

25-FEB-2025 15:11
\\TDO\T04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIP\TON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00))\0 - SignatureSheet.dgn



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Eric S. Brown

Digitally signed by Eric S. Brown
Date: 2025.02.26 08:29:35 -06'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

TENNESSEE DEPARTMENT OF TRANSPORTATION
ADMINISTRATION BUILDING, FIRST FLOOR
300 BENCHMARK PLACE
JACKSON, TN 38301
ERIC BROWN, P.E. NO. 120440

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-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
PROJECT COMMITMENTS.....	1B
ESTIMATED ROADWAY QUANTITIES.....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E, 2E1
TABULATED QUANTITIES	2F
UTILITY NOTES AND UTILITY OWNERS.....	3
PAVEMENT DROP-OFF NOTES FOR TRAFFIC CONTROL.....	4

YEAR	PROJECT NO.	SHEET NO.
2025	STP/HSIP-54(52)	ROADWAY-SIGN1

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
SIGNATURE SHEET

Index Of Sheets
SEE SHEET NO. 1A

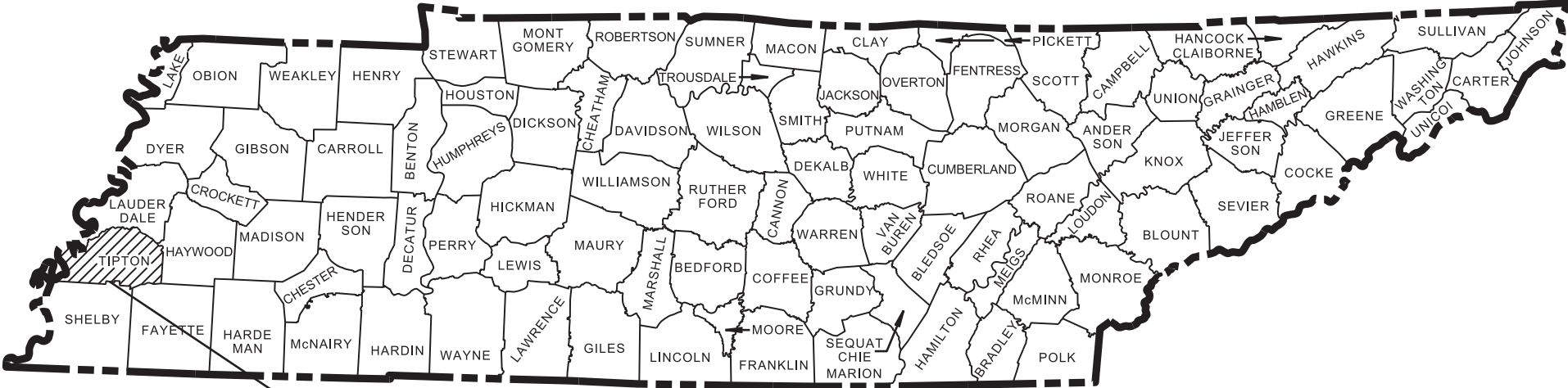
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

TIPTON COUNTY

SR-54
FROM: L.M. 0.00 (SR-3)
TO: L.M. 9.77 (HAYWOOD CO. LINE - INCLUDING
SOUTHBOUND L.M. 0.00 TO 0.25)
RESURFACE & SAFETY
COLD PLANING, 411D PAVING, PAVEMENT MARKINGS, & GUARDRAIL
STATE HIGHWAY NO. 54 F.A.H.S. NO. N/A

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

TENN.	YEAR 2025	SHEET NO. 1
FED. AID PROJ. NO.	STP/HSIP-54(52)	
STATE PROJ. NO.	84S054-F3-002 84S054-F8-002 84S054-M3-003	



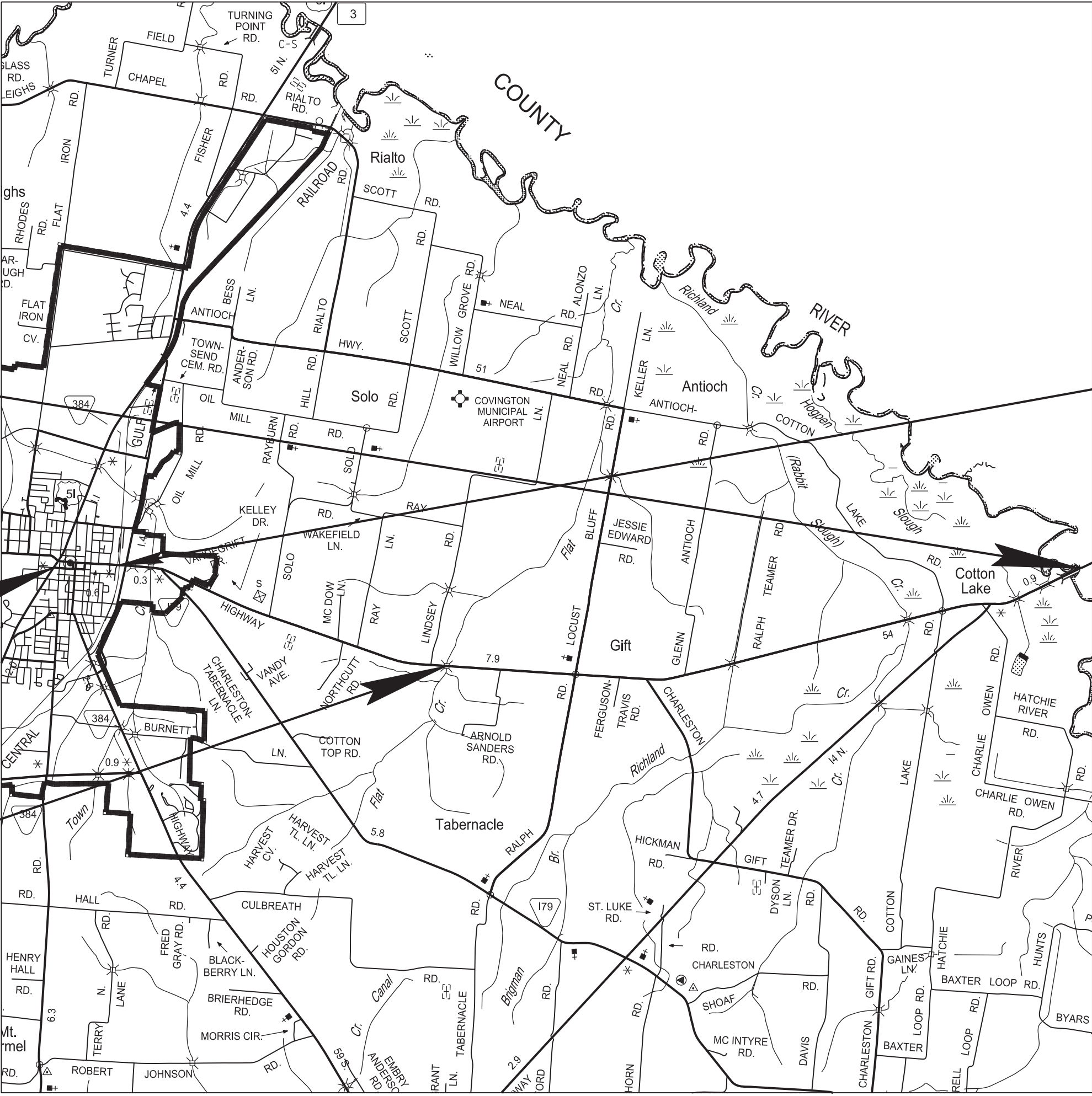
PROJECT LOCATION

BRIDGE ID. # 84SR0540001 (BRANCH)
84SR0540003 (TOWN CREEK)
84SR0540005 (FLAT CREEK)
84SR0540007 (BRANCH)
84SR0540009 (BRIGMON BRANCH)
84SR0540011 (BRANCH)
84SR0540013 (OVERFLOW)
84SR0540015 (HATCHIE RIVER)



NO EXCLUSIONS

ILLINOIS CENTRAL RAILROAD COMPANY
CROSSING #297452G @ L.M. 0.658



84S054-F3-002
84S054-F8-002
END PROJECT NO. STP/HSIP-54(52) RESURFACE & SAFETY
L.M. 9.77 (HAYWOOD COUNTY LINE)
- INCLUDING SOUTHBOUND L.M. 0.00 TO L.M. 0.250

84S054-F3-002
84S054-F8-002
BEGIN PROJECT NO. STP/HSIP-54(52) RESURFACE & SAFETY
L.M 0.00 (SR-3)

BEGIN & END PROJECT NO. 85S054-M3-003 BRIDGE REPAIR
BRIDGE NO. 84SR0540005 - L.M 3.80 (SR-3)

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 : LYNN EVANS P.E., REG. 4
DESIGNER : THOMAS JONES, REG. 4 CHECKED BY : ERIC S. BROWN P.E., REG. 4
P.E. NO. 98043-4283-04 (DESIGN)
PIN NO. 123948.00

PROJECT LENGTH 9.770 MILES
TOTAL LANE MILES RESURFACED 19.540 MILES

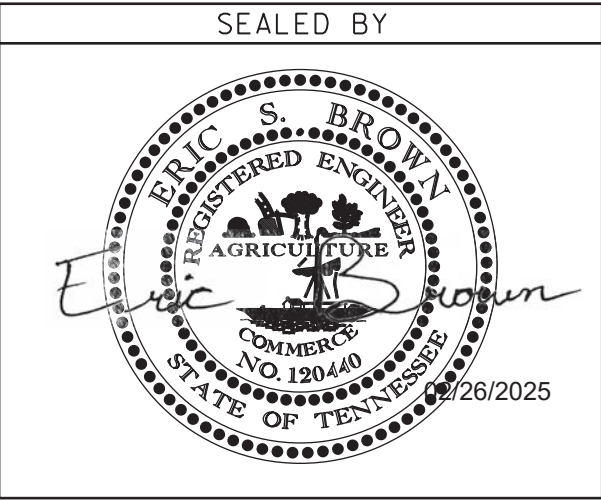
PROJECT TO BE BUNDLED
WITH PIN 127337.01 AND
PIN 129305.00

TRAFFIC COUNTER
STATIONS

STATION	LOG MILE
WEST LIBERTY TCS #89	0.203
WEST PLEASANT TCS #114	0.092
TCS #49	1.716
TCS #55	6.130
TCS #82	9.407

TRAFFIC DATA

ADT (2023)	5270
POSTED SPEED 15/30/45/55 MPH	



APPROVED:
WILL REID, CHIEF ENGINEER

DATE:

APPROVED:
HOWARD H. ELEY, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:
DIVISION ADMINISTRATOR DATE

25-FEB-2025 15:11
\\DOT04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\1A - ROADWAY INDEX AND STD. DRAWINGS.dgn

ROADWAY INDEX

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

STANDARD ROADWAY DRAWINGS


DWG.	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
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
SAFETY DESIGN AND GUARDRAILS		
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
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-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-4	03-01-23	IN-LINE GUARDRAIL ANCHOR TO PRIVATE DRIVE
S-GR28-7M	06-28-19	GUARDRAIL ATTACHMENT TO BRIDGE END DETAILS MAINTENANCE ONLY
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-16	07-30-24	RUMBLE STRIP INSTALLATION LAYOUT
T-M-16A	02-03-20	RUMBLE STRIP DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

STANDARD TRAFFIC OPS. DRAWINGS

DWG.	REV.	DESCRIPTION
RAILROAD CROSSING		
T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD ACTIVE HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	1A

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION


ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

25-FEB-2025 15:11
\\DOT04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\1B - Project Commitments.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	1B

PROJECT COMMITMENTS			
COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENT	AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS COMPLETED ON BRIDGE NO. 84SR0540005 SR-54 OVER FLAT CREEK LM 3.81 (84-SR054-03.81). NO ASBESTOS WAS DETECTED. PLEASE SEE THE REPORT FOR FURTHER DETAILS AND PHOTOGRAPHS. NO SPECIAL ACCOMMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE STRUCTURES AND THE MATERIAL CAN BE DEPOSITED IN A C&D LANDFILL. PRIOR TO THE DEMOLITION OR REHABILITATION OF ANY STRUCTURE (BRIDGE OR BUILDING), THE CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TDEC DIVISION OF AIR POLLUTION CONTROL (PER TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021) SECTIONS 107.08.D AND 202.03).	L.M.3.81

SEALED BY



Eric S. Brown

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT
COMMITMENTS

25-FEB-2025 15:11
\\TDOT04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\2 - ESTIMATED QTY.sht


ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 84S054-F8-002	QUANTITY 84S054-F3-002	TOTAL QUANTITY
(1)	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	750	750
	203-06	WATER	M.G.	17.5	17.5
	208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	17	17
(1)					
	303-02	MINERAL AGGREGATE, TYPE B BASE, GRADING (C OR D)	TON	2350	2350
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	345	345
(2)(3)	403-02.01	TRACKLESS TACK COAT	TON	75	75
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	12810	12810
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	8.5	8.5
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	11750	11750
(4)					
	611-09.04	CATCHBASIN RETROFIT	EACH	15	15
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	405	405
(5)	705-02.10	GUARDRAIL TRANSITION 27IN TO 31IN	EACH	9	9
(5)	705-04.10	EARTH PAD FOR GUARD RAIL END TREATMENT	EACH	19	19
(5)	705-06.11	GR TERMINAL (IN-INLINE) MASH TL3	EACH	1	1
(5)	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	20	20
(5)	705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL2	EACH	4	4
(5)					
	706-01	GUARDRAIL REMOVED	L.F.	450	450
	706-06.03	RADIUS RAIL	L.F.	12.5	12.5
	706-10.83	DRILL BR. PAR. WALL FOR MICHIGAN END SHOE	EACH	16	16
(5)	712-01	TRAFFIC CONTROL	LS	0.6	0.6
	712-06	SIGNS (CONSTRUCTION)	S.F.	1611	1611
	712-08.03	ARROW BOARD (TYPE C)	EACH	2	2
(5)	713-02.21	SIGN POST DELINEATION ENHANCEMENT	L.F.	21	21
	713-15.36	REMOVE SIGN, SUPPORT & FOOTING	EACH	4	4
	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	2	2
	713-16.21	SIGNS (TN STATE ROUTE 54 SIGN (M1-1))	EACH	1	1
	713-16.22	SIGNS (JUNCTION PLAQUE (M2-1))	EACH	1	1
	713-16.23	SIGNS (STOP AHEAD (W3-1))	EACH	2	2
	713-16.24	SIGNS (HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-4))	EACH	1	1
	713-16.25	SIGNS (STOP SIGN (R1-1))	EACH	2	2
(6)(7)	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	283	283
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	283	283
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	410	443
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	6	6
	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	2	2
	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	2	2
	716-03.03	PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	1	1
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	4	4
	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	1	1
	716-04.10	PLASTIC PAVEMENT MARKING (HANDICAP SYMBOL)	EACH	4	4
(6)	716-05.08	PAINTED PAVEMENT MARKING (PARKING LINE)	L.F.	3150	3150
(8)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	34.62	34.62
(6)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	34.5	34.5
	717-01	MOBILIZATION	LS	0.6	0.6

THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT.

FOOTNOTES	
(1)	FOR USE ON BREAKOUTS ONLY
(2)	INCLUDES 120 TONS FOR SPOT LEVELING.
(3)	INCLUDES 478 TONS FOR BUSINESS ENTRANCES, FIELD ENTRANCES, COUNTY ROADS, CITY STREETS, AND PRIVATE DRIVES
(4)	COST TO INCLUDE REMOVAL OF EXISTING GRATE AND REPLACEMENT OF BICYCLE FRIENDLY GRATES WHERE APPLICABLE, INCLUDING ALL MATERIALS, PARTS, LABOR, EQUIPMENT, MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR REMOVAL AND INSTALLATION. THE CONTRACTOR SHALL VERIFY GRATE DIMENSIONS IN THE FIELD. SEE SHEET 2F FOR LOCATIONS AND DETAILS.
(5)	SEE TABULATED QUANTITIES, SHEET 2F
(6)	FINAL PAVEMENT MARKING ONLY
(7)	THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THE THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE UNIT PRICE AS BID FOR THERMOPLASTIC.
(8)	FOR USE AS TEMPORARY LINE MARKINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	2

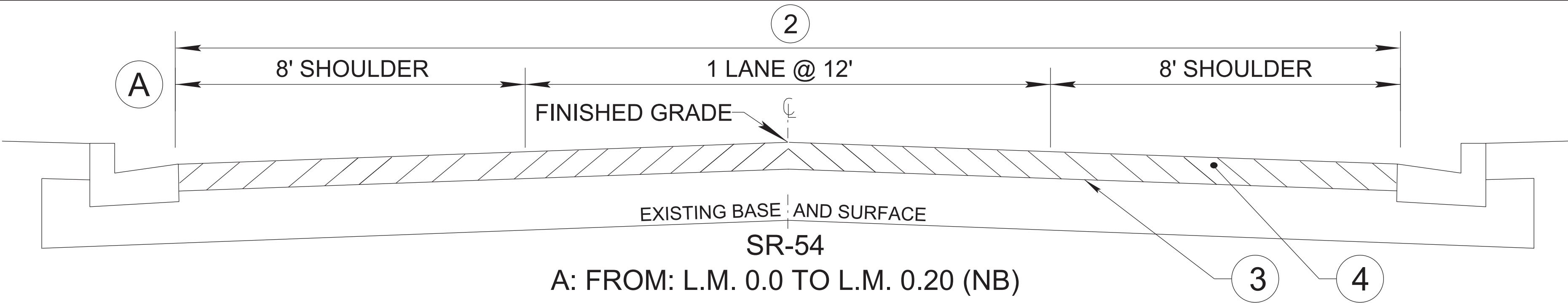
SEALED BY



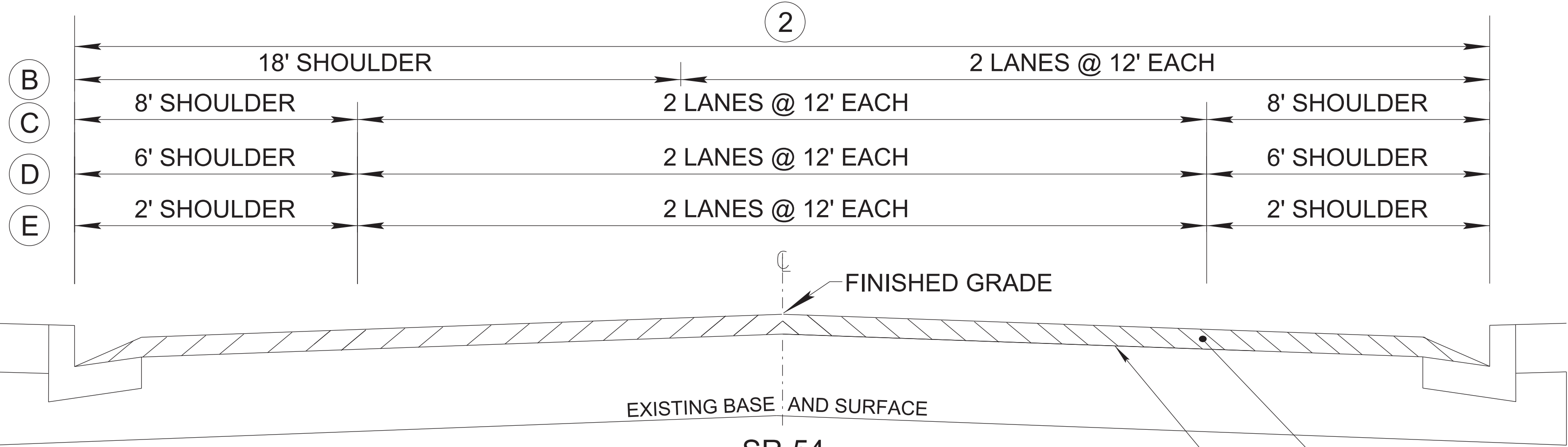
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

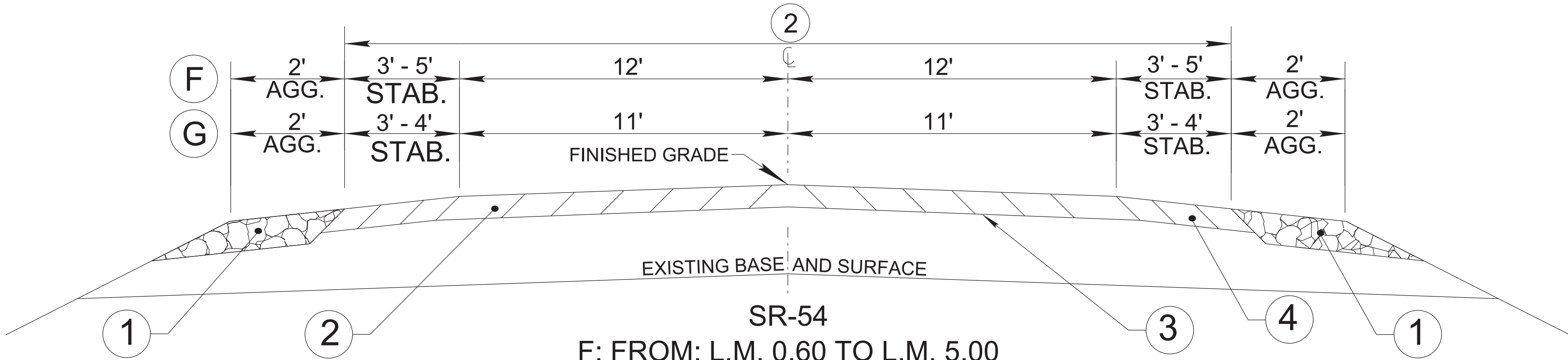
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	2B



SR-54
A: FROM: L.M. 0.0 TO L.M. 0.20 (NB)



SR-54
B: FROM: L.M. 0.00 TO L.M. 0.25 (SB)
C: FROM: L.M. 0.20 TO L.M. 0.34 (NB)
D: FROM: L.M. 0.34 TO L.M. 0.60
E: FROM: L.M. 9.60 TO L.M. 9.77



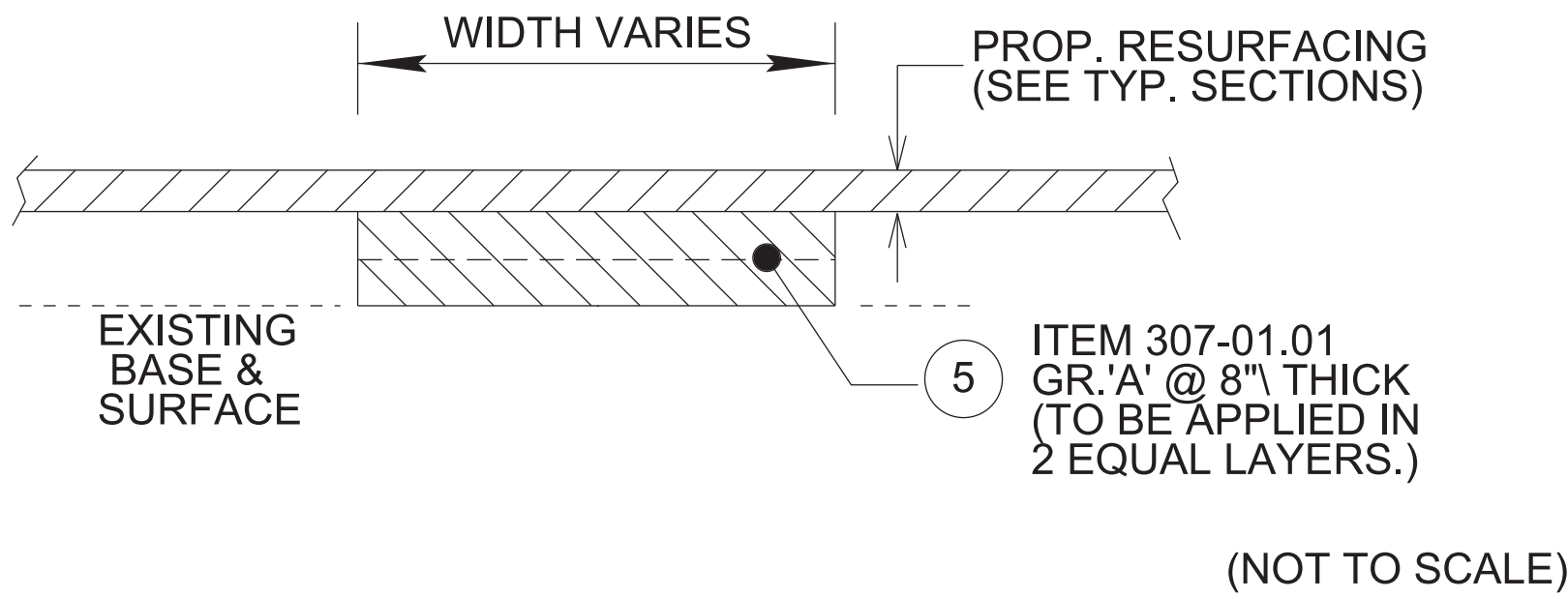
SR-54
F: FROM: L.M. 0.60 TO L.M. 5.00
G: FROM: L.M. 5.00 TO L.M. 9.60

BRIDGE NOTES			
LOCATION	BRIDGE NO.	LENGTH (FT)	TREATMENT
L.M. 0.74	84SR0540001	59.50	PAVE WITH PLANS MIX TREATMENT TYPE
L.M. 0.88	84SR0540003	39.70	PAVE WITH PLANS MIX TREATMENT TYPE
L.M. 3.80	84SR0540005	140.75	SEAL WITH TYPE 1 THIN EPOXY OVERLAY AND REPLACE BRIDGE JOINTS
L.M. 6.46	84SR0540007	34.80	PAVE WITH PLANS MIX TREATMENT TYPE
L.M. 8.10	84SR0540009	142.50	COLD PLANE AT A DEPTH OF 2.25" AND REPLACE WITH 1.25" OF D-MIX
L.M. 9.12	84SR0540011	85.50	COLD PLANE AT A DEPTH OF 3.75" AND REPLACE WITH 1.25" OF D-MIX
L.M. 9.37	84SR0540013	102.00	COLD PLANE AT A DEPTH OF 1.25" AND REPLACE WITH 1.25" OF D-MIX
L.M. 9.60	84SR0540015	2885.25	COLD PLANE AT A DEPTH OF 1.25" AND REPLACE WITH 1.25" OF D-MIX

PROPOSED PAVEMENT SCHEDULE

- MINERAL AGGREGATE BASE @ 2.00"± THICK FOR SHOULDERS
ITEM 303-02 MINERAL AGGREGATE, TYPE "B" BASE, GRADING "C OR D"
- COLD PLANING @ 1.25"± THICK (APPROX. 131.25 LBS./S.Y.)
ITEM 415-01.01 COLD PLANING BITUMINOUS PAVEMENT
- TRACKLESS TACK COAT
ITEM 403-02.01 - TRACKLESS TACK COAT
SEE TDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION SECTION 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD.
- ASPHALTIC CONCRETE SURFACE (ACS) @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)
ITEM 411-01.10 ACS MIX (PG64-22) GRADING "D"
- BITUMINOUS COURSE (BLACK BASE) @ 8.00"± THICK (APPROX. 920.0 LBS./S.Y.)
ITEM 307-01.01 ASPHALT CONCRETE MIX (PG64-22)(BPMB-HM) GRADING "A"
(THIS ITEM IS TO BE USED FOR BREAKOUT ONLY)

DETAIL OF BREAKOUT



SEALED BY



NOT TO SCALE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS AND
PAVEMENT
SCHEDULE

GENERAL NOTES

GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

GUARDRAIL

- (1) THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPES UNTIL THE ENGINEER CONCURS IN THE NECESSITY OF REMOVAL DUE TO CONSTRUCTION REQUIREMENTS AND THE APPROPRIATE WARNING DEVICES ARE INSTALLED. THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.
- (3) IF ANY APPROACH END OF A SECTION OF GUARDRAIL OR BRIDGE RAIL MUST TEMPORARILY BE LEFT INCOMPLETE AND EXPOSED TO TRAFFIC, THE CONTRACTOR SHALL USE TWO (2) TEMPORARY BARRICADES OR DRUMS WITH TYPE "A" LIGHTS AND ROUNDED END ELEMENTS AS MINIMUM MEASURES TO PROTECT TRAFFIC FROM THE HAZARD OF AN EXPOSED END. ALL COST OF FURNISHING AND INSTALLING TEMPORARY BARRICADES OR DRUMS WITH TYPE "A" LIGHTS TO DELINEATE GUARDRAIL END AND A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL END TERMINAL.

MISCELLANEOUS

- (2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.
- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- (2) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20, PAINTED PAVEMENT MARKING (6" LINE), L.M.

FINAL PAVEMENT MARKING

- (5) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

a. SHOULDERS SHALL BE BROOMED AND DE-GRASSED AND MATERIAL SHALL BE PICKED UP AND REMOVED. THIS WILL BE PAID FOR UNDER ITEM NO. 208-01.05.

b. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (9) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.
- SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS
- (20) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.
- PAVEMENT
- (2) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.
- RESURFACING
- (4) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(5) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.

(6) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.

(7) ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS SHALL BE RESURFACED TO THE END OF RADIUS. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD SHALL BE PROVIDED.

(8) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.

(9) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.
- SIGNING
- (2) FOR ALL PERMANENT PANEL SIGNS WITH A SILVER-WHITE, YELLOW, RED, GREEN, BROWN, OR BLUE BACKGROUND, PROVIDE REFLECTIVE SHEETING THAT MEETS OR EXCEEDS AASHTO M268, TYPE D.

(4) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.

(5) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THEREGIONAL CONSTRUCTION OFFICE.

(7) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM NO. 713-15.36 AND BECOME THE PROPERTY OF THE CONTRACTOR.

(8) THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.

(11) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.

(12) ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. THE CONTRACTOR SHALL CHECK WITH THE REGIONAL TRAFFIC ENGINEER PRIOR TO MOVING ANY PERMANENT SIGNS.
- (13) AFTER THE PERMANENT SIGN LOCATIONS HAVE BEEN STAKED, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE CONSTRUCTION FIELD OFFICE. PAYMENT FOR LOCATION AND STAKING SHOULD BE INCLUDED IN THE BID PRICE FOR OTHER ITEMS OF CONSTRUCTION. ANY RELOCATION REQUIRED, DUE TO THE SIGN NOT BEING INSTALLED IN THE CORRECT LOCATION, WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
- CONSTRUCTION WORK ZONE & TRAFFIC CONTROL
- (1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.

(2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.

(3) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.


(4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

(5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

(6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

(7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

(9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.
- | TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---------|------|-----------------|-----------|
| RESURF. | 2025 | STP/HSIP-54(52) | 2C |
| | | | |
| | | | |
| | | | |
- SEALED BY


- STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES
- 25-FEB-2025 15:12
\\TDOT04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\2C - General Notes.dgn

SPECIAL NOTES

RESURFACING

- (1) SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.
- (2) THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT OFF BRIDGE DECK SO AS NOT TO DAMAGE THE EXISTING DECK SEALANT AND/OR EXPANSION JOINT MEMBERS (STEEL PLATES, BARS, AND/OR HEADERS). IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS TO ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE PROJECT ENGINEER AT NO ADDITIONAL COST.
- (3) THE BITUMINOUS MATERIAL DESIGNATED TO RESTORE THE COLD PLANING AREA WILL BE PLACED WITHIN 96 HOURS OF THE COMMENCEMENT OF COLD PLANING OPERATIONS. COLD PLANING OPERATIONS WILL BE LIMITED TO AN AREA EQUAL TO THAT WHICH CAN BE COVERED WITH BITUMINOUS MATERIAL WITHIN THE TIME LIMITS SPECIFIED, EVEN IF COLD PLANING OPERATIONS MUST BE SUSPENDED UNTIL PAVING CATCHES UP.

- (4) FEATHER SURFACE MIX TO ENDS OF BRIDGES THAT ARE NOT TO BE PAVED.

STORM DRAIN STRUCTURES

- (1) TAPER AROUND ALL CATCH BASINS, AREA DRAINS, AND MANHOLES AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKING

- (1) UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PAINTED MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-05.20.
- (2) UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PLASTIC MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-12.02.

SIGNS

- (1) IF THE CONTRACTOR ELECTS TO UTILIZE SIGN POST ANCHORS (STUBS) FOR SIGN ERECTION, THESE SHALL BE REMOVED WHEN THE SIGNS ARE REMOVED TO AVOID FUTURE DAMAGE TO MOWERS OR OTHER MACHINERY.

MISCELLANEOUS

- (1) ITEM 303-02 TO BE PLACED BEFORE PLACING SURFACING MATERIAL.
- (2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY SIGNS AND MAILBOXES DURING THE OPERATION. ANY SIGNS OR MAILBOXES DAMAGED AS A RESULT OF THE OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

RAILROAD NOTES

- (1) SURFACE WILL BE FEATHERED TO MATCH EXISTING GRADE AT RAILROAD CROSSING AS DIRECTED BY THE ENGINEER.
- (2) THE CONTRACTOR SHALL COLD PLANE AND RESURFACE THE ROADWAY NEAR AND UNDER THE RAILROAD'S UNDERPASS/BRIDGE STRUCTURE SO AS NOT TO DIMINISH THE EXISTING VERTICAL CLEARANCE BETWEEN THE HIGHEST POINT OF THE ROADWAY PAVEMENT AND THE LOWEST POINT OF THE RAILROAD BRIDGE SUPERSTRUCTURE.
- (3) THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PROTECT THE ILLINOIS CENTRAL RAILROAD TRACK FACILITIES AND PROPERTIES FROM ANY DAMAGE. THE WORK SHALL BE DONE IN ACCORDANCE WITH REGULATIONS STIPULATED BY ILLINOIS CENTRAIL RAILROAD SO TO MAINTAIN CLEARANCE AND NOT INTERRUPT TRAIN TRAFFIC IN ANY MANNER.
- (4) THE CONTRACTOR SHALL NOT, FOR ANY REASON, STORE ANY OF HIS CONSTRUCTION EQUIPMENT OR DUMP WASTE MATERIALS ON THE RAILROAD'S RIGHT-OF-WAY.

- (5) THE CONTRACTOR IS PROHIBITED FROM INSTALLING ANY CONSTRUCTION SIGNS, MESSAGE BOARDS, ARROWBOARDS AND/OR OTHER TEMPORARY TRAFFIC CONTROL SIGNS OR DEVICES WITHIN THE RAILROAD'S RIGHT-OF-WAY. IN ALL CASES, THESE SIGNS AND DEVICES MUST NEVER BE PLACED IN A POSITION SO AS TO OBSTRUCT THE VIEW OF ANY ADVANCE WARNING DEVICES SUCH AS CROSSBUCK SIGNS, CROSSING SIGNALS, ETC.

- (6) THE CONTRACTOR SHALL NOTIFY AND COORDINATE HIS WORK AT THE RAILROAD CROSSING WITH THE FOLLOWING REPRESENTATIVE OF THE RAILROAD:

ILLINOIS CENTRAL RAILROAD COMPANY

MR. JOSH GORDON

ILLINOIS CENTRAL RAILROAD COMPANY

CN MANAGER PUBLIC WORKS

2151 N. MILL STREET

JACKSON, MS 39202

PHONE: (601) 914-2658

FAX: (601) 914-2649

E-MAIL: JOSH.GORDON@CN.CA

PRESTON.GORDON@CN.CA

ILLINOIS CENTRAL RAILROAD COMPANY

- (1) THE CONTRACTOR WILL BE REQUIRED TO FILL OUT AND SUBMIT THE STANDARD FLAGGING REQUEST FORM TO US FLAGGING@CN.CA AT LEAST 10 WORKING DAYS IN ADVANCE, TO SET UP FLAGGING. USING THE SAME FORM, THE CONTRACTOR WILL BE REQUIRED TO REQUEST A SIGNAL CABLE LOCATE, FROM THE CN SIGNAL DEPARTMENT, TO IDENTIFY ALL CN UNDERGROUND UTILITIES FROM THE ACTIVE GRADE CROSSING WARNING SYSTEM PRIOR TO WORK.


297452G E LIBERTY ST (SR054), LM 0.65, IN COVINGTON, LAT 35.564431, LONG -89.639116

- (2) REMOVE THE EXISTING W10-1 SIGN LOCATED APPROXIMATELY 620 FEET WEST OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-1) ON EASTBOUND E LIBERTY ST (SR054) LOCATED APPROXIMATELY 270 FEET IN ADVANCE (WEST) OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2C.05 AND 8B.06, TABLES 2C-4 AND 8B-1, AND FIGURE 8B-4. INSTALL A 2-INCH WIDE YELLOW RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.
- (3) INSTALL ONE (1) RXR PAVEMENT MARKING ON EASTBOUND E LIBERTY ST (SR054) LOCATED ADJACENT TO THE W10-1 SIGN APPROXIMATELY 270 FEET IN ADVANCE OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND IN ACCORDANCE WITH MUTCD SECTION 8B.28 AND FIGURE 8B-6.
- (4) REMOVE THE EXISTING ROUTE JUNCTION SIGN ASSEMBLY (M1-5) LOCATED APPROXIMATELY 270 FEET WEST OF THE CROSSING. INSTALL ONE (1) NEW ROUTE JUNCTION SIGN ASSEMBLY (M1-1, M2-1) ON EASTBOUND E LIBERTY ST (SR054) ON A NEW POST LOCATED APPROXIMATELY 190 FEET IN ADVANCE (WEST) OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWING T-S-16. INSTALL A 2-INCH WIDE WHITE RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.
- (5) INSTALL NEW STOP LINES ON BOTH EASTBOUND AND WESTBOUND E LIBERTY ST (SR054) LOCATED APPROXIMATELY 8 FEET IN ADVANCE OF THE GATES AND A MINIMUM OF 15 FEET FROM THE NEAREST RAIL AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND IN ACCORDANCE WITH MUTCD SECTION 8B.28 AND FIGURE 8B-6.
- (6) REMOVE THE EXISTING W10-1 SIGN LOCATED APPROXIMATELY 150 FEET EAST OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-1) ON WESTBOUND E LIBERTY ST (SR054) LOCATED APPROXIMATELY 200 FEET IN ADVANCE (EAST) OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2C.05 AND 8B.06, TABLES 2C-4 AND 8B-1, AND FIGURE 8B-4. INSTALL A 2-INCH WIDE YELLOW RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.

- (7) INSTALL ONE (1) RXR PAVEMENT MARKING ON WESTBOUND E LIBERTY ST (SR054) LOCATED ADJACENT TO THE W10-1 SIGN APPROXIMATELY 200 FEET IN ADVANCE OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND IN ACCORDANCE WITH MUTCD SECTION 8B.28 AND FIGURE 8B-6.
- (8) REMOVE THE EXISTING STOP AHEAD SIGN (W3-1) LOCATED APPROXIMATELY 350 FEET WEST OF THE CROSSING. INSTALL TWO (2) NEW STOP AHEAD SIGNS (W3-1) ON BOTH SIDES OF EASTBOUND E LIBERTY ST (SR054) LOCATED APPROXIMATELY 50 FEET EAST OF CROSSING AS SPECIFIED BY TDOT STANDARD DRAWING T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2C.05 AND 8B.06; TABLES 2C-2, 2C-4 AND 8B-1, AND FIGURE 8B-4. INSTALL A 2-INCH WIDE YELLOW RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOSTS IN ACCORDANCE WITH MUTCD SECTION 2A.21.
- (9) INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-4) ON NORTHBOUND DEPOT ALLEY LOCATED APPROXIMATELY 100 FEET IN ADVANCE OF ITS INTERSECTION WITH E LIBERTY ST (SR054) AS SPECIFIED BY TDOT STANDARD DRAWING T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2C.05 AND 8B.06, TABLES 2C-4 AND 8B-1, AND FIGURE 8B-4. INSTALL A 2-INCH WIDE YELLOW RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.
- (10) INSTALL ONE (1) NEW STOP SIGN (R1-1) ON DEPOT ALLEY LOCATED APPROXIMATELY 40 FEET IN ADVANCE OF ITS INTERSECTION WITH E LIBERTY ST (SR054) AS SPECIFIED BY TDOT STANDARD DRAWING T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2B.05, 2C.05, AND 3B.16; TABLES 2B-1, 2C-4 AND 8B-1; AND FIGURE 2B-1. INSTALL A 2-INCH WIDE RED RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21. INSTALL A NEW STOP LINE ON DEPOT ALLEY LOCATED APPROXIMATELY 15 FEET FROM THE EDGE OF TRAVEL WAY OF E LIBERTY ST (SR054) AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1.
- (11) INSTALL ONE (1) NEW STOP SIGN (R1-1) ON DEPOT ALLEY LOCATED APPROXIMATELY 40 FEET IN ADVANCE OF ITS INTERSECTION WITH E LIBERTY ST (SR054) AS SPECIFIED BY TDOT STANDARD DRAWING T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2B.05, 2C.05, AND 3B.16; TABLES 2B-1, 2C-4 AND 8B-1; AND FIGURE 2B-1. INSTALL A 2-INCH WIDE RED RETROREFLECTIVE STRIP TO THE FRONT FACE OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21. INSTALL A NEW STOP LINE ON DEPOT ALLEY LOCATED APPROXIMATELY 15 FEET FROM THE EDGE OF TRAVEL WAY OF E LIBERTY ST (SR054) AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	2D

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
NOTES

25-FEB-2025 15:13
\\TDOT04NAS002.tdot.state.tn.us\04Shared\Design\Design\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\2E - Environmental Notes.dgn

ENVIRONMENTAL NOTES

SUBSECTION 1 – ENVIRONMENTAL GENERAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

- (4) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.
- (9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

- (11) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).
- (12) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

PERMITS, PLANS & RECORDS

- (15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

SUBSECTION 2 – ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

- (1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

- (2) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.
- (3) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.
- (4) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

PROJECT COMMITMENTS

- (5) SEE PROJECT COMMITMENTS, SHEET 1B, FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

SCOPE OF WORK

- (6) PROJECT IS LIMITED TO THE FOLLOWING: COLD PLANE AND PAVE 411D TO THE TRAVEL LANES AND PAVED SHOULDERS, SIDE ROADS, DRIVEWAYS, AND FIELD ENTRANCES OF SR-54. PAVEMENT MARKINGS, RAILROAD CROSSING UPGRADES, AND TEMPORARY TRAFFIC CONTROL.

SUBSECTION 3 – EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

DISTURBED AREA

- (1) IF DISTURBED ACREAGE IS EQUAL TO ONE ACRE OR MORE, PLEASE CONTACT TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION AS SOON AS POSSIBLE BECAUSE AN NPDES PERMIT WILL BE REQUIRED.

SEDIMENT CONTROL

- (6) EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- (8) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFFSITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFFSITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE NEGOTIATED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

- (29) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.
- (30) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.
- (31) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- (32) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
- (33) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

- (34) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
- (35) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (38) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (40) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	2E


ENVIRONMENTAL NOTES CONTINUED

SPILL PREVENTION, MANAGEMENT & NOTIFICATION

- (44) ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE AND SPILLS.
- (45) FOR ALL HAZARDOUS MATERIALS STORED ONSITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED. SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- (46) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ONSITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
- (47) ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- (48) THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- (49) IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION SHALL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR SHALL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- (50) FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- (51) IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.
- (52) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.
- (53) CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ONSITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE CONTAINERS WITH A COMBINED CAPACITY OF 1320 GALLONS OR MORE SHALL HAVE SECONDARY CONTAINMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THE BULK STORAGE AND BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ONSITE AND A COPY PROVIDED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO STORING 1320 GALLONS ON SITE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	2E1

SEALED BY



Eric S. Brown

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	2F

RAILROAD ITEMS TABULATED QUANTITIES															
					SIGN POST DELINEATION ENHANCEMENT 713-02.21 (L.F.)			RAILROAD ADVANCE WARNING SIGN AND SUPPORT (W10-1)	TN STATE ROUTE 54 (M1-1)	JUNCTION PLAQUE (M2-1)	STOP AHEAD SIGN (W3-1)	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-4)	STOP SIGN (R1-1)	PLASTIC PAVEMENT MARKING (STOP LINE)	PLASTIC PAVEMENT MARKING (RXR)
ROAD NAME	RAILROAD NUMBERS	L.M.	COORDINATES LAT. LONG.		(YELLOW)	(WHITE)	(RED)	713-16.09 (EACH)	713-16.21 (EACH)	713-16.22 (EACH)	713-16.23 (EACH)	713-16.24 (EACH)	713-16.25 (EACH)	716-02.05 (L.F.)	716-03.02 (EACH)
WOOD STREET (SR054)	#344717L	11.060	36.301900	-88.327450	15	3	3	2	1	1	2	-	1	22	2
DEPOT ALLEY	#344717L	N/A	36.301900	-88.327450	-	-	-	-	-	-	-	1	1	11	-
TOTALS					21			2	1	1	2	1	2	33	2

GUARDRAIL TABULATION													
LOG MILE	SIDE		GUARDRAIL AT BRIDGE ENDS	GUARDRAIL TRANSITION 27 IN TO 31 IN	EARTH PAD FOR GUARD RAIL END TREATMENT	GR TERMINAL (IN-INLINE) MASH TL-3	TANGENT ENERGY ABSORBING TERM MASH-TL-3	GR TERMINAL (ENERGY ABSORBING) MASH TL-2	GUARDRAIL REMOVED	RADIUS RAIL	DRILL BRIDGE PARAPET WALL FOR MICHIGAN END SHOE	REMARKS	
			705-01.01 (L.F.)	705-02.10 (EACH)	705-04.10 (EACH)	705-06.11 (EACH)	705-06.20 (EACH)	705-06.30 (EACH)	706-01 (L.F.)	706-06.03 (L.F.)	706-10.83 EACH		
0.868	X	X	-	2	2	-	-	2	100	-	-		
0.905	X	X	-	2	2	-	-	2	100	-	-		
3.779		X	-	1	-	-	1	-	50	-	-		
3.834	X	X	-	2	-	-	2	-	100	-	-		
6.447	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
6.452	X		-	-	-	1	-	-	-	12.5	1	SEE S-GR28-7M	
6.452		X	27.0	-	1	-	1	-	-	-	1	SEE S-GR28-7M	
8.082	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
8.117	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
9.110	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
9.130	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
9.350	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
9.420	X	X	54.0	-	2	-	2	-	-	-	2	SEE S-GR28-7M	
9.575	X	X	-	2	-	-	2	-	100	-	-		
TOTALS			405	9	19	1	20	4	450	12.5	16		


SIGNS (CONSTRUCTION) 712-06				
QTY	MUTCD	DESCRIPTION	SIZE (IN X IN)	ITEM NO. 712-06 (S.F.)
2	G20-1	ROAD WORK NEXT 10 MI.	48 X 24	16
47	G20-2	END ROAD WORK	48 X 24	376
7	W8-11	UNEVEN LANES	48 X 48	112
47	W20-1	ROAD WORK AHEAD	48 X 48	752
1	W20-1	ROAD WORK 1 MILE	48 X 48	16
2	W20-1	ROAD WORK 1/2 MILE	48 X 48	32
2	W20-1	ROAD WORK 1000'	48 X 48	32
2	W20-7	ADVANCE FLAGGER	48 X 48	32
2	W20-7a	ADVANCE FLAGGER	48 X 48	32
2	W21-2	FRESH OIL	48 X 48	32
7	W8-15	GROOVED PAVEMENT	48 X 48	112
7	W8-15P	MOTORCYCLE (PLAQUE)	30 X 24	35
2	W5-3	ONE LANE BRIDGE	48 X 48	32
TOTAL				1611

THIS CONSTRUCTION SIGNING IS TO BE AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

611-09.04 - CATCHBASIN RETROFIT TABULATION					
L.M.	STREET NAME	LT	RT	GRATE DIMENSION (IN X IN)	REMARKS
0.286	SR-54 NB	X		30 X 30	CURB INLET - RAISE GRATE HEIGHT AND REPLACE GRATE.
0.290	SR-54 NB	X		25 X 25	AREA DRAIN - REPLACE GRATE.
0.293	SR-54 NB		X	25 X 25	AREA DRAIN - REPLACE GRATE - LOCATED ON S. MAPLE ST.
0.347	SR-54 NB		X	30 X 30	REPLACE GRATE
0.385	SR-54 NB		X	24 X 60	REPLACE SINGLE GRATE (24" X 30")
0.562	SR-54 NB	X		25 X 25	REPLACE GRATE, LOCATED ON UNION ST.
0.587	SR-54 NB	X		24 X 60	REPLACE BOTH GRATES (24" X 30")
0.587	SR-54 NB		X	24 X 60	REPLACE SINGLE GRATE (24" X 30")
0.000	SR-54 SB	X		UNKNOWN	REPLACE BOTH GRATES
0.092	SR-54 SB	X		UNKNOWN	REPLACE GRATE
0.138	SR-54 SB	X		24 X 48	REPLACE GRATE
0.174	SR-54 SB	X		26 X 26	REPLACE GRATE - LOCATED ON S. MUNFORD ST.
0.183	SR-54 SB	X		26 X26	REPLACE GRATE - LOCATED ON S. MUNFORD ST.
0.223	SR-54 SB		X	24 X 48	REPLACE GRATE
0.227	SR-54 SB	X		26 X26	REPLACE GRATE

REMOVAL OF SIGNS, POSTS AND FOOTINGS (ITEM 713-15)			
ROAD NAME	RAILROAD ADVANCE WARNING SIGN (W10-1)	ROUTE JUCTION SIGN ASSEMBLY (M1-5)	STOP AHEAD SIGN (W3-1)
E. LIBERTY ST.	2	1	1

SEALED BY



Eric S. Brown
REGISTERED ENGINEER
AGRICULTURE
COMMERCIAL
NO. 120440
STATE OF TENNESSEE
12/26/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

25-FEB-2025 15:13
\\TDOT04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\2F - Tabulated Quantities.dgn

UTILITY NOTES AND UTILITY OWNERS

UTILITY

- (2)

UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3)

THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4)

PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5)

THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

UTILITY OWNERS

ELECTRIC:
COVINGTON ELECTRIC SYSTEM
1469 East Main Street
Covington, TN 38019
CONTACT: Tim Sallee
OFFICE PHONE: 901 476 7104
CELL PHONE:
Email: tsallee@covingtonec.com

GAS/WATER:
FIRST UTILITY DISTRICT
3706 Hwy 59 West
Covington, TN 38019
CONTACT: Douglas Myers
OFFICE PHONE: 901 476 9525
CELL PHONE:
Email: Dmyers2382@aol.com


COMMUNICATIONS
AT&T
3138 Cypress Ridge Dr.
Eads, TN 38028
CONTACT: Daniel Potts
OFFICE PHONE: 901 488 2359
CELL PHONE:
Email: Dp7607@att.com

GAS, WATER, AND SEWER:
COVINGTON PUBLIC WORKS UTILITY DIVISION
200 West Washington Ave.
Covington, TN 38019
CONTACT: David Gray
OFFICE PHONE: 901 476 9531
CELL PHONE: 901 237 8165
Email: dgray@covingtontn.com

COMMUNICATIONS:
COMCAST
2650 Mount Moria Rd.
Memphis, TN 38115
CONTACT: Karen Price
OFFICE PHONE: 901 508 0920
CELL PHONE:
Email: Karen_price@comcast.com

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	3

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY
NOTES AND
UTILITY
OWNERS

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

a.

WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

b.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

c.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

d.

WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.
2.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

a.

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1.

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2.

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

b.

IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

c.

WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
- IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.
3.

DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

a.

THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1.

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2.

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

b.

THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

c.

THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

d.

THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4.

FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1.

IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

a.

WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

2.

IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

a.

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1.

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2.

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

3.

IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

a.

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1.

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2.

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

b.

ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1.

WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.


2.

WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	STP/HSIP-54(52)	4

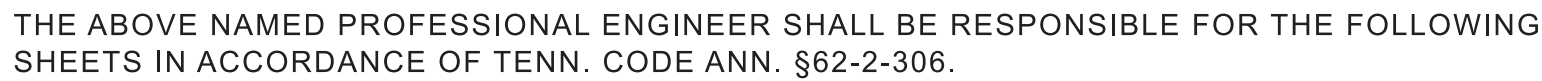
SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE
DROP-OFF NOTES
FOR
TRAFFIC CONTROL

25-FEB-2025 15:13
\\TDOT04NAS002.tdot.state.tn.us\04Shared\Design\DESIGN\RESURF REG4 PROJ\TIPTON\SR 54\L.M. 0.00 - 9.77 (PIN 123948.00)\4 - PAVEMENT DROP-OFF NOTES.dgn



Brian Egli
2024.11.14 14:17:59 -06'00'
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED
AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE
ELECTRONIC DOCUMENTS.

TENNESSEE DEPARTMENT OF TRANSPORTATION
505 DEADERICK STREET, SUITE 1200
NASHVILLE, TN 37243
BRIAN K. EGLI, P.E. NO. 107196

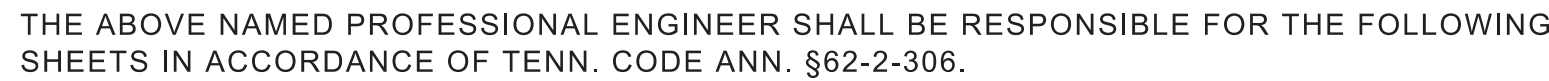
SHEET NAME **SHEET NO.**

SIGNATURE SHEET _____ STRUCTURE-SIGN 3
BRIDGE PLANS _____ B1 THRU B5

[illegible]

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET



Brian Egli
2023.02.10 09:41:20 -06'00'

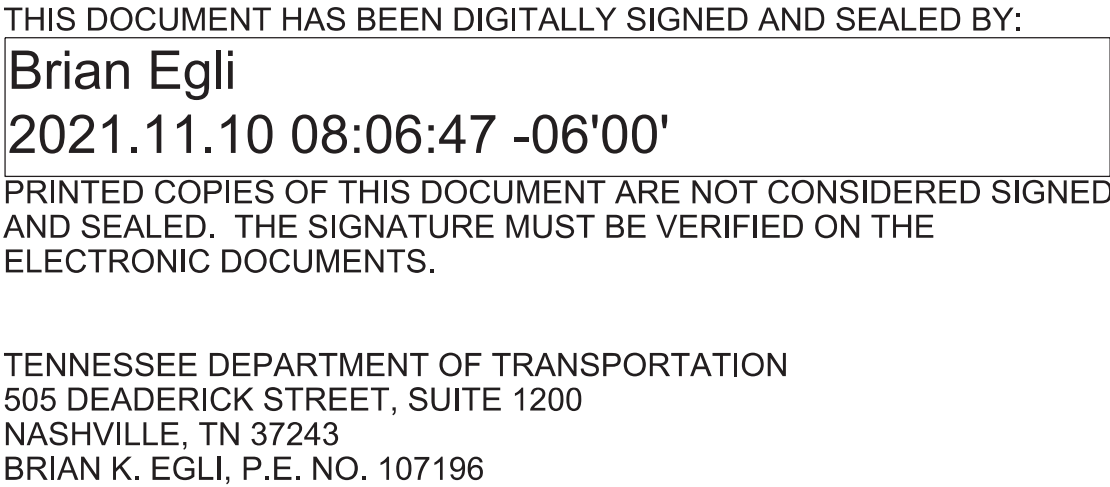
TENNESSEE DEPARTMENT OF TRANSPORTATION
505 DEADERICK STREET, SUITE 1200
NASHVILLE, TN 37243
BRIAN K. EGLI, P.E. NO. 107196



SIGNATURE SHEET _____ STRUCTURE-SIGN 2
BRIDGE PLANS _____ B1 THRU B5

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET



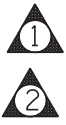
SHEET NAME	SHEET NO.
SIGNATURE SHEET _____	STRUCTURE-SIGN 1
BRIDGE PLANS _____	B1 THRU B5

YEAR	PROJECT NO.	SHEET NO.
2022	84S054-M3-003	STRUCTURE-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

PIN 123948.00



PROJECT NO.		YEAR	SHEET NO.
84S054-M3-003		2025	B1
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2/10/23	ZH	ADDED STRUCTURE-SIGN 2 & REVISION DATES, REVISED TITLE & YEAR
2	11/12/24	ZH	ADDED STRUCTURE-SIGN 3 & REVISION DATES, REVISED TITLE & YEAR

INDEX OF DRAWINGS

DWG. NO.

LAST
REV. DATE



SIGNATURE SHEET	-----	STRUCTURE-SIGN 3
SIGNATURE SHEET	-----	STRUCTURE-SIGN 2
SIGNATURE SHEET	-----	STRUCTURE-SIGN 1
INDEX OF DRAWINGS	-----	B1
BRIDGE TABULATION, ESTIMATED QUANTITIES, AND EXPANSION JOINT REPAIR NOTES	-----	B2
TYPE 1 THIN EPOXY OVERLAY NOTES	-----	B3
PLAN VIEW AND EXPANSION JOINT REPAIR DETAILS (84SR0540005)	-----	B4
PHASE CONSTRUCTION	-----	B5

11-12-2024



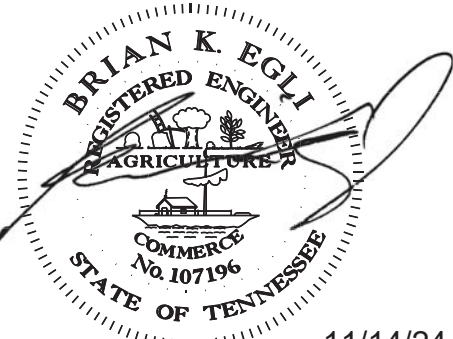
11-12-2024
11-12-2024
11-12-2024
11-12-2024
11-12-2024



INDEX OF REFERENCE DRAWINGS

DWG. NO.

LAYOUT	-----	M-153-142
SUPERSTRUCTURE	-----	M-153-145



11/14/24

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS

84-SR54-3.80

OVER

COAL CREEK

BR. NO. 84SR0540005

TIPTON COUNTY

2025



PIN 123948.00

PROJECT NO.		YEAR	SHEET NO.
84S054-M3-003		2025	B2
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2/10/23	ZH	REVISED TITLE & YEAR
2	11/12/24	ZH	ADDED TRAFFIC CONTROL QUANTITIES REVISED TITLE & YEAR

TABULATION OF BRIDGE RELATED WORK AND ESTIMATED QUANTITIES				
LOCATION OF BRIDGE AND BRIDGE NUMBER	REFERENCE DRAWINGS TO BE PRINTED WITH CONTRACT DRAWINGS	TYPE OF WORK	604-10.44 EXPANSION JOINT REPAIR L.F.	617-04.01 TYPE I THIN EPOXY OVERLAY (EPOXY-URETHANE) S.Y.
84-SR54-3.80 OVER COAL CREEK (84SR0540005)	M-153-142 M-153-145	EXPANSION JOINT REPAIR TYPE I THIN EPOXY OVERLAY (EPOXY-URETHANE)	69	540
TOTAL			69	540

EXPANSION JOINT REPAIR NOTES

THE JOINT OPENING SHALL BE SEALED PER MANUFACTURER RECOMMENDATIONS, WITH A TWO-PART COLD POUR SILICONE SEALANT FROM OPL 5.001, OR A PRECOMPRESSED FOAM WITH SILICONE TOPPED PRODUCT (SIMILAR TO AND INCLUDING BEJS) FROM OPL 7.001 WITH AN APPROPRIATELY SIZED SEAL FOR THE JOINT OPENING. THE JOINT SEAL SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF AN AUTHORIZED TECHNICIAN PROVIDED BY THE SYSTEM MANUFACTURER. THE TECHNICIAN MUST APPROVE ALL ASPECTS OF THE GEOMETRY AND PREPARATION OF THE JOINT LOCATIONS PRIOR TO ANY INSTALLATION OF THE JOINT SEAL MATERIALS. PRODUCTS FROM OPL 7.001 "ON A ROLL" AND "COMPRESSION ONLY" WILL NOT BE ALLOWED. THE TOP OF THE JOINT FILLER SHALL BE A MINIMUM OF 3/4 OF AN INCH BELOW THE ROADWAY SURFACE UNLESS THE MANUFACTURER REQUIRES A DEEPER DEPTH.

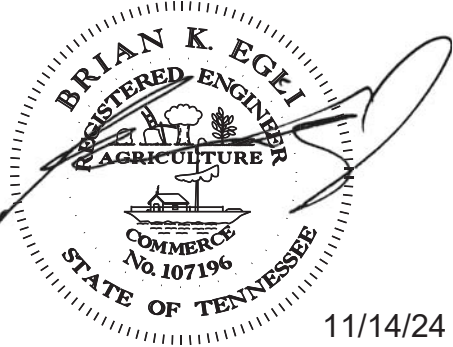
MANUFACTURERS SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO THE JOINT REPLACEMENT/REPAIR WORK. THE MANUFACTURER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORKMANSHIP OF THE JOINT INSTALLATION.

PRIOR TO THE INSTALLATION OF THE NEW JOINT SEALANT, THE EXISTING JOINT OPENING SHALL BE CLEANED OF ALL DIRT, DEBRIS, AND PRIOR CONSTRUCTION MATERIAL, ETC., THE FULL DEPTH OF THE OPENING. THE SURFACES WHERE THE NEW MATERIAL BONDS TO STAY IN PLACE SHALL BE CLEANED PER MANUFACTURERS RECOMMENDATION, REMOVING ANY SUBSTANCES THAT WOULD INHIBIT BONDING.

THE COST FOR REMOVING THE EXISTING FILLER, INSTALLING THE NEW JOINT SEAL, LABOR, AND ANY MISCELLANEOUS MATERIALS NECESSARY TO INSTALL THE NEW EXPANSION JOINT SEAL, IS TO BE INCLUDED UNDER ITEM NUMBER 604-10.44, EXPANSION JOINT REPAIRS, L.F.

TABULATED TRAFFIC CONTROL QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
712-06	SIGNS (CONSTRUCTION)	S.F.	144
712-04.01	FLEXIBLE DRUMS	EACH	25

CONSTRUCTION SIGNS					
DESCRIPTION	QTY	SIZE (IN X IN)	SIGN I.D. NO.	SF	UNIT
RIGHT REVERSE CURVE	1	48 X 48	W1-4AR	16	S.F.
ONE LANE BRIDGE	2	48 X 48	W5-3	32	S.F.
ROAD WORK 1500FT	2	48 X 48	W20-1	32	S.F.
ONE LANE ROAD 500FT	2	48 X 48	W20-4	32	S.F.
ONE LANE ROAD 1000FT	2	48 X 48	W20-4	32	S.F.
ITEM 712-06 SIGNS (CONSTRUCTION)				144.0	S.F.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE TABULATION,
ESTIMATED QUANTITIES, AND
EXPANSION JOINT REPAIR NOTES
84-SR54-3.80
OVER
COAL CREEK
BR. NO. 84SR0540005
TIPTON COUNTY
2025

DESIGNED BY _____ DATE _____
DRAWN BY _____ DATE _____
SUPERVISED BY _____ DATE _____
CHECKED BY _____ DATE _____

THE CONTRACTOR IS TO PREVENT THE TRACKING OF TACKCOAT AND CONSTRUCTION
DEBRIS ACROSS THE BRIDGE DECK PRIOR TO APPLICATION OF THE THIN EPOXY OVERLAY.
MILLING THE BRIDGE DECK WILL NOT BE AN OPTION FOR TACKCOAT OR DEBRIS REMOVAL.
REMOVAL SHALL BE AT THE CONTRACTOR'S EXPENSE.

TYPE 1 THIN EPOXY OVERLAY SYSTEM - USE DECK PRETREATMENT/PRIMER PER MANUFACTURER'S RECOMMENDATION, AND 2 LIFTS OF AN EPOXY-URETHANE COPOLYMER AND AGGREGATE. TYPE 1 OVERLAY SHALL BE APPLIED MECHANICALLY USING METEDED EQUIPMENT. HAND MIXING OF MATERIAL IS NOT PERMITTED. THIN OVERLAY SYSTEM SHALL BE FROM THE QUALIFIED PRODUCTS LIST 23.005. TYPE 1 THIN OVERLAY (EPOXY URETHANE). MINIMUM OVERLAY THICKNESS SHALL BE 3/8" INCH.

A) BE CAPABLE OF METERING, MIXING AND DISTRIBUTING THE POLYMER AND PRETREATMENT TO MANUFACTURER'S RECOMMENDATION.

C) STORE COMPONENTS IN TEMPERATURE CONTROLLED RESERVOIRS CAPABLE OF MAINTAINING 100 DEGREES FAHRENHEIT (PLUS OR MINUS 10 DEGREES) TO INSURE OPTIMAL MIXING.

E) USE MOTIONLESS IN-LINE MIXING SO AS TO NOT OVERLY SHEAR THE MATERIAL TO ENTRAP AIR IN THE MIX.

AGGREGATE SHALL BE ANGULAR, HAVING LESS THAN 0.2% MOISTURE AND FREE OF DIRT, CLAY, ASPHALT AND OTHER FOREIGN OR ORGANIC MATERIALS. AGGREGATE FOR ALL LAYERS SHALL BE BAUXITE OR FLINT ROCK PRODUCTS FLINT AND MEETS THE FOLLOWING GRADATION:

FULL AND PARTIAL DEPTH DECK REPAIR SHALL CURE A MINIMUM OF 28 DAYS BEFORE THE OVERLAY IS PLACED. THE 28 DAYS MAY BE WAIVED IF THE OVERLAY MANUFACTURER PROVIDES A METHOD OF TESTING THE REPAIRED AREAS AND APPROVES THE PLACEMENT BY LETTER. TRAFFIC SHALL BE ALLOWED TO USE THE BRIDGE DURING THE CURING PERIOD OF THE PATCHES BUT NOT AFTER SHOTBLASTING. MAGNESIUM PHOSPHATE BASED MATERIALS WILL NOT BE ALLOWED.

ALL SURFACES THAT ARE TREATED SHALL BE DRY AT THE TIME OF APPLICATION. THE OVERLAY SHALL NOT BE APPLIED WHEN IT HAS RAINED 24 HOURS PRIOR TO, OR RAIN IS FORECAST WITHIN 8 HOURS AFTER, APPLICATION. THE MOISTURE CONTENT IN THE DECK SUBSTRATE SHALL BE TESTED. MOISTURE IS NOT TO EXCEED 4.5 PERCENT WHEN MEASURED BY ELECTRONIC METER. IF THE TEST SHOWS EXCESS MOISTURE, THE DECK SHALL CONTINUE TO DRY BEFORE APPLICATION PROCEEDS.

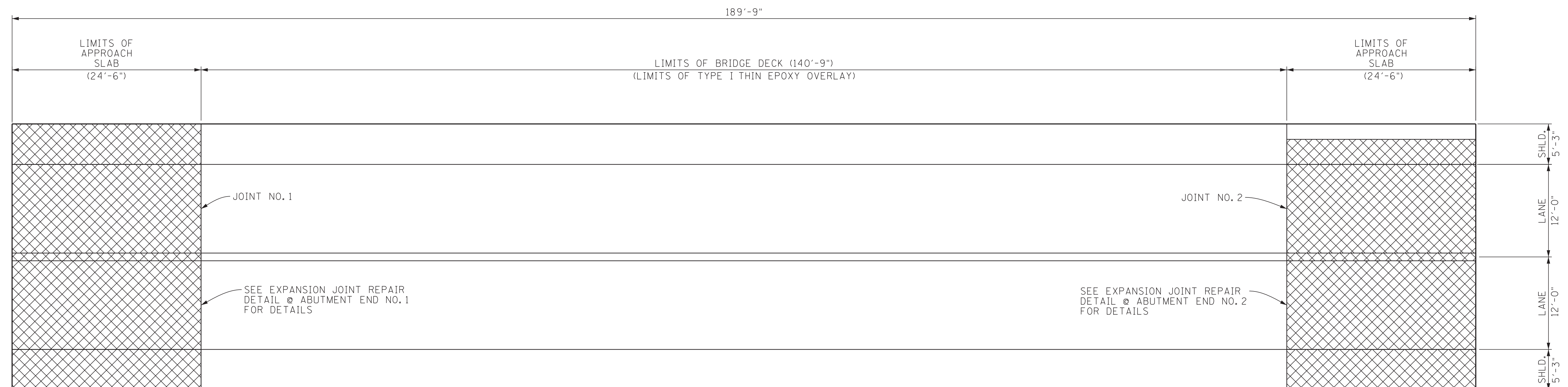
TRAFFIC, OTHER THAN APPLICATION EQUIPMENT, SHALL NOT BE ALLOWED ON ANY PORTION OF THE DECK THAT HAS BEEN SHOTBLASTED OR WHERE PART OF THE APPLICATION HAS BEEN PLACED.

THE MANUFACTURER SHALL HAVE A REPRESENTATIVE ON THE JOB SITE AT ALL TIMES DURING APPLICATION AND CURE TIME. THE REPRESENTATIVE WITH THE ENGINEER, MAY SUSPEND AN ITEM OF WORK THAT IS SUSPECT AND DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS. WORK SHALL NOT RESUME UNTIL THE ENGINEER AND REPRESENTATIVE ARE SATISFIED THAT APPROPRIATE REMEDIAL ACTION HAS BEEN TAKEN BY THE CONTRACTOR.

THICKNESS VERIFICATION: THE PROJECT ENGINEER SHALL BE NOTIFIED OF THE NUMBER OF GALLONS USED ON THE PROJECT WITH NOTARIZED QUANTITY STATEMENTS FROM THE CONTRACTOR AND THE MANUFACTURER. THE CONTRACTOR SHALL VERIFY TO TDOT THAT THE OVERLAY IS AN AVERAGE OF AT LEAST 3/8 INCH THICK AT THREE RANDOM LOCATIONS AGREED UPON BY THE PROJECT ENGINEER AND THE MATERIAL MANUFACTURER REPRESENTATIVE. IF 3/8 INCH AVERAGE IS NOT ACHIEVED, A RETEST SHALL BE PERFORMED IN ADJOINING AREAS. THIN AREAS SHALL BE RE-COATED AS DESCRIBED ABOVE BY THE CONTRACTOR AND RE-VERIFIED AT NO ADDITIONAL COST TO TDOT. THIS VERIFICATION SHALL CONSIST OF CORES MADE BY THE CONTRACTOR WITH A CORING BIT NOT LESS THAN 1½" DIAMETER. THE TESTED AREAS SHALL BE REPAIRED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE BY THE PROJECT ENGINEER.

11/14/24

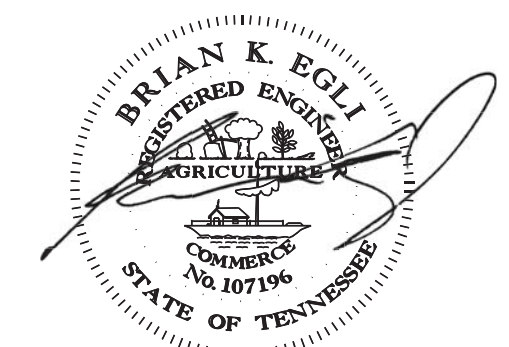
2

[illegible]

BRIDGE ID. NO. 84SR0540005



DESIGNED BY _____ DATE _____
 DRAWN BY Z.HAYNES DATE 11/21
 SUPERVISED BY K. MARTINKO DATE 11/21
 CHECKED BY _____ DATE _____



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PLAN VIEW AND EXPANSION JOINT REPAIR DETAILS

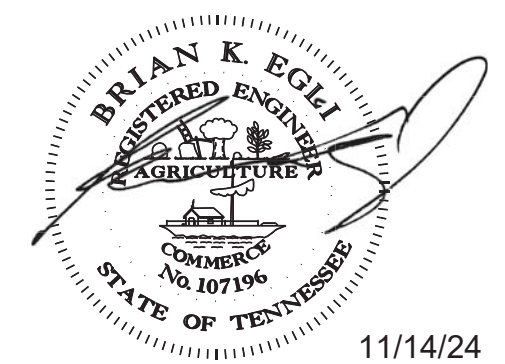
84-SR54-3.80

OVER
COAL CREEK
BR. NO. 84SR0540005
TIPTON COUNTY
2025

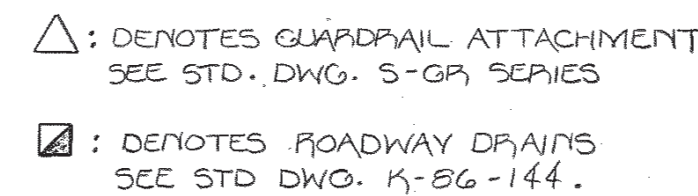


EASTBOUND BRIDGE
(84-SR54-3,80)

PHASE I CONSTRUCTION
(LOOKING AHEAD ON SURVEY)



DESIGNED BY _____ DATE _____
 DRAWN BY Z.HAYNES DATE 11/21
 SUPERVISED BY K. MARTINKO DATE 11/21
 CHECKED BY _____ DATE _____

[illegible]

2003 ADT = 2640
36'-0" ROADWAY WITH M-28-1 FARIAPET

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

CORRECT Clifton L. Foveall
ENGINEER OF STRUCTURES

APPROVED Lewis Evans
DIRECTOR OF HIGHWAYS

M-153-142

CLASS "A" GRADING "D" = 8.8 C.Y.

DESIGNED BY DAVID SELLERS DATE 11-84
DRAWN BY VICKY FORREST DATE 12-84
SUPERVISED BY B.L.H. : M.A.H DATE 12-84
CHECKED BY D.SELLERS DATE 12-84

[illegible]