



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Rachel Gentry

2023.03.15 11:38:18 -04'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

TENNESSEE DEPARTMENT OF TRANSPORTATION
7512 VOLKSWAGEN DRIVE

CHATTANOOGA, TN
RACHEL R. GENTRY, P.E. NO. 120275

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN3
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
PRESENT LAYOUT.....	4
PROPOSED PROFILE	4C

YEAR	PROJECT NO.	SHEET NO.
2023	61455-3519-04	ROADWAY-SIGN3

REVISION 03-15-2023 ADDED SHEET.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X

TENN.	YEAR	SHEET NO.
	2023	1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	61455-3519-04	

REV. 03/15/23 : ADDED SURVEY UPDATE 1.

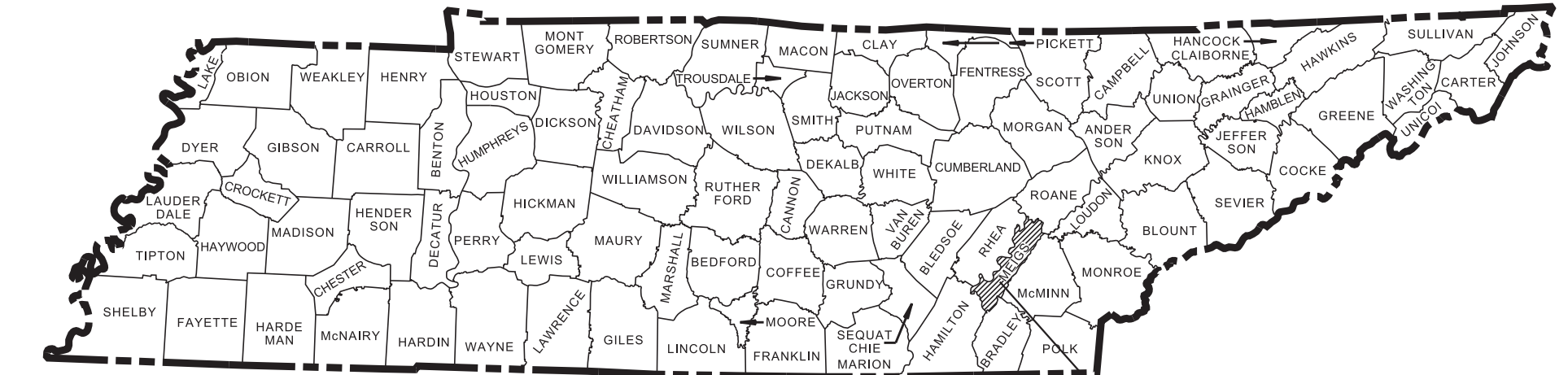
MEIGS COUNTY

W MEMORIAL DRIVE
BRIDGE OVER DECATUR BRANCH
LM 0.37 IN DECATUR (IA)

CONSTRUCTION

BRIDGE REPLACEMENT, GUARDRAIL, FULL DEPTH PAVING, RESURFACING

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



PROJECT LOCATION
BRIDGE ID. # 61SR0300001

END ADJACENT PROJECT NO. 61945-4556-04

L.M. 0.95
PIN 123691.00

BEGIN ADJACENT PROJECT NO. 61945-4556-04

L.M. 0.00
PIN 123691.00

TO BE LET WITH
PIN 123691.00

BEGIN PROJECT NO. 61455-3519-04 CONSTRUCTION

STA. 16+25.00
N 432257.5120 E 2327739.1953

END PROJECT NO. 61455-3519-04 CONSTRUCTION

STA. 18+75.00
N 432261.9786 E 2328000.5430

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 JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

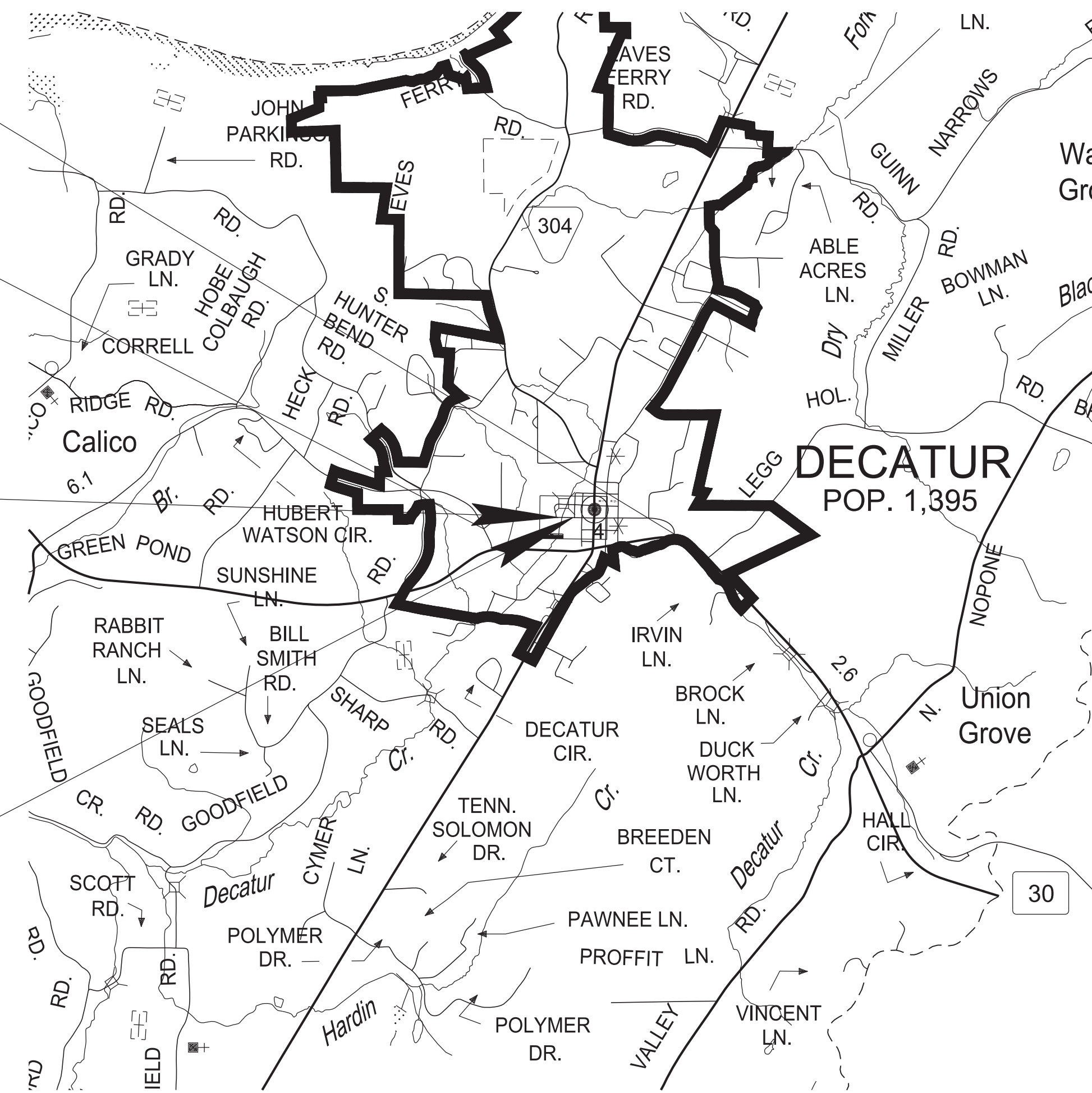
TDOT CE MANAGER 1 : RACHEL GENTRY, PE

DESIGNER : HALEY SLIFKO, PE

CHECKED BY : SHANNON HENRY, PE

P.E. NO. 61455-1519-04 (DESIGN)

PIN NO. 124092.00



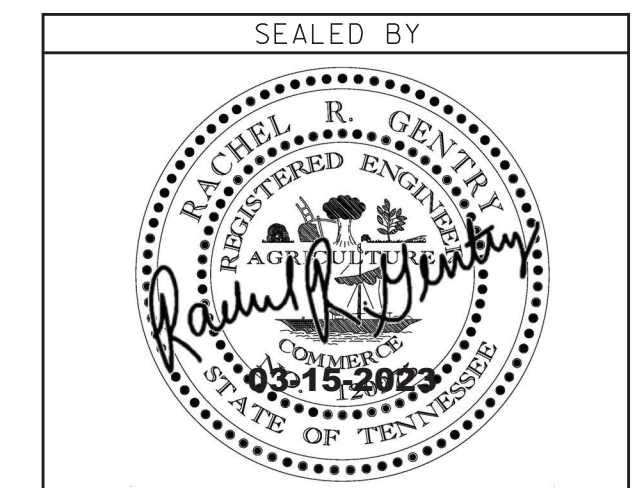
SCALE: 1"= 2640 FEET

R.O.W. LENGTH	0.047 MILES
ROADWAY LENGTH	0.044 MILES
BRIDGE LENGTH	0.003 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.047 MILES

▲ Not included in the project length (Non Riding Surface).

NO EXCLUSIONS

ROAD TO BE CLOSED
DURING CONSTRUCTION



APPROVED: 
WILL REID, CHIEF ENGINEER

DATE: _____

APPROVED: 
HOWARD H. ELEY, COMMISSIONER

SURVEY 06-01-16	TRAFFIC DATA	
SURVEY UPDATE 1 03-15-23	ADT (2023)	1590
	ADT (2043)	1750
	DHV (2043)	280
	D	65 - 35
	T (ADT)	5 %
	T (DHV)	3 %
	V	35 MPH

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00068 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 1997U07.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

ROADWAY INDEX

STANDARD ROADWAY DRAWINGS

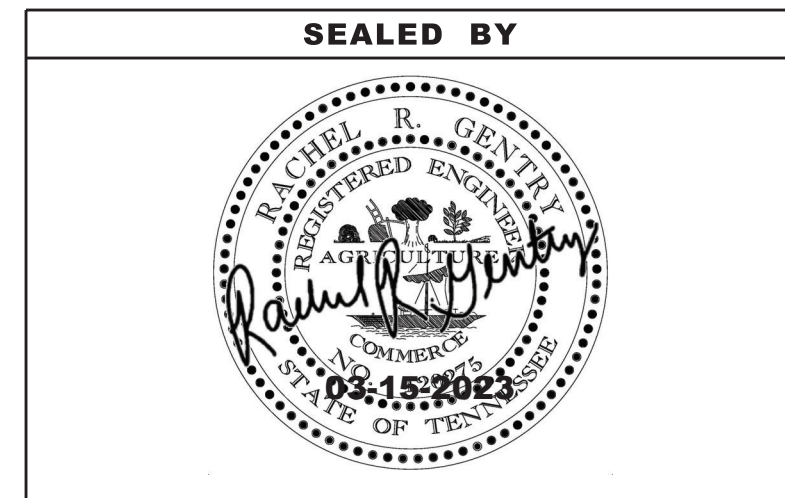
SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1 ROADWAY-SIGN2 ROADWAY-SIGN3
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
STANDARD STRUCTURE DRAWINGS.....	1A3
PROJECT COMMITMENTS.....	1B
ESTIMATED ROADWAY QUANTITIES.....	2
ESTIMATED BOX BRIDGE QUANTITIES.....	2A
TYPICAL SECTIONS AND PAVEMENT SCHEDULE.....	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E
TABULATED QUANTITIES.....	2F
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS.....	3
RIGHT-OF-WAY ACQUISITION TABLE.....	3A
PROPERTY MAP.....	3B
PRESENT LAYOUT.....	4
RIGHT-OF-WAY DETAILS.....	4A
PROPOSED LAYOUT.....	4B
PROPOSED PROFILE.....	4C
PRIVATE DRIVE PROFILE.....	5
DRAINAGE MAP.....	6
CULVERT CROSS SECTION.....	7
EROSION PREVENTION AND SEDIMENT CONTROL PLANS.....	8 – 12
ROADWAY CROSS SECTIONS.....	13 – 16
TRAFFIC CONTROL PLANS.....	T1 – T3
NOTE: THE ALPHABETICAL LETTERS "I", "O" & "Q" ARE NOT USED IN NUMBERING OF SHEETS.	

DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-5	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
10-101.00 STANDARD ROADWAY DRAWINGS		
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD11-SE-3		SUPERELEVATION TRANSITION DETAILS FOR DIVIDED ROADWAYS
RD11-SE-3A		SUPERELEVATION TRANSITION SECTIONS FOR DIVIDED ROADWAYS
RD11-TS-1	06-28-19	DESIGN STANDARDS FOR LOW-VOLUME ROADS
RD11-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
10-105.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
S-F-1	06-28-19	HIGH VISIBILITY FENCE
10-107.00 SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	01-28-22	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A		SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-2	05-31-18	SAFETY PLAN AT SIDEROADS OR PRIVATE DRIVES
S-PL-3	06-15-21	SAFETY PLAN MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-6	06-15-21	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	06-15-21	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GR31-1D		GUARDRAIL POST PLACEMENT IN ROCK

DWG.	REV.	DESCRIPTION
S-GRC-4	06-15-21	GUARDRAIL CONNECTION TO BRIDGE RAILING CONCRETE PARAPET
S-GRC-5	02-28-20	GUARDRAIL CONNECTION TO BRIDGE ENDS (TRAILING ENDS)
S-GRC-6	06-15-21	GUARDRAIL CONNECTION TO BRIDGE ENDS FOR LOW SPEED ROADWAYS
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-4	06-28-19	IN-LINE GUARDRAIL ANCHOR
10-108.00 DESIGN - TRAFFIC CONTROL		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-15A	06-28-19	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED RURAL ROUTES
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD
10-109.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3C	06-28-19	SILT FENCE WITH WIRE BACKING
EC-STR-3D	06-28-19	ENHANCED SILT FENCE
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-30		INSTREAM DIVERSION (WITHOUT TRAFFIC)
EC-STR-30A		INSTREAM DIVERSION (WITH TRAFFIC)

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	61455-3519-04	1A

REV. 03-06-2023: ADDED ROADWAY-SIGN 2 TO INDEX.
REV. 03-15-2023: ADDED ROADWAY-SIGN3 TO INDEX.



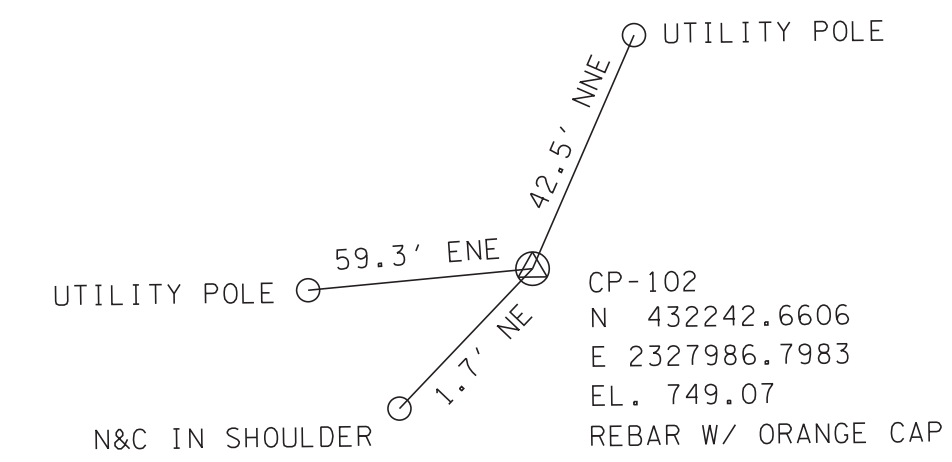
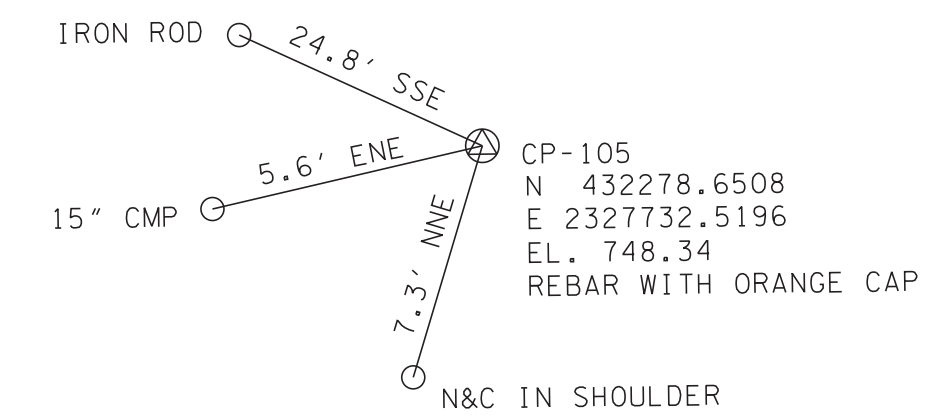
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	61455-2519-04	4
CONST.	2023	61455-3519-04	4

REV. 03-06-2023: ADDED ROW ACQUISITION AREA AND UPDATED CONSTRUCTION EASEMENT AREA TRACT 12.

REV. 03-15-2023: UPDATED LOCATION OF 4" GAS LINE.



STA. 35+00.00 SCHOOL DRIVE
N 432471.2180
E 2327661.3925

BEGIN PROJ. NO. 61455-3519-04 CONSTRUCTION

STA. 16+25.00
N 432257.5120
E 2327739.1953

BEGIN PROJ. NO. 61455-2519-04 R.O.W.

STA. 16+25.00
N 432257.5120
E 2327739.1953

STA. 25+00.00 CREEK STREET
N 432390.5715
E 2328136.9465

MEIGS COUNTY BOARD OF EDUCATION

COUNTY ROUTE A733
WEST MEMORIAL ROAD
(OLD STATE ROUTE 30)

BRENDA EDGEMON MELTON
CRA733 STA. 15+91.14 =
SCHOOL DR STA. 37+16.57
N 432259.6671
E 2327707.7567

BRENDA EDGEMON MELTON

END PROJ. NO. 61455-2519-04 R.O.W.

STA. 18+75.00
N 432261.9786
E 2328000.5430

END PROJ. NO. 61455-3519-04 CONSTRUCTION

STA. 18+75.00
N 432261.9786
E 2328000.5430

Point	North	East	Elevation	Feature	Description	Station	Offset
S2	441114.5777	2313998.6246	708.2900	XCP	61-30-2W	Off Chain	Off Chain
S33	430802.7076	2327525.9023	755.2400	XCP	61-30-33	Off Chain	Off Chain
CP-101	432236.3347	2328307.2479	757.5300	XTRAV	PK NAIL IN EP	Off Chain	Off Chain
CP-102	432242.6606	2327986.7983	749.0700	XTRAV	CAPPED REBAR	18+70.37	13.5396
CP-105	432278.6508	2327732.5196	748.3400	XTRAV	CAPPED REBAR	16+15.66	-19.2898
S326	432362.8730	2327958.2510	746.0550	XSPUR	SPIKE	18+40.33	-106.3090
S400	432333.3940	2327841.8670	747.0970	XSPUR	SPIKE	17+24.32	-75.3868

SEALED BY



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000068 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 1997u07.

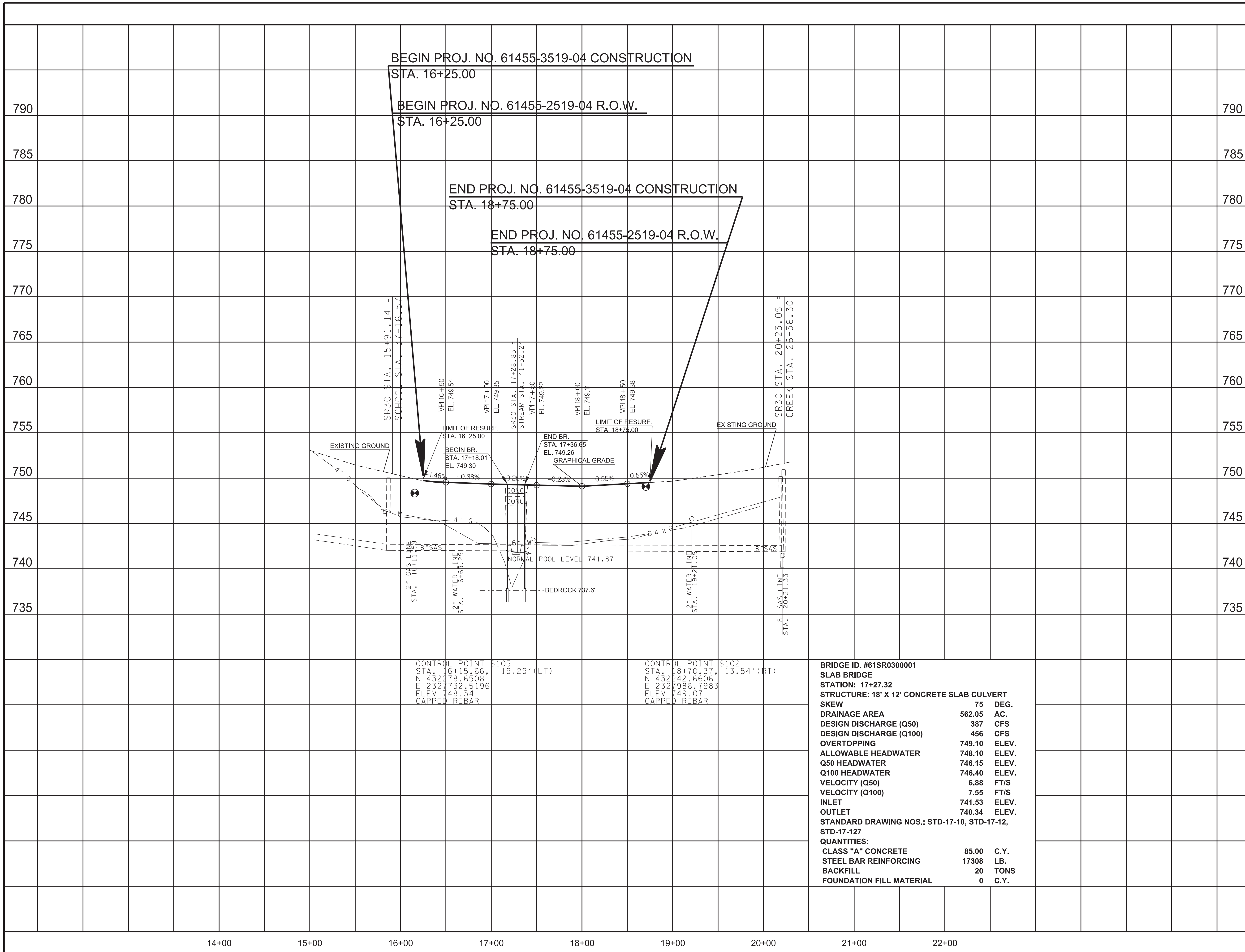
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT
LAYOUT

STA.16+25 TO STA.18+75.00
SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	61455-2519-04	4C
CONST.	2023	61455-3519-04	4C

REV. 03-15-2023: UPDATED LOCATION OF 4" GAS LINE.



CONTROL POINT S105
 STA. 16+15.66, -19.29' (LT)
 N 432.242, 6606.6
 E 232.7986, 7983.3
 ELEV 749.07
 CAPPED REBAR

CONTROL POINT S102
 STA. 18+70.37, 13.54' (RT)
 N 432.242, 6606.6
 E 232.7986, 7983.3
 ELEV 749.07
 CAPPED REBAR

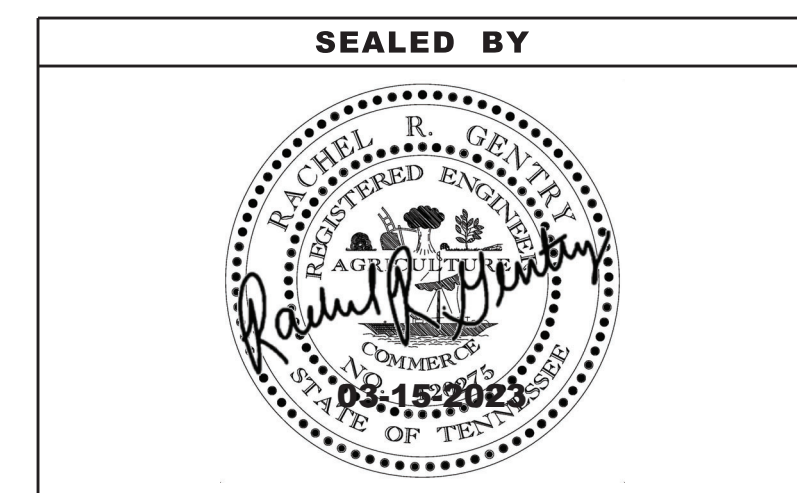
BRIDGE ID. #61SR0300001
SLAB BRIDGE
STATION: 17+27.32
STRUCTURE: 18' X 12' CONCRETE SLAB CULVERT

SKEW	75	DEG.
DRAINAGE AREA	562.05	AC.
DESIGN DISCHARGE (Q50)	387	CFS
DESIGN DISCHARGE (Q100)	456	CFS
OVERTOPPING	749.10	ELEV.
ALLOWABLE HEADWATER	748.10	ELEV.
Q50 HEADWATER	746.15	ELEV.
Q100 HEADWATER	746.40	ELEV.
VELOCITY (Q50)	6.88	FT/S
VELOCITY (Q100)	7.55	FT/S
INLET	741.53	ELEV.
OUTLET	740.34	ELEV.

STANDARD DRAWING NOS.: STD-17-10, STD-17-12, STD-17-127

QUANTITIES:

CLASS "A" CONCRETE	85.00	C.Y.
STEEL BAR REINFORCING	17308	LB.
BACKFILL	20	TONS
FOUNDATION FILL MATERIAL	0	C.Y.



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000068 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 1997u07.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE
 STA.16+25 TO STA.18+75.00

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

3/15/2023 10:25:25 AM M:\Design County Folders\Meigs\124092-00_2017 Meigs Old SR-30 - Decatur Branch A733\004C.SHT

14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00