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 LF		

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,&replace 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/ ALLEY 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 Connect Pipe, 4 inch**	**50 LF**		
CLIN 0056 Pay item: #603012	**Underdrain Connect Pipe, 6 inch**	**50 LF**		
CLIN 0057 Pay item: #603014	**Underdrain Connect 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 BRICK 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**	**$ 5000.00**	**$ 5000.00**
Grand Total for B.3.5				

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) or match existing. The size of the pavers shall have a tolerance plus or minus 2 inches in the width and length.. The thickness (depth) of stone may vary between 4 and 7 inches, as approved by the Engineer for construction. 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.

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

A. 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. 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
Photcell: Receptacle
Operating Temeperature Range: -40 C to 50 C
Driver: 120-277VAC @ 50-60Hz
Vibration Protection: 3G

2. Photometric
Average Life in Hours: 60,000
Lumens (Initial): See contract documents
Lumens (Mean): See contract documents
Color Temperature (k): 4000 (or >)
Color Rendering Index (Ra) CRI (> or =): 70
Optics: Type II, III or V

B. MEASURE AND 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.

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.

C.2.19

Section 401.18 of DDOT Standard Specifications for Highways and Structures, 2009, Adjustment of Price for Asphalt Surface, applies."