



REQUEST FOR PROPOSALS

Energy Efficiency Lighting Upgrade Parking Lots & Pathways

February 13, 2012

Proposal Deadline: Monday, March 5, 2012, 12:00pm

Overview

The City of Greenbelt, Maryland, has received a Federal grant for energy efficient lighting upgrades at certain City parking lots and pathways. As such, the City is seeking proposals for a Contractor who has demonstrated abilities to perform the attached Scope of Work.

This project is funded with a Energy Efficiency and Conservation Block Grant (EECBG) through the Maryland Energy Administration (MEA). The applicable federal, state, and local laws, ordinances and regulations must be adhered to.

Contractors submitting a proposal should review the procurement requirements listed on the MEA website with particular attention to: ARRA of 2009, Buy American requirements, Davis-Bacon Act, Copeland Act, Whistleblower Protection Act and Waste Management requirements. Additional information is available at <http://energy.maryland.gov/Govt/EECBG.html>. Potential Contractors should pay particular attention to the document labeled “Attachment D (revised July 2010) – ARRA Addendum – Special Terms and Conditions for ARRA-Funded EECBG Grants” available at <http://energy.maryland.gov/documents/RevisedARRAAddendumJuly2010.pdf>.

The contractor and the vendor are responsible for providing documentation that their product complies with the Buy American requirements, as outlined in the Guidance on Documenting Compliance with the Recovery Act Buy American Provisions information available on Department of Energy website at: http://www1.eere.energy.gov/recovery/buy_american_provision.html

Note: The Office of Energy Efficiency and Renewable Energy (EERE) have received a series of complaints from domestic manufacturers alleging that foreign competitors are fraudulently marketing their products as compliant with the Recovery Act Buy American provision. EERE reminds vendors/contractors that it is their responsibility to ensure that, for Recovery Act-funded projects, all iron, steel, and manufactured goods in public work are manufactured or produced in the United States.

Specifically, the selected Contractor selected will be required to:

- Execute a contract with the City of Greenbelt;
- Attend a pre-construction meeting where City staff will review EECBG regulations and other City requirements;
- Adhere to all requirements of the American Recovery & Reinvestment Act of 2009 (ARRA)
- Pay prevailing wage rates (Davis-Bacon Act) to employees who work on this project;
- Provide certified payroll documentation (Form WH-347 or equivalent) on a weekly basis;
- All iron, steel and manufactured goods must comply with ARRA Buy American requirements;
- Complete certain forms and certifications;
- Maintain General Liability Insurance (\$1,000,000 minimum); Workers Compensation Insurance (\$500,000) and business automobile liability (\$1,000,000) and furnish proof of such insurance;
- Post a performance/payment bond for 100% of the contract amount to cover faithful performance of and/or payment of the contract; and
- This is a time sensitive project. Work must be completed by May 15, 2012.

No Contractor who is the recipient of City funds, or who proposes to perform any work or furnish any goods under this agreement shall discriminate against any worker, employee, or applicant, or any member of the public because of race, color, sex, gender, sexual orientation, religion, age, marital status, national origin, veterans status, physical or mental disability or perceived disability, or other criteria protected by law. Discriminatory practices based on the foregoing are declared to be contrary to the public policy of the City. The City of Greenbelt complies with all Equal Employment Opportunity requirements.

The City of Greenbelt does not discriminate on the basis of disability in the admission of, or employment in, its programs, activities or services. Minority and women owned businesses, as well as Contractors located in Greenbelt or Prince George's County, are encouraged to submit proposals.

The Contractor shall be responsible for contacting Miss Utility as needed and for obtaining all permits required to be secured by professional trades as directed by state and/or local law. Unless otherwise provided in the Contract, the Contractor shall secure and pay for all permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work.

Site Inspection

Potential contractors are encouraged to visit the sites involved and familiarize themselves with the locations where this work will be performed. Any questions about the sites involved and associated working conditions should be directed to Timothy Houchens, Project Superintendent.

Proposal Submittal

Proposal responses shall be submitted on the Proposal Submission Form (pages 10 & 11). Proposals must include manufacturer's cut sheets. *All costs are to be final, including all time, materials and contingencies.*

Proposals must include a minimum of three professional references. These references should be attached to the Proposal Submittal Form and include current contact information including name, address, telephone number and email address.

Please direct any questions regarding proposal submission to the Project Manager listed on Page 9.

Completed proposals must be received no later than 12:00pm on Monday, March 5, 2012, and delivered to: City of Greenbelt, City Manager's Office, 25 Crescent Road, Greenbelt, MD 20770, clearly marked **"Proposal for Energy Efficiency Lighting Upgrade"**

NOTE: Proposals received after this deadline may be refused and deemed ineligible for consideration at the City's sole discretion

Selection of Contractor

The City will review all proposal submittals and if deemed to be in the best interest of the City of Greenbelt, a Contractor will be chosen. The City reserves the right to reject any and all proposals at its sole discretion. The City will determine final scope and project components, based on funding availability.

The Contractor selected will be required to submit a Certificate of Insurance naming the City of Greenbelt as an additional insured, which will be reviewed by the City Manager's Office. The Contractor will also be required to post a performance/payment bond for 100% of the contract amount to cover faithful performance and/or payment of the contract.

A contract will then be negotiated between the Contractor and the City of Greenbelt, with each agreeing to the terms of the contract and affixing authorized signatures. The contractor will be required to complete all forms and certifications required by the City, State and Federal governments.

SCOPE OF WORK

Proposal Requirements and Examination of Specifications

The contractor is required to thoroughly examine the Proposal requirements and specifications for the work contemplated, and it will be assumed that the contractor has investigated and satisfied as to the requirements of the specifications and special provisions. It is mutually agreed that submission of a proposal shall be considered prima facie evince that the bidder has made such examination.

Before submitting the proposal, the contractor shall study all the specifications and visit the site of the work to become familiar with the working conditions and the exact nature and extent of the work taking into account any special or unusual features peculiar to this project.

The work of this project involves alteration of existing electrical (if needed) and lighting systems to achieve the arrangement indicated on the specifications. The specifications for these areas show the changes to be made. The electrical contractor shall provide continuing electrical service for those existing portions of the project which will remain in operation at the end of every work day.

There will be a pre-proposal meeting on **February 27, 2012** at 10 am at the Greenbelt Municipal Building, 25 Crescent Road, Greenbelt, MD 20770 to discuss the Request For Proposal, including viewing existing conditions, specifications, proposal requirements and to answer questions. Contractors are required to attend this meeting. Proposals received from Contractors who do not attend this meeting may not be considered.

Scope

The City of Greenbelt seeks proposals from qualified contractors for the purpose of removing existing light fixtures and replacing them with Light Emitting Diode (LED) and Induction Street lighting fixtures as per the specifications and federal provisions of this project.

Project Description and Addresses

The City of Greenbelt is proposing to replace 80 street lighting fixtures. The City has obtained funding for this project through the American Recovery and Reinvestment Act (ARRA) of 2009- Energy Efficiency and Conservation Block Grant (EECBG) Program. Note that all fixtures must comply with all provisions set forth by the ARRA. This includes the Manufacturer shall submit documentation certifying compliance to the "Made in the USA" requirements as specified by the Federal Trade Commission.

In general, the work consists of furnishing all labor, materials, equipment, and incidentals required for the removal of existing street lighting fixtures identified in Table 1 and installation of new Light Emitting Diode (LED) and Induction lighting as identified in

Table 2. Existing light poles will be utilized. Stream Valley Path lighting has wood telephone poles. The other areas have square metal poles of similar type and varying heights. Stream Valley Path and Municipal & Roosevelt Center have single head fixtures on each pole. Schrom Hills Parking Lot and Community & Youth Center Parking Lot have two fixtures on each pole. Tables 1 and 2 identify fixtures to be replaced at each location, not the number of light poles.

Addresses

Schrom Hills Parking Lot
6915 Hanover Parkway
Greenbelt, MD 20770

Stream Valley Path
147 Crescent Road
Greenbelt, MD 20770

Municipal and Roosevelt Center
Parking Lots
25 Crescent Road
Greenbelt, MD 20770

Community and Youth Center
Parking Lots
15 Crescent Road
Greenbelt, MD 20770

Table 1: Existing Light Fixtures to be Replaced

Location	Fixture Type	Count	Bulb Watts	Fixture Watts
Schrom Hills Parking Lot	High Pressure Sodium	14	400	520
Stream Valley Path	High Pressure Sodium	24	150	165
Municipal & Roosevelt Center Parking Lots	Metal Halide	12	400	440
Community & Youth Center Parking Lots	Metal Halide	30	400	400

Table 2: Proposed New Lighting Fixtures

Bulb Watts and Fixture Watts are recommended by Maryland Energy Administration's (MEA) Technical Assistance Team member, Kherpra Energy Group who performed a field audit of the lighting fixtures identified in these specifications.

Item #	Location	Fixture Type	Count	Bulb Watts	Fixture Watts
1	Schrom Hills Parking Lot	LED	14	120	120
2	Stream Valley Path	Induction	24	85	98.6
3	Municipal & Roosevelt Center Parking Lots	LED	12	120	120
4	Community & Youth Center Parking Lots	LED	30	120	120

Pre-installation Requirements: No portion of the work requiring submission of a shop drawing, installation drawing, product data, sample, work description, subcontractor qualifications, government agency approvals, or City of Greenbelt approvals will be allowed to commence until a copy is submitted to the City and the City's Representative has confirmed in writing that the submittal is accepted.

The City of Greenbelt will require the successful contractor to install one LED fixture (at no cost) to verify that it fits on City light pole and arm in an efficient manner. The City reserves the right to reject the proposal if fixture doesn't properly attach to light pole and/or arm.

All lighting fixtures that are removed will be given to the City for proper disposal. Arrangements will be made with Contractor on how best to accomplish this task.

Specifications for LED Street Lighting Fixtures

Specifications for Items 3 (Municipal) and 4 (Community) from Table 2

LED “retrofit kits” will not be accepted. Complete fixtures- No Retrofits.

LED fixtures shall replace existing bronze box street light fixtures for locations identified as Items 3 and 4 in Table 2. Existing poles and fixtures are bronze and replacement fixtures should be of same color and similar look. LED fixture shall be made of cast aluminum housing with integral, weather-tight LED driver compartments and high performance aluminum heat sinks.

Fixture must be UL rated in the United States for wet locations and enclosure rated IP66.

The luminaire shall have a correlated color temperature (CCT) of 4,300 K +/- 300

Color Rendition index (CRI) shall be greater than 70

The manufacturer/vendor shall submit documentation of the calculated life expectancy of their LED fixture. The documentation provided shall demonstrate via the in-situ LED temperature data, IESNA LM-80 and LM-79 data, and lumen depreciation data provided by the LED chip manufacturer that the L70 lifetime of the fixture is 150,000 hours.

The wattage for the complete and assembled fixture unit (not just the LED power usage) shall be provided at the time of bid opening. Each complete and assembled fixture unit shall be comparable to what is specified in Table 2.

Light distribution shall be in accordance with IESNA Type V lighting distribution. Fixture should also be available in a Type II lighting distribution.

Luminaires shall be classified as “full-cutoff” and be dark sky compliant.

The cooling system (heat dissipation) shall be passive and not include fans, pumps, or liquids. Any heat sink devices shall be of such a design as to be resistant to debris buildup so as not to degrade heat dissipation performance.

Provide new 9” cast aluminum mounting arm to mount to existing poles. Arm shall be bronze in color to match pole and fixture.

The LED driver shall be internal and the input voltage shall be “Universal” operating voltage 100-277 VAC (volt amperes current) and 50-60 HZ.

Provide 10kv surge protection.

Provide twist lock photo control receptacle and dusk to dawn sensor.

Operating Environment: Luminaire shall be able to operate normally in temperatures from -30° C to 40° C.

Beta Lighting ARE-EDG-5M-DA-12-D-UL-BZ-350-R or equal.

Specifications for Items 1 (Schrom Hills)

All specifications identified in Items 3 and 4 are to be followed, with the following exceptions:

Instead of photo control receptacle provide integrated motion sensor with multi-level control and field adjustable settings.

Beta Lighting ARE-EDG-5M-DA-12-D-UL-BZ-350-ML(75/525) or equal.

Additive Alternative 1

As an additive alternative please provide a cost to provide a time clock or similar control device for the lights at Schrom Hills park and any additional wiring if required to allow lighting fixtures to dim to unoccupied mode at night when park is closed.

All other specifications as identified in Items 3 and 4 will remain constant and the only change will be to:

Provide Hi/Lo circuit input for use with time clock or other similar control device.

Beta Lighting ARE-EDG-5M-DA-12-D-UL-BZ-350-HL (75/350/525,dual circuit input)or equal.

Specifications for Induction Street Lighting

Specifications for Item #2 (Stream Valley) in Table 2

- Provide 80 watt cobra head type induction fixture to replace existing 150 watt HPS fixtures. If 80 watt fixtures are not available provide fixture that is comparable to what is identified in Table 2.
- 5000 kelvin temperature
- 100,000 hour rated lamp life
- Type II reflector
- 120V
- Aluminum fixture housing with powder coat finish
- High impact drop glass lens
- Include twist lock photo control receptacle and dusk to dawn sensor
- UL Listed for wet locations
- ARRA Compliant
- Remove existing mounting brackets and replace with new UL approved Cobra Head Mounting Bracket Arm. Mounting brackets shall be cantilever style mounting to wood poles. Mounting bracket shall be a minimum of 30" long with a 15" vertical rise and be made of 2" galvanized steel. Field verification will be required for lengths. Some mounting brackets may be longer than 30".

Additive Alternate Bid #2 for Additional Induction Fixtures

Provide a cost to replace existing 400W High Pressure Sodium street lights with 200W Cobra Head Type Induction street lights. All other specifications identified in Item #2 (Stream Valley) will remain the same, except for the wattage of the fixture and the 200W Cobra Head Induction Street Lights will be of Type V lighting.

Installation and Testing

Installed luminaries and electrical work shall conform to industry standards, manufactures recommendation, specifications and the National Electrical Code. The Contractor shall make all required connections to tie the newly installed fixtures into existing electrical power and make them operation as identified in the specifications.

The Contractor is responsible to obtain all necessary permits and have all the necessary licenses to do work in Prince George’s County and the City of Greenbelt.

Clean Up

Contractor is responsible to remove all debris and repair any damages daily as he finishes installing lighting fixtures.

Warranty

Product warranty must be provided for the full replacement of the fixture due to any failure for five (5) years. The warranty shall provide for the repair or replacement of defective electrical parts (including light source and power supplies/drivers) for a minimum of eight (8) years. Warranty shall be provided by contractor after project is completed.

Contact Information

For further information about this project, please contact the Project Manager as indicated below.

Project Manager:

Jim Sterling

Assistant Director of Public Works
City of Greenbelt
555 Crescent Road
Greenbelt, MD 20770

Office: 301-474-8004
Cell: 240-508-6620
Fax: 301-474-8149
E-mail: jsterling@greenbeltmd.gov

Project Superintendent:

Timothy Houchens

Facilities Maintenance Manager
City of Greenbelt
555 Crescent Road
Greenbelt, MD 20770

Cell: 240-508-7716
Fax: 301-474-8149
E-mail: thouchens@greenbeltmd.gov

City of Greenbelt Proposal Submission Form

Energy Efficiency Lighting Upgrade Parking Lots & Pathways

Proposal Schedule of Quantities and Prices

Base Quote for removal and installation of lighting fixtures

Item # From Table 2	Quantity	Unit	Description	Unit Price to Remove, Purchase and Install per Fixture	Total Amount per Item	Manufacture, Model and Make of Proposed Fixture
Item 1 Schrom Hills	14	EA	Remove existing 400W HPS fixture and replace with new LED fixture			
Item 2 Stream Valley	24	EA	Remove existing 150W HPS fixture and replace with new mounting bracket and Induction fixture			
Item 3 Municipal	12	EA	Remove existing 400W MH fixture and replace with new LED fixture			
Item 4 Community Center	30	EA	Remove existing 400W MH fixture and replace with new LED fixture			

Base Quote, Total of Items 1 through 4:

Additive Alternative Quote #1

Description	Total Cost to Purchase and Install 14 Fixtures as described.
Cost to provide specified fixture, associated incidentals, additional wiring (if needed), time clock or similar devices so that when park closes lights will dim to unoccupied mode.	

Note: This price is inclusive of all costs to provide lighting for Item #2 (Schrom) and would replace Item #2 on the base bid if the City chose this option.

Additive Alternative Quote #2

Quantity	Unit	Description	Unit Price	Amount	Manufacture, Make and Model of fixture
TBD	EA	Remove existing 400 W HPS fixture and replace with new mounting bracket and 200 W Induction lighting			

Signature required for successful proposal. Please remember to attach a minimum of three professional references.

The undersigned hereby agrees, if this Bid is accepted by the City, to provide the services and /or items in accordance with this Request for Bid and to execute a contract for such services and/or items.

Name of Firm or Company

Address of Firm or Company

Legal Name of Bidder

Phone Number

Authorized Signature

Date

Print or Type Name and Title

Email Address