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HDR ENGINEERING, INC.
120 BRENTWOOD COMMONS WAY
SUITE 525
BRENTWOOD, TN 37027
ANTHONY L. WASHINGTON, III, P.E. 119749

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, STANDARD ROADWAY DRAWINGS AND STANDARD TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B

YEAR	PROJECT NO.	SHEET NO.
2026	NH-I-24-9(104)	ROADWAY-SIGN 2

REV. 03-11-26: ADDED SHEET.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
SIGNATURE SHEETS.....	ROADWAY-SIGN2
TITLE SHEET.....	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND STANDARD TRAFFIC DESIGN DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES.....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE.....	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E, 2E1
TABULATED QUANTITIES.....	2F
PAVEMENT MARKING IMPROVEMENTS.....	2G, 2G1 – 2G7
TRAFFIC DETECTION LOOPS DETAIL.....	2G8
UTILITY NOTES, AND UTILITY OWNERS.....	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL ...	T1

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

NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS.

NO PROJECT COMMITMENTS ARE INCLUDED IN THIS SET OF PLANS.

STANDARD ROADWAY DRAWINGS

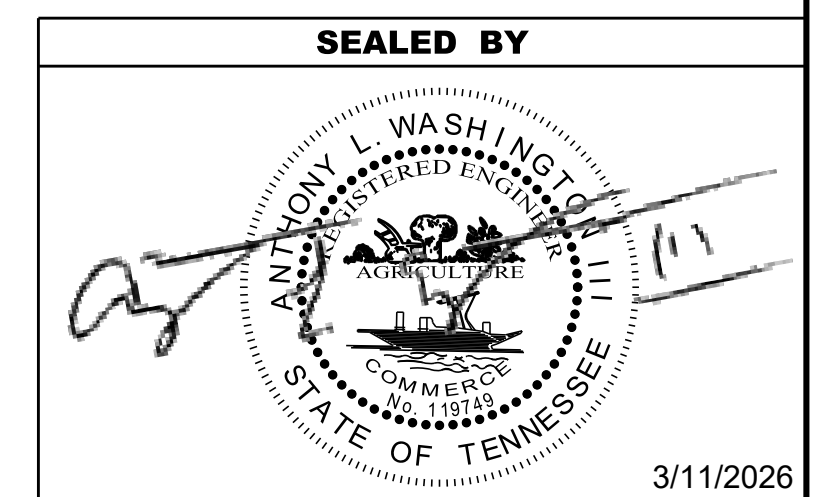
DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
10-200.00 SIGN		
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE "U" POST SIGN PLACEMENT DETAILS
T-S-17	07-30-25	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-30-25	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-30-25	SIGN DETAILS
10-204.00 DESIGN - TRAFFIC CONTROL		
T-M-5	01-24-25	MARKING DETAIL FOR FREEWAYS
T-M-6	01-24-25	MARKING DETAIL FOR EXPRESSWAY AND 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	07-22-25	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
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-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
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	NH-L24-9(104)	1A

REV. 03-11-26: ADDED ROADWAY-SIGN 2 TO INDEX.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,
STANDARD ROADWAY
DRAWINGS AND
STANDARD TRAFFIC
DESIGN DRAWINGS

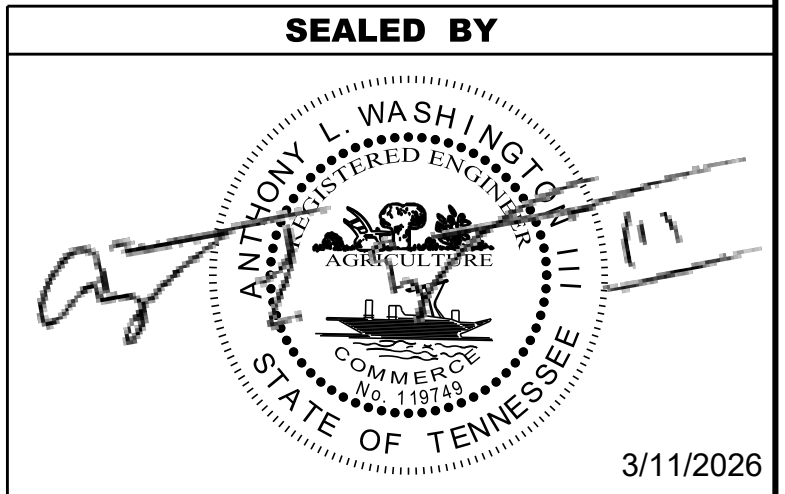
ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
			191024-F8-016
(1)(2)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	20
(1)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	2647
(3)	307-03.08 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING B-M2	TON	3850
(4)	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	133
	411-01.07 ACS MIX (PG64-22) GRADING E SHOULDER	TON	4815
(5)	411-03.10 ACS MIX(PG76-22) GRADING D	TON	15098
	411-12.01 SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	19.4
(6)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	23642
(7)	712-01 TRAFFIC CONTROL	LS	0.6
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	150
	712-05.03 WARNING LIGHTS (TYPE C)	EACH	70
(8)	712-06 SIGNS (CONSTRUCTION)	S.F.	3344
(9)	712-06.16 SIGNS (CONSTRUCTION)(REDUCED SPEED WARNING)	EACH	4
	712-07.03 TEMPORARY BARRICADES (TYPE III)	L.F.	24
	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	12
	712-08.12 QUEUE PROTECTION TRUCK	DAY	120
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	4
(10)	713-16.20 SIGNS (W4-2R, LANE ENDS (RIGHT), 48"X48")	EACH	1
	716-01.23 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	967
	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	874
(11)(12)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	1400
(11)(12)(13)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	16
(11)(12)	716-02.07 PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	1255
(11)(12)(13)	716-04.06 PLASTIC PAVEMENT MARKING (WRONG WAY ARROW)	EACH	1
(11)(12)(13)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	14
(11)(12)	716-04.14 PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)	EACH	12
(14)	716-05.02 PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	3478
(14)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	28
	716-08.20 REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	1.9
(15)	716-09.83 CONTRAST PAVEMENT MARKING 6"	L.F.	9950
(12)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	23.3
(12)	716-12.03 ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	3478
(12)	716-12.05 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	3540
	717-01 MOBILIZATION	LS	0.6
(16)	730-03.20 INSTALL PULL BOX (TYPE A)	EACH	1
(16)	730-12.02 CONDUIT 2" DIAMETER (PVC SCHEDULE 40)	L.F.	10
(16)	730-14.02 SAW SLOT	L.F.	250
(16)(17)	730-14.03 LOOP WIRE	L.F.	750

THERE IS NO GUARDRAIL WORK ON THIS PROJECT

FOOTNOTES	
(1)	TO BE USED AS DIRECTED BY THE ENGINEER.
(2)	INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET 2C, PAVEMENT MARKINGS, FINAL PAVEMENT MARKING NOTE 6 AND SHEET 2D, PAVEMENT, RESURFACING, NOTE 2.
(3)	TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT REPAIR. INCLUDES 2000 TONS FOR SPOT LEVELING.
(4)	INCLUDES 11 TONS FOR SPOT REPAIR, RAMPS AND RAMP SHOULDERS.
(5)	INCLUDES 2088 TONS FOR SPOT REPAIR AND RAMPS.
(6)	INCLUDES 3300 TONS FOR SPOT REPAIR, RAMPS AND RAMP SHOULDERS.
(7)	THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
(8)	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).
(9)	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.
(10)	SEE SHEETS 2G, 2G1 - 2G7 PAVEMENT MARKING IMPROVEMENTS, FOR LOCATIONS.
(11)	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.
(12)	ITEM TO BE USED AS PERMANENT MARKING ONLY.
(13)	ITEM TO BE USED ON I-24 EXIT 35 EASTBOUND OFF RAMP.
(14)	ITEM TO BE USED AS TEMPORARY PAVEMENT MARKING ONLY.
(15)	FOR PERMANENT EDGE LINE MARKING ON RAMP CONCRETE SURFACES.
(16)	ITEM TO BE USED FOR REPLACEMENT OF LOOP DETECTION AT L.M. 0.030 EB.
(17)	ITEM INCLUDES AN EXTRA 160' (20' PER LEAD LINE) THAT IS TO REMAIN IN PULL BOX FOR INSTALLATION BY TRAFFIC COUNTER PERSONNEL.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	NH-L24-9(104)	2

REV. 03-11-26: ADDED ITEM 411-01.07. REVISED QUANTITIES FOR ITEMS 411-03.10 AND 415-01.01.

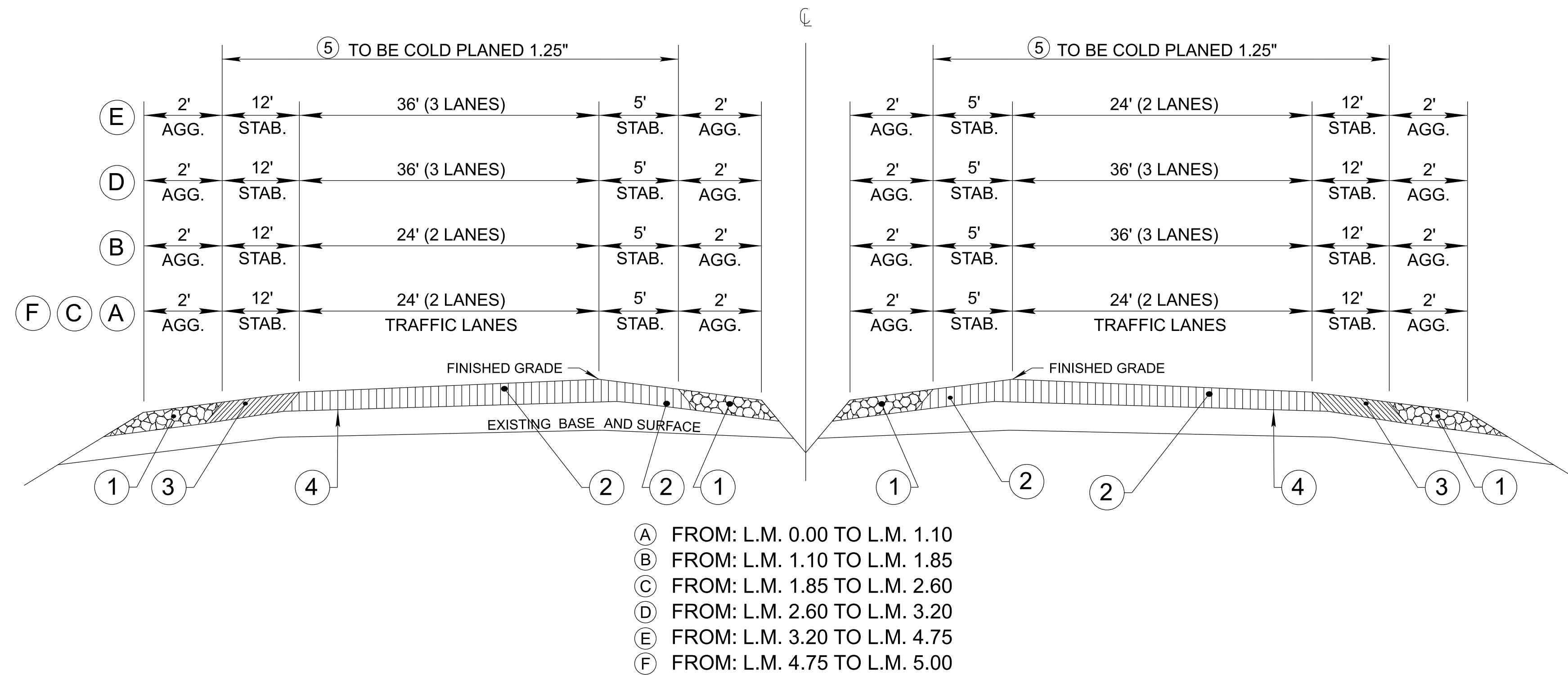


STATE OF TENNESSEE
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ESTIMATED
ROADWAY
QUANTITIES

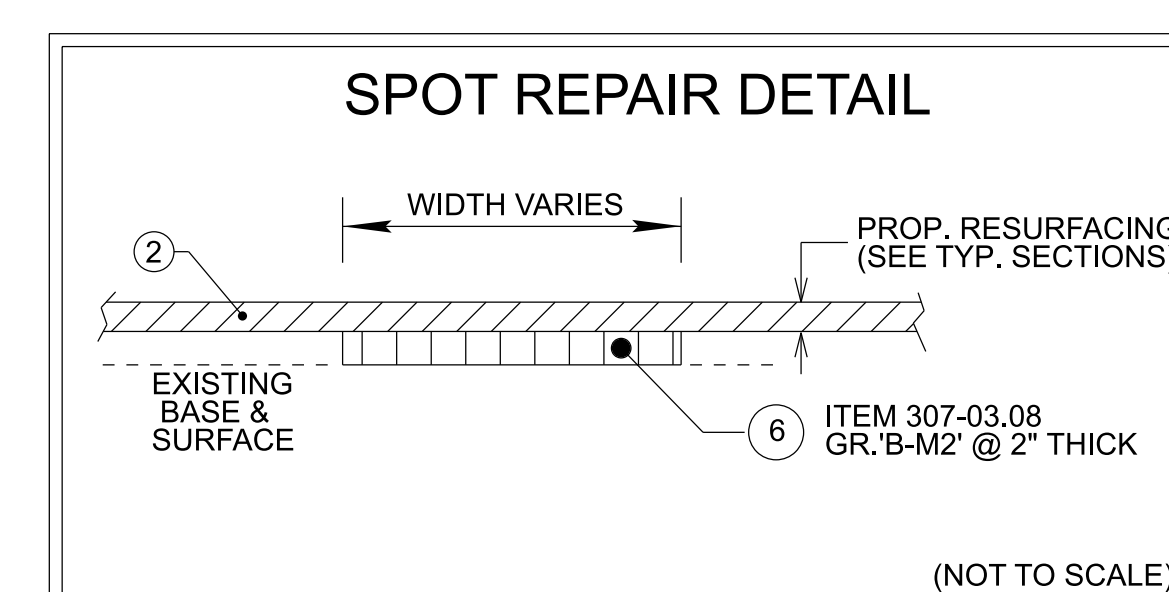
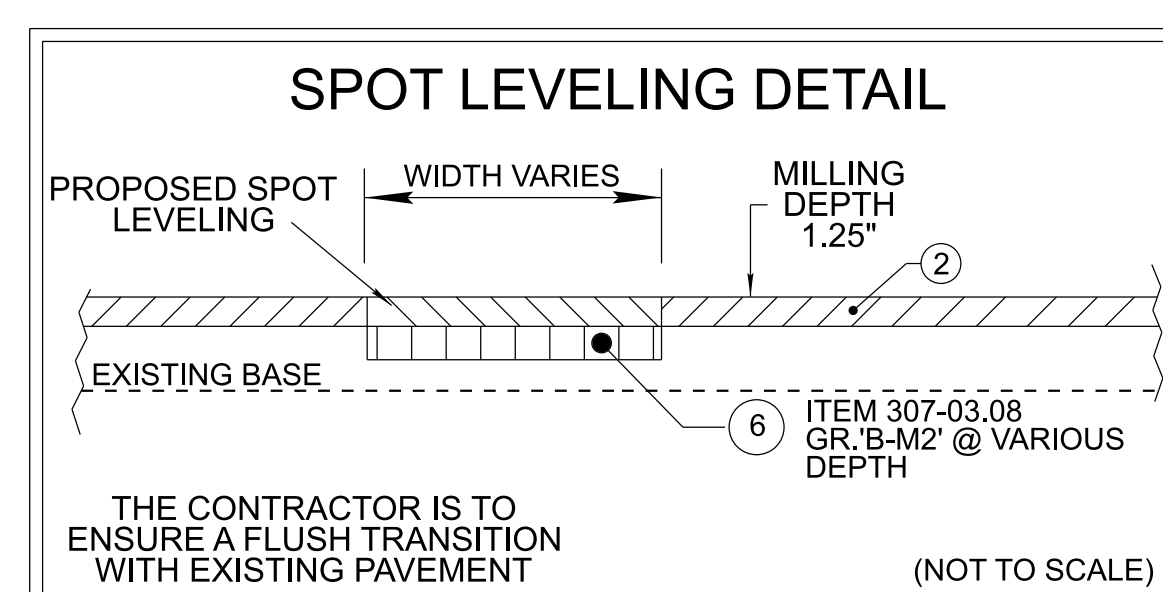
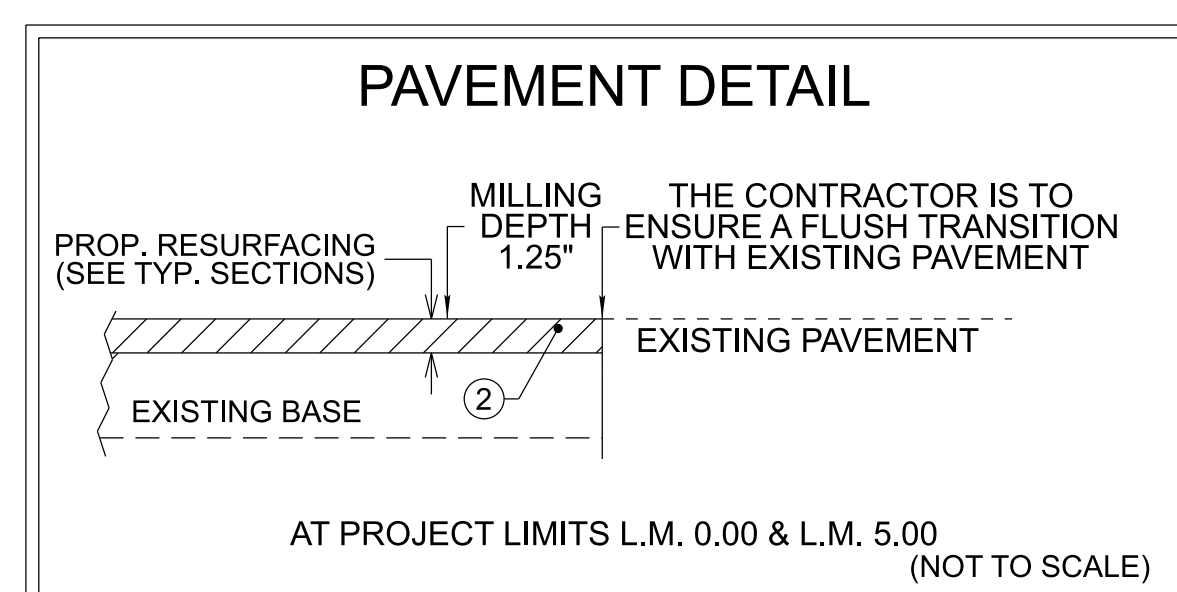
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	NH-L24-9(104)	2B

REV. 03-11-26: REVISED PROPOSED PAVEMENT SCHEDULE NUMBERING AND ADDED ITEM 411-01.07.



PROPOSED PAVEMENT SCHEDULE

①	MINERAL AGGREGATE @ 2.00"± THICK FOR SHOULDERS
ITEM 303-01	MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"
②	ASPHALTIC CONCRETE SURFACE (HM) @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)
ITEM 411-03.10	ACS MIX (PG76-22) GRADING "D"
③	ASPHALTIC CONCRETE SURFACE (HM) @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)
ITEM 411-01.07	ACS MIX (PG64-22) GRADING "E" SHOULDER
④	TACK COAT
ITEM 403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
⑤	COLD PLANING @ 1.25"± THICK (APPROX. 131.25 LBS./S.Y.)
ITEM 415-01.01	COLD PLANING BITUMINOUS PAVEMENT
⑥	BITUMINOUS COURSE (BINDER) @ 2.00"± THICK (APPROX. 226.0 LBS./S.Y.)
ITEM 307-03.08	ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING "B-M2" (TO BE USED FOR SPOT REPAIR AND SPOT LEVELING ONLY)



SEALED BY



3/11/2026

NOT TO SCALE

STATE OF TENNESSEE
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TYPICAL
SECTIONS AND
PAVEMENT
SCHEDULE