

SECTION B: SUPPLIES OR SERVICES AND PRICE

B.1 The Government of the District of Columbia (District), Office of Contracting and Procurement, on behalf of the District Department of Transportation (DDOT), Infrastructure Project Management Administration (IPMA) is seeking a Contractor to rehabilitate alleys, city-wide at various locations within the District of Columbia. The work shall meet the requirements of the Department of Transportation Standard specifications for Highways and Structures, 2009. All work shall be performed within the existing right-of-way.

B.1.1 The District Government contemplates award of a requirements contract with payment based on (1) fixed unit prices, (2) firm fixed prices and (3) cost reimbursements-Fixed and Cost items. Pay item numbers: 612002, 108 002, 616001, 625002 are items with firm fixed prices. Pay item number 618999 is a cost-reimbursement item with a cost reimbursement ceiling set forth in the column captioned "Extension Total Price." The remainder of the pay item numbers are fixed unit prices.

B.1.2 The District will award one contract.

B.2 REQUIREMENTS

B.2.1 The estimated quantities stated herein reflect the best estimates available. The estimate shall not be construed as representation that the estimated quantity will be required or ordered, or that conditions affecting requirements will be stable. They shall not be construed to limit the quantities which may ordered from the Contractor by the District or to relieve the Contractor of its obligation to fill all such orders.

B.2.2 Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering Clause, G.4. There is no limit on the number of orders that may be issued. The District may issue orders requiring delivery to multiple destinations or performance at multiple locations. If the District urgently requires delivery before the earliest date that delivery may be specified under this contract, and if the contractor rejects an order providing for the accelerated delivery, the District may require the urgently required goods or services from another source. The contractor may be entitled to an equitable adjustment of price of the remainder of the work if the District orders performance from another vendor

B.2.3 Any order for repair or replacement issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and District's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided that the contractor shall not be required to make any deliveries under this contract after date of award.

B.3 PRICE SCHEDULE-FIRM FIXED PRICE, FIXED UNIT PRICE, COST-REIMBURSEMENT (as noted in Section B.1.1)

B.3.1 BASE YEAR

Contract Line Item No. (CLIN)	Item Description	Quantity (Approximate)	Bid Price	Extension Total Price
CLIN 0001 #108 002	Progress Photographs	1 LS		
CLIN 0002 Pay item: #202002	Common Excavation	14,000.00 CY		
CLIN 0003 Pay item: #206004	Borrow Structure Backfill	75 CY		
CLIN 0004 Pay item: #209002	Aggregate Base Course	3000 CY		
CLIN 0005 Pay item: #308024	Adjust water Meter Frame	50 Each		
CLIN 0006 Pay item: #308026	Reset Water Meter Unit	20 Each		
CLIN 0007 Pay item: #308028	Adjust Curb Cock Box	75 Each		
CLIN 0008 Pay item: #308032	Reset Curb Cock Unit	25 Each		
CLIN 0009 Pay item: #310008	Basin Connect PCC Pipe, Class III, 15 inch	100 LF		

CLIN 0010 Pay item: #310010	Basin Connect PCC Pipe, Class III, 18 inch	100 SY		
CLIN 0011 Pay item: #311002	Adjust sewer water Utility Manhole Frame	10 Each		
CLIN 0012 Pay item: #311004	Reset sewer Water Utility Manhole Frame	10 Each		
CLIN 0013 Pay item: #311010	Adjust Standard Basin Top	10 Each		
CLIN 0014 Pay item: #311016	Furnish Sewer- Water Manhole Frame	10 Each		
CLIN 0015 Pay item: #311018	Furnish Basin Top	10 Each		
CLIN 0016 Pay item: #311024	Rebuild Std. Basin	5 CY		
CLIN 0017 Pay item: #311026	Repalce exisiting Basin with Double Basin	5 Each		
CLIN 0018 Pay item: #311030	Repalce exisiting Basin with Double Type S Basin	5 Each		
CLIN 0019 Pay item: #310016	Type S Basin	6 Each		
CLIN 0020 Pay item: #310018	Double Type S Basin	3 Each		
CLIN 0021 Pay item: #311991	SPECIAL ITEM: Adjst, rebuild, & re place manhole & catch basin-CLEAN SEWER STRUCTURE, continued- CLEAN SEWER STRUCTURE, item 311063	10 each		
CLIN 0021 Pay item: #311991				

CLIN 0022 Pay item: #312004	REPLACE CONICAL SHAPED WATER VALVE CASING	5 Each		
CLIN 0023 Pay item: #313002	Abandon Basin Connecting Pipe	5 Each		
CLIN 0024 Pay item: #313004	Abandon Sewer Manhole	5 Each		
CLIN 0025 Pay item: #313006	Abandon Basin	5 Each		
CLIN 0026 Pay item: #402002	Superpave Base Course, 19 mm	500 Ton		
CLIN 0027 Pay item: #402010	Superpave Surface Course, 9.5 mm	2000 Ton		
CLIN 0028 Pay item: #407002	Temporary AC, Superpave Surface Course, 12.5 mm	500 Ton		
CLIN 0029 Pay item: #403002	Tack Coat	10,000 SY		
CLIN 0030 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE STAMPING, Item 405 015	2000.00 SY		

CLIN 0031 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE COATING, Item 405 017	2000.00 SY		
CLIN 0032 Pay item: #501014	Extra Welded Wire Fabric, Style 66-46	300 SY		
CLIN 0033 Pay item: #502002	PCC Base REINFORCED	1200.00 CY		
CLIN 0034 Pay item: #503002	Reinforced PCC Alley, 6 inch	3000.00SY		
CLIN 0035 Pay item: #503006	Reinforced PCC Alley, 8 inch	12000.00 SY		
CLIN 0036 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BLOCK ALLEY ON PCC BASE, Item 506053	100 CY		
CLIN 0037 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE COBBLESTONE ALLEY ON PCC BASE, Item 506055	100 CY		

CLIN 0038 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item REINFORCED PCC ALLEY, 10'	2500.00 SY		
CLIN 0039 Pay item: #505026	Welded Wire Fabric for Repair, Style 66-46	2000 SY		
CLIN 0040 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BRICK ALLEY, Item 506 051	100.00 CY		
CLIN 0041 Pay item: #504002	PCC Driveway- Alley Entrance	500 CY		
CLIN 0042 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE DRIVEWAY WITH BRICK ON PCC BASE, Item 506 009	500 CY		
CLIN 0043 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE REINFORCED PCC ALLEY, Item 506 007	50CY		
CLIN 0044 Pay item: #505030	Anchor Bolts- Paving	100.00 Each		

CLIN 0045 Pay item: #506004	Repair PCC Base	100 CY		
CLIN 0046 Pay item: #506008	Repair PCC Driveway-Alley entrance	100 CY		
CLIN 0047 Pay item: #602002	PCC Footing (Minor)	10 CY		
CLIN 0048 Pay item: #602004	Property Wall	15 CY		
CLIN 0049 Pay item: #602008	PCC Steps	10 CY		
CLIN 0050 Pay item: #602010	Standard PCC Coping	15 CY		
CLIN 0051 Pay item: #602991	Minor Structures Special Item CY Repair/ Replace PCC Wall, Steps, Coping, Item 602 025	25 CY		
CLIN 0052 Pay item: #603002	Underdrain Pipe, 4 inch	500 LF		

CLIN 0053 Pay item: #603004	Underdrain Pipe, 6 inch	500 LF		
CLIN 0054 Pay item: #603006	Underdrain Pipe, 8 inch	50 LF		
CLIN 0055 Pay item: #603010	Underdrain Pipe, 4 inch	50 LF		
CLIN 0056 Pay item: #603012	Underdrain Pipe, 6 inch	50 LF		
CLIN 0057 Pay item: #603014	Underdrain Pipe, 8 inch	50 LF		
CLIN 0058 Pay item: #607991	Misc. Fencing Special Item- LF Repair/ Replace Chain Link Fence & Gate, Item 607 007	500 LF		
CLIN 0059 Pay item: #608016	Repair-Replace PCC Sidewalk, 4 inch	500 SY		
CLIN 0060 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503017	1000.00 SY		

CLIN 0061 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET ASPHALT BLOCK, Item 503021	500 SY		
CLIN 0062 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET BRICK PAVERS, Item 503023	500 SY		
CLIN 0063 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET COBBLESTONE PAVERS, Item 503025	500 SY		
CLIN 0064 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503015	5,500.00 SY		
CLIN 0065 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET COBBLESTONE PAVERS, Item 503019	1,000.00 SY		
CLIN 0066 Pay item: #608032	Brick Sidewalk Repair on PCC Base	200 SY		
CLIN 0067 Pay item: #609050	Repair-Replace PCC Curb and/or Gutter	50 CY		

CLIN 0068 Pay item: #609052	Repair-Replace PCC Circular Curb and/or Gutter	75 CY		
CLIN 0069 Pay item: #609086	Reset Stone Curb	250.00 LF		
CLIN 0070 Pay item: #609088	Adjust Stone Curb	250.00 LF		
CLIN 0071 Pay item: #609100	AC Curb	250.00 LF		
CLIN 0072 Pay item: #609994	Curb, Gutter & Paved Flume Special Item- EACH- DETECTABLE WARNING PAVERS, Item 609 201	24 Each		
CLIN 0073 Pay item: #609202	PCC Wheel/ Bicycle Ramp- Exisiting Construction	24 Each		
CLIN 0074 Pay item: #609500	Brick Gutter	100 LF		
CLIN 0075 Pay item: #610018	Sod with 3 inch Topsoil	500.00 SY		

CLIN 0076 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP < 18"	10 Each		
CLIN 0077 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP > 18"	10 Each		
CLIN 0078 Pay item: #611076	STEEL EDGING	1000.00 LF		
CLIN 0079 Pay item: #612002	Mobilization	1.00 LS		
CLIN 0080 Pay item: #615004	Three-Ply Membrane Waterproofing	50.00 SY		
CLIN 0081 Pay item: #616001	Maintenance of Highway Traffic	1.00 LS		
CLIN 0082 Pay item: #618992	Electric Work Special Item- EACH- LED LUMINAIRE, Item 618115	25 Each		
CLIN 0083 Pay item: #625002	Field Layout	1.00 LS		

CLIN 0084 Pay item: #704002	Reinforcing Steel	200 lbs.		
CLIN 0085 Pay item: #709002	STEEL RAILING	100.00 LF		
CLIN 0086 Pay item: #616122	Steel Protection Plate	5.00 Each		
CLIN 0087 Pay item: #618072	Furnish and Install 1-2" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0088 Pay item: #618100	Furnish and Install 1-4" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0089 Pay item: #618172	Clean and Rod Existing Conduit	2500.00 LF		
CLIN 0090 Pay item: #618178	Repair of Existing Underground Conduit	1000.00 LF		
CLIN 0091 Pay item: #618190	Furnish and Install #10 Stranded Wire	20,000.00 LF		

CLIN 0092 Pay item: #618196	Furnish and Install #8 Stranded Wire	15,000.00 LF		
CLIN 0093 Pay item: #618196	Furnish and Install #6 Stranded Wire	10,000.00 LF		
CLIN 0094 Pay item: #618356	Furnish and Install #6 Tri-Plex Overhead Cable	3,500.00 LF		
CLIN 0095 Pay item: #618608	Furnish and Install 5A Alley Pole with Arm	2.00 Each		
CLIN 0096 Pay item: #618624	Furnish and Install Wood Pole, 35 ft. Height or Less	5.00 Each		
CLIN 0097 Pay item: #618662	Furnish and Install Wood Pole, 3 ft. Arm on Wood Pole	5.00 Each		
CLIN 0098 Pay item: #618728	Install D.C. Furnished 70 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0099 Pay item: #618730	Furnish and Install 100 Watt HPS Cutoff Luminaire	20 Each		

CLIN 0100 Pay item: #618742	Furnish and Install 150 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0101 Pay item: #618896	Furnish and Install 1" PVC Rigid U- Guard on Wood Pole	25 LF		
CLIN 0102 Pay item: #618999	Payment to PEPCO for connection and disconnection of service to streetlights and traffic signals COST REIMBURSABLE NOT TO EXCEED CEILING AMOUNT, 618 999	1.0 LS		
Grand Total for B.3.1				

B.3.2 OPTION YEAR 1

Contract Line Item No. (CLIN)	Item Description	Quantity (Approximate)	Bid Price	Extension Total Price
CLIN 0001 # 108 002	Progress Photographs	1 LS		
CLIN 0002 Pay item: #202002	Common Excavation	14,000.00 CY		
CLIN 0003 Pay item: #206004	Borrow Structure Backfill	75 CY		
CLIN 0004 Pay item: #209002	Aggregate Base Course	3000 CY		
CLIN 0005 Pay item: #308024	Adjust water Meter Frame	50 Each		
CLIN 0006 Pay item: #308026	Reset Water Meter Unit	20 Each		
CLIN 0007 Pay item: #308028	Adjust Curb Cock Box	75 Each		
CLIN 0008 Pay item: #308032	Reset Curb Cock Unit	25 Each		
CLIN 0009 Pay item: #310008	Basin Connect PCC Pipe, Class III, 15 inch	100 LF		
CLIN 0010 Pay item: #310010	Basin Connect PCC Pipe, Class III, 18 inch	100 SY		

CLIN 0011 Pay item: #311002	Adjust sewer water Utility Manhole Frame	10 Each		
CLIN 0012 Pay item: #311004	Reset sewer Water Utility Manhole Frame	10 Each		
CLIN 0013 Pay item: #311010	Adjust Standard Basin Top	10 Each		
CLIN 0014 Pay item: #311016	Furnish Sewer- Water Manhole Frame	10 Each		
CLIN 0015 Pay item: #311018	Furnish Basin Top	10 Each		
CLIN 0016 Pay item: #311024	Rebuild Std. Basin	5 CY		
CLIN 0017 Pay item: #311026	Repalce exisiting Basin with Double Basin	5 Each		
CLIN 0018 Pay item: #311030	Repalce exisiting Basin with Double Type S Basin	5 Each		
CLIN 0019 Pay item: #310016	Type S Basin	6 Each		
CLIN 0020 Pay item: #310018	Double Type S Basin	3 Each		
CLIN 0021 Pay item: #311991	SPECIAL ITEM: Adjsut, rebuild, & re place manhole & catch basin-CLEAN SEWER STRUCTURE, continued- CLEAN SEWER STRUCTURE, item 311063	10 each		
CLIN 0022 Pay item: #312004	REPLACE CONICAL SHAPED WATER VALVE CASING	5 Each		

CLIN 0023 Pay item: #313002	Abandon Basin Connecting Pipe	5 Each		
CLIN 0024 Pay item: #313004	Abandon Sewer Manhole	5 Each		
CLIN 0025 Pay item: #313006	Abandon Basin	5 Each		
CLIN 0026 Pay item: #402002	Superpave Base Course, 19 mm	500 Ton		
CLIN 0027 Pay item: #402010	Superpave Surface Course, 9.5 mm	2000 Ton		
CLIN 0028 Pay item: #407002	Temporary AC, Superpave Surface Course, 12.5 mm	500 Ton		
CLIN 0029 Pay item: #403002	Tack Coat	10,000 SY		
CLIN 0030 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE STAMPING, Item 405 015	2000.00 SY		
CLIN 0031 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE COATING, Item 405 017	2000.00 SY		

CLIN 0032 Pay item: #501014	Extra Welded Wire Fabric, Style 66-46	300 SY		
CLIN 0033 Pay item: #502002	PCC Base REINFORCED	1200.00 CY		
CLIN 0034 Pay item: #503002	Reinforced PCC Alley, 6 inch	3000.00SY		
CLIN 0035 Pay item: #503006	Reinforced PCC Alley, 8 inch	12000.00 SY		
CLIN 0036 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BLOCK ALLEY ON PCC BASE, Item 506053	100 CY		
CLIN 0037 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE COBBLESTONE ALLEY ON PCC BASE, Item 506055	100 CY		
CLIN 0038 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item REINFORCED PCC ALLEY, 10'	2500.00 SY		

CLIN 0039 Pay item: #505026	Welded Wire Fabric for Repair, Style 66-46	2000 SY		
CLIN 0040 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BRICK ALLEY, Item 506 051	100.00 CY		
CLIN 0041 Pay item: #504002	PCC Driveway- Alley Entrance	500 CY		
CLIN 0042 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE DRIVEWAY WITH BRICK ON PCC BASE, Item 506 009	500 CY		
CLIN 0043 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE REINFORCED PCC ALLEY, Item 506 007	50CY		
CLIN 0044 Pay item: #505030	Anchor Bolts- Paving	100.00 Each		
CLIN 0045 Pay item: #506004	Repair PCC Base	100 CY		

CLIN 0046 Pay item: #506008	Repair PCC Driveway-Alley entrance	100 CY		
CLIN 0047 Pay item: #602002	PCC Footing (Minor)	10 CY		
CLIN 0048 Pay item: #602004	Property Wall	15 CY		
CLIN 0049 Pay item: #602008	PCC Steps	10 CY		
CLIN 0050 Pay item: #602010	Standard PCC Coping	15 CY		
CLIN 0051 Pay item: #602991	Minor Structures Special Item CY Repair/ Replace PCC Wall, Steps, Coping, Item 602 025	25 CY		
CLIN 0052 Pay item: #603002	Underdrain Pipe, 4 inch	500 LF		
CLIN 0053 Pay item: #603004	Underdrain Pipe, 6 inch	500 LF		

CLIN 0054 Pay item: #603006	Underdrain Pipe, 8 inch	50 LF		
CLIN 0055 Pay item: #603010	Underdrain Pipe, 4 inch	50 LF		
CLIN 0056 Pay item: #603012	Underdrain Pipe, 6 inch	50 LF		
CLIN 0057 Pay item: #603014	Underdrain Pipe, 8 inch	50 LF		
CLIN 0058 Pay item: #607991	Misc. Fencing Special Item- LF Repair/ Replace Chain Link Fence & Gate, Item 607 007	500 LF		
CLIN 0059 Pay item: #608016	Repair-Replace PCC Sidewalk, 4 inch	500 SY		
CLIN 0060 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503017	1000.00 SY		
CLIN 0061 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET ASPHALT BLOCK, Item 503021	500 SY		

CLIN 0062 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET BRICK PAVERS, Item 503023	500 SY		
CLIN 0063 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET COBBLESTONE PAVERS, Item 503025	500 SY		
CLIN 0064 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503015	5,500.00 SY		
CLIN 0065 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET COBBLESTONE PAVERS, Item 503019	1,000.00 SY		
CLIN 0066 Pay item: #608032	Brick Sidewalk Repair on PCC Base	200 SY		
CLIN 0067 Pay item: #609050	Repair-Replace PCC Curb and/or Gutter	50 CY		
CLIN 0068 Pay item: #609052	Repair-Replace PCC Circular Curb and/or Gutter	75 CY		

CLIN 0069 Pay item: #609086	Reset Stone Curb	250.00 LF		
CLIN 0070 Pay item: #609088	Adjust Stone Curb	250.00 LF		
CLIN 0071 Pay item: #609100	AC Curb	250.00 LF		
CLIN 0072 Pay item: #609994	Curb, Gutter & Paved Flume Special Item- EACH- DETECTABLE WARNING PAVERS, Item 609 201	24 Each		
CLIN 0073 Pay item: #609202	PCC Wheel/ Bicycle Ramp- Existing Construction	24 Each		
CLIN 0074 Pay item: #609500	Brick Gutter	100 LF		
CLIN 0075 Pay item: #610018	Sod with 3 inch Topsoil	500.00 SY		
CLIN 0076 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP < 18"	10 Each		

CLIN 0077 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP > 18"	10 Each		
CLIN 0078 Pay item: #611076	STEEL EDGING	1000.00 LF		
CLIN 0079 Pay item: #612002	Mobilization	1.00 LS		
CLIN 0080 Pay item: #615004	Three-Ply Membrane Waterproofing	50.00 SY		
CLIN 0081 Pay item: #616001	Maintenance of Highway Traffic	1.00 LS		
CLIN 0082 Pay item: #618992	Electric Work Special Item- EACH- LED LUMINAIRE, Item 618115	25 Each		
CLIN 0083 Pay item: #625002	Field Layout	1.00 LS		
CLIN 0084 Pay item: #704002	Reinforcing Steel	200 lbs.		

CLIN 0085 Pay item: #709002	STEEL RAILING	100.00 LF		
CLIN 0086 Pay item: #616122	Steel Protection Plate	5.00 Each		
CLIN 0087 Pay item: #618072	Furnish and Install 1-2" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0088 Pay item: #618100	Furnish and Install 1-4" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0089 Pay item: #618172	Clean and Rod Existing Conduit	2500.00 LF		
CLIN 0090 Pay item: #618178	Repair of Existing Underground Conduit	1000.00 LF		
CLIN 0091 Pay item: #618190	Furnish and Install #10 Stranded Wire	20,000.00 LF		
CLIN 0092 Pay item: #618196	Furnish and Install #8 Stranded Wire	15,000.00 LF		

CLIN 0093 Pay item: #618196	Furnish and Install #6 Stranded Wire	10,000.00 LF		
CLIN 0094 Pay item: #618356	Furnish and Install #6 Tri-Plex Overhead Cable	3,500.00 LF		
CLIN 0095 Pay item: #618608	Furnish and Install 5A Alley Pole with Arm	2.00 Each		
CLIN 0096 Pay item: #618624	Furnish and Install Wood Pole, 35 ft. Height or Less	5.00 Each		
CLIN 0097 Pay item: #618662	Furnish and Install Wood Pole, 3 ft. Arm on Wood Pole	5.00 Each		
CLIN 0098 Pay item: #618728	Install D.C. Furnished 70 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0099 Pay item: #618730	Furnish and Install 100 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0100 Pay item: #618742	Furnish and Install 150 Watt HPS Cutoff Luminaire	20 Each		

CLIN 0101 Pay item: #618896	Furnish and Install 1" PVC Rigid U- Guard on Wood Pole	25 LF		
CLIN 0102 Pay item: #618999	Payment to PEPCO for connection and disconnection of service to streetlights and traffic signals COST REIMBURSABLE NOT TO EXCEED CEILING AMOUNT, 618 999	1.0 LS		
Grand Total for B.3.2				

B.3.3 OPTION YEAR 2

Contract Line Item No. (CLIN)	Item Description	Quantity (Approximate)	Bid Price	Extension Total Price
CLIN 0001 #108 002	Progress Photographs	1 LS		
CLIN 0002 Pay item: #202002	Common Excavation	14,000.00 CY		
CLIN 0003 Pay item: #206004	Borrow Structure Backfill	75 CY		
CLIN 0004 Pay item: #209002	Aggregate Base Course	3000 CY		
CLIN 0005 Pay item: #308024	Adjust water Meter Frame	50 Each		
CLIN 0006 Pay item: #308026	Reset Water Meter Unit	20 Each		
CLIN 0007 Pay item: #308028	Adjust Curb Cock Box	75 Each		
CLIN 0008 Pay item: #308032	Reset Curb Cock Unit	25 Each		
CLIN 0009 Pay item: #310008	Basin Connect PCC Pipe, Class III, 15 inch	100 LF		
CLIN 0010 Pay item: #310010	Basin Connect PCC Pipe, Class III, 18 inch	100 SY		

CLIN 0011 Pay item: #311002	Adjust sewer water Utility Manhole Frame	10 Each		
CLIN 0012 Pay item: #311004	Reset sewer Water Utility Manhole Frame	10 Each		
CLIN 0013 Pay item: #311010	Adjust Standard Basin Top	10 Each		
CLIN 0014 Pay item: #311016	Furnish Sewer- Water Manhole Frame	10 Each		
CLIN 0015 Pay item: #311018	Furnish Basin Top	10 Each		
CLIN 0016 Pay item: #311024	Rebuild Std. Basin	5 CY		
CLIN 0017 Pay item: #311026	Repalce exisiting Basin with Double Basin	5 Each		
CLIN 0018 Pay item: #311030	Repalce exisiting Basin with Double Type S Basin	5 Each		
CLIN 0019 Pay item: #310016	Type S Basin	6 Each		
CLIN 0020 Pay item: #310018	Double Type S Basin	3 Each		
CLIN 0021 Pay item: #311991	SPECIAL ITEM: Adjsut, rebuild, & re place manhole & catch basin-CLEAN SEWER STRUCTURE, continued- CLEAN SEWER STRUCTURE, item 311063	10 each		
CLIN 0022 Pay item: #312004	REPLACE CONICAL SHAPED WATER VALVE CASING	5 Each		

CLIN 0023 Pay item: #313002	Abandon Basin Connecting Pipe	5 Each		
CLIN 0024 Pay item: #313004	Abandon Sewer Manhole	5 Each		
CLIN 0025 Pay item: #313006	Abandon Basin	5 Each		
CLIN 0026 Pay item: #402002	Superpave Base Course, 19 mm	500 Ton		
CLIN 0027 Pay item: #402010	Superpave Surface Course, 9.5 mm	2000 Ton		
CLIN 0028 Pay item: #407002	Temporary AC, Superpave Surface Course, 12.5 mm	500 Ton		
CLIN 0029 Pay item: #403002	Tack Coat	10,000 SY		
CLIN 0030 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE STAMPING, Item 405 015	2000.00 SY		
CLIN 0031 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE COATING, Item 405 017	2000.00 SY		

CLIN 0032 Pay item: #501014	Extra Welded Wire Fabric, Style 66-46	300 SY		
CLIN 0033 Pay item: #502002	PCC Base REINFORCED	1200.00 CY		
CLIN 0034 Pay item: #503002	Reinforced PCC Alley, 6 inch	3000.00SY		
CLIN 0035 Pay item: #503006	Reinforced PCC Alley, 8 inch	12000.00 SY		
CLIN 0036 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BLOCK ALLEY ON PCC BASE, Item 506053	100 CY		
CLIN 0037 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE COBBLESTONE ALLEY ON PCC BASE, Item 506055	100 CY		
CLIN 0038 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item REINFORCED PCC ALLEY, 10'	2500.00 SY		

CLIN 0039 Pay item: #505026	Welded Wire Fabric for Repair, Style 66-46	2000 SY		
CLIN 0040 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BRICK ALLEY, Item 506 051	100.00 CY		
CLIN 0041 Pay item: #504002	PCC Driveway- Alley Entrance	500 CY		
CLIN 0042 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE DRIVEWAY WITH BRICK ON PCC BASE, Item 506 009	500 CY		
CLIN 0043 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE REINFORCED PCC ALLEY, Item 506 007	50CY		
CLIN 0044 Pay item: #505030	Anchor Bolts- Paving	100.00 Each		
CLIN 0045 Pay item: #506004	Repair PCC Base	100 CY		

CLIN 0046 Pay item: #506008	Repair PCC Driveway-Alley entrance	100 CY		
CLIN 0047 Pay item: #602002	PCC Footing (Minor)	10 CY		
CLIN 0048 Pay item: #602004	Property Wall	15 CY		
CLIN 0049 Pay item: #602008	PCC Steps	10 CY		
CLIN 0050 Pay item: #602010	Standard PCC Coping	15 CY		
CLIN 0051 Pay item: #602991	Minor Structures Special Item CY Repair/ Replace PCC Wall, Steps, Coping, Item 602 025	25 CY		
CLIN 0052 Pay item: #603002	Underdrain Pipe, 4 inch	500 LF		
CLIN 0053 Pay item: #603004	Underdrain Pipe, 6 inch	500 LF		

CLIN 0054 Pay item: #603006	Underdrain Pipe, 8 inch	50 LF		
CLIN 0055 Pay item: #603010	Underdrain Pipe, 4 inch	50 LF		
CLIN 0056 Pay item: #603012	Underdrain Pipe, 6 inch	50 LF		
CLIN 0057 Pay item: #603014	Underdrain Pipe, 8 inch	50 LF		
CLIN 0058 Pay item: #607991	Misc. Fencing Special Item- LF Repair/ Replace Chain Link Fence & Gate, Item 607 007	500 LF		
CLIN 0059 Pay item: #608016	Repair-Replace PCC Sidewalk, 4 inch	500 SY		
CLIN 0060 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503017	1000.00 SY		
CLIN 0061 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET ASPHALT BLOCK, Item 503021	500 SY		

CLIN 0062 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET BRICK PAVERS, Item 503023	500 SY		
CLIN 0063 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET COBBLESTONE PAVERS, Item 503025	500 SY		
CLIN 0064 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503015	5,500.00 SY		
CLIN 0065 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET COBBLESTONE PAVERS, Item 503019	1,000.00 SY		
CLIN 0066 Pay item: #608032	Brick Sidewalk Repair on PCC Base	200 SY		
CLIN 0067 Pay item: #609050	Repair-Replace PCC Curb and/or Gutter	50 CY		
CLIN 0068 Pay item: #609052	Repair-Replace PCC Circular Curb and/or Gutter	75 CY		

CLIN 0069 Pay item: #609086	Reset Stone Curb	250.00 LF		
CLIN 0070 Pay item: #609088	Adjust Stone Curb	250.00 LF		
CLIN 0071 Pay item: #609100	AC Curb	250.00 LF		
CLIN 0072 Pay item: #609994	Curb, Gutter & Paved Flume Special Item- EACH- DETECTABLE WARNING PAVERS, Item 609 201	24 Each		
CLIN 0073 Pay item: #609202	PCC Wheel/ Bicycle Ramp- Existing Construction	24 Each		
CLIN 0074 Pay item: #609500	Brick Gutter	100 LF		
CLIN 0075 Pay item: #610018	Sod with 3 inch Topsoil	500.00 SY		
CLIN 0076 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP < 18"	10 Each		

CLIN 0077 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP > 18"	10 Each		
CLIN 0078 Pay item: #611076	STEEL EDGING	1000.00 LF		
CLIN 0079 Pay item: #612002	Mobilization	1.00 LS		
CLIN 0080 Pay item: #615004	Three-Ply Membrane Waterproofing	50.00 SY		
CLIN 0081 Pay item: #616001	Maintenance of Highway Traffic	1.00 LS		
CLIN 0082 Pay item: #618992	Electric Work Special Item- EACH- LED LUMINAIRE, Item 618115	25 Each		
CLIN 0083 Pay item: #625002	Field Layout	1.00 LS		
CLIN 0084 Pay item: #704002	Reinforcing Steel	200 lbs.		

CLIN 0085 Pay item: #709002	STEEL RAILING	100.00 LF		
CLIN 0086 Pay item: #616122	Steel Protection Plate	5.00 Each		
CLIN 0087 Pay item: #618072	Furnish and Install 1-2" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0088 Pay item: #618100	Furnish and Install 1-4" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0089 Pay item: #618172	Clean and Rod Existing Conduit	2500.00 LF		
CLIN 0090 Pay item: #618178	Repair of Existing Underground Conduit	1000.00 LF		
CLIN 0091 Pay item: #618190	Furnish and Install #10 Stranded Wire	20,000.00 LF		
CLIN 0092 Pay item: #618196	Furnish and Install #8 Stranded Wire	15,000.00 LF		

CLIN 0093 Pay item: #618196	Furnish and Install #6 Stranded Wire	10,000.00 LF		
CLIN 0094 Pay item: #618356	Furnish and Install #6 Tri-Plex Overhead Cable	3,500.00 LF		
CLIN 0095 Pay item: #618608	Furnish and Install 5A Alley Pole with Arm	2.00 Each		
CLIN 0096 Pay item: #618624	Furnish and Install Wood Pole, 35 ft. Height or Less	5.00 Each		
CLIN 0097 Pay item: #618662	Furnish and Install Wood Pole, 3 ft. Arm on Wood Pole	5.00 Each		
CLIN 0098 Pay item: #618728	Install D.C. Furnished 70 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0099 Pay item: #618730	Furnish and Install 100 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0100 Pay item: #618742	Furnish and Install 150 Watt HPS Cutoff Luminaire	20 Each		

CLIN 0101 Pay item: #618896	Furnish and Install 1" PVC Rigid U- Guard on Wood Pole	25 LF		
CLIN 0102 Pay item: #618999	Payment to PEPCO for connection and disconnection of service to streetlights and traffic signals COST REIMBURSABLE NOT TO EXCEED CEILING AMOUNT, 618 999	1.0 LS		
Grand Total for B.3.3				

B.3.4 OPTION YEAR 3

Contract Line Item No. (CLIN)	Item Description	Quantity (Approximate)	Bid Price	Extension Total Price
CLIN 0001 #108 002	Progress Photographs	1 LS		
CLIN 0002 Pay item: #202002	Common Excavation	14,000.00 CY		
CLIN 0003 Pay item: #206004	Borrow Structure Backfill	75 CY		
CLIN 0004 Pay item: #209002	Aggregate Base Course	3000 CY		
CLIN 0005 Pay item: #308024	Adjust water Meter Frame	50 Each		
CLIN 0006 Pay item: #308026	Reset Water Meter Unit	20 Each		
CLIN 0007 Pay item: #308028	Adjust Curb Cock Box	75 Each		
CLIN 0008 Pay item: #308032	Reset Curb Cock Unit	25 Each		
CLIN 0009 Pay item: #310008	Basin Connect PCC Pipe, Class III, 15 inch	100 LF		
CLIN 0010 Pay item: #310010	Basin Connect PCC Pipe, Class III, 18 inch	100 SY		

CLIN 0011 Pay item: #311002	Adjust sewer water Utility Manhole Frame	10 Each		
CLIN 0012 Pay item: #311004	Reset sewer Water Utility Manhole Frame	10 Each		
CLIN 0013 Pay item: #311010	Adjust Standard Basin Top	10 Each		
CLIN 0014 Pay item: #311016	Furnish Sewer- Water Manhole Frame	10 Each		
CLIN 0015 Pay item: #311018	Furnish Basin Top	10 Each		
CLIN 0016 Pay item: #311024	Rebuild Std. Basin	5 CY		
CLIN 0017 Pay item: #311026	Repalce exisiting Basin with Double Basin	5 Each		
CLIN 0018 Pay item: #311030	Repalce exisiting Basin with Double Type S Basin	5 Each		
CLIN 0019 Pay item: #310016	Type S Basin	6 Each		
CLIN 0020 Pay item: #310018	Double Type S Basin	3 Each		
CLIN 0021 Pay item: #311991	SPECIAL ITEM: Adjsut, rebuild, & re place manhole & catch basin-CLEAN SEWER STRUCTURE, continued- CLEAN SEWER STRUCTURE, item 311063	10 each		
CLIN 0021 Pay item: #311991				
CLIN 0022 Pay item: #312004	REPLACE CONICAL SHAPED WATER VALVE CASING	5 Each		

CLIN 0023 Pay item: #313002	Abandon Basin Connecting Pipe	5 Each		
CLIN 0024 Pay item: #313004	Abandon Sewer Manhole	5 Each		
CLIN 0025 Pay item: #313006	Abandon Basin	5 Each		
CLIN 0026 Pay item: #402002	Superpave Base Course, 19 mm	500 Ton		
CLIN 0027 Pay item: #402010	Superpave Surface Course, 9.5 mm	2000 Ton		
CLIN 0028 Pay item: #407002	Temporary AC, Superpave Surface Course, 12.5 mm	500 Ton		
CLIN 0029 Pay item: #403002	Tack Coat	10,000 SY		
CLIN 0030 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE STAMPING, Item 405 015	2000.00 SY		
CLIN 0031 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE COATING, Item 405 017	2000.00 SY		

CLIN 0032 Pay item: #501014	Extra Welded Wire Fabric, Style 66-46	300 SY		
CLIN 0033 Pay item: #502002	PCC Base REINFORCED	1200.00 CY		
CLIN 0034 Pay item: #503002	Reinforced PCC Alley, 6 inch	3000.00SY		
CLIN 0035 Pay item: #503006	Reinforced PCC Alley, 8 inch	12000.00 SY		
CLIN 0036 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BLOCK ALLEY ON PCC BASE, Item 506053	100 CY		
CLIN 0037 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE COBBLESTONE ALLEY ON PCC BASE, Item 506055	100 CY		
CLIN 0038 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item REINFORCED PCC ALLEY, 10'	2500.00 SY		

CLIN 0039 Pay item: #505026	Welded Wire Fabric for Repair, Style 66-46	2000 SY		
CLIN 0040 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BRICK ALLEY, Item 506 051	100.00 CY		
CLIN 0041 Pay item: #504002	PCC Driveway- Alley Entrance	500 CY		
CLIN 0042 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE DRIVEWAY WITH BRICK ON PCC BASE, Item 506 009	500 CY		
CLIN 0043 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE REINFORCED PCC ALLEY, Item 506 007	50CY		
CLIN 0044 Pay item: #505030	Anchor Bolts- Paving	100.00 Each		
CLIN 0045 Pay item: #506004	Repair PCC Base	100 CY		

CLIN 0046 Pay item: #506008	Repair PCC Driveway-Alley entrance	100 CY		
CLIN 0047 Pay item: #602002	PCC Footing (Minor)	10 CY		
CLIN 0048 Pay item: #602004	Property Wall	15 CY		
CLIN 0049 Pay item: #602008	PCC Steps	10 CY		
CLIN 0050 Pay item: #602010	Standard PCC Coping	15 CY		
CLIN 0051 Pay item: #602991	Minor Structures Special Item CY Repair/ Replace PCC Wall, Steps, Coping, Item 602 025	25 CY		
CLIN 0052 Pay item: #603002	Underdrain Pipe, 4 inch	500 LF		
CLIN 0053 Pay item: #603004	Underdrain Pipe, 6 inch	500 LF		

CLIN 0054 Pay item: #603006	Underdrain Pipe, 8 inch	50 LF		
CLIN 0055 Pay item: #603010	Underdrain Pipe, 4 inch	50 LF		
CLIN 0056 Pay item: #603012	Underdrain Pipe, 6 inch	50 LF		
CLIN 0057 Pay item: #603014	Underdrain Pipe, 8 inch	50 LF		
CLIN 0058 Pay item: #607991	Misc. Fencing Special Item- LF Repair/ Replace Chain Link Fence & Gate, Item 607 007	500 LF		
CLIN 0059 Pay item: #608016	Repair-Replace PCC Sidewalk, 4 inch	500 SY		
CLIN 0060 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503017	1000.00 SY		
CLIN 0061 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET ASPHALT BLOCK, Item 503021	500 SY		

CLIN 0062 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET BRICK PAVERS, Item 503023	500 SY		
CLIN 0063 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET COBBLESTONE PAVERS, Item 503025	500 SY		
CLIN 0064 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503015	5,500.00 SY		
CLIN 0065 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET COBBLESTONE PAVERS, Item 503019	1,000.00 SY		
CLIN 0066 Pay item: #608032	Brick Sidewalk Repair on PCC Base	200 SY		
CLIN 0067 Pay item: #609050	Repair-Replace PCC Curb and/or Gutter	50 CY		
CLIN 0068 Pay item: #609052	Repair-Replace PCC Circular Curb and/or Gutter	75 CY		

CLIN 0069 Pay item: #609086	Reset Stone Curb	250.00 LF		
CLIN 0070 Pay item: #609088	Adjust Stone Curb	250.00 LF		
CLIN 0071 Pay item: #609100	AC Curb	250.00 LF		
CLIN 0072 Pay item: #609994	Curb, Gutter & Paved Flume Special Item- EACH- DETECTABLE WARNING PAVERS, Item 609 201	24 Each		
CLIN 0073 Pay item: #609202	PCC Wheel/ Bicycle Ramp- Existing Construction	24 Each		
CLIN 0074 Pay item: #609500	Brick Gutter	100 LF		
CLIN 0075 Pay item: #610018	Sod with 3 inch Topsoil	500.00 SY		
CLIN 0076 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP < 18"	10 Each		

CLIN 0077 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP > 18"	10 Each		
CLIN 0078 Pay item: #611076	STEEL EDGING	1000.00 LF		
CLIN 0079 Pay item: #612002	Mobilization	1.00 LS		
CLIN 0080 Pay item: #615004	Three-Ply Membrane Waterproofing	50.00 SY		
CLIN 0081 Pay item: #616001	Maintenance of Highway Traffic	1.00 LS		
CLIN 0082 Pay item: #618992	Electric Work Special Item- EACH- LED LUMINAIRE, Item 618115	25 Each		
CLIN 0083 Pay item: #625002	Field Layout	1.00 LS		
CLIN 0084 Pay item: #704002	Reinforcing Steel	200 lbs.		

CLIN 0085 Pay item: #709002	STEEL RAILING	100.00 LF		
CLIN 0086 Pay item: #616122	Steel Protection Plate	5.00 Each		
CLIN 0087 Pay item: #618072	Furnish and Install 1-2" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0088 Pay item: #618100	Furnish and Install 1-4" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0089 Pay item: #618172	Clean and Rod Existing Conduit	2500.00 LF		
CLIN 0090 Pay item: #618178	Repair of Existing Underground Conduit	1000.00 LF		
CLIN 0091 Pay item: #618190	Furnish and Install #10 Stranded Wire	20,000.00 LF		
CLIN 0092 Pay item: #618196	Furnish and Install #8 Stranded Wire	15,000.00 LF		

CLIN 0093 Pay item: #618196	Furnish and Install #6 Stranded Wire	10,000.00 LF		
CLIN 0094 Pay item: #618356	Furnish and Install #6 Tri-Plex Overhead Cable	3,500.00 LF		
CLIN 0095 Pay item: #618608	Furnish and Install 5A Alley Pole with Arm	2.00 Each		
CLIN 0096 Pay item: #618624	Furnish and Install Wood Pole, 35 ft. Height or Less	5.00 Each		
CLIN 0097 Pay item: #618662	Furnish and Install Wood Pole, 3 ft. Arm on Wood Pole	5.00 Each		
CLIN 0098 Pay item: #618728	Install D.C. Furnished 70 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0099 Pay item: #618730	Furnish and Install 100 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0100 Pay item: #618742	Furnish and Install 150 Watt HPS Cutoff Luminaire	20 Each		

CLIN 0101 Pay item: #618896	Furnish and Install 1" PVC Rigid U- Guard on Wood Pole	25 LF		
CLIN 0102 Pay item: #618999	Payment to PEPCO for connection and disconnection of service to streetlights and traffic signals COST REIMBURSABLE NOT TO EXCEED CEILING AMOUNT, 618 999	1.0 LS		
Grand Total for B.3.4				

B.3.5 OPTION YEAR 4

Contract Line Item No. (CLIN)	Item Description	Quantity (Approximate)	Bid Price	Extension Total Price
CLIN 0001 #108 002	Progress Photographs	1 LS		
CLIN 0002 Pay item: #202002	Common Excavation	14,000.00 CY		
CLIN 0003 Pay item: #206004	Borrow Structure Backfill	75 CY		
CLIN 0004 Pay item: #209002	Aggregate Base Course	3000 CY		
CLIN 0005 Pay item: #308024	Adjust water Meter Frame	50 Each		
CLIN 0006 Pay item: #308026	Reset Water Meter Unit	20 Each		
CLIN 0007 Pay item: #308028	Adjust Curb Cock Box	75 Each		
CLIN 0008 Pay item: #308032	Reset Curb Cock Unit	25 Each		
CLIN 0009 Pay item: #310008	Basin Connect PCC Pipe, Class III, 15 inch	100 LF		
CLIN 0010 Pay item: #310010	Basin Connect PCC Pipe, Class III, 18 inch	100 SY		

CLIN 0011 Pay item: #311002	Adjust sewer water Utility Manhole Frame	10 Each		
CLIN 0012 Pay item: #311004	Reset sewer Water Utility Manhole Frame	10 Each		
CLIN 0013 Pay item: #311010	Adjust Standard Basin Top	10 Each		
CLIN 0014 Pay item: #311016	Furnish Sewer- Water Manhole Frame	10 Each		
CLIN 0015 Pay item: #311018	Furnish Basin Top	10 Each		
CLIN 0016 Pay item: #311024	Rebuild Std. Basin	5 CY		
CLIN 0017 Pay item: #311026	Repalce exisiting Basin with Double Basin	5 Each		
CLIN 0018 Pay item: #311030	Repalce exisiting Basin with Double Type S Basin	5 Each		
CLIN 0019 Pay item: #310016	Type S Basin	6 Each		
CLIN 0020 Pay item: #310018	Double Type S Basin	3 Each		
CLIN 0021 Pay item: #311991	SPECIAL ITEM: Adjsut, rebuild, & re place manhole & catch basin-CLEAN SEWER STRUCTURE, continued- CLEAN SEWER STRUCTURE, item 311063	10 each		
CLIN 0022 Pay item: #312004	REPLACE CONICAL SHAPED WATER VALVE CASING	5 Each		

CLIN 0023 Pay item: #313002	Abandon Basin Connecting Pipe	5 Each		
CLIN 0024 Pay item: #313004	Abandon Sewer Manhole	5 Each		
CLIN 0025 Pay item: #313006	Abandon Basin	5 Each		
CLIN 0026 Pay item: #402002	Superpave Base Course, 19 mm	500 Ton		
CLIN 0027 Pay item: #402010	Superpave Surface Course, 9.5 mm	2000 Ton		
CLIN 0028 Pay item: #407002	Temporary AC, Superpave Surface Course, 12.5 mm	500 Ton		
CLIN 0029 Pay item: #403002	Tack Coat	10,000 SY		
CLIN 0030 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE STAMPING, Item 405 015	2000.00 SY		
CLIN 0031 Pay item: #405993	Bituminous Surface Treatment Special Item- ASPHALT SURFACE COATING, Item 405 017	2000.00 SY		

CLIN 0032 Pay item: #501014	Extra Welded Wire Fabric, Style 66-46	300 SY		
CLIN 0033 Pay item: #502002	PCC Base REINFORCED	1200.00 CY		
CLIN 0034 Pay item: #503002	Reinforced PCC Alley, 6 inch	3000.00SY		
CLIN 0035 Pay item: #503006	Reinforced PCC Alley, 8 inch	12000.00 SY		
CLIN 0036 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BLOCK ALLEY ON PCC BASE, Item 506053	100 CY		
CLIN 0037 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE COBBLESTONE ALLEY ON PCC BASE, Item 506055	100 CY		
CLIN 0038 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item REINFORCED PCC ALLEY, 10'	2500.00 SY		

CLIN 0039 Pay item: #505026	Welded Wire Fabric for Repair, Style 66-46	2000 SY		
CLIN 0040 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE ASPHALT BRICK ALLEY, Item 506 051	100.00 CY		
CLIN 0041 Pay item: #504002	PCC Driveway- Alley Entrance	500 CY		
CLIN 0042 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE DRIVEWAY WITH BRICK ON PCC BASE, Item 506 009	500 CY		
CLIN 0043 Pay item: #506991	Repair PCC Pavenment, Base,Alley Driveway &Alley Entrances Special Item REPAIR, REPLACE REINFORCED PCC ALLEY, Item 506 007	50CY		
CLIN 0044 Pay item: #505030	Anchor Bolts- Paving	100.00 Each		
CLIN 0045 Pay item: #506004	Repair PCC Base	100 CY		

CLIN 0046 Pay item: #506008	Repair PCC Driveway-Alley entrance	100 CY		
CLIN 0047 Pay item: #602002	PCC Footing (Minor)	10 CY		
CLIN 0048 Pay item: #602004	Property Wall	15 CY		
CLIN 0049 Pay item: #602008	PCC Steps	10 CY		
CLIN 0050 Pay item: #602010	Standard PCC Coping	15 CY		
CLIN 0051 Pay item: #602991	Minor Structures Special Item CY Repair/ Replace PCC Wall, Steps, Coping, Item 602 025	25 CY		
CLIN 0052 Pay item: #603002	Underdrain Pipe, 4 inch	500 LF		
CLIN 0053 Pay item: #603004	Underdrain Pipe, 6 inch	500 LF		

CLIN 0054 Pay item: #603006	Underdrain Pipe, 8 inch	50 LF		
CLIN 0055 Pay item: #603010	Underdrain Pipe, 4 inch	50 LF		
CLIN 0056 Pay item: #603012	Underdrain Pipe, 6 inch	50 LF		
CLIN 0057 Pay item: #603014	Underdrain Pipe, 8 inch	50 LF		
CLIN 0058 Pay item: #607991	Misc. Fencing Special Item- LF Repair/ Replace Chain Link Fence & Gate, Item 607 007	500 LF		
CLIN 0059 Pay item: #608016	Repair-Replace PCC Sidewalk, 4 inch	500 SY		
CLIN 0060 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503017	1000.00 SY		
CLIN 0061 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET ASPHALT BLOCK, Item 503021	500 SY		

CLIN 0062 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET BRICK PAVERS, Item 503023	500 SY		
CLIN 0063 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item RESET COBBLESTONE PAVERS, Item 503025	500 SY		
CLIN 0064 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET ASPHALT BLOCK PAVERS, Item 503015	5,500.00 SY		
CLIN 0065 Pay item: #503991	Reinforced Portland Cement Concrete Alley Special Item FURNISH AND SET COBBLESTONE PAVERS, Item 503019	1,000.00 SY		
CLIN 0066 Pay item: #608032	Brick Sidewalk Repair on PCC Base	200 SY		
CLIN 0067 Pay item: #609050	Repair-Replace PCC Curb and/or Gutter	50 CY		
CLIN 0068 Pay item: #609052	Repair-Replace PCC Circular Curb and/or Gutter	75 CY		

CLIN 0069 Pay item: #609086	Reset Stone Curb	250.00 LF		
CLIN 0070 Pay item: #609088	Adjust Stone Curb	250.00 LF		
CLIN 0071 Pay item: #609100	AC Curb	250.00 LF		
CLIN 0072 Pay item: #609994	Curb, Gutter & Paved Flume Special Item- EACH- DETECTABLE WARNING PAVERS, Item 609 201	24 Each		
CLIN 0073 Pay item: #609202	PCC Wheel/ Bicycle Ramp- Existing Construction	24 Each		
CLIN 0074 Pay item: #609500	Brick Gutter	100 LF		
CLIN 0075 Pay item: #610018	Sod with 3 inch Topsoil	500.00 SY		
CLIN 0076 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP < 18"	10 Each		

CLIN 0077 Pay item: #611999	Tree, Shrub, Vine & Ground Cover Special Item- EACH- REMOVE TREE & STUMP > 18"	10 Each		
CLIN 0078 Pay item: #611076	STEEL EDGING	1000.00 LF		
CLIN 0079 Pay item: #612002	Mobilization	1.00 LS		
CLIN 0080 Pay item: #615004	Three-Ply Membrane Waterproofing	50.00 SY		
CLIN 0081 Pay item: #616001	Maintenance of Highway Traffic	1.00 LS		
CLIN 0082 Pay item: #618992	Electric Work Special Item- EACH- LED LUMINAIRE, Item 618115	25 Each		
CLIN 0083 Pay item: #625002	Field Layout	1.00 LS		
CLIN 0084 Pay item: #704002	Reinforcing Steel	200 lbs.		

CLIN 0085 Pay item: #709002	STEEL RAILING	100.00 LF		
CLIN 0086 Pay item: #616122	Steel Protection Plate	5.00 Each		
CLIN 0087 Pay item: #618072	Furnish and Install 1-2" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0088 Pay item: #618100	Furnish and Install 1-4" Schedule 40 Rigid PVC Conduit	2,000.00 LF		
CLIN 0089 Pay item: #618172	Clean and Rod Existing Conduit	2500.00 LF		
CLIN 0090 Pay item: #618178	Repair of Existing Underground Conduit	1000.00 LF		
CLIN 0091 Pay item: #618190	Furnish and Install #10 Stranded Wire	20,000.00 LF		
CLIN 0092 Pay item: #618196	Furnish and Install #8 Stranded Wire	15,000.00 LF		

CLIN 0093 Pay item: #618196	Furnish and Install #6 Stranded Wire	10,000.00 LF		
CLIN 0094 Pay item: #618356	Furnish and Install #6 Tri-Plex Overhead Cable	3,500.00 LF		
CLIN 0095 Pay item: #618608	Furnish and Install 5A Alley Pole with Arm	2.00 Each		
CLIN 0096 Pay item: #618624	Furnish and Install Wood Pole, 35 ft. Height or Less	5.00 Each		
CLIN 0097 Pay item: #618662	Furnish and Install Wood Pole, 3 ft. Arm on Wood Pole	5.00 Each		
CLIN 0098 Pay item: #618728	Install D.C. Furnished 70 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0099 Pay item: #618730	Furnish and Install 100 Watt HPS Cutoff Luminaire	20 Each		
CLIN 0100 Pay item: #618742	Furnish and Install 150 Watt HPS Cutoff Luminaire	20 Each		

CLIN 0101 Pay item: #618896	Furnish and Install 1" PVC Rigid U- Guard on Wood Pole	25 LF		
CLIN 0102 Pay item: #618999	Payment to PEPCO for connection and disconnection of service to streetlights and traffic signals COST REIMBURSABLE NOT TO EXCEED CEILING AMOUNT, 618 999	1.0 LS		
Grand Total for B.3.5				

SECTION C: SPECIFICATIONS/WORK STATEMENT

SECTION C: SCOPE/SPECIFICATIONS

C.1 SCOPE

The Contractor shall perform the work of the restoration of the alleys in the District of Columbia, which include the rehabilitation of alleys at various locations.

C.1.1 The Contractor shall perform all work in accordance with the 2009 edition of the District of Columbia, Department of Transportation Standard Specifications for Highways and Structures and Standard Drawings.

C.1.2 Work under this contract consists of citywide rehabilitation of alleys at various locations in the District of Columbia. The contractor shall:

C.1.2.1 Implement and maintain vehicular and pedestrian traffic safety plan throughout the contract.

C.1.2.2 Implement and maintain sediment and erosion control measures for the contract

C.1.2.3 Remove and dispose of the alley surface and base paving materials as required and/or directed by the Engineer, including alley entrances/driveways, curbs, gutter and drainage structures. Suitable paving materials (pavers) shall be salvaged by the Contractor and used for alley re-paving.

C.1.2.4 Mobilize and demobilize work and storage areas

C.1.3 The Contractor shall maintain all utility structures and service within the contract limits throughout the durations of the contract for all repairs made to the utilities.

C.1.4 APPLICABLE DOCUMENTS

Document Type	Version	Title	Date
DDOT Standards		Standard Specifications for Highways and Structures	2009
		Standard Drawings	2009
WASA Regulations		DC Water and Sewer Authority Specifications	LATEST
Federal Regulations		Manual on Uniform Traffic Control Devices	2009

C.2 SPECIAL PROVISIONS

C.2.1 PROGRESS PHOTOGRAPHS, ITEM 108.08

This supplements section 108.08 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

The Contractor shall furnish digital copies of all photographs taken. For each alley segment, the Contractor shall take a minimum of ten (10) pictures, with four (4) pictures taken prior to start of work and four (4) pictures after completion of work, with the remainder taken throughout the construction period or as directed by the Engineer.

Before the start of work, the Contractor shall videotape the entire alley segment using a digital camera.

The Contractor shall submit pictures and videos with every invoice for work performed during the invoice period.

C.2.2 COMMON EXCAVATION, Item 202 002:

This Special Provision supplements section 202 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

The Contractor shall also include undercutting to remove soft and unstable material, which may be encountered below the proposed PCC base up to one foot (1'), within the limits prescribed by the Engineer. Also included is special or hand excavation, as necessary, over, around, and under existing or new utility lines and appurtenances uncovered from such base undercutting. The contractor shall remove and dispose of traffic signs and sign supports (metal and wood posts) as directed.

C.2.3 WATER AND SEWER AUTHORITY SPECIFICATIONS

The D.C. Water and Sewer Authority (WASA) Specifications and Standard Drawings are to be used for water and sewer work where applicable.

C.2.4 CLEAN SEWER STRUCTURES, Item 311 063

This SP supplements section 311 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

This work shall include cleaning the entire storm sewer structure and 10 feet of the connect pipes with truck mounted sucking pipes and pressurized hoses that will fit to clean the connect pipes without damaging the pipes and the structure. All debris, silt deposit, leaves, bottles and any other trashes in the structure and the connect pipes must be removed to insure the proper function of the structure which is to collect the run off storm sewer and transfer to the designated Manhole via the connect pipes.

Payment for cleaning Sewer Structure and connect pipes will be made under 311 063.

C.2.5 ADJUST STANDARD BASIN TOP, Item 311 010

This SP supplements section 311 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

This work shall include replacing any necessary cheek blocks, steel pipes and repair of PCC throat openings when required.

Payment for repairing PCC throat openings will be made under 609-050, REPAIR REPLACE PCC CURB AND/OR GUTTER.

C.2.6 FURNISH AND SET BRICK PAVERS, Item 503 015

This SP supplements section 500 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION

The Contractor shall construct an alley and alley entrance composed of Brick Pavers on a bituminous setting bed with neoprene adhesive on PCC base as indicated in the contract documents or directed by the Engineer. Joints shall be filled with a sand cement mix. The exact pattern, block size, color and construction details shall be approved by the Engineer before installation.

Before proceeding with the work, the Contractor shall submit a full size sample of the paver for color range approval by the Engineer. The sample submitted shall be of a production type and shall represent color and minimum quality of finish to be furnished by the manufacturer. Downgrading of quality demonstrated by samples shall be cause for rejection of work.

MATERIALS

Materials shall meet the following requirements:

BRICK PAVERS: The Contractor shall ensure that the brick pavers meet the requirements of Section 806, including the size, and shall conform in color to existing alley. Brick pavers shall be designed to withstand vehicular and pedestrian traffic.

BITUMINOUS SETTING BED: The Contractor shall ensure that the asphalt cement bituminous setting bed conforms to ASTM D 3381, viscosity grade AC-10 or AC-20. The fine aggregate to be used in the bituminous setting bed shall be clean, hard sand with durable particles and shall be free from adherent coating lumps of clay, alkali salts, and organic matter. It shall be uniformly graded from coarse to fine and all passing the sieve No. 4. It shall meet the gradation requirements of ASTM C 136.

The Contractor shall ensure that the dried fine aggregate be combined with hot asphalt cement, and the mix shall be heated to approximately 300°F at an asphalt plant. The approximate proportion of materials by weigh shall be 7% asphalt and 93% fine aggregate. The Contractor shall determine the right proportions to produce best possible mixture for construction of bituminous setting bed to meet project requirements.

NEOPRENE ADHESIVE: The Contractor shall ensure that neoprene-modified asphalt adhesive under the brick pavers meet the following requirements:

Mastic:

(asphalt adhesive)

Solids (base): 75% ±1%

Lbs./Gal.: 8.0 to 8.5

Solvent: Mineral Spirits (over 100°F flash)

Base: (2% neoprene, 10% asbestos-free fibers, 88% asphalt)

Melting Point: ASTM D 36, 200°F min.

Penetration: 23-27 at 77°F

Ductility, ASTM D 113 at 77°F, 5 cm/min.: 125 cm min.

DRY JOINT MATERIAL: The Contractor shall ensure that Standard Portland Cement conforms to AASHTO M 85, Type I. Sand shall conform to AASHTO M45.

EXPANSION JOINT AND SEALERS: The Contractor shall ensure that performed expansion joint filler and cold-poured sealant for use in alley pavement construction conforms to 807.01 (A) and 807.02 of the Standard Specifications. Cold-poured sealant shall match brick color.

EDGE RESTRAINTS: The Contractor shall use commercial painted steel edging or aluminum edging with loops for support stakes, as recommended by the manufacturer of the paver for vehicular traffic.

CONSTRUCTION REQUIREMENTS: The Contractor shall ensure that pre-molded expansion joint material (1/2 inch) be placed along the back of curbs, around structures, along walls abutting the alley, and where located in the PCC base. The pre-molded material shall be removed to 1/2 inch below the alley surface and this space sealed. The sealant surface shall be flush with the brick surface.

PCC BASE: The Contractor shall ensure that the PCC base be constructed on prepared subgrade per section 502 of the Standard Specifications. Broom or machine finishing, scoring, carbon powder and joint sealer shall not be required for PCC base.

SETTING BED: The Contractor shall install the setting bed over the PCC base, place 3/4" control bars directly over the base. Space control bars approximately 11 feet apart and parallel to one another. Depth control bars must be set carefully to bring the pavers, when laid, to proper grade. The setting bed shall be rolled with a power roller to a nominal depth of 3/4" while still hot. The thickness shall be adjusted so that when the brick pavers are placed, the top surface of the pavers will be at the required finished grade. Thickness of the finished setting bed shall be no more than 1" or less than 1/2".

A coating of neoprene-modified asphalt adhesive shall be applied by squeezing or trowelling over top surface of setting bed to provide a bond under pavers. If a trowel is used, trowel shall be serrated with serrations not exceeding 1/16".

LAYING BRICK: The Contractor shall ensure that upon prepared bituminous bed the pavers shall be laid in successive courses with the better face side upward. Do not use unit pavers with chips, cracks, voids or other structural visible defects. Cut unit pavers with motor-driven saw equipment to provide clean, sharp, unchipped edges and to provide the approved pattern and to fit adjoining work neatly. Use full units without cutting wherever possible.

The Contractor shall ensure that every course of paver be carefully placed by hand in straight courses with hand tight joints, maintaining accurate alignment and a uniform top surface. Hand tight joint width shall read from 0" to a maximum of 1/8". No course shall deviate from a straight line more than 2" in 30 feet. The pavers shall be installed not to exceed 1/16" unit-to-unit offset from flush. The maximum tolerance is 1/8" in 2 feet and 1/4" in 10 feet from level or slope of finished surface of paving. Block laying shall take place in a continuous sequence and shall follow the completion of the bedding within 50 feet.

The Contractor shall ensure that immediately after laying the pavers, the surface is swept and inspected. Brick pavers which are broken, chipped or damaged shall be removed and replaced.

JOINT FILLER: The Contractor shall ensure that immediately after installation and inspection of the brick paving, the joints be filled to the full depth with mortar joint filler composed of 1 part Portland cement with color added and 2 parts sand by volume. Care shall be taken not to smear mortar joint filler on the surface of adjoining brick or other surfaces. After installation, joints shall be finished with a non-staining jointer to produce a very slightly concave, smooth joint free of cracks. Special care shall be taken to properly protect brick paving immediately after installation against adverse weather and too rapid drying during hot weather.

MEASURE & PAYMENT

The unit of measure for FURNISH AND SET BRICKS will be the square yard. The number will be the actual number of square yards measured complete in place.

Payment will be made at the respective contract unit price per square yard. Payment will include furnishing and placing brick for new construction, bituminous setting and dry joint filler, preformed expansion joints and joint sealer, paver restraint system, water and all labor, tools, equipment and incidentals to complete the work.

No additional payment shall be made for the difference in brick colors at the various work locations.

C.2.7 FURNISH AND SET ASPHALT BLOCK, Item 503 017

This SP supplements section 500 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION

The Contractor shall construct an alley and alley entrance composed of asphalt blocks on a bituminous setting bed with neoprene adhesive on PCC base as indicated in the contract documents. Joints shall be filled with a sand cement mix. The exact pattern, block size, color and construction details shall be approved by the Engineer before installation.

Before proceeding with the work, the Contractor shall submit a full size sample paver for approval by the Engineer. The sample submitted shall be of a production type and shall represent color and minimum quality of finish to be furnished by the manufacturer. Downgrading of quality demonstrated by samples shall be cause for rejection of work.

MATERIALS

Materials shall meet the following requirements:

ASPHALT BLOCK PAVERS: The Contractor shall use asphalt block pavers that have a non-slip or stipple finish. They shall contain clean, hard, unweathered stone, which shall be crushed in such a manner that the particles shall be as nearly cubical as possible and vary in size up to 3/8". Filler material in the block shall be produced from sound limestone or other approved mineral matter conforming to AASHTO M 17. The asphalt cement shall conform to Type 3 Asphalt ASTM D 312 with a penetration at 77° F, 100 g., 5 sec., of minimum 5 and maximum of 35 mm.

The Contractor shall ensure that asphalt block pavers be 5 x 12 x 3 inches (nominal). Pavers shall have a tolerance plus or minus of 1/16" in any direction. The color shall be gray matching existing asphalt block pavers in the alley, as approved by the Engineer.

BITUMINOUS SETTING BED: The Contractor shall ensure that the asphalt cement bituminous setting bed conforms to ASTM D 3381, viscosity grade AC-10 or AC-20. The fine aggregate to be used in the bituminous setting bed shall be clean, hard sand with durable particles and shall be free from adherent coating lumps of clay, alkali salts, and organic matter. It shall be uniformly graded from coarse to fine and all passing the sieve No. 4. It shall meet the gradation requirements of ASTM C 136.

The Contractor shall ensure that the dried fine aggregate be combined with hot asphalt cement, and the mix shall be heated to approximately 300°F at an asphalt plant. The approximate proportion of materials by weigh shall be 7% asphalt and

93% fine aggregate. The Contractor shall determine the right proportions to produce best possible mixture for construction of bituminous setting bed to meet project requirements.

NEOPRENE ADHESIVE: The Contractor shall ensure that neoprene-modified asphalt adhesive under the asphalt block pavers meet the following requirements:

Mastic: (asphalt adhesive)
Solids (base): 75% ±1%
Lbs./Gal.: 8.0 to 8.5
Solvent: Mineral Spirits (over 100°F flash)
Base: (2% neoprene, 10% asbestos-free fibers, 88% asphalt)
Melting Point: ASTM D 36, 200°F min.
Penetration: 23-27 at 77°F
Ductility, ASTM D 113 at 77°F, 5 cm/min.: 125 cm min.

DRY JOINT MATERIAL: The Contractor shall ensure that Standard Portland Cement conforms to AASHTO M85, Type I. Sand shall conform to AASHTO M45.

EXPANSION JOINT AND SEALERS: The Contractor shall ensure that performed expansion joint filler and cold-poured sealant for use in alley pavement construction conforms to 807.01 (A) and 807.02 of the Standard Specifications. Cold-poured sealant shall be natural gray color.

EDGE RESTRAINTS: The Contractor shall use commercial painted steel edging or aluminum edging with loops for support stakes, as recommended by the manufacturer of the paver for vehicular traffic.

CONSTRUCTION REQUIREMENTS: The Contractor shall ensure that pre-molded expansion joint material (1/2 inch) be placed along the back of curbs, around structures, along walls abutting the alley, and where located in the PCC base. The pre-molded material shall be removed to 1/2 inch below the alley surface and this space sealed.

PCC BASE: The Contractor shall ensure that the PCC base be constructed on prepared subgrade per section 502 of the Standard Specifications. Broom or machine finishing, scoring, carbon powder and joint sealer shall not be required for PCC base.

SETTING BED: The Contractor shall install the setting bed over the PCC base, place 3/4" control bars directly over the base. Space control bars approximately 11 feet apart and parallel to one another. Depth control bars must be set carefully to bring the pavers, when laid, to proper grade. The setting bed shall be rolled with a power roller to a nominal depth of 3/4" while still hot. The thickness shall be adjusted so that when the asphalt block pavers are placed, the top surface of the

pavers will be at the required finished grade. Thickness of the finished setting bed shall be no more than 1" or less than 1/2".

A coating of neoprene-modified asphalt adhesive shall be applied by squeezing or trowelling over top surface of setting bed to provide a bond under pavers. If a trowel is used, trowel shall be serrated with serrations not exceeding 1/16".

LAYING ASPHALT BLOCK: The Contractor shall ensure that upon prepared bituminous bed the asphalt pavers shall be laid in successive courses with the better face side upward. Do not use unit pavers with chips, cracks, voids or other structural visible defects. Cut unit pavers with motor-driven saw equipment to provide clean, sharp, unchipped edges and to provide pattern indicated in the drawings and to fit adjoining work neatly. Use full units without cutting wherever possible.

The Contractor shall ensure that every course of paver be carefully placed by hand in straight courses with hand tight joints, maintaining accurate alignment and a uniform top surface. Hand tight joint width shall read from 0" to a maximum of 1/8". No course shall deviate from a straight line more than 2" in 30 feet. The pavers shall be installed not to exceed 1/16" unit-to-unit offset from flush. The maximum tolerance is 1/8" in 2 feet and 1/4" in 10 feet from level or slope of finished surface of paving. Block laying shall take place in a continuous sequence and shall follow the completion of the bedding within 50 feet.

The Contractor shall ensure that immediately after laying the pavers, the surface is swept and inspected. Asphalt block pavers which are broken, chipped or damaged shall be removed and replaced.

JOINT FILLER: The Contractor shall ensure that immediately after installation and inspection of the paving block, the joints shall be swept filled with a dry mix of 1 part Portland cement, 3 parts sand. Joints shall be fogged lightly with water and covered with joint mixture until firm joints are achieved. Any excess of joint mixture shall be removed.

MEASURE & PAYMENT

The unit of measure for FURNISH AND SET ASPHALT BLOCK will be the square yard. The number will be the actual number of square yards measured complete in place.

Payment will be made at the respective contract unit price per square yard.

Payment will include furnishing and placing asphalt block for new construction, bituminous setting and dry joint filler, preformed expansion joints and joint sealer, paver restraint system, water and all labor, tools, equipment and incidentals to complete the work.

No additional payment shall be made for variation in asphalt block colors at the various work locations.

C.2.8 FURNISH AND SET COBBLESTONE, Item 503 019

This SP supplements section 500 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION

The Contractor shall construct an alley and alley entrance composed of cobblestone in a bituminous setting bed with neoprene adhesive on PCC base as indicated in the contract documents. Joints shall be filled with a sand cement mix. The exact pattern, block size, color and construction details shall be approved by the Engineer before installation.

Before proceeding with the work, the Contractor shall submit a full size sample paver for approval by the Engineer. The sample submitted shall be of a production type and shall represent color and minimum quality of finish to be furnished by the manufacturer. Downgrading of quality demonstrated by samples shall be cause for rejection of work.

MATERIALS

Materials shall meet the following requirements:

COBBLESTONE PAVERS: The Contractor shall use cobblestone pavers that have a non-slip or stipple finish. They shall contain clean, hard, unweathered stone, which shall be crushed in such a manner that the particles shall be as nearly cubical as possible and vary in size up to 3/8". Filler material in the block shall be produced from sound limestone or other approved mineral matter conforming to AASHTO M 17. The asphalt cement shall conform to Type 3 Asphalt ASTM D 312 with a penetration at 77° F, 100 g., 5 sec., of minimum 5 and maximum of 35 mm.

The Contractor shall ensure that cobblestone pavers be 10 x 7 x 7 inches (nominal). Pavers shall have a tolerance plus or minus of 1/2" in any direction. The color shall be gray matching existing cobblestone pavers in the alley, as approved by the Engineer.

BITUMINOUS SETTING BED: The Contractor shall ensure that the asphalt cement bituminous setting bed conforms to ASTM D 3381, viscosity grade AC-10 or AC-20. The fine aggregate to be used in the bituminous setting bed shall be clean, hard sand with durable particles and shall be free from adherent coating lumps of clay, alkali salts, and organic matter. It shall be uniformly graded from coarse to fine and all passing the sieve No. 4. It shall meet the gradation requirements of ASTM C 136.

The Contractor shall ensure that the dried fine aggregate be combined with hot asphalt cement, and the mix shall be heated to approximately 300°F at an asphalt

plant. The approximate proportion of materials by weight shall be 7% asphalt and 93% fine aggregate. The Contractor shall determine the right proportions to produce best possible mixture for construction of bituminous setting bed to meet project requirements.

NEOPRENE ADHESIVE: The Contractor shall ensure that neoprene-modified asphalt adhesive under the cobblestone pavers meet the following requirements:

Mastic: (asphalt adhesive)
Solids (base): 75% ±1%
Lbs./Gal.: 8.0 to 8.5
Solvent: Mineral Spirits (over 100°F flash)
Base: (2% neoprene, 10% asbestos-free fibers, 88% asphalt)
Melting Point: ASTM D 36, 200°F min.
Penetration: 23-27 at 77°F
Ductility, ASTM D 113 at 77°F, 5 cm/min.: 125 cm min.

DRY JOINT MATERIAL: The Contractor shall ensure that Standard Portland Cement conforms to AASHTO M85, Type I. Sand shall conform to AASHTO M45.

EXPANSION JOINT AND SEALERS: The Contractor shall ensure that performed expansion joint filler and cold-poured sealant for use in alley pavement construction conforms to 807.01 (A) and 807.02 of the Standard Specifications. Cold-poured sealant shall be natural gray color.

EDGE RESTRAINTS: The Contractor shall use commercial painted steel edging or aluminum edging with loops for support stakes, as recommended by the manufacturer of the paver for vehicular traffic.

CONSTRUCTION REQUIREMENTS: The Contractor shall ensure that pre-molded expansion joint material (1/2 inch) be placed along the back of curbs, around structures, along walls abutting the alley, and where located in the PCC base. The pre-molded material shall be removed to 1/2 inch below the alley surface and this space sealed.

PCC BASE: The Contractor shall ensure that the PCC base be constructed on prepared subgrade per section 502 of the Standard Specifications. Broom or machine finishing, scoring, carbon powder and joint sealer shall not be required for PCC base.

SETTING BED: The Contractor shall install the setting bed over the PCC base, place 3/4" control bars directly over the base. Space control bars approximately 11 feet apart and parallel to one another. Depth control bars must be set carefully to bring the pavers, when laid, to proper grade. The setting bed shall be rolled with a power roller to a nominal depth of 3/4" while still hot. The thickness shall be adjusted so that when the cobblestone pavers are placed, the top surface of the

pavers will be at the required finished grade. Thickness of the finished setting bed shall be no more than 1" or less than 1/2".

A coating of neoprene-modified asphalt adhesive shall be applied by squeezing or trowelling over top surface of setting bed to provide a bond under pavers. If a trowel is used, trowel shall be serrated with serrations not exceeding 1/16".

LAYING COBBLESTONE: The Contractor shall ensure that upon prepared bituminous bed the asphalt pavers shall be laid in successive courses with the better face side upward. Do not use unit pavers with chips, cracks, voids or other structural visible defects. Cut unit pavers with motor-driven saw equipment to provide clean, sharp, unchipped edges and to provide pattern indicated in the drawings and to fit adjoining work neatly. Use full units without cutting wherever possible.

The Contractor shall ensure that every course of paver be carefully placed by hand in straight courses with hand tight joints, maintaining accurate alignment and a uniform top surface. Hand tight joint width shall read from 0" to a maximum of 1/8". No course shall deviate from a straight line more than 2" in 30 feet. The pavers shall be installed not to exceed 1/16" unit-to-unit offset from flush. The maximum tolerance is 1/8" in 2 feet and 1/4" in 10 feet from level or slope of finished surface of paving. Block laying shall take place in a continuous sequence and shall follow the completion of the bedding within 50 feet.

The Contractor shall ensure that immediately after laying the pavers, the surface is swept and inspected. Cobblestone pavers which are broken, chipped or damaged shall be removed and replaced.

JOINT FILLER: The Contractor shall ensure that immediately after installation and inspection of the paving block, the joints shall be swept filled with a dry mix of 1 part Portland cement, 3 parts sand. Joints shall be fogged lightly with water and covered with joint mixture until firm joints are achieved. Any excess of joint mixture shall be removed.

MEASURE & PAYMENT

The unit of measure for FURNISH AND SET COBBLESTONE will be the square yard. The number will be the actual number of square yards measured complete in place.

Payment will be made at the respective contract unit price per square yard.

Payment will include furnishing and placing cobblestone for new construction, bituminous setting and dry joint filler, preformed expansion joints and joint sealer, paver restraint system, water and all labor, tools, equipment and incidentals to complete the work.

No additional payment shall be made for variation in cobblestone colors at the various work locations.

C.2.9 RESET ASPHALT BLOCK, Item 503 021

This SP supplements section 500 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION

The Contractor shall remove and reset suitable asphalt block pavers within the limits of the project. The Contractor shall ensure that the resetting of the pavers be performed as described for furnishing and setting new asphalt block pavers (Item 503 017).

The Contractor shall replace at his expense any pavers damaged due to his negligence. Asphalt block pavers deemed unsuitable for re-use by the Engineer shall be removed from the site. When Resetting Asphalt Block, payment for removal and disposal of unsuitable PCC base material shall be made under 506 004, REPAIR PCC BASE.

MEASURE & PAYMENT

The unit of measure for RESET ASPHALT BLOCKS will be the square yard. The number will be the actual number of square yards measured complete in place.

Payment will be made at the respective contract unit price per square yard which payment will include the removal and resetting of existing asphalt blocks on PCC base. Payment will include furnishing and placing bituminous setting and dry joint filler, preformed expansion joints and joint sealer, paver restraint system, water and all labor, tools, equipment and incidentals to complete the work.

C.2.10 RESET BRICK PAVERS, Item 503 023

This SP supplements section 500 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION

The Contractor shall remove and reset suitable brick pavers within the limits of the project. The Contractor shall ensure that the resetting of the pavers be performed as described for furnishing and setting new brick paver on PCC base (Item 503 015).

The Contractor shall replace at his expense any pavers damaged due to his negligence. Brick pavers deemed unsuitable for re-use by the Engineer shall be removed from the site. When Resetting Brick Pavers, payment for removal and disposal of unsuitable PCC base material shall be made under 506 004, REPAIR PCC BASE.

MEASURE & PAYMENT

The unit of measure for RESET BRICK PAVERS will be the square yard. The number will be the actual number of square yards measured complete in place. Payment will be made at the respective contract unit price per square yard which payment will include the removal and resetting of existing brick pavers on PCC base. Payment will include furnishing and placing bituminous setting and dry joint filler, preformed expansion joints and joint sealer, paver restraint system, water and all labor, tools, equipment and incidentals to complete the work.

C.2.11 RESET COBBLESTONE PAVERS, Item 503 025

This SP supplements section 500 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION

The Contractor shall remove and reset suitable cobblestone pavers within the limits of the project. The Contractor shall ensure that the resetting of the pavers be performed as described for furnishing and setting new cobblestone pavers (Item 503 019).

The Contractor shall replace at his expense any pavers damaged due to his negligence. Asphalt block pavers deemed unsuitable for re-use by the Engineer shall be removed from the site. When Resetting Cobblestone Pavers, payment for removal and disposal of unsuitable PCC base material shall be made under 506 004, REPAIR PCC BASE.

MEASURE & PAYMENT

The unit of measure for RESET COBBLESTONE PAVERS will be the square yard. The number will be the actual number of square yards measured complete in place.

Payment will be made at the respective contract unit price per square yard which payment will include the removal and resetting of existing cobblestone blocks on PCC base. Payment will include furnishing and placing bituminous setting and dry joint filler, preformed expansion joints and joint sealer, paver restraint system, water and all labor, tools, equipment and incidentals to complete the work.

C.2.12 ALL REPAIR-REPLACE ITEMS, including

REPAIR PCC BASE, Item 506 004

REPAIR-REPLACE REINFORCED PCC ALLEY, Item 506 007

REPAIR-REPLACE ALLEY ENTRANCE WITH BRICK ON PCC BASE, Item 506 009

REPAIR PCC DRIVEWAY ALLEY ENTRANCE, Item 506 008

REPAIR-REPLACE BRICK ON PCC BASE, Item 506 051

REPAIR-REPLACE ASPHALT BLOCK ON PCC BASE, Item 506 053

REPAIR-REPLACE COBBLESTONE ON PCC BASE, Item 506 055

REPAIR REPLACE PCC WALL / STEPS / COPING Item 602 025

REPAIR-REPLACE CHAIN LINK FENCE & GATE, Item 607 007

REPAIR-REPLACE PCC SIDEWALK, Item 608 016

REPAIR-REPLACE PCC CURB & GUTTER, Item 609 050,

REPAIR-REPLACE PCC CIRCULAR CURB & GUTTER, Item 609 052

Repair-Replace items include the necessary excavation, soil base, subgrade, base and surface material required to complete the work. The Contractor shall not be credited for any additional excavation and/or aggregate base used for Repair-Replace items. The cost of excavation and aggregate base shall be included in the cost of the Repair-Replace item.

When directed by the engineer, part or all of any existing alley, sidewalk or driveway on this contract shall be replaced; it will be necessary to entirely remove and old PCC base, foundation and repair-replace the alley according to the applicable installation procedures.

Work includes adjusting water meter frames and covers, curb cock boxes, and/or water valve boxes to approved grade including excavation, backfill, compaction, sand-cement,

pavers and all incidentals necessary to complete the above work as directed by the Engineer.

The unit of measure for Repair-Replace items shall include all removal including saw cutting and disposal of all excavated materials, and the compaction of existing base and/or subgrade material.

The Contractor shall take pictures of the alleys before and after construction. Also, the contractor shall note spot elevations before any excavation work begins, before disturbing existing conditions and after work is completed.

The Contractor shall be responsible for drawing cross-sections and calculating earthwork from cross-sections. The Contractor shall submit to DDOT, cross-section drawings and earthwork calculations with every invoice when applying for payment. The final volume of excavation for payment will be calculated from cross sections.

C.2.13 DETECTABLE WARNING PAVERS ON EXISTING WHEELCHAIR/BICYCLE RAMPS, ITEM 609 201

This S.P. supplements section 609 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

DESCRIPTION - This work shall consist of furnishing and installing detectable warning pavers on new or existing wheelchair/bicycle ramps as indicated and in accordance with the details shown on the plans and/or as directed by the Engineer. Furnishing and placing of new ramps will be paid under 609 200 or 609 202, as applicable.

DETECTABLE WARNING PAVERS/TRUNCATED DOMES. Install detectable warning pavers/truncated domes for a distance of 24" from the back of the curb for the entire width of the ramp opening where it is flush with the pavement.

- (a) **General** - Detectable warning pavers shall consist of a surface of truncated domes aligned in a square grid pattern.
- (b) **Dome Size** - Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inches minimum to 1.4 inches maximum, a top diameter of 50% of the base diameter minimum to 65% of the base diameter maximum, and a height of 0.2 inches.
- (c) **Dome Spacing** - Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches minimum and 2.4 inches maximum, and a

base-to-base spacing of 0.65 inches minimum, measured between the most adjacent domes on square grid.

- (d) **Contrast** - Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.
- (e) **Size** - Detectable warning surfaces shall extend 24 inches minimum in the direction of travel and the full width of the wheelchair ramp, landing, or blended transition.
- (f) **Sidewalk Ramps and Blended Transitions** - The detectable warning surface shall be located so that the edge nearest the curb line is 6 inches minimum and 8 inches maximum from the curb line.
- (g) **Rail Crossings** - The detectable warning surface shall be located so that the edge nearest the rail crossing is 6 inches minimum and 8 inches maximum from the vehicle dynamic envelope.
- (h) **Platform Edges** - Detectable warning surfaces at platform boarding edges shall be 24 inches wide and shall extend the full length of the platform.

MATERIALS. Pavers will meet Americans with Disabilities Act (ADA) requirements for detectable warning pavers (truncated domes) either ASTM C 902 Pedestrian and Light Traffic Paving Block, Class SX, Type 1; or ASTM C 936 Solid Concrete Interlocking Paving Units; or ASTM C 1272 Heavy Vehicular Paving Brick, Type R.

Pavers will be laid on top of a 4" unreinforced concrete base. Setting bed and joints to be mortared in accordance with manufacturers instructions or with a maximum 1/2" thick setting bed of latex modified cement mortar. Mortar joints to a width not greater than 5/32" and not less than 1/16". Pavers shall not be directly touching each other unless they have spacing bars. Portion of concrete ramp that is thickened to 6" shall be extended such that a minimum 4" of concrete shall be beneath the brick pavers.

Joints are to be flush with top surface and struck so as to give a smooth surface. Pavers shall be laid such that joints are level with adjoining joints so as to provide a smooth transition from brick to brick and brick to concrete surface. The top surface of any two adjacent units should not differ by more than 1/8" in height for mortared brick paving. Bricks shall be placed in a running bond pattern. Pavers that do not conform to the smoothness requirement shall be removed and replaced at the expense of the contractor as determined by the Engineer. Face of all brick shall be clean of cement and protected so as to avoid chipping during construction.

Stamping or imprinting systems when used must be capable of uniformly providing the specified texture and pattern, using the Department's standard class of concrete for

sidewalks. The minimum dry static coefficient of friction, as defined by ASTM C-1028, shall be 0.80.

CONSTRUCTION. The Contractor shall submit literature describing the following to the Engineer at least 30 days prior to the proposed installation:

- (a) The detectable warning paving material
- (b) All associated materials
- (c) Preparation requirements
- (d) In addition, a minimum 12" x 12" sample of the detectable warning material shall be submitted

The manufacturer shall demonstrate in writing and by providing references that the detectable warning paving materials have been satisfactorily used for roadway, path or flooring applications, in high pedestrian use and under weather conditions similar to those experienced in the District, for a minimum period of five years.

In no case shall the Contractor permit the application of any materials by untrained personnel or non-approved installers. The material manufacturer's certification of compliance with this requirement shall be provided to the Engineer.

Prior to the start of work, the Contractor shall show evidence of successful completion of similar installations and provide a job site sample for the approval of the Engineer. The sample size shall be 4' x 2', minimum, and constructed at a location selected by the Engineer.

As many test panels will be constructed as are necessary to achieve a sample panel that meets the satisfaction of the Engineer. All work shall conform to the appearance of the approved sample to the satisfaction of the Engineer. The sample shall not be incorporated into the work and will be removed when ordered by the Engineer.

Follow all applicable manufacturer's requirements for environmental conditions, surface preparation, installation procedures, curing procedures, and materials compatibility. The Contractor is responsible for removing any material spatters from areas. The Contractor shall repair any damage that should arise from the installation or the clean-up effort.

Unless otherwise specified, the color of the detectable warning surface shall be red or as specified by engineer-in-charge. The color shall be uniform over the entire surface, and homogenous throughout the thickness of the material. The color of the pavers shall be as follows: Red shall be used with red brick sidewalks, dark gray shall be used with portland cement concrete and exposed aggregate sidewalk

If a color other than red is specified in the Contract documents, the coloring material shall be an approximate visual match to the specified colors. The color shall be uniform over the entire surface and homogenous throughout the thickness of the material.

There shall be a minimum of 70% contrast in light reflectance between the detectable warning and adjoining surface. The material used to provide visual contrast shall be an integral part of the detectable warning surface. Both the domes and the underlying surface must meet the contrast requirement.

The contrast in percent shall be determined by:

- (a) **Contrast = $[(B1 - B2) / B1] \times 100$**
where B1=light reflectance value (LRV) of the lighter area and B2=light reflectance value (LRV) of the darker area. Note that in any application both white and black are never absolute; thus, B1 never equals 100 and B2 is always greater than 0.
- (b) When visual contrast other than "safety yellow" is used, provide verification of contrast.

MEASURE

Detectable Pavers on Wheelchair Ramps will be measured as specified below:

DETECTABLE WARNING PAVERS ON NEW CONSTRUCTION OF WHEELCHAIR RAMPS: No separate measurement will be made for the Detectable Warning Pavers

DETECTABLE WARNING PAVERS ON EXISTING WHEELCHAIR RAMPS: Measurement will be made per Each wheelchair ramp for the Detectable Warning Pavers under Item 609 201, where work includes all the materials, tools, equipment, labor and necessary incidentals to install Detectable Warning Pavers on Each Wheelchair Ramp.

PAYMENT

Payment for the Detectable Warning Pavers on Wheelchair Ramps will be made as specified below:

DETECTABLE WARNING PAVERS ON NEW CONSTRUCTION OF WHEELCHAIR RAMPS: Payment for the Detectable Warning Pavers on new Wheelchair Ramps will be included in the contract unit price for the Wheelchair/Bicycle Ramp which payment will include furnishing and placing all materials tools, equipment, all labor and incidentals necessary to complete the work. There is no additional payment for job site samples and clean up.

DETECTABLE WARNING PAVERS ON EXISTING WHEELCHAIR RAMPS:
Payment for the Detectable Warning Pavers will be made under Pay Item 609 201.

C.2.14 TREE PROTECTION & REPLACEMENT, Item 611 007

Section 611 of the DDOT Standard Specifications for Highways and Structures, 2009 for Tree Guards, Tree and Root Protection and Replacement applies.

No separate payment shall be made for tree protection and the cost for tree protection shall be distributed in the contract pay items.

C.2.15 STEEL EDGING, Item 611 076

This S.P supplements 611 and 608 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

The Contractor shall install steel edging as directed by the Engineer. Steel edging shall be ¼” thick and 5” deep with a length to be determined at the location where it needs to be installed. Steel stakes, 18” deep shall be placed every 5ft. to support steel edging. Steel Edging shall be installed between the sidewalk and planting/tree space, ¼” to ½” below the top of sidewalk, as directed by the Engineer.

MEASURE AND PAYMENT: The unit of measure shall be linear foot. Payment will be made at the contract unit price per linear foot, which payment will include all labor, materials, tools, equipment and incidentals necessary to install the steel edging.

C.2.16 LIGHT EMITTING DIODE (LED) LUMINAIRE, ITEM: 618 115

DESCRIPTION

The Contractor shall furnish and install DDOT approved LED luminaire/fixture on streetlight poles identified on the contract documents or as specified by the Engineer.

The approved LED luminaire/fixture is by RoadMaster or its approved equivalent. Any LED luminaires must comply with DDOT’s General Requirements for LEDs (see Appendix) to be considered for installation.

The general specifications for the fixture are as follows:

1. Physical

Wattage: As specified in contract document
Bulb Type: IP66 LED
Base Type: Mogul
Bulb Coating: See contract documents
Max Overall Length (In.): 25
Max Overall length (mm): 635
Photcell: Receptacle
Operating Temperature Range: -25 C to 50 C
Driver: 120-277VAC @ 50-60Hz
Vibration Protection: 3G

2. Photometric

Average Life in Hours: 100,000
Lumens (Initial): See contract documents
Lumens (Mean): See contract documents
Color Temperature (k): 4000-5000
Color Rendering Index (Ra) CRI (> or =): 65
Optics: Type II, III and V

MEASURE & PAYMENT

The unit of measure for Furnish and Install LED luminaire/fixture will be for each LED luminaire/fixture installed. Payment will be made at contract unit price for each luminaire/fixture installed. Payment will include all labor, tools, materials, equipment and all incidentals necessary to complete the work specified herein.

C.2.17 GEOTEXTILE FABRIC

This supplements section 822.09 in the District of Columbia, Department of Transportation, Standard Specifications for Highways and Structures, 2009

GeoTextile material shall be class ST and shall meet DDOT Standard Specifications.

C.2.18 ASPHALT PAVEMENT STAMPING, Item 405 015, 405 017

C.2.18.1 GENERAL

DESCRIPTION

Asphalt Pavement Stamping involves the heating of an asphalt pavement surface and then pressing a metal template into the surface to create imprints. The imprinted asphalt pavement surface is then coated with a coating or system of coatings specifically formulated for asphalt pavement.

The process involves a specialized process that requires the skill of a qualified applicator working with the proper equipment and applying highly specialized coating(s) designed specifically for application to asphalt pavement.

APPLICATION

The installer shall be able to demonstrate their ability to perform the work and submit reference of similar work performed in past 5 years, showing the methods used and a list of the major equipment to be used in the execution of the work for approval.

This list will include the asphalt pavement reheat machinery, spray equipment, compactor(s) and templates, the name of the coating(s) and the coating supplier's name, certified performance test results of the coating materials and confirmation of coating color(s).

C.2.18.2 EXECUTION

GENERAL

Pavement Stamping shall be performed by a Qualified Installer. The layout of the pattern shall be approved by the Engineer before the start of work.

SURFACE PREPARATION

The asphalt pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

HEATING THE ASPHALT PAVEMENT

- A. The optimal pavement temperature for imprinting the template is dependent upon mix design, modifiers used in the mix, the age of the pavement and weather. The surface temperature of the pavement should not exceed 325°F as determined by an infra-red thermometer reading taken after the heat is applied to the asphalt pavement.

B. In order to achieve the proper depth of imprint it is important to elevate the asphalt pavement temperature to a minimum depth of 1/2 inch (12.5mm) without burning the pavement surface. This can only be accomplished using asphalt pavement reheat equipment that is specifically designed for this Work.

C. Hand-held portable heating devices may be used only for areas where it is difficult to operate the re-heat machine. These may not be used as the primary pavement re-heating device.

SURFACE IMPRINTING

A. The pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

B. Once the asphalt pavement has reached imprinting temperature, the approved metal wire templates shall be placed in position and pressed into the surface using vibratory plate compactors. The top of the template is to be flush with the surrounding asphalt pavement and can then be removed. Areas that have an imprint depth less than 3/8 inch shall be re-heated and re-stamped prior to applying the coatings. Hand tooling is a permitted method to achieve proper imprint depth in areas difficult to get at with the template.

C. Vibratory Plate Compactors shall be used for pressing the templates into the heated asphalt pavement.

APPLICATION OF ASPHALT PAVEMENT COATING

A. The qualified applicator shall refer to the asphalt pavement coating supplier's recommendations for methods of application. Special care and attention must be paid to ensure asphalt pavement coatings are applied in environmental conditions that permit proper cure.

The Contractor shall only use pavement coating from qualified and approved suppliers and must submit the performance properties of the Asphalt Pavement Coating with the required certification issued by an approved testing facility, for approval by DDOT before application.

B. The coating application shall proceed as soon as possible upon completion of the imprinting of the asphalt pavement.

C. The pavement surface shall be completely dry and thoroughly cleaned prior to application of the asphalt pavement coating(s).

D. Depending upon the condition and age of the pre-existing pavement, primer may be required. Refer to the asphalt pavement coating supplier's specifications.

E. The qualified applicator shall use spray equipment specifically designed for the application of the coating(s). Specialized coating spray equipment must be used in the application of the coating and must be capable of applying the coating to the asphalt pavement surface in a thin, controlled film which will optimize the drying and curing time of the coating. More specifically, the spray equipment pump must be capable of providing a continuous recirculation of the coating in order to keep the solids within the coating in suspension.

F. Refer to the asphalt pavement coating supplier's recommendations for coating coverage rate, number of recommended passes and recommended film thickness.

OPENING TO TRAFFIC Minimally, the surface coating must be 100% dry before traffic is permitted. Refer to the asphalt pavement coating supplier's guide.

REFERENCES

- A. ASTM D-4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Tester.
- B. ASTM D-4060 Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser.
- C. ASTM D522-93A Standard Test Method for Mandrel Bend Test of Attached Organic Coatings.
- D. ASTM G-155 QUV Accelerated Weathering Environment. Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials.
- E. ASTM D-2486 MEK rub test for chemical resistance.
- F. ASTM E-303 British Pendulum test for friction.
- G. EPA 24 ASTM D3960-05 Volatile Organic Compounds.

C.2.18.3 MEASUREMENT AND PAYMENT

The unit of measure shall be in Square Yard (SY) for the actual area that has received the asphalt imprint. No deduction will be made for the area(s) occupied by manholes, inlets, drainage structures, bollards or by any public utility appurtenances within the area.

Payment shall include all labor, equipment, material and incidentals necessary to stamp asphalt and coating as per conditions set out in the contract.

SECTION D: PACKAGING AND MARKING

NOT APPLICABLE

SECTION E: INSPECTION AND ACCEPTANCE

E.1 INSPECTION AND ACCEPTANCE REQUIREMENTS

The inspection and acceptance requirements for the resultant contract shall be governed by clause number six (6) Inspection of Services of the Government of the District of Columbia's Standard Contract Provisions for use with Supplies and Services Contracts, dated March 2007.

- E.2** Locations will be pre-inspected by IPMA and work orders must be placed in writing by facsimile or e-mailed. The location will be inspected after the Contractor reports that the order is completed. The work order will be closed by IPMA at that time. If the work order has not been fully completed, e.g. debris or materials are left at the location, IPMA will call back the contractor to complete the work order as part of the original call at no additional charge to IPMA.

SECTION F: DELIVERIES OR PERFORMANCE

F.1 TERM OF CONTRACT

The term of the contract shall be for a period of one (1) year from date of award specified on the cover page of the contract.

F.2 OPTION TO EXTEND THE TERM OF THE CONTRACT

F.2.1 The District may extend the term of this contract for a period of four (4) one-year option periods, or successive fractions thereof by written notice to the Contractor before the expiration of the contract; provided that the District will give the Contractor preliminary written notice of its intent to extend at least thirty (30) days before the contract expires. The preliminary notice does not commit the District to an extension. The exercise of this option is subject to the availability of funds at the time of the exercise of this option. The Contractor may waive the thirty (30) day preliminary notice requirement by providing a written waiver to the Contracting Officer prior to expiration of the contract.

F.2.2 If the District exercises this option, the extended contract shall be considered to include this option provision.

F.2.3 The price for the option period shall be as specified in the contract.

F.2.4 The total duration of this contract, including the exercise of any options under this clause, shall not exceed five (5) years.

F.3 DELIVERABLES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

F.3.1 CONTRACTOR'S SUBMITTALS

F.3.1.1 The Contractor shall transmit three (3) copies and one (1) reproducible copy of the required submittals to the following office:

F.3.1.2 The Contractor shall submit copies of shop and working drawings to:

*Aaron Horton, P.E., Program Manager, Asset Management
Division
District Department of Transportation
55 M St SE, 5th floor
Washington, D.C. 20003*

F.3.1.3 **The Contractor shall submit copies of materials certifications and laboratory test reports to:**

*Wasi Khan, Chief, Quality Assurance and Quality Control
Division
District Department of Transportation
55 M St SE, 4th floor
Washington, D.C. 20003*

F.3.1.4 **The Contractor shall submit copies of shop and working drawings for sewers and water mains to:**

*Chief, Utility Inspection Section
D.C. Water and Sewer Authority
5000 Overlook Avenue, S.W.,
Washington, D.C. 20032*

SECTION G : CONTRACT ADMINISTRATION DATA

G.1 INVOICE PAYMENT

- G.1.1** The District will make payments to the Contractor, upon the submission of proper invoices, at the prices stipulated in this contract, for supplies delivered and accepted or services performed and accepted, less any discounts, allowances or adjustments provided for in this contract.
- G.1.2** The District will pay the Contractor on or before the 30th day after receiving a proper invoice from the Contractor.

G.2 INVOICE SUBMITTAL

- G.2.1** The Contractor shall submit proper invoices on a monthly basis or as otherwise specified in Section G.4. Invoices shall be prepared in duplicate and submitted to the agency Chief Financial Officer (CFO) with concurrent copies to the Contract Administrator (CA) specified in Section G.9 below. The address of the CFO is:

Name: Office of the Controller/Agency CFO
Address: Customer Care Division
2000 14th Street, N.W., 6th Floor
Telephone: (202) 671-2300

- G.2.2** To constitute a proper invoice, the Contractor shall submit the following information on the invoice:
- G.2.2.1** Contractor's name, Federal tax ID and invoice date (Contractors are encouraged to date invoices as close to the date of mailing or transmittal as possible.);
- G.2.2.2** Contract number and invoice number;
- G.2.2.3** Description, price, quantity and the date(s) that the supplies or services were delivered or performed.
- G.2.2.4** Other supporting documentation or information, as required by the Contracting Officer;
- G.2.2.5** Name, title, telephone number and complete mailing address of the responsible official to whom payment is to be sent;
- G.2.2.6** Name, title, phone number of person preparing the invoice;

G.2.2.7 Name, title, phone number and mailing address of person (if different from the person identified in G.2.2.6 above) to be notified in the event of a defective invoice; and

G.2.2.8 Authorized signature.

G.3 FIRST SOURCE AGREEMENT REQUEST FOR FINAL PAYMENT

G.3.1 For contracts subject to the 51% District Residents New Hires Requirements and First Source Employment Agreement requirements, final request for payment must be accompanied by the report or a waiver of compliance discussed in section H.3.5.

G.3.2 No final payment shall be made to the Contractor until the CFO has received the Contracting Officer's final determination or approval of waiver of the Contractor's compliance with 51% District Residents New Hires Requirements and First Source Employment Agreement requirements.

G.4 METHOD OF PAYMENT

G.4.1 Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the Contracting Officer. Such orders may be issued from date of award through one (1) year thereafter.

G.4.2 All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of a conflict between a delivery order or task order and this contract, the contract shall control.

G.4.3 If mailed, a delivery order or task order is considered "issued" when the District deposits the order in the mail. Orders may be issued by facsimile or by electronic commerce methods only if authorized in the Schedule.

G.4.4 All invoices shall be sent to TOA via email in the same format as it is received with the addition of a work completion date column. This same report shall be sent daily to TOA to report for work completion of the previous day's completed work. Any invoice that is not in this format will be sent back for revision. A sample worksheet is attached (Attachment J.1.5) and TOA will send it with the first work list. The work order numbers must always accompany the location on the invoice.

G.5 ASSIGNMENT OF CONTRACT PAYMENTS

G.5.1 In accordance with 27 DCMR 3250, the Contractor may assign funds due or to become due as a result of the performance of this contract to a bank, trust company, or other financing institution.

G.5.2 Any assignment shall cover all unpaid amounts payable under this contract, and shall not be made to more than one party.

G.5.3 Notwithstanding an assignment of contract payments, the Contractor, not the assignee, is required to prepare invoices. Where such an assignment has been made, the original copy of the invoice must refer to the assignment and must show that payment of the invoice is to be made directly to the assignee as follows:

Pursuant to the instrument of assignment dated _____,
make payment of this invoice to _____
(name and address of assignee).

G.6 THE QUICK PAYMENT CLAUSE

G.6.1 Interest Penalties to Contractors

G.6.1.1 The District will pay interest penalties on amounts due to the Contractor under the Quick Payment Act, D.C. Official Code §2-221.01 *et seq.*, for the period beginning on the day after the required payment date and ending on the date on which payment of the amount is made. Interest shall be calculated at the rate of 1% per month. No interest penalty shall be paid if payment for the completed delivery of the item of property or service is made on or before:

- G.6.1.1.1** the 3rd day after the required payment date for meat or a meat product;
- G.6.1.1.2** the 5th day after the required payment date for an agricultural commodity; or
- G.6.1.1.3** the 15th day after the required payment date for any other item.

G.6.1.2 Any amount of an interest penalty which remains unpaid at the end of any 30-day period shall be added to the principal amount of the debt and thereafter interest penalties shall accrue on the added amount.

G.6.2 Payments to Subcontractors

G.6.2.1 The Contractor must take one of the following actions within 7 days of receipt of any amount paid to the Contractor by the District for work performed by any subcontractor under a contract:

G.6.2.1 Pay the subcontractor for the proportionate share of the total payment received from the District that is attributable to the subcontractor for work performed under the contract; or

G.6.2.2 Notify the District and the subcontractor, in writing, of the Contractor's intention to withhold all or part of the subcontractor's payment and state the reason for the nonpayment.

G.6.2.2 The Contractor must pay any lower-tier subcontractor or supplier interest penalties on amounts due to the subcontractor or supplier beginning on the day after the payment is due and ending on the date on which the payment is made. Interest shall be calculated at the rate of 1% per month. No interest penalty shall be paid on the following if payment for the completed delivery of the item of property or service is made on or before:

G.6.2.2.1 the 3rd day after the required payment date for meat or a meat product;

G.6.2.2.2 the 5th day after the required payment date for an agricultural commodity; or

G.6.2.2.3 the 15th day after the required payment date for any other item.

G.6.2.3 Any amount of an interest penalty which remains unpaid by the Contractor at the end of any 30-day period shall be added to the principal amount of the debt to the subcontractor and thereafter interest penalties shall accrue on the added amount.

G.6.2.4 A dispute between the Contractor and subcontractor relating to the amounts or entitlement of a subcontractor to a payment or a late payment interest penalty under the Quick Payment Act does not constitute a dispute to which the District of Columbia is a party. The District of Columbia may not be interpleaded in any judicial or administrative proceeding involving such a dispute.

G.7 CONTRACTING OFFICER (CO)

Contracts may be entered into and signed on behalf of the District only by contracting officers. The name, address and telephone number of the Contracting Officer is:

*Jerry M. Carter, Contracting Officer
Office of Contracting & Procurement
District Department of Transportation
55 M St., S.E., 7th Floor
Washington, D.C. 20003
202-671-2288*

G.8 AUTHORIZED CHANGES BY THE CONTRACTING OFFICER

G.8.1 The Contracting Officer is the only person authorized to approve changes in any of the requirements of this contract.

G.8.2 The Contractor shall not comply with any order, directive or request that changes or modifies the requirements of this contract, unless issued in writing and signed by the Contracting Officer.

G.8.3 In the event the Contractor effects any change at the instruction or request of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any cost increase incurred as a result thereof.

G.9 CONTRACTING ADMINISTRATOR (CA)

G.9.1 The CA is responsible for general administration of the contract and advising the Contracting Officer as to the Contractor's compliance or noncompliance with the contract. In addition, the CA is responsible for the day-to-day monitoring and supervision of the contract, of ensuring that the work conforms to the requirements of this contract and such other responsibilities and authorities as may be specified in the contract. The CA for this contract is:

Name: Aaron Horton
Title: Program Manager, Infrastructure Project Management Administration
Agency: District Department of Transportation
Address 55 M St., SE, 5th floor
Telephone: 202-671- 4679

G.9.2 The CA shall not have authority to make any changes in the specifications or scope of work or terms and conditions of the contract.

G.9.3 The Contractor may be held fully responsible for any changes not authorized in advance, in writing, by the Contracting Officer; may be denied compensation or other relief for any additional work performed that is not so authorized; and may also be required, at no additional cost to the District, to take all corrective action necessitated by reason of the unauthorized changes.

SECTION H: SPECIAL CONTRACT REQUIREMENTS

H.1 PUBLICITY

The Contractor shall at all times obtain the prior written approval from the Contracting Officer before it, any of its officers, agents, employees or subcontractors, either during or after expiration or termination of the contract, make any statement, or issue any material, for publication through any medium of communication, bearing on the work performed or data collected under this contract.

H.2 FREEDOM OF INFORMATION ACT

The District of Columbia Freedom of Information Act, at D.C. Official Code § 2-532 (a-3), requires the District to make available for inspection and copying any record produced or collected pursuant to a District contract with a private contractor to perform a public function, to the same extent as if the record were maintained by the agency on whose behalf the contract is made. If the Contractor receives a request for such information, the Contractor shall immediately send the request to the CA designated in subsection G.9 who will provide the request to the FOIA Officer for the agency with programmatic responsibility in accordance with the D.C. Freedom of Information Act. If the agency with programmatic responsibility receives a request for a record maintained by the Contractor pursuant to the contract, the CA will forward a copy to the Contractor. In either event, the Contractor is required by law to provide all responsive records to the CA within the timeframe designated by the CA. The FOIA Officer for the agency with programmatic responsibility will determine the releasability of the records. The District will reimburse the Contractor for the costs of searching and copying the records in accordance with D.C. Official Code § 2-532 and Chapter 4 of Title 1 of the *D.C. Municipal Regulations*.

H.3 51% DISTRICT RESIDENTS NEW HIRES REQUIREMENTS AND FIRST SOURCE EMPLOYMENT AGREEMENT

H.3.1 The Contractor shall comply with the First Source Employment Agreement Act of 1984, as amended, D.C. Official Code, sec. 2-219.01 et seq. (“First Source Act”).

H.3.2 The Contractor shall enter into and maintain, during the term of the contract, a First Source Employment Agreement, (Section J.2.4) in which the Contractor shall agree that:

H.3.2.1 The first source for finding employees to fill all jobs created in order to perform this contract shall be the Department of Employment Services (“DOES”); and

H.3.2.2 The first source for finding employees to fill any vacancy occurring in all jobs covered by the First Source Employment Agreement shall be the First Source Register.

H.3.3 The Contractor shall submit to DOES, no later than the 10th each month following execution of the contract, a First Source Agreement Contract Compliance Report (“contract compliance report”) verifying its compliance with the First Source Agreement for the preceding month. The contract compliance report for the contract shall include the:

H.3.3.1 Number of employees needed;

H.3.3.2 Number of current employees transferred;

H.3.3.3 Number of new job openings created;

H.3.3.4 Number of job openings listed with DOES;

H.3.3.5 Total number of all District residents hired for the reporting period and the cumulative total number of District residents hired; and

H.3.3.6 Total number of all employees hired for the reporting period and the cumulative total number of employees hired, including:

H.3.3.6.1 Name;

H.3.3.6.2 Social Security number;

H.3.3.6.3 Job title;

H.3.3.6.4 Hire date;

H.3.3.6.5 Residence; and

H.3.3.6.6 Referral source for all new hires.

H.3.4 If the contract amount is equal to or greater than \$100,000, the Contractor agrees that 51% of the new employees hired for the contract shall be District residents.

H.3.5 With the submission of the Contractor’s final request for payment from the District, the Contractor shall:

H.3.5.1 Document in a report to the Contracting Officer its compliance with the section H.3.4 of this clause; or

H.3.5.2 Submit a request to the Contracting Officer for a waiver of compliance with section H.3.4 and include the following documentation:

H.3.5.3 Material supporting a good faith effort to comply;

H.3.5.4 Referrals provided by DOES and other referral sources;

H.3.5.5 Advertisement of job openings listed with DOES and other referral sources; and

H.3.5.6 Any documentation supporting the waiver request pursuant to section

H.3.6 The Contracting Officer may waive the provisions of section H.3.4 if the Contracting Officer finds that:

- H.3.6.1** A good faith effort to comply is demonstrated by the Contractor;
- H.3.6.2** The Contractor is located outside the Washington Standard Metropolitan Statistical Area and none of the contract work is performed inside the Washington Standard Metropolitan Statistical Area which includes the District of Columbia; the Virginia Cities of Alexandria, Falls Church, Manassas, Manassas Park, Fairfax, and Fredericksburg, the Virginia Counties of Fairfax, Arlington, Prince William, Loudoun, Stafford, Clarke, Warren, Fauquier, Culpeper, Spotsylvania, and King George; the Maryland Counties of Montgomery, Prince Georges, Charles, Frederick, and Calvert; and the West Virginia Counties of Berkeley and Jefferson.
- H.3.6.3** The Contractor enters into a special workforce development training or placement arrangement with DOES; or
- H.3.6.4** DOES certifies that there are insufficient numbers of District residents in the labor market possessing the skills required by the positions created as a result of the contract.
- H.3.7** Upon receipt of the contractor's final payment request and related documentation pursuant to sections H.3.5 and H.3.6, the Contracting Officer shall determine whether the Contractor is in compliance with section H.3.4 or whether a waiver of compliance pursuant to section H.3.6 is justified. If the Contracting Officer determines that the Contractor is in compliance, or that a waiver of compliance is justified, the Contracting Officer shall, within two business days of making the determination forward a copy of the determination to the Agency Chief Financial Officer and the CA.
- H.3.8** Willful breach of the First Source Employment Agreement, or failure to submit the report pursuant to section H.3.5, or deliberate submission of falsified data, may be enforced by the Contracting Officer through imposition of penalties, including monetary fines of 5% of the total amount of the direct and indirect labor costs of the contract. The Contractor shall make payment to DOES. The Contractor may appeal to the D.C. Contract Appeals Board as provided in the contract any decision of the Contracting Officer pursuant to this section H.3.7.
- H.3.9** The provisions of sections H.3.4 through H.3.8 do not apply to nonprofit organizations.
- H.4** **HIRING OF DISTRICT RESIDENTS AS APPRENTICES AND TRAINEES**
- H.4.1** For all new employment resulting from this contract or subcontracts hereto, as defined in Mayor's Order 83-265 and implementing instructions, the Contractor shall use its best efforts to comply with the following basic goal and objectives for utilization of bona fide residents of the District of Columbia in each project's labor force:

H.4.1.1 at least fifty-one (51) percent of apprentices and trainees employed shall be residents of the District of Columbia registered in programs approved by the District of Columbia Apprenticeship Council.

H.4.2 The Contractor shall negotiate an Employment Agreement with the DOES for jobs created as a result of this contract. The DOES shall be the Contractor's first source of referral for qualified apprentices and trainees in the implementation of employment goals contained in this clause.

H.5 PROTECTION OF PROPERTY

The Contractor shall be responsible for any damage to the building, interior, or their approaches in delivering equipment covered by this contract.

H.6 AMERICANS WITH DISABILITIES ACT OF 1990 (ADA)

During the performance of the contract, the Contractor and any of its subcontractors shall comply with the ADA. The ADA makes it unlawful to discriminate in employment against a qualified individual with a disability. See 42 U.S.C. 12101 *et seq.*

H.7 SECTION 504 OF THE REHABILITATION ACT OF 1973, as amended.

During the performance of the contract, the Contractor and any of its subcontractors shall comply with Section 504 of the Rehabilitation Act of 1973, as amended. This Act prohibits discrimination against disabled people in federally funded program and activities. See 29 U.S.C. 794 (1983) *et seq.*

H.8 WAY TO WORK AMENDMENT ACT OF 2006

H.8.1 Except as described in H.12. 8 below, the Contractor shall comply with Title I of the Way to Work Amendment Act of 2006, effective June 9, 2006 (D.C. Law 16-118, D.C. Official Code §2-220.01 *et seq.*) ("Living Wage Act of 2006"), for contracts for services in the amount of \$100,000 or more in a 12-month period.

H.8.2 The Contractor shall pay its employees and subcontractors who perform services under the contract no less than the current living wage published on the OCP website at www.ocp.dc.gov.

H.8.3 The Contractor shall include in any subcontract for \$15,000 or more a provision requiring the subcontractor to pay its employees who perform services under the contract no less than the current living wage rate.

H.8.4 The Department of Employment Services may adjust the living wage annually and the OCP will publish the current living wage rate on its website at www.ocp.dc.gov.

H.8.5 The Contractor shall provide a copy of the Fact Sheet attached as J.1.5 to each employee and subcontractor who performs services under the contract. The

Contractor shall also post the Notice attached as J.1.5 in a conspicuous place in its place of business. The Contractor shall include in any subcontract for \$15,000 or more a provision requiring the subcontractor to post the Notice in a conspicuous place in its place of business.

- H.8.6** The Contractor shall maintain its payroll records under the contract in the regular course of business for a period of at least three (3) years from the payroll date, and shall include this requirement in its subcontracts for \$15,000 or more under the contract.
- H.8.7** The payment of wages required under the Living Wage Act of 2006 shall be consistent with and subject to the provisions of D.C. Official Code §32-1301 *et seq.*
- H.8.8** The requirements of the Living Wage Act of 2006 do not apply to:
 - H.8.8.1** Contracts or other agreements that are subject to higher wage level determinations required by federal law;
 - H.8.8.2** Existing and future collective bargaining agreements, provided, that the future collective bargaining agreement results in the employee being paid no less than the established living wage;
 - H.8.8.3** Contracts for electricity, telephone, water, sewer or other services provided by a regulated utility;
 - H.8.8.4** Contracts for services needed immediately to prevent or respond to a disaster or eminent threat to public health or safety declared by the Mayor;
 - H.8.8.5** Contracts or other agreements that provide trainees with additional services including, but not limited to, case management and job readiness services; provided that the trainees do not replace employees subject to the Living Wage Act of 2006;
 - H.8.8.6** An employee under 22 years of age employed during a school vacation period, or enrolled as a full-time student, as defined by the respective institution, who is in high school or at an accredited institution of higher education and who works less than 25 hours per week; provided that he or she does not replace employees subject to the Living Wage Act of 2006;
 - H.8.8.7** Tenants or retail establishments that occupy property constructed or improved by receipt of government assistance from the District of Columbia; provided, that the tenant or retail establishment did not receive direct government assistance from the District;
 - H.8.8.8** Employees of nonprofit organizations that employ not more than 50 individuals and qualify for taxation exemption pursuant to section 501(c)(3) of the Internal

Revenue Code of 1954, approved August 16, 1954 (68A Stat. 163; 26 U.S.C. § 501(c)(3));

H.8.8.9 Medicaid provider agreements for direct care services to Medicaid recipients, provided, that the direct care service is not provided through a home care agency, a community residence facility, or a group home for mentally retarded persons as those terms are defined in section 2 of the Health-Care and Community Residence Facility, Hospice, and Home Care Licensure Act of 1983, effective February 24, 1984 (D.C. Law 5-48; D.C. Official Code § 44-501); and

H.8.8.10 Contracts or other agreements between managed care organizations and the Health Care Safety Net Administration or the Medicaid Assistance Administration to provide health services.

H.8.9 The Mayor may exempt a contractor from the requirements of the Living Wage Act of 2006, subject to the approval of Council, in accordance with the provisions of Section 109 of the Living Wage Act of 2006.

H.9 SUBCONTRACTING REQUIREMENTS

H.9.1 Mandatory Subcontracting Requirements

H.9.1.1 For contracts in excess of \$250,000, at least 35% of the dollar volume shall be subcontracted to certified small business enterprises; provided, however, that the costs of materials, goods, and supplies shall not be counted towards the 35% subcontracting requirement unless such materials, goods and supplies are purchased from certified small business enterprises.

H.9.1.2 If there are insufficient qualified small business enterprises to completely fulfill the requirement of paragraph H.9.1.1, then the subcontracting may be satisfied by subcontracting 35% of the dollar volume to any certified business enterprises; provided, however, that all reasonable efforts shall be made to ensure that qualified small business enterprises are significant participants in the overall subcontracting work.

H.9.1.3 A prime contractor which is certified as a small, local or disadvantaged business enterprise shall not be required to comply with the provisions of sections H.9.1.1 and H.9.1.2.

H.9.2 Subcontracting Plan

If the prime contractor is required by law to subcontract under this contract, it must subcontract at least 35% of the dollar volume of this contract in accordance with the provisions of section H.9.1. The prime contractor responding to this solicitation which is required to subcontract shall be required to submit with its bid, a notarized statement detailing its subcontracting plan. Bids responding to this IFB shall be deemed nonresponsive and shall be rejected if the bidder is required to subcontract, but fails to submit a subcontracting plan with its bid. Once the plan is approved by the CO,

changes to the plan will only occur with the prior written approval of the CO and the Director of DSLBD. Each subcontracting plan shall include the following:

- H.9.2.1** A description of the goods and services to be provided by SBEs or, if insufficient qualified SBEs are available, by any certified business enterprises;
- H.9.2.2** A statement of the dollar value of the bid that pertains to the subcontracts to be performed by the SBEs or, if insufficient qualified SBEs are available, by any certified business enterprises;
- H.9.2.3** The names and addresses of all proposed subcontractors who are SBEs or, if insufficient SBEs are available, who are certified business enterprises;
- H.9.2.4** The name of the individual employed by the prime contractor who will administer the subcontracting plan, and a description of the duties of the individual;
- H.9.2.5** A description of the efforts the prime contractor will make to ensure that SBEs, or, if insufficient SBEs are available, that certified business enterprises will have an equitable opportunity to compete for subcontracts;
- H.9.2.6** In all subcontracts that offer further subcontracting opportunities, assurances that the prime contractor will include a statement, approved by the contracting officer, that the subcontractor will adopt a subcontracting plan similar to the subcontracting plan required by the contract;
- H.9.2.7** Assurances that the prime contractor will cooperate in any studies or surveys that may be required by the contracting officer, and submit periodic reports, as requested by the contracting officer, to allow the District to determine the extent of compliance by the prime contractor with the subcontracting plan;
- H.9.2.8** A list of the type of records the prime contractor will maintain to demonstrate procedures adopted to comply with the requirements set forth in the subcontracting plan, and assurances that the prime contractor will make such records available for review upon the District's request; and
- H.9.2.9** A description of the prime contractor's recent effort to locate SBEs or, if insufficient SBEs are available, certified business enterprises, and to award subcontracts to them.

H.9.3 Subcontracting Plan Compliance Reporting.

If the Contractor has an approved subcontracting plan required by law under this contract, the Contractor shall submit to the CO and the Director of DSLBD, no later than the 21st of each month following execution of the contract, a Subcontracting Plan Compliance Report to verify its compliance with the subcontracting requirements for the preceding month. The monthly subcontracting plan compliance report shall include the following information:

- H.9.3.1** The dollar amount of the contract or procurement;
- H.9.3.2** A brief description of the goods procured or the services contracted for;
- H.9.3.3** The name of the business enterprise from which the goods were procured or services contracted;
- H.9.3.4** Whether the subcontractors to the contract are currently certified business enterprises;
- H.9.3.5** The dollar percentage of the contract awarded to SBEs, or if insufficient SBEs, to other certified business enterprises;

H.9.3.6 A description of the activities the Contractor engaged in, in order to achieve the subcontracting requirements set forth in its plan; and

H.9.3.7 A description of any changes to the activities the Contractor intends to make by the next month to achieve the requirements set forth in its plan.

H.9.4 Enforcement and Penalties for Breach of Subcontracting Plan

H.9.4.1 If during the performance of this contract, the Contractor fails to comply with its approved subcontracting plan, and the CO determines the Contractor's failure to be a material breach of the contract, the CO shall have cause to terminate the contract under the default clause of the Standard Contract Provisions.

H.9.4.2 There shall be a rebuttable presumption that a contractor willfully breached its approved subcontracting plan if the contractor (i) fails to submit any required monitoring or compliance report; or (ii) submits a monitoring or compliance report with the intent to defraud.

H.9.4.3 A contractor that is found to have willfully breached its approved subcontracting plan for utilization of certified business enterprises in the performance of a contract shall be subject to the imposition of penalties, including monetary fines of \$15,000 or 5% of the total amount of the work that the contractor was to subcontract to certified business enterprises, whichever is greater, for each such breach.

SECTION I: CONTRACT CLAUSES

I.1 APPLICABILITY OF STANDARD CONTRACT PROVISIONS

The Standard Contract Provisions for use with District of Columbia Government Supplies and Services Contracts dated March 2007 (“SCP”), are incorporated as part of the contract resulting from this solicitation. To obtain a copy of the SCP go to www.ocp.dc.gov, click on OCP Policies under the heading “Information”, then click on “Standard Contract Provisions – Supplies and Services Contracts”.

I.2 APPLICABILITY OF STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES

The Standard Specifications for Highways and Structures (SSHS), dated 2009, are incorporated as part of the contract resulting from this solicitation. To obtain a copy of the SSHS go to www.ddot.dc.gov, click on Engineering/Construction/Standards under the heading “Information”, then click on Standard Specifications for Highways and Structures.

I.3 CONTRACTS THAT CROSS FISCAL YEARS

Continuation of this contract beyond the current fiscal year is contingent upon future fiscal appropriations.

I.4 CONFIDENTIALITY OF INFORMATION

All information obtained by the Contractor relating to any employee or customer of the District will be kept in absolute confidence and shall not be used by the Contractor in connection with any other matters, nor shall any such information be disclosed to any other person, firm, or corporation, in accordance with the District and Federal laws governing the confidentiality of records.

I.5 TIME

Time, if stated in a number of days, will include Saturdays, Sundays, and holidays, unless otherwise stated herein.

I.6 RIGHTS IN DATA

I.6.1

“Data,” as used herein, means recorded information, regardless of form or the media on which it may be recorded. The term includes technical data and computer software. The term does not include information incidental to contract administration, such as financial, administrative, cost or pricing, or management information.

- I.6.2** The term “Technical Data”, as used herein, means recorded information, regardless of form or characteristic, of a scientific or technical nature. It may, for example, document research, experimental, developmental or engineering work, or be usable or used to define a design or process or to procure, produce, support, maintain, or operate material. The data may be graphic or pictorial delineations in media such as drawings or photographs, text in specifications or related performance or design type documents or computer printouts. Examples of technical data include research and engineering data, engineering drawings and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog item identifications, and related information, and computer software documentation. Technical data does not include computer software or financial, administrative, cost and pricing, and management data or other information incidental to contract administration.
- I.6.3** The term “Computer Software”, as used herein means computer programs and computer databases. “Computer Programs”, as used herein means a series of instructions or statements in a form acceptable to a computer, designed to cause the computer to execute an operation or operations. "Computer Programs" include operating systems, assemblers, compilers, interpreters, data management systems, utility programs, sort merge programs, and automated data processing equipment maintenance diagnostic programs, as well as applications programs such as payroll, inventory control and engineering analysis programs. Computer programs may be either machine-dependent or machine-independent, and may be general purpose in nature or designed to satisfy the requirements of a particular user.
- I.6.4** The term "computer databases", as used herein, means a collection of data in a form capable of being processed and operated on by a computer.
- I.6.5** All data first produced in the performance of this Contract shall be the sole property of the District. The Contractor hereby acknowledges that all data, including, without limitation, computer program codes, produced by Contractor for the District under this Contract, are works made for hire and are the sole property of the District; but, to the extent any such data may not, by operation of law, be works made for hire, Contractor hereby transfers and assigns to the District the ownership of copyright in such works, whether published or unpublished. The Contractor agrees to give the District all assistance reasonably necessary to perfect such rights including, but not limited to, the works and supporting documentation and the execution of any instrument required to register copyrights. The Contractor agrees not to assert any rights in common law or in equity in such data. The Contractor shall not publish or reproduce such data in whole or in part or in any manner or form, or authorize others to do so, without written consent of the District until such time as the District may have released such data to the public.

I.6.6 The District will have restricted rights in data, including computer software and all accompanying documentation, manuals and instructional materials, listed or described in a license or agreement made a part of this contract, which the parties have agreed will be furnished with restricted rights, provided however, notwithstanding any contrary provision in any such license or agreement, such restricted rights shall include, as a minimum the right to:

I.6.6.1 Use the computer software and all accompanying documentation and manuals or instructional materials with the computer for which or with which it was acquired, including use at any District installation to which the computer may be transferred by the District;

I.6.6.2 Use the computer software and all accompanying documentation and manuals or instructional materials with a backup computer if the computer for which or with which it was acquired is inoperative;

I.6.6.3 Copy computer programs for safekeeping (archives) or backup purposes; and modify the computer software and all accompanying documentation and manuals or instructional materials, or combine it with other software, subject to the provision that the modified portions shall remain subject to these restrictions.

I.6.7 The restricted rights set forth in section I.5.6 are of no effect unless

(i) the data is marked by the Contractor with the following legend:

RESTRICTED RIGHTS LEGEND

Use, duplication, or disclosure is subject to restrictions stated in Contract No. with _____; and

(ii) If the data is computer software, the related computer software documentation includes a prominent statement of the restrictions applicable to the computer software. The Contractor may not place any legend on the computer software indicating restrictions on the District's rights in such software unless the restrictions are set forth in a license or agreement made a part of the contract prior to the delivery date of the software. Failure of the Contractor to apply a restricted rights legend to such computer software shall relieve the District of liability with respect to such unmarked software.

I.6.8 In addition to the rights granted in Section I.5.6 above, the Contractor hereby grants to the District a nonexclusive, paid-up license throughout the world, of the same scope as restricted rights set forth in Section I.5.6 above, under any copyright owned by the Contractor, in any work of authorship prepared for or acquired by the District under this contract. Unless written approval of the

Contracting Officer is obtained, the Contractor shall not include in technical data or computer software prepared for or acquired by the District under this contract any works of authorship in which copyright is not owned by the Contractor without acquiring for the District any rights necessary to perfect a copyright license of the scope specified in the first sentence of this paragraph.

I.6.9 Whenever any data, including computer software, are to be obtained from a subcontractor under this contract, the Contractor shall use this clause, I.5, Rights in Data, in the subcontract, without alteration, and no other clause shall be used to enlarge or diminish the District's or the Contractor's rights in that subcontractor data or computer software which is required for the District.

I.6.10 For all computer software furnished to the District with the rights specified in Section I.5.5, the Contractor shall furnish to the District, a copy of the source code with such rights of the scope specified in Section I.5.5. For all computer software furnished to the District with the restricted rights specified in Section I.5.6, the District, if the Contractor, either directly or through a successor or affiliate shall cease to provide the maintenance or warranty services provided the District under this contract or any paid-up maintenance agreement, or if Contractor should be declared bankrupt or insolvent by a court of competent jurisdiction, shall have the right to obtain, for its own and sole use only, a single copy of the then current version of the source code supplied under this contract, and a single copy of the documentation associated therewith, upon payment to the person in control of the source code the reasonable cost of making each copy.

I.6.11 The Contractor shall indemnify and save and hold harmless the District, its officers, agents and employees acting within the scope of their official duties against any liability, including costs and expenses, (i) for violation of proprietary rights, copyrights, or rights of privacy, arising out of the publication, translation, reproduction, delivery, performance, use or disposition of any data furnished under this contract, or (ii) based upon any data furnished under this contract, or based upon libelous or other unlawful matter contained in such data.

I.6.12 Nothing contained in this clause shall imply a license to the District under any patent, or be construed as affecting the scope of any license or other right otherwise granted to the District under any patent.

I.6.13 Paragraphs I.6.6, I.6.7, I.6.8, I.6.11 and I.6.12 above are not applicable to material furnished to the Contractor by the District and incorporated in the work furnished under contract, provided that such incorporated material is identified by the Contractor at the time of delivery of such work

I.7 OTHER CONTRACTORS

The Contractor shall not commit or permit any act that will interfere with the performance of work by another District contractor or by any District employee.

I.8 SUBCONTRACTS

The Contractor hereunder shall not subcontract any of the Contractor's work or services to any subcontractor without the prior written consent of the Contracting Officer. Any work or service so subcontracted shall be performed pursuant to a subcontract agreement, which the District will have the right to review and approve prior to its execution by the Contractor. Any such subcontract shall specify that the Contractor and the subcontractor shall be subject to every provision of this contract. Notwithstanding any such subcontract approved by the District, the Contractor shall remain liable to the District for all Contractor's work and services required hereunder.

I.9 INSURANCE

Contractor shall procure and maintain, during the entire period of performance under this contract, the types of insurance specified below. The Contractor shall submit a certificate of insurance giving evidence of the required coverages prior to commencing work. All insurance shall be written with responsible companies licensed by the District of Columbia's Department of Insurance, Securities and Banking. The Contractor shall require all subcontractors to carry the insurance required herein, or Contractor may, at its option, provide the coverage for any or all subcontractors, and if so, the evidence of insurance submitted shall so stipulate. All insurance provided by the Contractor as required by this section, except comprehensive automobile liability insurance, shall set forth the District as an additional named insured. In no event shall work be performed until the required certificates of insurance have been furnished. The insurance shall provide for 30 days' prior written notice to be given to the District in the event coverage is substantially changed, canceled or non-renewed. If the insurance provided is not in compliance with all the requirements herein, the District maintains the right to stop work until proper evidence is provided.

I.9.1 Commercial General Liability Insurance, \$1,000,000 limits per occurrence, District added as an additional insured.

I.9.2 Automobile Liability Insurance, \$500,000 per occurrence combined single limit.

I.9.3 Worker's Compensation Insurance according to the statutes of the District of Columbia, including Employer's Liability, \$100,000 per accident for injury, \$100,000 per employee for disease, \$500,000 policy limit disease.

I.9.4 Umbrella/ Excess Liability Insurance, \$5,000,000 limits per occurrence.

I.10 EQUAL EMPLOYMENT OPPORTUNITY

In accordance with the District of Columbia Administrative Issuance System, Mayor's Order 85-85 dated June 10, 1985, the forms for completion of the Equal Employment Opportunity Information Report are incorporated herein as Section J.2.2. An award cannot be made to any offeror who has not satisfied the equal employment requirements.

I.11 ORDER OF PRECEDENCE

Any inconsistency in this solicitation shall be resolved by giving precedence in the following order: the Supplies or Services and Price/Cost Section (Section B), Specifications/Work Statement (Section C), the Special Contract Requirements (Section H), the Contract Clauses (Section I), and the SCP.

I.12 DEPARTMENT OF LABOR WAGE DETERMINATIONS

The Contractor shall be bound by the Wage Determination No. (2005-2012, Revision 14, dated 6/13/11) issued by the U.S. Department of Labor in accordance with the Service Contract Act and incorporated herein as Attachment J.1.2 of this solicitation. The Contractor shall be bound by the wage rates for the term of the Contract. If an option is exercised, the Contractor shall be bound by the applicable wage rate at the time of the option. If the option is exercised and the Contracting Officer for the option obtains a revised wage determination, that determination is applicable for the option periods; the Contractor may be entitled to an equitable adjustment.

SECTION J – LIST OF ATTACHMENTS

J.1 ATTACHMENTS INCORPORATED AS A PART OF THE CONTRACT

The following attachments and forms, which must be completed, are incorporated as part of the contract resulting from this solicitation:

- J.1.1** The Standard Contract Provisions for use with District of Columbia Government Supply and Services Contracts dated March 2007, (Attachment J.1.1) the District of Columbia Procurement Practices Act of 1985, as amended, and Title 27 of the District of Columbia Municipal Regulations. www.ocp.dc.gov
- J.1.2** Subcontractor Approval request Form
- J.1.3** Required Labor Contract Provisions
- J.1.4** Equal Employment Opportunity/ Affirmative Action Requirements
- J.1.5** Monthly Employment Utilization Report
- J.1.6** Equal Employment Opportunity- Employer Information Report
- J.1.7** General Decision Number DC120001, Modification No. 10 dated 7/6/2012
- J.1.8** First Source Employment Agreement
- J.1.9** Living Wage Act of 2006
- J.1.10** Living Wage Act of 2006