Statement of Need

Project Title: Bravo S1 to T9 Wire Purchase

1. Objectives:

Provide and deliver a new #1/0 15KV 133% EPR tape shielded 220mil wire; 3,000 LF with cuts at 1000 ft

2. General Requirements:

Project includes, but is not limited to, the following work elements. The contractor shall furnish materials and incidentals. No alterations, additions, or deletions shall be made unless by prior approval of the government Project Manager and the government Procuring Contract Officer (PCO). The Contractor shall use SON requirements. Must be able to deliver Type MV-105 Cable is for use in aerial, direct burial, and underground duct installations as permitted by the NEC®. These cables are capable of operating continuously at a conductor temperature not in excess of 105°C for normal operation, 140°C for emergency overload conditions, and 250°C for short circuit
conditions, and are rated at 15,000 V, 133% insulation level (ungrounded system). This cable may be installed without the need for pulling lubricant.

3. Project Requirements

- The contractor shall procure and deliver a new wire with the minimum following characteristics or equal:
- **Specifications**
- **Conductor:**
- Annealed uncoated copper compact stranded per ASTM B-496.
- **Strand Screen:**
- Extruded semiconducting EPR strand screen. Meets or exceeds Electrical and physical requirements of ICEA S-93-639/NEMA WC74, AEIC CS8, CSA C68.10 and UL 1072.
- **Insulation:**
- Meets or exceeds electrical and physical requirements of ICEA S-93-639/NEMA WC74 & S-97-682, AEIC CS8,
- CSA C68.10 and UL 1072.
- **Insulation Screen:**
- Extruded semiconducting EPR insulation screen. Meets or exceeds electrical and physical requirements of ICEA S-93-639/NEMA WC74 & S-97-682, AEIC CS8, CSA C68.10 and UL 1072.
- **Shield:**
- 5 mil bare copper tape helically applied with 12.5% nominal overlap.

The contractor shall deliver the #1/0 15KV 133% EPR tape shielded 220mil wire; 3,000 LF with cuts @ 1000 ft, to address below. The contractor shall provide manufacturer warranty on the equipment.

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