Supplemental Specification
2005 Standard Specification Book

SECTION 13553M

ATMS CONDUIT

Delete Article 1.2 paragraphs I and J and replace with the following:

I. Section 13554: Polymer Concrete Junction Box

Delete Article 1.3 and replace with the following:

1.3 REFERENCES

A. ASTM D 2241: Standard Specification for Poly-Vinyl Chloride (PVC) Pressure-Rated Pipe (SDR Series)

B. American National Standards Institutes (ANSI)

C. American Wire Gauge (AWG)

D. American National Standards Institutes (ANSI)

E. International Municipal Signal Association (IMSA) Standards

F. National Electric Code (NEC)

G. National Electrical Manufacturers Association (NEMA)

H. Railroad Specifications

I. Underwriters Laboratory (UL)

Delete Article 2.1 paragraph H and replace with the following:

H. Provide fiber optic and electrical buried cable marker warning tape that meets the following requirements:
   1. Material: Composite reinforced thermoplastic.
   2. Tape Color: Orange (communication) or Red (electric).
   3. Text: Caution Buried Communication Cable or Caution Buried Electric (front and back).

4. Maximum distance between text: 5 feet.
5. Text Color: Black.
6. Width: 3-inch minimum (face or diameter).

Delete Article 2.1 paragraph I and replace with the following:

I. Provide 1 green insulated IMSA 51-3 #14 locator wire in 1-inch conduit in each trench where ATMS Conduit is installed. Place the locator wire conduit at the top of all other conduit in the trench as shown in AT series Standard Drawings. Install locator wire in existing non-multiduct conduit where new fiber optic cable is to be installed.

Delete Article 3.1 paragraph F and replace with the following:

F. Install all conduit bends to have a radius that is not less than the following:

1. 24 inches within the cabinet and pole foundations
2. 36 inches in all other locations

Delete Article 3.1 paragraph Q item 3 and replace with the following:

3. Reduced maximum spacing if horizontal or vertical deflection prevents the installation of cable within maximum tensile rating of the cable or location wire.

Delete Article 3.2 paragraph A and replace with the following:

A. Paved Surface (asphalt concrete):
1. Install T-patch over trenched area according to AT Series Standard Drawings.
2. Cut pavement from roadway to roadway base on both sides of trench to provide clean, straight wall for T-patch prior to any backhoe use per Section 02705.
3. Refer to AT series Standard Drawings for depth of flowable fill under paved surfaces.
4. Minimum soil compaction under pavement: 96 percent.
5. Evenly apply tack coat before final backfill.
6. Restoration patch: match the composition, density, and elevation (1/4 inch), of the existing surface per Section 02741.

Delete Article 3.3 paragraph F and replace with the following:

F. Install manufactured sweeps (11 1/4, 22 1/2, 45, 90 degree angle) with conduit compatible bell and spigot ends. Do not field bend conduit.

Add the following to Article 3.4:

C. Contain and remove all drilling fluid outside the bore immediately. Contractor's estimate will not be processed until all drilling fluid outside the bore has been removed and properly disposed of.

Add the following to Article 3.5:

C. Use existing conduit only in-situ and as approved by the Engineer or shown on design plans. Use new conduit on all new installations.