1	AS	8-4091	PLAS. CAPLUG-1/2" NPT
	AT		
1	AP	58210-4701	STL. SOC HD CAP SCR 1/2" X 1/4"
2	AV	58210-4713	STL. SOC HD CAP SCR 1/2" X 3/4"
2	AW	19779-4044	STL. 1/2" LOCKWASHER
1	AX	59421-3002	LOWER TAPPET ASSY

NO.	REV.	DATE	BY	CHKD.	DESCRIPTION
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THIS DRAWING CONTAINS PROPRIETARY INFORMATION OF HERCULES ENGINE DIVISION AND SHALL NOT BE REPRODUCED OR TRANSMITTED TO OTHERS IN WHOLE OR IN PART WITHOUT PRIOR CONSENT OF THIS COMPANY.

CHNO 9.1473
 COUPLER HEAD ASSEMBLY
 57719

ATTACHMENT 9



REV	DESCRIPTION	DATE	BY	CHKD
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**FEDERAL TRANSIT ADMINISTRATION
REQUIRED CONTRACT PROVISIONS**

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1. DEFINITIONS

As used herein, the term “Agreement” shall mean “Contract”. This Agreement is anticipated to be funded in whole or in part by the United States Department of Transportation’s Federal Transit Administration (FTA).

As used herein, “Contractor” and “Subcontractor” shall have the same meanings as “Consultant” and “Subconsultant”, respectively.

2. INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION TERMS

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The following provisions include, in part, certain Standard Terms and Conditions required by the United States Department of Transportation (DOT), whether or not expressly set forth in the following contract provisions. All contractual provisions required by DOT, as set forth in the FTA Circular 4220.1F are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Contract. The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any Authority requests that would cause the Authority to be in violation of the FTA terms and conditions.

Each and every provision required by the FTA 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 herein. If any provision of this Contract shall be such as to effect non-compliance with any FTA requirement, such provision shall not be deemed to form part hereof, but the balance of this Contract shall remain in full force and effect.

3. FEDERAL CHANGES

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between the Authority and the FTA, as they may be amended or promulgated from time to time during the term of this Contract. Contractor’s failure to so comply shall constitute a material breach of this Contract. The most recent Federal laws, regulations, policies, and administrative practices apply to this Contract at any particular time, unless FTA issues a written determination otherwise. All standards or limits within this document are minimum requirements, unless modified by the FTA or subagency thereof. The requirements of this section apply to each applicable changed requirement.

4. NO FEDERAL GOVERNMENT OBLIGATIONS TO THIRD PARTIES –

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The Authority and the Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this Contract and shall not be subject to any obligations or liabilities to the Authority, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

The Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal Assistance provided by the FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

5. ORGANIZATIONAL CONFLICT OF INTEREST

This Contract may give rise to a potential for an organizational conflict of interest. An organizational conflict of interest exists when the nature of the work to be performed under the contract may, without some form of restriction on future activities; result in an unfair competitive advantage to the Contractor.

- 1.) The Contractor shall have access to confidential and/or sensitive Authority information in the course of contract performance. Additionally, the Contractor may be provided access to proprietary information obtained from other contracted entities during contract performance. The Contractor agrees to protect all such information from disclosure unless so authorized, in writing, by the Authority and to refrain from using such information for any purpose other than that for which it was furnished.

- 2.) To the extent that the Contractor either (a) uses confidential and/or sensitive Authority information or proprietary information obtained from other Authority contractors to develop any form of document, report, or plan that is determined by the Authority to be the basis, in whole or in part, of any subsequent solicitation issued by the Authority or (b) develops written specifications that are used in any subsequent solicitation issued by the Authority, the Contractor agrees that it shall not be eligible to compete for such subsequent solicitation(s) as a prime or principal contractor or as part of any teaming arrangement unless the Authority provides, in writing, a specific waiver of this restriction. The duration of any restriction imposed under this subparagraph shall not exceed the length of the initial performance period of any subsequently awarded contract for which the Contractor was ineligible to compete.

The Contractor, by submitting its bid or proposal, agrees to the above stated conditions and terms and further agrees to perform all duties under the contract and, in doing so, not to enter into contractual agreements with Authority prime contractors and first-tier subcontractors in such a way as to create an organizational conflict of interest.

If the Authority determines that the Contractor has violated any term of this numbered clause, the Authority may take any appropriate action available under the law or regulations to obtain redress to include, but not be limited to, requiring the Contractor to terminate any affiliation or contractual arrangement with an Authority prime contractor or first-tier subcontractor at no cost to the Authority; determining the Contractor ineligible to compete for or be awarded any subsequent or "follow-on" contracts that may be based upon the Contractor's actions under this Contract or violations of this numbered clause, or terminating this Contract, in whole or in part.

6. CERTIFICATION - DEBARMENT AND SUSPENSION

Applies to all contracts and subcontracts at any level expected to equal or exceed \$25,000 as well as any contract or subcontract (at any level) for federally required auditing services.

This Contract is a covered transaction for purposes of 2 CFR Parts 180 and 1200. As such, the Contractor is required to verify that none of the Contractor, its principals, as defined at 2 CFR 180.995, or affiliates, as defined 2 CFR 180.905, are excluded or disqualified as defined at 2 CFR 180.935 and 180.940.

The Contractor is required to comply with 2 CFR 180, Subpart C and must include the requirement to comply with 2 CFR 180, Subpart C in any lower tier covered transaction it enters into.

By signing and submitting its bid or proposal, the proposer certifies as follows:

The certification in this clause is a material representation of fact relied upon by the Port Authority of New York and New Jersey. If it is later determined that the proposer knowingly rendered an erroneous certification, in addition to remedies available to the Port Authority of New York and New Jersey, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

FTA requires that each potential Contractor, for major third party contracts, complete a certification entitled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion" for itself and its principals and requires each Subcontractor or Supplier (for Subcontracts and Supplier agreements expected to equal or exceed \$25,000) to complete a certification entitled "Certification Regarding Debarment, Suspension, Ineligibility and

Voluntary Exclusion – Lower Tiered Covered Transactions" for itself and its principals. Copies of the required Certification forms and accompanying instructions are set forth following the clause herein entitled "Integrity Monitor".

In the event that the Contractor has certified prior to award that it is not proposed for debarment, debarred, suspended, or voluntarily excluded from covered transactions by any Federal Department or agency and such certification is found to be false, this Contract may be canceled, terminated or suspended by the Authority and the Contractor will be liable for any and all damages incurred by the Authority because of such cancellation, termination or suspension because of such false certification.

The Contractor shall obtain certifications from all known potential Subcontractors and Suppliers (for which payments are expected to equal or exceed \$25,000) and submit such certifications to the address set forth in E below.

Prior to the award of any Subcontracts or Supplier agreements expected to equal or exceed \$25,000, regardless of tier, any prospective Subcontractor or Supplier who has not previously submitted a certification for this Contract must execute and submit to the Contractor a certification in the form set forth following the clause herein entitled "Integrity Monitor" which will be deemed a part of the resulting Subcontract and Supplier agreement.

The originals of any Certifications or correspondence relating hereto shall be sent by the Contractor to the Contracts Specialist listed in the solicitation document.

The Contractor shall not knowingly enter into any Subcontracts or Supplier agreements with a person that is proposed for debarment, debarred, suspended, declared ineligible or voluntarily excluded from covered transactions.

As required by FTA, the Contractor and its Subcontractors or Suppliers required to file the certification have a continuing duty to disclose, and shall provide immediate written notice to the Authority if, at any time, it learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

7. LOBBYING

Applies to construction/architectural and engineering/acquisition of rolling stock/professional service contract/operational service contract/turnkey contracts. Does not apply to micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

Byrd Anti-Lobbying Amendment, 31 USC 1352 as amended by the Lobbying Disclosure Act of 1995—“ Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors who apply or bid for an award of \$100,000 or more shall file the certification required by 49 CFR part 20, “New Restrictions on Lobbying.” Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient. Access to Records and Reports

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The Contractor agrees to provide the Authority, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives access to and the right to examine and inspect any books, documents, papers and records of the Contractor which are directly pertinent to this Contract for the purposes of making audits, examinations, excerpts and transcriptions. The Contractor also agrees, pursuant to 49 CFR 633.15 to provide the FTA Administrator or authorized representatives thereto including any Project Management Oversight (PMO) Contractor access to the Contractor's records and construction sites pertaining to the project.

The Contractor shall make available records related to the contract to the Authority, the Secretary of Transportation and the Comptroller General or any authorized officer or employee of any of them for the purposes of conducting an audit and inspection.

The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

The Contractor agrees to maintain all books, records, accounts and reports required under this Contract for a period from the beginning of the Project, and through the course of the Project, until three years after the Recipient has submitted its final expenditure report and other pending matters are closed. Project closeout does not alter the record retention requirements of the Master Agreement, §9.

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This requirement is independent of the Authority's requirements for record retention contained elsewhere in the contract documents. The FTA does not require the inclusion of these requirements in subcontracts.

8. CIVIL RIGHTS

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

Nondiscrimination - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, and section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

Equal Employment Opportunity - The following equal employment opportunity requirements apply to the underlying contract:

- 1.) Race, Color, Creed, National Origin, Sex - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 *et seq.*, (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.
- 2.) Age - In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. § 623, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.
- 3.) Disabilities - In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the Contractor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity

Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

The Contractor shall be responsible for ensuring that lower tier contractors and subcontractors and subagreements are in compliance with these requirements.

9. CARGO PREFERENCE - USE OF UNITED STATES FLAG VESSELS

Applies to contracts involving equipment, materials or commodities which may be transported by ocean vessels. These requirements do not apply to micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

If this Contract involves equipment, materials, or commodities that may be transported by ocean vessels, the Contractor herein agrees:

To utilize privately owned United States-flag commercial vessels to ship at least fifty percent (50%) of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this Contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

To furnish within twenty (20) working days following the date of loading for shipments originating within the United States or within thirty (30) working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (A) above to the FTA Administrator and grantee (through the contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20230.

To include these requirements in all subcontracts issued pursuant to this Contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

10. DAVIS-BACON AND COPELAND ANTI-KICKBACK ACTS

Applies to Construction contracts and subcontracts exceeding \$2,000.

The Davis-Bacon and Copeland Acts are codified at 40 USC 3141, *et seq.* and 18 USC 874. The Acts apply to grantee construction contracts and subcontracts that "at least partly are financed by a loan or grant from the Federal Government." 40 USC 3145(a), 29 CFR

5.2(h), 49 CFR 18.36(i)(5). The Acts apply to any construction contract over \$2,000. 40 USC 3142(a), 29 CFR 5.5(a). ‘Construction,’ for purposes of the Acts, includes “actual construction, alteration and/or repair, including painting and decorating.” 29 CFR 5.5(a). The requirements of both Acts are incorporated into a single clause (*see* 29 CFR 3.11) enumerated at 29 CFR 5.5(a) and reproduced below and are applicable if this Contract is a construction contract (as delineated above) over \$2000.

A. Minimum Wages

- 1.) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which, if applicable, is attached hereto and made a part hereof (the attachment is the most current determination), regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Determinations may change during the term of the Contract, and the wages and fringe benefits required by the most recent determination of the Secretary of Labor are those to be used.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (A)(4) of this Section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph (A)(2) of this Section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

- 2.)

- a. The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
 - (i) Except with respect to helpers as defined as 29 CFR 5.2(n)(4), the work to be performed by the classification requested is not performed by a classification in the wage determination;
 - (ii) The classification is utilized in the area by the construction industry;
 - (iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and
 - (iv) With respect to helpers as defined in 29 CFR 5.2(n)(4), such a classification prevails in the area in which the work is performed.

- b. If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

- c. In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

- d. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs A (2)(i) (b) or (c) of this Section, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.

- 3.) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- 4.) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.
- 5.)
 - a. The contracting officer shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:
 - (i) The work to be performed by the classification requested is not performed by a classification in the wage determination;
 - (ii) The classification is utilized in the area by the construction industry; and
 - (iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
 - b. If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

- c. In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination with 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs A (2)(ii)(b) or (c) of this Section, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification. The FTA does not require the inclusion of these requirements in subcontracts.

B. Withholding

The Authority shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this Contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the Authority may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

C. Payrolls and Basic Records

- 1.) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash

equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

2.)

- a. The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Authority for transmission to the Federal Transit Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under section 5.5(a)(3)(i) of Regulations, 29 CFR part 5. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, DC 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.
- b. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
 - (i) That the payroll for the payroll period contains the information required to be maintained under section 5.5(a)(3)(i) of Regulations, 29 CFR part 5 and that such information is correct and complete;
 - (ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
 - (iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the

classification of work performed, as specified in the applicable wage determination incorporated into the contract.

- c. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph C(2)(b) of this Section.
 - d. The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- 3.) The Contractor or subcontractor shall make the records required under paragraph C(1) of this Section available for inspection, copying, or transcription by authorized representatives of the Federal Transit Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

D. Apprentices and Trainees

- 1.) Apprentices - Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice

performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division of the U.S. Department of Labor determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- 2.) Trainees - Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the

Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- 3.) Equal employment opportunity - The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

E. Compliance with Copeland Act Requirements

The Contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this Contract.

F. Subcontracts

The Contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the Federal Transit Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

G. Contract Termination: Debarment

A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

H. Compliance with Davis-Bacon and Related Act Requirements

All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this Contract.

I. Disputes Concerning Labor Standards

Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

J. Certification of Eligibility –

- 1.) By entering into this Contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- 2.) No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- 3.) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

11. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Applies to grantee contracts and subcontracts under 40 USC 3701(b)(1)(B)(iii) and (b)(2), 29 CFR 5.2(h), 49 CFR 18.36(i)(6) for contracts for construction, and non-construction projects that employ “laborers or mechanics on a public work, where the contract amount is greater than \$100,000.

A. Overtime Requirements

No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

B. Violation; liability for unpaid wages; liquidated damages

In the event of any violation of the clause set forth in paragraph A of this Section the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph A of this Section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph A of this Section.

- C. **Withholding for unpaid wages and liquidated damages**
The Authority shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph B of this Section.
- D. **Subcontracts**
The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs A through D of this Section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs A through D of this Section. The FTA does not require the inclusion of these requirements in subcontracts.

12. VETERANS EMPLOYMENT

Contractors working on a capital project funded using such assistance agree to give a hiring preference, to the extent practicable, to veterans (as defined in 5 U.S.C. 2108) who have the requisite skills and abilities to perform the construction work required under the contract. This subsection shall not be understood, construed or enforced in any manner that would require an employer to give a preference to any veteran over any equally qualified applicant who is a member of any racial or ethnic minority, female, an individual with a disability, or a former employee. The Contractor shall ensure that its hiring practices reflect the requirements of this section and shall, upon request, provide to the Authority personnel data which reflects compliance with the terms contained herein.

13. SEISMIC SAFETY

Applies only to the Construction of new buildings or additions to existing buildings. These requirements do not apply to micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

If this is a contract for the construction of new buildings or additions to existing buildings, the Contractor agrees that any new building or addition to an existing building will be constructed in accordance with standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 CFR Part 41 and will certify compliance to the extent required by the regulation. The Contractor also agrees to ensure that all work performed under this Contract including work performed by a subcontractor is in compliance with the standards required by the Seismic Safety Regulations and the certification of compliance. The completed certification of

compliance is to be submitted to the Port Authority's project manager. The seismic safety standards applicable to this Contract are contained in Section 2312 ICBO Uniform Building Code (UBC), as modified by the Appendix to Title 27, Chapter 1 (Volume 7), of the Administrative Code and Charter of the City of New York at RS 9-6 Earthquake Loads.

14. ENERGY CONSERVATION

Applies to All Contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The Contractor agrees to comply with the mandatory energy efficiency standards and policies within the applicable State energy conservation plans issued in compliance with the Energy Policy and Conservation Act, 42 U.S.C. §6321 et seq and the National Environmental Policy Act, 42 U.S.C. §4321 et seq. Accordingly, the Contractor agrees that the construction of any new building, or any addition, alteration or renovation of any existing building which materially increases the heating or cooling requirements for the building will comply with mandatory standards and policies relating to energy efficiency which are contained in 42 USC §6321 et seq., Article 11 of the New York State Energy Law and in Parts 7810 to 7815 of Title 9, Subtitle BB of the New York Codes, Rules and Regulations. The Contractor shall be responsible for ensuring that lower tier contractors and subcontractors and subagreements are in compliance with these requirements.

15. CLEAN WATER REQUIREMENTS

Applies to each contract and subcontract which exceeds \$100,000.

Retention Period. All records listed in the preceding §The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 USC §1251 et seq. The Contractor agrees to report each violation to the Authority and understands and agrees that the Authority will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

The Contractor also agrees to include the requirements of this Article in all subcontracts exceeding \$100,000 issued pursuant to this Contract.

16. CLEAN AIR REQUIREMENTS

Applies to all contracts over \$100,000, including indefinite quantities where the amount is expected to exceed \$100,000 in any year.

The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 USC §7401 et seq. The Contractor agrees to report each violation to the Authority and understands and agrees that the Authority will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

The Contractor also agrees to include the requirements of this Clause in all subcontracts exceeding \$100,000 issued pursuant to this Contract.

17. FLY AMERICA

Applies to certain contracts involving international transportation of persons or property, by air when the FTA will participate in the costs of such air transportation. These requirements do not apply to micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The Contractor agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that recipients and subrecipients of Federal funds and their contractors are required to use U.S. Flag air carriers for U.S Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The Contractor shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The Contractor agrees to include the requirements of this section in all subcontracts that may involve international air transportation. The Contractor shall include the requirements of this section in all first tier subcontracts that may involve international air transportation and shall be responsible for ensuring that lower tier contractors and subcontractors are in compliance with these requirements.

18. RECYCLED PRODUCTS

Applies to all contracts for items designated by the EPA, when the Port Authority or contractor procures \$10,000 or more of one of these items during the fiscal year or when the cost of such items purchased during the previous fiscal year was \$10,000.

The Contractor agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247. The Contractor also agrees to include the requirements of this Clause in all subcontracts exceeding \$10,000 for items designated by the Environmental Protection Agency (EPA) and issued pursuant to this Contract. The Contractors shall be responsible for ensuring that lower tier contractors and subcontractors are in compliance with these requirements.

19. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000).

The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § 3801 *et seq.* and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 CFR Part 31, apply to its actions pertaining to this Project. The Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the contract or project. In addition to other penalties that may be applicable, the Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor to the extent the Federal Government deems appropriate.

The Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under this Contract, financed in whole or in part with Federal assistance, the Federal Government reserves the right to impose the penalties of 49 U.S.C. § 5323(l), 18 U.S.C. § 1001, or other applicable Federal law to the extent the Federal Government deems appropriate.

The Contractor agrees to include the above two clauses in each subcontract related to this Contract. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

20. TRANSIT EMPLOYEE PROTECTIVE REQUIREMENTS

Applies to all contracts except micro-purchases (\$3,000 or less, except for construction contracts over \$2,000). The Contractor Agrees to comply with the applicable transit employee protective requirements as follows:

1. The Contractor agrees to comply with applicable transit employee protective requirements as follows:

- a. General Transit Employee Protective Requirements-To the extent that FTA determines that transit operations are involved, the Contractor agrees to carry out the transit operations work on the underlying contract in compliance with terms and conditions determined by the U.S. Secretary of Labor to be fair and equitable to protect the interests of employees employed under this Contract and to meet the employee protective requirements of 49 U.S.C. A 5333(b), and U.S. DOL guidelines at 29 C.F.R. Part 215, and any amendments thereto. These terms and conditions are identified in the letter of certification from the U.S. DOL to FTA

applicable to the FTA Recipient's project from which Federal assistance is provided to support work on the underlying contract. The Contractor agrees to carry out that work in compliance with the conditions stated in that U.S. DOL letter. The requirements of this subsection (1), however, do not apply to any contract financed with Federal assistance provided by FTA either for projects for elderly individuals and individuals with disabilities authorized by 49 U.S.C. § 5310(a)(2), or for projects for non-urbanized areas authorized by 49 U.S.C. § 5311. Alternate provisions for those projects are set forth in subsections (b) and (c) of this clause.

- b. Transit Employee Protective Requirements for Transit Employee Protective Requirements for Projects Authorized by 49 U.S.C. § 5310(a)(2) for Elderly Individuals and Individuals with Disabilities-If the contract involves transit operations financed in whole or in part with Federal assistance authorized by 49 U.S.C. § 5310(a)(2), and if the U.S. Secretary of Transportation has determined or determines in the future that the employee protective requirements of 49 U.S.C. § 5333(b) are necessary or appropriate for the state and the public body subrecipient for which work is performed on the underlying contract, the Contractor agrees to carry out the Project in compliance with the terms and conditions determined by the U.S. Secretary of Labor to meet the requirements of 49 U.S.C. § 5333(b), U.S. DOL guidelines at 29 C.F.R. Part 215, and any amendments thereto. These terms and conditions are identified in the U.S. DOL's letter of certification to FTA, the date of which is set forth Grant Agreement or Cooperative Agreement with the state. The Contractor agrees to perform transit operations in connection with the underlying contract in compliance with the conditions stated in that U.S. DOL letter.
- c. *Transit Employee Protective Requirements for Projects Authorized by 49 U.S.C. § 5311 in Nonurbanized Areas* - If the contract involves transit operations financed in whole or in part with Federal assistance authorized by 49 U.S.C. § 5311, the Contractor agrees to comply with the terms and conditions of the Special Warranty for the Nonurbanized Area Program agreed to by the U.S. Secretaries of Transportation and Labor, dated May 31, 1979, and the procedures implemented by U.S. DOL or any revision thereto.

2. The Contractor also agrees to include the any applicable requirements in each subcontract involving transit operations financed in whole or in part with Federal assistance provided by FTA.

21. ADA ACCESS REQUIREMENTS

Facilities to be used in public transportation service must comply with 42 U.S.C. Sections 12101 *et seq.* and DOT regulations, "Transportation Services for Individuals with Disabilities (ADA)," 49 CFR Part 37; and Joint ATBCB/DOT regulations, "Americans with Disabilities (ADA)

Accessibility Specifications for Transportation Vehicles,” 36 CFR Part 1192 and 49 CFR Part 38.

22. BUY AMERICA

Applies to Construction Contracts and Acquisition of Goods or Rolling Stock (valued at more than \$100,000).

The contractor agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. 661.7, and include final assembly in the United States for 15 passenger vans and 15 passenger wagons produced by Chrysler Corporation, and microcomputer equipment and software. Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11. Rolling stock must be assembled in the United States and have a 60 percent domestic content. The Contractor shall be responsible for ensuring that lower tier contractors and subcontractors are in compliance with these requirements. Subcontracts in any amount are subject to Buy America.

A bidder or offeror must submit to the FTA recipient the appropriate Buy America Certification with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America Certification must be rejected as non-responsive. This certification requirement does not apply to lower-tier subcontractors.

23. TERMINATION FOR CAUSE OR CONVENIENCE

Notwithstanding anything to the contrary elsewhere within this Contract, the Authority 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, pursuant to 49 C.F.R. 13.36 (i)(2) and as set forth in the “Standard Contract Terms and Conditions,” Part II, Section 14. In the event of termination for convenience, the Contractor shall be paid its costs, including contract close-out costs, as so provided for in the Contract, on work performed up to the time of termination for convenience. See the “Standard Contract Terms and Conditions,” Part II, Section 14(f). The termination requirements apply to all Port Authority contracts in excess of \$10,000.

24. AUTHORITY OF CHIEF ENGINEER - BREACHES AND DISPUTE RESOLUTION

Inasmuch as the public interest requires that the project to which this Contract relates shall be performed in the manner which PATH, acting through the Chief Engineer (or his/her designee), deems best, the (or his/her designee) shall have absolute authority to determine what is or is not necessary or proper for or incidental to the portion thereof, and the Contract Drawings and Specifications shall be deemed merely his present determination on this point. In the exercise

of this authority, he/she shall have power to alter the Contract Drawings and Specifications; to require the performance of Work not required by them in their present form, even though of a totally different character from that now required; and to vary, increase and diminish the character, quantity and quality of, or to countermand, any Work now or hereafter required. Such variation, increase, diminution or countermanding need not be based on necessity but may be based on convenience.

If at any time it shall be, from the viewpoint of PATH, impracticable or undesirable in the judgment of the Chief Engineer (or his/her designee) to proceed with or continue the performance of the Contract or any part thereof, whether or not for reasons beyond the control of PATH, he/she shall have authority to suspend performance of any part or all of the Contract until such time as he may deem it practicable or desirable to proceed. Moreover, if at any time it shall be, from the viewpoint of PATH impracticable or undesirable in the judgment of the Chief Engineer (or his/her designee) to proceed with or continue the performance of the Contract or any part thereof whether or not for reasons beyond the control of PATH, he shall have authority to cancel this Contract as to any or all portions not yet performed and as to any materials not yet installed even though delivered. 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.

To resolve all disputes and to prevent litigation the parties to this Contract authorize the Chief Engineer (or his/her designee) to decide all questions of any nature whatsoever arising out of, under, or in connection with, or in any way related to or on account of, this Contract (including claims in the nature of breach of Contract or fraud or misrepresentation before or subsequent to acceptance of the Contractor's Bid or Proposal and claims of a type which are barred by the provisions of this Contract) and his/her decision shall be conclusive, final and binding on the parties. His/her decision may be based on such assistance as he/she may find desirable. The effect of his/her decision shall not be impaired or waived by any negotiations or settlement offers in connection with the question decided, whether or not he participated therein himself, or by any prior decision of the Engineer or others, which prior decisions shall be deemed subject to review, or by any termination or cancellation of this Contract provided, however, that notwithstanding the decision reached by the Chief Engineer (or his/her designee) in a review of determinations by the Chief of Construction or Engineer of Construction or Engineer that a particular item of Work is not a Change that is subject to the provisions of the clause hereof entitled "Changes," the Contractor shall be compensated therefor as provided in written orders of the Chief of Construction or Engineer of Construction or Engineer expressly and unmistakably indicating his/her intention to treat Work described therein as Changes issued in accordance with the Changes clause for amounts not in excess of \$250,000.

All such questions shall be submitted in writing by the Contractor to the Chief Engineer (or his/her designee) for his decision, together with all evidence and other pertinent information in regard to such questions, in order that a fair and impartial decision may be made. In any action against PATH relating to any such question the Contractor must allege in his complaint and prove such submission, which shall be a condition precedent to any such action. No evidence or information shall be introduced or relied upon in such an action that has not been so presented to the Chief Engineer (or his/her designee).

This numbered clause shall be governed by and construed in accordance with the law of the State of New York, without giving effect to its choice of law provisions.

- i. Performance During Dispute – Unless otherwise directed by the Port Authority, the Contractor shall continue performance under this Contract while matters in dispute are being resolved.
- ii. Claims for Damages – Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of his employees, agents or others for whose acts he is legally liable, a claim for damages therefor shall be made in writing to such other party within five (5) days after the claim arises.
- iii. Rights and Remedies –The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by the AGENCY or CONTRACTOR shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352
(TO BE SUBMITTED WITH EACH BID OR OFFER EXCEEDING \$100,000.)

The undersigned

(name of authorized officer)

certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, “Disclosure of Lobbying, Activities” in accordance with its instructions.

- The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by, 31, U.S. C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Note: Pursuant to 31 U.S.C § 1352(c)(I)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

Executed this day _____ of _____, 201

By: _____

Signature of Authorized Official

Official Name and Title of Authorized Official

<p>to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</p>	<p>Telephone No.: _____ Date: _____</p>
<p>Federal Use Only</p>	<p>Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)</p>

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitations for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Included prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.

10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter Last Name, First Name, and Middle Initial (MI).
 11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.
-

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION - LOWER TIER COVERED TRANSACTIONS

1. The prospective lower tier participant,

_____, certifies by submission of this bid or proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

3. The prospective lower tier participant shall provide immediate written notice to the Authority (and the Contractor, if applicable) if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

Executed this day _____ of _____, 201_____.

BY SIGNATURE OF AUTHORIZED OFFICIAL

NAME AND TITLE OF AUTHORIZED OFFICIAL

**INSTRUCTIONS FOR COMPLETION OF CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION -
LOWER TIER COVERED TRANSACTIONS**

1. By signing and submitting this Proposal, the prospective lower tier participant is providing the signed certification set out on the previous page.
2. This certification is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the Authority may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the Authority if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms “covered transaction,” “debarred,” “suspended,” “ineligible,” “lower tier covered transaction,” “participant,” “persons,” “lower tier covered transaction,” “principal,” “proposal,” and “voluntarily excluded,” as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549 [49 CFR Part 29]. The Proposer may contact the Procurement Representative for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized in writing by the Authority.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include the “Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction,” without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List issued by U.S. General Service Administration.
8. Nothing contained in the foregoing shall be construed to require establishment of system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under sub-paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to all remedies available to the Federal Government, the Authority may pursue available remedies including suspension and/or debarment.

END OF FTA CONTRACT PROVISIONS

BUY AMERICA CERTIFICATION (ROLLING STOCK)

A bidder or offeror must submit to the FTA recipient the Buy America certification (below) with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America certification must be rejected as nonresponsive. This requirement does not apply to lower tier subcontractors.

CERTIFICATION REQUIREMENT FOR PROCUREMENT OF BUSES, OTHER ROLLING STOCK AND ASSOCIATED EQUIPMENT (ROLLING STOCK)

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C).

The bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

Date _____

Signature _____

Company Name _____

Title _____

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11, but may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Date _____

Signature _____

Company Name _____

Title _____

The undersigned Bidder has satisfied the requirements of the Contract in the following manner (Complete the appropriate spaces and check one box):

The Bidder is committed to meeting the DBE goal set forth in this Contract.

OR

The Bidder is unable to meet the DBE goal set forth in this Contract, but is committed to a minimum of _____% DBE utilization on this Contract and submits the attached narrative and documentation demonstrating good faith efforts consistent with Appendix A of 49 CFR 26 to meet the DBE utilization goal set forth in this Contract. Attach as many pages as necessary to provide a full and complete narrative and supporting documentation of good faith efforts made. This narrative shall be submitted on company letterhead and signed.

It is the present intent of the Bidder to utilize the specific DBE firms identified in Appendix A2 in the performance of the Work under this Contract. If for any reason, one or more of the DBE firms identified in Appendix A2 are unable or unwilling to participate, the Bidder will make good faith efforts to replace the DBE firm with another DBE firm in accordance with the Information For Bidders clause entitled “Disadvantaged Business Enterprise Program (DBE)”.

I _____ (print name), an officer of _____ (company name), certify that I have read the Appendix A1 – DBE Goals 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 _____ Title _____ Date _____

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

ACKNOWLEDGEMENT BY NOTARY PUBLIC

APPENDIX A1 - DBE GOALS STATEMENT (reverse)

ACKNOWLEDGEMENT
of

STATE OF _____)

S.S.:

COUNTY OF _____)

On this _____ day of _____, before me personally came and appeared _____ to be known, who being by me duly sworn, did depose and say that he/she resides at _____, that he/she is the _____ of _____ company, that the seal affixed to said Certification is such corporate seal, that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

Appendix A2: DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT

PA 3752B/ 01-15

Instructions: Submit one DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT form for each DBE firm used on this Contract.

CONTRACT NUMBER AND TITLE: _____

BIDDER:

Name of Firm: _____

Address: _____ Telephone: _____

Email Address: _____

DBE:

Name of Firm: _____

Address: _____ Telephone: _____

Description of work to be performed by DBE: _____

Calculation (supply only): _____

The Bidder is committed to utilizing the above-named DBE 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

The above-named DBE 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 DBE and Name and Title

If the Bidder does not receive award of the Contract, any and all representations in this DBE Participation Plan and Affirmation Statement shall be null and void.

I _____ (print name), an officer of _____ (company name), certify that I have read the Appendix A2 – DBE 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 _____ Title _____ Date _____

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

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

ACKNOWLEDGEMENT BY NOTARY PUBLIC

**APPENDIX A2
DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT (reverse)**

ACKNOWLEDGEMENT
of

STATE OF _____)

S.S.:

COUNTY OF _____)

On this _____ day of _____, before me personally came and appeared _____ to be known, who being by me duly sworn, did depose and say that he/she resides at _____, that he/she is the _____ of _____ company, that the seal affixed to said Certification is such corporate seal, that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

ACKNOWLEDGEMENT BY NOTARY PUBLIC

**APPENDIX A3
INFORMATION ON SOLICITED FIRMS (reverse)**

ACKNOWLEDGEMENT
of

STATE OF _____)

S.S.:

COUNTY OF _____)

On this _____ day of _____, before me personally came and appeared _____ to be known, who being by me duly sworn, did depose and say that he/she resides at _____, that he/she is the _____ of _____ company, that the seal affixed to said Certification is such corporate seal, that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

INSTRUCTIONS:

A LOW BIDDER THAT SUBMITS A DBE PARTICIPATION PLAN THAT INCLUDES AMOUNT(S) FOR TRUCKING MUST COMPLETE THIS FORM TO SHOW HOW THE COMMITMENT AMOUNT WAS ESTIMATED. THIS FORM IS TO BE ATTACHED TO THE REQUIRED "DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT (APPENDIX A2)" FOR FEDERALLY FUNDED CONTRACTS.

PRIME CONTRACTORS UTILIZING DBE FIRMS WITH A "TRUCKING" CLASSIFICATION TO MEET DBE CONTRACT GOALS MUST BE AWARE THAT CERTAIN CONDITIONS MUST BE MET BY THE DBE TRUCKING FIRM IN ORDER TO BE CONSIDERED COMMERCIALY USEFUL. THESE CONDITIONS DIRECTLY AFFECT HOW MUCH PARTICIPATION CREDIT WILL BE COUNTED TOWARD THE GOAL. FOR DBE CREDIT, THESE CONDITIONS ARE OUTLINED UNDER CFR PART 26.55(d) (1) THROUGH (7).

Use the following factors in determining whether a DBE trucking company is performing a commercially useful function:

- The DBE must 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 DBE goals.
- The DBE must itself own and operate at least one fully licensed, insured and operational truck used on the contract.
- The DBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates, using drivers it employs.
- The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
- The DBE may also lease trucks from non-DBE firms and owner-operators. The DBE can count the value of these trucking services up to the value of services performed by the DBE trucks used on the contract. DBE participation can be counted for the value of services of non-DBE trucks that exceed the value of services performed by DBE trucks only in the amount of the fee or commission a DBE receives as a result of the lease arrangement.
- A lease must indicate that the DBE has exclusive use of and control over the truck for the period of the subcontract. This does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck

FILL OUT THE INFORMATION ON PAGE 2 FOR EACH DBE TRUCKING FIRM UTILIZED.

MAKE ADDITIONAL COPIES FOR EACH DBE TRUCKING FIRM USED ON THE CONTRACT.

PRE-AWARD DBE TRUCKING COMMITMENT INFORMATION

DATE: _____ CONTRACTOR NAME: _____

CONTRACT NUMBER: _____ TELEPHONE: _____

NAME OF DBE TRUCKING FIRM: _____

SCOPE OF WORK OF TRUCKING FIRM: _____

SUPERVISOR OF THE DAY-TO-DAY DBE TRUCKING OPERATION: _____

NUMBER OF TRUCKS _____ + _____ = _____
OWNED LEASED TOTAL

NUMBER OF TRUCKS
PERFORMING WORK _____

_____ X _____ = _____
RATE PER DURATION/NUMBER COMMITMENT

LIST THE PROPER PERMITS REQUIRED TO BE RETAINED BY THE FIRM FOR THE WORK FOR WHICH IT IS BEING HIRED. _____

DOES/WILL THE DBE FIRM HAVE OR BE ABLE TO RETAIN THE PROPER PERMITS REQUIRED TO PERFORM THE WORK FOR WHICH IT IS BEING HIRED? YES _____ NO _____ IF NO, FIRM CANNOT BE UTILIZED.

FOR ANY LEASED TRUCK, SUBMIT A COPY OF THE LEASE AGREEMENT.

SIGNATURE OF PRINCIPAL OR OFFICER OF TRUCKING FIRM: _____

PRINT NAME: _____ TITLE: _____

I _____ (print name), an officer of _____ (company name), certify that I have read the Pre-Award DBE Trucking Commitment Information 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 _____ Title _____ Date _____

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

ACKNOWLEDGEMENT BY NOTARY PUBLIC

PRE-AWARD DBE TRUCKING COMMITMENT INFORMATION (reverse)

ACKNOWLEDGEMENT

of

STATE OF _____)

S.S.:

COUNTY OF _____)

On this _____ day of _____, before me personally came and appeared _____ to be known, who being by me duly sworn, did depose and say that he/she resides at _____, that he/she is the _____ of _____ company, that the seal affixed to said Certification is such corporate seal, that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

DBE REGULAR DEALER VERIFICATION FORM

PA 3750A/ 01-15

(To be completed by DBE firm and signed by Prime Contractor)

Project Number:	Telephone # of Prime
Prime Contractor:	
DBE Firm:	
Provide a brief description of the material(s) your firm will be supplying and the Prime is requesting be credited as a regular dealer (including item numbers and estimated quantities when possible).	
If either question is marked 'No', then the Prime cannot receive regular dealer credit for the services provided by the DBE firm. Instead, the maximum credit that could be received would be the fee or commission the DBE firm receives for its services. Before executing this form, read the attached 'Guide for Counting DBE Suppliers' which includes the official question and answer issued by the United States Department of Transportation.	
	Yes No
1. Does your firm "regularly" engage in the purchase and sale or lease, to the general public in the usual course of its business, of product(s) of the general character which will be involved in this contract and for which DBE credit is being sought?	
2. Is the role your firm will play on this specific contract consistent with the regular sale or lease of the product(s) in question, as distinct from a role better understood as that of a broker, packager, manufacturer's representative, or other person who arranges or expedites a transaction?	
Authorized Representative of DBE Firm	
The undersigned individual hereby verifies that he/she is authorized to make this verification on behalf of the DBE firm, that the DBE firm "regularly" engages in the purchase and sale or lease of the items listed herein and is not otherwise a packager, broker, manufacturer's representative, or other person who arranges or expedites transactions, that the answers and information provided herein are true and correct to the best of her/his knowledge, information and belief and any false statement made in this verification 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.).	
_____ Signature of Principal or Officer	_____ Date
_____ Print Name and Title	_____ Phone Number
Authorized Representative of Prime Contractor	
The undersigned individual hereby verifies that he/she is authorized to make this verification on behalf of the prime contractor, that, to the best of his/her knowledge, information and belief the DBE firm 'regularly' engages in the purchase and sale or lease of the items listed herein and is not otherwise a packager, broker, manufacturers' representative, or other person who arranges or expedites transactions.	
I, Signature of Principal or Officer _____	Date _____
_____ an officer of _____	_____
Print Name and Title	Company
certify that I have read the DBE Regular Dealer Verification Form 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.	
Officer must have ACKNOWLEDGEMENT BY NOTARY PUBLIC completed on the reverse side.	

ACKNOWLEDGMENT BY NOTARY PUBLIC
DBE REGULAR DEALER VERIFICATION FORM (reverse)

ACKNOWLEDGEMENT

of

STATE OF _____)

S.S.:

COUNTY OF _____)

On this _____ day of _____, before me personally came and appeared _____ to be known, who being by me duly sworn, did depose and say that he/she resides at _____, that he/she is the _____ of _____ company, that the seal affixed to said Certification is such corporate seal, that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

GUIDE FOR COUNTING DBE SUPPLIERS

- The official question and answer (Q & A) issued by the United States Department of Transportation on December 9, 2011 as institutional guidance based on 49 C.F.R. § 26.55 relative to regular dealers poses two questions that must both be answered ‘yes’ in order for the DBE firm to receive regular dealer credit equivalent to 60 percent of the value for materials supplied on federally-assisted transportation projects.
- Following is the official Q & A in italics:
 - First, does the firm “regularly” engage in the purchase and sale or lease, to the general public in the usual course of its business, of products of the general character involved in the contract and for which DBE credit is sought?*
 - *Answering this question involves attention to the activities of the business over time, both within and outside the context of the DBE program.*
 - *The distinction to be drawn is between the regular sale or lease of the products in question and merely occasional or ad hoc involvement with them.*
 - *In answering this question, [the Port Authority of NY and NJ] will not insist that every single item the DBE firm supplies be physically present in the firm’s store, warehouse, etc. before it is sold to a contractor. However, the establishment in which the firm keeps items it sells to the general public should be more than a token location.*
 - *For example, a mere showroom, the existence of a hard-copy or on-line catalog, or the presence of small amounts of material that make questionable the ability of the firm to effectively supply quantities typically needed on a contract, are generally not sufficient to demonstrate that a firm regularly deals in the items.*
 - Second, is the role the firm plays on the specific contract in question consistent with the regular sale or lease of the products in question, as distinct from a role better understood as that of a broker, packager, manufacturer’s representative, or other person who arranges or expedites a transaction?*
 - *For example, a firm that regularly stocks and sells Product X may, on a particular contract, simply communicate a prime contractor’s order for Product Y to the manufacturer, acting in a transaction expediting capacity.*
 - *This means that a firm that acts as a regular dealer on one contract does not necessarily act as a regular dealer on other contracts. For example, a firm that acts as a regular dealer on Contract #1 may act simply as a “transaction expeditor” or “broker” on Contract #2. It would receive DBE credit for 60 percent of the value of the goods supplied on Contract #1 while only receiving DBE credit for its fee or commission on Contract #2.*
 - *In some circumstances, items are “drop-shipped” directly from a manufacturer’s facility to a job site, never being in the physical possession of or transported by a supplier. In many such cases, the supplier’s role may involve nothing more than contacting the manufacturer and placing a job-specific order for an item that the manufacturer then causes to be transported to the job site.*
 - *In such a situation, the supplier’s role may often be better described as that of a “broker” or “transaction expeditor” (see 49 C.F.R. § 26.55(e)(2)(ii)(C)) than as a “regular dealer.” In such a case, DBE credit is limited to the fee or commission the firm receives for its services. If the firm does not provide any commercially useful function (i.e., it is simply inserted as an extra participant in a transaction), then no DBE credit can be counted.*
- The Port Authority of NY and NJ propose that primes submit the two questions to DBEs in writing. If the DBE firm answers ‘yes’ to both questions, then the written documentation would be taken into account in the Port Authority of NY and NJ’s good faith effort determination in accordance with Section 26.53 of the federal DBE regulation set forth in Title 49 Code of Federal Regulations Part 26.
- If it were later determined that the DBE misrepresented itself or erroneously concluded that it was acting as a regular dealer, the Port Authority of NY and NJ would strongly consider this documentation in evaluating the actions of the prime and in determining whether the prime exercised reasonable due diligence by obtaining a written regular dealer confirmation from the DBE even though it later turned out to be false.
- Participation would still have to be revised, but the Port Authority of NY and NJ will fully consider the written documentation in its good faith effort review.
- The Port Authority of NY and NJ reserves the right to address any misrepresentation by the DBE firm or the prime consistent with the “Bidders Certification Statement” and other requirements and procedures for determinations of whether a contractor has acted responsibly.

DBE Payment Request Certification Form

(Must be attached to all DBE invoices)

Contract No. _____ Contract Title _____

Contractor/Consultant _____

DBE Subcontractor Name _____

Address. _____

Original Subcontract amount (original amount) \$ _____

Current Subcontract amount (if changed/amended) \$ _____

Total Payments received to date \$ _____ as of _____

Total Invoice to date \$ _____

This invoice \$ _____

Period covered for this invoice (monthly reporting period) From _____ To _____

Did your company possess the necessary skills, equipment and facilities necessary to perform a commercially useful function consistent with the trade or business for which your company was hired for the reporting period? If No, explain fully. **Y** **N**

Did your company utilize any equipment, employees or former employees of the prime/sub contractor(s) or affiliates thereof on this contract during the reporting period? If Yes, explain fully. **Y** **N**

Does your company or any of its officers/owners have a financial or personal relationship with the company or any of its officers/owners for which you are a subcontractor for on this contract? If Yes, explain fully. **Y** **N**

Did your company subcontract any of its work during the reporting period? If Yes, explain fully. **Y** **N**

Subcontractor Officer must complete the Certification on the reverse side

DBE Payment Request Certification Form (reverse)

(Must be attached to all DBE invoices)

I _____ (print name), an officer of _____
(company name), certify that I have read the Certification on the reverse side 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 _____ Title _____ Date _____

ACKNOWLEDGMENT

of

STATE OF _____)

S.S.:

COUNTY OF _____)

On this _____ day of _____, before me personally came and
appeared _____ to be known, who being by me duly sworn, did depose and say
that he/she resides at _____, that he/she is the
_____ of _____ company, that the seal affixed
to said Certification is such corporate seal, that it was so affixed by order of the directors of said
corporation, and that he/she signed his/her name thereto by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

STATEMENT OF PAYMENTS TO DBE SUBCONTRACTORS / LESSORS / SUPPLIERS

Contract No _____	Award Date _____	Contract Amount _____	(C)	To _____	Monthly Reporting Period	Payment No. _____	The Port Authority of NY & NJ - For R.E. Office Use Only
Contract Title _____				From _____		Total Paid to Date. _____	Date Received: _____
Contractor _____		% Complete _____					Reviewed By: _____
							Title: _____

<p style="text-align: center; background-color: #003366; color: white; padding: 2px;">DBE Participation</p> <p>Number of DBE Subs/Suppliers _____ DBE Invoices to Date _____</p> <p>Total Value of DBE Subcontracts \$ _____ DBE Paid to Date _____ (A)</p> <p>Total Value of DBE Suppliers \$ _____ DBE Suppliers Paid to Date _____ (B)</p> <p>DBE % of Contract Amount _____ = (A) + ((B) x .6) / (C)</p>	<p style="text-align: center;">This box is intentionally left blank.</p>
--	--

										AMOUNTS PAID		
SUBCONTRACTOR'S / SUPPLIER NAME	S = SUB P = SUPPLIER	DESCRIPTION OF WORK / MATERIAL SUPPLIED	MINORITY STATUS DBE	STATUS THIS PERIOD ACTIVE - (A) INACTIVE - (I) COMPLETE - (C)	SAR AMOUNT	START DATE	SUB % COMPLETE	PROJECTED COMPLETION DATE	Work Order No.	Total of All Prior Statements	Paid This Statement	Cumulative To Date

- IF NECESSARY, USE A SEPARATE SHEET**
1. Did any of the DBE subcontractors rent/lease equipment from the contractor/consultant or an affiliate company during the report period? If yes, explain the arrangement, including a description of the equipment and the cost. Y / N

 2. Did any of the DBE subcontractors utilize employees or former employees of the contractor/consultant or an affiliate company during the report period? Y / N

 3. Did any of the DBE subcontractors subcontract any portion of its work to a non-DBE during the report period? If yes, explain fully. Y / N

 4. Has the scope of work or the subcontract amount for any of the DBE subcontractors changed since the last report? If yes, explain fully. Y / N

 5. Has the DBE subcontractor(s) listed performed a commercially useful function consistent with their trade or business? If No, fully explain. Y / N

Date Prepared: _____ Phone: _____

Prepared by: _____

Title: _____

An Officer of the Contractor/Consultant must complete the Certification on the Reverse Side

STATEMENT OF PAYMENTS FORM (REVERSE SIDE)

(name of officer)

(Name of Company)

I _____, an officer of _____,
certify that I have read the Statement of Payment Form on the reverse side 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
Officer _____

Date _____

Title of Officer _____

**ACKNOWLEDGEMENT
of**

STATE OF _____)

S.S:

COUNTY OF _____)

On this _____ day of _____, before me personally came and appeared
_____ to be known, who being by me duly sworn, did depose and say that he/she
resides at _____, that he/she is the _____ of
_____ company, that the seal affixed to said Certification is such corporate seal,
that it was so affixed by order of the directors of said corporation, and that he/she signed his/her name thereto
by like order.

(Notary's Seal or Stamp)

Notary Public
My commission expires:

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STANDARD CONTRACT TERMS AND CONDITIONS

PART I GENERAL DEFINITIONS

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

Authority or Port Authority - shall mean the Port Authority of New York and New Jersey.

PATH – shall mean the Port Authority Trans-Hudson Corporation.

Contract, Document or Agreement - shall mean the writings setting forth the scope, terms, conditions and Specifications for the procurement of Goods and/or Services, as defined hereunder and shall include, but not be limited to: Invitation for Bid (IFB), Request for Quotation (RFQ), Request for Proposal (RFP), Purchase Order (PO), Cover Sheet, executed Signature Sheet, AND PRICING SHEETS with Contract prices inserted, "STANDARD CONTRACT TERMS AND CONDITIONS," and, if included, attachments, endorsements, schedules, exhibits, or drawings, the Authority's acceptance and any written addenda issued over the name of the Authority's Manager, Purchasing Services Division.

Days or Calendar Days - shall mean consecutive calendar days, Saturdays, Sundays, and holidays, included.

Week - unless otherwise specified, shall mean seven (7) consecutive calendar days, Saturdays, Sundays, and holidays.

Month – unless otherwise specified, shall mean a calendar month.

Director/General Manager – shall mean the Director/General Manager of PATH which operates the facility of PATH at which the services hereunder are to be performed, for the time being, or his/her successor in duties for the purpose of this Contract, or one of his/her authorized representatives for the purpose of this Contract.

Superintendent/Manager – shall mean the Superintendent/Manager of the PATH Division responsible for operating the said Facility for the time being, or his/her successor in duties for the purpose of this Contract, 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 Authority's, Assistant Director, Commodities & Services Division, 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 shall mean the Facility and all buildings and properties associated therewith as described in this Contract.

Subcontractor - shall mean anyone who performs work (other than or in addition to the furnishing of materials, plant or equipment) in connection with the services to be provided hereunder, directly or indirectly for or on behalf of the Contractor (and whether or not in privity of contract with the Contractor), but shall not include any person who furnished merely his own personal labor or his own personal services. "Subcontractor", however, shall exclude the Contractor or any subsidiary or parent of the Contractor or any person, firm or corporation which has a substantial interest in the Contractor or in which the Contractor or the parent or the subsidiary of the Contractor, or an officer or principal of the Contractor or of the parent of the subsidiary of the Contractor has a substantial interest, provided, however, that for the purpose of the clause hereof entitled "Assignments and Subcontracts" the exclusion in this paragraph shall not apply to anyone but the Contractor itself.

Work - shall mean all services, equipment and materials (including materials and equipment, if any, furnished by the Authority) and other facilities and all other things necessary or proper for, or incidental to the services to be performed or goods to be furnished in connection with the service to be provided hereunder.

PART II GENERAL PROVISIONS

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 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 or 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 "Default, Revocation, or Suspension of Contract."
- 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. Default, Revocation or Suspension of Contract

a. 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 revoke this Contract, such revocation 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 revocation as if said date were the date of the expiration of this Contract. Such revocation shall not, however, relieve the Contractor of any liabilities or obligations hereunder which shall have accrued on or prior to the effective date of revocation.

b. 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, the PATH shall have the right upon five (5) days notice to the Contractor to terminate this Contract

and the rights of the Contractor hereunder; termination to be effective upon the date and time specified in such notice as if said date were the date of the expiration of this Contract. Termination shall not relieve the Contractor of any liabilities or obligations hereunder which have accrued on or prior to the effective date of termination.

c. If any of the following shall occur:

1. The Contractor shall cease, abandon any part of the service, desert, stop or discontinue its services in the premises for any reason whatsoever and regardless of the fault of the Contractor; or
2. The Contractor shall fail to keep, perform and observe each and every other promise, covenant and agreement set forth in this Contract on its part to be kept, performed or observed, within five (5) days after receipt of notice of default thereunder from PATH or the Port Authority on behalf of PATH (except where fulfillment of its obligations requires activity over a greater period of time, and the Contractor shall have commenced to perform whatever may be required for fulfillment within five (5) days after receipt of notice and continues such performance without interruption except for causes beyond its control);

then upon the occurrence of any such event or during the continuance thereof, PATH shall have the right on twenty four (24) hours notice to the Contractor to terminate this Contract and the rights of the Contractor hereunder, termination to be effective upon the date and time specified in such notice. Termination shall not relieve the Contractor of any liabilities which shall have accrued on or prior to the effective date of termination.

- d. If any of the events enumerated in this Section shall occur prior to commencement date of this Contract PATH upon the occurrence of any such event or any time thereafter during the continuance thereof by twenty-four (24) hours notice may terminate or suspend this Contract and the rights of the Contractor hereunder, such termination or suspension to be effective upon the date specified in such notice.
- e. 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 remedies to which PATH may be 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.
- f. 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 without cause 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 dates 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.
- g. Any right of termination contained 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 such other rights and remedies. It is hereby specifically agreed and understood that the exercise by the Port Authority of any right of termination set forth in this paragraph shall not be or be deemed to be an exercise by the Port Authority of an election of remedies so as to preclude PATH from 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.

- h. 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 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, subcontractors, worker or other third persons. If, however, the payment of any amount due the Contractor shall be improperly delayed, PATH shall 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.
- i. If PATH has paid any sum or has incurred any obligation or expense which the Contractor has agreed to pay or reimburse PATH, or if PATH is required or elects to pay any sum or sums or incurs any obligations or expense by reason of the failure, neglect or refusal of the Contractor to perform or fulfill any one or more of the conditions, covenants, or agreements contained in this Contract, or as a result of an act of omission of the Contractor contrary to the said conditions, covenants and agreements, the Contractor shall pay to PATH the sum or sums so paid or expense so incurred, including all interests, costs and damages, promptly upon the receipt of PATH's statement therefore. PATH may, however, in its discretion, elect to deduct said sum or sums from any payment payable by it to the Contractor.
- j. If PATH pays any installment to the Contractor without reducing said installment as provided in this Contract, it may reduce any succeeding installment by the proper amount, or it may bill the Contractor for the amount by which the installment paid should have been reduced and the Contractor shall pay to PATH any such amount promptly upon receipt of PATH's statement therefore.
- k. PATH shall also have the rights set forth above in the event the Contractor shall become insolvent or bankrupt or if his affairs are placed in the hands of a receiver, trustee or assignee for the benefit of creditors.

15. Sales or Compensating Use Taxes

Purchases of services and tangible personal property by PATH in the States of New York and New Jersey are generally exempt from state and local sales and compensating use taxes, and from most federal excises

(Taxes). Therefore, PATH's purchase of the Contractor's services under this Contract is exempt from Taxes. Accordingly, the Contractor must not include Taxes in the price charged to PATH for the Contractor's services under this Contract. The Contractor certifies that there are no such taxes included in the prices for this Contract. The Contractor shall retain a copy of this Contract to substantiate the exempt sale.

The compensation set forth in this Agreement is the complete compensation to the Contractor, and PATH will not separately reimburse the Contractor for any taxes unless specifically set forth in this Agreement.

16. No Estoppel or Waiver

PATH shall not be precluded or estopped by any payment, final or otherwise, issued or made under this Contract, from showing at any time the true amount and character of the services performed, or from showing that any such payment is incorrect or was improperly issued or made; and PATH shall not be precluded or estopped, notwithstanding any such payment, from recovering from the Contractor any damages which it may sustain by reason of any failure on its part to comply strictly with this Contract, and any moneys which may be paid to it or for its account in excess of those to which it is lawfully entitled.

No cancellation, rescission or annulment hereof, in whole or as to any part of the services to be provided hereunder, or because of any breach hereof, shall be deemed a waiver of any money damages to which PATH may be entitled because of such breach. Moreover, no waiver by the Authority of any breach of this Contract shall be deemed to be a waiver of any other or any subsequent breach.

17. Records and Reports

The Contractor shall set up, keep and maintain (and shall cause its subcontractors to set up, keep and maintain) in accordance with generally accepted accounting practice during the term of this Agreement and any extensions thereof and for three years after the expiration, termination or revocation thereof, records, payroll records and books of account (including, but not limited to, records of original entry and daily forms, payroll runs, cancelled checks, time records, union agreements, contracts with health, pension and other third party benefit providers) recording all transactions of the Contractor (and its subcontractors), at, through or in any way connected with or related to the operations of the Contractor (and its subcontractors) hereunder, including but not limited to all matters relating to the charges payable to the Contractor hereunder, all wages and supplemental benefits paid or provided to or for its employees (and its subcontractors' employees) and such additional information as PATH may from time to time and at any time require, and also including, if appropriate, recording the actual number of hours of service provided under the Contract, and keeping separate records thereof which records and books of account shall be kept at all times within the Port District. The Contractor shall permit (and cause its subcontractors to permit) in ordinary business hours during the term of this Agreement including any extensions thereof and for three years thereafter the examination and audit by the officers, employees and representatives of PATH of such records and books of account and also any records and books of account of any company which is owned or controlled by the Contractor, or which owns or controls the Contractor if said company performs services similar to those performed by the Contractor anywhere in the Port District. However, if within the aforesaid three year period PATH has notified the Contractor in writing of a pending claim by PATH under or in connection with this Contract to which any of the aforesaid records and documents of the Contractor or of its subcontractors relate either directly or indirectly, then the period of such right of access shall be extended to the expiration of six years from the date of final payment with respect to the records and documents involved.

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 noncitizens.

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:

1. will invalidate or be in conflict with any fire insurance policies covering the Facility or any part thereof or upon the contents of any building thereon; or
 2. will increase the rate of any fire insurance, extended coverage or rental insurance on the Facility or any part thereof or upon the contents of any building thereon; or
 3. in the opinion of PATH will constitute a hazardous condition, so as to increase the risk normally attendant upon the operations contemplated by this Contract; or
 4. may cause or produce in the premises, or upon the Facility any unusual, noxious or objectionable smoke, gases, vapors, odors; or
 5. may interfere with the effectiveness or accessibility of the drainage and sewerage system, fire protection system, sprinkler system, alarm system, fire hydrants and hoses, if any, installed or located or to be installed or located in or on the Facility; or
 6. shall constitute a nuisance in or on the Facility or which may result in the creation, commission or maintenance of a nuisance in or on the Facility.
- f. If by reason of the Contractor's failure to comply with the provisions of this Section and provided PATH has given the Contractor five (5) days written notice of its failure and the Contractor shall not have cured said failure within said five (5) days, any fire insurance, extended coverage or rental insurance rate on the Facility or any part thereof or upon the contents of any building thereon shall at any time be higher than it otherwise would be, then the Contractor shall on demand pay PATH that part of all fire insurance, extended coverage or rental insurance premiums paid or payable by PATH which shall have been charged because of such violations by the Contractor.
- g. The Contractor shall conduct its operations hereunder so as not to endanger, unreasonably interfere with, or delay the operations or activities of any tenants or occupants on the premises or the Facility and, moreover, shall use the same degree of care in performance on the premises as would be required by law of PATH and shall conduct operations hereunder in a courteous, efficient and safe manner.
- h. The Contractor shall provide such equipment and medical facilities as may be necessary to supply first aid service in case of accidents to its personnel who may be injured in the furnishing of service hereunder. The Contractor shall maintain standing arrangements for the removal and hospital treatment of any of its personnel who may be injured.

19. Assignments and Subcontracting

- a. The Contractor shall not sell, transfer, mortgage, pledge, subcontract or assign this Contract or any part thereof or any of the rights granted hereunder or any moneys due or to become due to it hereunder or enter into any contract requiring or permitting the doing of anything hereunder by an independent Contractor, without the prior written approval of PATH, and any such sale, transfer, mortgage, pledge, subcontract, assignment or contract without such prior written approval shall be void as to PATH.
- b. All subcontractors who provide permanent personnel to the Contractor for work under this Contract shall be given written notice to comply with all requirements of the Contract. The Contractor shall be responsible and liable for the performance and acts of each subcontractor.
- c. All persons to whom the Contractor sublets services shall be deemed to be its agents and no subletting or approval thereof shall be deemed to release this Contractor from its obligations under this Contract or to impose any obligations on PATH to such subcontractor or to give the subcontractor any rights against PATH.

20. Indemnification and Risks Assumed By The Contractor

To the extent permitted by law, the Contractor shall indemnify and hold harmless PATH, the Port Authority, their Directors, Commissioners, officers, representatives and employees from and against all claims and demands, just or unjust, of third persons (including Contractor's employees, employees, officers, and agents

of PATH and the Port Authority) arising out of or in any way connected or alleged to arise out of or alleged to be in any way connected with the Contract and all other services and activities of the Contractor under this Contract and for all expenses incurred by it and by them in the defense, settlement or satisfaction thereof, including without limitation thereto, claims and demands for death, for personal injury or for property damage, direct or consequential, whether they arise from the acts or omissions of the Contractor, of PATH, of the Port Authority, third persons (including Contractor's employees, employees, officers, and agents of PATH and the Port Authority), or from the acts of God or the public enemy, or otherwise, including claims and demands of any local jurisdiction against the Port Authority in connection with this Contract.

The Contractor assumes the following risks, whether such risks arise from acts or omissions (negligent or not) of the Contractor, PATH, the Port Authority, or third persons (including Contractor's employees, employees, officers, and agents of PATH and the Port Authority) or from any other cause, excepting only risks occasioned solely by affirmative willful acts of PATH or the Port Authority, as applicable, 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, repair, replace or rebuild to the satisfaction of PATH or the Port Authority, as applicable, any and all parts of the premises or the Facility which may be damaged or destroyed by the acts or omissions of the Contractor, its officers, agents, or employees and if the Contractor shall fail so to repair, replace, or rebuild with due diligence PATH or the Port Authority, as applicable, may, at its option, perform any of the foregoing work and the Contractor shall pay to PATH or the Port Authority as applicable the cost thereof.
- b. The risk of any and all loss or damage of the Contractor's property, equipment (including but not limited to automotive and/or mobile equipment) materials and possessions on the Facility.
- c. The risk of claim, whether made against the Contractor, 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 just or unjust of third persons arising or alleged to arise out of the performance of work hereunder, whether such claims are made against the Contractor, 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 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 or PATH, the immunity of the Port Authority or PATH, their Directors, Commissioners, officers, agents or employees, the governmental nature of the Port Authority or PATH or the provision of any statutes respecting suits against PATH or the Port Authority.

Neither the requirements of PATH under this Contract, nor of PATH of the methods of performance hereunder nor the failure of PATH to call attention to improper or inadequate methods or to require a change in the method of performance hereunder nor the failure of PATH to direct the Contractor to take any particular precaution or other action or to refrain from doing any particular thing shall relieve the Contractor of its liability for injuries to persons or damage to property or environmental impairment arising out of its operations.

21. Approval of Methods

Neither the approval of PATH of the methods of furnishing services hereunder nor the failure of PATH to

call attention to improper or inadequate methods or to require a change in the method of furnishing services hereunder, nor the failure of PATH to direct the Contractor to take any particular precautions or to refrain from doing any particular thing shall relieve the Contractor of its liability for injuries to persons or damage to property or environmental impairment arising out of its operations.

22. Safety and Cleanliness

- a. The Contractor shall, in the furnishing of services hereunder, exercise every precaution to prevent injury to person or damage to property or environmental impairment and avoid inconvenience to the occupants of or any visitors to the Facility. The Contractor shall, without limiting the generality hereof, place such personnel, erect such barricades and railings, give such warnings, display such lights, signals or signs, place such cones and exercise precautions as may be necessary, proper or desirable.
- b. The Contractor shall in case of unsafe floor conditions due to construction, wetness, spillage, sickness and all other types of hazardous conditions proceed to rope off the unsafe area and place appropriate warnings signs to prevent accidents from occurring. The Contractor shall clean said area to the satisfaction of the Superintendent/Manager.
- c. The Contractor shall at all times maintain in a clean and orderly condition and appearance any and all facilities provided by PATH for the Contractor's operations, and all fixtures, sink closets, equipment, and other personal property of PATH which are located in said facilities.

23. Accident Reports

The Contractor shall promptly report in writing to the Manager of the Facility and to the Deputy Chief, Litigation Management of 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 – Environmental Protection Supplies constitutes approval. The list may be revised from time to time and at any time by the Port Authority/PATH and it shall be incumbent upon the Contractor to obtain the most current list from the Superintendent/Manager of the Facility.

At anytime during the Solicitation, pre-performance or performance periods, the Contractor may propose the use of an alternate product or products to those on the Approved Products List – Environmental Protection Supplies, which product(s) shall be subject to review and approval by the Port Authority. Any alternate product so approved by the Port Authority/PATH may be used by the Contractor in performing the Services hereunder. Until such approval is given, only products on the Approved Products List – Environmental Protection Supplies may be used.

30. Intellectual Property

The right to use all patented materials, appliances, processes of manufacture or types of construction, trade and service marks, copyrights and trade secrets, collectively hereinafter referred to as “Intellectual Property Rights”, in the performance of the work, shall be obtained by the Contractor without separate or additional compensation. Where the services under this Agreement 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 save it 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 poses 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 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 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 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, or the like.

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 and/or PATH. The Contractor and subcontractors may also be required to use an organization designated by the Authority and/or PATH to perform the background checks.

As of January 29, 2007, 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 shall be reimbursable to the Contractor (and its subcontractors) as an out-of-pocket expense as provided herein. Staff that are rejected for a credential for any reason are not reimbursable.

- Issuance of Photo Identification Credential

No person will be permitted on or about a Port Authority or PATH construction site or facility (including rental spaces) without a facility-specific photo identification credential approved by the Authority and/or PATH. If the authority requires facility-specific identification credential for the Contractor's and the subcontractor's staff, the Authority and/or PATH 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/or PATH and shall be returned to the Authority and/or PATH 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 and/or PATH the loss of any staff member's individual facility-specific identification credential. The Contractor or subcontractor shall 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 or PATH 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, un laminated social security card for identify 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 subcontractors shall be completed prior to being provided a S.W.A.C. ID Photo Identification credential.

- 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, 2008, corrected as of November 14, 2013, 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 following is an outline of some of the procedures, obligations and directives contained in the Handbook:

- (1) require that the Contractor and subcontractors, when appropriate, sign Non-Disclosure Agreements (NDAs), or an Acknowledgment of an existing NDA, provided by the Authority as a condition of being granted access to Protected Information categorized and protected as per the Handbook;
- (2) require that individuals needing access to PI be required to undergo a background check, pursuant to the process and requirements noted in § 3.2 of the Information Security Handbook.
- (3) require Contractors and commercial enterprises to attend training to ensure security awareness regarding Port Authority and PATH information;
- (4) specific guidelines and requirements for the handling of PI to ensure that the storage and protection of PI;
- (5) restrictions on the transfer, shipping, and mailing of PI;
- (6) prohibitions on the publication, posting, modifying, copying, reproducing, republishing, uploading, transmitting, or distributing PI on websites or web pages. This may also include restricting persons, who either have not passed a pre-screening background check, or who have not been granted access to PI, from viewing such information;
- (7) require that PI be destroyed using certain methods, measures or technology pursuant to the requirements set forth in the Handbook;
- (8) require the Contractor to mandate that each of its subcontractors maintain the same levels of security required of the Contractor under any Port Authority or PATH awarded contract.
- (9) prohibit the publication, exchange or dissemination of PI developed from the project or contained in reports, except between Contractors and subcontractors, without prior approval of the Port Authority;
- (10) require that PI only be reproduced or copied pursuant to the requirements set forth in the Handbook.

- 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 may be 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. Confidential information shall also mean and include collectively, as per *The Port Authority of New York & New Jersey Information Security Handbook (October 15, 2008, corrected as of November 14, 2013)*, Protected 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 confidential 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 their functions unsatisfactorily, they shall be replaced by the Contractor within twenty-four (24) hours following the Contractor's receipt of the Superintendent/Manager's request for such replacement.

All Contractor's employees performing Work hereunder shall have the ability to communicate in the English language to the extent necessary to comprehend directions given by either the Contractor's supervisory staff or by the Superintendent/Manager's staff. Any employee operating a motor vehicle must have a valid driver's license.

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. Disadvantaged Business Enterprise Program (DBE)

A. POLICY

It is the policy of The Port Authority of New York and New Jersey (the "Port Authority" or the "Authority") and its related entities, including Port Authority Trans-Hudson Corporation ("PATH") that Disadvantaged Business Enterprises ("DBEs") are provided the opportunity to participate in the performance of this Contract. Each proposer shall take all necessary and reasonable steps to ensure that its proposal includes DBE participation and performance of work on this Contract, when awarded. This Contract is subject to the United States Department of Transportation ("USDOT") regulations on "DBEs" contained in Part 26 of Title 49 of the Code of Federal Regulations.

The Proposer shall not discriminate on the basis of race, color, national origin, creed/religion, sex, age or handicap/disability in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the Contractor or subcontractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the PANYNJ deems appropriate.

B. GOAL

The Port Authority Office of Business Diversity and Civil Rights ("OBDCR") has established a goal for DBE participation on this Contract, which the proposer will be required to show how it will meet, if awarded this Contract. This goal, expressed as a percentage of the total contract price, including change orders issued pursuant to the changes provision of the contract, is:

DBE Participation Goal: 1 %

for firms owned and controlled by socially and economically disadvantaged individuals (as defined in C.5 below) and certified as DBEs by the Authority. Eligible DBE firms are listed on the following Uniform Certification Programs ("UCPs") websites:

New York UCP – <http://www.nysucp.net/>

New Jersey UCP – <http://www.njucp.net/>

In the event the successful proposer's proposed level of DBE participation is less than this prescribed level of DBE participation, to remain eligible for contract award, the successful proposer must satisfy the good faith efforts requirements set forth in paragraph I.3 below

OBDCR is responsible for determining compliance by the proposer with DBE Program requirements established for this solicitation and in this Contract. The proposer shall make all DBE Program submissions required by this solicitation to the Port Authority Procurement Department contact with a copy to OBDCR. Once awarded, the successful proposer (Contractor) will make all DBE Program submissions to OBDCR at the following address and email address:

Contract Number:

Name: Robert K. Foreman

Email: rforeman@panynj.gov

Telephone No.: (201) 395-3939

Address: The Port Authority of NY & NJ
2 Montgomery Street, 2nd Fl.
Jersey City, NJ 07302

C. DEFINITIONS

1. To avoid undue repetition, the following terms, as used in this Agreement, shall be construed as follows: Bidder or Proposer can be used interchangeably and Consultant or Contractor can used interchangeably.

2. Certification means the process by which a business demonstrates to OBDCR or to a New York State Unified Certification Program Certifying Partner ("NYSUCP") or to a New Jersey Unified Certification Certifying Partner ("NJUCP") that it meets the requirements to be a DBE under USDOT regulations set forth in 49 C.F.R. Part 26.

3. Disadvantaged Business Enterprise or DBE is a for-profit small business concern (a) that is at least 51% owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which at least 51% of the stock is owned by one or more such individuals; and (b) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.

4. New York State Unified Certification Program Certifying Partners include the Port Authority of New York & New Jersey, Metropolitan Transportation Authority, the Niagara Frontier Transportation Authority and the New York State Department of Transportation.

5. New Jersey Unified Certification Program Certifying Partners include the Port Authority of New York & New Jersey, New Jersey Transit and the New Jersey State Department of Transportation.

6. Socially and economically disadvantaged individual means any individual who is a citizen (or lawfully admitted permanent resident) of the United States and who is:

a. Any individual OBDCR or a NYSUCP or NJUCP Certifying Partner finds to be a socially and economically disadvantaged individual on a case-by-case basis.

b. Any individual in the following groups, members of which are rebuttably presumed to be socially and economically disadvantaged:

1. Black Americans which includes persons having origins in any of the Black racial groups of Africa;

2. Hispanic Americans which includes persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South America or other Spanish or Portuguese culture or origin, regardless of race;

3. Native Americans which includes persons who are American Indians, Eskimos, Aleuts or Native Hawaiians;

4. Asian-Pacific Americans which includes persons whose origins are from Japan, China, Taiwan, Korea, Burma (Myanmar), Vietnam, Laos, Cambodia (Kampuchea), Thailand, Malaysia, Indonesia, the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands (Republic of Palau), the Commonwealth of the Northern Marianas Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia, or Hong Kong;

5. Subcontinent Asian Americans which includes persons whose origins are from India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka;

6. Women; and

7. Any additional groups whose members are designated as socially and economically disadvantaged by the Small Business Administration ("SBA"), at such time as the SBA designation becomes effective.

D. THE DBE PROGRAM

The Port Authority has established a Disadvantaged Business Enterprise (DBE) program in accordance with applicable United States Department of Transportation (USDOT) regulations in 49 CFR Part 26. The Port Authority receives Federal financial assistance from the Department of Transportation, and as a condition of receiving this assistance, the Port Authority has signed an assurance that it will comply with these regulations. It is the policy of the Port Authority to ensure that DBEs, as defined in 49 CFR Part 26, have an equal opportunity to receive and participate in USDOT-assisted contracts. It is also Port Authority policy:

1. To ensure nondiscrimination in the award and administration of USDOT-assisted contracts;
2. To create a level playing field on which DBEs can compete fairly for USDOT-assisted contracts;
3. To ensure that the DBE program is narrowly tailored in accordance with 49 CFR Part 26;
4. To ensure that only firms that fully meet regulatory eligibility standards as outlined in 49 CFR Part 26 are permitted to participate as DBEs;
5. To help remove barriers to the participation of DBEs in USDOT-assisted contracts; and,
6. To assist the development of firms that can compete successfully in the market place outside the DBE program.

The Director of OBDCR has been delegated as the DBE Liaison Officer. In that capacity, the Director of OBDCR is responsible for implementing all aspects of the DBE program. Implementation of the DBE program is accorded the same priority as compliance with all other legal obligations incurred by the Port Authority in its financial assistance agreements with the USDOT.

The Port Authority has disseminated this policy statement to the Board of Commissioners and all the components of our organization. We have disseminated this statement to DBE and non-DBE business communities that perform work for us on USDOT-assisted contracts through posting on the OBDCR website: <http://www.panynj.gov/business-opportunities/supplierdiversity.html>

E. DBE OBLIGATION

The proposer agrees to take all necessary and reasonable steps to ensure that DBEs have the opportunity to compete for and perform work under this Contract, if awarded. (Note: If the total contract price is increased as a result of change orders, the Contractor shall make a good faith effort to achieve a commensurate increase in DBE participation). Submission of the proposal constitutes a certification and representation by the proposer that good faith efforts will be made to satisfy the DBE goal requirement in paragraph B during contract performance.

Furthermore, the Proposer will ensure that the following clause is placed in every contract or subcontract resulting from this Contract:

“The Contractor or subcontractor shall not discriminate on the basis of race, color, national origin, creed/religion, sex, age or handicap/disability, in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the Contractor or subcontractor to carry out these requirements is a material breach of

this contract, which may result in the termination of this contract or such other remedy as the PANYNJ deems appropriate.”

F. SUBMISSION OF DBE UTILIZATION PLAN

By submitting a bid or proposal for this Contract, the proposer assures the Authority that it will meet the foregoing goal and shall submit the DBE Goals Statement form (Appendix A1) with its Proposal. If the proposer determines it cannot make this assurance, it may nevertheless submit a bid or proposal, but in such event, it shall note on the DBE Goals Statement form the percentage of DBE participation it anticipates, including documentation supporting the good faith efforts made to achieve the goals set forth in the Contract.

The proposer shall submit, with its Proposal, the DBE Participation Plan and Affirmation Statement (Appendix A2) for each DBE firm it intends to use on this Contract. The DBE Participation Plan and Affirmation Statement shall provide the name and address of each DBE firm, a description of the work to be performed, the dollar value of each DBE subcontract and the signature affirmation from each DBE firm participating in this Contract.

The bidder shall submit with its Proposal the completed Information on Solicited Firms form (Appendix A3), listing every firm that provided a quotation to the bidder for any subcontract to be performed under this Contract, whether the firms are DBE certified and whether the firms’ quotes were included in the final Proposal.

Bidders who are utilizing trucking firms to meet their DBE goal are directed to complete the "Pre-Award DBE Trucking Commitment Form" (Appendix A4) and submit the form with their Proposals for each DBE used on this Contract.

Bidders who are utilizing materials suppliers to meet their DBE goal are directed to complete the "DBE Regular Dealer Verification Form" (Appendix A5) and submit the form with their Proposals for each DBE used on this Contract.

1. By listing a firm on its DBE Participation Plan and Affirmation Statement (Appendix A2) the proposer is representing the following:

a. It intends to use the firm for the work specified in the DBE Participation Plan and Affirmation Statement (Appendix A2) to perform the work specified.

b. The firm is a certified DBE in the states of either New York or New Jersey and is technically and financially qualified to perform the work specified and that the firm is available to perform the work.

c. If it is awarded the contract, it will enter into a subcontract with such DBE (or an approved substitute), subject to the terms and conditions of this contract, for the work described and at the price set forth in the DBE Participation Plan and Affirmation Statement (Appendix A2).

d. It will not substitute a DBE firm listed in its DBE Participation Plan and Affirmation Statement (Appendix A2) unless the Port Authority provides prior written approval in accordance with Paragraph J, below.

G. PROMPT PAYMENT AND RETAINAGE PROVISION

The Contractor agrees to pay each subcontractor under this prime contract for the satisfactory performance of its contract, no later than ten (10) days from the receipt of each payment the Contractor receives from the Authority. The Contractor agrees further to return all retainage, if any, owed to a subcontractor within ten (10) days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time-frame may occur only for good cause following written approval from the Port Authority. This clause applies to both DBE and non-DBE subcontractors. Failure to comply with this section may constitute a breach of contract, entitling the Port Authority to remedies provided herein, in addition to any other available remedy.

H. CREDIT TOWARD DBE GOAL

No credit toward meeting the DBE goal will be allowed unless OBDCR or a NYSUCP or NJUCP Certifying Partner has certified the DBE firm as eligible. Only the value of the work actually performed by the DBE will be counted toward the DBE goal. The DBE shall verify payments on the DBE Payment Request Certification Form attached to all invoices. The Authority will use the following guidelines to determine the amount to be counted toward the DBE goal:

1. OBDCR will credit the entire amount of fees or commissions charged by a DBE firm 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 a USDOT-assisted contract, toward DBE goals, provided OBDCR determines the fee to be reasonable and not excessive as compared with fees customarily allowed for similar services.
2. When a DBE subcontracts part of the work of its contract to another firm, the value of the subcontracted work may be counted toward DBE goals only if the DBE's subcontractor is itself a certified DBE. Work that a DBE subcontracts to a non-DBE firm does not count toward DBE goals.
3. When a DBE performs as a participant in a joint venture, OBDCR will count a portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work of the contract that the DBE performs with its own forces toward DBE goals.

4. OBDCR will credit expenditures to a DBE subcontractor toward DBE goals, only if the DBE is performing a commercially useful function on the contract.

5. Commercially Useful Function

A. A DBE 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 DBE represents standard industry practice, if the arrangement erodes the ownership, control or independence of the DBE or in any other way does not meet the commercially useful function requirement, that firm shall not be included in determining whether the DBE goal is met and shall not be included in DBE reports. If this occurs with respect to a firm identified as a DBE, the Contractor shall receive no credit toward the DBE goal and may be required to backfill the participation. A DBE 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 DBE participation. A DBE may rebut a determination by the Authority that the DBE is not performing a commercially useful function to the United States Department of Transportation (USDOT) funding agency (for example, FAA, FTA or FHWA).

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

C. Supervision. All Work performed by the DBE must be controlled and supervised by the DBE without duplication of supervisory personnel from the Contractor, their affiliates and other subcontractors performing Work on the Contract. This does not preclude routine communication between the supervisory personnel of the DBE and other supervisors necessary to coordinate the Work.

D. Equipment. DBE subcontractors may supplement their equipment by renting or leasing additional equipment in accordance with customary industry practice. If the DBE obtains equipment from the Contractor, other contractors or their affiliates, the DBE 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.

E. If a DBE does not perform or exercise responsibility for at least 30 percent of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved, OBDCR will presume that it is not performing a commercially useful function.

6. Counting DBE Participation

When a certified DBE firm is awarded the Contract, the DBE goals shall be deemed to have been met.

The value of the Work performed by a DBE, including that of a DBE prime contractor, with its own equipment, with its own forces, and under its own supervision, will be counted toward the DBE goal,

provided the utilization is a commercially useful function. Work performed by DBEs will be counted as set forth below. If the Authority determines that some or all of the DBE's 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 DBE goal.

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

B. Manufacturers/Fabricators. 100 percent of the expenditure to a DBE manufacturer or fabricator will be counted towards the DBE goal.

C. Material Suppliers. 60 percent of the expenditure to a DBE material supplier will be counted toward the DBE 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. 100 percent 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 a DBE broker/manufacturer's representative will be counted toward the DBE 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. 100 percent of fees or commissions charged by a DBE 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 DBE goal, provided the fee is reasonable and not excessive as compared with fees customarily allowed for similar services.

F. Trucking Operations. The DBE trucking firm of record is the firm that is listed on the DBE Participation Plan. The DBE 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 on a particular contract, and there cannot be a contrived arrangement for the purpose of meeting the DBE goal. The DBE trucking firm of record shall control the day-to-day DBE 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. DBE Owned/Leased Trucks. 100% of the value of the trucking operations the DBE provides for the performance of the work using trucks it owns and trucks that are registered, insured and operated by the DBE using drivers it employs, will be counted toward the DBE goal.

2. DBE Leased Trucks. The DBE may lease trucks from another DBE, including an owner/operator who is certified as a DBE. 100% of the value of the trucking operations that the lessee DBE provides will be counted toward the DBE goal.

3. Non-DBE Trucks. The DBE may lease trucks from non-DBE firms and owner-operators. The value of these trucking services will be counted toward the DBE goal up to the value of services performed by the DBE trucks used on the Contract. DBE participation can be counted for the value of the services of non-DBE trucks that exceed the value of the services performed by DBE trucks only in the amount of the fee or commission a DBE receives as a result of the lease agreement.

G. Joint Venture. Joint ventures between DBEs and non-DBEs will be counted toward the DBE 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 DBE performs with its own forces. The joint venture agreement is subject to

approval by OBDCR, a copy of which is to be furnished by the firm to be awarded the Contract before execution of the Contract.

7. If a firm is not currently certified as a DBE in accordance with 49 CFR Part 26 at the time of the execution of the Contract, OBDCR will not credit the firm's participation toward any DBE goals, except as provided for in 49 CFR Section 26.87(i).

8. When a firm loses its DBE certification, OBDCR will follow the applicable regulations in 49 CFR Section 26.87(j).

a. If a contract or subcontract has not been executed with the firm prior to notification of its ineligibility, any participation by the ineligible firm will not be counted toward the contract or overall goal. OBDCR will direct the Contractor to meet the contract goal with an eligible DBE firm or demonstrate good faith efforts to do so.

b. If a contract or subcontract has been executed with the firm prior to notification of its ineligibility, the Contractor may continue to receive credit toward its DBE goal for the firm's work.

9. OBDCR will not credit toward the DBE goal the participation of a DBE subcontractor until the amount being counted toward the goal has actually been paid to the DBE, as evidenced by submission of the Statement of Payments to DBE Subcontractors / Lessors / Suppliers and the DBE Payment Request Certification Form.

I. CONTRACT AWARD

1. Only proposers who submit proposals that meet the DBE goal or who demonstrate good faith efforts to meet the DBE goal, as herein provided will be eligible for award of the Contract.

2. If the successful proposer does not reach the DBE goal, the proposer shall nevertheless remain eligible for award of the contract if it can demonstrate to the satisfaction of OBDCR that it has made a good faith effort to meet the DBE goal. In making such a determination, OBDCR shall consider, among other things, the criteria set out in subparagraph 3 below.

3. Demonstration of Good Faith Efforts

To demonstrate a good faith effort to meet the DBE contract goal, a proposer shall submit with the DBE Goals Statement form (Appendix A1) a list of the steps it has taken to obtain DBE participation, together with documentation supporting those steps. Such efforts may be demonstrated by showing the following:

a. That the proposer attended any pre-solicitation or pre-bid meetings that were scheduled by the Port Authority to inform DBEs of contracting and subcontracting opportunities;

- b. That the proposer advertised in general circulation, trade association, and minority-focus media, at least 15 days before proposal due date, to request DBE subcontract performance on the specific project;
 - c. That the proposer provided written notice to a reasonable number of specific DBEs that their interest in the contract was being solicited, in sufficient time to allow the DBEs to participate effectively;
 - d. That the proposer followed up initial solicitations of interest by contacting DBEs to determine with certainty whether the DBEs were interested in participating in the project;
 - e. That the proposer selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the DBE goal (including where appropriate, breaking down contracts into economically feasible units to facilitate DBE participation);
 - f. That the proposer provided interested DBEs with adequate information about the plans, specifications and requirements of the contract;
 - g. That the proposer negotiated in good faith with interested DBEs, not rejecting DBEs as unqualified without sound reasons based on a thorough investigation of their capabilities. Documented efforts of negotiations with DBEs must include at a minimum:
 - 1. The names, addresses and telephone numbers of DBEs that were considered;
 - 2. A description of the information provided to DBEs regarding the plans and specifications for portions of the work to be performed;
 - 3. A statement explaining why agreements with the DBEs could not be reached.
 - h. That the proposer made efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance required by the Port Authority or Consultant;
 - i. That the proposer made efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services; and
 - j. That the proposer effectively used the services of available minority/women community organizations; minority/women contractor's groups; local, state and federal minority/women business assistance offices; and other organizations that provide assistance in the recruitment and placement of DBEs.
4. Reconsideration of Good Faith Efforts Determination

In determining whether a proposer has demonstrated good faith efforts, the Port Authority will look at all efforts that the proposer has made. If OBDCR determines that the successful proposer has failed to make good faith efforts to meet the DBE goal, that firm's submission may be deemed non-responsive. The non-responsive firm will have an opportunity for administrative reconsideration, in accordance with the Port Authority's Protest Procedures. In accordance with the Protest Procedures, as part of this reconsideration, the proposer will have the opportunity to provide written documentation or argument concerning the issue of whether it met the goal or made adequate good faith efforts to do so. In accordance with the Protest Procedures, a written decision will be sent to the proposer explaining the basis for finding that the proposer did or did not meet the goal or make adequate good faith efforts to do so.

J. DBE MODIFICATIONS

In the event that a proposer wishes to modify its DBE Participation Plan and Affirmation Statement (Appendix A2) after its submission or after a contract is awarded, then the proposer must request approval for the modification from OBDCR in writing. A proposer may not, without OBDCR's prior consent, terminate a DBE subcontractor approved under this contract and then perform the work of the contract with its own forces or those of an affiliate. A modification includes any change to items of work, material, services, subcontract value or DBE firms, which differ from those identified on the approved DBE Participation Plan and Affirmation Statement (Appendix A2). When a DBE subcontractor is terminated or fails to complete its work for any reason, the Contractor must make good faith efforts to find another DBE subcontractor to substitute for the original DBE. These good faith efforts must be directed at finding other DBEs to perform at least the same amount of work under the contract as the former DBE to the extent needed to meet the contract goal. The Contractor must provide OBDCR with any and all documents and information as may be requested with respect to the modification. If OBDCR determines that the Contractor failed to make good faith efforts, the Port Authority may consider such failure a breach of contract, entitling the Port Authority to remedies provided herein, in addition to any and all other available remedies.

K. EEO/NON-DISCRIMINATION

During the performance of this Contract, the 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, including 49 CFR Part 26.

L. OFFICE OF THE INSPECTOR GENERAL

The Port Authority Office of Inspector General (OIG) is responsible for investigating fraud and misconduct by Port Authority contractors, subcontractors, consultants, suppliers and others, including the DBE Program.

Depending upon the dollar value of the construction project, and regulatory requirements, the OIG might engage the services of an Integrity Monitor who reports to the OIG and assists in monitoring compliance governing the DBE program.

The OIG and its Integrity Monitors may perform on-site investigations and payment verifications, review relevant consultant, contractor, subcontractor and supplier documents, including but not limited to financial records, certificates and licenses, certified payroll reports, and employee sign-in sheets. They may also interview officers and employees of these firms either on-site, at their offices, or at any other location the OIG determines is in the best interest of the Port Authority.

All consultants, contractors, subcontractors, suppliers and others who are participating in the DBE Program in any manner, shall cooperate fully with the Port Authority OIG and shall provide all requested documents immediately upon request. The failure to cooperate may be considered a breach of contract, entitling the Port Authority to remedies provided herein, in addition to any other available remedy.

PART III CONTRACTOR'S INTEGRITY PROVISIONS

1. Certification of No Investigation (criminal or civil anti-trust), Indictment, Conviction, Debarment, Suspension, Disqualification and Disclosure of Other Information

By bidding on this Contract, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, that the Bidder and each parent and/or affiliate of the Bidder has not

- a. been indicted or convicted in any jurisdiction;
- b. been suspended, debarred, found not responsible or otherwise disqualified from entering into any contract with any governmental agency or been denied a government contract for failure to meet standards related to the integrity of the Bidder;
- c. had a contract terminated by any governmental agency for breach of contract or for any cause based in whole or in part on an indictment or conviction;
- d. ever used a name, trade name or abbreviated name, or an Employer Identification Number different from those inserted in the Bid;
- e. had any business or professional license suspended or revoked or, within the five years prior to bid opening, had any sanction imposed in excess of 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;
- f. had any sanction imposed as a result of a judicial or administrative proceeding related to fraud, extortion, bribery, bid rigging, embezzlement, misrepresentation or anti-trust regardless of the dollar amount of the sanctions or the date of their imposition; and
- g. been, and is not currently, the subject of a criminal investigation by any federal, state or local prosecuting or investigative agency and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency, 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 any offers or agreements or taken any other action with respect to any Authority employee or former employee or immediate family member of either which would constitute a breach of ethical standards under the Code of Ethics dated March 11, 2014, or as may be revised, (a copy of which is available upon request) nor does this organization have any knowledge of any act on the part of an Authority employee or former Authority employee relating either directly or indirectly to this organization which constitutes a breach of the ethical standards set forth in said Code;
- e. no person or selling agency other than a bona fide employee or bona fide established commercial or selling agency maintained by the Bidder for the purpose of securing business, has been employed or retained by the Bidder to solicit or secure this Contract on the understanding that a commission, percentage, brokerage, contingent, or other fee would be paid to such person or selling agency; and
- f. the Bidder has not offered, promised or given, demanded or accepted, any undue advantage, directly or indirectly, to or from a public official or employee, political candidate, party or party official, or any private sector employee (including a person who directs or works for a private sector enterprise in any capacity), in order to obtain, retain, or direct business or to secure any other improper advantage in connection with this Contract.
- 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 Chief Procurement Officer of the Procurement Department of the Authority). Such disclosure is to be updated, as necessary, up to the time of award of this Contract. 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., a spouse, child, parent, brother or sister) of any of the foregoing, in connection with the performance by such employee, agent, job shopper, consultant, construction manager or other person or firm representing the Port Authority 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.

As used herein "anything of value" shall include but not be limited to any (a) favors, such as meals, entertainment, transportation (other than that contemplated by the Contract or any other Port Authority contract), etc. which might tend to obligate the Port Authority employee to the Contractor, and (b) gift, gratuity, money, goods, equipment, services, lodging, discounts not available to the general public, offers or promises of employment, loans or the cancellation thereof, preferential treatment or business opportunity. Such term shall not include compensation contemplated by this Contract or any other Port Authority contract. Where used herein, the term "Port Authority" shall be deemed to include all subsidiaries of the Port Authority.

The Contractor shall insure that no gratuities of any kind or nature whatsoever shall be solicited or accepted by it and by its personnel for any reason whatsoever from the passengers, tenants, customers or other persons using the Facility and shall so instruct its personnel.

In the event that the Contractor becomes aware of the occurrence of any conduct that is prohibited by this section entitled "No Gifts, Gratuities, Offers of Employment, Etc.", it shall report such occurrence 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>" for information about to report information to the Office of Inspector General). Failing to report such conduct shall be grounds for a finding of non-responsibility.

In addition, during the term of this Contract, the Contractor shall not make an offer of employment or use confidential information in a manner proscribed by the Code of Ethics and Financial Disclosure dated March 11, 2014, or as may be revised (a copy of which is available upon request to the Office of the Secretary of the Port Authority).

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

6. 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.

7. Definitions

As used in this section, the following terms shall mean:

Affiliate - Two or more firms are affiliates if a parent owns more than fifty percent of the voting stock of each of the firms, or a common shareholder or group of shareholders owns more than fifty percent of the voting stock of each of the firms, or if the firms have a common proprietor or general partner.

Agency or Governmental Agency - Any federal, state, city or other local agency, including departments, offices, public authorities and corporations, boards of education and higher education, public development corporations, local development corporations and others.

Investigation - Any inquiries made by any federal, state or local criminal prosecuting 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.

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;

Bidding - shall mean executing this Contract.