

Index Of Sheets

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PRESENT LAYOUT
2A	PROPOSED SIGNAL LAYOUT
2B	PROFILES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

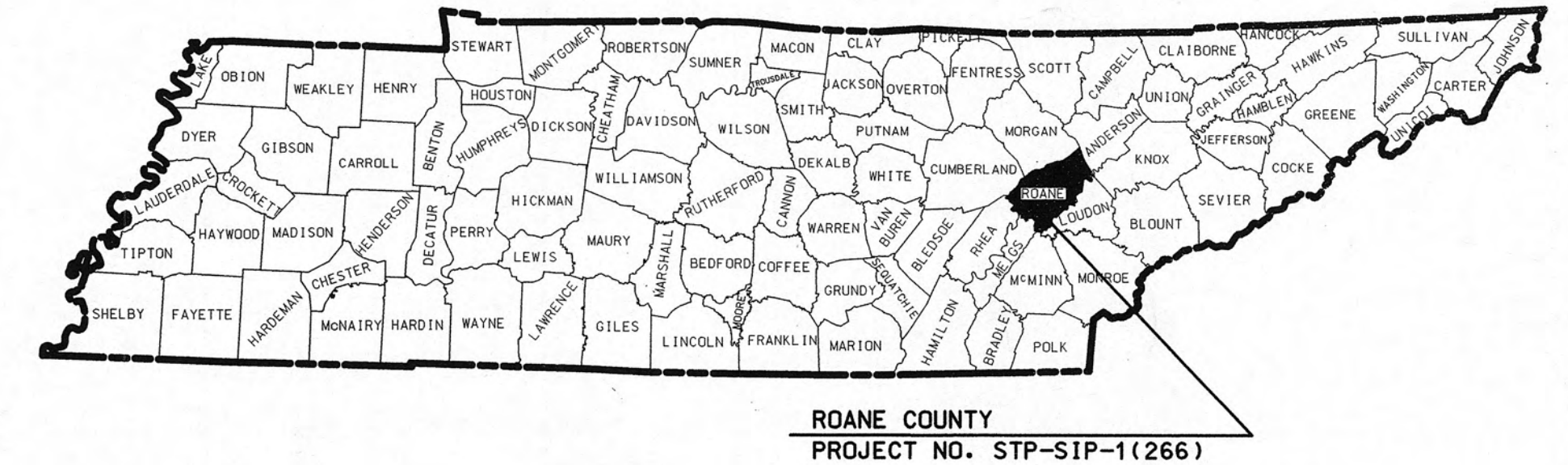
ROANE COUNTY

S.R. 1 (U.S. 70) AT GRIFFITH DR.
SIGNALIZATION IN HARRIMAN

UTILITY

STATE HIGHWAY NO. 1 F.A.H.S. NO. 1

TENN.	YEAR 2010	SHEET NO. 1
FED. AID PROJ. NO.	STP-SIP-1(266)	
STATE PROJ. NO.	73004-1221-94	



ROANE COUNTY
PROJECT NO. STP-SIP-1(266)

R.O.W.
PLANS
(UTILITIES ONLY)

NO RIGHT-
OF-WAY
REQUIRED

"NO EQUATIONS"
"NO EXCLUSIONS"

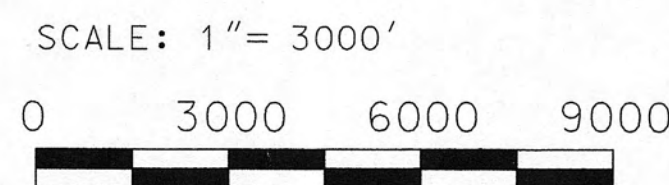
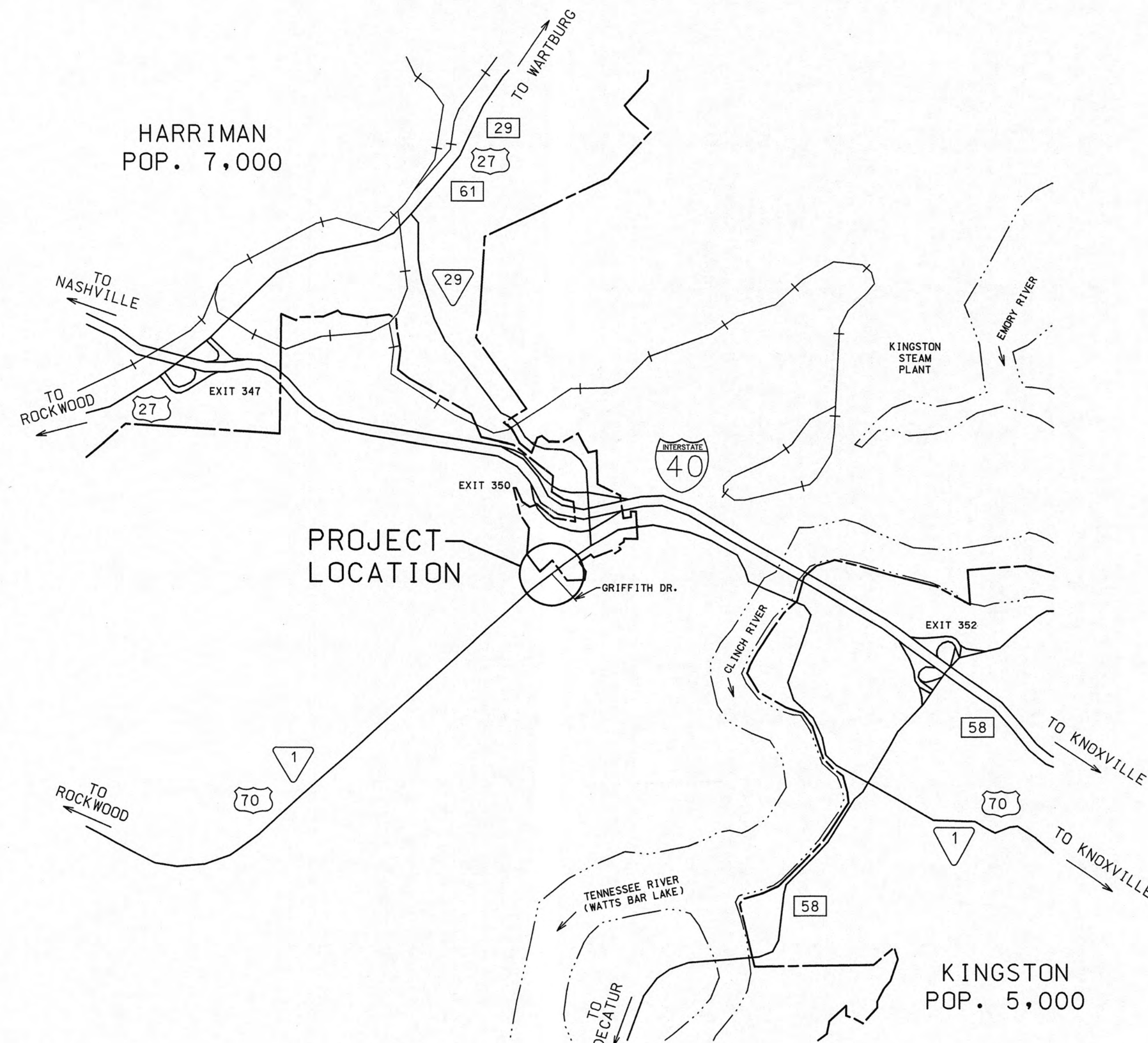
APPROVED: Paul D. Decker
CHIEF ENGINEER

DATE: _____

APPROVED: Sam F. Kelly
COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE



PROJECT LENGTH = 0.000 MILES

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 1 OR
TDOT DESIGN MANAGER 1 ROLAND L. JONES, P.E.

DESIGNED BY MATTERN & CRAIG RANDY DODSON
DESIGNER JASON CARDER, P.E. CHECKED BY RANDY BECKNER, P.E.

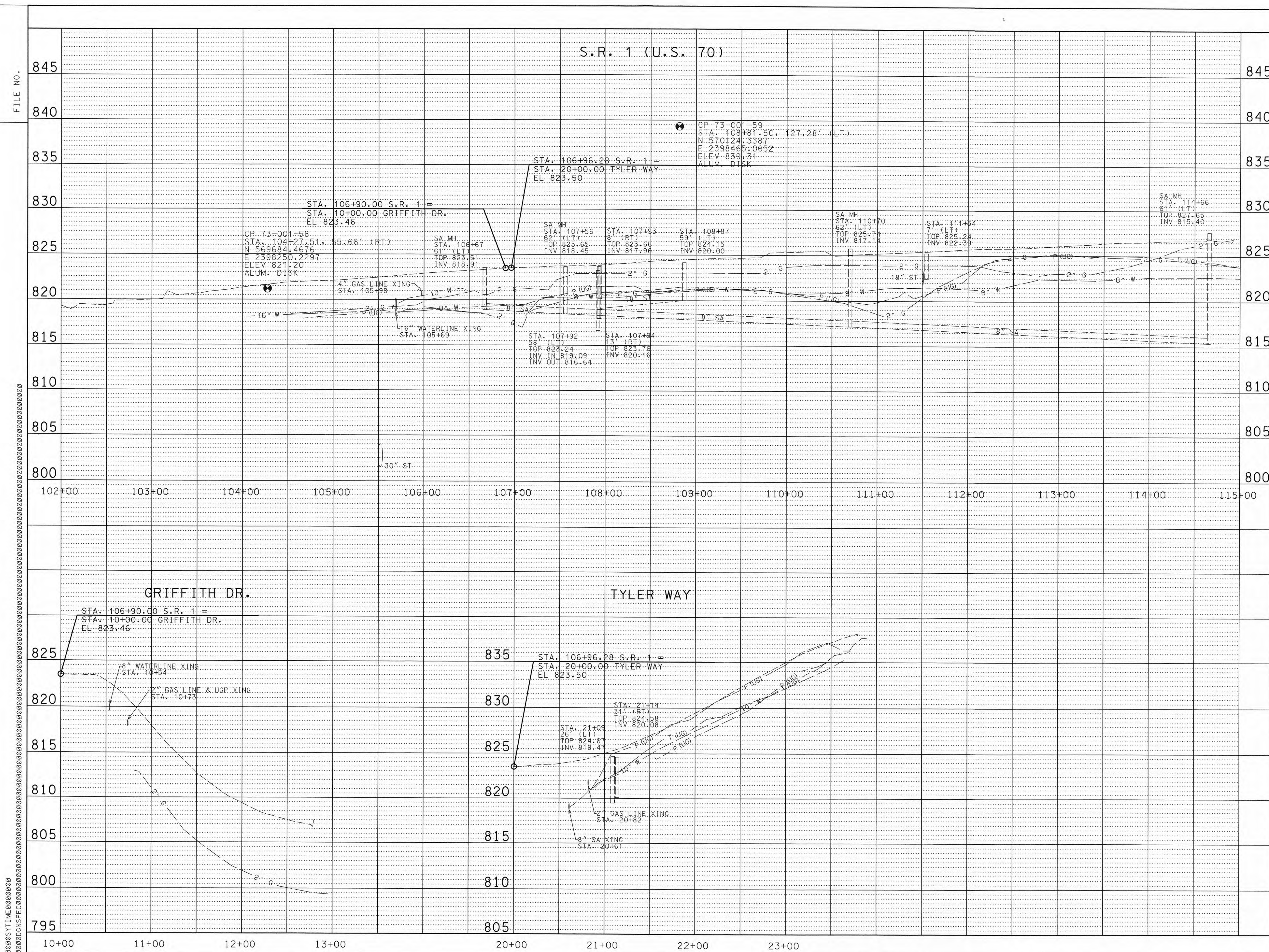
P.E. NO. 73004-1221-94

PIN NO. 111060.02

TRAFFIC DATA	
ADT (2011)	13,730
ADT (2016)	14,410
DHV (2016)	1,576
D	55 - 45
T (ADT)	3 %
T (DHV)	2 %
V	45 MPH

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DONSPEC\$\$\$\$\$

TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITY	2010	STP-SIP-1(266)	2B



**R.O.W.
PLANS**
(UTILITIES ONLY)

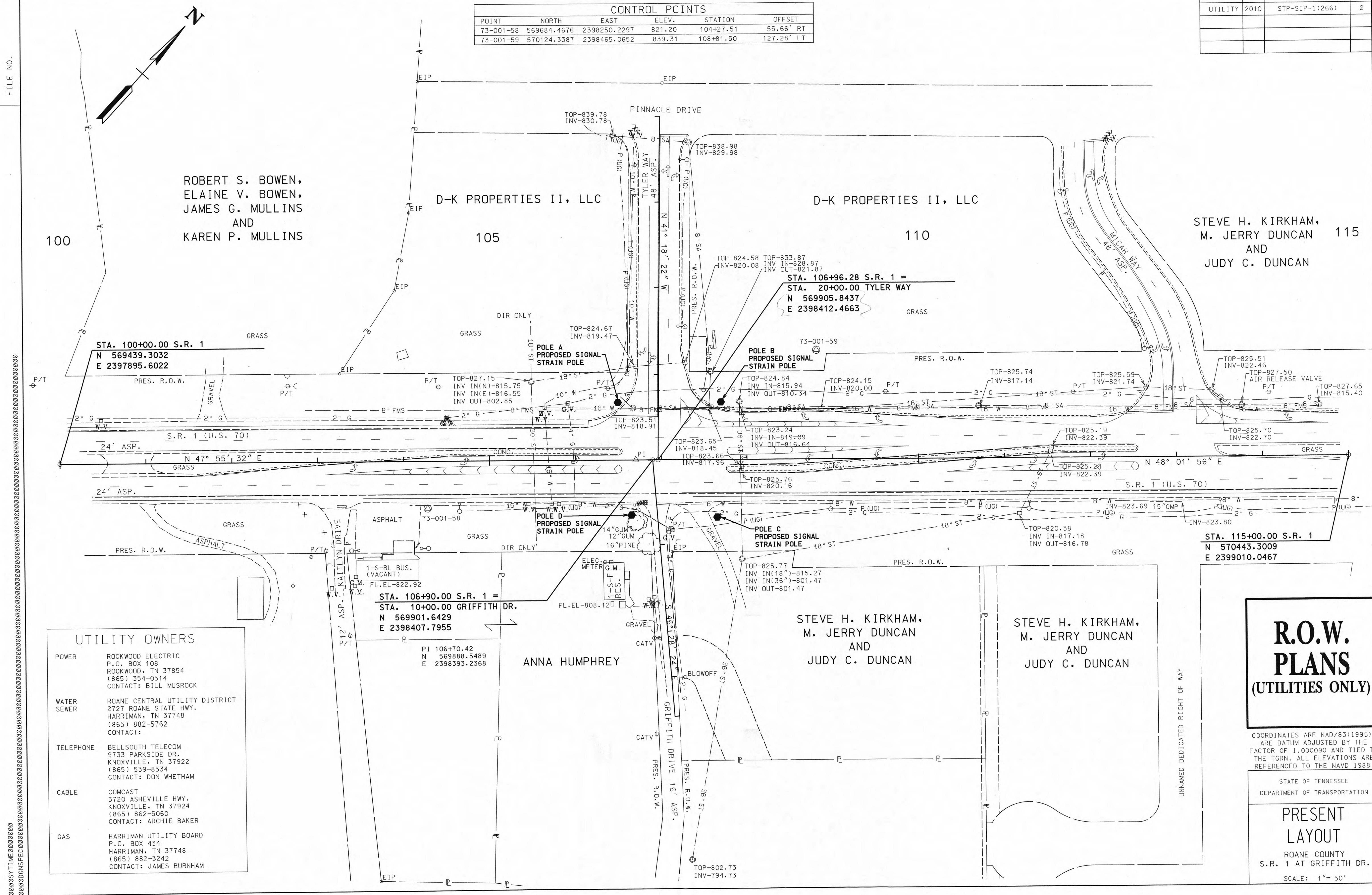
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILES

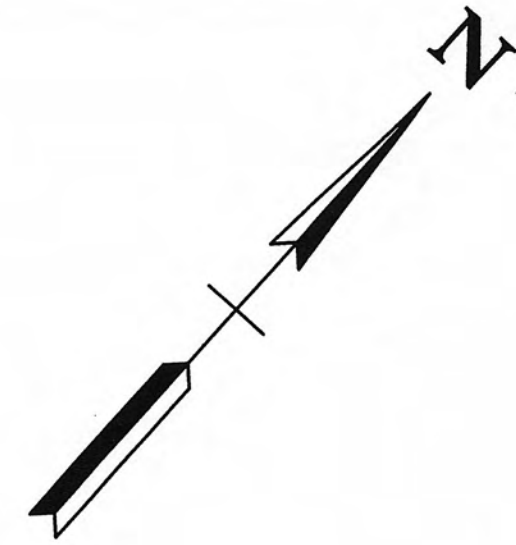
SCALE: 1" = 50' (HORIZ.)
1" = 5' (VERT.)

TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITY	2010	STP-SIP-1(266)	2

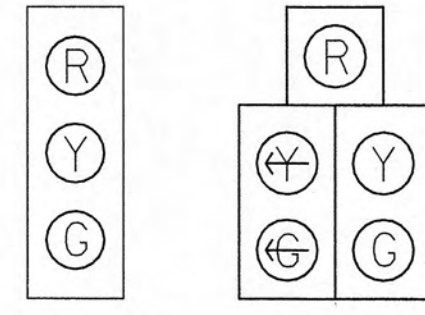
CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
73-001-58	569684.4676	2398250.2297	821.20	104+27.51	55.66' RT
73-001-59	570124.3387	2398465.0652	839.31	108+81.50	127.28' LT



TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITY	2010	STP-SIP-1(266)	2A



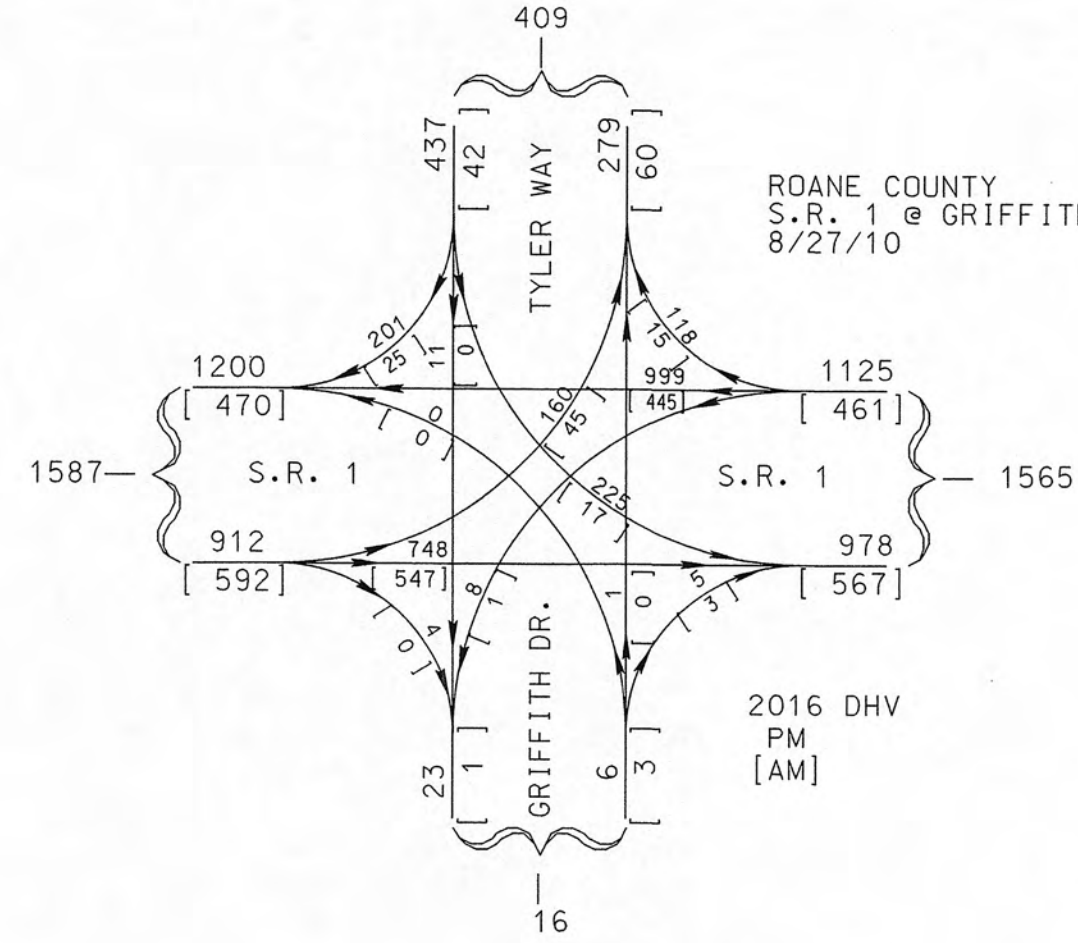
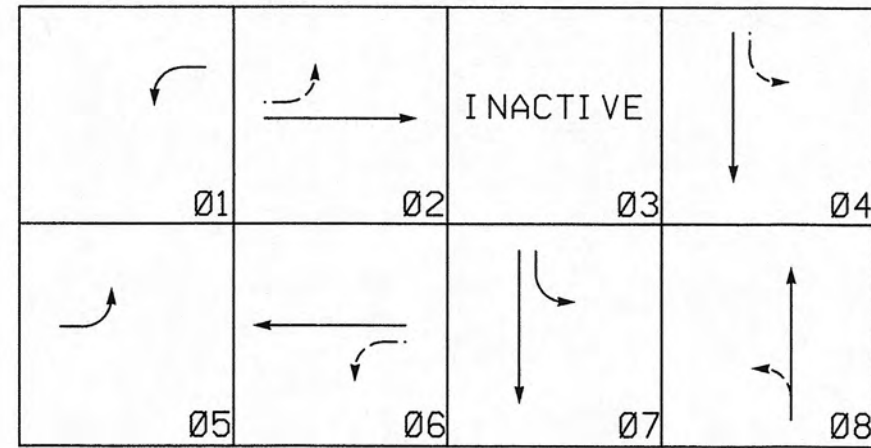
PROPOSED 12" SIGNAL HEADS



21.22
41
61.62
81.82

11
51
71

SIGNAL PHASING DIAGRAM



ROANE COUNTY
S.R. 1 @ GRIFFITH DR.
8/27/10

2016 DHV
PM
[AM]

100

105

110

115

STA. 100+00.00 S.R. 1
N 569439.3032
E 2397895.6022

STA. 106+96.28 S.R. 1 =
STA. 20+00.00 TYLER WAY
N 569905.8437
E 2398412.4663

STA. 115+00.00 S.R. 1
N 570443.3009
E 2399010.0467

STA. 106+90.00 S.R. 1 =
STA. 10+00.00 GRIFFITH DR.
N 569901.6429
E 2398407.7955

PI 106+70.42
N 569888.5489
E 2398393.2368

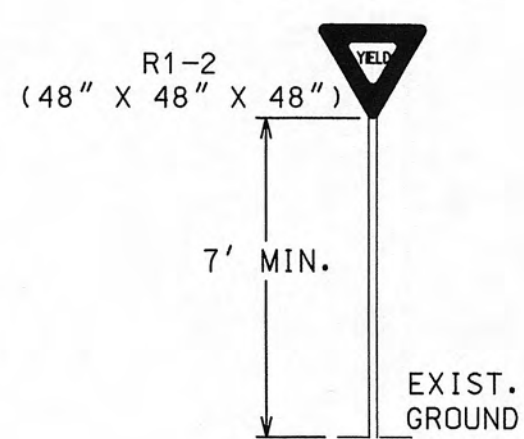
NOTES:

- LOCATIONS OF SIGNAL POLES AND PULL BOXES ARE APPROXIMATE AND CAN BE ADJUSTED 5' - 10' IN THE FIELD TO AVOID UTILITY CONFLICTS.
- ALL VEHICULAR SIGNAL HEAD INDICATIONS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN LED (LIGHT EMITTING DIODE) SIGNAL MODE.
- POWER SUPPLY FOR SIGNAL CONTROLLER TO COME FROM EXISTING POLE ALONG S.R. 1 STA. 106+39, 84' LT VIA UNDERGROUND CONDUIT.

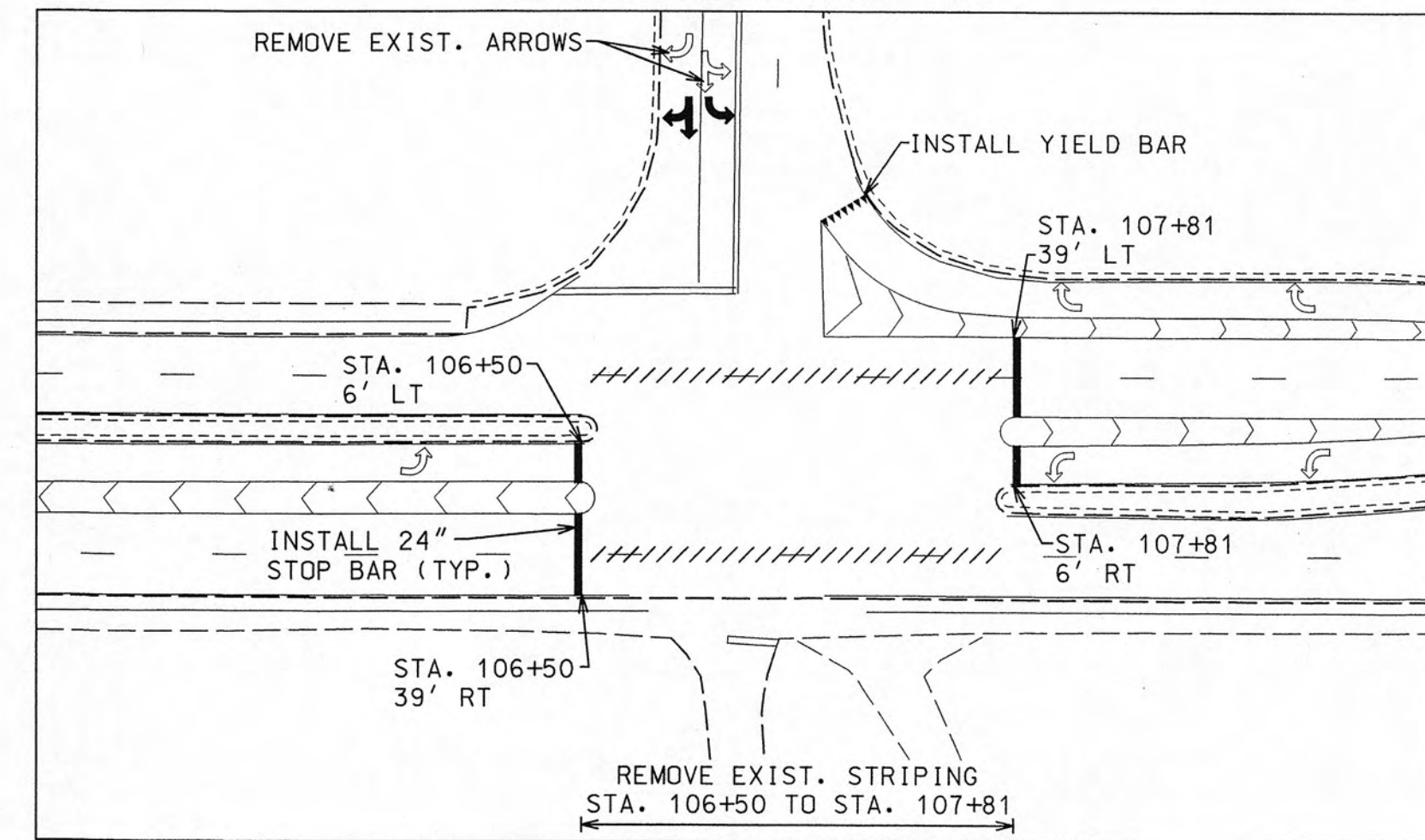
SIGNAL SUPPORT POLE DATA

POLE	STATION	OFFSET	NORTHING	EASTING	GRND. ELEV.	ATTACH ELEV.	MOMENT CAP.	FOOTING DEPTH	FOOTING DIAM.
A	106+50	68' LT	569925	2398333	-	-	- FT-K	'	3'
B	107+70	68' LT	570006	2398422	-	-	- FT-K	'	3'
C	107+65	68' RT	569901	2398509	-	-	- FT-K	'	3'
D	106+65	65' RT	569837	2398433	-	-	- FT-K	'	3'

PROPOSED SIGN



PAVEMENT MARKING DETAIL



R.O.W.
PLANS
(UTILITIES ONLY)

COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 1.000090 AND TIED TO
THE TGN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
SIGNAL LAYOUT

ROANE COUNTY
S.R. 1 AT GRIFFITH DR.
SCALE: 1" = 50'