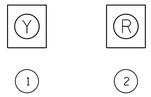
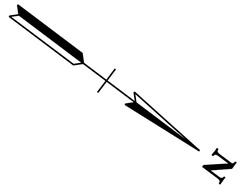
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

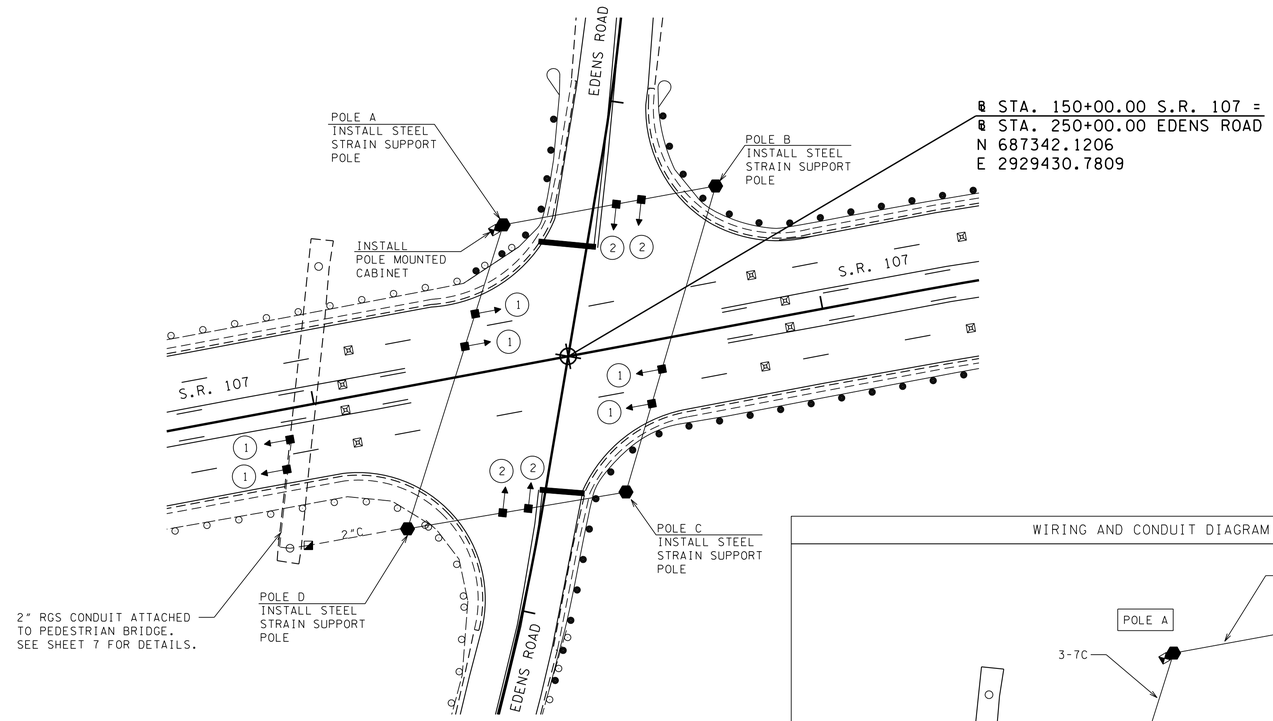
| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| R.O.W. | 2013 | HSIP-107(20) | 4 |
| CONST. | 2014 | HSIP-107(20) | 6 |
| | | | |
| | | | |

SIGNAL HEAD DETAILS

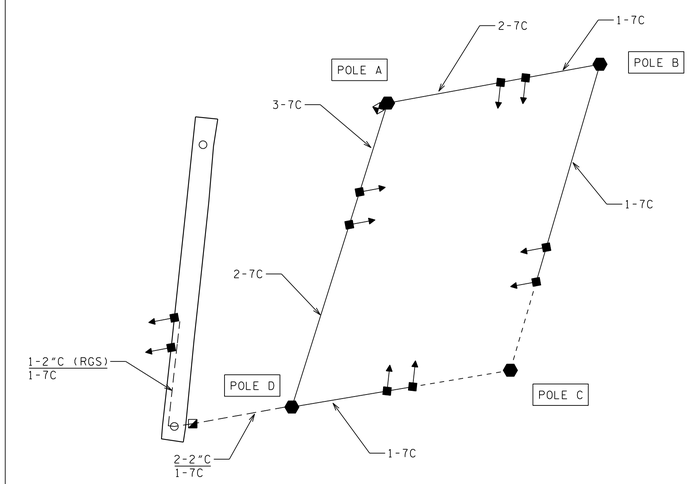



ALL SIGNAL HEADS SHALL BE
BLACK 12 INCH LED TYPE.




WIRING AND CONDUIT DIAGRAM




NOTES:

1) CONDUIT SHALL BE SCHEDULE 40 PVC
UNLESS OTHERWISE NOTED.

2) POWER SERVICE AND GROUND CONDUITS
AND CABLE NOT SHOWN.

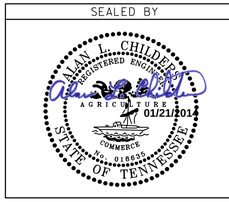
SUPPORT POLE DATA

| POLE NO. | POLE TYPE | STATION | OFFSET (FT.) | NORTHING | EASTING | GROUND ELEV. @ POLE | ATTACHMENT ELEV. | MOMENT CAPACITY (FT.-LBS.)* | FOOTING DEPTH (FT.)* |
|---|---|---|---|---|---|---|---|---|---|
| A | STEEL STRAIN | 149+84.50 | 54.5' L | 687291.4909 | 2929405.3059 | 1409.92 | 1437.92 | 254,605 | 21 |
| B | STEEL STRAIN | 150+68.00 | 54.5' L | 687347.9885 | 2929343.9238 | 1413.20 | 1441.20 | 254,605 | 21 |
| C | STEEL STRAIN | 150+12.50 | 55.5' R | 687391.5106 | 2929459.2175 | 1409.72 | 1437.72 | 254,605 | 21 |
| D | STEEL STRAIN | 149+26.50 | 54.0' R | 687332.6432 | 2929521.3956 | 1408.52 | 1436.52 | 254,605 | 21 |

* MOMENT CAPACITY AND FOOTING DEPTH ARE DESIGNED FOR FUTURE FULL SIGNAL.

ATTACHMENT HEIGHT FOR FUTURE FULL SIGNAL:
POLE A = 1438.92
POLE B = 1442.20
POLE C = 1438.72
POLE D = 1437.52

SEALED BY




COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 1.000100 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

# PROPOSED SIGNAL FLASHER LAYOUT

S.R. 107. AT
EDENS RD.

SCALE: 1"=30 '

1/20/2014 5:00:54 PM
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