

SECTION 16741

TELEPHONE

1. PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Telephone Service Entrance Raceway.
- B. Telephone Equipment.
- C. SBC or Verizon Service Entrance and Coordination with Owner.

1.2 RELATED SECTIONS

- A. Section 16111 - Conduit: Telephone service entrance raceway.

1.3 SUBMITTALS

- A. Submit product data under provisions of Section 01300 - Submittals.

1.4 PROJECT RECORD DOCUMENTS

- A. Submit record documents under provisions of Section 01700 – Contract Closeout.
- B. Accurately record location of service entrance conduit and phone outlet.

2. PART 2 PRODUCTS

2.1 TELEPHONE SERVICE

- A. Service to Detention Areas F, B, A Structures, Detention Area E Outlet Control Structure, and Detention Area E Inlet Control Structure.
- B. Owner shall pay installation service fees from telephone utility.
- C. Voice grade telephone lines and jacks.
  - 1. Two Voice lines and Jacks at control Cabinet in Detention Areas A, B, F Structures, Detention E Outlet Control Structure, and Detention Area E Inlet Control Structure for:
    - a. Auto dialer.
    - b. Telephone.

2.2 TELEPHONE

- A. Manufacturer: ITT or equal.
- B. Compatible with AT&T system equipment.
- C. Telephone shall be wired, and shall have at least 5 speed-dial keys.

- D. Wall mounted, touch tone, adjustable ring and adjustable voice volume handset.
- E. Five-year warranty.

### 3. PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Contractor to verify that surfaces are ready to receive Work.
- B. Verify that field measurements are as shown on the plans.
- C. Beginning of installation means Contractor accepts existing conditions.

#### 3.2 INSTALLATION

- A. Coordinate service installation with Owner, other Contractors, and utility company.
- B. Install telephone and jacks in accordance with manufacturer's instructions.
- C. Install voice telephone in location shown on the plans.
- D. Install telephone at height in compliance with Americans with Disabilities Act and Michigan Barrier Free Design.
- E. Install telephone jack for auto dialer in control Cabinet.
- F. Test all phone lines for proper operation.
- G. Connect Auto dialer to its line jack.

#### 3.3 START-UP

- A. Program alarm dialers with contact information provided by Owner and Engineer.
- B. Program speed-dial keys with numbers for each detention area control structure and the Owner's Office. Keys shall be labeled as to their calling location.
- C. With one-week notice, provide Owner with demonstration and training on Auto dialer operation at each control panel location.

END OF SECTION