



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

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS 1A

ESTIMATED ROADWAY QUANTITIES..... 2

TYPICAL SECTIONS AND PAVEMENT SCHEDULE 2B

YEAR	PROJECT NO.	SHEET NO.
2025	STP/HSIP-33(162)	ROADWAY-SIGN2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

ROADWAY INDEX

STANDARD ROADWAY DRAWINGS

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1,2
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E
EROSION PREVENTION AND SEDIMENT CONTROL NOTES	2E1
TABULATED QUANTITIES	2F
UTILITY NOTES AND UTILITY OWNERS.....	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL.....	4

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

NO PROJECT COMMITMENT SHEET INCLUDED IN THIS SET OF PLANS

DWG.	REV.	DESCRIPTION
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
ROADWAY DESIGN STANDARDS		
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-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
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	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GRT-4		TYPE 21 GATING END TERMINAL
S-GRT-4A		TYPE 21 GATING END TERMINAL ANCHOR DETAILS
S-GRT-4B		GATING TERMINAL POST & RAIL DETAILS
S-GRA-4	03-01-23	IN-LINE GUARDLINE ANCHOR TO PRIVATE DRIVE
DESIGN - TRAFFIC CONTROL		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
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-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-33(162)	1A

REV. 05-02-25: REVISED ROADWAY INDEX.

SEALED BY



05/02/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	STP/HSIP- 33(162) QUANTITY 13S033-F8-006	STP/HSIP- 33(132) QUANTITY 13S033-F3-006	TOTAL QUANTITY
	208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	19	19
(11)	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	0.1	0.1
(1) (2)	705-02.10	GUARDRAIL TRANSITION 27IN TO 31IN	EACH		1
(3)	705-04.21	GUARDRAIL DELINEATION ENHANCEMENT	L.F.		422
(1)	705-06.11	GR TERMINAL (IN-INLINE) MASH TL-3	EACH		1
(1)	705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL-2	EACH		1
(1)	706-06.03	RADIUS RAIL	L.F.		12.5
(1)	706-10.26	ROUNDED END ELEMENT	EACH		1
	712-01	TRAFFIC CONTROL	LS	1	1
(4)	712-06	SIGNS (CONSTRUCTION)	S.F.	509	509
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	636	636
(5)	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	636	636
(6)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		380
	716-13.02	SPRAY THERMO PVMT MRKNG (60 MIL) (6IN LINE)	L.M.	39	39
	717-01	MOBILIZATION	LS	1	1
		ALTERNATE 1			
(7)	307-01.15	ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	950	950
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	98	98
(8)	411-03.12	ACS MIX(PG64-22) THIN LIFT D ASPHALT	TON	4751	4751
(9)	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	247	247
(10)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	16	16
		ALTERNATE 2			
(7)	307-01.15	ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	950	950
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	98	98
(8)	411-03.07	ACS MIX(PG64-22) THIN LIFT ASPHALT	TON	4751	4751
(9)	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	247	247
(10)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	16	16
		ALTERNATE 3			
(12)	403-01.01	BITUMINOUS MATERIAL FOR TACK COAT (MICRO-SURFACING)	TON	16	16
(13)	414-03.01	EMULSIFIED ASPHALT FOR MICRO-SURFACING	TON	239	239
(14)	414-03.02	AGGREGATE FOR MICRO SURFACING	TON	1991	1991
	716-08.20	REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	39	39

FOOTNOTES	
(1)	SEE SHEET <u>2F</u> FOR GUARDRAIL TABULATED QUANTITIES. INCLUDES THE COST OF REMOVAL OF THE EXISTING END TERMINALS.
(2)	COST INCLUDES THE LENGTH OF GUARDRAIL NECESSARY TO TRANSITION FROM EXISTING HEIGHT OF GUARDRAIL TO 31 INCHES.
(3)	TO BE USED FROM L.M. 20.56 - L.M. 20.61 AND L.M. 20.67 - L.M. 20.70.
(4)	SEE SHEET <u>2F</u> FOR SIGN TABULATED QUANTITIES. THE CONSTRUCTION SIGNING IS TO BE A MINIMUM. OTHER SIGNS MAY BE REQUIRED AS DIRECTED BY THE TDOT MANAGER.
(5)	ANY DAMAGE THAT OCCURS DURING REMOVAL SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE AND TO THE SATISFACTION OF THE TDOT MANAGER.
(6)	CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(7)	TO BE USED FOR SPOT LEVELING. SPOT LEVELING TO BE USED ONLY TO CORRECT DEFICIENCIES ON EXISTING PAVEMENT AND IS NOT TO BE COMBINED WITH OTHER COURSE.
(8)	INCLUDES <u>108</u> TONS FOR COUNTY ROADS AND <u>3</u> TONS FOR WIDE SHOULDER AT L.M. 20.73. BUSINESS ENTRANCES AND PRIVATE DRIVES ARE TO BE TIED IN AS NEEDED AS DIRECTED BY TDOT MANAGER.
(9)	TO BE USED AT THE BEGINNING AND END OF THE PROJECT LIMITS AND THE BEGINNING, BRIDGE, AND END OF BRIDGE OVER BIG SYCAMORE CREEK (L.M. 18.04).
(10)	TO BE USED FOR TEMPORARY STRIPING DURING PLACEMENT OF THE SPOT LEVELING. NO PAYMENT WILL BE MADE FOR TEMPORARY STRIPING DURING PLACEMENT OF THE FINAL SURFACE (ON EITHER EXISTING SURFACE OR FINAL) COURSE DUE TO CONTRACTOR'S METHODS OF CONSTRUCTION.
(11)	QUANTITY CALCULATED BY MULTIPLYING THE PROJECT LENGTH BY A FACTOR OF (60/75). WILL BE USED FROM L.M. 13.14 - L.M. 13.21.
(12)	NO PAYMENT WILL BE MADE DIRECTLY FOR THE WATER REQUIRED TO DILUTE THE TACK COAT.
(13)	APPLICATION RATE BASED ON 12 PERCENT OF THE DRY WEIGHT OF THE AGGREGATE.
(14)	APPLICATION RATE: 1 PASS=22LBS (APPROXIMATE DEPTH 0.275") PER SQUARE YARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-33(162)	2

REV. 05-02-25: REVISED ALTERNATES AND ADDED ALTERNATE 3. ADDED ITEM NO. 411-03.07 TO ALTERNATE 2.

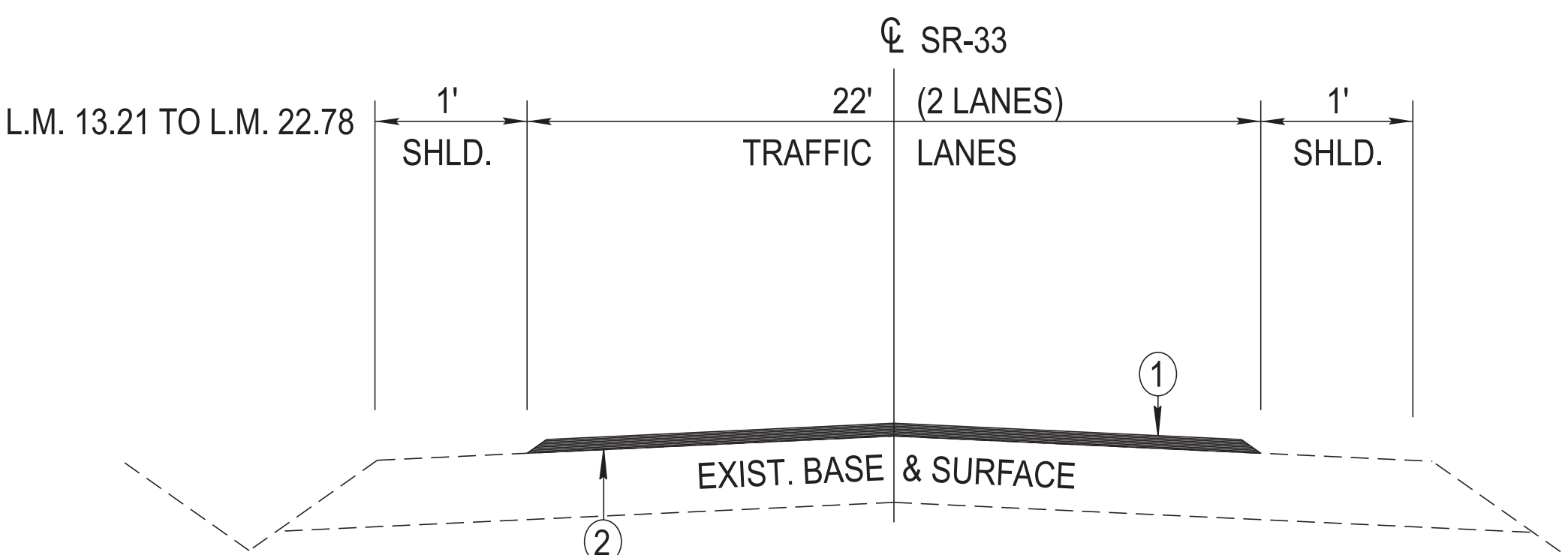
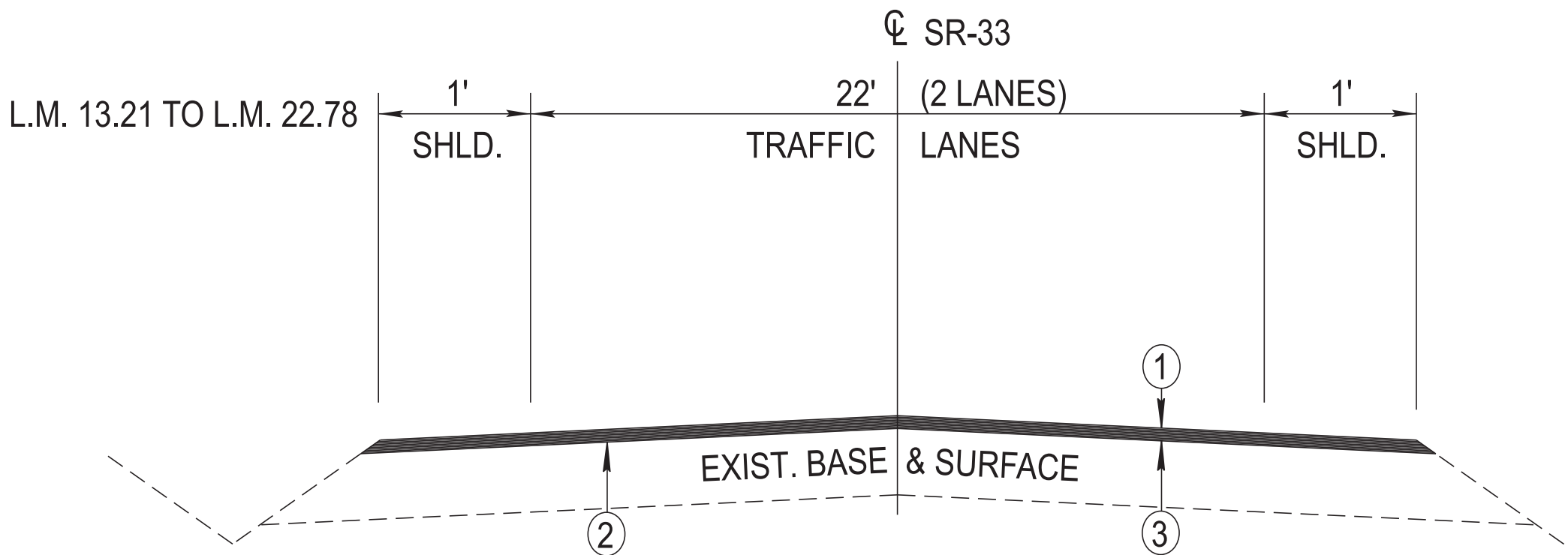
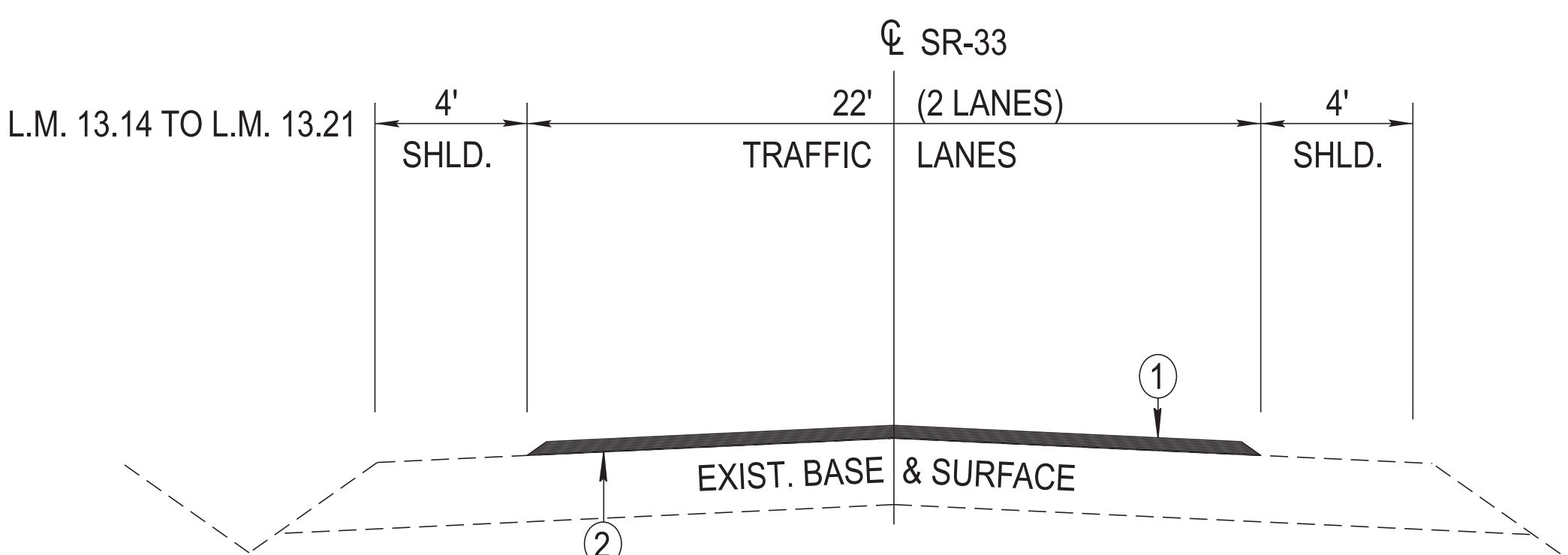
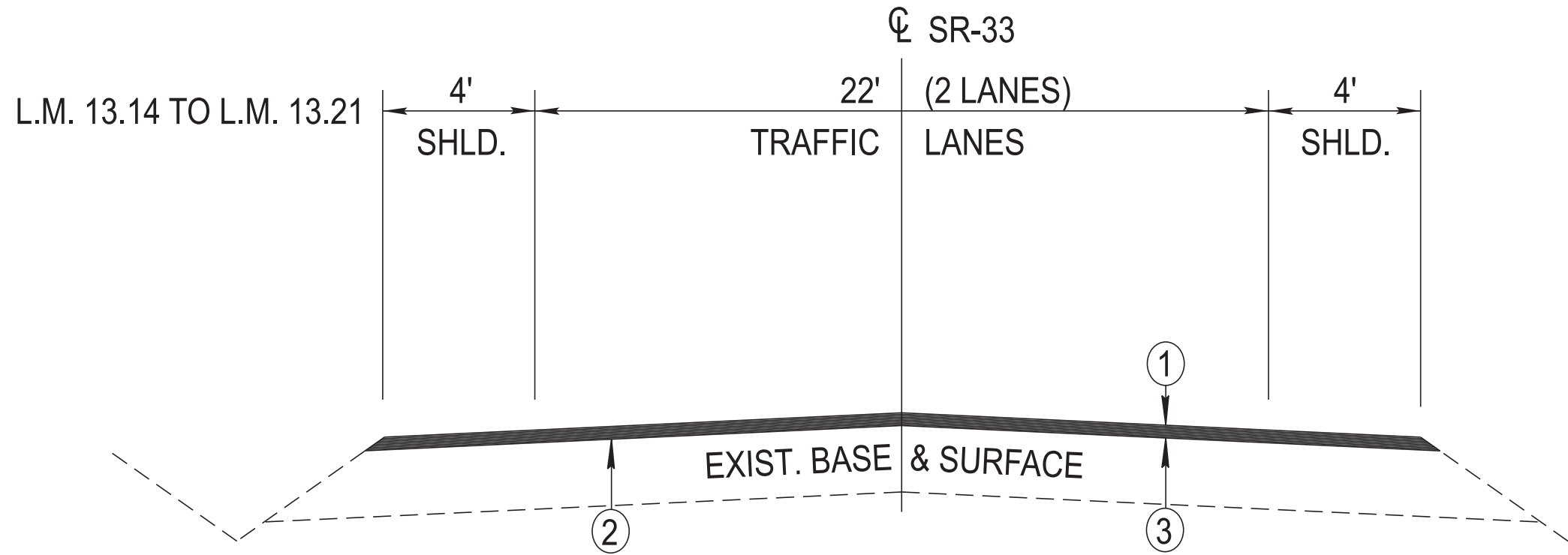
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05/02/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES



PROPOSED PAVEMENT SCHEDULE	
ALTERNATE 1	
①	THIN LIFT ASPHALT (HM) ½" (APPROX. 65 LBS/SY) ITEM NO. 411-03.12 ACS MIX (PG64-22) THIN LIFT D ASPHALT
②	BITUMINOUS PLANT MIX BASE (HM) (SPOT LEVELING) ITEM NO. 307-01.15 ACS MIX (PG64-22) (BPMLC-HM) GRADING CS
③	TACK COAT (TC) (APPROX. 0.15 GAL/SY) ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
COLD PLANING ½" TH. (APPROX. 78.8 LBS/SY) ITEM NO. 415-01.01 COLD PLANING BITUMINOUS PAVEMENT	

BRIDGE NOTES:
BRIDGE OVER BRANCH (L.M. 13.68) AND BIG SYCAMORE CREEK (L.M. 18.04) IS TO BE COLD PLANED ½" AND PAVED WITH ½" 411-03.12 ACS MIX (PG64-22) GRADING THIN LIFT D ASPHALT.

PROPOSED PAVEMENT SCHEDULE	
ALTERNATE 2	
①	THIN LIFT ASPHALT (HM) ½" (APPROX. 65 LBS/SY) ITEM NO. 411-03.07 ACS MIX (PG64-22) THIN LIFT ASPHALT
②	BITUMINOUS PLANT MIX BASE (HM) (SPOT LEVELING) ITEM NO. 307-01.15 ACS MIX (PG64-22) (BPMLC-HM) GRADING CS
③	TACK COAT (TC) (APPROX. 0.15 GAL/SY) ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
COLD PLANING ½" TH. (APPROX. 78.8 LBS/SY) ITEM NO. 415-01.01 COLD PLANING BITUMINOUS PAVEMENT	

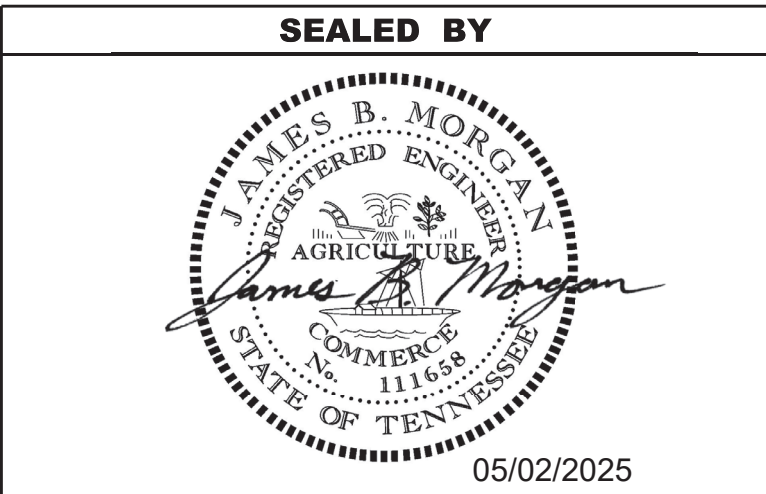
BRIDGE NOTES:
BRIDGE OVER BRANCH (L.M. 13.68) AND BIG SYCAMORE CREEK (L.M. 18.04) IS TO BE COLD PLANED ½" AND PAVED WITH ½" 411-03.07 ACS MIX (PG64-22) GRADING THIN LIFT ASPHALT.

PROPOSED PAVEMENT SCHEDULE	
ALTERNATE 3	
①	MICRO-SURFACING (APPROX. 32 LBS/SQ.YD.) ITEM NO. 414-03.01 EMULSIFIED ASPHALT FOR MICRO-SURFACING ITEM NO. 414-03.02 AGGREGATE FOR MICRO-SURFACING
②	TACK COAT (TC) ITEM NO. 403-01.01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (MICRO-SURFACING) (APPROX. 0.10 - 0.15 GAL/SY) OF DILUTED EMULSION)

BRIDGE NOTES:
BRIDGE OVER BRANCH (L.M. 13.68) AND BIG SYCAMORE CREEK (L.M. 18.04) IS TO BE PAVED WITH MICROSURFACING MIX.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-33(162)	2B

REV. 05-02-25: REVISED PAVING ALTERNATES CHANGED ALTERNATE 2 TO ALTERNATE 3. ADDED NEW ALTERNATE 2.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
AND PAVEMENT
SCHEDULE