

LIGHTING EQUIPMENT SPECIFICATIONS

REMOVAL AND DISPOSAL OF THE EXISTING LIGHTING SYSTEMS AT ALLEN POND PARK SOFTBALL FIELDS #1 & #2 AND MURTAGH SOCCER FIELDS #1 & #2, BOWIE, MARYLAND AND THE INSTALLATION OF A NEW LIGHTING SYSTEM AT THE FIELDS

Allen Pond Park Softball Fields #1 & #2 and Murtagh Soccer Fields #1 & #2 require the removal and disposal of the existing lighting systems and the installation of new Musco field lighting in accordance with City specifications. Use of the Light-Structure Green System is required.

Equipment Description

Vendor shall provide and deliver to the site the Light-Structure Green™ System in Five Easy Pieces™. The Light-Structure Green System shall consist of:

- Pre-cast concrete bases
- Galvanized steel poles (IBC 2000 90 MPH)
- UL Listed remote electrical component enclosures
- Pole length wire harnesses
- Factory-aimed and assembled luminaires

Also Includes:

- Energy savings of more than 50% over a standard lighting system
- 50% less spill and glare light than Musco's prior industry leading technology
- Musco Constant 25™ warranty and maintenance program that eliminates 100% of maintenance costs for 25 years, including labor and materials
- Guaranteed constant light level of 50 footcandles infield, 30 footcandles outfield for the Softball Fields, and 30 footcandles for the Soccer Fields, for 25 years, +/- 10% per IESNA RP-06-01
- One group re-lamp at the end of the lamps' rated life, 5000 hours
- Control Link® Control & Monitoring System for flexible control and solid management of lighting system
- Lighting Contractors

Installation Description

- Required electrical permits will be obtained by the contractor.
- Notification of Miss Utility will be the responsibility of the Contractor before work begins.
- Soil borings will be taken at each new pole location to confirm water table and soil conditions.

- Offloading, assembly, and installation of Light Structures, underground wiring and conduit, and lighting contactor panel by a licensed electrical contractor.
- Demolition and disposal of existing sports lighting system and electrical wiring from distribution panel to the pole top.
- All items will be properly and responsibly disposed of in a manner consistent with current recycling practices.
- Site must be maintained in a safe and clean order during entire project to allow continuous play on the ballfields.
- All disturbed areas must be stabilized with top soil, seed, and straw.
- The existing lighting system shall be left in place and operational throughout the installation process.
- There shall be no interruption of electrical service on or before November 7, 2011, and any such interruption shall not exceed 5 consecutive business days.

Notes

- If the soil borings reflect a high water table, steel casing will be required to install the Musco foundations. A Change Order will be negotiated with the contractor if required.

Credit

- In the event an AT&T cell tower is installed outside the right field fence on Softball Field #2, the installation of one 1.5" PVC conduit with wires to the base of the cell tower and removal of the existing pole and fixtures located near pole C4 location will be required. There will be a credit to the City of Bowie for the elimination of one pole and foundation, four fixtures, one crossarm, and one ballast enclosure.