



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
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October 27, 2011

Contract No. T200751201.01
Federal Aid Project No. HPP-2005(028)
NORTHEAST CORRIDOR IMPROVEMENTS, YARD TO RAGAN - CIVIL, STRU
New Castle County

Ladies and Gentlemen:

Enclosed is Addendum No. 3 for the referenced contract consisting of the following:

NOTE: The date for the receipt of bids has been moved to Thursday, November 3, 2011.

1. One (1) page, Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
2. Four (4) pages, Table of Contents, revised, to be substituted for the same pages in the Proposal.
3. Four (4) pages, Special Provisions, 202532 - Removal of Contaminated Materials and 202536 - Site Safety Plan, pages 63 through 66 , DELETED, to be removed form the Proposal.
4. Three (3) pages, Special Provisions, 202560 - Contaminated Material, pages 66A through 66C, new, to be added for the same pages in the Proposal.
5. Five (5) pages, Special Provisions, 605728 - Superstructure, pages 155 through 159, revised, to be substituted for the same pages in the Proposal.
6. Two (2) pages, Special Provisions, 763636 - Railroad Time Delay - Heavy Operation, pages 232 through 232A, revised, to be substituted for the same pages in the Proposal.
7. Two (2) pages, Special Provisions, 763680 - Railroad Time Delay - Medium Operation and 763681 - Railroad Time Delay - Light Operation , pages 232 through 232A, new, to be added to the Proposal.
8. Ten (10) pages, Bid Proposal Forms, pages 1 through 10, revised, to be substituted for the same pages in the Proposal.

9. For proposal holders with the electronic bid option only, Amendment Disk No. 1.

Please note the revisions listed above and submit your bid based upon this information.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott S. Gottfried". The signature is written in a cursive style with a large initial "S" and a distinct "Gottfried" at the end.

Scott S. Gottfried
Competitively Bid Contracts Coordinator
:ssg
Enclosures

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T200751201.01

**NORTHEAST CORRIDOR IMPROVEMENTS,
YARD TO RAGAN - CIVIL, STRUCTURE**

WILMINGTON TO NEWARK COMMUTER RAIL IMPROVEMENTS

Advertisement date: August 18, 2011

FTA No. DE-03-0016, DE-05- 0014, FHWA No. HPP-2005(028)
CFDA NO. 20.500

Prospective Bidders Are Advised That There Will Be a **Mandatory Pre-bid Meeting** and Site Visit for this Contract on August 31, 2011 at 10:30 A.m. in the Delaware Transit Corporation, Beech Street Offices, 119 Lower Beech Street, Suite 100, Wilmington, De 19805.

Included in the Pre-bid Meeting Will Be a Civil Right Component Intended to Assist Planholders in Identifying and Engaging Certified DBE Firms to Meet the Established DBE Goal of 14%.

Everyone Attending the Site Visit Will Need to Bring Their Own Safety Glasses, Work Boots, and an Orange Reflective Vest. We Do Not Supply Safety Gear. Photographs Will Be Allowed. Amtrak Will Supply RWP Protection During the Visit.

Completion Date 391 Working Days (available days)

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
DELAWARE DEPARTMENT OF TRANSPORTATION
AUGUST 2001

Bids will be received in the Bidder's Room, Transportation Administration Center, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time **Thursday, November 3, 2011**

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202560 - CONTAMINATED MATERIAL

Description:

Contaminated Material is defined as solids or liquids (including soil) potentially contaminated with a hazardous substance, requiring special handling and/or disposal per state or federal regulation.

This work describes the excavation, removal and treatment/disposal of contaminated materials resulting from project construction including utility and other types of excavation activities in accordance with the locations and notes on the Plans, and as directed by the Engineer or the Department's environmental representative. The Contractor will be notified of the Department's environmental representative at the pre-construction meeting.

Overview of Costs:

Potential contaminated solids may affect contractor's costs as follows;

Additional cost to normal excavation requirements:

- Cost of 8 mil plastic for placement under and over solid contaminated material,
- Maintaining the segregated contaminated solids staging area.

Reduced cost to normal excavation requirements:

- Not required to, or charged for, transport of contaminated material from site.
- Not required to, or charged for, disposal of contaminated soil.

Potential contaminated liquids will affect contractor's cost as follows;

Additional cost to normal excavation requirements:

-None

Reduced cost to normal excavation requirements:

-None

Construction Methods and Responsibilities:

Contractor's Responsibilities for potential contaminated solids:

The Contractor shall be responsible for providing the appropriate equipment and personnel necessary to excavate, stage, and load contaminated material for off-site disposal, as identified from previous site environmental investigations or identified during construction activities. The work will be performed in accordance with the procedures described in the site specific "Contaminated Material and Water Removal Work Plan" prepared by the Department's environmental representative. A copy of this plan is provided in the bid package at advertisement. The Contractor shall adhere to applicable Occupational Safety and Health standards, Guidelines and/or Laws. This will include compliance with 29 CFR Part 1910.

After award of the Contract, the Contractor shall immediately be responsible for notifying the Department's HAZMAT Coordinator's office (760-2108) for scheduling coordination with the environmental representative. The contractor shall submit a proposed schedule of work to the Department for review and approval prior to any commencement of work on this site. The Contractor is required to perform to a high standard of workmanship to assure protection of workers, local water supplies, and the environment. The Contractor shall coordinate with the utility companies prior to excavation. The Department's environmental representative shall be present during all phases of work associated with the excavation and removal of potentially contaminated material. Payment will not be made for any work done when a Department approved Inspector or environmental representative is not present to provide environmental oversight.

Specific tasks to be performed by the Contractor will include excavating soil per the project specifications. The Contractor will segregate "contaminated" soil as designated by the Department or their environmental representative, from "clean" soil and place the "contaminated" soil in a designated on-site staging area constructed by the Contractor. At a minimum the staging area needs to be lined with 8-mil plastic and a berm constructed to minimize storm water run-off. The "contaminated" soil will need to be covered by the Contractor at the end of each work day. The Contractor will be responsible for loading contaminated soil onto trucks arranged by the Department's environmental representative on the days the contaminated soil is shipped off-site to a licensed disposal/treatment facility. The Contractor will backfill and compact the excavated area(s) according to the project specifications and payment will be made under that item of the Contract.

Department's Responsibilities:

The Department is responsible for providing and paying; the environmental representative; the transportation of contaminated material for disposal; and the disposal of contaminated material.

The Department's environmental representative shall be responsible for developing and submitting a "Contaminated Material and Water Removal Work Plan". ~~to the Department so it is included in the project specifications prior to going out for bid.~~ The Work Plan will be provided to the Contractor at the pre-construction meeting. The work plan will identify; the procedures to be used to excavate and stage the contaminated material; the licensed treatment/disposal facility where the Department will ship the contaminated material; the method the material will be transported to the treatment/disposal facility; and any additional health and safety requirements for site personnel.

The Department's environmental representative will conduct a health and safety briefing prior to commencement of activities on the sites to insure an understanding of all applicable standards, guidelines, laws, procedures, etc. consistent with the successful completion of this type of activity. The Department's environmental representative will conduct air monitoring during any excavation activities at the site to identify and mitigate fire, explosion and vapor hazards.

The Department's environmental representative shall coordinate the excavation activities with all applicable local, state, and federal environmental regulatory agencies. The Department's environmental representative will also oversee the excavation, removal and treatment/disposal of the material in the designated area(s) and perform such tests as field screening for soil contamination utilizing vapor monitoring techniques and collect soil samples for laboratory analysis to meet the requirements of the treatment/disposal facility, DNREC and/or the USEPA. The Department's environmental representative's personnel will subcontract with the disposal/treatment facility to provide transportation and disposal/treatment of all contaminated materials to be removed as part of the project. The Department's environmental representative is responsible for measuring the quantity of contaminated material removed, via certified scale weights, for the Department's records.

Method of Measurement:

The quantity of contaminated material will not be measured. It will be included in the excavation quantity.

Basis of Payment:

No additional payment will be made for the handling of contaminated material included in the excavation quantities. Contractor's costs for handling contaminated material as described herein are to be

included in the standard excavation pay items included in this contract, and will constitute full compensation for excavation, constructing and maintaining the segregated soil staging area, placement of the contaminated soil in the staging area, providing plastic and daily covering of the segregated soil staging area, and loading of contaminated soil for removal by the Department.

This item is a contingency item and the Department reserves the right to delete from the Contract. The Contractor shall make no claims for additional compensation because of deletion of the item.

9/16/11

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605728 - SUPERSTRUCTURE

Description:

The work under this section shall consist of ~~superstructure removal, structural steel shipping/delivery to and from fabrication shop,~~ structural steel rehabilitation, structural steel and concrete disposal, cleaning and painting of structural steel, new structural steel cross-frames, lateral bracing and plates, new bearings ~~and erecting structural steel~~ as detailed in the Contract Documents.

The fabrication shop may be a temporary facility erected by the Contractor. Except where shown on the plans, no buildings, vehicles, or materials may be stored on Amtrak property within written approval from Amtrak.

The Contractor shall note that lead may be released during the dismantling, removal, or handling of the existing bridge.

A temporary protective shield shall be utilized to prevent materials from falling into Little Mill Creek.

Qualifications:

The Contractor shall be experienced in performing the Work of this Section with documented experience in similar types of deconstruction/construction work. Referenced work must have been completed within the past five (5) years.

Provide a Supervisor who shall be present at all times during the work and who shall be thoroughly familiar with the work required and who shall direct all work.

Existing Site Conditions:

1. The Contractor shall accept the site as it exists and will be responsible for all work as required.
2. The Contractor shall note the proximity of the overhead high voltage wires, catenary lines, and active tracks.
3. The Contractor shall coordinate with AMTRAK to visit the site at no additional cost to the Engineer or AMTRAK to ascertain existing site conditions and surrounding features related to the proposed work, and ensure that conditions are suitable for proper execution of the work.
4. Where non-visible (ie. Concealed by other materials) conditions upon exposure, are revealed to be other than those indicated in the Contract Documents, the Contractor shall immediately inform the Engineer and AMTRAK, in writing. The Contractor shall not continue this aspect of work until directed in writing by the Engineer.

Submittals:

Prior to the start of work, the Contractor shall provide the Engineer with the following, for approval, regarding superstructure work. This approval; however, will not release the Contractor from the obligation to observe extreme safety precautions used in normal high-risk work.

1. Destination and quantities of materials to be salvaged and rehabilitated for reuse, recycled or sent for disposal.
2. Method and sequencing of superstructure removal and construction, including a list of equipment to

- be used.
3. Schedule for superstructure removal and construction.
 4. Details on materials handling and removal procedures. Materials to be salvaged for reuse shall be stored and handled in the same manner as for similar new materials.
 5. Details and documentation on the removal, containment and disposal of the existing paint system as specified in 605533 "Cleaning Existing Steel Structures - Hazardous Base".

Construction Procedures:

1. General:
Construction work and operations by the Contractor on AMTRAK property shall be:
 1. Subject to the inspection and approval of the Engineer and AMTRAK.
 2. In accordance with AMTRAK's written outline of specific conditions.
 3. In accordance with AMTRAK's general rules, regulations and requirements including those relating to safety, fall protection and personal protective equipment.
2. Demolition, Erection and Hoisting:

Railroad tracks and other railroad property must be protected from damage during all construction procedures.

The Contractor is required to submit a plan showing the location of cranes, horizontally and vertically, operating radii, with delivery or disposal locations shown. The location of all tracks and other railroad facilities as well as all obstructions such as wire lines, poles, adjacent structures, etc. must also be shown.

Crane rating sheets showing cranes to be adequate for 150% of the actual weight of the pick. A complete set of crane charts, including crane, counterweight, and boom nomenclature is to be submitted.

Plans and computations showing the weight of the pick must be submitted. Calculations shall be made from plans of the existing and/or proposed structure showing complete and sufficient details with supporting data for the demolition or erection of the structure. If required, lifting weights must be calculated from field measurements. The field measurements are to be made under the supervision of the Registered Professional Engineer submitting the procedure and calculations.

A data sheet must be submitted listing the types, size and arrangements of all rigging and connection equipment.

A complete procedure is to be submitted, including the order of lifts, time required for each lift, and any repositioning or re-hitching of the crane or cranes.

All erection and demolition plans, procedure, data sheets, etc. submitted must be prepared, signed and sealed by a Registered Professional Engineer in the State of Delaware.

AMTRAK's representative must be present at the site during the entire demolition and erection procedure period.

All procedures, plans and calculations shall first be approved by the Engineer and AMTRAK, but such approval does not relieve the Contractor from liability.

Maintenance of Channel Flow:

Maintenance of Channel Flow for superstructure removal and construction work shall be designed by the Contractor and approved by the Engineer prior to the start of any work.

Protection:

The Contractor shall assume full responsibility for the design and adequacy of any temporary shoring and/or bracing required during the superstructure removal or construction. Including all necessary signs, barricades, shields and screens as required for the safety of the structure, adjacent structures, equipment, machinery and workers. All designs by the Contractor shall be designed by a Professional Engineer registered in the State of Delaware. Working drawings, including calculations, for the protective shields, support of excavation shall be submitted to the Engineer for review and approval.

Protective Shields:

The Contractor shall furnish, install and remove all materials required for a temporary protective shield as described herein, and/or as directed by the Engineer.

While all superstructure concrete and structural steel is being removed from the existing bridge, the Contractor shall furnish and erect temporary protective shields under the work area and five feet minimum beyond the outside faces of the bridge superstructure.

The Protective Shields shall meet the following:

1. The shields shall be supplemented with such additional suitable enclosures of tarpaulins or wire mesh as may be necessary in order to insure against the dropping of materials, tools, equipment, and other objects below the level of the shields.
2. Broken concrete and other debris shall not be allowed to accumulate on the shields, but shall be removed promptly. The shields shall not be used for storing or stockpiling construction materials.
3. Timber shall have an allowable flexure stress of 1,600 psi and the shield must be designed for 150 lb/sq. ft. live load, in addition to their own dead load, and 60 mph wind load.
4. All plywood shall be new and shall be not less than 3/4-inch thick.
5. Bolts, nuts, washers, structural steel, etc. shall conform to Section 601 of the Standard Specifications.
6. The shields shall be assembled by means of bolts and nails, all as approved by the Engineer.
7. The flooring and siding of the shield shall have no cracks or openings through which material particles may fall.
8. The Contractor shall submit shop drawings for the shields, including erection plans, to the Engineer for approval, prior to the start of the work.
9. All connections of the protective structures to the steel work of existing bridge shall be made by means of clamps or other approved devices. The drilling of holes in the existing steel work, or welding thereto, will not be permitted.
10. The Contractor is required to submit the design and details of the temporary protective shield sealed by a Professional Engineer registered in the State of Delaware prior to commencing work.
11. After protective shield has served its purpose, and approval has been given by the Engineer, the Contractor shall remove and dispose of the temporary protective shield away from the site to the satisfaction of the Engineer.

Workmanship and Handling of Materials:

The Contractor shall perform all work in a manner that prevents damage to or loss of materials. Where the Contractor causes damage to or loss of materials, the Contractor shall repair or replace these materials to the

acceptance of and at no additional cost to the Engineer or AMTRAK.

Care shall be taken, at all times throughout the duration of the project, to preserve the structural integrity and condition of all steel not scheduled for disposal. All materials scheduled for salvage for reuse shall be handled and stored as specified for new materials.

Extreme care shall be taken during all work due to the close proximity of overhead high voltage wires, catenary lines, active rail and rail traffic.

Demolition:

Demolition shall include, but is not limited to, the removal of the existing bridge walkway brackets, railing, reinforced concrete bridge deck, steel cross frames, steel lateral bracing and bridge bearings. The bridge superstructure shall be demolished and salvaged such that the two existing steel girders are separated from one another in a manner suitable for the girders to be safely removed and transported off site to an approved fabrication facility for rehabilitation. All work shall be as specified in 605626 "Dismantle and Erect Existing Bridge Superstructure".

Removal:

Removal shall mean removing bridge superstructure from the project site, salvaging the materials as specified by the Contract Documents, stockpiling the materials for reuse at the Contractor's storage area, disposing and/or recycling of the remainder of the bridge superstructure materials for disposal and leaving all work areas in a safe working condition. Existing paint system is to be removed in the shop and is the Contractor's responsibility for proper removal, containment and disposal as specified in 605533 "Cleaning Existing Steel Structures - Hazardous Base". Materials not listed for reuse shall be disposed of or recycled in a manner and location acceptable to the Engineer. The Contractor shall provide written acceptance of all materials from the owners of the disposal/recycling site(s) to the Engineer. There shall be no additional cost to the Engineer or AMTRAK for the removal and/or salvage of the bridge superstructure.

Rehabilitation:

Rehabilitation of the existing steel girders shall include, but is not limited to:

1. Removal and disposal of the existing steel cross-frames, lateral bracing members and bridge bearings.
2. Removal of all rivets connecting the existing steel cross-frame and lateral bracing connection plates to the girders, as specified in 605578 "Replacing Steel Rivets with Bolts".
3. Removal of all rivets connecting the existing steel bearing assemblies to the girders, as specified in 605578 "Replacing Steel Rivets with Bolts".
4. All rivets to be removed shall be mechanically extracted in a manner as to protect the base metal of the steel girders.
5. The Contractor shall utilize portions of the existing steel cross frames and connection plates to fabricate test samples for material testing of the existing structural steel. The Contractor shall fabricate a minimum of two (2) test samples for steel weldability tests. The Weldability tests shall be used to verify the weldability of the proposed shear connectors/studs to the existing girders top flange. The Contractor shall fabricate a minimum of three (3) samples for Tension tests to determine the material properties of the existing steel. The samples and testing shall be in accordance with ASTM A 370 "Standard Test Methods and Definitions for Mechanical Testing of Steel Products". The Contractor shall have the materials tested at a testing facility approved, prior to the testing, by the Delaware Department of Transportation. All testing results shall be provided in writing to the Engineer and AMTRAK prior to any cleaning of the structural steel or rehabilitation work.
6. If a rivet hole has been scored or otherwise damaged during rivet removal, the hole shall be reamed

- and the replacement high strength bolt shall be one size larger in nominal diameter than the replaced rivet. All holes and high strength bolts, nuts and washers shall be in accordance with Section 605 of the Standard Specification.
7. Shop cleaning all structural steel that is not scheduled for disposal in accordance with Section 605 "STEEL STRUCTURES" of the Standard Specifications and 605533 "Cleaning Existing Steel Structures - Hazardous Base".
 8. The Contractor shall schedule a structural condition inspection of the cleaned girders, at the fabrication facility. Inspection to be performed by the Engineer and AMTRAK, or the authorized representative of each. The inspection is to quantify any deterioration and/or defects in the structural steel and/or rivets. Following the inspection, the Engineer will provide repair details and direction to the Contractor, as required.
 9. Performing any required structural repairs to the girders as a result of the structural condition inspection. Repairs shall be performed in accordance with the requirements as specified in section 605 "Steel Structures" and 605578 "Replacing Steel Rivets with Bolts".
 10. Painting of the structural steel. Painting to be performed in accordance with 605522 "URETHANE PAINT SYSTEM, EXISTING STEEL". The Contractor shall coordinate the paint system and topcoat Federal Color Number with AMTRAK, and submit the paint system and Federal Color Number to the Engineer for written approval as specified in Section 605 "STEEL STRUCTURES" of the Standard Specifications.

Method of Measurement:

The Superstructure will not be measured, but will be paid for as a Lump Sum item.

Basis of Payment:

Section 605728, Superstructure, shall be paid for at the contract Lump Sum price bid for Superstructure, which price and payment shall constitute full compensation for all labor, materials and equipment as well as bridge deck demolition, removal, protective shields, and all incidentals necessary to complete the item.

9/20/11

763636 – RAILROAD TIME DELAY – HEAVY OPERATION
763680– RAILROAD TIME DELAY – MEDIUM OPERATION
763681 – RAILROAD TIME DELAY – LIGHT OPERATION

Description:

This section covers delays to the Contractor for interruptions of his construction operations due to the failure of Amtrak flagging personnel to be present at agreed times or the cancelling of previously approved track or catenary outages.

DEFINITIONS:

1. Heavy Operation:
 - a. Removal existing Mill Creek bridge girders
 - b. Installation of rehabilitated bridge girders
 - c. Placement of bridge deck concrete

2. Medium Operation:
 - a. Abutment construction activities
 - b. Construction of Mill Creek Wingwalls and Mill Creek Retaining Wall
 - c. Forming for bridge deck concrete
 - d. Scour Protection Construction

3. Light Operation:
 - a. All other operations within 25 feet of active railroad tracks or track overhead wire.

EXCLUSIONS:

1. Operations occurring more than 25 feet from the centerline of active railroad tracks or track overhead wire.

Materials:

None.

Construction Methods:

The Contractor shall assess his requirements for flaggers and catenary or track outages a minimum of 30 calendar days in advance.

Requests for these flaggers or catenary or track outages shall be submitted to Amtrak for review and approval a minimum of 30 calendar days in advance with copies of all correspondence provided to the Engineer. These requests shall indicate the type construction and locations of activities. The Contractor shall note that Amtrak may require longer review periods for approvals. The Contractor shall conform to Amtrak's requirements.

The Contractor shall note that Amtrak requires flaggers whenever construction is 25'-0" or less from the centerline of an active track. All tracks shall be considered active unless Amtrak provides written verification to the contrary. Due to the physical characteristics of the project, all activities within Amtrak's right-of-way will require flaggers.

The Contractor should assume that Amtrak would prefer construction activities to be contiguous and that multiple construction sites within Amtrak right-of-way are subject to Amtrak's approval.

Requests for flaggers or catenary or track outages will not be deemed to be approved until the Contractor receives written approval from Amtrak and provides a copy of this approval to the Engineer.

Should Amtrak fail to provide flaggers at approved times on approved dates or cancel approved catenary or track outages at approved times on approved dates, the Contractor shall immediately notify the Engineer of this Railroad Time Delay.

Method of Measurement:

Railroad Delay Time will be measured on the basis of each hour, or fraction thereof, by operation type and location, up to a maximum of four (4) hours per 24 hour period per operation, as determined by the Engineer, of interruption time from lack of flaggers or curtailment / cancellation of catenary or track outages approved in writing by Amtrak, with copies provided to the Engineer.

Basis of Payment:

Railroad Delay Time will be paid for at the Contract unit price per hour by operation type and location. Price and payment will constitute full compensation for all labor, equipment, tools and incidentals required to complete the work.

Any payments made under these items shall not be construed as justification for change in contract time. The Contractor shall not be entitled to recover any additional damages from the Amtrak delay.

10/12/11

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DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 1
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CONTRACT ID: T200751201.01 PROJECT(S): HPP-2005(028)

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
SECTION 0001 RAIL				
0010	201000 CLEARING AND GRUBBING	LUMP	LUMP	
0020	202000 EXCAVATION AND EMBANKMENT	3300.000 CY		
0030	202502 GRADING AND RESHAPING EXISTING SUBGRADE	14500.000 SY		
0060	202563 DEFORMATION MONITORING POINT	42.000 EACH		
0070	202564 FIELD SURVEY AND DATA REDUCTION FOR DEFORMATION MONITORING POINT	22848.000 EACH		
0080	202565 TILT PLATES	20.000 EACH		
0090	202566 FIELD READING AND DATA REDUCTION FOR TILT PLATES	5480.000 EACH		
0100	202567 CRACK GAUGES	6.000 EACH		
0110	202568 FIELD READING AND PLOTTING FOR CRACK GAUGES	258.000 EACH		

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CONTRACTOR : _____

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			DOLLARS	CTS	DOLLARS	CTS
0120	203500 HYDRAULIC EXCAVATION	1750.000 CY				
0130	207000 EXCAVATION AND BACKFILL FOR STRUCTURES	726.000 CY				
0140	207505 SUPPORT OF EXCAVATION	LUMP	LUMP			
0150	208000 EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	100.000 CY				
0160	209001 BORROW, TYPE A	500.000 CY				
0170	209002 BORROW, TYPE B	500.000 CY				
0180	210000 FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	726.000 CY				
0190	212000 UNDERCUT EXCAVATION	1000.000 CY				
0200	250000 SEDIMENT REMOVAL	200.000 CY				
0210	251000 SILT FENCE	5080.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	254000 STONE CHECK DAM	75.000 TON				
0230	255000 SEDIMENT TRAP	200.000 CY				
0240	268000 STABILIZED CONSTRUCTION ENTRANCE	225.000 TON				
0250	269000 TURBIDITY CURTAIN, FLOATING	1500.000 LF				
0260	270000 PORTABLE SEDIMENT TANK	3.000 EACH				
0270	302005 GRADED AGGREGATE BASE COURSE, TYPE B	3200.000 TON				
0280	302012 DELAWARE NO. 57 STONE	370.000 TON				
0290	302512 FURNISH AND PLACE STONE	5900.000 TON				
0300	601514 RAILROAD AT GRADE CROSSING	96.000 LF				
0310	601520 TEMPORARY TIMBER MAT	LUMP	LUMP			

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CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	602001 PORTLAND CEMENT CONCRETE MASONRY, CLASS A	317.000 CY				
0330	602018 PORTLAND CEMENT CONCRETE MASONRY, CLASS D	37.000 CY				
0340	602530 GROUT REPAIRS FOR SUBSTRUCTURE	200.000 CY				
0350	602614 UNDERWATER REVETMENT MATTRESS	3825.000 SF				
0360	602625 POST AND PLANK RETAINING WALL	6875.000 SF				
0370	602789 UNDERWATER GROUT FILLED GEOTEXTILE GROUT BAG	465.000 CY				
0380	603000 BAR REINFORCEMENT	41014.000 LB				
0390	604000 BAR REINFORCEMENT, EPOXY COATED	7767.000 LB				
0400	605001 STEEL STRUCTURES	3800.000 LB				
0410	605522 URETHANE PAINT SYSTEM, EXISTING STEEL	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0420	605533 CLEANING EXISTING STEEL STRUCTURES, HAZARDOUS BASE, (L.S.)	LUMP	LUMP			
0430	605578 REPLACING STEEL RIVETS/BOLTS	300.000 EACH				
0440	605626 DISMANTLE AND ERECT BRIDGE SUPERSTRUCTURE	LUMP	LUMP			
0450	605651 REPLACING BRIDGE BEARING, SPECIAL	4.000 EACH				
0460	605655 BEARING ANCHOR BOLT REPLACEMENT	12.000 EACH				
0470	605728 SUPERSTRUCTURE	LUMP	LUMP			
0480	606001 METAL BRIDGE RAILING, STEEL	554.000 LF				
0490	608000 COARSE AGGREGATE FOR FOUNDATION STABILIZATION AND SUBFOUNDATION BACKFILL	55.000 TON				
0500	612031 REINFORCED CONCRETE PIPE, 24", CLASS V	412.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0510	614005 GALVANIZED CORRUGATED STEEL PIPE, 24", 16 GAGE, 2 2/3" X 1/2" CORRUGATION	30.000 LF				
0520	614817 BORE 20" STEEL PIPE CASING	586.000 LF				
0530	617005 REINFORCED CONCRETE FLARED END SECTION, 24"	2.000 EACH				
0540	617515 HEADWALL	1.000 EACH				
0550	618060 STEEL H PILES, HP 12 X 53	7434.000 LF				
0560	619040 INSTALL STEEL H PILES, HP 12 X 53	7434.000 LF				
0570	619520 DRILLED MICROPILES	7922.000 LF				
0580	619521 MICROPILE LOAD TESTING	6.000 EACH				
0590	708512 DRAINAGE INLET, SPECIAL I	1.000 EACH				
0600	710504 ADJUSTING MANHOLES	1.000 EACH				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0610	712020 RIPRAP, R-4	30.000 TON				
0620	712021 RIPRAP, R-5	455.000 TON				
0630	712023 RIPRAP, R-7	735.000 TON				
0640	713002 GEOTEXTILES, SEPARATION	1800.000 SY				
0650	713003 GEOTEXTILES, RIPRAP	550.000 SY				
0660	727014 CONSTRUCTION SAFETY FENCE	2000.000 LF				
0670	727015 MONUMENTS	5.000 EACH				
0680	732002 TOPSOIL, 6" DEPTH	4000.000 SY				
0690	734018 TEMPORARY GRASS SEEDING, WET GROUND	1500.000 SY				
0700	734508 TEMPORARY SEED MIX	20000.000 SY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0710	734510 REFERTILIZATION OF PERMANENT SEED MIX	3.000 ACRE				
0720	734522 SEED MIX #1	1245.000 SY				
0730	734523 SEED MIX #2	2000.000 SY				
0740	734524 SEED MIX #3	9176.000 SY				
0750	735533 SOIL RETENTION BLANKET MULCH, TYPE 3	11176.000 SY				
0760	735535 SOIL RETENTION BLANKET MULCH, TYPE 5	1245.000 SY				
0770	743056 FLAGGER, NEW CASTLE COUNTY, FEDERAL	6000.000 HOUR	41.67000		250020.00	
0780	743065 FLAGGER, NEW CASTLE COUNTY, FEDERAL, OVERTIME	1000.000 HOUR	60.42000		60420.00	
0790	756000 SAND	1000.000 TON				
0800	759501 FIELD OFFICE, SPECIAL	24.000 EAMO				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0810	763000 INITIAL EXPENSE	LUMP	LUMP			
0820	763501 CONSTRUCTION ENGINEERING	LUMP	LUMP			
0830	763502 MAINTENANCE OF RAILROAD TRAFFIC	LUMP	LUMP			
0840	763508 PROJECT CONTROL SYSTEM DEVELOPMENT PLAN	LUMP	LUMP			
0850	763509 CPM SCHEDULE UPDATES AND/OR REVISED UPDATES	EAMO	18.000			
0860	763522 COAST GUARD SPECIFIC CONDITIONS	LUMP	LUMP			
0870	763623 NETTING MIGRATORY BIRD EXCLUSION	LUMP	LUMP			
0880	763624 SCOUR PROTECTION	LUMP	LUMP			
0890	763635 RAILROAD ACCESS PERMITS	LUMP	LUMP			
0900	763636 RAILROAD TIME DELAY - HEAVY OPERATIONS	HOUR	8.000			

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			DOLLARS	CTS	DOLLARS	CTS
0910	763680 RAILROAD TIME DELAY - MEDIUM OPERATIONS	 150.000 HOUR				
0920	763681 RAILROAD TIME DELAY - LIGHT OPERATIONS	 80.000 HOUR				
	SECTION 0001 TOTAL					
	TOTAL BID					

