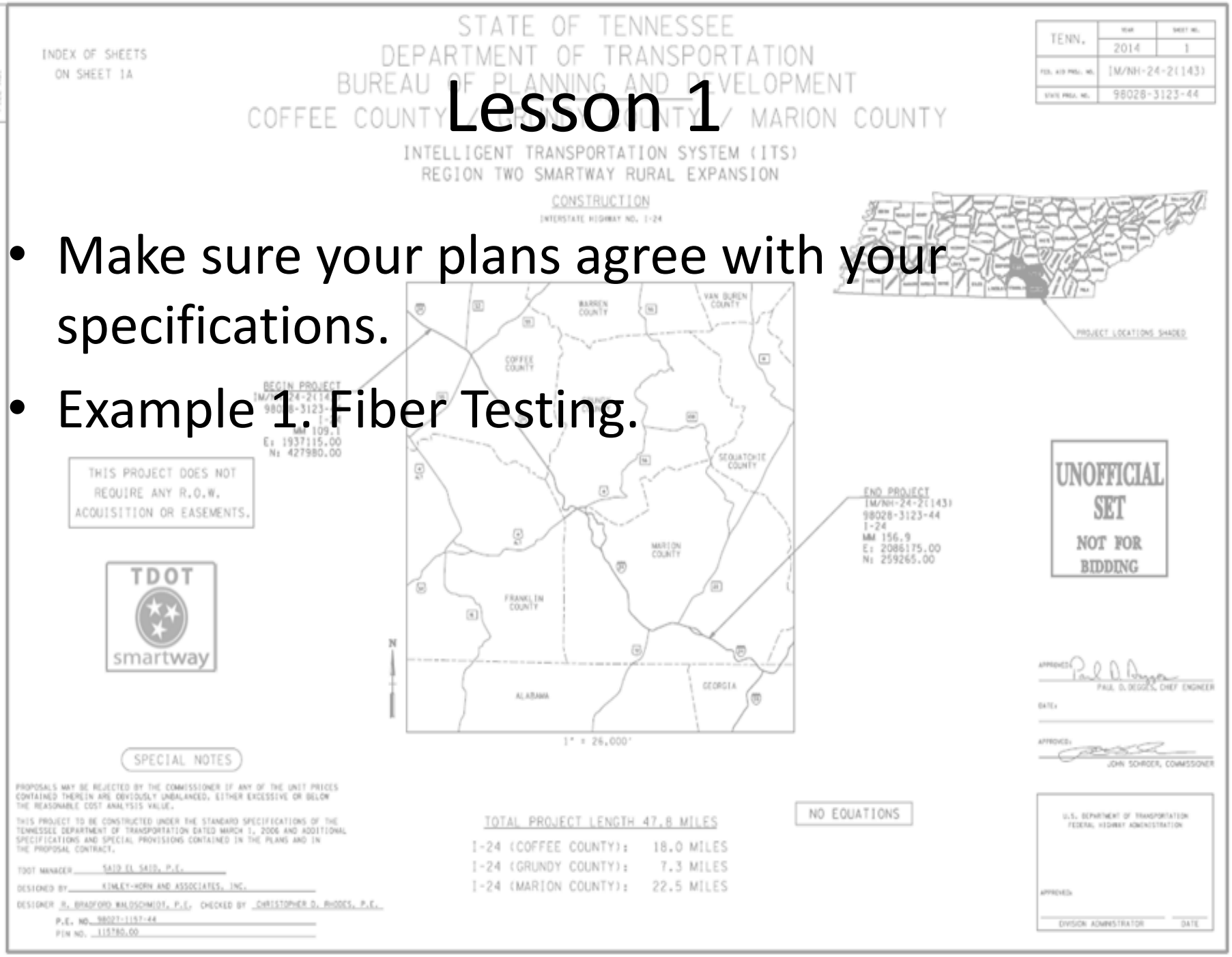
Lessons Learned on Monteagle

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.



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2014	IM/NH-24-2(143)	16

CONDUIT AND CABLE SCHEDULE

ITEM	RUN									
	A1				B1			C1	E1	E2
	O	B	W	BR	G	B	W	GR		
25KV #1/0 AWG CBL									2	
600V 1/C #4 AWG CBL									1	
#1/0 AWG CBL										4
48 SMFO CBL	1									
12 SMFO CBL					1					
RDS CBL								1		
CONDUIT SIZE AND TYPE	TYPE 4 CONDUIT BANK				TYPE 3 CONDUIT BANK			TYPE 1 CONDUIT BANK	4" CONDUIT	2" CONDUIT

PANELBOARD SCHEDULE

60 A, MAIN CIRCUIT BREAKER, 120/240 V., 1 PHASE, 3 WIRE, 10 KAIC MINIMUM

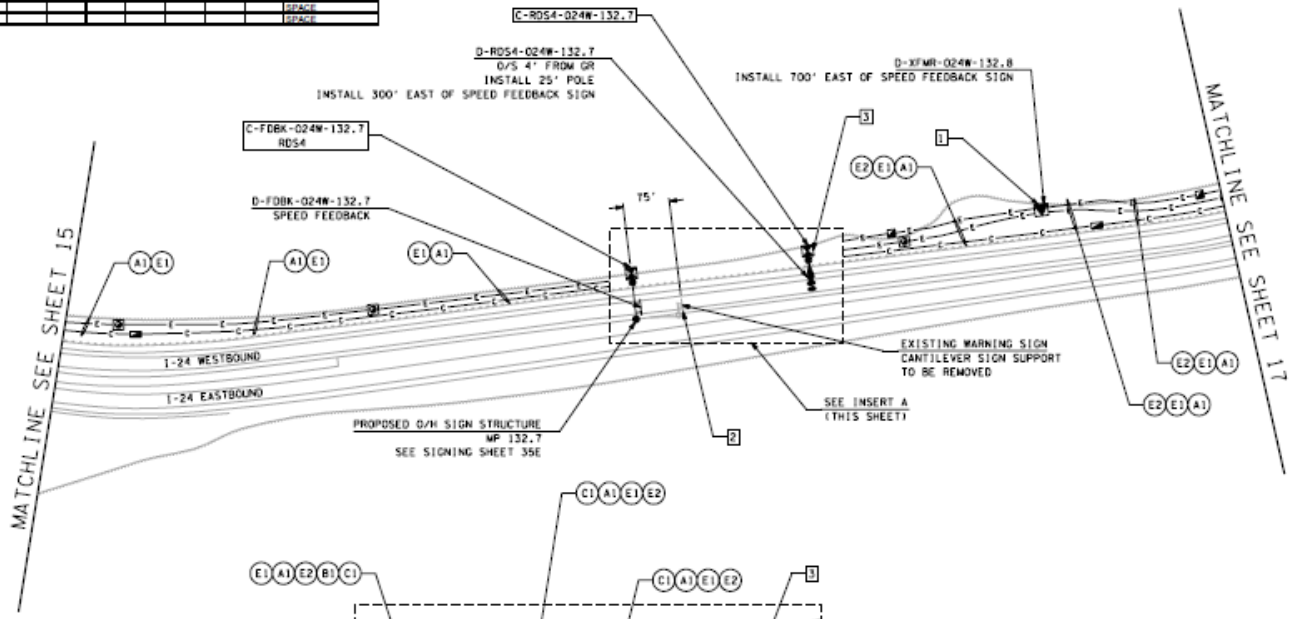
LOAD DESCRIPTION	BRKR AMPS	WIRE (AWG)	CKT NO	P1	P2	CKT NO	WIRE (AWG)	BRKR AMPS	LOAD DESCRIPTION
C-FDBK-024W-132.7 RDS4	15	1/0	1	x	x	2	1/0	15	C-CCTV-024E-132.9
SPACE									SPACE
SPACE									SPACE

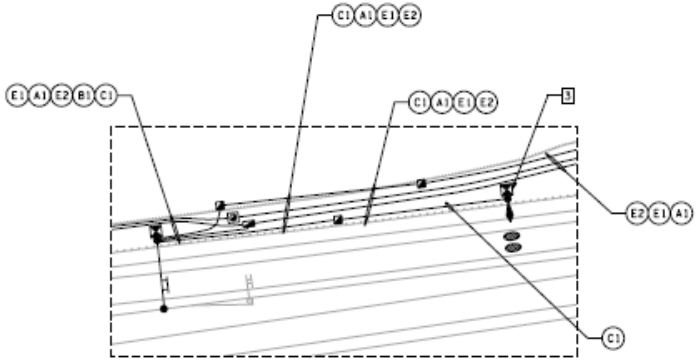
NOTES:

1. 15KVA, 14.4KV X 7.2KV - 120V/240V DUAL VOLTAGE PAD-MOUNTED TRANSFORMER. CONTRACTOR SHALL INSTALL A 6 SPACE 120V/240V MCB 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 COMPLETED 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
N.T.S.

UNOFFICIAL SET

NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ITS LAYOUT

I-24
MP 132.7
FDBK
1" = 100'

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

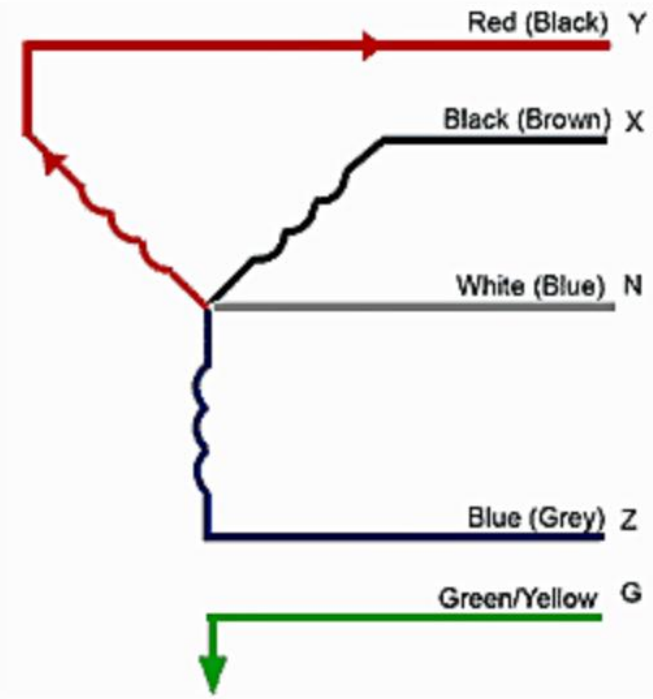
Attenuation Tests.

From Plans

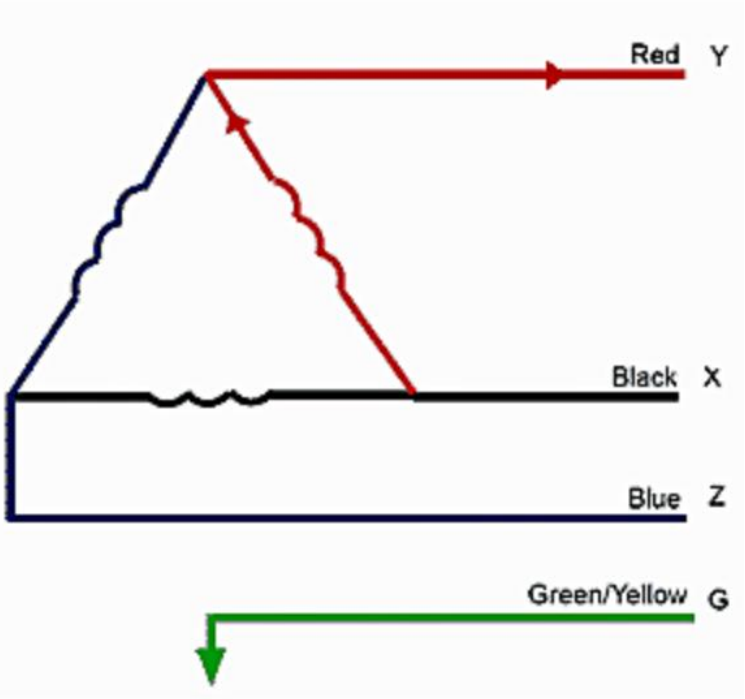
CONTRACTOR SHALL CAP AND SEAL ANY UNUSED, NON-TERMINATED FIBERS AFTER COMPLETION OF PROPOSED NETWORK DEPLOYMENT.

Lesson 2

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



3-Phase Wye



3-Phase Delta

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

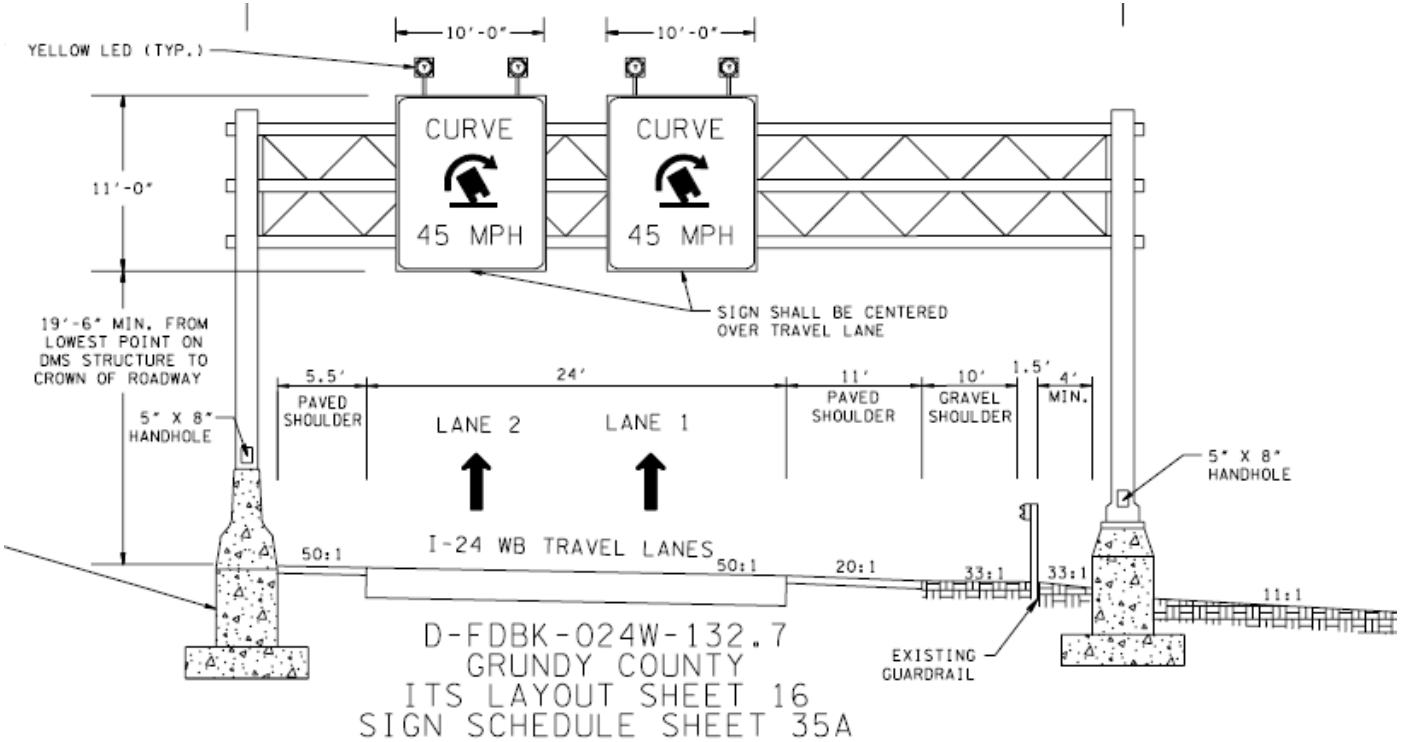
- On a Rocky Mountain, bring a rock saw and have items in the contract for rock.

Lesson 5

- In the Precon Meeeting, 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.



That's all Folks!
SUPERB wallpapers