



Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
Web Site: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)  
24 May 2012  
Addendum # 1

**Bid # 7449753**

**Title: Field Lighting System Replacement Project @ McCoy Stadium.**

**Submission Deadline: 6 June 2012 @ 11:30 AM (EDT)**

- The attendance list for the mandatory pre-bid meeting, held 5/24/12, is released in this addendum.
- An attachment entitled "Low Voltage Wiring Requirements", which was distributed at the pre-bid meeting, is also released in this addendum.
- Interested parties may submit e-mailed questions ([questions@purchasing.ri.gov](mailto:questions@purchasing.ri.gov)) no later than 5:00 PM Friday, May 25<sup>th</sup>.
- A meeting summary is currently being compiled and will be released in a subsequent addendum. Please monitor this website on a regular basis.

A handwritten signature in black ink, appearing to read "Jerome D. Moynihan", is located below the list of items.

Jerome D. Moynihan, C.P.M., CPPO  
Assistant Director for Special Projects





**Fiscal Year 2012 Maintenance, Repairs and Improvement Program  
Field Lighting System Replacement Project  
McCoy Stadium, Pawtucket, Rhode Island**

**SECTION 260519 - LOW-VOLTAGE CABLES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A Drawings and general provisions of the RFP and subsequent Contract apply to this Section

**1.2 SUMMARY**

- A This Section includes the following:
  - 1. Cables rated 600 V and less.
  - 2. Connectors, splices, and terminations rated 600 V and less.

**1.3 ACTION SUBMITTALS**

- A Product Data: For each type of product indicated

**1.4 INFORMATIONAL SUBMITTALS**

- A Field quality-control test reports

**PART 2 - PRODUCTS**

**2.1 CONDUCTORS AND CABLES**

- A Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - 1. Alcan Products Corporation; Alcan Cable Division.
  - 2. American Insulated Wire Corp.; a Leviton Company.
  - 3. General Cable Corporation.
  - 4. Senator Wire & Cable Company.
  - 5. Southwire Company
- B Multiconductor Cable: Copper conductors, comply with UL 62 and NEC Article 400 for Type SEOOW or SIOOW with ground wire



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**2.2 CONNECTORS AND SPLICES**

- A Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. AFC Cable Systems, Inc.
  2. Hubbell Power Systems, Inc.
  3. O-Z/Gedney; EGS Electrical Group LLC.
  4. 3M; Electrical Products Division.
  5. Tyco Electronics Corp.
- B Description: Factory-fabricated connectors and splices of size, ampacity rating, material, type, and class for application and service indicated.

**PART 3 - EXECUTION**

**3.1 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS**

- A Cord Drops in Light Standards (poles): Type SEOOW or STOOW, extra hard service cord with stainless-steel, wire-mesh, strain relief devices at terminations. Support weight of cable independently of cable termination in vertical application. Bundle cable(s) together and provide means to prevent insulation chafing against pole interior wall.

**3.2 INSTALLATION OF CONDUCTORS AND CABLES**

- A Conceal cables within poles.
- B Identify and color-code conductors and cables according to insulation color black, white and green.

**3.3 CONNECTIONS**

- A Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 486B
- B Make splices and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings than unspliced conductors.

**3.4 FIELD QUALITY CONTROL**

- A Tests and Inspections:



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1. After installing conductors and cables and before electrical circuitry has been energized, test cabling to each pole for compliance with requirements.
  2. Perform each applicable visual and mechanical inspection and electrical test stated in NEIA Acceptance Testing Specification. Certify compliance with test parameters.
- B. Test Reports: Prepare a written report to record the following:
1. Test procedures used.
  2. Test results that comply with requirements.
  3. Test results that do not comply with requirements and corrective action taken to achieve compliance with requirements.
- C. Remove and replace malfunctioning units and retest as specified above.

END OF SECTION 260519