Lessons Learned on Monteagle

The Good, the Bad (Let’s skip the “Ugly”)
Firefox has encountered an unexpected problem with Windows
Lesson 1

• Make sure your plans agree with your specifications.

• Example 1. Fiber Testing.
NOTES:

1. 15kV 14.4kV x 7.2kV - 120V/240V 3PH VOLTAGE PAD-MOUNTED TRANSFORMER. CONTRACTOR SHALL INSTALL A & RATE 120V/240V W/ LOAD CENTER ON TRANSFORMER SECONDARY SIDE AS SHOWN ON SHEET 3R. PANELBOARD DETAIL IS SHOWN ON THIS SHEET.

2. EXISTING WARNING SIGN SHALL REMAIN FUNCTIONAL UNTIL PROPOSED SIGN IS INSTALLED AND FULLY OPERATIONAL.

3. CONTRACTOR TO VERIFY FINAL INSTALLATION LOCATION FOR THIS RADAR DETECTION SYSTEM, WITH REGARD TO DISTANCE FROM THE PROPOSED SPEED FEEDBACK SIGN, THIS DISTANCE, CURRENTLY SHOWN AT 300 FEET, MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.

INSERT A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

175 LAYOUT
1-24
MP 133.7
FOOK
1" = 100'

UNOFFICIAL SET
NOT FOR BIDDING
3. Standalone Acceptance Test (SAT)

   a. Perform an SAT on all fiber optic infrastructure on this project after field installation is complete, including, but not limited to, all splicing and terminations.

   b. An SAT for each fiber in each cable shall include OTDR Tests and Optical Attenuation Tests.

   c. All fibers in all FO Cables and FO Branch Cables shall be tested from termination point to termination point, including:

      i. fibers from FO Termination Cabinet to FO Termination Cabinet
      ii. fibers from FO Termination Cabinet to FO Branch Panel
      iii. fiber from FO Branch Panel to FO Branch Panel
      iv. fibers from FO Termination Cabinet to the end of the cable run in the last FO Closure

   d. All test results shall confirm compliance with this TSP including, but not limited to, optical fibers and fusion splices. No event in any given fiber may exceed 0.10
From TSP 725

4.3.14 b. An SAT for each fiber in each cable shall include OTDR Tests and Optical Attenuation Tests.

From Plans

CONTRACTOR SHALL CAP AND SEAL ANY UNUSED, NON-TERMINATED FIBERS AFTER COMPLETION OF PROPOSED NETWORK DEPLOYMENT.
Lesson 2

Know which configuration (Wye or Delta) power will be provided. Design for it.
Lesson 3

• The ordering of communication services such as T-1’s from Communication Providers needs to be started as soon as possible after the contract is let.
Lesson 4

• On a Rocky Mountain, bring a rock saw and have items in the contract for rock.
Lesson 5

• In the Precon Meeting, The contractor should be provided a list of ITS devices in the area/Region of the project.
Lesson 6

• Make detector for speed feedback sign far enough ahead of sign.