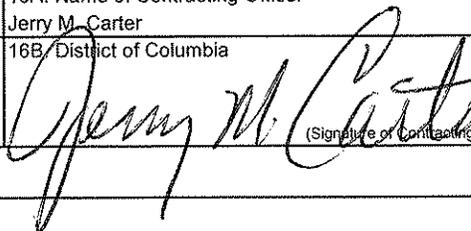


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract Number	Page of Pages 1 12	
2. Amendment/Modification Number Amendment 1		3. Effective Date See Box 16B		4. Requisition/Purchase Request No.	
5. Solicitation Caption Street Light Materials			6. Issued By: DISTRICT DEPARTMENT OF TRANSPORTATION Office of Contracting and Procurement 2000 14th Street, N.W., 6th Floor Washington, D.C. 20009		
7. Administered By (If other than line 6) DISTRICT DEPARTMENT OF TRANSPORTATION Office of Contracting and Procurement 2000 14th Street, N.W., 6th Floor Washington, D.C. 20009			Code		
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)			9A. Amendment of Solicitation No. DCKA-2009-B-0062		
			9B. Dated (See Item 11) 3/1/2010		
			10A. Modification of Contract/Order No.		
			10B. Dated (See Item 13)		
Code		Facility			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. Accounting and Appropriation Data (If Required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14					
A. This change order is issued pursuant to: (Specify Authority)					
The changes set forth in Item 14 are made in the contract/order no. in item 10A.					
B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2.					
C. This supplemental agreement is entered into pursuant to authority of:					
D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)					
<p>The Purpose of this amendment is to amend the following:</p> <p>1) Change the Bid Opening Date from March 01, 2010 to March 22, 2010</p> <p>2) Delete section J.3 and replace it with the attached revised section J.3. and;</p> <p>3) Delete section B.4 and replace it with the following:</p> <p>" Prospective bidders must fill out the Price Schedule, section B.5.1.1 through B.9.7 and submit it with Sections A through K, and all the required documentations and forms listed in Section J. Failure to submit pricing for all contract line items (CLINS) may result in a bid being deemed unresponsive."</p>					
Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect					
15A. Name and Title of Signer (Type or print)			16A. Name of Contracting Officer		
			Jerry M. Carter		
15B. Name of Contractor		15C. Date Signed		16B. District of Columbia	
				16C. Date Signed	
(Signature of person authorized to sign)				3/1/10	
		(Signature of Contracting Officer)			

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MATERIAL SPECIFICATIONS:

All materials and equipment used in the performance of the work shall meet requirements as specified. All materials shall be as described in the following sections.

LUMINAIRES WITH CUTOFF OPTICS HIGH PRESSURE SODIUM

70 Watt GE Cat # M2AC07S1M2GMC21 or approved equal
100 Watt GE Cat # M2AC10S1M2GMC31 or approved equal
150 Watt GE Cat # M2AC15S1M2GMC31 or approved equal
250 Watt GE Cat # M4AC25S0M2GMC32 or approved equal
400 Watt GE Cat # M4AC40S0M2GMC32 or approved equal

All Cut-off type luminaires shall be two door types with the ballast mounted on a door that can be removed. The ballast shall be prewired to the lamp socket and dead back terminal block, requiring that the customer make only the connection of the phase conductors to the terminal block. The one piece pipe clamp shall contain 4 bolts that do not pass through the housing. The clamp must be able to except 1 1/4 to 2 inch pipe bracket without having to rearrange the clamp. The ballast shall be a 120 volt magnetic regulator type for all 70W thru 150 W luminaires and a magnetic regulator multi tap 120/208/240/277 Volt for all 250W and 400W luminaires. The ballast shall start and operate the lamp in ambient temperatures down to -40 F The ballast shall be in full compliance with lamp-ballast specifications from the lamp manufacturer at the time of manufacture.

The luminaires shall contain a formed aluminum reflector and a flat heat/impact resistant glass lens. The optical assembly shall not allow light above 90 degrees the luminaires shall contain a non-wicking felt gasket for all 70W thru 150W luminaires and a filter for all 250W and 400W luminaires.

LUMINAIRES WITH CUTOFF OPTICS METAL HALIDE

100 Watt GE Cat # M2AC10M1H2GSC21 or approved equal
175 Watt GE Cat # M2AC17M1A2GSC21 or approved equal
250 Watt GE Cat # M4AC25M1A2GSC21 or approved equal
400 Watt GE Cat # M4AC40M1A2GSC21 or approved equal

The cut-off luminaires shall be a two door type with the ballast assembly mounted on a separate removable door. The ballast shall be prewired to the lamp socket and the dead back terminal block, requiring that the customer make only the connection of the phase conductors to the

J.3 Street Light Materials

terminal block. The one piece pipe clamp shall contain 4 bolts that do not pass through the housing. The clamp must be able to except 1 1/4 to 2 inch pipe bracket without having to rearrange the clamp. The ballast shall be a 120/208/240/277 volt Auto-regulator type, capable of starting and operating one 400W Metal Halide lamp within the limits specified by the lamp manufacture. The ballast must start and operate the lamp in ambient temperatures down to -20 degrees F for the rated life of thee lamp. Ballast primary current during starting must not exceed normal operating current. The lamp current crest factor shall not exceed 1.8 for +10 percent line voltage variation at and lamp wattage form nominal through life. Lamp ballast system power factor shall not drop below 90 percent for +10 percent line voltage variation at any voltage form nominal through life. The luminaries shall contain a formed aluminum reflector and a flat heat/impact resistant glass lens. The optical assembly shall not allow light above 90 degrees. The luminaries must contain a filter to keep out contaminates

HIGH PRESSURE SODIUM CONVERSION KITS

70W GE Cat # KITS07S7MO99 or approved equal
100W GE Cat # KITS10S7MO99 or approved equal
150W GE Cat # KITS15S1M098 or approved equal
250W GE Cat # KITS25S1H071 or approved equal
400W GE Cat # KITS40S1H076 or approved equal

The kits shall be for 120 Volt operations and must fit into #14 and #16 casing for 70W thru 150W kits and #16 casing for the 250W and 400W kits. The kit shall include completely prewired magnetic regulator ballast for 100W thru 150W kits and High Power Factor Reactor ballast for 250W and 400W kits; with Mogal base lamp socket, terminal block and the necessary brackets for mounting the kits into the casing. The ballast shall be a magnetic regulator type capable of starting the lamp at -30 F. The lamp wattage shall not vary more than 18% over a + 10% voltage spread. The power factor shall not be less than 90%. The crest factor of lamp current shall not exceed 1.7 for +-10% line voltage variation at any lamp voltage form nominal through life for 100W thru 150W kits.

The ballast for the 250W and 400W, lamp wattage for nominal line voltage and nominal voltage the ballast design center will not vary more than 5% from rated lamp watts. At any lamp voltage, form nominal through life, the lamp wattage regulation spread at that lamp voltage shall not exceed 25% for +-5% line voltage variation. The ballast must reliably start and operate the lamp in ambient temperatures down to -30 F for the rated life of the lamp. Ballast primary current during starting may exceed normal operating current. The lamp current crest factor shall not exceed 1.8 for +-5% line voltage variation at any lamp voltage, from nominal through life. The power factor of the lamp ballast system shall not drop below 90% for +- 10% line voltage variations at any lamp voltage from nominal through life. The ballast shall be capable of starting and operating one 250W (250w Kit) or one 400W (400w kit) watt High Pressure Sodium Vapor lamp from a nominal 120 volt 60 Hz power source within the limits specified by the lamp manufacturer. The ballast, including the starting aid, must protect itself against mogul lamp

J.3 Street Light Materials

failure modes. The ballast shall be capable of operation with the lamp in an open-or short circuit-condition for six months without significant loss of ballast life.

LAMPS

GE 70 Watt HPS lamp with Mogul Base # LU70 (Lucalox High Pressure Sodium) or approved equal

GE 100 Watt HPS lamp with Mogul Base # LU100 (Lucalox High Pressure Sodium) or approved equal

GE 150 Watt HPS lamp with Mogul Base # LU150/55 (Lucalox High Pressure Sodium) or approved equal

GE 250 Watt HPS lamp with Mogul Base # LU250 (Lucalox High Pressure Sodium) or approved equal

GE 400 Watt HPS lamp with Mogul Base # LU400 (Lucalox High Pressure Sodium) or approved equal

GE 175 Watt MH lamp with Mogul Base # MVR175/C/U (Multi Vapor Metal Halide) or approved equal

GE 400 Watt MH lamp with Mogul Base # MVR400/C/U (Multi Vapor Metal Halide) or approved equal

All lamps are to be new, unused and in manufactures wrappers. The Contractor will submit all lamp data to the Engineer for approval before ordering. The Contractor will supply the Engineer with copies of all manufactures lamp warranties. The Contractor will store all lamps according to manufacture specifications until installed and accepted by the District.

All lamps shall be as specified and shall be of the same type and performance specified by the luminaries or conversion kit manufacturer.

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TWIST LOCK PHOTO ELECTRIC CONTROLS

Dark to light cycling photocell

DTL Twist Lock PC # DD124-1.5 STMA or approved equal

Photoelectric controls shall meet or exceed all requirements of ANSI C 136.24 and shall meet the following:

1. Turn ON light level: 1.5 ± 0.5 ft-c.
2. Turn OFF light level: 3.0 ft-c. (Maximum)
3. Turn-off ration: 1.5: 1
4. Operating Voltage: 105 to 305 VACS @ 60 Hz.
5. Control shall remove power from ballast and lamp after detecting 5 lamp cycles per night
6. Control shall reset each dust. Red flashing LED shall be visible in control window after the control detects HPS lamp cycling.
7. Operating Temperatures: -40 deg C to 70 deg C (-40 deg F to 158 deg F)
8. Moisture Resistance: 98 % RH
9. Maximum Fixture Size: 400 Watt HPS
10. Power consumption: 1.2 watts average
11. Method of Failure: Fail-off
12. Surge Protection: Shall be in the form of a Metal Oxide Varistor (MOV) wired line to neutral. MOV shall be a minimum of 160 Joules.
13. Housing Cover: High impact, UV Stabilized Polypropylene, Black in color.

J.3 Street Light Materials

14. Housing marking: Year of installation permanently marked, Serial Number, Voltage Range, Loading Rate to be clearly indicated.
15. Guarantee: 3 years for defective materials or workmanship.

ELECTRONIC BUTTON TYPE PHOTO CONTROL

Dark to light

DTL Button Type PC # DB120-1.5 ST 18'' Leads or approved equal

1. Photoelectric control must meet or exceed all requirements of proposed ANSI C136.24.
2. Line voltage operating range: 105-130 VACS @ 60 Hz.
3. Turn ON: Calibrate at 1.5 ± 0.5 ft-c.

Turn OFF: Maximum turn OFF 3.0 ft-c.

4. Photo sensor: Cadmium Sulfide cell shall be sealed to prevent moisture and contamination damage.
5. Failure mode (per ANIS): Control will fail on.
6. Time delay: Control must have instantaneous "ON" A 5 - 10 seconds "OFF" delay is required.
7. Surge protection: Shall be in the form of a Metal Oxide Varistor (MOV) wired line to neutral. MOV shall be a minimum of 100 joules.
8. Calibration: Each unit must be calibrated in production using a photometer whose accuracy is traceable to the NIST. 100% quality control inspection must be performed after calibration and final assembly.
9. Chatter: contract "chatter" on opening of contacts (turn OFF of photoelectric control) shall not exceed 5 milliseconds.
10. Housing: Housing of photoelectric control shall be opaque and of an impact and UV resistant material. Impact resistance of greater than 0.5 ft-lbs at -40 deg C is required. Maximum size, excluding nipple, is 2.3" x 1.3" x 1.3".
11. Drop test: Control must be cable of withstanding a drop of 3 feet to a concrete floor without causing damage to the housing or changing the electric operation.
12. Nipple: 3/8 - 18 straight pipe thread (NPSM). Length is .80". Two plastic lock nuts and O-ring shall be supplied.

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13. Lead wires: Leads shall be 18" long. #18 AWG stranded, type 1015 rated for 600 volts and 105 deg C. Color code is as follows: Black = line, Red = load, White = neutral.
14. Markings: The following must appear on the control: month, year of manufacture, individual serial numbers, complete model description, operating voltage range, load range, and country of origin.
15. Warranty: 4 years, one for control replacement.

SHORTING CAP

The cap shall fit into a standard Photocell receptacle and be gasket so as to form a seal to keep rain and snow from entering the receptacle. The cap should Prevent a fixed "on" or shorted contact to the luminaries.

TEARDROP FIXTURE

70 Watt HPS (small) Hadco Part/Item/Series # C1185N or approved equal
100 Watt HPS (small) Hadco Part/Item/Series # C1185M or approved equal
150 Watt HPS (small) Hadco Part/Item/Series # C1185F or approved equal
250 Watt HPS (large) Hadco Part/Item/Series # C1185H or approved equal
400 Watt HPS (large) Hadco Part/Item/Series # C1185G or approved equal

250 Watt MH (large) Hadco Part/Item/Series # C1185P or approved equal
400 Watt MH (large) Hadco Part/Item/Series # C1185O or approved equal

DECORATIVE LIGHTING ARM FOR WOOD POLE AND PENDANT POLE

Valmont Aluminum – Part No. 1MA0830B925B (used for Tear drops)
Description: 8' Aluminum decorative arm with scrolls for wood pole mount

Valmont Aluminum – Part No.: 1MA0324B925A (used for Tear drops)
Description: 3' Aluminum decorative arm with scrolls for wood pole mount

Valmont Steel – Part No.: DS50 8' LMA-FP/GV DECO (used for Tear drops)
Description: 8' double bend arm finish paint over Galvanize for Pendant pole

Hadco – Part/item/Series No.: CA 1185D-A or approved equal

J.3 Street Light Materials

Description: Decorative back for Pendant Pole (Polytech Wrap)

Union Metal – Part/item/Series No.: 30-B103 or approved equal
Description: UP turn decorative Teardrop arm for Wooden Pole

Union Metal – Part/item/Series No.: 30-B103 or approved equal
Description: UP turn decorative Teardrop arm for Pendant Pole

The lighting arm shall be 'DC Signature Decorative Type'. The main portion of the upsweep arm shall be made of aluminum meeting the requirements of 6063-T6 or 6061-T6. The arm shall have welded mounting bracket to attach to a wood pole. The arm must have sufficient tilt flexibility so that the arm and fixture is labeled when installed. The finish is to be Powder Coat DC Gray to Federal Color #16099, or Black to Federal Color # 27038. The color depends on the type of roadway and will be announced for each job or as directed by the Engineer. The Contractor must submit shop drawings of the hardware to be used to DDOT for review and approval for use in the contract.

EIGHT FOOT LONG MAST ARM AND CLAMP

Valmont Steel – Part No. DS36 8' LMA-FP/GV STD (used for Cobra Head))
Description: 8' single member arm finish paint over Galvanize for Pendant pole

Utility Metals – Part No. S200S080 (used for Cobra Heads)
Description: 8' Galvanized steel single guy rod arm for wood pole mount.

Utility Metals – Part No. S200S030 (used for Cobra Heads)
Description: 3' Galvanized steel Cantilever arm for wood pole mount.

a. Mast Arm

Units to be supplied must be identical to those in service. The arm shall be made from one (1) length of steel of not less than #12 gauge, and shall conform to the requirements of ASTM A 570 Grade 50. The arm shall be octagonal in cross section with a continuous taper of 0.17" to 0.23" per foot depending on the length of the arm.

The design of the arm shall fully comply with the latest edition of AASHTO Specifications for loads as specified. The manufacturer shall supply detail shop drawings and calculations for approval prior to fabrication. The arm length shall be as specified, with a removable end cap.

b. Clamp

The clamp shall be made of material conforming to ASTM A216 (WCB). The clamp shall be fabricated so as to provide full contact around the pole. The exterior of the clamp shall be smooth and fluted to provide an aesthetically pleasing connection between pole and arm.

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The clamp shall be fabricated to allow for arm elevation adjustments of eighteen inches (18") above or below the initial mounting height.

A smooth two-inch (2") diameter wiring hole shall be provided in the clamp to facilitate the wiring of signal heads via the arm interior.

Each clamp shall be furnished with high strength galvanized connecting bolts. These bolts are to be finished per specification.

c. Finish

Arm, clamp, and associated hardware shall be coated with fusion-bonded polyester, or an epoxy polyamide primer followed by an aliphatic polyester polyurethane finish.

Total film thickness shall be 4.5 - 6.5 mils, and color shall be D.C. gray. The manufacturer shall supply a color chip for approval prior to finishing.

A 6 oz. can of "touch up" paint shall be supplied with each arm assembly.

d. Handling

Handling and shipping shall not be performed until thoroughly dry. All items shall be wrapped for shipment, delivered, and unloaded in a manner to reduce abrading the coatings.

e. Shop Inspection

All items shall be of domestic manufacture, with the manufacturer providing full access to Washington, D.C. inspectors during fabrication and finishing.

Arm Mounting Mechanism: For regular pendant arm attachment, the 28'-6" posts will include a single welded simplex to accommodate 3 to 8 foot single member arm, or a double welded simplex to accommodate 3 to 8 foot truss type arm for post installed on structures; the 38'-6" posts shall include a double welded simplex to accommodate an 8, 10, 12 or 15 foot truss type arm. For decorative arm, the post will include necessary mounting mechanism to accommodate 1 or 2 eight (8) foot decorative arms.

Regular Pendant Arm: The arms will be fabricated from steel. The post and arm will be cleaned of all rolled-in mill scale, impurities and nonmetallic foreign materials. The welds will be cleaned of all weld flux. The post and arm to be degreased by immersion in a heated caustic solution, then pickled in a heated sulfuric acid solution. The base will then be rinsed in a fresh water bath to remove any residual effects of the caustic or acid baths. The post and arm will then be immersed in a concentrated zinc ammonium chloride solution and allowed to air dry before being galvanized. The post and arm are to be hot-dip galvanized to the requirements of either ASTM A123 or ASTM A153. The galvanized coating will be free of any debris or flux ash.

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Decorative Arm for Teardrop Fixture: The lighting arm shall be 'DC Signature Decorative Type'. This upsweep arm will be made of aluminum (meeting the requirements of 6063-T6), or steel (meeting ASTM A53). The arm shall have the desired rise from the mounting bracket on the post. The arm shall be welded to a cast simplex mounting bracket/plate, for attachment to the post. The finish is to be Powder Coat DC Gray to Federal Color #16099, or Black to Federal Color # 27038. The color will be announced for each job or as directed by the Engineer. The Contractor must submit shop drawings of the hardware to be used to DDOT for review and approval for use in the contract.

GLOBES AND GLASSWARE

GLOBES

The globe will be a one-piece blow molded high-impact strength polycarbonate. The globe will sit in the No. 16 (No. 118 Globe) or No. 14 casing (No. 192 Globe). The neck of the globe will be cut to a height of 7/16" +/- 0.060 in order that the set screws of the casing will hold the globe in place. The globe will be shatter proof and ultraviolet stable. It will be stippled, clear glass in appearance with initial 90% light transmission.

GLASSWARE

The replacement glassware must match the original in both size and pattern. In areas where the original glassware was broken due to vandalism the replacement glassware will be polycarbonate. In designated historic districts replacement globes on incandescent fixtures will be glass.

ALL OTHER SUPPLIES AND MATERIAL: The Contractor will submit three (3) catalog cuts along with one (1) sample for all parts and supplies that he proposes to use as part of this contract, which are not covered by the Material Specifications. The Contract Administrator will return one copy of the catalog cut approved to the Contractor before any material is ordered. The sample will remain with the Contract Administrator during the life of the contract, and will be returned the Contractor at the end of the contract. Should the Contractor wish to make changes in the type or brand of material used, he will submit the catalog cuts and sample for approval as called for in this section before starting to use the material in the performance of the contract.

SECTION B: SUPPLIES OR SERVICES AND PRICE

- B.1** The Government of the District of Columbia, Office of Contracting on behalf of the District Department of Transportation (DDOT), and Transportation Operations Administration (TOA) is seeking a contractor to supply streetlight materials.
- B.2** The District contemplates award of a firm-fixed price requirements contract for the items specified for a basic period of one (1) year with four (4) one (1) year options, with payment based on fixed unit prices. The Offeror shall deliver all items in accordance with the terms and conditions of the contract award.
- B.2.1** Delivery or performance shall be made only as authorized in accordance with the Ordering Clause, G.4. 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 shall not accept an ~~order providing for the accelerated delivery~~, the District may acquire the urgently required goods or services from another source.
- B.2.2** There is no limit on the number of orders that may be issued. The District may issue orders requiring delivery to multiple destinations.
- B.2.3** Any order 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 30 days following expiration of the contract.
- B.3** **Designation of Solicitation for the Small Business Set Aside Market Only**
- This Invitation for Bids is designated for certified small business enterprise (SBE) offerors only under the provisions of the "Small, Local, and Disadvantaged Business Enterprise Development and Assistance Act of 2005" (the Act), Title II, Subtitle N, of the "Fiscal Year 2006 Budget Support Act of 2005", D.C. Law 16-33, effective October 20, 2005.
- B.3.1** An SBE must be certified as small in the procurement category of Goods and Equipment in order to be eligible to submit a bid or proposal in response to this solicitation.
- B.4** Prospective bidders must fill out the Price Schedule, sections B.5.1.1 through B.9.7 and submit it with Sections A through K, and all the required documentation and forms listed in Section J. Failure to submit pricing for all contract line items (CLINS) may result in a bid being deemed unresponsive.