



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 SHEET .....	ROADWAY-SIGN2
TITLE SHEET .....	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND STANDARD TRAFFIC OPERATIONS DRAWINGS .....	1A
ESTIMATED ROADWAY QUANTITIES.....	2

\$\$\$\$SYTIME\$\$\$\$  
 \$\$\$\$DGN SPEC\$\$\$\$  
 \$\$\$\$SYTIME\$\$\$\$

YEAR	PROJECT NO.	SHEET NO.
2025	STP/HSIP-8(69)	ROADWAY-SIGN2
	33S008-F8-007	
	33S008-F3-007	
REVISION - LETTING 04/10/25 : ADDED SHEET.		
<div> <div>STATE OF TENNESSEE</div> <div>DEPARTMENT OF TRANSPORTATION</div> </div>		
<div>SIGNATURE SHEET</div>		

Index Of Sheets  
SEE SHEET NO. 1A

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF ENGINEERING

HAMILTON COUNTY

STATE ROUTE 8 (US-127)  
FROM FRAZIER AVENUE (L.M. 10.14)  
TO DAYTON BOULEVARD (L.M. 11.96)

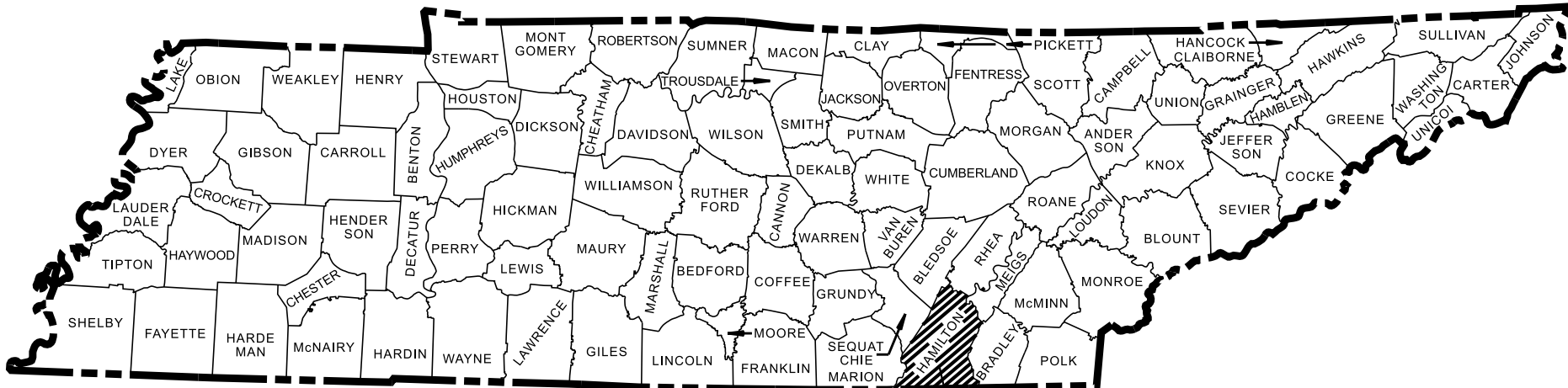
RESURFACE & SAFETY  
NIGHT WORK, COLD PLANE, RESURFACE, GUARDRAIL AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 8 F.A.H.S. NO. 127

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

TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.	STP/HSIP-8(69)	
STATE PROJ. NO.	33S008-F3-007, 33S008-F8-007	

REVISION - LETTING 04/10/25 ; REVISED JOB TITLES.



PROJECT LOCATION  
BRIDGE ID. # 33SR0080009 33SR0080011 33FA0271011

NO EXCLUSIONS

33S008-F8-007  
33S008-F3-007  
END PROJECT NO. STP/HSIP-8(69) RESURFACE & SAFETY  
L.M. 11.96

RAILROAD INVOLVEMENT
NORFOLK SOUTHERN RR # 947019K LAT. 35.0774823 LONG. -85.3205863, MP 1.06-V SR-8 BRIDGE OVER NS RAILROAD @ LM 11.46 BRIDGE ID. # 33SR0080011

33S008-F8-007  
33S008-F3-007  
BEGIN PROJECT NO. STP/HSIP-8(69) RESURFACE & SAFETY  
L.M. 10.14

ADJACENT PROJECT  
CONTRACT CNZ107 / PIN 129661.00

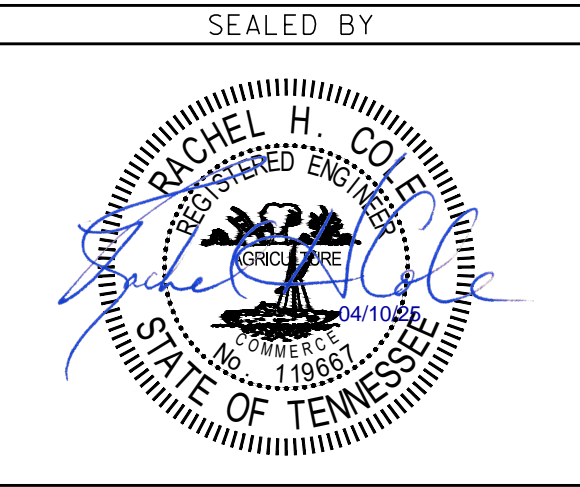
SPECIAL NOTES

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 PROJECT MANAGER : ANDREW ZAZZARA, P.E.  
DESIGNED BY : ARCADIS US, INC.  
DESIGNER : NOAH DAVIS, E.I. CHECKED BY : RACHEL H. COLE, P.E.  
P.E. NO. 98023-4217-04 (DESIGN)  
PIN NO. 133970.00

PROJECT LENGTH 1.82 MILES  
TOTAL LANE MILES RESURFACED 5.16 MILES



APPROVED: WILL REID, DEPUTY COMMISSIONER /  
CHIEF ENGINEER

DATE:

APPROVED: HOWARD H. ELEY, DEPUTY GOVERNOR &  
COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

SCALE: 1"= 2640'



TRAFFIC DATA	
ADT (2025)	22198
POSTED SPEED	
LM 10.14 - LM 10.49	35 MPH
LM 10.49 - LM 11.96	40 MPH



ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
.....	ROADWAY-SIGN2
TITLE SHEET .....	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND	
STANDARD TRAFFIC OPERATIONS DRAWINGS .....	1A
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E
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*REFERENCE SHEETS .....	C1–C6

NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN NUMBERING OF SHEETS.

NO PROJECT COMMITMENTS INCLUDED IN THIS PROJECT

\*PROVIDED BY OTHERS

STANDARD ROADWAY DRAWINGS

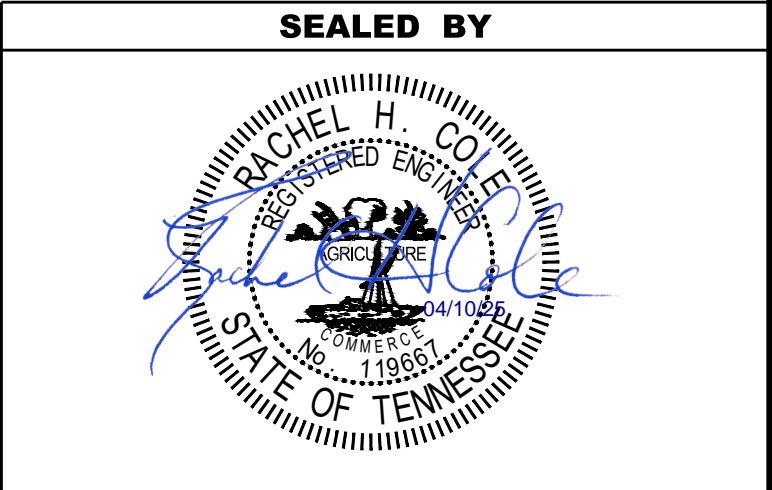
DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
10-105.00 MULTIMODAL		
MM-PM-2	07-30-24	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES
MM-PM-3	06-15-21	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS
MM-PM-4		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
MM-PM-5	05-04-22	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
MM-TS-1	06-15-21	BIKE ACCOMMODATION DESIGN GUIDANCE
10-106.00 SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-1B	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED ON CURVED ROADWAYS
S-PL-6	06-15-21	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-PL-6A	06-28-19	SAFETY PLAN SAFETY HARDWARE PLACEMENT IN MEDIAN
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRT-1B		LAYOUT OF FLARED GUARDRAIL (TL- 2)
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL (RETROFIT)
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
10-107.00 DESIGN - TRAFFIC CONTROL		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-09-24	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-07-23	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-4A	03-01-23	STANDARD UNSIGNALIZED MID-BLOCK CROSSING
T-M-16	07-30-24	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	02-03-20	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD

STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG.	REV.	DESCRIPTION
10-200.00 SIGNS		
T-S-20	07-11-17	SIGN DETAILS
10-201.00 SIGNALS		
T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	07-11-17	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-8(69)	1A
		33S008-F8-007	
		33S008-F3-007	

REVISION - LETTING 04/10/25 : ADDED SHEET ROADWAY-SIGN2 TO INDEX.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,  
STANDARD ROADWAY  
DRAWINGS, AND  
STANDARD TRAFFIC  
OPERATIONS DRAWINGS

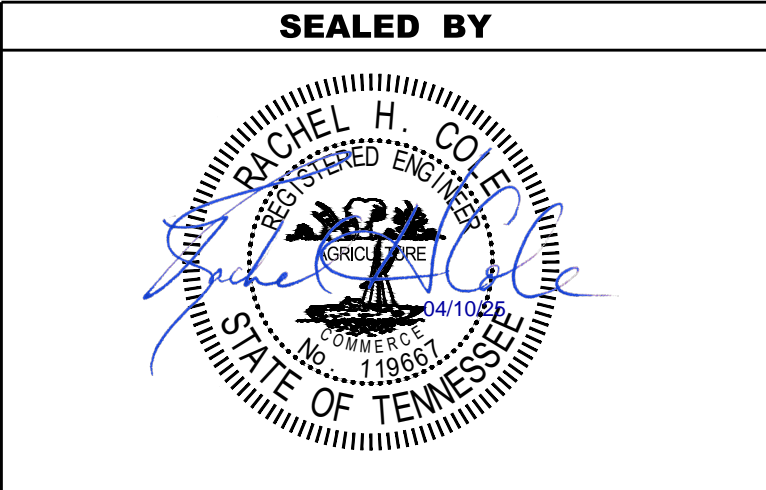


TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-8(69)	2
		33S008-F8-007	
		33S008-F3-007	

REVISION - LETTING 04/10/25 : REVISED STRIPING AND SNOWPLOWABLE MARKERS QUANTITIES.

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 33S008-F8-007	QUANTITY 33S008-F3-007	TOTAL QUANTITY
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	3.5		3.5
(2)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON		90	90
(3)	403-02.01 TRACKLESS TACK COAT	TON	29		29
(4)	411-01.21 LONGITUDINAL JOINT SEALANT	L.M.	3.5		3.5
(5)	411-02.10 ACS MIX(PG70-22) GRADING D	TON	4455		4455
(6)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	4400		4400
(7)	611-09.01 ADJUSTMENT OF EXISTING CATCHBASIN	EACH	1		1
(8)	705-02.10 GUARDRAIL TRANSITION 27IN TO 31IN	EACH		4	4
(8)(9)	705-04.10 EARTH PAD FOR GUARD RAIL END TREATMENT	EACH		4	4
(10)	705-04.22 GUARDRAIL DELINEATION ENHANCEMENT (BI-DIRECTIONAL)	EACH		20	20
(8)	705-06.30 GR TERMINAL (ENERGY ABSORBING) MASH TL2	EACH		4	4
(8)	706-01 GUARDRAIL REMOVED	L.F.		100	100
(11)	712-01 TRAFFIC CONTROL	LS	1		1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	200		200
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	100		100
(12)	712-06 SIGNS (CONSTRUCTION)	S.F.	543		543
	712-08.03 ARROW BOARD (TYPE C)	EACH	2		2
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	5		5
(13)	713-16.20 SIGNS (R3-7R RIGHT LANE MUST TURN RIGHT)	EACH		4	4
(13)	713-16.21 SIGNS (R4-4 BEGIN RIGHT TURN LANE YIELD TO BIKES)	EACH		3	3
(13)	713-16.22 SIGNS (TDOT MM-PM-5)	EACH		1	1
	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH		348	348
	716-01.22 SNOWPLOWABLE RAISED PAVEMENT MARKERS (MONO-DIR)(1 COLOR)	EACH		105	105
(14)	716-02.03 PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.		942	942
(14)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		4953	4953
(14)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		624	624
(14)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		38	38
(14)	716-02.08 PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.		926	926
(14)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		681	681
(14)	716-02.11 PLASTIC PAVEMENT MARKING (6" DOTTED LINE)	L.F.		4224	4224
(14)	716-02.12 PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.		0.4	0.4
(14)	716-03.01 PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH		12	12
(14)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH		10	10
(14)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.		72	72
(14)	716-04.13 PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH		60	60
(14)	716-04.15 PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED	EACH		8	8
(15)	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	7.4		7.4
	716-05.51 PAINTED PAVEMENT MARKINGS(12" LINE)	L.F.		1359	1359
(16)	716-08.32 HYDROBLAST REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	1500		1500
(17)	716-09.02 WET REFLEC. PVMT MARKING(8"BARRIER LINE)	L.F.	456		456
(18)	716-09.86 CONTRAST PAVEMENT MARKING 6"	L.M.	0.2		0.2
(19)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	7.4		7.4
	717-01 MOBILIZATION	LS	1		1
(20)	730-14.02 SAW SLOT	L.F.		4000	4000
(20)	730-14.03 LOOP WIRE	L.F.		8000	8000

FOOTNOTES	
(1)	INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET NO. 2C, FINAL PAVEMENT MARKING NOTE (6) FOR MORE INFORMATION.
(2)	TO BE USED FOR BUILDING UP LOW SHOULDERS AS DIRECTED BY THE TDOT PROJECT ENGINEER. (QUANTITY BASED ON 898' LENGTH x 2' WIDTH x 2" DEPTH.)
(3)	INCLUDES 1.2 TONS FOR CITY STREETS, BUSINESS ENTRANCES, AND RAMP REPAIR WORK.
(4)	USE CRAFTCO PAVEMENT JOINT ADHESIVE #34524. PAVON JOINT ADHESIVE BY PAVON CORPORATION OR DENSO TAPE BY DENSO.
(5)	INCLUDES 161 TONS FOR CITY STREETS AND BUSINESS ENTRANCES, AND 120 TONS FOR RAMP REPAIR WORK.
(6)	INCLUDES 160 TONS FOR CITY STREETS AND BUSINESS ENTRANCES, AND 107 TONS FOR RAMP REPAIR WORK.
(7)	COST TO INCLUDE REMOVAL OF EXISTING GRATE AND REPLACEMENT WITH BICYCLE FRIENDLY GRATES WHERE APPLICABLE, INCLUDING ALL MATERIALS, PARTS, LABOR, EQUIPMENT, MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR REMOVAL AND INSTALLATION.
(8)	SEE SHEET 2F FOR PROPOSED GUARDRAIL (RESURFACING) TABULATION.
(9)	EARTH PADS SHALL BE RETROFIT AS SHOWN ON STD. RDY. DWG. S-GRT-2R.
(10)	DELINEATORS SHALL BE: BI-DIRECTIONAL "HINGED-TYPE" DELINEATORS FROM TDOT'S CURRENT QPL., MOUNTED TO ALL GUARDRAIL POSTS EXCEPT END TERMINAL SECTIONS, AND ATTACHED TO GUARDRAIL POST AS PER MANUFACTURER'S SPECIFICATION AND ATTACHMENT METHOD.
(11)	INCLUDES ALL COST ASSOCIATED WITH NIGHTTIME ZONE LIGHTING.
(12)	SEE SHEET NUMBER 2F FOR SIGNS (CONSTRUCTION) TABULATION BLOCK.
(13)	INCLUDES THE COST OF SIGNS, POSTS, FOOTINGS, AND INSTALLATION. SEE REFERENCE SHEETS FOR DETAILS. SEE STD DWG T-S-20.
(14)	THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(15)	ITEM FOR TEMPORARY PAVEMENT MARKING ON COLD PLANED SURFACE AND INTERMEDIATE LANE LINES AS DIRECTED BY THE TDOT PROJECT ENGINEER.
(16)	FOR THE REMOVAL OF PAVEMENT MARKINGS IN THE TUNNEL.
(17)	TO INCLUDE ALL PREP WORK ASSOCIATED WITH LAYING DOWN MARKING PER MANUFACTURER'S REQUIREMENTS.
(18)	TO BE INSTALLED IN THE TUNNEL. 500 L.F. WHITE, 500 L.F. YELLOW.
(19)	CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.
(20)	FOR INTERSECTION OF SR-8 (DAYTON BOULEVARD) AND SIGNAL MOUNTAIN BOULEVARD.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES