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Joseph Burchfield

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TENNESSEE DEPARTMENT OF TRANSPORTATION
7512 VOLKSWAGEN DRIVE

CHATTANOOGA, TN
JOSEPH H. BURCHFIELD, P.E. NO. 122745

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 AND STANDARD ROADWAY, AND TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2,2-1

YEAR	PROJECT NO.	SHEET NO.
2025	STP/HSIP-40(53)	ROADWAY-SIGN 4
	06S040-F3-005	
	06S040-F8-005	
2025	STP-NH/HSIP-40(50)	
	06S040-F3-003	
	06S040-F8-003	
REV. 12/03/25 SHEET ADDED		
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION		
SIGNATURE SHEET		

ROADWAY INDEX

SHEET NAME SHEET NO.

SIGNATURE SHEETS..... ROADWAY-SIGN1-4

TITLE SHEET 1

ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND TRAFFIC DESIGN DRAWINGS 1A

ESTIMATED ROADWAY QUANTITIES 2, 2-1

TYPICAL SECTIONS AND PAVEMENT SCHEDULE 2B-2B4

GENERAL NOTES..... 2C

SPECIAL NOTES..... 2D

ENVIRONMENTAL NOTES..... 2E

TABULATED QUANTITIES 2F, 2F1

UTILITY NOTES, AND UTILITY OWNERS..... 3

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL T1

NOTES:

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

NO PROJECT COMMITMENTS SHEET INCLUDED IN THIS SET OF PLANS.

NO SHEET 2A SERIES INCLUDED IN THIS SET OF PLANS.

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

RD-L-3 03-01-23 STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING

RD-L-4 10-01-24 STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING

10-107.00 SAFETY DESIGN AND GUARDRAILS

S-GR31-1 03-13-25 GUARDRAIL DETAILS

S-GR31-1C 07-07-23 GUARDRAIL GENERAL NOTES AND POST DETAILS

STANDARD TRAFFIC DESIGN DRAWINGS

DWG. REV. DESCRIPTION

10-200.00 SIGN

T-S-16 07-30-25 GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS

T-S-20 07-30-25 SIGN DETAILS

10-204.00 DESIGN - TRAFFIC CONTROL

T-M-1 01-24-25 DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS

T-M-2 01-24-25 DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS

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-15A 01-24-25 ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED RURAL ROUTES

T-M-16 01-24-25 RUMBLE STRIPE INSTALLATION LAYOUT

T-M-16A 01-24-25 RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE

T-M-18 01-24-25 FLEXIBLE DELINEATOR DETAILS

T-M-18A 01-24-25 DELINEATOR MOUNTING DETAILS

T-WZ-10 03-26-25 ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

T-WZ-11 03-26-25 ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS

T-WZ-21 03-26-25 LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT

T-WZ-30 03-26-25 TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (40 MPH OR LESS)

T-WZ-31 03-26-25 TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (GREATER THAN 40 MPH)

T-WZ-36 03-26-25 LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY

T-WZ-60 03-26-25 FREEWAY RESURFACING SIGNING PROCEDURES

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

T-WZ-65 03-26-25 LANE CLOSURE WITH LATE MERGE

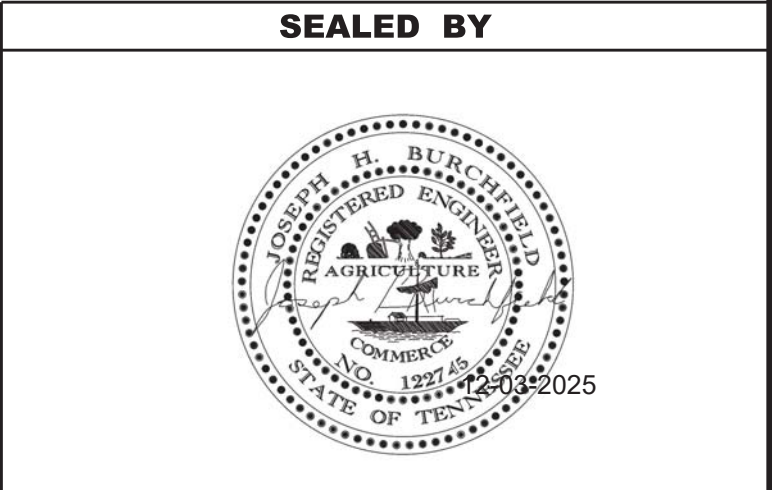
T-WZ-FAB1 03-26-25 FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-40(53)	1A
		06S040-F3-005	
RESURF.	2025	STP-NH/HSIP-40(50)	
		06S040-F3-003	
		06S040-F8-003	

REV. 09/29/25
ADDED ROADWAY-SIGN2 TO INDEX

REV. 12/01/25
ADDED ROADWAY-SIGN3 TO INDEX

REV. 12/03/25
ADDED ROADWAY-SIGN4 TO INDEX



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

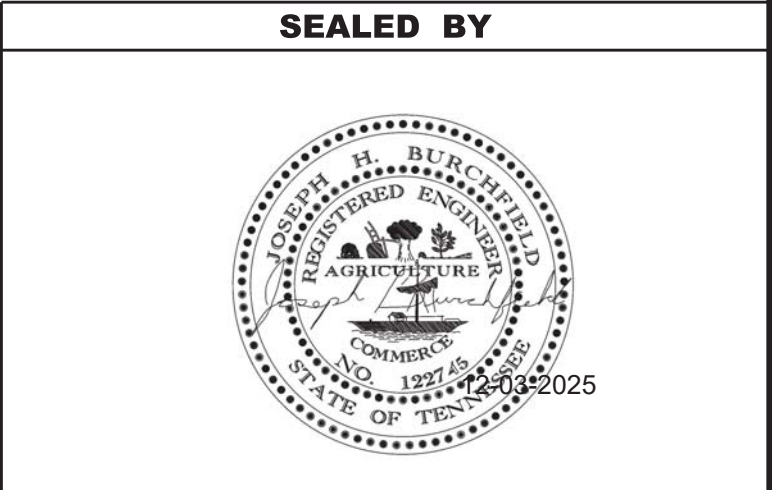
ROADWAY INDEX,
STANDARD ROADWAY
AND STANDARD TRAFFIC
DESIGN DRAWINGS

ESTIMATED ROADWAY QUANTITIES (SR-40 LM 1.150 - LM 2.400)					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06S040-F8-005	QUANTITY 06S040-F3-005	TOTAL QUANTITY
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	4.07		4.07
(2)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	251		251
(3)	307-01.08 ASPHALT CONCRETE MIX (PG 64-22) (BPMB-HM) GRADING B-M2	TON	724		724
(4)	403-02.01 TRACKLESS TACK COAT	TON	23		23
(5)	411-01.10 ACS MIX(PG64-22) GRADING D	TON	3507		3507
(6)	411-01.21 LONGITUDINAL JOINT SEALANT	L.M.	2.9		2.9
	411-12.04 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4" WIDTH)	L.M.		2.6	2.6
(7)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	2962		2962
(8)	705-04.21 GUARDRAIL DELINEATION ENHANCEMENT	L.F.		4925	4925
	712-01 TRAFFIC CONTROL	LS	0.5		0.5
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	50		50
(9)	712-06 SIGNS (CONSTRUCTION)	S.F.	2257		2257
	712-08.03 ARROW BOARD (TYPE C)	EACH	1		1
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	1		1
	716-01.21 SNOWPLAOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	305		305
	716-01.22 SNOWFLOWABLE RAISED PAVEMENT MARKERS (MONO-DIR) (1-COLOR)	EACH	15		15
	716-01.23 SNOWFLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (2 COLOR)	EACH	120		120
	716-02.03 PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.		45	45
(10)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		330	330
(10)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		412	412
(10)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		4	4
(10)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		366	366
(10)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.		108	108
	716-04.13 PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH		10	10
(11)	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	7.8	2.5	10.3
(12)(13)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	7.8		7.8
(13)(14)	716-12.05 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	13470		13470
	717-01 MOBILIZATION	LS	0.5		0.5

FOOTNOTES	
(1)	INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK.
(2)	TO BE USED FOR REPAIRS AS DIRECTED BY THE TDOT ENGINEER.
(3)	TO BE USED AS DIRECTED BY THE TDOT PROJECT ENGINEER.
(4)	INCLUDES 2 TONS FOR CROSS-OVERS, COUNTY RDS, DRIVEWAYS AND BUSINESS ENTRANCES. AND INCLUDES 3 TONS FOR RAMP SHOULDERS
(5)	INCLUDES 313 TONS FOR CROSS-OVERS, COUNTY RDS, DRIVEWAYS AND BUSINESS ENTRANCES. AND INCLUDES 517 TONS FOR RAMP SHOULDERS
(6)	USE CRAFTCO PAVEMENT JOINT ADHESIVE #34524 OR PAVON JOINT ADHESIVE BY PAVON CORPORATION
(7)	INCLUDES 310.1 TONS FROM CROSS-OVERS, COUNTY ROADS AND BUSINESS ENTRANCES.
(8)	INCLUDES 4925 LF YELLOW
(9)	SEE SHEET 2F FOR TABULATION.
(10)	CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(11)	RESURFACING QUANTITY IS FOR TEMPORARY MARKING ON MILLED SURFACE. SAFETY QUANTITY IS TO SERVE AS TRACER LINE FOR RUMBLE STRIPE INSTALLATION.
(12)	INCLUDES 0.83 LM OF YELLOW AND 0.83 OF WHITE FOR RAMPS.
(13)	CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.
(14)	140 LF TO BE USED AT LM 2.02 FOR MEDIAN CROSS OVER AT OLD POWER LINE RD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-40(53)	2
		06S040-F3-005	
		06S040-F8-005	

REV. 12/01/2025 UPDATED
ITEM 411-01.10
REV. 12/03/2025 UPDATED
ITEMS, 403-02.01,
411-01.10, AND
FOOTNOTES 4 AND 5



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

ESTIMATED ROADWAY QUANTITIES (SR-40 LM 2.400 - LM 4.960)					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06S040-F8-003	QUANTITY 06S040-F3-003	TOTAL QUANTITY
(1) 208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	10.24		10.24
(2) 303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	251		251
307-01.08	ASPHALT CONCRETE MIX (PG 64-22) (BPMB-HM) GRADING B-M2	TON	736		736
(3) 403-02.01	TRACKLESS TACK COAT	TON	57		57
(4) 411-01.10	ACS MIX(PG64-22) GRADING D	TON	8748		8748
411-01.21	LONGITUDINAL JOINT SEALANT	L.M.	7.1		7.1
(5) 411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.		5.12	5.12
(5) 411-12.04	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4IN WIDTH)	L.M.		5.12	5.12
(6) 415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	8203		8203
(7) 705-04.21	GUARDRAIL DELINEATION ENHANCEMENT	L.F.		9096	9096
712-01	TRAFFIC CONTROL	LS	0.5		0.5
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	50		50
(7) 712-06	SIGNS (CONSTRUCTION)	S.F.	2305		2305
712-08.03	ARROW BOARD (TYPE C)	EACH	1		1
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	1		1
716-01.23	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	130		130
(8) 716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	130		130
(8) 716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		2100	2100
(8) 716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		870	870
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		27	27
(8) 716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.		30	30
(9) 716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	11	5.12	16.12
716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	11		11
(10)(11) 716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	1350		1350
(11) 717-01	MOBILIZATION	LS	0.5		0.5

FOOTNOTES	
(1)	INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK.
(2)	TO BE USED FOR REPAIRS AS DIRECTED BY THE TDOT ENGINEER.
(3)	INCLUDES 13 TONS FOR CROSS-OVERS, COUNTY RDS, DRIVEWAYS AND BUSINESS ENTRANCES. AND INCLUDES 3 TONS FOR RAMP SHOULDERS
(4)	INCLUDES 1992 TONS FOR CROSS-OVERS, COUNTY RDS, DRIVEWAYS AND BUSINESS ENTRANCES. AND INCLUDES 467 TONS FOR RAMP SHOULDERS
(5)	16IN WIDTH TO BE USED FOR WB DIRECTION. 4IN WIDTH TO BE USED FOR EB DIRECTION.
(6)	INCLUDES 1973.3 TONS FROM CROSS-OVERS, COUNTY ROADS AND BUSINESS ENTRANCES.
(7)	SEE SHEET 2F FOR TABULATION.
(8)	CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(9)	RESURFACING QUANTITY IS FOR TEMPORARY MARKING ON MILLED SURFACE. SAFETY QUANTITY IS TO DERVE AS TRACER LINE FOR RUMBLE STRIPE INSTALLATION.
(10)	INCLUDES 0.84 LM OF YELLOW AND 0.84 OF WHITE FOR RAMPS.
(11)	CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP-NH/HSIP-40(50)	2-1
		06S040-F3-003	
		06S040-F8-003	

REV. 09/29/2025 UPDATED
ITEM 712-01
REV. 12/01/2025 UPDATED
ITEMS 208-01.05,
411-01.10, and
712-04.01
REV. 12/03/2025 UPDATED
ITEMS 403-02.01,
411-01.10, and
FOOTNOTES 3 AND 4.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES