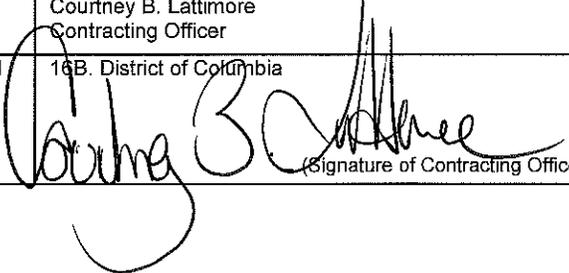


<b>AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT</b>			1. Contract Number <b>DCKA-2015-B-0068</b>	Page of Pages 1   23
2. Amendment/Modification Number  <b>Amendment 4</b>	3. Effective Date  See Box 16C	4. Requisition/Purchase Request No.	5. Caption <b>Rehabilitation of Pennsylvania Bridge over Rock Creek and Rock Creek Parkway</b>	
6. Issued by: District Department of Transportation Office of Contracting and Procurement 55 M Street, SE, 7 <sup>th</sup> Floor Washington, DC 20003		Code	7. Administered by (If other than line 6)	
8. Name and Address of Contractor (No. street, city, county, state and zip code)		9A. Amendment of Solicitation No. DCKA-2015-B-0068		
		9B. Dated (See Item 11) 5/19/16		
		10A. Modification of Contract/Order No.		
		10B. Dated (See Item 13)		
Code	Facility			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) BY separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. Accounting and Appropriation Data (If Required):				
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14</b>				
<b>X</b>	A. This change order is issued pursuant to (Specify Authority): The changes set forth in Item 14 are made in the contract/order no. in item 10A. 27 DCMR 3601			
	B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2.			
	C. This supplemental agreement is entered into pursuant to authority of:			
	D. Other (Specify type of modification and authority)			
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return <u>  1  </u> copies to the issuing office.				
14. Description of Amendment/Modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)  This amendment is issued to:  1. Respond to questions from prospective bidders (6 pages) 2. Delete specification pages 31 and 32 and replace with pages 31R and 32R attached 3. Delete drawings G-5 and G-7 and replace with pages G-5R and G-7R attached 4. Delete note TCN-01 and replace with TCN-01R 5. Delete pay item pages 1-11 and replace with pay item pages 1R-11R attached				
Except as provided herein, all terms and conditions of the document is referenced in Item 9A or 10A remain unchanged and in full force and effect.				
15A. Name and Title of Signer (Type or print)		16A. Name of Contracting Officer Courtney B. Lattimore Contracting Officer		
15B. Name of Contractor  (Signature)	15C. Date Signed	16B. District of Columbia   (Signature of Contracting Officer)	16C. Date Signed 7/12/16	

**DCKA-2015-B-0068****Rehabilitation of Pennsylvania Ave Bridge over Rock Creek and Rock Creek Parkway**

1. Please clarify whether Item 80 on the Schedule of Items applies to the stone surface repair. If not please indicate the location.

**Response:** Item 000514, Surface Spall Repair, applies to the stone masonry. See Dwg. S-37 for location.

2. Please identify the location of Portland Cement Concrete listed under item No. 300 of Schedule of prices.

**Response:** The 1 CY bid for Item 501022, Portland Cement Concrete, is used to establish a unit cost if and when PCC is used as directed by DDOT.

3. Please confirm if Item 320, Stone Foundation Protection, is the same as Riprap Restoration along Rock Creek shown on Sheet M-3 of Drawings. Also please inform if riprap material shall be of a certain source acceptable to NPS as it affects the price due to hauling distance. Please identify the source.

**Response:** Item 602006, Stone Foundation Protection, applies to the stone shown on Dwg. M-3. See Note 2 on M-3 concerning the appearance and NPS approval.

4. Please inform the allowance to be assigned to Items 620 and 670, Repair of Damaged Major Traffic Control Devices, and PEPCO Service respectively.

**Response:** The allowance for Item 612016, Repair of Damaged Major Traffic Control Devices, is \$10,000.00. The allowance for Item 613398, PEPCO Service Fees, is \$1,000.00. The Schedule of Items will be revised via Amendment.

5. For Item 640, Pavement Markings Letter and Symbols, the unit of measure in the Schedule of Items is LF. Please inform if this is correct or should it be per Each.

**Response:** For Item 612112, Pavement Markings Letter and Symbols, the unit of measure is per Each. The Schedule of Items will be revised via Amendment.

6. Item 870, Sidewalk, Median and Curb Finish, please clarify if this item applies only to the finishing of above elements of the bridge per Section 703.23 of the Standard Specifications and not the forming, furnishing and placing concrete, despite the fact that the unit of payment is CY. We assume payment for sidewalk and parapet core concrete will be made under Item 860, PCC Superstructure. Please confirm.

**Response:** Bid Item 703022, Sidewalk, Median and Curb Finish, shall be eliminated with a quantity of 0.0 CY and a cost of \$0.00. The bid quantity for Item 703008, PCC Superstructure, shall be increased to 260.0 CY to include sidewalk and parapet core concrete. The Schedule of Items and Dwg. G-5 will be revised via Amendment.

**DCKA-2015-B-0068****Rehabilitation of Pennsylvania Ave Bridge over Rock Creek and Rock Creek Parkway**

7. Please inform whether concrete soffit between arch ribs will be paid under Item 880, Concrete for Structures, Special Item. If not, what is the pay item for the soffit, and Item 880 applies to what work?

**Response:** Item 703991, Concrete for Structures, Special Item, is the pay item for the soffit slabs.

8. Drawing Sheets S-28 to S-34 show partial demolition and reconstruction of columns in addition to Type 1 & 2 repairs. We do not find an item for Substructure Concrete in the Schedule of items. Please inform the method of payment for substructure concrete.

**Response:** The cost for concrete in the substructure repairs is to be included in the SF unit price bid for the Type 1 and Type 2 repairs.

9. Is stainless steel reinforcing bars for Concrete Soffit Slabs paid under Item 900?

**Response:** Item 704991, Reinforcing Steel Special Item, is the pay item for the stainless steel reinforcing in the soffit slabs.

10. Per Note 3 on Sheet S-1 and Historic Bridge Rail Details on Sheet S-20, the existing granite curb on the Bridge is to be removed, modified at post locations, and re-installed. The Schedule of Items include three items for furnishing and setting granite curbs, but none for modifying and resetting existing curbs. Please inform the method of payment for modifying and reinstalling the existing granite curbs on the Bridge.

**Response:** The cost associated with modifying and resetting the granite curb at the railing posts is to be incidental to the unit price bid per LF for the Steel Bridge Railing Item 709004.

11. Is it permissible to drill and anchor temporary structures such as protection shield to the arch ribs?

**Response:** Any proposed attachments and/or modifications to the existing bridge structure must be submitted and accepted by DDOT prior to any work being performed.

12. On Sheet S-20, DDOT Detail Drawing 709.03, shows post spacing of 6'-3" max. However, it seems this detail has been crossed out. Should the fabricator follow this detail for post spacing and joint sleeves? We also need a layout of historic railing for post locations and expansion joint locations.

**Response:** The post spacing and layout shall be as shown in the DDOT standard drawing. Modifications to the end anchorage detail and mounting details do not affect post spacing.

**Amendment #4****DCKA-2015-B-0068**

**DCKA-2015-B-0068****Rehabilitation of Pennsylvania Ave Bridge over Rock Creek and Rock Creek Parkway**

13. Please provide the existing drawings for this bridge.

**Response:** Refer to Section 9, Informational Drawings, of the Specifications for procedure to review Existing Drawings.

14. The specifications for line 0620 "Repair of Damaged Traffic Control Devices" indicate that the District will provide the amount for each contractor to bid. The bid form is missing this amount. Please specify the allowance amount.

**Response:** The allowance for Item 612016, Repair of Damaged Major Traffic Control Devices, is \$10,000.00. The Schedule of Items will be revised via Amendment.

15. Can the Rock Creek Trail be closed during construction?

**Response:** The NPS pathway shall remain open at all times. See Section 33D, Additional Park Service Requirements, of the Specifications.

16. What is the anticipated depth for Type 1 and Type 2 Repairs?

**Response:** The depth of repair will be determined by the amount of removal required to reach sound concrete. See Standard Specifications 716.04 and Dwg S-45.

17. What is maximum depth for Type 1 Repairs?

**Response:** The depth of Type 1 Repair is 7". Any repair deeper than 7" shall immediately be brought to the attention of the Engineer.

18. The specifications for line 0670 "PEPCO Service Connect, Disconnect, & PEPCO Manhole Entry Fees" indicates that "Payment will be made to the Contractor based on the paid PEPCO invoices without any Contractor mark up." Will the District provide an equal amount for each contractor to bid? The bid form is missing this amount. Please specify the allowance amount.

**Response:** The allowance for Item 613398, PEPCO Service Fees, is \$1,000.00. The Schedule of Items will be revised via Amendment.

19. Can you please provide the latest bridge inspection report?

**Response:** Refer to Section 9, Informational Drawings, of the Specifications for procedure to review Inspection Reports.

**DCKA-2015-B-0068****Rehabilitation of Pennsylvania Ave Bridge over Rock Creek and Rock Creek Parkway**

20. On sheet S-7, Note 7 says the contractor is responsible for supporting the existing water main. On numerous other pages, it is acknowledged that the existing water main is self-supported. Please confirm that the existing water main is self-supporting.

**Response:** The existing water mains are self-supporting. Note 7 on Dwg. S-7 will be revised via Amendment.

21. Will DDOT assign a staging area at site?

**Response:** No staging area will be assigned by DDOT. The Contractor's work and storage space is addressed in Special Provision 13.

22. Sheet S-38 and 39 lists Type 3 and 4 repairs. Type 3 is salvage, store and reset existing stone; Type 4 is Dutchman repair. Both are paid for under pay item 708010, per CF. These are two different types of work, please clarify. Please identify more clearly type 4 repair Dutchman work, these drawings point to the entire stone but no specific repair area in the stone to be repaired.

**Response:** Both Type 3 and Type 4 repairs are to be bid per CF under Item 708010. Based on the information shown on Dwgs S-37 and S-38, the breakdown is approximately 45 CF for Type 3 repairs and 25 CF for Type 4 repairs. The approximate limit of the Type 4 Dutchman repairs is shown on the plans with dashed lines and shading. Actual limits and quantity of repairs will be as determined in the field based on existing conditions and District approval.

23. Type 3 repair: If a stone cannot be removed without destroying, does it convert to a type 2 repair (full unit replacement)?

**Response:** The intent is to salvage and reuse the existing stones. If a stone is damaged during removal, it shall be replaced at no additional cost to the District.

24. Pay Item 708995 Stone Masonry Cleaning: Please advise which cleaning products and procedures are acceptable for use, and what happens to the waste water and rinse water produced by the cleaning operation.

**Response:** Stone masonry cleaning materials and procedures are included in Special Provision 41 and Section A.

25. Sheet S-42, section C: Reference note "Exist stone facing to remain (showing location of top anchors possibly lost in 1977 deck replacement)"; Is any work required to this stone facing, additional anchors, etc?

**DCKA-2015-B-0068****Rehabilitation of Pennsylvania Ave Bridge over Rock Creek and Rock Creek Parkway**

**Response:** The existing stone facing is to remain and be secured in place during reconstruction. Existing top anchors may need to be replaced in kind as needed.

26. Item 860 PCC SUPERSTRUCTURE. Please confirm that sidewalk concrete on bridge deck is included in this item, and not in item # 870.

**Response:** Bid Item 703022, Sidewalk, Median and Curb Finish, shall be eliminated with a quantity of 0.0 CY and a cost of \$0.00. The bid quantity for Item 703008, PCC Superstructure, shall be increased to 260.0 CY to include sidewalk and parapet core concrete. The Schedule of Items and Dwg. G-5 will be revised via Amendment.

27. Item 880 CONCRETE FOR STRUCTURE. Please confirm that concrete quantity in this item is consisting of Soffit between the Arches and Columns repair.

**Response:** Item 703991 Concrete for Structures, Special Item, is the pay item for the soffit slabs. The cost for concrete in the substructure repairs is to be included in the SF unit price bid for the Type 1 and Type 2 repairs.

28. Item 900 Reinforcing Steel Special item. Please confirm that this item is stainless bars for Soffit.

**Response:** Item 704991, Reinforcing Steel Special Item, is the pay item for the stainless steel reinforcing in the soffit slabs.

29. Item 1050 Neoprene Compression Seal. Please confirm that Armored Joint included in this item.

**Response:** Item 718002, Neoprene Compression Seal, is the bid item for the Joint 1 & 4 seal replacement at the abutments and does not include the armoring. Item 717993 Armored Joint with Neoprene Compression Seal is for Joint 2 & 3 replacement. See Dwg S-47.

30. Contract Bid Item Description 300013 Water and Sewer Service Special Item-LS. What is the intention of this item? How many Sewer and Water service relocations should be included in the price? The Existing Utility Plan U-1 shows three Water Meters that are outside the limit of the restoration. The plan does not show any sewer services. Please clarify.

**Response:** Item 300013, Water and Sewer Service Special Item, is the bid item for the rehabilitation work on the 48" diameter water mains.

31. Pay Item 0740: Please provide details for light pole attachment to sidewalk /deck slab.

**Amendment #4****DCKA-2015-B-0068**

**DCKA-2015-B-0068****Rehabilitation of Pennsylvania Ave Bridge over Rock Creek and Rock Creek Parkway**

**Response:** Details for the attachment of light pole to sidewalk/deck slab are shown on Dwg. M-1.

32. Pay Item 0680: Please provide specifications for non-standard manhole.

**Response:** Hatch specifications and details for the non-standard manhole / access hatch are shown on Dwg. M-2.

33. Due to the fact that it is intended to allow water to flow in the cast iron pipes while painting them, please advise if the District will allow the use of a moisture cured coating system such as that provided by Wasser Coatings which would allow application of coating in a wider window of atmospheric conditions.

**Response:** Alternates to the specified coating system will be evaluated after award, during the submittal process.

34. When cast iron is abrasive blasted as required by the specifications, casting bubbles and voids can be opened which create a cratering effect on the surface of the cast iron. Please advise what, if anything will be required if these craters become present after abrasive blasting.

**Response:** See the revised Specification paragraph entitled INSPECTION at the bottom of Pages 31r and 32r, which provides for a third party consultant to be utilized by the Owner. The specification further states, "The Contractor shall provide specified coating removal, surface preparation and paint coating application as directed by the third party consultant at no additional cost to the Owner." The Water Main Painting will be revised via Amendment.

On sheet Dwg TCN-01, sheet 73, Note 19 is replaced with the following note: "NO WORK WILL BE PERMITTED DURING RUSH HOUR PERIODS EXCEPT IN THE WORK AREA BEHIND THE TEMPORARY BARRIER." Dwg. TCN-01 will be revised via Amendment.

All paint coatings shall be applied in strict accordance with the manufacturer's recommendations.

System Type: Series V700 Hydro-Flon, Thermoset Solution Fluoropolymer

- Primer Coat: Series N140 at 4.0 to 6.0 mils DFT, OOWH White
- First Coat: Series N140 at 4.0 to 6.0 mils DFT, 1255 Beige
- Second Coat: Series N140\*\* at 4.0 to 6.0 mils DFT, 39DL Delft/Blue
- Finish Coat: Series V700\* - color Hydro-Flon applied at 2.5 to 3.0 mils DFT (Owner Selected Top Coat Color)
- Total System DFT: 14.5 to 21 mils

The total cost of exterior pipe and fitting surface preparation, coating, site cleanup, restoration, testing, mobilization and manufacturer's representation shall be included in the lump sum bid for each item of work.

Total D.F.T. of this system shall be a minimum of 14.5 mils.

All primer applied to weld seams, weld scars, bolts, nuts, threaded rods, and other surface which cannot be thoroughly coated by roller or spray, shall be by brush.

#### **PAINT APPLICATION**

All painting work shall be carried out using equipment and methods as recommended by the paint manufacturer, which minimizes paint splatter, overspray, drift or fall onto the facilities or property of the Owner or others.

Finish work shall be uniform in color and appearance. Final brush, roller or spray strokes on the pipe exterior shall be uniformly horizontal.

If there are any areas deficient in thickness or appearance, the Contractor will be required to provide an additional coat of paint at no additional cost.

#### **INSPECTION**

The Contractor shall furnish all facilities for the inspection of the paint work and shall include in his bid an allowance for a reasonable number of field inspection trips of a qualified representative of the paint manufacturer to advise on paint application methods and to confirm dry film thickness and adhesion as per ASTM D-3359 – Method B. The Contractor shall advise the Owner or its representative at least 24 hours in advance of each scheduled inspection. The contractor shall provide a certificate, signed by the manufacturer, after the application of each component of the coating system certifying that each component of the coating system has been applied according to the manufacturer's recommendations and in accordance with the applicable sections of the latest revision of AWWA D102. The Owner shall have the right to request an inspection by the paint manufacturer at any time during the progress of the work if it is deemed necessary and at the Contractor's expense. The Owner or its representative reserved the right to inspect all cleaned/abrasive blasted surfaces prior to subsequent paint applications.

At the Owner's cost, a third party coating removal, coating residue monitoring and disposal, surface preparation and paint coating consultant may be utilized by the Owner.

The third party consultant shall have continuous and uninterrupted access to the site. The Contractor shall provide specified coating removal, surface preparation and paint coating application as directed by the third party consultant at no additional cost to the Owner.

#### **QUALITY OF WORKMANSHIP**

All blast grit and dust from blasting operations shall be removed from surfaces before coating application is begun. Blasted surfaces shall be coated with one coat of primer during the same day that blasting was done. Primer shall not be applied closer than six (6) inches to any area to be abrasive blasted. Subsequent blasting operations shall not result in grit particles embedded in the coating film.

All paintings shall be performed in a workmanlike manner, by experienced workmen.

All coatings shall be maintained at a uniform consistency by stirring at frequent intervals and shall be evenly spread, free from runs, sags, visible laps and brush and roller marks.

The coating containers for the coatings shall be stored so that they are protected from temperatures of 35°F. or lower.

The Contractor shall provide his own facilities and protection and safe storage of all equipment, paint, solvents and blast abrasives. The Owner's structures shall not be used by the Contractor for storage.

All work shall be done to the satisfaction of and subject to the approval of the Owner or its authorized representative. Materials and workmanship not in accordance with the Specifications shall be rejected and all defective material and workmanship shall be promptly replaced at the Contractor's expense.

The premises shall be maintained free from accumulations of waste material and rubbish. At the completion of the work, all rubbish, (including grit and grit from blasting) tools, scaffolding and surplus materials shall be removed. The area shall be left in a clean, orderly and acceptable condition.

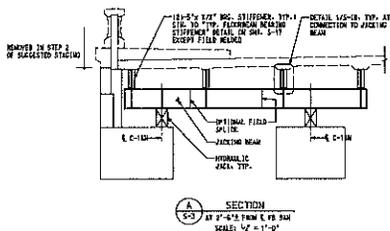
Throughout the course of the work, the Contractor shall maintain the site in a clean and presentable condition. The work shall be done in such a fashion as to assure protection of existing trees, lawns, fences and structures on the site and all adjoining properties from damages due to abrasive blasting, painting, and all other work included in this contract. Particular care shall be taken to protect adjacent property from abrasive blast rebound.

#### **D. PAYMENT**

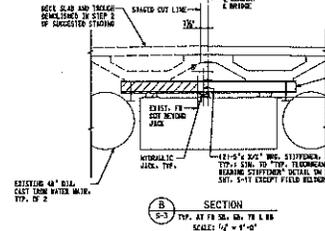
Payment for the removal of existing exterior pipe and fittings coatings, surface preparation, new coating system application and paint residue testing, removal, containment, registration, environmental protection, handling and disposal of non- hazardous waste shall be at the lump sum price bid for Item 300013.



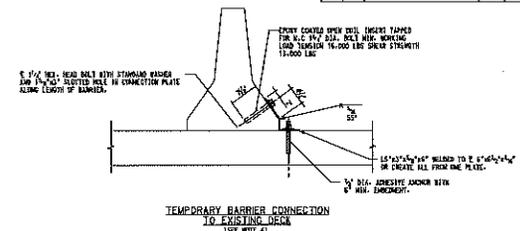
NO.	DATE	PROJECT	BY	SCALE
2	DEC. 1984	PAV - 1024 (214)	ZZ	1/2"



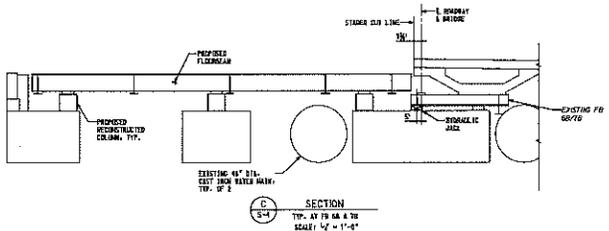
SECTION A  
AT 2'-4 1/2" FROM E TO BAY  
SCALE: 1/2" = 1'-0"



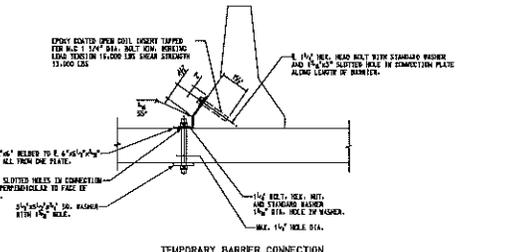
SECTION B  
AT 17" FROM CEN. TO E BAY  
SCALE: 1/2" = 1'-0"



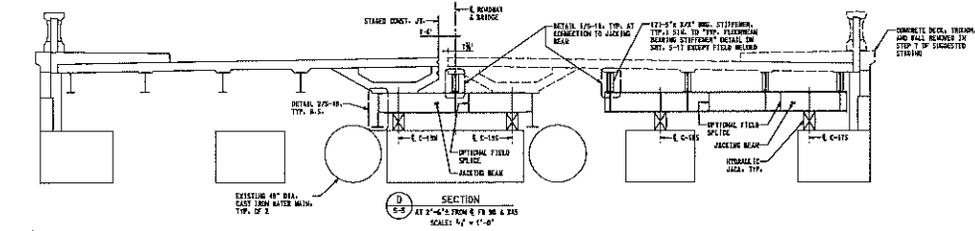
TEMPORARY BARRIER CONNECTION TO EXISTING DECK  
NOTE: 51  
SCALE: 1 1/4" = 1'-0"



SECTION C  
AT 17" FROM CEN. TO E BAY  
SCALE: 1/2" = 1'-0"



TEMPORARY BARRIER CONNECTION TO NEW BEAMS  
NOTE: 51  
SCALE: 1 1/4" = 1'-0"



SECTION D  
AT 2'-4 1/2" FROM E TO BAY  
SCALE: 1/2" = 1'-0"

- NOTES:
- REFER TO SHEET S-10 FOR DIMENSIONS NOT SHOWN.
  - CONTRACTOR TO DESIGN ALL JOISTS AND BEAMS FOR 210 KIPS MINIMUM. THE CONTRACTOR SHALL DESIGN THAT THE EXISTING DECK IS NOT LIFTED HORIZONTALLY A MEASURABLE AMOUNT DURING THE JACKING PROCEDURE.
  - TEMPORARY SUPPORTS AND JAIL BEAMS ARE SHOWN AS SUGGESTIONS ONLY. THE CONTRACTOR SHALL DEVELOP TEMPORARY SUPPORT PLANS AND CALCULATIONS AND SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL.
  - JAIL T 2 ONLY PRECAST CONCRETE CONNECTION BARRIER AND JOINT-STRIPS TO BE LARGED INTO THE EXISTING DECK. TO ALL REMOVED. JACKING PLATE SPACING SHALL BE 5FT. JACKING PLATE IS REQUIRED ONLY ON THE TRAFFIC SIDE OF THE BARRIER.
  - JAIL T 2 ONLY PRECAST CONCRETE CONNECTION BARRIER AND JOINT-STRIPS SCHEDULED TO BE LARGED. THE JACKING PLATE IS REQUIRED ONLY ON THE TRAFFIC SIDE OF THE BARRIER AND SHALL BE 5 FT. HOLE SPACING & FILLED WITH EPXY GROUT MEETING THE REQUIREMENTS OF SECTION 604.02 (2) AFTER BARRIER REMOVAL.
  - FOR TEMPORARY CONCRETE BARRIER TYPICAL JOINT CONNECTION DETAILS, SEE PART STD. 595 AND 514-01 (100) (100).
  - THE EXISTING 48" DIA. CAST IRON WATER MAIN SHALL BE PROTECTED AND LEFT UNOPERATIONAL DURING THE PROJECT CONSTRUCTION.

D.C. DEPARTMENT OF TRANSPORTATION  
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION  
PROJECT MANAGEMENT DIVISION

REHABILITATION OF PENNSYLVANIA AVENUE  
OVER ROCK CREEK & ROCK CREEK PKWY

SUGGESTED STAGING SECTIONS AND DETAILS

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
SCALE: 1/2" = 1'-0"

**Hardesty & Hanover**  
INCORPORATED  
100 NATIONAL COMMONWEALTH DRIVE  
BETHESDA, MARYLAND 20814

NO.	REVISION	DATE	BY	CHK
1	ISSUED FOR CONSTRUCTION	FALL 1984	ZZ	ZZ

ADDRESS: 100 NATIONAL COMMONWEALTH DRIVE, BETHESDA, MARYLAND 20814  
 TELEPHONE: (301) 461-1000, AT. (301) 461-1001  
 FAX: (301) 461-1002

DATE	REVISED	BY	REASON
1	D.C.	MI - 104, 114	23 10

**GENERAL NOTES:**

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE PUBLIC AND HIS WORKERS THROUGHOUT THE TERM OF THIS CONTRACT.
- THE CONTRACTOR SHALL DEVELOP HIS CONSTRUCTION SCHEDULE WITHIN THE FRAMEWORK OF THE MAINTENANCE OF TRAFFIC DOTT PLAN PROVIDED HEREIN. THE CONTRACTOR'S ACTIVITIES SHALL NOT CHANGE THE OPERATIONAL REQUIREMENTS SET FORTH IN THIS DOT, EXCEPT AS PROVIDED BY THE ENGINEER PRIOR TO EXECUTION OF CONSTRUCTION OPERATIONS OR TASKS IN SUBSEQUENT CONSTRUCTION PHASES.
- THE CONTRACTOR MAY USE AN ALTERNATE DOTT PLAN SUBJECT TO APPROVAL BY THE ENGINEER.
- THE CONTRACTOR SHALL USE THE STANDARD D.D.DOT TYPICAL TRAFFIC CONTROL PLAN FOR WORK ON SIDEWAYS, WHEN MILLING AND OVERLAYING THE ROADWAY, AND ON OTHER WORK AREAS NOT SHOWN ON MAINTENANCE OF TRAFFIC PLANS, SUBJECT TO APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL STAGE THE RAMP MODIFICATION, MILLING AND OVERLAY WORK AFFECTING THE ROCK CREEK PARKWAY OFF RAMP, WEST OF BRIDGE, ALLOWING EXITS ALL THE TIME.
- WESTBOUND BUSES 365, 31, 21, 208, 05 AND 051 SHALL BE RELOCATED TO DETOUR VIA 208 STREET NW AND M STREET NW. THE METRO BUS STOP ON PENNSYLVANIA AVENUE NW WESTBOUND, NEARSIDE OF 208 STREET, SHALL BE RELOCATED TO THE EXISTING DC CIRCULATOR BUS STOP ON PENNSYLVANIA AVENUE NW WESTBOUND, NEARSIDE OF 208 STREET, STREET NW. THE METRO BUS STOP ON PENNSYLVANIA AVENUE NW WESTBOUND, NEARSIDE OF 208 STREET, SHALL BE RELOCATED TO THE EXISTING DC CIRCULATOR BUS STOP ON M STREET NW WESTBOUND, NEARSIDE OF 208 STREET. THE RELOCATIONS SHALL BE DONE "BY OTHERS". THE CONTRACTOR SHALL COORDINATE WITH LANE CENTER OF METRO'S OFFICE OF BUS PLANNING AT 202-342-6665 OR [lane@metro.com](mailto:lane@metro.com), AT LEAST TWO WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION TO COORDINATE THE DETOUR AND BUS STOP RELOCATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE INSTALLATION OF TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE DOTT STANDARD DRAWINGS (DOTT), THE D.C. TEMPORARY TRAFFIC CONTROL MANUAL (DOTT) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION AND ADDENDUMS, FOR BOTH VEHICLE AND PEDESTRIAN. PRIOR TO THE BEGINNING OF HIS OPERATIONS, INSTALLATION OF TRAFFIC CONTROL SIGNS AND DEVICES SHOWN IN THE PLANS IS CONSIDERED ESSENTIALLY A MINOR AND DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY OF ENSURING SAFE CONDITIONS DURING HIS OPERATIONS. THE SAME STANDARDS AND REQUIREMENTS APPLY FOR MILLING AND RESURFACING OUTSIDE THE LIMITS OF BRIDGE REHABILITATION.
- EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE COVERED WHEN NOT APPLICABLE. THIS INCLUDES COVERING EXISTING PARKING SIGNS UNLESS TEMPORARY NO PARKING RESTRICTIONS ARE IN PLACE. ALL EXISTING ROAD SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED. THE CONTRACTOR SHALL RESTORE ALL EXISTING PAVEMENT MARKINGS AND SIGNS TO ITS ORIGINAL LOCATION AT THE END OF CONSTRUCTION OR WHEN THE TEMPORARY TRAFFIC CONTROL IS NO LONGER NEEDED AS DIRECTED BY THE ENGINEER. THE PAYMENT IS INCLUDED IN THE "MAINTENANCE OF TRAFFIC" BID ITEM.
- ANY DRAINAGE, SIGNING, LIGHTING, UTILITY, SEDIMENT CONTROL, PROTECTION AND OTHER MISCELLANEOUS WORK SHALL BE PERFORMED AS THE TRAFFIC CONTROL PLAN ALLOWS.
- THE CHIEF ENGINEER WILL ROUTINELY INSPECT THE MAINTENANCE OF TRAFFIC. IF DEFICIENCIES ARE NOTED, THE ENGINEER RESERVES THE RIGHT TO STOP ALL WORK UNTIL CORRECTIVE ACTION IS TAKEN.
- TEMPORARY REMOVABLE REFLECTIVE PAVEMENT TAPE OF AN APPROVED TYPE SHALL BE USED TO DESIGNATE TEMPORARY TRAFFIC LANES ON ALL FINAL PAVEMENT SURFACES THAT REQUIRE TEMPORARY PAINT MARKING PATTERNS. TEMPORARY PAINT SHALL ONLY BE USED ON SURFACES THAT ARE SCHEDULED FOR REPAVING OR FINAL SURFACE CONSTRUCTION IN A LATER PHASE. MARKINGS SHALL BE WHITE OR YELLOW AS NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC DURING ALL PHASES AND STAGES OF CONSTRUCTION OUTSIDE THE LIMITS OF THE BRIDGE REHABILITATION WORK. THIS SHALL INCLUDE ACCESS TO CROSS STREETS, ISLANDS, SHOULDERS, SIDEWALKS, BUS STOPS, COMMERCIAL PROPERTIES, AND RESIDENCES. BARRICADES SHALL BE ADJUSTED AS NECESSARY TO MAINTAIN CONTINUOUS PEDESTRIAN ACCESS TO ALL COMMERCIAL PROPERTIES AND RESIDENCES. ALL SUCH TEMPORARY ACCESS SHALL BE HANDICAP COMPLIANT IF EXISTING PEDESTRIAN ACCESS TO A COMMERCIAL OR RESIDENTIAL PROPERTY IS HANDICAP COMPLIANT. ALL SIGNS AND TRAFFIC CONTROL DEVICES AND/OR TEMPORARY CONSTRUCTION REQUIRED TO MAINTAIN FULL AND SAFE PEDESTRIAN ACCESSIBILITY THROUGHOUT THE CONSTRUCTION AREA OUTSIDE THE LIMITS OF THE BRIDGE REHABILITATION WORK AT ALL TIMES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
- THE CONTRACTOR SHALL PLACE VARIABLE MESSAGE SIGNS WITH THE MESSAGE "CONSTRUCTION WILL START ON XXXX AT EITHER END OF PENNSYLVANIA AVENUE AND ROCK CREEK PARKWAY, AND AS DIRECTED BY THE ENGINEER SOON AFTER THE NOTICE TO PROCEED.
- UNLESS OTHERWISE NOTED, SPACING BETWEEN WARNING SIGNS SHALL BE AT LEAST 150 FEET ON PENNSYLVANIA AVENUE AND 250 FEET ON ROCK CREEK PARKWAY.
- FLASHING WARNING LIGHTS TYPE B SHALL BE USED ON ALL WARNING SIGNS.
- ALL TRAFFIC DRUMS USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE OF A LOW DENSITY MATERIAL, UNLESS OTHERWISE NOTED. SPACING BETWEEN TRAFFIC DRUMS SHALL BE NO GREATER THAN 90 FEET.
- SEDIMENT CONTROL PROTECTION SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING BAILETS IMPACTED BY THE CONSTRUCTION AS WELL AS NEW BAILETS SHALL BE PROTECTED.
- COMMERCIAL OR RESIDENTIAL PROPERTIES AFFECTED BY TEMPORARY DRIVEWAY CLOSURES SHALL BE ADVISED IN WRITING BY THE CONTRACTOR A MINIMUM OF ONE WEEK IN ADVANCE.
- NO WORK SHALL BE PERMITTED DURING RUSH HOUR PERIODS EXCEPT IN THE WORK AREA BEHIND THE TEMPORARY BARRIER.
- ALL OTHER MAINTENANCE OF TRAFFIC ITEMS NOT INCLUDED IN THE CONSTRUCTION ESTIMATE INCLUDING PCC BARRIER SHIFTS AND PEDESTRIAN STEEL BARRICADES, SHALL BE INCIDENTAL TO THE MAINTENANCE OF HIGHWAY TRAFFIC ITEM.
- THE DOTT WILL PERFORM THE TEMPORARY AND PERMANENT SIGNAL TUNING. THE CONTRACTOR SHALL COORDINATE THE SIGNAL TUNING IDENTIFICATIONS WITH DEPARTMENT REGULATIONS IN WRITING OR BY THE DEPARTMENT CITYWISER PRACTICE SIGNAL CONSTRUCTION CONTRACTOR AT LEAST TWO WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL COVER (DASH) THE VERTICAL AND PEDESTRIAN SIGNAL HEADS AS WELL AS PEDESTRIAN PUSH BUTTONS THAT ARE NOT IN USE DURING CONSTRUCTION WITH OPAQUE MATERIAL. THE MATERIAL SHALL BE ADEQUATELY FASTENED TO THE EQUIPMENT IN A HEAT, SECURE AND WEATHERPROOF MANNER.

**LEGEND:**

- PROPOSED
- ARROW PANEL
  - ARROW PANEL SUPPORT OR TRAILER (GREEN FLASHING DRUM)
  - CHANNELIZING DEVICE
  - DIRECTION OF TEMPORARY DETOUR
  - DIRECTION OF TRAFFIC
  - FLAGGER
  - HIGH LEVEL WARNING DEVICE (FLAG TREE)
  - SIGN LOCATION SYMBOL
  - TRUCK MOUNTED ATTENUATOR
  - CONSTRUCTION ATTENUATOR
  - TRAFFIC SIGN
  - TYPE II BARRICADE
  - PRECAST CONCRETE CONSTRUCTION BARRIER
  - PEDESTRIAN STEEL BARRICADE
  - WORK ZONE

DATE: 08/11/2010 10:45:00 AM BY: MI-104, 114

ICN-01

D.C. DEPARTMENT OF TRANSPORTATION  
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION  
PROJECT MANAGEMENT DIVISION

REHABILITATION OF PENNSYLVANIA AVENUE  
OVER ROCK CREEK & ROCK CREEK PKWY

MAINTENANCE OF TRAFFIC  
GENERAL NOTES AND LEGEND

PREPARED BY: _____ CHECKED BY: _____ DATE: _____	THROUGH DATE: _____ DATE: _____ PAGE: _____ OF _____
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**BVF Engineering, Inc.**  
8550 Centex Park Drive, Suite 107  
Columbia, MD 21044

REVISED	DATE	BY

REVISED

## SCHEDULE OF ITEMS

DATE:

REVISED:

CONTRACT ID: KA2015B0068

PROJECT(S): NH-1104(014)

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PARTICIPATING BRIDGE AND ROADWAY WORK						
0010	000003 Employee Training		2000.000			
		HR				
0020	000506 Unassigned Special Item -EACH - PREFORMED PAVEMENT MARKINGS, SYMBOLS AND LETTERS ITEM 612113	EACH	9.000			
0030	000509 Unassigned Special Item -LF - SPECIAL ITEM ASSIGNED TO ITEM 613021 F&I GALV RIGID STEEL ELEC CONDUIT 3 IN DIA	LF	2400.000			
0040	000509 Unassigned Special Item -LF - SPECIAL ITEM ASSIGNED TO ITEM 708997 - HORIZONTAL JOINT REPAIR	LF	560.000			
0050	000509 Unassigned Special Item -LF - SPECIAL ITEM ASSIGNED TO ITEM 717993 - A RMORED JT. W/ NEOPRENE COMPRESSION SEAL	LF	185.000			
0060	000511 Unassigned Special Item -LS - SPECIAL ITEM ASSIGNED TO ITEM 708995 STONE MASONRY - CLEANING	LUMP		LUMP		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0070	000511 Unassigned Special Item -LS - SPECIAL ITEM ASSIGNED TO ITEM 708996 - RESET PARAPET STONE	LUMP	LUMP			
0080	000511 Unassigned Special Item -LS - SPECIAL ITEM ASSIGNED TO ITEM 715992 - CONCRETE SEALANT	LUMP	LUMP			
0090	000514 Unassigned Special Item -SF - SPECIAL ITEM ASSIGNED TO ITEM 708999 - SURFACE SPALL REPAIR	SF	15.000			
0100	108002 Mobilization	LUMP	LUMP			
0110	108004 Progress Photographs	LUMP	LUMP			
0120	108006 Record Drawings and As-Built Drawings	LUMP	LUMP			
0130	108010 Preconstruction Survey	LUMP	LUMP			
0140	108012 Engineer's Field Facilities	LUMP	LUMP			
0150	108016 Field Layout	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0160	201993 Clear and Grub Special Item - SY -	150.000 SY	.	.	.	.
0170	202002 Common Excavation	5.000 CY	.	.	.	.
0180	202004 Hard Surface Pavement Excavation	60.000 CY	.	.	.	.
0190	205008 Demolition	LUMP	LUMP	.	.	.
0200	209002 Aggregate Base Course	4.000 CY	.	.	.	.
0210	212002 Test Pit	5.000 EACH	.	.	.	.
0220	215008 Asphalt	1.000 TON	.	.	.	.
0230	300013 Water and Sewer Service Special Item-LS -	LUMP	LUMP	.	.	.
0240	328002 Clean Storm Sewer Structure	2.000 EACH	.	.	.	.
0250	328004 Clean Storm Sewer Connecting Pipe	80.000 LF	.	.	.	.
0260	402010 HMA Surface Course, 12.5 mm	158.000 TON	.	.	.	.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0270	403002 Tack Coat	1800.000				
		SY	.		.	
0280	405016 Temporary AC, HMA Surface Course, 12.5 mm	1.000				
		TON	.		.	
0290	409002 Asphalt Bike Path	3.000				
		TON	.		.	
0300	410002 Pavement Profiling (Milling)	1800.000				
		SY	.		.	
0310	501022 Portland Cement Concrete	1.000				
		CY	.		.	
0320	502022 PCC Base, 10 Inch	24.000				
		SY	.		.	
0330	602006 Stone Foundation Protection	400.000				
		TON	.		.	
0340	605006 PCC Sidewalk, 4 Inch	175.000				
		SY	.		.	
0350	605026 Brick Sidewalk on PCC Base	73.000				
		SY	.		.	
0360	606004 PCC Curb and/or Gutter	50.000				
		LF	.		.	
0370	606064 Furnish and Set 8"x12" Granite Straight Curb	90.000				
		LF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0380	606066 Furnish&Set 8"x12" Granite Circular Curb Radius Under 10Ft	4.000 LF	.	.	.	.
0390	606068 Furnish&Set8"x12"Granite Circular Curb Radius10-100Ft	24.000 LF	.	.	.	.
0400	606098 PCC Wheelchair/Bicycle Ramp - New Construction	2.000 EACH	.	.	.	.
0410	606108 Brick Gutter	152.000 SF	.	.	.	.
0420	607016 Sod	10.000 SY	.	.	.	.
0430	608072 Tree Protection and Replacement	2.000 EACH	.	.	.	.
0440	610012 Portable Precast PCC Barrier	500.000 LF	.	.	.	.
0450	612002 Maintenance of Highway Traffic	LUMP	LUMP	.	.	.
0460	612008 Remove Lane Markings	700.000 SF	.	.	.	.
0470	612010 Temporary Construction Sign Supports	108.000 EACH	.	.	.	.

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			DOLLARS	CTS	DOLLARS	CTS
0480	612014 Construction Warning and Detour Signs	1342.000				
		SF	.		.	
0490	612022 Sequential Arrow Boards	3.000				
		EACH	.		.	
0500	612028 Type III PVC Barricade	45.000				
		EACH	.		.	
0510	612034 Traffic Drums	200.000				
		EACH	.		.	
0520	612054 Thermoplastic Pavement Marking, 4 Inch	1200.000				
		LF	.		.	
0530	612056 Thermoplastic Pavement Marking, 4 Inch Dash	200.000				
		LF	.		.	
0540	612058 Thermoplastic Pavement Marking, 6 Inch	380.000				
		LF	.		.	
0550	612064 Thermoplastic Pavement Marking, 12 Inch	135.000				
		LF	.		.	
0560	612066 Thermoplastic Pavement Marking, 24 Inch	320.000				
		LF	.		.	
0570	612070 Thermoplastic Pavement Arrow	2.000				
		EACH	.		.	
0580	612090 Black Contrast Tape	144.000				
		SF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0590	612092 Truck Mounted Attenuator	2.000 EACH	.	.	.	.
0600	612096 Construction Zone Attenuator	1.000 EACH	.	.	.	.
0610	612100 Portable Changeable Message Sign	6.000 EACH	.	.	.	.
0620	612104 Steel Protection Plate	2.000 EACH	.	.	.	.
0630	612106 Repair of Damaged Major Traffic Control Devices	LUMP	LUMP	.	10000.00	.
0640	612110 Preformed Pavement Markings, Lines	2570.000 LF	.	.	.	.
0650	613020 Furnish&Install Galvanized Rigid Steel Elec Conduit 2 In Dia	25.000 LF	.	.	.	.
0660	613046 Repair-Replace Existing Encased Electrical Conduit 3 In Dia.	25.000 LF	.	.	.	.
0670	613398 PEPCO Service Connect, Disconnect, & PEPCO Manhole Entry Fees	LUMP	LUMP	.	1000.00	.
0680	614088 F&I Non-Standard Manhole	2.000 EACH	.	.	.	.

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			DOLLARS	CTS	DOLLARS	CTS
0690	614222 Rod and Clean District-Owned Conduit	100.000 LF	.		.	
0700	614230 F&I #10 Stranded Wire	150.000 LF	.		.	
0710	614236 F&I #8 Stranded Wire	3300.000 LF	.		.	
0720	614332 F&I #8 Stranded Ground Wire	1700.000 LF	.		.	
0730	614374 Remove Conductors in Conduits	3000.000 LF	.		.	
0740	614506 Furnish #18 Cast Iron pole	8.000 EACH	.		.	
0750	614568 Remove Pendant Pole 30 ft. Height or Less	3.000 EACH	.		.	
0760	614700 Remove Luminaire from Steel Pole	3.000 EACH	.		.	
0770	614806 F&I 100 W Post-top LED Fixture w/Washington Globe&photocell	8.000 EACH	.		.	
0780	614898 F&I Electrical Junction Box	12.000 EACH	.		.	
0790	614914 Ground Testing	LUMP		LUMP		

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			DOLLARS	CTS	DOLLARS	CTS
0800	614916 Cable Insulation Testing	LUMP	LUMP			
0810	616016 Metal Sign Posts, 3.00 Pounds per Foot	154.000 LF				
0820	616022 Traffic Sign Panels	76.000 SF				
0830	616036 Remove Existing Ground Mounted Sign	45.000 SF				
0840	616042 Federal Aid Project Sign	1.000 EACH				
0850	618004 Geotextile for Slope Stabilization/ESC	150.000 SY				
0860	703008 RCC Superstructure	260.000 CY				
0870	703991 Concrete for Structures Special Item - CY -	80.000 CY				
0880	704004 Epoxy Coated Reinforcement Bars	45000.000 LBS				
0890	704991 Reinforcing Steel Special Item - LBS -	13250.000 LBS				
0900	706010 Structural Steel - AASHTO M270, Grade 50	69000.000 LBS				

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			DOLLARS	CTS	DOLLARS	CTS
0910	706020 Bridge Bearings, (Each)	24.000 EACH	.		.	
0920	707002 Paint New Metalwork	LUMP	LUMP		.	
0930	707004 Paint Existing Metalwork	LUMP	LUMP		.	
0940	708002 Stone Masonry, Class A	100.000 CF	.		.	
0950	708010 Reset Stone Masonry	70.000 CF	.		.	
0960	708012 Repoint Stone Masonry	800.000 LF	.		.	
0970	708991 Stone Masonry Special Item - LF -	175.000 LF	.		.	
0980	709004 Steel Bridge Railing	550.000 LF	.		.	
0990	710002 Bridge Deck Drain System	LUMP	LUMP		.	
1000	715004 Concrete Bridge Deck Repair	431.000 SF	.		.	
1010	716004 Repair Type 1 -Concrete Repair	166.000 SF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1020	716006 Repair Type 2 - Concrete Patch	2202.000 SF		.		.
1030	716008 Repair Type 3 - Crack Repair	31.000 LF		.		.
1040	718002 Neoprene Compression Seal	155.000 LF		.		.
1050	720002 Protection Shield	LUMP	LUMP			.
	SECTION 0001 TOTAL					.
	TOTAL BID					.