

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT			1. Contract Number DCKA-2014-B-0083	Page of Pages 1 | 22
2. Amendment/Modification Number Amd 5	3. Effective Date See 16C	4. Requisition/Purchase Request No.	5. Solicitation Caption 27th Street Bridge	
6. Issued by: District Department of Transportation OCP 55 M Street, SE Suite 700 Washington, DC 20003		Code	7. Administered by (If other than line 6) District Department of Transportation IPMA 55 M Street, SE 4 th floor Washington, DC	
8. Name and Address of Contractor (No. street, city, county, state and zip code)		Code	Facility	<input checked="" type="checkbox"/> 9A. Amendment of Solicitation No. DCKA-2014-B-0083
				<input type="checkbox"/> 9B. Dated (See Item 11) 9/19/2014
				<input type="checkbox"/> 10A. Modification of Contractor/Order No.
				<input type="checkbox"/> 10B. Dated (See Item 13)
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" 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 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 <u>2</u> 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):				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTORS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14				
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.				
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) Adding additional scope and increasing the amount of the original contract				
E. IMPORTANT: 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.)				
Solicitation No.: DCKA-2014-B-0083- 27th Street Bridge over Broad Branch Stream adjacent to Rock Creek Park				
1) Revised bid tab- attachment #1 2) Responses per contractor inquiries- attachment #2 3) Amended Special Provisions- attachment #3 4) Quantity summaries and revised plans sheet S-4 and S-5- attachment #4				
This solicitation is further amended to reflect the number of trainees				
1) One Mason trainee				
This amendment further clarifies that there is no DBE requirement for this project.				
Except as provided herein, all terms and conditions of the document referenced in item (9A or 10A) remain unchanged and in full force and effect.				
15A. Name and Title of Signer (Type or print)		16A. Courtney Lattimore Deputy Chief Contracting Officer		
15B. Name of Contractor (Signature)	15C. Date Signed	16B. District of Columbia <i>Donnietta</i> (Signature of Contracting Officer)	16C. Date Signed 10/28/2014	

ATTACHMENT # 1

SCHEDULE OF ITEMS

DATE:
REVISED:

CONTRACT ID: 2014B0083

PROJECT(S): BH-8888(461)

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PARTICIPATING BRIDGE WORK (100%)						
0010	000003 Employee Training	1550.000				
		HR				
0020	000006 PEPCO Cost - Streetlight Work	LUMP	LUMP			2500.00
0030	000505 Unassigned Special Item -DAYS - INCENTIVE/DISINCENTIVE	10.000	4200.00000			42000.00
		DAYS				
0040	000506 Unassigned Special Item -EACH - PARTNERING	1.000	8000.00000			8000.00
		EACH				
0050	108002 Mobilization	LUMP	LUMP			
0060	108004 Progress Photographs	LUMP	LUMP			
0070	108006 Record Drawings and As-Built Drawings	LUMP	LUMP			
0080	108012 Engineer's Field Facilities	LUMP	LUMP			
0090	200019 Earthwork and Excavation Special Item - SY - 200023 - COIR MATTING	160.000				
		SY				

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CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	200019 Earthwork and Excavation Special Item - SY - 200025 - FILTER FABRIC	970.000 SY				
0110	200019 Earthwork and Excavation Special Item - SY - 200027 - GEOGRID FOR VEGETATED LIFT	575.000 SY				
0120	200019 Earthwork and Excavation Special Item - SY - 200029 - GEOTEXTILE REINFORCEMENT	1540.000 SY				
0130	201002 Clear and Grub	LUMP	LUMP			
0140	202002 Common Excavation	190.000 CY				
0150	204004 Borrow Embankment Fill	40.000 CY				
0160	205002 Structure Excavation	265.000 CY				
0170	205008 Demolition	LUMP	LUMP			
0180	205010 Structure Hard Surface Excavation	80.000 CY				

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CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0190	205991 Structure Excavation Special Item -CY- SALVAGE EXISTING ABUTMENT STONE	10.000 CY	.	.	.	.
0200	206002 Structure Backfill	215.000 CY	.	.	.	.
0210	206991 Structure Backfill Special Item -CY- 206003- REINFORCED BACKFILL VEGETATED LIFT	106.000 CY	.	.	.	.
0220	207002 Trench Excavation and Backfill	295.000 CY	.	.	.	.
0230	207004 Trench Undercut Excavation	102.000 CY	.	.	.	.
0240	207006 Gravel for Trench Undercut	102.000 CY	.	.	.	.
0250	207008 Borrow Trench Backfill	273.000 CY	.	.	.	.
0260	208002 Pervious Fill	48.000 CY	.	.	.	.
0270	209002 Aggregate Base Course	32.000 CY	.	.	.	.
0280	300003 Water and Sewer Service Special Item-CY - CONCRETE ENCASEMENT OF 12 INCH DUCTILE IRON PIPE	3.000 CY

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			DOLLARS	CTS	DOLLARS	CTS
0290	300007 Water and Sewer Service Special Item-EACH- 300023 - UTILITY VERTICAL SUPPORT STEEL	8.000 EACH				
0300	300007 Water and Sewer Service Special Item-EACH- 300025 - UTILITY HORIZONTAL SUPPORT STEEL	4.000 EACH				
0310	300007 Water and Sewer Service Special Item-EACH- 300027 - 6" DRAIN BLOWOFF	1.000 EACH				
0320	300009 Water and Sewer Service Special Item-LF -	34.500 LF				
0330	300009 Water and Sewer Service Special Item-LF - 20 INCH STEEL CASING PIPE	69.000 LF				
0340	302002 Valve Casing	4.000 EACH				
0350	303002 Abandon Valve Casing	3.000 EACH				
0360	305010 Ductile Iron Pipe, 12 Inch	182.000 LF				
0370	305022 Extra Fitting - Contractor Furnished	860.000 LBS				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0380	|305991 Pipe Water Main - Ductile Iron Special Item - LF -	| 40.000 LF	|	|	|	|
0390	|306004 Gate Butterfly Valve, 6 Inch	| 1.000 EACH	|	|	|	|
0400	|306008 Gate Butterfly Valve, 12 Inch	| 2.000 EACH	|	|	|	|
0410	|309991 Sewer Manhole Special Item - EACH -	| 3.000 EACH	|	|	|	|
0420	|313004 Abandon Sewer Manhole	| 1.000 EACH	|	|	|	|
0430	|314086 PVC Pipe, SDR 35, Gasket, 10 Inch	| 43.000 LF	|	|	|	|
0440	|314991 Sewer Pipe Special Item - LF -	| 72.000 LF	|	|	|	|
0450	|314991 Sewer Pipe Special Item - LF - DUCTILE IRON PIPE, 10 INCH SEWER	| 144.000 LF	|	|	|	|
0460	|324002 PCC In-Line Thrust Block	| 2.000 EACH	|	|	|	|
0470	400017 Asphalt Construction Special Item -TON - ASPHALT WATER PROOFING MIX SURFACE COURSE, 9.5 MM	 57.000 TON				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0480	402004 HMA Base Course, 25 mm	61.000 TON	.	.	.	.
0490	403002 Tack Coat	543.000 SY	.	.	.	.
0500	410002 Pavement Profiling (Milling)	200.000 SY	.	.	.	.
0510	600007 Incidental Construction Special Item - CY - 607025- TOP SOIL	26.000 CY	.	.	.	.
0520	600007 Incidental Construction Special Item - CY - RIPRAP ABUTMENT PROTECTION CLASS 1	207.000 CY	.	.	.	.
0530	600011 Incidental Construction Special Item - EACH - 608123 - LIVE CUTTINGS	90.000 EACH	.	.	.	.
0540	600011 Incidental Construction Special Item - EACH - 608125 - BARE ROOT SEEDLINGS	20.000 EACH	.	.	.	.
0550	600011 Incidental Construction Special Item - EACH - 608127 - HERBACEOUS GRASS PLUGS	20.000 EACH	.	.	.	.
0560	600017 Incidental Construction Special Item - LF - BOTTOM CUTOFF WALL	10.000 LF

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			DOLLARS	CTS	DOLLARS	CTS
0570	600019 Incidental Construction Special Item - LBS - 607003- SEED FOR VEGETATED GEO LIFT	2.000 LBS				
0580	|600027 Incidental Construction Special Item - SY - RIPRAP DITCH CLASS 1	187.000 SY				
0590	|600029 Incidental Construction Special Item - TON - 600031 - BOULDERS FOR VEGATATED LIFT	43.000 TON				
0600	|600029 Incidental Construction Special Item - TON - 600033 - BALLAST STONE FOR VEGETATE LIFT	84.000 TON				
0610	|603002 Type I: W-Beam (Standard Block-Out)	29.000 LF				
0620	|603010 Type IV: Thrie Beam (Standard-Block-Out)	75.000 LF				
0630	|603024 Guiderail Approach Terminal	1.000 EACH				
0640	603030 W Beam/Thrie Beam Transition Panel	4.000 EACH				
0650	603034 Thrie Beam Terminal Connector	4.000 EACH				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0660	603044 Remove W Beam/Thrie Beam Guiderail	191.000 LF	.	.	.	.
0670	605006 PCC Sidewalk, 4 Inch	11.000 SY	.	.	.	.
0680	606995 Curb, Gutter, & Paved Flume Special Item - LF -	22.000 LF	.	.	.	.
0690	607002 Seed	231.000 SY	.	.	.	.
0700	607032 Mulch	231.000 SY	.	.	.	.
0710	608022 Remove Tree 12 to 18 Inch Dia.	1.000 EACH	.	.	.	.
0720	608024 Remove Tree 18 to 24 Inch Dia.	3.000 EACH	.	.	.	.
0730	608158 Deciduous Tree 2-3" Cal, B &B 608159 - LIRIODENDRON TULIPIFERA - TULIP POPLAR	2.000 EACH	.	.	.	.
0740	608158 Deciduous Tree 2-3" Cal, B &B 608161 - NYSSA SYLVATICA - BLACK GUM	2.000 EACH	.	.	.	.
0750	608158 Deciduous Tree 2-3" Cal, B &B 608163 - QUERCUS BICOLOR - SWAMP WHITE OAK	2.000 EACH

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0760	608158 Deciduous Tree 2-3" Cal, B &B 608165 - BEULTA LENTA - SWEET BIRCH	2.000 EACH				
0770	608158 Deciduous Tree 2-3" Cal, B &B 608167 - CERCIS CANADENSIS - EASTERN REDBUD	2.000 EACH				
0780	608158 Deciduous Tree 2-3" Cal, B &B 608169 - CORNUS FLORIDA - AMERICAN DOGWOOD	2.000 EACH				
0790	608158 Deciduous Tree 2-3" Cal, B &B 608171 - AMELANCHIER ARBOREA - DOWNY SERVICEBERRY	2.000 EACH				
0800	612002 Maintenance of Highway Traffic	LUMP	LUMP			
0810	612054 Thermoplastic Pavement Marking, 4 Inch	261.000 LF				
0820	612064 Thermoplastic Pavement Marking, 12 Inch	23.000 LF				
0830	612068 Thermoplastic Pavement Letter	4.000 EACH				
0840	614376 F&I #6 Overhead Wire	150.000 LF				
0850	614626 F&I Wood Pole, 35 ft. Height or Less	1.000 EACH				

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			DOLLARS	CTS	DOLLARS	CTS
0860	614800 F&I 110 Watt Cobrahead LED Fixture complete with photocell	1.000 EACH				
0870	616022 Traffic Sign Panels	18.000 SF				
0880	618002 Erosion and Sediment Control	LUMP	LUMP			
0890	703008 PCC Superstructure SIDEWALK, CURB AND END POST	10.000 CY				
0900	704004 Epoxy Coated Reinforcement Bars	3500.000 LBS				
0910	705991 Prestressed PCC Unit Special Item - EACH - 705993 - EXTERIOR PRECAST DOUBLE T-BEAMS	2.000 EACH				
0920	705991 Prestressed PCC Unit Special Item - EACH - 705995 - INTERIOR PRECAST DOUBLE T-BEAMS	3.000 EACH				
0930	708993 Stone Masonry Special Item - CF - 708989 - SOLID CMU	30.000 CF				
0940	708993 Stone Masonry Special Item - CF - 708995 - CAPSTONE	7.000 CF				
0950	708993 Stone Masonry Special Item - CF - 708997 - SPLIT-FACE HOLLOW CMU	328.000 CF				

SCHEDULE OF ITEMS

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0960	708993 Stone Masonry Special Item - CF - 708999 - SPLIT-FACE FILLED CMU	162.000				
0970	709004 Steel Bridge Railing	71.000				
	SECTION 0001 TOTAL					
	TOTAL BID					

ATTACHMENT #2

Response to RFI for 27th Street Over Broad Branch Stream Pre-Bid Contractor Comments

Page	Document	Section	Comment/Question/Clarification	AECOM Response
			Scope of Work Item C019 Demolition, states for Demolition to be paid for by Item 205008 per CY and Salvage of Stone Abutments Item 205991 per CY. However these items do not exist in the Schedule of Items. Please clarify.	Item 205008 shall be paid per Lump Sum.
5 QN-1 of 1	Bid Forms Proposal Drawings	Pay Items Summary Of Quantities	Item 0470 description states "HMA Base Course, 25mm" Drawing states item to be Asphalt Waterproofing Mix Base Course, 25 mm	Item has been corrected to HMA Base Course, 25mm on QN-1.
QN-1 of 1	Proposal Drawings	Summary Of Quantities	Please confirm if topsoil is required. SOQ state the project contain 26 CY of topsoil. Please advise how this item will be measured and paid	Yes, top soil is required. Top soil is for disturbed areas in each quadrant where minor fills are shown. SP037 modifies the units from Acreage to Cubic Yards.
22	Special Provisions	C018.B-d.	Is the General Contractor responsible to perform additional testing of the Split Face Hollow Concrete Masonry Unit outside of that provided by the manufacturer?	Yes, testing shall be in accordance with ASTM C140-12.
S-4 of 18	Drawings Special Provisions	Elevation - Abutment A C018 C-6	Special provisions state that the first course of the wall facing shall be set level to grade. A thin leveling layer of fine aggregate up to 0.5 inches to level the first course. The detail shown for the abutments is greater than 0.5 inches. Please provide a detail as to how the leveling course shall be provided above the RSF.	Dwgs S-4 and S-5 have been modified
S-6 of 18	Drawings	Section A-A	The GRS-IBS calls for the top 3 rows of the CMU structure to have a concrete fill with reinforcing. Please provide a detail for this section.	Geotextile reinforcement may be cut to allow for reinforcement and concrete placement provided 85% of the CMU top surface is covered throughout each abutment.
S-7 of 18	Drawings	Section A-A	This detail shows the riprap to be 2 feet below the existing bedrock grade. To obtain this depth rock excavation is required. Please confirm if the detail is correct. If so, additional information is required on the type of rock and the removal methods allowed.	Detail is correct as shown. Rock excavation information may be found in the geotechnical report section 4.5. Excavation shall be performed according to Section 205.01.
S-7 of 18	Drawings Special Provisions	Section A-A C023	Drawings detail calls for Class I Riprap, but the special provisions state Riprap abutment protection class III, Item 60007. Please advise which is correct.	Riprap shall be type I.
			Please provide a detail for the 4" sidewalk transition	Sidewalk transitions are shown in Inset A&B on Sheet 8 as well as sheet 11.
13	Special Provisions	C018.B - 4	Please advise if the Capstone Item 0920 780 995 is a concrete masonry unit or stone	Capstone shall be CMU, meeting the requirements of the specification
S-11 of 18 S-16 of 18	Drawings	Section A-A Typical Section - Exterior Post and Curb Details	The detail shows the anchor bolts embedded into the precast deck. Please advise if this detail is correct.	Detail on S-11 shows embedded inserts for utility supports. Anchor plate and bolts shown on S-16 shall be embedded in the precast units.

Response to RFI for 27th Street Over Broad Branch Stream Pre-Bid Contractor Comments

Page	Document	Section	Comment/Question/Clarification	AECOM Response
			<p>Asphalt Waterproofing Mix per SP C025 requires a special mix design with the use of certain waterproofing mix additive. Considering the limited quantity of waterproofing asphalt the local asphalt mix suppliers will not provide such a mix due to substantial cost of developing the mix and production. Would DDOT specify an alternate waterproofing method normally used in other DDOT products?</p>	<p>An additive that will result in a compliant asphalt mix is commercially available. The asphalt mix as specified shall be used on this project. No alternates shall be permitted.</p>

ATTACHMENT # 3

Modifications to 27th St. over Broad Branch Stream Special Provisions

1A. Replace C018(D)-4. with:

Cap Stone, Item 708995 will be measured and paid for at the Contract unit price per Cubic Yard. Payment will include furnishing, cutting, setting, and all labor, materials, tools, equipment and incidentals necessary to complete the work.

1B. Replace C019(C)-1. with:

Demolition, Item 205008, will be measured and paid for at the Contract unit price per Lump Sum.

1C. Replace C023. with:

C023. RIPRAP ABUTMENT PROTECTION CLASS I, ITEM 600007

1D. Add to C018(B)-5:

b. For open-graded fills, compact each layer using a suitable compactor capable of compacting 8 inches of fill until there is no visible evidence of further compression. A minimum of four passes shall be applied per lift.

ATTACHMENT # 4

DATE	REV	PREP BY	DATE	SCALE
2	D.C.	FAV 16.08008	AK	20

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
DIVISION 000			
00000	EMPLOYEE TRAINING	1,500	HR
00008	RECORD STENOGRAPH WORK	1	LS
00005	IDENTIFY/REIDENTIFY	10	DAYS
00006	PARTICIPATION	1	LS
DIVISION 100			
100001	MOBILIZATION	1	LS
100004	PROGRESS PHOTOGRAPHS	1	LS
100006	BEYOND DRAWINGS AND AS-BUILT DRAWINGS	1	LS
100012	EMPLOYEES FIELD FACILITY	1	LS
DIVISION 200			
200023	EARTHWORK AND EXCAVATION		
200025	COOR-MATING	160	SY
200025	MULTI FABRIC	870	SY
200027	GEORND FOR VEGETATED LIFT	575	SY
200029	GRAVELLABLE REINFORCEMENT	1,540	SY
200032	CLAY AND GEBL	1	LS
200042	COMMON EXCAVATION	100	CY
200044	BACKFILL EMBANKMENT FILL	40	CY
200047	STRUCTURE EXCAVATION	255	CY
200048	EXCAVATION	1	LS
200049	STRUCTURE HAND SURFACE EXCAVATION	80	CY
200091	SAVAGE EXISTING ABUTMENT STONE	10	CY
200092	STRUCTURE BACKFILL	245	CY
200099	REINFORCED BACKFILL OF VEGETATED LIFT	106	CY
200102	TRENCH BACKFILLING EXCAVATION	295	CY
200104	TRENCH UNDERCUT EXCAVATION	102	CY
200106	BAVEL FOR TRENCH UNDERCUT	102	CY
200108	BOMBAY TRENCH BACKFILL	278	CY
200002	PEDESTAL FILL	48	CY
200002	AGGREGATE BASE COURSE	92	CY
DIVISION 300 - WALLS AND SEWER CONCRETE - 6-18" DC W/16" FOOT C&G DIMS			
300001	CONCRETE ENCASEMENT OF 33 INCH DUCTILE IRON PIPE	2	CY
300009	20" STEEL CASING PIPE	89	LF
300013	UTILITY VERTICAL SUPPORT STEEL	8	EA
300025	UTILITY HORIZONTAL SUPPORT STEEL	4	EA
300027	16" IRON PIPE	1	EA
300002	VALVE CASING	4	EA
300002	ABANDON VALVE CASING	3	EA
300010	DUCTILE IRON PIPE, 12 INCH - WATER MAIN	182	LF
300002	BARNA FITTING - CONTRACTOR PROVIDED	800	LB
300001	PNEUMATICALLY APPLIED 12 INCH - WATER MAIN	40	LF
300004	GATE BUTTERFLY VALVE, 6 INCH	1	EA
300008	GATE BUTTERFLY VALVE, 12 INCH	1	EA
300001	48" SEWER MANHOLE	1	EA
310004	ABANDON SEWER MANHOLE	1	EA
314000	PVC PIPE, 18" I.D. 35' GASKET, 10 INCH	43	LF
314001	DUCTILE IRON PIPE, 18 INCH - SEWER MAIN	144	LF
314002	PCC 84-LIN THURST BLOCK	2	EA
DIVISION 400 - ASPHALT CONSTRUCTION			
400017	ASPHALT WATERPROOFING MAX SURFACE COURSE, 9.5MM	57	TON
400018	BASE COURSE, 75MM	51	TON
400020	TACK COAT	510	SY
410002	PAVEMENT PREPARING (MILLING)	200	SY

ITEM	DESCRIPTION	QUANTITY	UNIT
DIVISION 500 - INCIDENTAL CONSTRUCTION			
500007	WRAP ABUTMENT PROTECTION CLASS M	207	CY
500017	BOTTOM CUTOFF WALL	10	LF
500027	WRAP - FISH CLASS	187	SY
500031	SOILLESS FLOW VEGETATED LIFT	43	SY
500033	BALLAST ZONE FOR VEGETATED LIFT	81	TM
500042	W BEAM CIRCULAR - WEATHERING STEEL	29	LF
500010	TREX BEAM GUERMAN - WEATHERING STEEL	75	LF
500014	TRUSSAL APPROXIMATE TRUSSAL	5	EA
500040	W BEAM TRUSSAL EXAM TRANSITION PANEL	4	EA
500044	TREX BEAM TRUSSAL CONNECTION - WEATHERING STEEL	4	EA
500046	REMOVE W BEAM TRUSSAL BEAM GUERMAN	101	LF
500006	PCC JOINTS/SEALS 4 INCH - TRANSITION SLAB	11	LF
500003	PCC CURA, VARIANTE DITEN	12	LF
500002	SEED	521	SY
500000	SEED FOR VEGETATED ZONIFY	2	LB
500025	TRIPOLI	26	CY
500025	LIFT CH	231	SY
500023	REMOVE TREE 12 TO 18 INCH DIAMETER	1	EA
500024	REMOVE TREE 18 TO 24 INCH DIAMETER	3	EA
500023	EDGE CUTTING	80	EA
500023	BEAR FOOT STEELINGS	20	EA
500027	HEXAGONAL GRASS PLANTS	20	EA
500014	UNCOMMON TRIPPERA - TILIP POPAAN	2	EA
500016	NYSSA PSEUDATA - BLACK GRAM	2	EA
500010	GERARDUS INCOLOR - SWAMP WHITE GRASS	2	EA
500016	NEPHELA LENTA - STREET BIRCH	2	EA
500017	CYRUS DANDELION - EASTERN REDBUD	2	EA
500018	COBURN FLORIDA - AMERICAN DOGWOOD	2	EA
500017	AMELANCHIER ALABAMA - DOWNY SPURGEWORT	2	EA
500002	MAINTENANCE OF HIGHWAY TRAFFIC	5	LF
520054	TRIGRAMPLASTIC PAVEMENT MARKING, 4 INCH	203	LF
520064	TRIGRAMPLASTIC PAVEMENT MARKING, 12 INCH	23	LF
520008	TRIGRAMPLASTIC PAVEMENT LETTER	4	EA
524076	16" WOOD SHIP WITH	350	LF
524004	16" WOOD POLE, 45 FT, HENRY GR LESS	1	EA
524000	16" WOOD POLE, 45 FT, HENRY GR LESS	1	EA
524002	TRANSPIRANT PANELS	18	SF
510002	EROSION AND SEDIMENT CONTROL	1	LF
DIVISION 700 - STRUCTURES			
700008	PCC SUPERSTRUCTURE	10	CY
700004	EPoxy COATED REINFORCEMENT BARS	8300	LS
700005	EXTENSION PRECAST DOUBLE T-BEAMS	2	EA
700005	EXTENSION PRECAST DOUBLE T-BEAMS	8	EA
700009	SOIL CHM	80	CY
700005	CAPSTONE	7	CF
700007	SPUR-FACE BOLLARD CHM	328	CF
700009	SPUR-FACE FILLER CHM	182	CF
700004	STEEL BRIDGE RAILING	71	LF

Q1-1 OF 1

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

REPLACEMENT OF 27TH STREET, NW
 BRIDGE OVER BROAD BRANCH STREAM

SUMMARY OF QUANTITIES

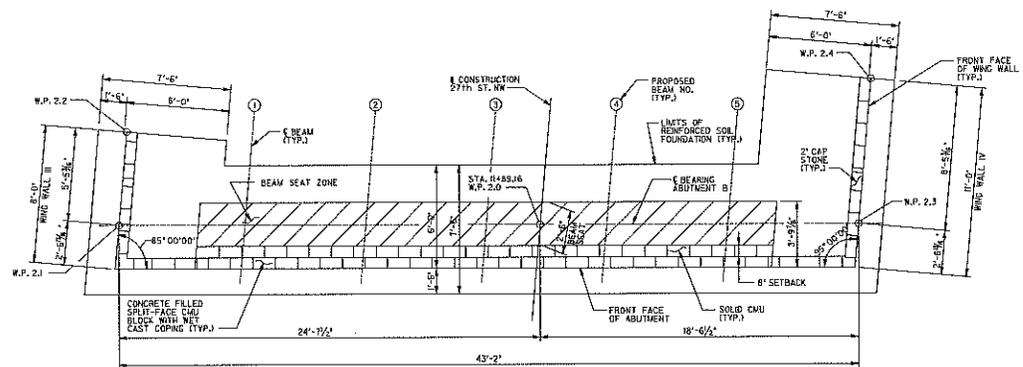
PROJECT NO. A-1
 DRAWING NO. B-1
 SHEET NO. 20
 PROJECT DATE
 DRAWN BY
 DATE
 CHECK BY



AECOM
 2101 Wilson Boulevard, 9th Floor
 Arlington, Virginia 22201
 703-340-8100

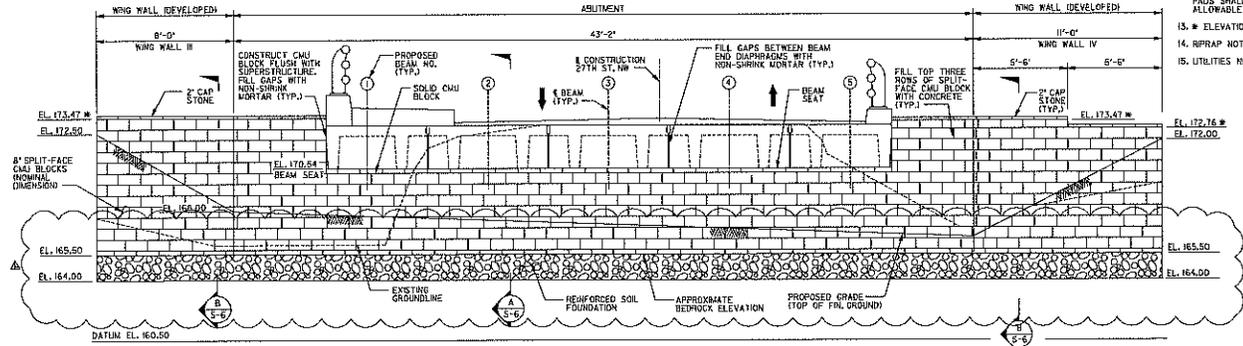
NO.	REVISION	DATE
1	ISSUED FOR CONSTRUCTION	
2	REVISED	

DATE	BY	CHKD	APP'D
11/14/00	J.M.	J.M.	J.M.



PLAN - ABUTMENT B
SCALE: 3/8" = 1'-0"

- NOTES:
- FOR GENERAL NOTES, SEE DRAWING NO. 04-1.
 - FOR BRIDGE PLAN AND ELEVATION, SEE DRAWING NO. S-1.
 - FOR GEOMETRIC LAYOUT, SEE DRAWING NO. S-3.
 - FOR ABUTMENT A PLAN AND ELEVATION, SEE DRAWING NO. S-4.
 - FOR SECTIONS A-A AND B-B, SEE DRAWING NO. S-6.
 - FOR ABUTMENT RRAP LAYOUT PLAN, SEE DRAWING NO. S-7.
 - FOR PROPOSED BRIDGE TYPICAL SECTION, SEE DRAWING NO. S-2.
 - THE REINFORCED SOIL FOUNDATION SHALL BE PLACED ON COMPETENT BEDROCK. SEE BORINGS FOR ADDITIONAL INFORMATION.
 - FOR SPLIT-FACE CMU ARCHITECTURAL DETAILS, SEE SPECIAL PROVISIONS.
 - DURING CONSTRUCTION, NO STOCKPILE MATERIAL SHALL BE PLACED WITHIN 3'-0" OF THE FRONT FACE OF THE ABUTMENT OR WING WALLS.
 - FOR SUPERSTRUCTURE ERECTION, CRANE MAY BE PLACED WITHIN THE LIMITS OF THE GRS ABUTMENT PROVIDED THAT OUTRIGGER PADS ARE USED AND ARE SET NO CLOSER THAN 3'-0" WITHIN THE FRONT FACE OF THE ABUTMENT AND WING WALLS. OUTRIGGER PADS SHALL BE SIZED FOR AN UNFACTORED ALLOWABLE BEARING PRESSURE OF 4000 PSF.
 - ELEVATION IS AT TOP OF SPLIT-FACE CMU BLOCK.
 - RRAP NOT SHOWN FOR CLARITY.
 - UTILITIES NOT SHOWN FOR CLARITY.



ELEVATION - ABUTMENT B
SCALE: 3/8" = 1'-0"

S-6 OF 18

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

REPLACEMENT OF 27TH STREET, NW
BRIDGE OVER BROAD BRANCH STREAM

ABUTMENT B - PLAN AND ELEVATION

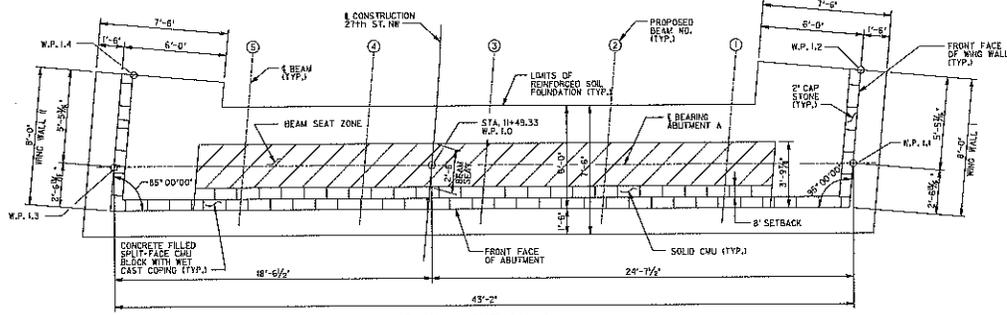
PROJECT NO.	001
DESIGNED BY	J.M.
CHECKED BY	J.M.
APPROVED BY	J.M.
DATE	11/14/00



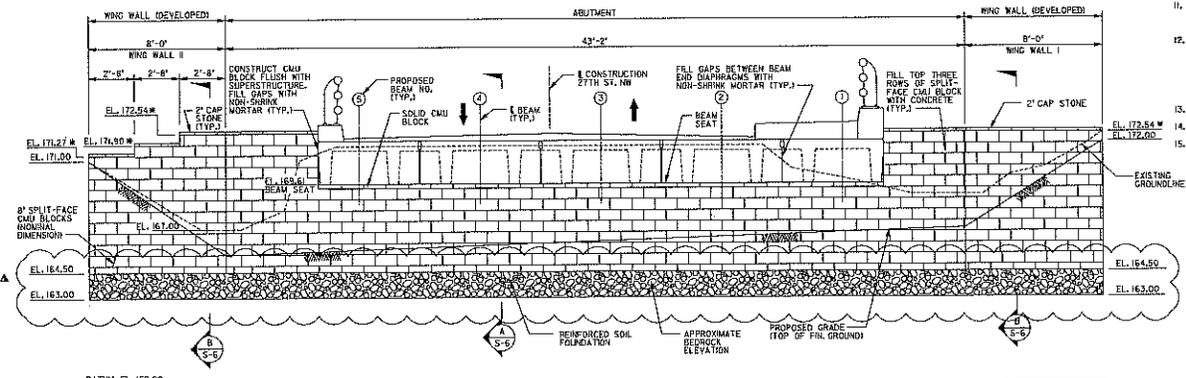
AECOM
2101 Wilson Boulevard, 9th Floor
Arlington, Virginia 22201
703-340-3900

NO.	REVISION	DATE
1	REVISED REVISIONS	NAME DATE

NO.	DATE	BY	CHKD.	APP'D.
1				
2				



- NOTES:
- FOR GENERAL NOTES, SEE DRAWING NO. G-1.
 - FOR BRIDGE PLAN AND ELEVATION, SEE DRAWING NO. S-1.
 - FOR GEOMETRIC LAYOUT, SEE DRAWING NO. S-3.
 - FOR ABUTMENT B PLAN AND ELEVATION, SEE DRAWING NO. S-5.
 - FOR SECTIONS A-A AND B-B, SEE DRAWING NO. S-6.
 - FOR ABUTMENT RIPRAP LAYOUT PLAN, SEE DRAWING NO. S-7.
 - FOR PROPOSED BRIDGE TYPICAL SECTION, SEE DRAWING NO. S-2.
 - THE REINFORCED SOIL FOUNDATION FACTORED BEARING RESISTANCE IS 10,000 PSF.
 - REINFORCED SOIL FOUNDATION SHALL BE PLACED ON COMPACTED BEDROCK. SEE BORINGS FOR ADDITIONAL INFORMATION.
 - FOR SPLIT-FACE CMU ARCHITECTURAL DETAILS, SEE SPECIAL PROVISIONS.
 - DURING CONSTRUCTION, NO STOCKPILE MATERIAL SHALL BE PLACED WITHIN 3'-0" OF THE FRONT FACE OF THE ABUTMENT OR WING WALLS.
 - FOR SUPERSTRUCTURE ERECTION, CRANE MAY BE PLACED WITHIN THE LIMITS OF THE ORS ABUTMENT PROVIDED THAT OUTRIGGER PADS ARE USED AND ARE SET NO CLOSER THAN 3'-0" WITHIN THE FRONT FACE OF THE ABUTMENT AND WING WALLS. OUTRIGGER PADS SHALL BE SIZED FOR AN UNFACTORED ALLOWABLE BEARING PRESSURE OF 4000 PSF.
 - * ELEVATION IS AT TOP OF SPLIT-FACE CMU BLOCK.
 - RIPRAP NOT SHOWN FOR CLARITY.
 - UTILITIES NOT SHOWN FOR CLARITY.



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

REPLACEMENT OF 27TH STREET, NW
BRIDGE OVER BROAD BRANCH STREAM

ABUTMENT A - PLAN AND ELEVATION

NO.	REVISION	DATE



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M.L.C.