

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Anthony Lee Washington III 2025.01.21 13:11:32-06'00'

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

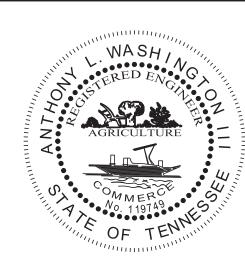
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NO. SHEET NAME SIGNATURE SHEETROADWAY-SIGN1 TITLE SHEET ROADWAY INDEX, STANDARD ROADWAY DRAWINGS AND STANDARD TRAFFIC DESIGN DRAWINGS . ESTIMATED ROADWAY QUANTITIES TYPICAL SECTIONS AND PAVEMENT SCHEDULE GENERAL NOTES..... ...2C, 2C1 SPECIAL NOTES...... ...2D, 2D1 ENVIRONMENTAL NOTES..... TABULATED QUANTITIES2F, 2F1 – 2F5 RAILROAD SIGNING DETAILS ...

YEAR	PROJECT NO.	SHEET NO.			
2025	STP/HSIP-47(12)	ROADWAY-SIGN 1			

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Anthony Lee Washington III 2025.01.30 14:25:41-06'00'

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HDR ENGINEERING 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.

YEAR	PROJECT NO.	SHEET NO.	
2025	STP/HSIP-47(12)	ROADWAY-SIGN 2	

REV. 01-30-25: ADDED SHEET.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET DICKSON CO. SR-96

PIN 131253.00

22S047-F3-002

22S047-F8-002

L.M. 8.57

L.M. 1.87

L.M. 1.85

L.M. 10.19

END PROJECT NO. STP/HSIP-47(12) RESURFACE & SAFETY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING PROJECT TO BE LET WITH:

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

	TENN.	YEAR	SHEET NO.	
$\frac{1}{2}$	I CININ.	2025	1	
-	FED. AID PROJ. NO.	P-47(12)		
	STATE PROJ. NO. 22S047-F3-002			
	STATE PROJ. NO.	22S047-F8-002		

REV. 01/30/25: ADDED LETTING BUNDLE NOTE.

DICKSON COUNTY

STATE ROUTE 47

FROM SR-46 (L.M. 0.00) TO SR-1 (US-70) (L.M. 10.19)

RESURFACE & SAFETY MILL, 411D, GUARDRAIL AND PAVEMENT MARKING

STATE HIGHWAY NO. 47 F.A.H.S. NO. N/A

PROJECT LOCATION BRIDGE ID. # 22SR0470001

NO EXCLUSIONS

CSX OVERHEAD CROSSING #348072T CSXT M.P. 00N 0032.570 SCTR AT-GRADE CROSSING #351029R SCTR M.P. NA 0002.500 SCTR AT-GRADE CROSSING #351030K SCTR M.P. NA 0002.500 MONTGOMERY BELL STATE PARK 22S047-F3-002 22S047-F8-002 BEGIN PROJECT NO. STP/HSIP-47(12) RESURFACE & SAFETY

SCALE: 1"= 1 MILE

PROJECT LENGTH

TOTAL LANE MILES RESURFACED

10.19 MILES

21.16 MILES

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.

CHECKED BY DAVID HORNE, P.E.

TDOT PROJECT MANAGER: KONNER SPRADLIN, P.E.

DESIGNED BY: HDR ENGINEERING, INC.

DESIGNER: ANTHONY L. WASHINGTON, III, P.E.

PIN NO.

L.M. 0.00

98034-4299-04 (DESIGN)

TRAFFIC COUNTER AND WEATHER STATIONS STATION LOG MILE TCS124 0.375

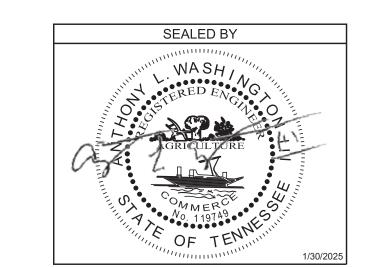
4.635

9.476

TCS94

TCS52

TRAFFIC DATA	
110 (1110 2) (1) (
ADT (2025)	4667
POSTED SPEED LM 0.00 - 4.51	30 MPH
POSTED SPEED LM 4.51 - 5.99	40 MPH
POSTED SPEED LM 5.99 - 9.79	50 MPH
POSTED SPEED LM 9.79 - 10.19	30 MPH



U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED: DATE DIVISION ADMINISTRATOR

ROADWAY INDEX

NO UTILITY SHEETS IN THIS SET OF PLANS

STANDARD ROADWAY DRAWINGS

T-M-2

T-M-3

T-M-4

T-M-16

T-WZ-10

T-WZ-40

T-WZ-41

T-WZ-FAB1

01-09-24

07-30-24

04-02-12

03-05-17

ROADS

FREEWAYS

INTERSECTIONS

STANDARD TRAFFIC DESIGN DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-47(12)	1A

REV. 01-30-25: ADDED ROADWAY-SIGN 2 TO INDEX.

SHEET NAME	SHEET NO.	DWG.	REV.	DESCRIPTION	DWG.	REV.	DESCRIPTION
SIGNATURE SHEET	ROADWAY-SIGN1	STANDAF	RD ROADV	VAY TITLE SHEET, ABBREVIATIONS, AND	SIGN		
SIGNATURE SHEET	ROADWAY-SIGN2	LEGENDS	8		T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT
TITLE SHEET	1	RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L			DETAILS
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND		RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z	T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
STANDARD TRAFFIC DESIGN DRAWINGS	1A	RD-L-1	02-20-20	STANDARD LEGEND	SIGNALS		
ESTIMATED ROADWAY QUANTITIES	2	RD-L-1A		STANDARD LEGEND			
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2A	SAFETY [DESIGN AN	ND GUARDRAILS	T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
GENERAL NOTES	2B	S-GR31-1	06-15-21	GUARDRAIL DETAILS	T-SG-3	07-11-17	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
SPECIAL NOTES		S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS	RAILROA	D CROSSII	NG
	,		00-20-19		T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD ACTIVE
ENVIRONMENTAL NOTES	2D, 2D1	S-GR31-1B		GUARDRAIL FASTENING HARDWARE			HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
TABULATED QUANTITIES	2E	S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS			ABVAINGE WAINING GIGIN
RAILROAD SIGNING DETAILS	2F, 2F1 – 2F5	S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL	T-RR-3	11-01-11	STANDARD DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL
		S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL	T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD
NOTE: THE ALPHABETICAL LETTERS "I", "O", & "Q" ARE NOT INUMBERING OF SHEETS	JSED IN THE	DESIGN -	TRAFFIC	CONTROL			HIGHWAY GRADE CROSSINGS
NO PROJECT COMMITMENTS SHEETS INCLUDED IN T	HIS SET OF PLANS	T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS			
NO LITH ITY SHEETS IN THIS SET OF PLANS							

DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL

MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED

STANDARD INTERSECTION PAVEMENT MARKINGS

ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND

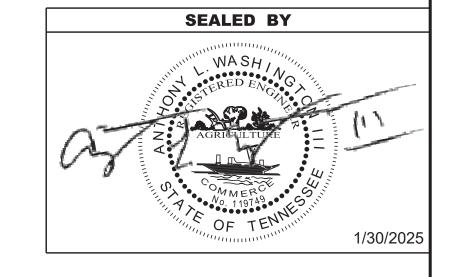
RUMBLE STRIPE INSTALLATION LAYOUT

RIGHT LANE CLOSURES AT NEAR SIDE OF

FLASHING YELLOW ARROW BOARD

SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS

LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS



STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

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

ı	TEM NO.	DESCRIPTION	UNIT	QUANTITY 22S047-F8-002	QUANTITY 22047-F3-002	TOTAL
(1) 20	08-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	19.8		19.8
(2) 3	03-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	2631		2631
(3) 3	07-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	300		300
4) 4	03-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	72		72
5) 4	11-01.10	ACS MIX(PG64-22) GRADING D	TON	10981		10981
4	11-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	19.9		19.9
4	15-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	10509		10509
70	05-02.10	GUARDRAIL TRANSITION 27IN TO 31IN	EACH		3	3
70	05-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH		3	3
70	06-01	GUARDRAIL REMOVED	L.F.		225	225
7	12-01	TRAFFIC CONTROL	LS	0.5		0.5
7	12-06	SIGNS (CONSTRUCTION)	S.F.	2487		2487
7	13-02.21	SIGN POST DELINEATION ENHANCEMENT	L.F.	48		48
7	13-15.36	REMOVE SIGN, SUPPORT & FOOTING	EACH	7		7
) 7	13-16.05	RAILROAD CROSS-BUCK SIGN & SUPPORT	EACH	2		2
7	13-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	3		3
7	13-16.23	SIGNS (STOP HERE WHEN FLASHING SIGN, R8-10a)	EACH	1		1
7	13-16.25	SIGNS (GRADE CROSSING ADVANCE WARNING SIGN, W10-3)	EACH	2		2
7	13-16.26	SIGNS (GRADE CROSSING ADVANCE WARNING SIGN, W10-4)	EACH	1		1
7	16-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	716		716
7	16-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	31		31
7	16-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	747		747
7	16-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	146		146
	16-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	234		234
	16-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	4		4
	16-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	212		212
7	16-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	104		104
7	16-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.1		0.1
7	16-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	3		3
7	16-03.03	PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	3		3
	16-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	2		2
	16-04.02	PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	2		2
	16-04.14	PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)	EACH	-	2	2
_	16-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	40.6		40.6
	16-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	40.6		40.6
′ ⊢	17-01	MOBILIZATION	LS	0.5		0.5
	30-14.02	SAW SLOT	L.F.	401		401
′ ⊢	30-14.03	LOOP WIRE	L.F.	902		902
\vdash						-
ı			1		I	1

	TYPE	YEAR	PROJECT NO
FOOTNOTES	RESURF	2025	STP/HSIP-47(12
TO BE USED AS DIRECTED BY THE ENGINEER. NO DIRT OR DEBRIS TO BE LEFT ON SHOULDER.			
TO BE USED AS DIRECTED BY THE ENGINEER. TO BE USED AS DIRECTED BY ENGINEER FOR SPOR REPAIR.	REV. 01-30-25 717-01.	: REVISE	D QUANTITIES FOR 7
INCLUDES 3 TONS FOR DRIVEWAYS, FIELD ENTRANCES, COUNTY AND CITY STREETS, AND BUSINESS ENTRANCES.			
INCLUDES 372 TONS FOR DRIVEWAYS, FIELD ENTRANCES, COUNTY AND CITY STREETS, AND BUSINESS ENTRANCES.			
INCLUDES 340 TONS FOR DRIVEWAYS, FIELD ENTRANCES, COUNTY AND CITY STREETS, AND BUSINESS			

ENTRANCES.

712-06 SIGNS (CONSTRUCTION)

SPECIFIC LOCATIONS.

FOR SIGN INSTALLATION COMPLETE IN PLACE.

(15) ITEM TO BE USED FOR FINAL PAVEMENT MARKING ONLY

INCLUDES STOP LINES AT RAILROAD APPROACHES.

ITEM TO BE USED FOR TEMPORARY PAVEMENT MARKING ONLY.

SEE PROPOSED GUARDRAIL (RESURFACING) ON SHEET 2E.

THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS

THE CONTRACTOR IS RESPONSIBLE FOR THE STAKING OF CONSTRUCTION SIGNS. IN THE

CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO.

THIS ITEM WILL INCLUDE RE-INSTALLING 2 ENS (I-15) SIGNS ON THE NEW POSTS.

(10) INCLUDES 36 L.F. OF YELLOW SHEETING, AND 12 L.F. OF WHITE SHEETING.

FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND 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

(11) SEE RAILROAD SIGNING DETAIL RECOMMENDATION SHEETS 2F, 2F1 -2F5 FOR REMOVAL LOCATIONS.

(12) THIS ITEM WILL INCLUDE INSTALLING TWO (2) RAILROAD CROSS-BUCK SIGNS (R15-1) AND SUPPORT,

THE FURNISHING AND INSTALLING OF THE SIGN, SUPPORT AND HARDWARE. SEE RAILROAD

THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC.

(13) THIS ITEM WILL INCLUDE INSTALLING GRADE CROSSING ADVANCE WARNING SIGN (W10-1), AND

SIGNING DETAIL RECOMMENDATION SHEETS 2F, 2F1 - 2F5 FOR SPECIFIC LOCATIONS.

(14) SEE RAILROAD SIGNING DETAIL RECOMMENDATION SHEETS 2F, 2F1 - 2F5 FOR SPECIFIC SIGN

(17) ALL STOP BARS ON SIDE STREETS WILL BE RETRACED AS DIRECTED BY THE ENGINEER.

SEE RAILROAD SIGNING DETAIL RECOMMENDATION SHEETS 2F, 2F1 - 2F5 FOR

YIELD SIGN (R1-2) AND THE FURNISHING AND INSTALLING OF THE SIGNS, SUPPORT AND HARDWARE.

SEE RAILROAD SIGNING DETAIL RECOMMENDATION SHEETS 2F, 2F1 - 2F5 FOR SPECIFIC LOCATIONS.

RELOCATIONS. INCLUDES THE SIGN, SUPPORT, FOOTING AND ANY ADDITIONAL MATERIALS REQUIRED

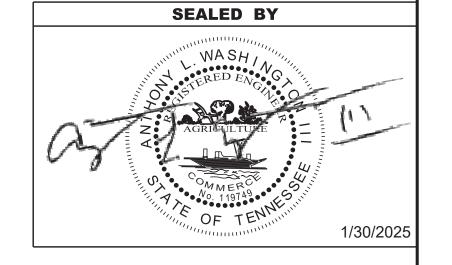
PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

TO BE USED FOR TRAFFIC SIGNAL AT THE SR-47 & SR-46 INTERSECTION, LOCATED AT L.M. 0.00.

A SIGN COVERING APPROVED BY THE ENGINEER. TEMPORARY SIGN COVERINGS SHALL NOT BE

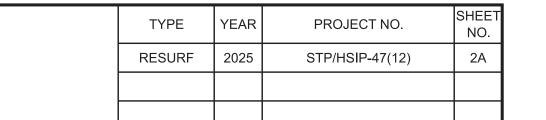
	TYPE	YEAR	PROJECT NO.	SHEET NO.
	RESURF	2025	STP/HSIP-47(12)	2
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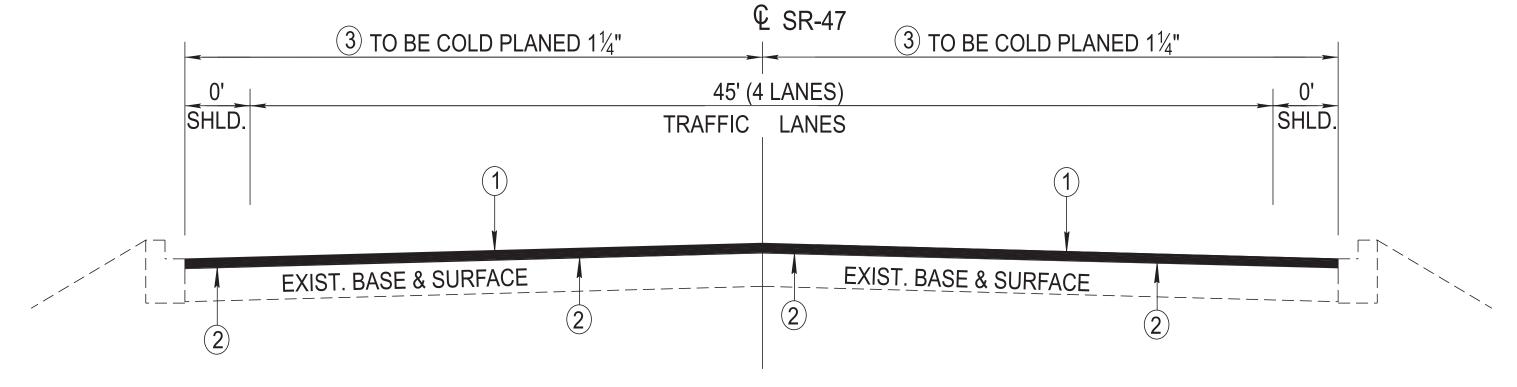
R 712-01 AND



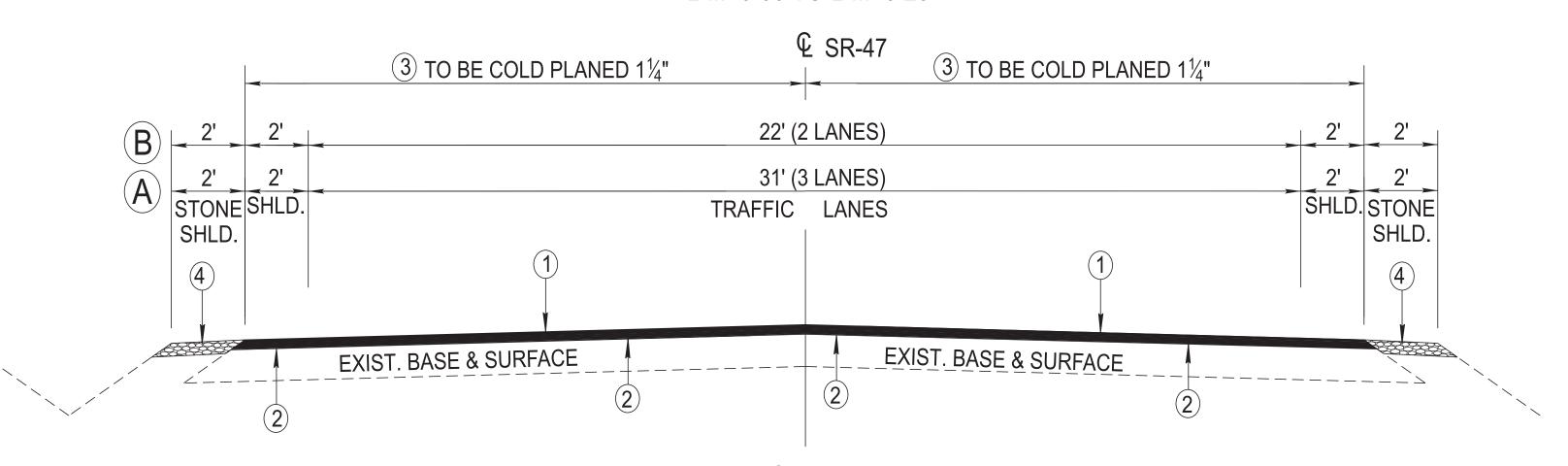
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

> **ESTIMATED** ROADWAY QUANTITIES





SR 47 TYPICAL SECTION L.M. 0.00 TO L.M. 0.25

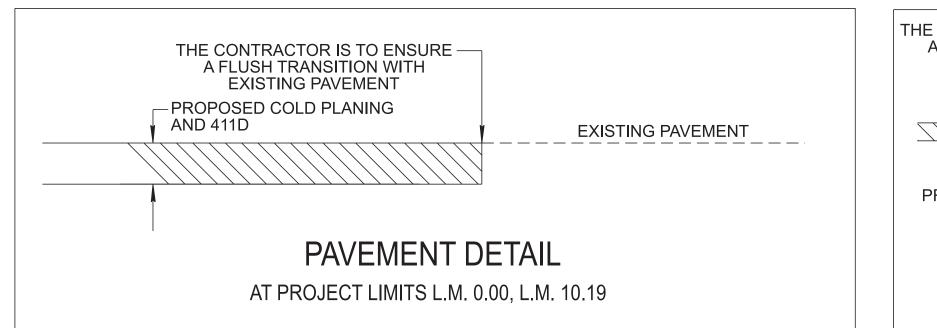


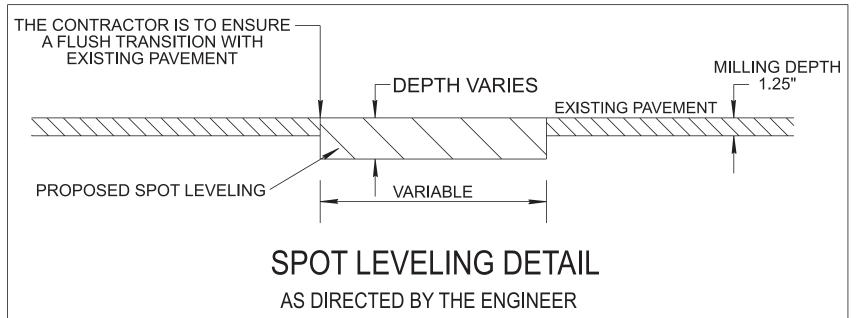
SR 47
TYPICAL SECTION

A L.M. 0.25 TO L.M. 0.53

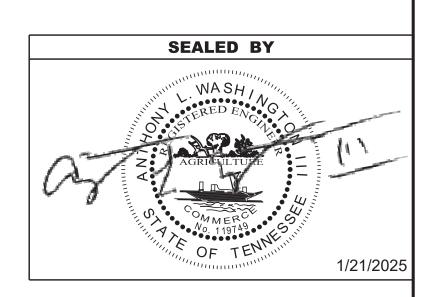
B L.M. 0.53 TO L.M. 10.19

BRIDGE DECK RECOMMENDATIONS (RESURFACING)								
BRIDGE LOCATION CROSSES BRIDGE BRIDGE DECK								
NUMBER	LOG MILE	OVER/UNDER	LENGTH	RECOMMENDATIONS				
22SR0470001	8.570	CSX RAILROAD		TO MAINTAIN MINIMUM VERTICAL CLEARANCE OF THE UNDERPASS, COLD PLANE TO MATCH THE THICKNESS OF TREATMENT				





	PROPOSED PAVEMENT SCHEDULE
1	ASPHALTIC CONCRETE SURFACE (HM) $1\frac{1}{4}$ " TH. (APPROX. 132.5 LBS/SY) ITEM NO. 411-01.10 ACS MIX (PG64-22) GRADING D
2	TACK COAT (TC) ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE D.G. 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD.
3	COLD PLANING 1½" TH. (APPROX. 131.3 LBS/SY) ITEM NO. 415-01.01 COLD PLANING BITUMINOUS PAVEMENT
4	MINERAL AGGREGATE BASE (SHOULDERS) 2" TH. ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D



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

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

- 6) 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

PAVING

(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 I INF
- (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

(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.

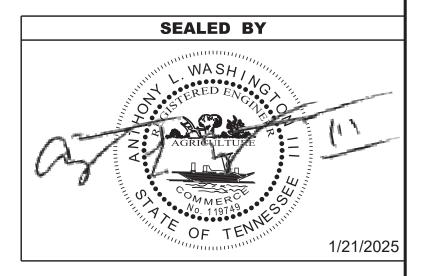
SIGNALIZATION

- (11) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANING ACTIVITY AT SIGNALIZED INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.
- (12) THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR SUPPLYING THE CONTRACTOR WITH AS BUILT SIGNAL PLANS AT THE PRE-CONSTRUCTION CONFERENCE. THESE PLANS WILL PROVIDE THE CONTRACTOR WITH THE DESIRED LOCATION FOR DETECTOR LOOP REPLACEMENT.
- (14) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

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.
- 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-47(12)	2B



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SPECIAL NOTES

MISCELLANEOUS

- (1) THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND EXISTING GUARDRAIL, HIGHWAY SIGNS, OR ANY DEPARTMENT OF TRANSPORTATION STRUCTURE TO AVOID DAMAGE DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE WILL BE REPLACED OR REPAIRED AT HIS OWN EXPENSE.
- (2) ALL SIGNING AND PAVEMENT MARKINGS ARE TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIGORM TRAFFIC CONTROL DEVICES

PAVEMENT MARKINGS

(2) THE CONTRACTOR IS TO PROVIDE THE LAYOUT OF ALL EXISTING PAVEMENT MARKINGS BEFORE BEGINNING THE RESURFACING PROJECT. EXISTING MARKINGS SHALL BE REFERENCED AS NEEDED TO ENSURE THAT ALL NEW MARKINGS ARE REPLACED IN THEIRE CORRESPONDING LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

PAVEMENT

PAVING

4) SURFACE TO BE CROWNED AS DIRECTED BY THE ENGINEER.

RESURFACING

- (5) DURING COLD PLANING OPERATION, A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION WILL REMAIN OPEN.
- (6) AFTER ANY COLD PLANING OPERATION, TEMPORARY STRIPING WILL BE REQUIRED BEFORE RETURNING ANY TRAFFIC ONTO EXCAVATED ROADWAY.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) ANY WORK REQUIRING LANE CLOSURES INCLUDING PAVEMENT MARKING OPERATIONS SHALL BE DONE AT NON-PEAK HOURS (9:00 A.M. TO 3:00 P.M. OR 7:00 P.M. TO 6:00 A.M.) UNLESS OTHERWISE DIRECTED BY THE TDOT OPERATIONS DISTRICT ENGINEER.
- (2) THE CONSTRUCTION SIGNS, FLAGMEN AND OTHER TRAFFIC CONTROL DEVICES WILL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (3) ONE ADVANCE ROAD CONSTRUCTION AHEAD SIGN IS TO BE PLACED IN ALL LOCAL SIDE ROADS PRIOR TO THEIR INTERSECTION WITH THE PROPOSED PROJECT. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OR CONTRACTORS' SUPERINTENDENT.

WORK RESTRICTIONS

(1) CONSTRUCTION ACTIVITIES SHALL NOT INTERFERE WITH SCHOOL OR WORK TRAFFIC EITHER AM OR PM OR AS DIRECTED BY THE ENGINEER.

UTILITIES

- (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 CONSTRUCION.

- (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 SPECIFICATION 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 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.

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

UTILITY OWNERS

CABLE:

COMCAST

660 MAINSTREAM DRIVE

NASHVILLE, TN 37228

CONTACT: MICHAEL LEE

OFFICE PHONE:

Email: NAS-

CELL PHONE: 615 504 0528

NASHVILLECONSTRUCTIONBETTERME

NTS@COMCAST.COM

AT&T

PHONE:

116 S. CANNON AVE.

MURFREESBORO, TN 37129

CONTACT: KENNETH LEE KORNEGAY

OFFICE PHONE: 615 848 2082 CELL PHONE: 615 631 7221

Email: KK4096@ATT.COM

GAS:

BP PIPELINES

30 SOUTH WACKER DRIVE

CHICAGO, IL 60606

CONTACT: KEITH BOYLE

OFFICE PHONE: 312 809 4708 CELL PHONE: 312 358 0711

Email: KEITH.BOYLE@BP.COM BPPIPELINESROW@BP.COM

GREATER DICKSON GAS AUTHORITY

605 EAST WALNUT STREET

DICKSON, TN 37055

CONTACT: MARK O'NEAL

OFFICE PHONE: 615 441 2830

CELL PHONE:

Email: MONEAL@GDGA.COM

CONTACT: JERRY MASSIE

OFFICE PHONE: 615 441 2848

CELL PHONE: 615 878 1027 Email: JMASSIE@GDGA.COM ELECTRIC:

DICKSON ELECTRIC SYSTEM

236 COWAN RD.

DICKSON, TN 37055

CONTACT: MIKE BILLINGSBY

OFFICE PHONE: 615 441 6301

CELL PHONE: 615 210 9137

Email: MBILLINGSBY@DICKSONELE

CTRIC.COM

WATER AND SEWER:

WATER AUTHORITY OF DICKSON COUNTY

101 COWAN ROAD

DICKSON, TN 37055

CONTACT: MICHAEL ROGERS

OFFICE PHONE: 615 441 5403

CELL PHONE:

Email: MROGERS@WADC.US

GAS:

KINDER MORGAN

1925 OLD BLOOMINGTON ROAD NORTH

VICTORIA, TX 77905

CONTACT: LORI LAWRENCE

OFFICE PHONE: 361 489 3962

ORGAN.COM

Email: LORI LAWRENCE@KINDERM

CELL PHONE: 361 484 0320

FIBER OPTIC:

COGENT COMMUNICATIONS
(FORMERLY SPRINT-T-MOBILE

COMMUNICATIONS)
1594 HIGHWAY 73

MARIANNA, FL 32448

CONTACT: CLIFTON NEAL

OFFICE PHONE: 800 521 0579

CELL PHONE: 850 696 5972 Email: CNEL@COGENTCO.COM

SEALED BY

YEAR

PROJECT NO.

STP/HSIP-47(12)

NO.

TYPE

RESURF



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

SPECIAL NOTES (CONT.)

CSXT RAILROAD COMPANY RAILROAD CROSSING NOTES

- (1) ALL WORK ON, OVER, UNDER, OR ADJACENT TO CSXT RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH CSXT SPECIAL PROVISIONS, LOCATED WITHIN THE CSXT PUBLIC PROJECT INFORMATION MANUAL AT THE FOLLOWING LINK:

 HTTPS://WWW.CSX.COM/INDEX.CFM/LIBRARY/FILES/ABOUT-US/PROPERTY/PUBLIC-PROJECT-MANUAL/.
- (2) ALL WORK IN THE FRA RED ZONE (WITHIN 4 FEET FROM OUTSIDE OF THE RAIL ON EACH SIDE OF THE TRACK) WILL BE DONE ONLY WITH A CSXT, FRA QUALIFIED FLAGMAN OR WATCHMAN AS SPECIFIED BY THE LOCAL ENGINEERING REPRESENTATIVE.
- (3) ALL WORK BEYOND 4 FEET FROM THE OUTSIDE RAILS AND WITHIN 25 FEET MUST BE DONE UNDER THE SUPERVISION OF A QUALIFIED INSPECTOR OR CSXT FLAGMAN.
- (4) CERTAIN TYPES OF WORK DONE BEYOND 25 FEET FROM THE OUTSIDE OF THE RAILS, AND WITH EQUIPMENT THAT WILL NOT REACH BEYOND THIS POINT, MAY BE DONE WITHOUT FLAGGING PROTECTION OR A WATCHMAN. THIS MUST BE APPROVED BY THE LOCAL ENGINEERING REPRESENTATIVE, THE AREA MUST BE PROTECTED BY A CONSTRUCTION FENCE, AND THE WORK MUST BE STATIONARY (WILL NOT BE USED FOR CAT PLOWING).
- (5) ALL WORK MUST BE STOPPED WHILE TRAINS ARE PASSING WITHIN THE WORK ZONE.
- (6) ALL WORKERS WILL REMAIN OFF THE TRACKS. IF NECESSARY TO PERFORM THE WORK ON TRACK, PROTECTION WILL BE PROVIDED AS STATED ABOVE.
- (7) ALL WORKERS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THOSE OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE FEDERAL RAILROAD ADMINISTRATION (FRA).
- (8) AT LEAST THIRTY (30) DAYS ADVANCED NOTIFICATION MUST BE GIVEN TO THE RAILROAD REPRESENTATIVE, TO SCHEDULE A RAILROAD FLAGMAN.
- (9) THE CONTRACTOR MAY NOT USE CSXT RIGHT-OF-WAY, FOR STORAGE OF MATERIALS OR EQUIPOMENT, WITHOUT PRIOR WRITTEN APPROVAL FROM CSXT.
- (10) THE CONTRACTOR SHALL CONDUCT ITS WORK AT ALL TIMES, IN A MANNER WHICH WILL PROTECT CSXT'S PROPERTY AND TRACK FACILITIES FROM DAMAGE AND WITHOUT INTERRUPTION TO TRAIN OPERATIONS.
- (11) PRIOR TO THE INSTALLATION OF ANY SIGNAGE WITHIN CSXT RIGHT-OF-WAY, CONTRACTORS MUST CONTACT THE RAILROAD'S REPRESENTATIVE FOR LOCATION OF ALL UNDERGROUND SIGNAL UTILITIES.
- (12) THE CONTRACTOR SHALL REPLACE ALL RR ADVANCE WARNING SIGNS, RXR PAVEMENT MARKINGS AND STOP LINES AT APPROACHES TO THIS GRADE CROSSINGS, IN ACCORDANCE WITH MUTCD GUIDELINES.
- (13) THE FINISHED ROADWAY SURFACE SHALL BE AT THE SAME ELEVATION AS THE RAILROAD CROSSING SURFACE, FOR A DISTANCE OF 30" ON EACH SIDE OF TRACK(S).
- (14) ANY VIOLATION OF ANY CSXT RULES, REGULATIONS OR POLICIES, MAY RESULT IN REMOVAL OF CONTRACTOR PERSONNEL FROM THE RIGHT-OF-WAY.
- (15) NO CRANE OR BOOM EQUIPMENT SHALL BE ALLOWED TO SET UP TO WORK OR PARK WITHIN BOOM DISTANCE PLUS 15 FEET OF THE CENTERLINE OF TRACK WITHOUT SPECIFIC PERMISSION FROM THE RAILROAD. NO CRANE OR BOOM EQUIPMENT SHALL BE ALLOWED TO FOUL TRACK, WORK WITHIN THE FOUL ZONE, OR LIFT A LOAD OVER THE TRACK WITHOUT FLAGGING PROTECTION AND PERMISSION FOR TRACK TIME FROM THE RAILROAD.

- (16) ALL WORKMEN AND MACHINE OPERATORS SHALL STAY WITH THEIR MACHINES WHEN CRANE OR BOOM EQUIPMENT IS POINTED TOWARD THE TRACK. ALL CRANES AND BOOM EQUIPMENT SHALL STOP WORK AND CLEAR TRACK WHILE TRAIN IS PASSING. SWINGING LOADS SHALL BE SECURED TO PREVENT MOVEMENT WHILE TRAIN IS PASSING AND NO LOADS SHALL BE SUSPENDED ABOVE A MOVING TRAIN. ALL CRANES AND BOOM EQUIPMENT SHALL BE TURNED AWAY FROM THE TRACK AFTER EACH WORK DAY OR WHENEVER UNATTENDED BY AN OPERATOR.
- "ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.
- (18) THE CONTRACTOR SHALL NOTIFY AND COORDINATE THEIR WORK WITH THE FOLLOWING CSXT REPRESENTATIVE:

CSXT GENERAL ENGINEERING CONSULTANT DESIGNATE CROUCH ENGINEERING, INC. 5115 MARYLAND WAY, SUITE 225 BRENTWOOD, TN 37027 ATTN: MR. SCOTT VICK, P.E. PHONE: (615) 791-0630 EMAIL: SVICK@CROUCHENGINEERING.COM

SCTRR RAILROAD CROSSING NOTES

- (19) ALL WORK IN THE FRA RED ZONE (WITHIN 4 FEET FROM OUTSIDE OF THE RAIL ON EACH SIDE OF THE TRACK) WILL BE DONE ONLY WITH A SCTRR, FRA QUALIFIED FLAGMAN OR WATCHMAN AS SPECIFIED BY THE LOCAL ENGINEERING REPRESENTATIVE.
- (20) ALL WORK BEYOND 4 FEET FROM THE OUTSIDE RAILS AND WITHIN 25 FEET MUST BE DONE UNDER THE SUPERVISION OF A QUALIFIED INSPECTOR OR SCTRR FLAGMAN.
- (21) ALL WORKERS WILL REMAIN OFF THE TRACKS. IF NECESSARY TO PERFORM THE WORK ON TRACK, PROTECTION WILL BE PROVIDED AS STATED ABOVE.
- (22) ALL WORKERS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THOSE OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE FEDERAL RAILROAD ADMINISTRATION (FRA).
- (23) AT LEAST THIRTY (30) DAYS ADVANCED NOTIFICATION MUST BE GIVEN TO THE RAILROAD REPRESENTATIVE, TO SCHEDULE A RAILROAD FLAGMAN.
- (24) THE CONTRACTOR MAY NOT USE SCTRR RIGHT-OF-WAY, FOR STORAGE OF MATERIALS OR EQUIPOMENT, WITHOUT PRIOR WRITTEN APPROVAL FROM CSXT.
- (25) THE CONTRACTOR SHALL CONDUCT ITS WORK AT ALL TIMES, IN A MANNER WHICH WILL PROTECT CSXT'S PROPERTY AND TRACK FACILITIES FROM DAMAGE AND WITHOUT INTERRUPTION TO TRAIN OPERATIONS.
- (26) PRIOR TO THE INSTALLATION OF ANY SIGNAGE WITHIN SCTRR RIGHT-OF-WAY, CONTRACTORS MUST CONTACT THE RAILROAD'S REPRESENTATIVE FOR LOCATION OF ALL UNDERGROUND SIGNAL UTILITIES.
- (27) THE CONTRACTOR SHALL REPLACE ALL RR ADVANCE WARNING SIGNS, RXR PAVEMENT MARKINGS AND STOP LINES AT APPROACHES TO THIS GRADE CROSSINGS, IN ACCORDANCE WITH MUTCD GUIDELINES.
- (28) THE FINISHED ROADWAY SURFACE SHALL BE AT THE SAME ELEVATION AS THE RAILROAD CROSSING SURFACE, FOR A DISTANCE OF 30" ON EACH SIDE OF TRACK(S).

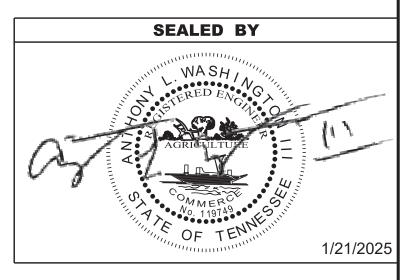
(29)	ANY VIOLATION OF ANY SCTRR RULES, REGULATIONS OR POLICIES, MAY
	RESULT IN REMOVAL OF CONTRACTOR PERSONNEL FROM THE RIGHT-OF
	WAY.

- (30) NO CRANE OR BOOM EQUIPMENT SHALL BE ALLOWED TO SET UP TO WORK OR PARK WITHIN BOOM DISTANCE PLUS 15 FEET OF THE CENTERLINE OF TRACK WITHOUT SPECIFIC PERMISSION FROM THE RAILROAD. NO CRANE OR BOOM EQUIPMENT SHALL BE ALLOWED TO FOUL TRACK, WORK WITHIN THE FOUL ZONE, OR LIFT A LOAD OVER THE TRACK WITHOUT FLAGGING PROTECTION AND PERMISSION FOR TRACK TIME FROM THE RAILROAD.
- (31) ALL WORKMEN AND MACHINE OPERATORS SHALL STAY WITH THEIR MACHINES WHEN CRANE OR BOOM EQUIPMENT IS POINTED TOWARD THE TRACK. ALL CRANES AND BOOM EQUIPMENT SHALL STOP WORK AND CLEAR TRACK WHILE TRAIN IS PASSING. SWINGING LOADS SHALL BE SECURED TO PREVENT MOVEMENT WHILE TRAIN IS PASSING AND NO LOADS SHALL BE SUSPENDED ABOVE A MOVING TRAIN. ALL CRANES AND BOOM EQUIPMENT SHALL BE TURNED AWAY FROM THE TRACK AFTER EACH WORK DAY OR WHENEVER UNATTENDED BY AN OPERATOR.
- (32) ALL WORK MUST BE STOPPED WHILE TRAINS ARE PASSING WITHIN THE WORK ZONE.
- (33) "ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.
- (34) ALL SOILS EXCAVATED WITHIN SCTRR'S RAILROAD RIGHT-OF-WAY SHALL REMAIN ON SCTRR'S RIGHT-OF-WAY. TESTING OF SOILS ON SCTRR ROW IS PROHIBITED WITHOUT PRIOR WRITTEN SCTRR AUTHORIZATION. ANY SOILS EXCAVATED ON SCTRR ROW CAN BE REUSED ON THE ROW PROVIDED PLACING SOILS ALONG SCTRR ROW POSES NO ADVERSE IMPACTS TO THE EXISTING TERRAIN, DRAINAGE OR ENVIRONMENT. SHOULD SOIL NEED TO BE REMOVED FROM SCTRR ROW, THE SCTRR ENVIRONMENTAL DEPARTMENT WILL SAMPLE THE SOIL FOR DISPOSITION. SOIL STAGED ON SCTRR MUST FOLLOW SCTRR PROTOCOL AND BE PROPERLY STORED AND/OR PROTECTED FROM THE ELEMENTS AND POTENTIAL EXPOSURE.
- (35) THE CONTRACTOR SHALL NOTIFY AND COORDINATE THEIR WORK WITH THE FOLLOWING SCTRR REPRESENTATIVE:

CROUCH ENGINEERING, INC.
5115 MARYLAND WAY, SUITE 225
BRENTWOOD, TN 37027
ATTN: MR. SCOTT VICK, P.E.
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TYPE YEAR PROJECT NO. SHEET NO.

RESURF 2025 STP/HSIP-47(12) 2C1



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

ENVIRONMENTAL 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.

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.

SCOPE OF WORK

THIS PROJECT INCLUDES MILL AND 411D, STRIPING, SIGNS, TRAFFIC CONTROL, AND BROOMING AND DEGRASSING SHOULDERS.

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

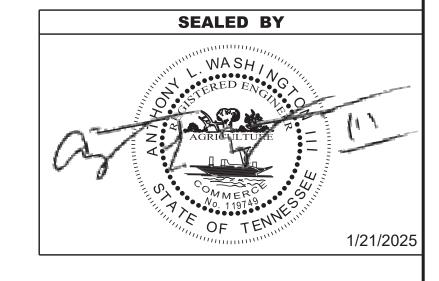
- (6) EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- (8) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFFSITE 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.

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- (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
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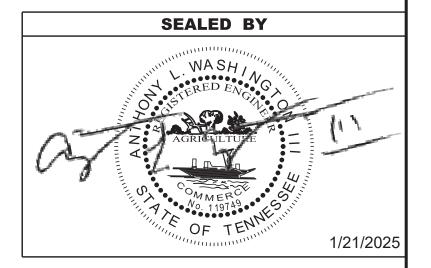
ENVIRONMENTAL NOTES

ENVIRONMENTAL NOTES (CONT.)

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.

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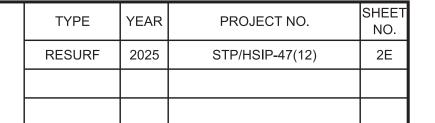


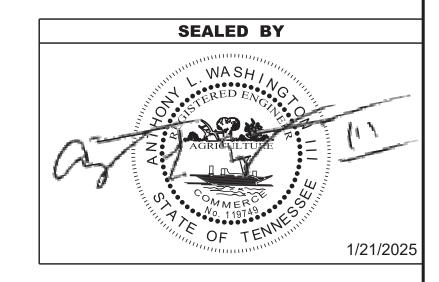
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

TRAFFIC CONTROL SIGN TABULATION (RESURFACING)								
M.U.T.C.D.		SIZE	1	TOTAL	ITEM NO.			
SIGN	LEGEND \ DESCRIPTION	IN INCHES	S.F.	NUMBER	712-06			
NO.		L x W		REQUIRED	S.F.			
G20-1	ROAD WORK NEXT 11 MILES	48" x 24"	8	5	40			
G20-2	END ROAD WORK	48" x 24"	8	42	336			
R3-8M	RIGHT-THROUGH ARROW SIGN	30" x 30"	6	2	13			
W4-2L	LEFT LANE CLOSED SYMBOL	48" x 48"	16	2	32			
W4-2R	RIGHT LANE CLOSED SYMBOL	48" x 48"	16	2	32			
W8-11	UNEVEN LANES	48" x 48"	16	26	416			
W8-15	GROOVED PAVEMENT	48" x 48"	16	26	416			
W8-15P	MOTORCYCLE PLAQUE	30" x 24"	5	26	130			
W20-1	ROAD WORK 1 MILE	48" x 48"	16	5	80			
W20-1	ROAD WORK 1/2 MILE	48" x 48"	16	5	80			
W20-1	ROAD WORK 1000 FT	48" x 48"	16	5	80			
W20-1	ROAD WORK 500 FT	48" x 48"	16	2	32			
W20-1	ROAD WORK AHEAD	48" x 48"	16	40	640			
W20-4	ONE LANE ROAD 1000 FT - PORTABLE	48" x 48"	16	2	32			
W20-5L	LEFT LANE CLOSED 1000 FT	48" x 48"	16	2	32			
W20-5R	RIGHT LANE CLOSED 1000 FT	48" x 48"	16	2	32			
W20-7A	FLAGGER SYMBOL - PORTABLE	48" x 48"	16	2	32			
W21-2	FRESH OIL - PORTABLE	48" x 48"	16	2	32			
				TOTAL	2487			

PROPOSED GUARDRAIL (RESURFACING)							
			GU	ARDRAIL	TERMINAL ANCHORS		
			GUARDRAIL GR	GUARDRAIL REMOVED	TYPE 38	TYPE 21	
SIDE		LOG MILE	TRANSITION		MASH TL3	MASH TL2	
			27 IN TO 31 IN		(46.875')	(21.875')	
LT	RT		705-02.10	706-01	705-06.20	705-06.30	
LI	KI		(EACH)	(L.F.)	(EACH)	(EACH)	
Х		0.319	1	75	1		
X		0.363	1	75	1		
X		3.518	1	75	1		
TOTALS		OTALS	3	225	3		





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

#351029R WALNUT ST (SR047), LM 1.850, NEAR DICKSON LAT 36.0636974, LONG -87.3508700

- 1. Install one (1) new RxR pavement marking on eastbound State Route 47 (SR047) located approximately 350 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-1 and in accordance with MUTCD Section 8B.27 and Figure 8B-6.
- 2. Remove the existing Highway-Rail Grade Crossing Advance Warning sign (W10-1) on eastbound State Route 47 (SR047) located approximately 275 feet from the nearest rail. Install one (1) new Highway-Rail Grade Crossing Advance Warning sign (W10-1) on eastbound State Route 47 (SR047) adjacent to the new RxR pavement marking located approximately 350 feet in advance of the nearest rail 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 Install a 2-inch yellow retroreflective strip to the front face of the signpost in accordance with MUTCD Section 2A.21.
- 3. Install one (1) new Stop Line on the eastbound approach of State Route 47 (SR047) located approximately 75 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-1 and in accordance with MUTCD Section 8B.28 and Figure 8B-6.
- 4. Install one (1) Stop Here When Flashing sign (R8-10a) adjacent to the new Stop Line on the eastbound approach of State Route 47 (SR047) located approximately 75 feet in advance of the nearest rail.
- 5. Install one (1) new Stop Line on the westbound approach of State Route 47 (SR047) located approximately 8 feet in advance of the existing active lights mast assembly but no closer than 15 feet in advance of 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 Highway-Rail Grade Crossing Advance Warning sign (W10-4) on northbound Printwood Rd (05687) located approximately 500 feet in advance of the Stop Sign (R1-1). Install one (1) new Highway-Rail Grade Crossing Advance Warning sign (W10-4) on northbound Printwood Rd (05687) located approximately 125 feet in advance of the Stop Sign (R1-1) 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 Install a 2-inch yellow retroreflective strip to the front face of the signpost in accordance with MUTCD Section 2A.21.

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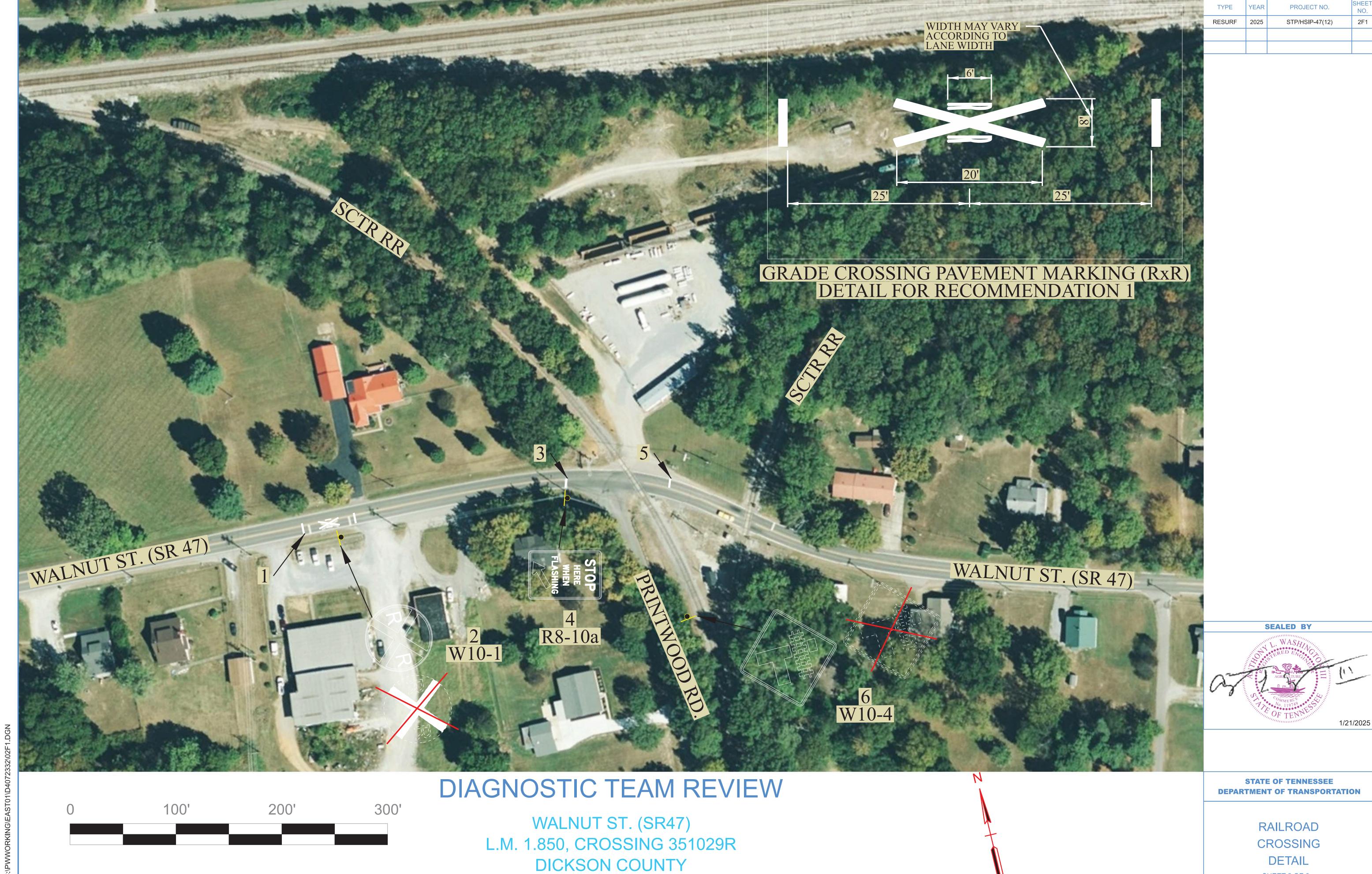
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OF TENNIHAM

1/21/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAILROAD
CROSSING
DETAILS
SHEET 1 OF 6



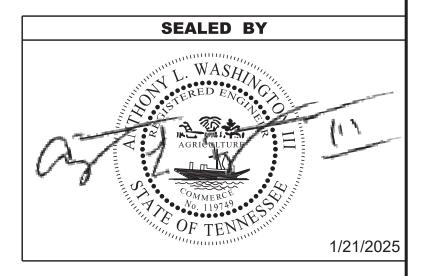
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#351030K WALNUT ST (SR047), LM 1.870, NEAR DICKSON LAT 36.0634890, LONG -87.3504677

- 1. Install one (1) new Stop Line on the eastbound approach of State Route 47 (SR047) located approximately 8 feet in advance of the existing active lights mast assembly but no closer than 15 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-1 and in accordance with MUTCD Section 8B.28 and Figure 8B-6.
- 2. Install one (1) new Stop Line on the westbound approach of State Route 47 (SR047) located 8 feet in advance of the existing active lights mast assembly but no closer than 15 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-1 and in accordance with MUTCD Section 8B.28 and Figure 8B-6.
- 3. Install one (1) new RxR pavement marking on westbound State Route 47 (SR047) located approximately 275 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-1 and in accordance with MUTCD Section 8B.27 and Figure 8B-6.
- 4. Remove the existing Highway-Rail Grade Crossing Advance Warning sign (W10-1) on westbound State Route 47 (SR047) located approximately 275 feet from the nearest rail. Install one (1) new Highway-Rail Grade Crossing Advance Warning sign (W10-1) on westbound State Route 47 (SR047) adjacent to the new RxR pavement marking located approximately 275 feet in advance of the nearest rail 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 Install a 2-inch yellow retroreflective strip to the front face of the signpost in accordance with MUTCD Section 2A.21.

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RESURF	2025	STP/HSIP-47(12)	2F2



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RAILROAD
CROSSING
DETAILS
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TYPE YEAR PROJECT NO. SHEET NO.

RESURF 2025 STP/HSIP-47(12) 2F3

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STATE OF TENNESSEE
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RAILROAD
CROSSING
DETAIL
SHEET 4 OF 6

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WALNUT ST. (SR47)
L.M. 1.870, CROSSING 351030K
DICKSON COUNTY

#348070E CRAUN HOLLOW RD (0A524), LM 0.024, NEAR WHITE BLUFF LAT 36.0994310, LONG -87.2478610

- 1. Install one (1) new Highway-Rail Grade Crossing Advance Warning sign (W10-3) on northeast bound State Route 47 (SR047) located approximately 325 feet in advance of the intersection with Craun Hollow Rd (0A524) 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 yellow retroreflective strip to the front face of the signpost in accordance with MUTCD Section 2A.21.
- 2. Remove the existing Highway-Rail Grade Crossing Advance Warning sign (W10-3) on southwest bound State Route 47 (SR047) located approximately 175 feet from the intersection with Craun Hollow Rd (0A524). Install one (1) new Highway-Rail Grade Crossing Advance Warning sign (W10-3) on southwest bound State Route 47 (SR047) located approximately 325 feet in advance of the intersection with Craun Hollow Rd (0A524) 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 yellow retroreflective strip to the front face of the signpost in accordance with MUTCD Section 2A.21.
- 3. Install one (1) new RxR pavement marking on northwest bound Craun Hollow Rd (0A524) located approximately 175 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-6 and in accordance with MUTCD Section 8B.28 and Figure 8B-6.
- 4. Remove the existing Highway-Rail Grade Crossing Advance Warning sign (W10-1) on northwest bound Craun Hollow Rd (0A524) located approximately 150 feet from the nearest rail. Install one (1) new Highway-Rail Grade Crossing Advance Warning sign (W10-1) on northwest bound Craun Hollow Rd (0A524) adjacent to the new RxR pavement marking located approximately 175 feet in advance of the nearest rail 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 yellow retroreflective strip to the front face of the signpost in accordance with MUTCD Section 2A.21.
- 5. Remove the existing Passive crossing signs and signposts on both approaches at the crossing on Craun Hollow Rd (0A524) and install new signs and posts located no closer than 15 feet to the nearest rail. The new signs on each of the posts should include two (2) Crossbuck signs (R15-1) placed back-to-back, one (1) Yield sign (R1-2) and reinstall the existing Emergency Notification System sign (I-13) as specified by TDOT Standard Drawings T-RR-6 and T-S-16A and in accordance with MUTCD Sections 8B.03, 8B.04, and 8B.18; Table 8B-1; and Figures 8B-1, 8B-2, and 8B-5. Install a 2-inch wide red retroreflective strip on the front of each signpost and a white retroreflective strip on the back of the signposts in accordance with MUTCD Section 2A.21.
- 6. Install one (1) new Stop Line on both the northwest bound and southeast bound approaches of Craun Hollow Rd (0A524) located adjacent to the new passive crossbuck sign assemblies but no closer than 15 feet in advance of the nearest rail as specified by TDOT Standard Drawing T-RR-6 and in accordance with MUTCD Section 8B.28 and Figure 8B-6.

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1/21/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAILROAD CROSSING DETAILS SHEET 5 OF 6

