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**2025.07.23 13:26:27-05'00'**  
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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-SIGN4
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND	
STANDARD TRAFFIC DESIGN DRAWINGS .....	1A
ESTIMATED ROADWAY QUANTITIES .....	2

YEAR	PROJECT NO.	SHEET NO.
2025	791240-S8-002	ROADWAY-SIGN 4

REV. 07-22-25: ADDED SHEET

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNATURE  
SHEET

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
SIGNATURE SHEETS.....	ROADWAY-SIGN2
SIGNATURE SHEETS.....	ROADWAY-SIGN3
SIGNATURE SHEETS.....	ROADWAY-SIGN4
TITLE SHEET .....	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS AND	
STANDARD TRAFFIC DESIGN DRAWINGS .....	1A
PROJECT COMMITMENTS .....	1B
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2B, 2B1-2B4
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
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NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.

NO UTILITY SHEETS INCLUDED IN THIS SET OF PLANS.

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
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-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
CATCH BASINS AND MANHOLES		
D-CBB-12A	06-28-19	TYPE 'B' CAST IRON FRAME, GRATE & VERTICAL INLET DETAILS FOR NOS. 10, 12, 14, 16 & 17 TYPE CATCH BASINS
SAFETY DESIGN AND GUARDRAILS		
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRT-1	10-29-21	TYPE 12 GUARDRAIL TERMINAL BURIED-IN-BACKSLOPE
S-GRT-1A		LAYOUT OF FLARED GUARDRAIL (TL- 3)
S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL (RETROFIT)
S-GRA-1	06-28-19	TYPE 12 GUARDRAIL ANCHOR
S-GRA-3	01-09-24	TYPE 13 GUARDRAIL ANCHOR

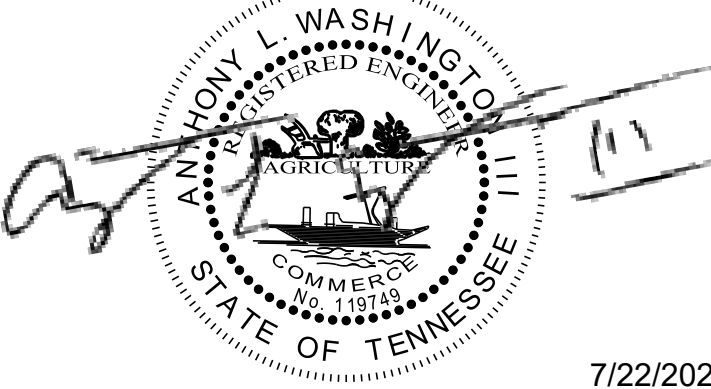
STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
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
T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
PAVEMENT MARKINGS		
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-5	01-24-25	MARKING DETAIL FOR FREEWAYS
T-M-6	01-24-25	MARKING DETAIL FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-7	01-24-25	GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-8	01-24-25	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-9	01-24-25	PAVEMENT MARKING AND SIGNING DETAILS FOR RAMP INTERSECTIONS
T-M-9A	01-24-25	PAVEMENT MARKING AND SIGNING DETAILS FOR RAMP INTERSECTIONS
T-M-9B	01-24-25	PAVEMENT MARKING AND SIGNING DETAILS FOR RAMP INTERSECTIONS
T-M-15	01-24-25	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES
WORK ZONES		
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-26-25	ONE LANE CLOSURE DETAIL FOR DIVIDED HIGHWAYS
T-WZ-13	03-26-25	TWO-OUTSIDE LANE CLOSURE FOR EXPRESSWAY AND FREEWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-60	03-26-25	FREEWAY RESURFACING SIGNING LAYOUT
T-WZ-63	03-26-25	WORK ZONE IN THE VICINITY OF AN ENTRANCE RAMP
T-WZ-64	03-26-25	WORK ZONE IN THE VICINITY OF AN EXIT RAMP
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	79I240-S8-002	1A

REV. 06-23-25: ADDED SHEET ROADWAY-SIGN2 TO INDEX.  
REV. 06-30-25: ADDED SHEET ROADWAY-SIGN3 TO INDEX. DELETED SHEETS 5 & 5-1. RENUMBERED TRAFFIC DETECTION LOOPS DETAIL SHEETS.  
REV. 07-22-25: ADDED SHEET ROADWAY-SIGN4 TO INDEX.

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7/22/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,  
STANDARD ROADWAY  
DRAWINGS, AND  
STANDARD TRAFFIC  
DESIGN DRAWINGS


ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 791240-S8-002
(1)	202-03.01 REMOVAL OF ASPHALT PAVEMENT	S.Y.	20433
(2)(3)	203-06 WATER	M.G.	7
(4)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	3.9
(3)(5)	303-02 MINERAL AGGREGATE, TYPE B BASE, GRADING (C OR D)	TON	929
(6)	307-03.01 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING A	TON	1258
(7)	307-03.08 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING B-M2	TON	2000
(8)	403-02.01 TRACKLESS TACK COAT	TON	216
	411-01.07 ACS MIX (PG64-22) GRADING E SHOULDER	TON	8851
(9)(10)	411-01.21 LONGITUDINAL JOINT SEALANT	L.M.	44.9
(11)	411-03.10 ACS MIX(PG76-22) GRADING D	TON	23167
	411-12.01 SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	23
(12)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	30967
(13)(14)	611-03.04 GRAY IRON CASTINGS (CATCHBASIN)	LB.	3500
(15)	705-02.10 GUARDRAIL TRANSITION 27IN TO 31IN	EACH	17
(15)	705-04.02 GUARDRAIL TERMINAL (TYPE 12)	EACH	3
(15)	705-04.09 EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH	1
(15)	705-06.10 GR TERMINALTRAILING END (TYPE 13) MASH TL-3	EACH	12
(15)	705-06.20 TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	1
(15)	706-01 GUARDRAIL REMOVED	L.F.	330
(16)	712-01 TRAFFIC CONTROL	LS	1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	838
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	46
	712-05.03 WARNING LIGHTS (TYPE C)	EACH	792
(17)(18)	712-06 SIGNS (CONSTRUCTION)	S.F.	5234
(19)	712-06.16 SIGNS (CONSTRUCTION)(REDUCED SPEED WARNING)	EACH	16
	712-08.03 ARROW BOARD (TYPE C)	EACH	4
	712-08.08 SPEED FEEDBACK SIGN ASSEMBLY	EACH	2
	712-08.09 DIGITAL SPEED LIMIT SIGN ASSEMBLY	EACH	16
	712-08.12 QUEUE PROTECTION TRUCK	DAY	105
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	2
(20)(25)	716-01.22 SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	1176
(21)(25)	716-01.23 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	2386
(22)	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	2386
(23)(24)(25)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	97
(23)(24)(25)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	8
(23)(24)(25)	716-02.07 PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	3050
(23)(24)(25)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	430
(23)(24)(25)	716-03.01 PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	2
(23)(24)(25)	716-04.01 PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	1
(23)(25)	716-04.04 PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)	L.F.	1606
(23)(25)	716-04.06 PLASTIC PAVEMENT MARKING (WRONG WAY ARROW)	EACH	6
(23)(24)(25)	716-04.07 PLASTIC PAVEMENT MARKING (EXIT ONLY ARROW)	EACH	5
(23)(24)(25)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	51
(26)	716-05.02 PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	10504
(26)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	40
(25)	716-08.03 REMOVAL OF PAVEMENT MARKING (CROSS-WALK)	L.F.	152
(25)	716-08.05 REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	48
(25)(27)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	40
(23)(25)	716-12.03 ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	10504
(23)(25)	716-12.05 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	1722
(23)(25)	716-12.09 ENHANCED FLAT LINE THERMO (12IN LINE)	L.F.	4319
(23)(25)	716-12.10 ENHANCED FLAT LINE THERMO (12IN DOTTED)	L.F.	909
	717-01 MOBILIZATION	LS	1
	730-03.20 INSTALL PULL BOX (TYPE A)	EACH	3
	730-03.21 INSTALL PULL BOX (TYPE B)	EACH	2
(29)	730-12.02 CONDUIT 2" DIAMETER (PVC SCHEDULE 40)	L.F.	245
(29)	730-14.02 SAW SLOT	L.F.	1925
(28)(29)	730-14.03 LOOP WIRE	L.F.	5600

FOOTNOTES	
(1)	TO BE USED AS DIRECTED BY THE ENGINEER. INCLUDES 2733 S.Y. FOR BREAKOUTS AND 17700 S.Y. FOR PARTIAL DEPTH ASPHALT REPAIR.
(2)	INCLUDES 3.2 M.G. FOR RAMP REPAIR.
(3)	SEE SHEET 2F1 FOR RAMP/ACCELERATION/DECELERATION (PAVING ITEMS) TABULATION BLOCK FOR RAMP REPAIR LOCATIONS.
(4)	TO BE USED AS DIRECTED BY THE ENGINEER. INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET 2C, FINAL PAVEMENT MARKING, NOTE 6 FOR MORE INFORMATION. ITEM TO BE USED AT SPLIT NEAR END OF PROJECT.
(5)	INCLUDES 428.5 TONS FOR RAMP REPAIR.
(6)	TO BE USED FOR BREAKOUT AREAS.
(7)	TO BE USED FOR PARTIAL DEPTH ASPHALT REPAIR.
(8)	INCLUDES 50.9 TONS FOR RAMP REPAIR.
(9)	USE CRAFCO PAVEMENT JOINT ADHESIVE #34524. PAVON JOINT ADHESIVE BY PAVON CORPORATION OR DENSO TAPE BY DENSO.
(10)	TO BE USED FOR SEALING OF ALL SURFACE LAYER CONSTRUCTION JOINTS ALONG THE TRAVEL LANES AND SHOULDERS AS DIRECTED BY THE ENGINEER.
(11)	INCLUDES 7152 TONS FOR RAMP REPAIR.
(12)	INCLUDES 7087 TONS FOR RAMP REPAIR. INCLUDES 9637 TONS FOR SHOULDERS.
(13)	COST TO INCLUDE REMOVAL OF EXISTING GRATE AND REPLACEMENT OF BICYCLE FRIENDLY GRATE WHERE APPLICABLE, INCLUDING MATERIAL, PARTS, LABOR, EQUIPMENT, MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR REMOVAL AND INSTALLATION. THE CONTRACTOR SHALL VERIFY GRATE DIMENSIONS IN THE FIELD.
(14)	SEE STORM DRAIN ADJUSTMENTS TABULATED BLOCK ON SHEET 2F FOR LOCATIONS.
(15)	SEE PROPOSED GUARDRAIL TABULATION BLOCK ON SHEET 2F FOR LOCATIONS.
(16)	ALL SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
(17)	THE CONTRACTOR IS RESPONSIBLE FOR THE STAKING OF CONSTRUCTION SIGNS. IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORARILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING APPROVED BY THE ENGINEER. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO 712-06 SIGNS (CONSTRUCTION).
(18)	INCLUDES QUANTITIES ON SHEET 2F.
(19)	ITEM TO BE USED ONLY WHEN A REDUCED SPEED LIMIT IS ESTABLISHED WITHIN THE PROJECT CONSTRUCTION WORK ZONE LIMITS. ITEM INCLUDES SIGN FACE, SUPPORTS, AND TWO TYPE "B" FLASHERS PER THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TURNING ON THE TYPE "B" FLASHERS WHEN WORKERS ARE IN THE CONSTRUCTION WORK ZONE AND TURNING THEM OFF WHEN WORKERS ARE NO LONGER IN THE CONSTRUCTION WORK ZONE.
(20)	INCLUDES 154 MARKERS FOR RAMP REPAIR.
(21)	INCLUDES 961 MARKERS FOR RAMP REPAIR.
(22)	FOR REMOVAL OF EXISTING PAVEMENT MARKERS.
(23)	ITEM TO BE USED AS PERMANENT PAVEMENT MARKING.
(24)	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.
(25)	SEE SHEET 2F2 FOR RAMPS/ACCELERATION/DECELERATION (PAVEMENT MARKING ITEMS) TABULATION BLOCK FOR RAMP REPAIR LOCATIONS.
(26)	ITEM TO BE USED AS TEMPORARY PAVEMENT MARKING.
(27)	ITEM TO BE USED AS PERMANENT MARKING FOR EDGELINES AND CENTERLINE.
(28)	ITEM INCLUDES AN EXTRA 200' (20' PER LOOP) THAT IS TO REMAIN IN PULL BOX FOR INSTALLATION BY TRAFFIC COUNTER PERSONNEL.
(29)	SEE SHEET 2F FOR SIGNAL QUANTITIES TABULATION BLOCK FOR LOCATIONS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	791240-S8-002	2

REV. 06-23-25: REVISED QUANTITY FOR ITEMS 712-01 & 717-01  
REV. 07-22-25: REVISED QUANTITY FOR ITEM 712-08.12

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7/22/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES