SECTION 34 71 13

PEACEKEEPER CABLE BARRIER SYSTEM

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section including the following:

1. Crash-rated cable barrier system and foundation.

B. Related Work:

1. Section 03 300 0 - CAST-IN-PLACE CONCRETE for foundations.
2. Section 26 00 00 - ELECTRICAL for power supply.
3. Section 31 20 00 - EARTH MOVING for earthwork.

1.2 SUBMITTALS

A. Product Data: Submit manufacturer's product data and installation instructions.

B. Submit shop drawings showing plans, elevations, details of construction and relationship with adjacent construction.

1. Include foundations and reinforcement. Document foundation size is based on existing conditions and applicable loads.

1.3 QUALITY ASSURANCE

A. Manufacturer: Minimum of 5 years experience producing similar products.

B. Installer: Minimum of 2 years' experience installing similar products and acceptable to cable barrier system manufacturer.

C. Existing Utilities: Contact local utilities to verify location of underground utility locations prior to excavation.

D. Preinstallation Conference: Convene a conference before scheduled commencement of the Work. Agenda shall include schedule, responsibilities, and critical path items.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials in manufacturer's original containers with identification labels intact.

B. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Protect from weather damage and construction operations.

1.5 WARRANTY

A. Warranty: Provide manufacturer's standard limited against defects in product workmanship and material finish.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Basis-of-Design: PEACEKEEPER as manufactured by Bad Day Fabrication, 2415 Hilton Way, Gainesville, GA 30501; 470.760.6847, www.baddayfab.com.

1. Vehicular Crash Rating: ASTM F2656-20 or later with M50 impact condition designation. Cable barrier system can be procured with a certified penetration rating of: (Choose one)

   P1 (less than 1M of penetration) with line post spacing at 20', or

   P2 (Less than 7M of penetration) with line post spacing at 200'

   K-rated barrier systems tested under discontinued testing procedures, or any ASTM tested barriers before F2656-15 are not acceptable as an approved equal and will not be considered as equal.
2. Cable Strands: Two galvanized steel cables.
3. Spelter Sockets: Closed type.
4. Exterior Fastenings: Not acceptable. All cable termination points must be hidden inside of posts, and any external components for fastening cable on a crash post will be considered not acceptable.
5. Foundations: Reinforced concrete foundation in accordance with manufacturer's recommendations.

PART 3 - EXECUTION

3.1 PREPARATION

A. Examine substrates for compliance with requirements for installation. Do not begin installation until substrates have been properly constructed and prepared.

B. Confirm final grading is completed.

C. Verify existing underground utilities are clearly marked prior to excavation.

3.2 INSTALLATION

A. Install cable barrier system and foundations in accordance with manufacturer's recommendations, approved submittals and in proper relationship with adjacent construction.

B. Test for proper operation as recommended by manufacturer and adjust until satisfactory results are obtained.

3.3 CLEANING

A. Clean cable barrier system in accordance with manufacturer's recommendations. Touch-up and repair components to new condition.

END OF SECTION