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ARCADIS US, INC.
524 SOUTH GAY STREET, SUITE 201
KNOXVILLE, TENNESSEE 37902
RACHEL H. COLE, P.E. NO. 119667

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, STANDARD ROADWAY AND	
TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D, 2D1-2D3
ENVIRONMENTAL NOTES.....	2E
TABULATED QUANTITIES	2F
UTILITY NOTES AND UTILITY OWNERS.....	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL.....	T1

YEAR	PROJECT NO.	SHEET NO.
2025	NH/HSIP-27(56)	ROADWAY-SIGN 1
	33S027-F8-003	
	33S027-F3-003	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

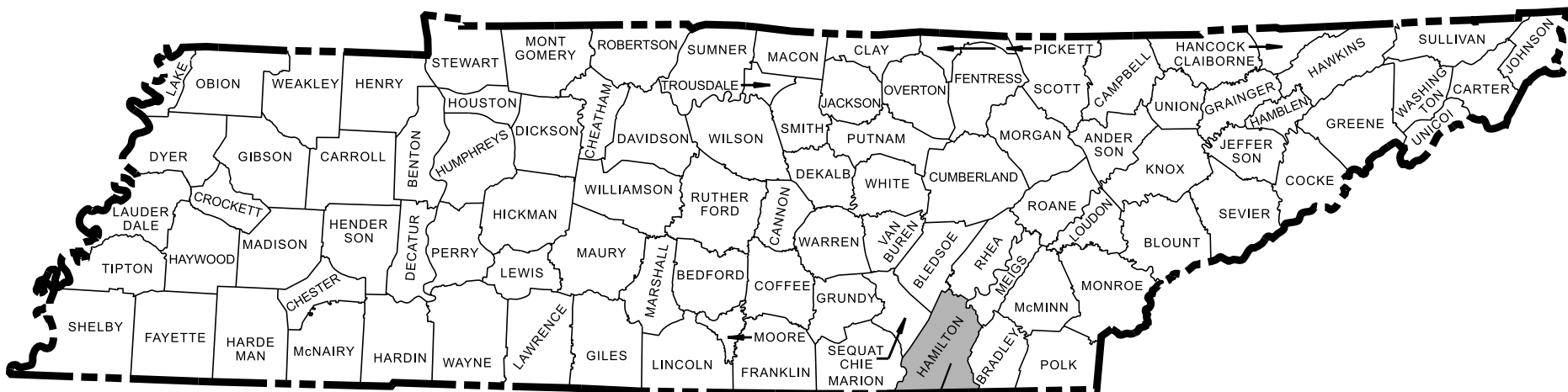
HAMILTON COUNTY

STATE ROUTE 27 (US-27):
FROM SOUTH OF I-24 OVERPASS (L.M. 5.51)
TO GEORGIA STATE LINE (L.M. 7.93)

RESURFACE & SAFETY
NIGHT WORK, INTELLIGENT COMPACTION, MILL 2.5" , CAM 1.25",
D MIX 1.25", AND PAVEMENT MARKINGS
STATE HIGHWAY NO. 27 F.A.H.S. NO. 27

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.	NH/HSIP-27(56)	
STATE PROJ. NO.	33S027-F8-003, 33S027-F3-003	



PROJECT LOCATION
NO BRIDGES WITHIN PROJECT LIMITS

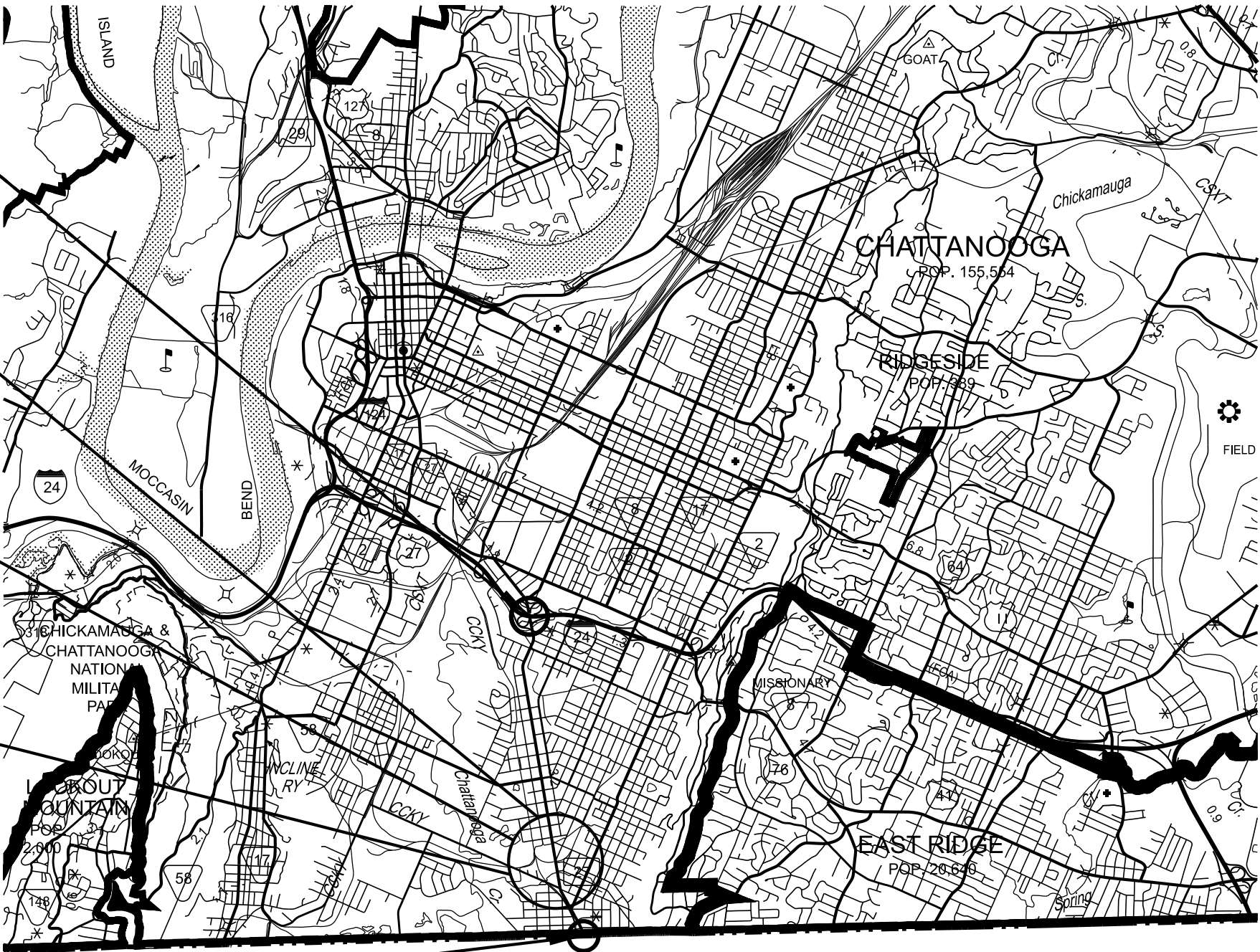
33S027-F8-003
33S027-F3-003
BEGIN PROJECT NO. NH/HSIP-27(56) RESURFACE & SAFETY
L.M. 5.51

NORFOLK SOUTHERN RAILWAY COMPANY
R/R AT-GRADE CROSSING #736803S
LAT. 34.99263 LONG. -85.29035
MP 0.00 L.M. 7.34

CHATTOOGA & CHICKAMAUGA RAILROAD (CCKY)
R/R AT-GRADE CROSSING #736807U
LAT. 34.9876460 LONG. -85.2887140
MP 0444.99 L.M. 7.70

TENNESSEE, ALABAMA, AND GEORGIA RAILWAY COMPANY (TAG)
R/R AT-GRADE CROSSING #736806M
LAT. 34.9867300 LONG. -85.2883900
MP 444.80 L.M. 7.77

33S027-F8-003
33S027-F3-003
END PROJECT NO. NH/HSIP-27(56) RESURFACE & SAFETY
L.M. 7.93



G E O R G I A

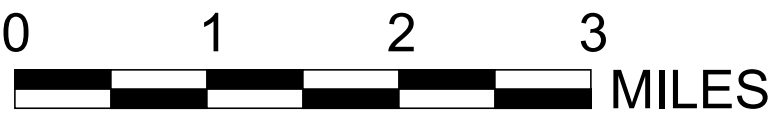
SPECIAL NOTES

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.

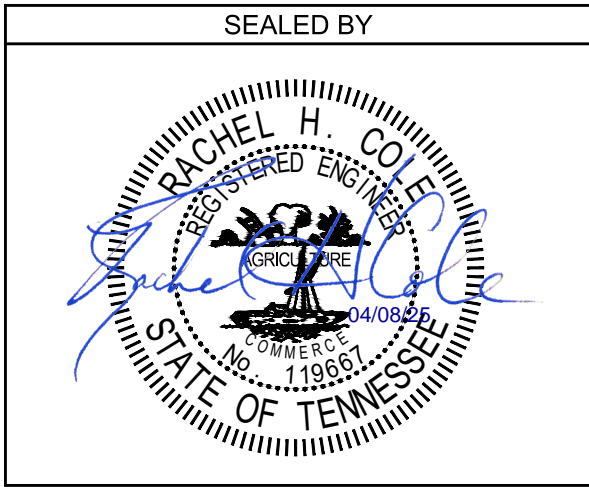
TDOT PROJECT MANAGER : ANDREW ZAZZARA, P.E.
DESIGN FIRM : ARCADIS US, INC.
DESIGNER : NATALIE KERNISANT CHECKED BY RACHEL H. COLE, P.E.
P.E. NO. 98023-4217-04 (DESIGN)
PIN NO. 129668.00

SCALE: 1"= 5280'



PROJECT LENGTH 2.42 MILES
TOTAL LANE MILES RESURFACED 14.52 MILES

NO EXCLUSIONS



APPROVED: WILL REID, DEPUTY COMMISSIONER / CHIEF ENGINEER
DATE:

APPROVED: HOWARD H. ELEY, DEPUTY GOVERNOR & COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: DIVISION ADMINISTRATOR DATE

TRAFFIC DATA	
ADT (2025)	29,538
POSTED SPEED	
L.M. 5.51 - L.M. 7.54	40 MPH
L.M. 7.54 - L.M. 7.93	30 MPH

ROADWAY INDEX

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*REFERENCE SHEETS	C1-C2

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

NO PROJECT COMMITMENTS INCLUDED IN THIS PROJECT

*PROVIDED BY OTHERS

STANDARD ROADWAY DRAWINGS

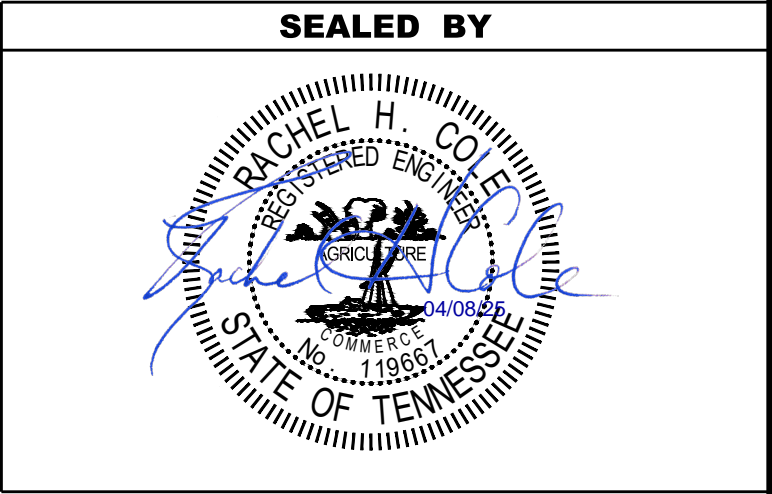
DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
10-105.00 MULTIMODAL		
MM-PM-2	07-30-24	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES
MM-PM-3	06-15-21	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS
MM-PM-4		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
MM-PM-5	05-04-22	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
10-200.00 SIGNS		
T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-11-17	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	06-12-20	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-11-17	SIGN DETAILS
10-201.00 SIGNALS		
T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	07-11-17	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
10-203.00 RAILROAD CROSSING		
T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD ACTIVE HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
T-RR-4	11-01-11	STANDARD DRAWING FOR TYPICAL CURB & GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING WITH OR WITHOUT GATES
T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS

DWG.	REV.	DESCRIPTION
10-204.00 DESIGN - TRAFFIC CONTROL		
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	1A
		33S027-F8-003	
		33S027-F3-003	



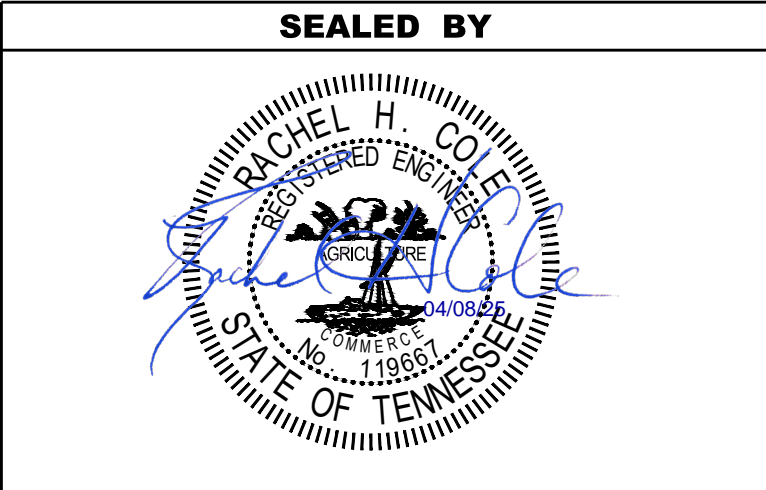
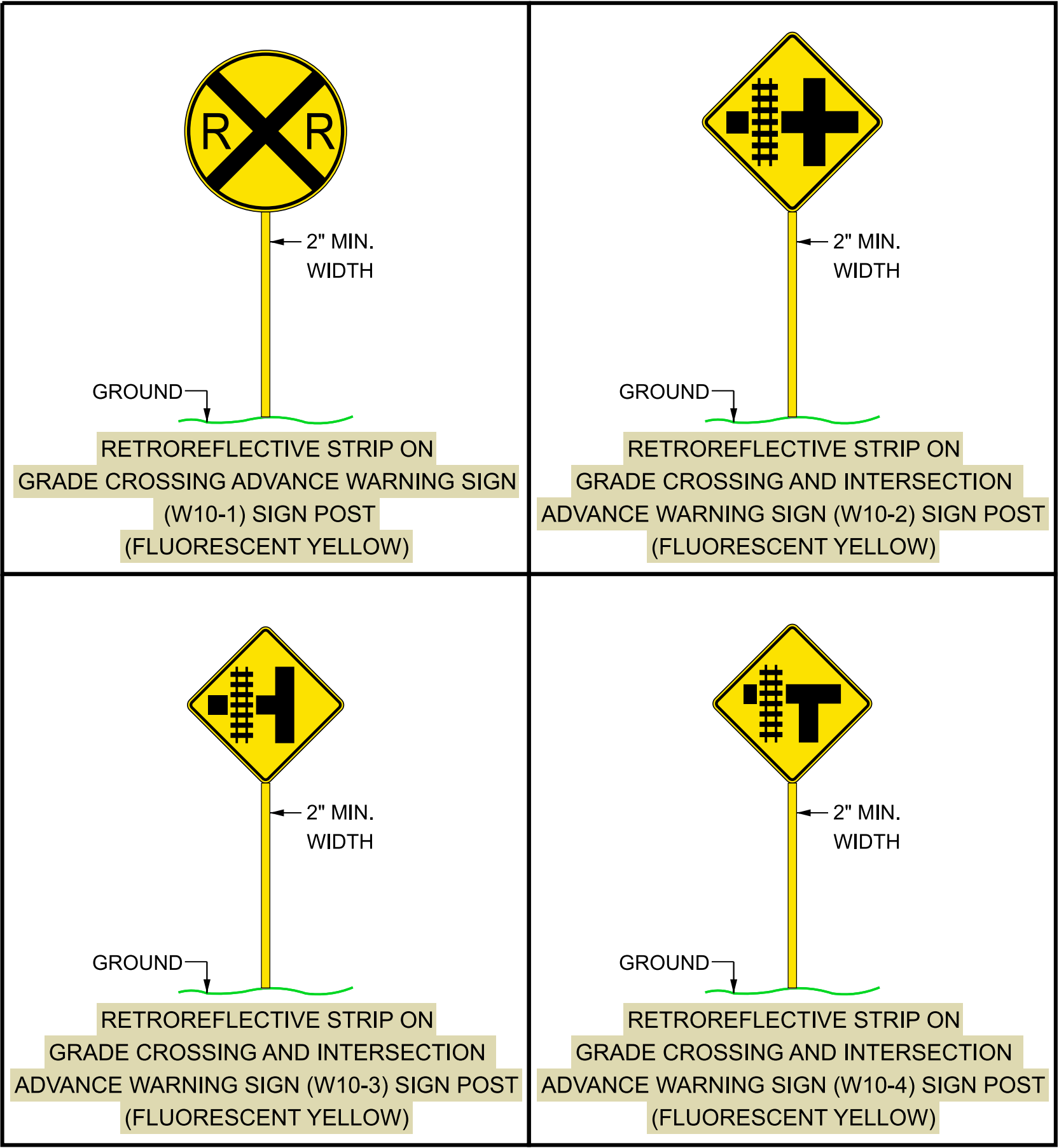
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,
STANDARD ROADWAY
AND
TRAFFIC DESIGN
DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	2
		33S027-F8-003	
		33S027-F3-003	

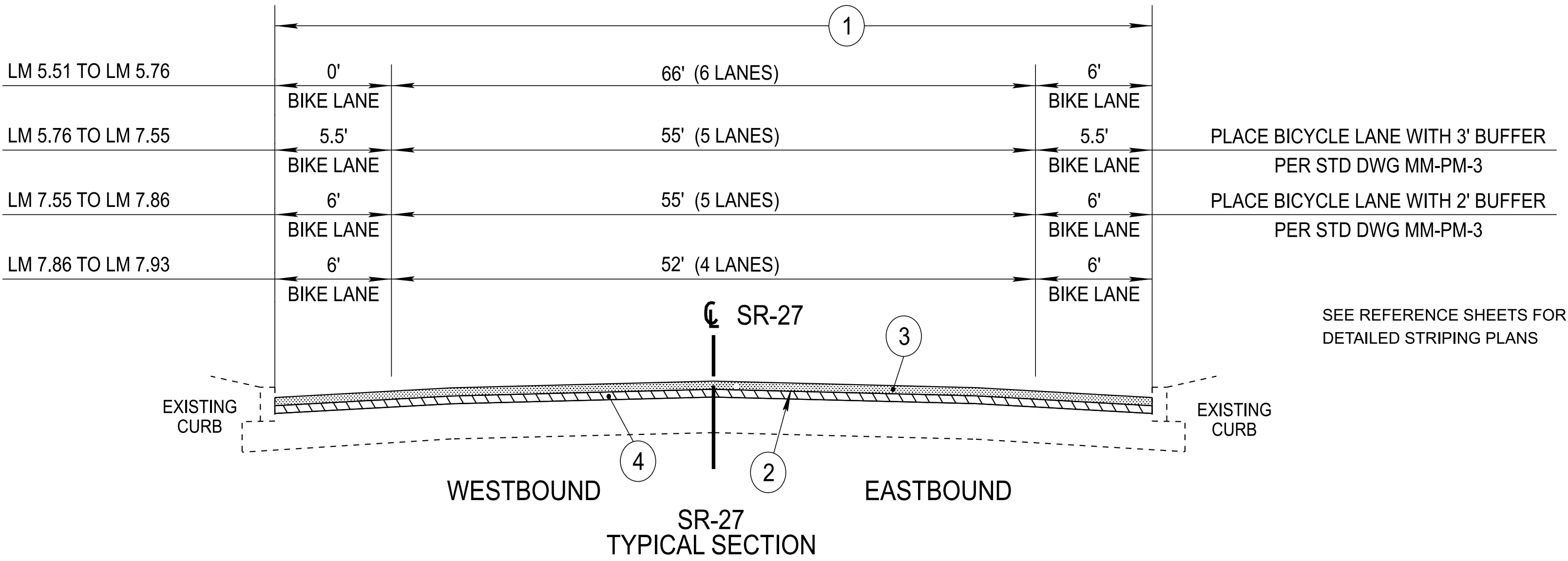
ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 33S027-F8-003	QUANTITY 33S027-F3-003	TOTAL QUANTITY
	209-70.01 VACUUM TRUCK/SWEEPER FOR ROADWAY DEBRIS	HOUR	80		80
(1)	307-02.09 ASPHALT CONCRETE MIX (PG70-22) GRADING CAM	TON	6889		6889
(2)	403-02.01 TRACKLESS TACK COAT	TON	53		53
(3)	411-01.21 LONGITUDINAL JOINT SEALANT	L.M.	9.4		9.4
(4)	411-03.10 ACS MIX(PG76-22) GRADING D	TON	6639		6639
(5)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	13152		13152
(6)	611-09.01 ADJUSTMENT OF EXISTING CATCHBASIN	EACH		100	100
	712-01 TRAFFIC CONTROL	LS	1		1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	91		91
(6)	712-06 SIGNS (CONSTRUCTION)	S.F.	1770		1770
	712-08.03 ARROW BOARD (TYPE C)	EACH	2		2
(7)	713-15 REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1		1
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	4		4
(7)(8)	713-16.09 RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH		4	4
(9)	713-16.20 SIGNS (R3-17 with R3-17bP)	EACH		1	1
(7)(8)	713-16.21 SIGNS (W10-2)	EACH		5	5
(7)(8)	713-16.22 SIGNS (W10-3)	EACH		2	2
(7)(8)	713-16.23 SIGNS (W10-4)	EACH		2	2
	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	382		382
	716-01.23 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	280		280
(10)	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	506		506
(11)	716-02.03 PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.		723	723
(11)(12)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		667	667
(11)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		2072	2072
(11)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		31	31
(11)	716-02.08 PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.		1242	1242
(11)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		2471	2471
(11)	716-02.12 PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.		0.25	0.25
(11)	716-03.02 PLASTIC WORD PAVEMENT MARKING (RXR)	EACH		12	12
(11)	716-04.01 PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH		7	7
(11)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH		10	10
(11)	716-04.13 PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH		48	48
(13)	718-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	15		15
(13)	718-05.05 PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	2072		2072
(14)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	13.7		13.7
	717-01 MOBILIZATION	LS	1		1

FOOTNOTES	
(1)	INCLUDES 181 TONS FOR CITY STREETS AND COUNTY ROADS.
(2)	INCLUDES 10.2 TONS FOR CITY STREETS AND COUNTY ROADS.
(3)	USE CRAFCO PAVEMENT JOINT ADHESIVE #34524. PAVON JOINT ADHESIVE BY PAVON CORPORATION OR DENSO TAPE BY DENSO.
(4)	INCLUDES 174 TONS FOR CITY STREETS AND COUNTY ROADS.
(5)	INCLUDES 345 TONS FOR CITY STREETS AND COUNTY ROADS.
(6)	SEE SHEET 2F FOR TABULATION.
(7)	SEE SHEETS 2D1 - 2D3 FOR MORE INFORMATION.
(8)	INCLUDES THE COST OF SIGNS, POSTS, FOOTINGS, APPROX. 6 L.F. EACH OF FLUORESCENT YELLOW SIGN POST DELINEATION ENHANCEMENT, AND INSTALLATION.
(9)	SIGN WITH PLAQUE ASSEMBLY INCLUDES THE COST OF SIGNS, POST, FOOTING, AND INSTALLATION. SEE REFERENCE SHEETS FOR DETAILS.
(10)	REMOVED SPM TO BECOME PROPERTY OF THE CONTRACTOR. INCLUDES ALL COST ASSOCIATED WITH REMOVAL AND PROPER DISPOSAL.
(11)	CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(12)	INCLUDES 603 SY OF 6" SOLID WHITE BIKE LANE BUFFER AND 64 SY OF 12" SOLID YELLOW STRIPED MEDIAN.
(13)	TO BE USED FOR TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS.
(14)	CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.



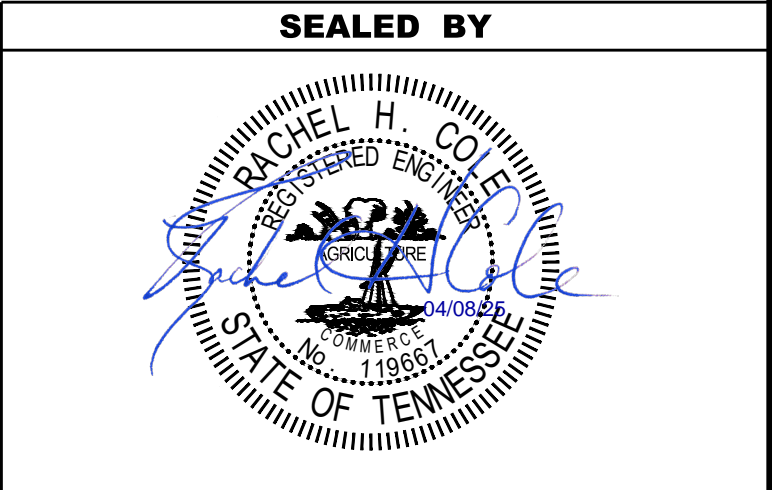
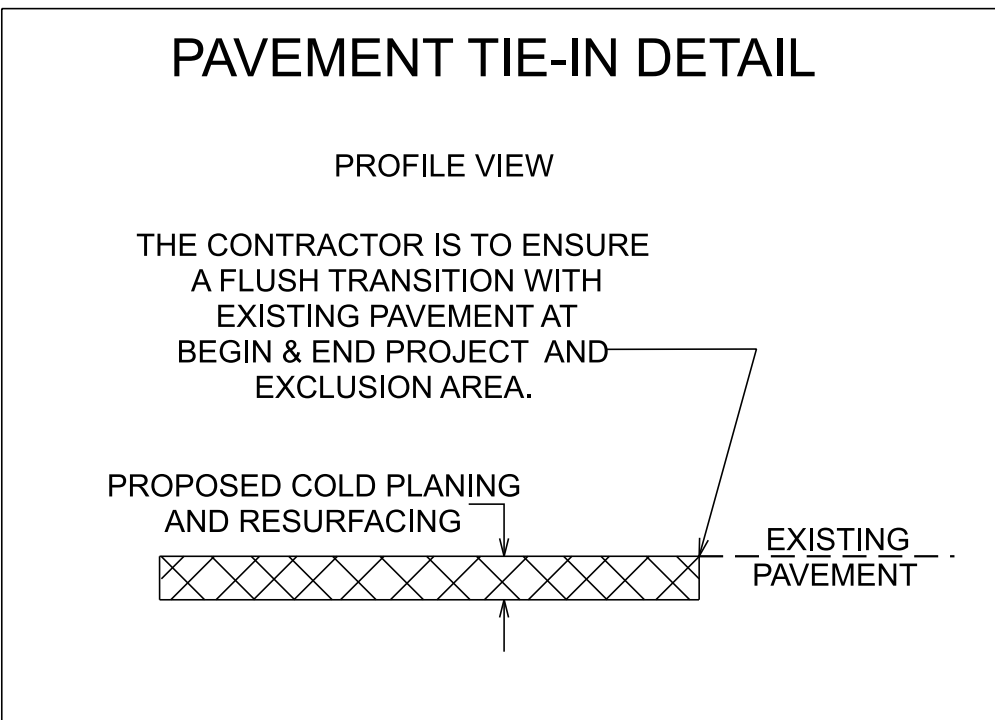
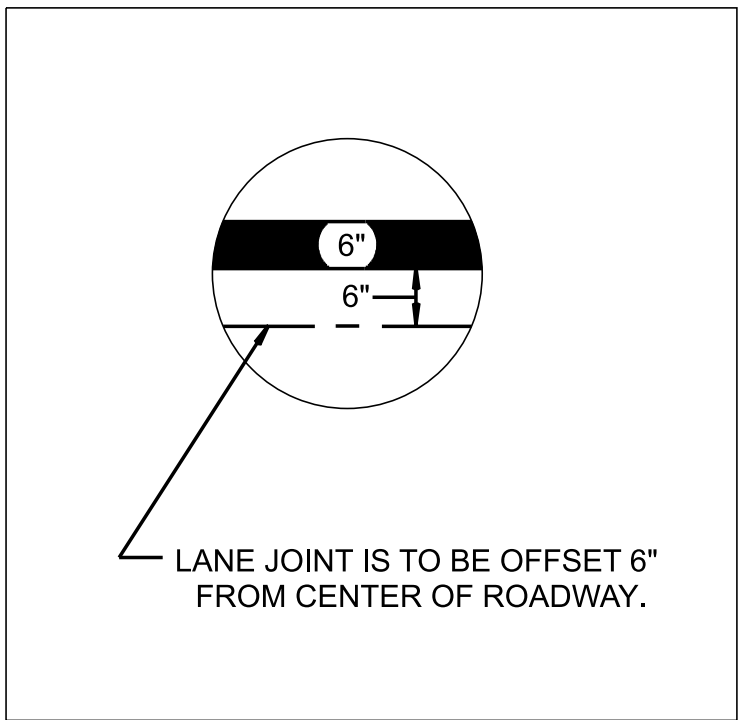
SEALED BY
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
ESTIMATED ROADWAY QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	2B
		33S027-F8-003	
		33S027-F3-003	



NOTE: EXCLUDE PAVING CONCRETE INTERSECTIONS.
LONGITUDINAL JOINT SEALANT (ITEM 411-01.21) SHALL BE USED ON LANE JOINTS.
INTELLIGENT COMPACTION SHALL BE USED

PROPOSED PAVEMENT SCHEDULE	
①	COLD PLANING 2.50" THICK (APPROX. 262.50 LBS/SY) ITEM 415-01.01 COLD PLANING BITUMINOUS PAVEMENT, TON
②	TRACKLESS TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD. ITEM 403-02.01 TRACKLESS TACK COAT (TC), TON
③	SURFACE MIX 1.25" THICK @ 132.5 LBS/SY ITEM 411-03.10 ACS MIX (PG76-22) GRADING "D", TON
④	CRACK ATTENUATING MIX 1.25" THICK @ 137.5 LBS/SY SEE SPECIAL PROVISION 307CAM FOR INFORMATION. ITEM 307-02.09 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING CAM, TON



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.

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

- (1) 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. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

FINAL PAVEMENT MARKING

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

a. BROOMING & DE-GRASSING SHOULDERS SHALL INCLUDE CLIPPING OF MATERIAL INTERFERING WITH PROPER DRAINAGE OF ROADWAY (INCLUDING PAVED AND GRAVEL SHOULDERS), AS DIRECTED BY THE TDOT PROJECT ENGINEER.

b. ALL MATERIAL FROM CLIPPING, BROOMING AND DE-GRASSING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE TDOT PROJECT ENGINEER.

c. ALL COSTS ASSOCIATED WITH PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.

d. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (8) 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

- (19) 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.
- (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.
- (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 ONSTRUCTION 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

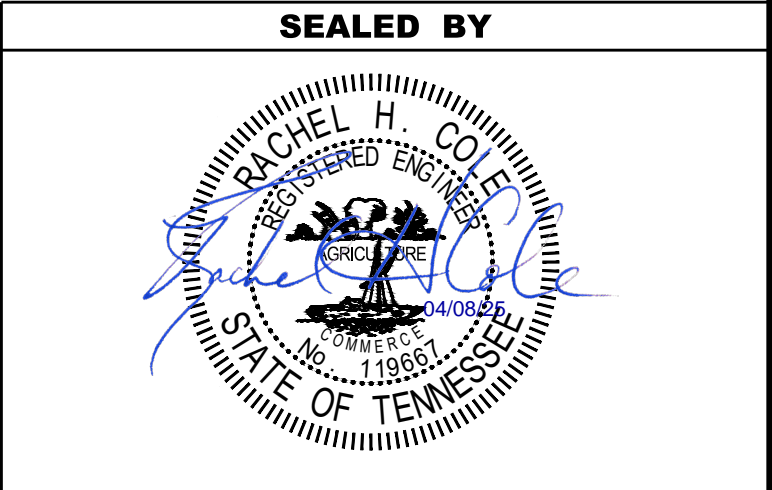
SIGNALIZATION

- (1) EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION 730.
- (6) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF CHATTANOOGA OR HAMILTON COUNTY AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE CITY OF CHATTANOOGA OR HAMILTON COUNTY.
- (7) IF RESURFACING IS INCLUDED IN THE PROJECT, SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.
- (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.
- (13) LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE IF A LEVELING COURSE IS PROVIDED.
- (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.
- (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	NH/HSIP-27(56)	2C
		33S027-F8-003	
		33S027-F3-003	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

SPECIAL NOTES

TRAFFIC CONTROL

- (1)

THE CONTRACTOR SHALL MAKE PROVISIONS TO SAFELY CONTROL TRAFFIC INGRESS AT ALL ROADWAY ENTRANCES WITHIN THE FLAGGED WORK ZONE TO THE SATISFACTION OF THE TDOT PROJECT ENGINEER. ALL COST ASSOCIATED WITH THE CONTROLS WILL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL.
- (2)

EXISTING CONSTRUCTION, REGULATORY AND WARNING SIGNS WHICH CONFLICT WITH THE CONSTRUCTION SIGNING SHALL BE REMOVED DURING CONSTRUCTION AND REINSTALLED AS DIRECTED BY THE TDOT PROJECT ENGINEER. ALL COSTS TO BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-01, TRAFFIC CONTROL, PER LUMP SUM.
- (3)

THE CONTRACTOR SHALL GIVE THE TDOT PROJECT ENGINEER A MINIMUM OF SEVEN (7) DAYS NOTICE PRIOR TO STARTING WORK SO THAT SUFFICIENT NOTICE CAN BE PREPARED AND DISTRIBUTED TO THE MEDIA.
- (4)

IMMEDIATELY UPON COMPLETION OF EACH CONSTRUCTION PHASE, ALL TRAFFIC CONTROL ITEMS THAT ARE NOT NECESSARY FOR THE SUCCEEDING PHASE SHALL BE REMOVED, COVERED, OR TURNED TO FACE AWAY FROM THE TRAFFIC.
- (5)

THE CONTRACTOR SHALL PROVIDE FLAGGER AT EACH SIDEROAD WITHIN THE PAVING OPERATION.
- (6)

A MINIMUM OF TWO (2) TYPE "C" ARROW BOARDS WILL BE REQUIRED. IF THE CONTRACTOR SCHEDULES HIS OPERATIONS SUCH THAT MORE THAN TWO (2) ARROW BOARDS ARE REQUIRED, THE COST OF ALL ADDITIONAL ARROW BOARDS WILL BE AT THE CONTRACTOR'S EXPENSE.
- (7)

CHANGEABLE MESSAGE SIGNS UNITS (ITEM NO. 713-16.01) WILL BE REQUIRED ON THIS PROJECT. THE SIGNS WILL BE USED FOR ADVANCED WARNING OR AS DIRECTED BY THE ENGINEER.
- (8)

MESSAGE BOARDS SHALL BE DISPLAYED A MINIMUM OF SEVEN (7) DAYS PRIOR TO STARTING WORK TO INFORM PUBLIC OF UPCOMING CONSTRUCTION PROJECT.
- (9)

PRIOR TO DISPLAYING MESSAGES ON CHANGEABLE MESSAGE BOARDS, ALL MESSAGES SHALL BE APPROVED BY THE TDOT PROJECT ENGINEER AND REGION 2 TRAFFIC ENGINEER.
- (10)

INFORMATION ON CHANGEABLE MESSAGE BOARDS SHALL BE UPDATED TO REFLECT CURRENT CONSTRUCTION CONDITIONS ACTIVITIES AT ALL TIMES.

PAVEMENT

PAVING

- (1)

INTELLIGENT COMPACTION SHALL BE USED.
- (2)

ANY QUANTITY REMAINING ON ITEMS COMPLETED PRIOR TO THE PAVING OPERATION WILL NOT BE CONVERTED TO ADDITIONAL ASPHALT FOR THE ROADWAY.

MISCELLANEOUS

- (1)

ALL SAFETY IMPROVEMENTS TO BE PAID FOR UNDER PROJECT NUMBER: NH/HSIP-27(56), 33S027-F3-003.

PAVEMENT MARKING

- (1)

THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL PAVEMENT MARKING. ANY CHANGE FROM THE EXISTING PAVEMENT MARKINGS MUST BE APPROVED BY THE REGION 2 TRAFFIC MANAGER.
- (2)

EXISTING PAVEMENT MARKING IN THE SIDE ROAD RADII SHALL BE RE-TRACED AS DIRECTED BY THE TDOT PROJECT ENGINEER DURING FINAL STRIPING.

COLD PLANING

- (1)

THE CONTRACTOR WILL BE REQUIRED TO PAVE THE COLD PLANED PAVEMENT WITHIN A PERIOD OF 96 HOURS.
- (2)

PROVIDED THAT THE CONTRACTOR USES A COLD PLANING MACHINE WITH THE MILLING DRUM SPECIFICATIONS OF CLOSELY SPACED FINE TOOTH (5/16 INCHES OR SMALLER) MILLING DRUM, MOVING FORWARD AT MODERATE SPEED (50 TO 65 FPM) AND THE UNDER SURFACE REMAINS INTACT (HAVING NO LOOSE MATERIAL OR GOUGES,) THEN THE CONTRACTOR MAY REQUEST PERMISSION FROM THE REGION 2 PROJECT ENGINEER TO MILL ALL SURFACES BEFORE COVERING WITH BITUMINOUS MATERIAL.

- (3)

IF MILLED SURFACE BEGINS TO DETERIORATE, PAVING TO COVER UP DETERIORATING MILLED SURFACES SHOULD OCCUR AS DIRECTED BY THE TDOT PROJECT ENGINEER DURING THE NEXT WORKING DAY. IF SEVERE DISTRESS OCCURS, IMMEDIATE RESPONSE WILL BE REQUIRED.
- (4)

IF SUBSURFACE PAVEMENT FAILURE IS EXPOSED AFTER MILLING, REMOVE AREA OF FAILURE TO SOUND PAVEMENT AND REPLACE WITH "D" MIX PRIOR TO PLACING PROPOSED OVERLAY.
- (5)

AT THE COMPLETION OF COLD PLANING OPERATION, ANY DEPRESSIONS WILL BE CLEANED AND BROUGHT TO PROPER GRADE WITH "D" MIX MATERIAL. THE COST OF THE CLEAN UP WILL BE INCLUDED IN THE UNIT PRICE FOR "D" MIX MATERIAL.
- (6)

THE CONTRACTOR SHOULD TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT NEAR EXISTING MANHOLES SO AS NOT TO DAMAGE MANHOLE OR CONCRETE RING AROUND EXISTING MANHOLE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS ON ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE TDOT PROJECT ENGINEER AT NO ADDITIONAL COST.
- (7)

EXISTING CONCRETE POURED AROUND CATCH BASINS AT THE GUTTER SHALL NOT BE DAMAGED. THIS CONCRETE MUST REMAIN IN PLACE WITH ASPHALT TYING TO THE EXISTING CONCRETE. ANY DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.
- (8)

ADJUSTMENT OF EXISTING MANHOLE INCLUDES LOWERING BEFORE MILLING OPERATION BEGINS AND RAISING BACK UP AFTER FINAL PAVING.

LANE CLOSURES

- (1)

THE RESTRICTION OF TRAFFIC TO ONE LANE SHALL NOT EXCEED ONE DAY'S PAVING OPERATION OR AS DIRECTED BY THE TDOT PROJECT ENGINEER.
- (2)

THE CONTRACTOR SHALL KEEP ALL TRAFFIC LANES OPEN TO TRAFFIC DURING NON-WORKING HOURS AND/OR NON-WORK DAYS.
- (3)

DAYTIME LANE CLOSURES WILL NOT BE ALLOWED UNLESS DIRECTED BY THE TDOT PROJECT ENGINEER.
- (4)

THE CONTRACTOR SHALL NOT BE ALLOWED TO INTERRUPT TRAFFIC FLOW AND SHALL MAINTAIN ALL LANES OF TRAFFIC IN EACH DIRECTION ON THE FOLLOWING DAYS:

A.

OFFICIAL STATE HOLIDAYS.

B.

FRIDAY AT 6:00 PM UNTIL TUESDAY AT 7:00 PM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON MONDAY.

C.

THURSDAY AT 6:00 PM UNTIL MONDAY AT 7:00 PM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON FRIDAY.

D.

DURING LOCAL FESTIVALS, GAMES OR EVENTS THAT COULD BE IMPEDED BY THE PAVING OPERATIONS WHERE AND AS DIRECTED BY THE TDOT PROJECT ENGINEER.

JOINT SEALANTS

- (1)

THE CONTACT SURFACE OF LONGITUDINAL JOINTS IN THE SURFACE LIFT SHALL BE SEALED BY SPRAYING THE JOINT PRIOR TO PLACEMENT OF ADDITIONAL ASPHALT AGAINST THE PREVIOUSLY PLACED MATERIAL. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED IF THE MATERIAL NEEDS TO BE RE-HEATED, AND WHEN PLACING THE THIN, UNIFORM COAT.
- (2)

PRIOR TO APPLICATION OF THE SEALANT, THE FACE OF THE JOINT SHALL BE THOROUGHLY DRY AND FREE FROM DUST OR ANY OTHER MATERIAL THAT WOULD PREVENT PROPER SEALING. ALL JOINTS SHALL BE SWEEP OR BLOWN FREE OF LOOSE MATERIAL, DIRT, VEGETATION, AND OTHER DEBRIS BY MEANS OF COMPRESSED AIR OR A POWER SWEEPER.
- (3)

TRUCK AND VEHICLE TRAFFIC SHALL NOT DRIVE ACROSS A SEALED JOINT UNTIL IT HAS DRIED SUFFICIENT TO PREVENT DAMAGE FROM TRACKING.
- (4)

THE TIMING OF APPLICATION OF JOINT SEALANT SHALL BE AS DIRECTED BY THE TDOT PROJECT ENGINEER.

SIGNALIZATION

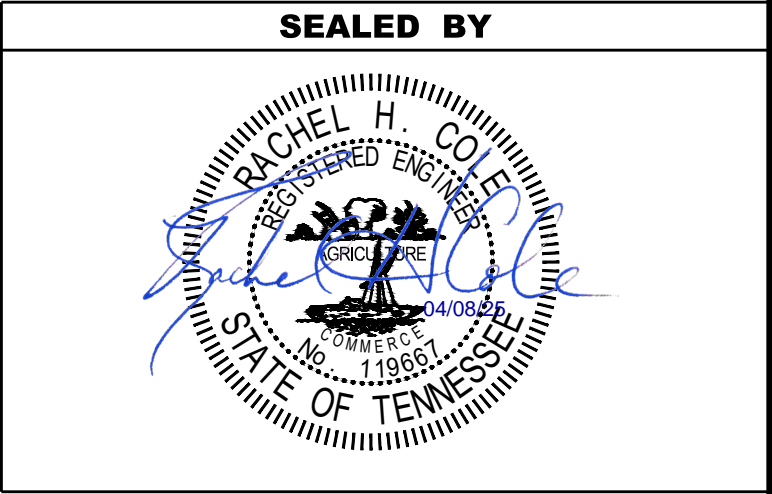
- (1)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF SIGNAL WORK WITH THE OWNER SO PROVISIONS CAN BE MADE TO PLACE THE SIGNAL ON TIMED OPERATION UNTIL THE NEW LOOPS ARE INSTALLED AND ACTIVATED.

- (2)

BEFORE CUTTING SAW SLOTS AND INSTALLING LOOP WIRES THE CONTRACTOR MUST CONTACT CITY OF CHATTANOOGA TRAFFIC OPERATIONS FOR LOCATION OF POWER SOURCE AND ANY OTHER QUESTIONS. CONTACT COREY GIVENS @ 615-715-8471 (cell) OR CARMEN HARVEY @ 423-643-5967(office).

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	2D
		33S027-F8-003	
		33S027-F3-003	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
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SPECIAL NOTES

NORFOLK SOUTHERN RAILWAY

- (1)

THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PROTECT THE NORFOLK SOUTHERN TRACK FACILITIES AND PROPERTIES FROM ANY DAMAGE. THE WORK SHALL BE DONE IN ACCORDANCE WITH REGULATIONS STIPULATED BY NORFOLK SOUTHERN SO AS TO MAINTAIN CLEARANCE AND NOT INTERRUPT TRAIN TRAFFIC IN ANY MANNER.
- (2)

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

MR. CHRIS DELGALLO-DIVISION ENGINEER
NORFOLK SOUTHERN CORPORATION
1400 NORFOLK SOUTHERN DRIVE
BIRMINGHAM, AL 35210
PHONE: (330) 663-6644
EMAIL: CHRISTOPHER.DELGALLO@NSCORP.COM

AND

MR. DOUGLAS (SHAWN) STARLING, P.E.
SENIOR ENGINEER PUBLIC IMPROVEMENTS-PA, NY, NJ, TN
NORFOLK SOUTHERN RAILROAD CORPORATION
650 WEST PEACHTREE ST NW-BOX 45
ATLANTA, GA 30308
PHONE: (470) 463-6721
EMAIL: DOUGLAS.STARLING@NSCORP.COM
- (3)

CONTRACTOR PROTECTIVE SERVICES SHALL BE ONSITE ANYTIME CONSTRUCTION ACTIVITIES ARE TAKING PLACE ON OR ADJACENT TO THE RAILROAD PROPERTY AND/OR HAVE THE POTENTIAL TO FOUL THE RAILROAD'S TRACK OR OPERATIONS. SEE SECTION 8 OF THE NORFOLK SOUTHERN SPECIAL PROVISIONS FOR PROTECTION OF RAILWAY INTERESTS DIRECT HIRE FOR ADDITIONAL CLARIFICATIONS AND REQUIREMENTS REGARDING CONTRACTOR PROTECTIVE SERVICES.
- (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, ARROW BOARDS 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)

ALL WORK ON, OVER, UNDER, OR ADJACENT TO NORFOLK SOUTHERN RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE NORFOLK SOUTHERN SPECIAL PROVISIONS. SEE AGREEMENT/STATE CONTRACT SPECIAL PROVISION 105C REGARDING FLAGGING RULES AND COSTS THEREOF, INSURANCE REQUIREMENTS, AND NORFOLK SOUTHERN SPECIAL PROVISIONS.

- #736803S ROSSVILLE BLVD (SR027), LM 7.34, IN CHATTANOOGA,
LAT: 34.992631, LONG: -85.290351

(1)

REMOVE THE EXISTING ADVANCE WARNING SIGN (W10-1) ON THE SOUTH-BOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 60 FEET IN ADVANCE OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-1) ON THE SOUTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) ADJACENT TO THE NEW RXR PAVEMENT MARKING LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWINGS 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 FIGURES 8B-4 AND 8B-6. INSTALL A 2-INCH-WIDE YELLOW RETROREFLECTIVE STRIP ON THE FRONT OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.

(2)

INSTALL NEW RXR PAVEMENT MARKINGS ON THREE LANES (INCLUDES THE MIDDLE TURNING LANE) ON THE SOUTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AND ADJACENT TO THE NEW ADVANCED WARNING SIGN (W10-1) AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND IN ACCORDANCE WITH MUTCD SECTION 8B.27 AND FIGURES 8B6 AND 8B-7.

(3)

INSTALL NEW STOP LINES ON THE THREE LANES (INCLUDES THE MIDDLE TURNING LANE) ON THE SOUTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 8 FEET IN ADVANCE OF THE CANTILEVER 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.

(4)

INSTALL NEW STOP LINES ON THE THREE LANES (INCLUDES THE MIDDLE TURNING LANE) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 8 FEET IN ADVANCE OF THE CANTILEVER 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.

(5)

REMOVE THE EXISTING ADVANCE WARNING SIGN (W10-1) ON THE NORTH-BOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 80 FEET IN ADVANCE OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-1) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) ADJACENT TO THE NEW RXR PAVEMENT MARKING LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWINGS 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 FIGURES 8B-4 AND 8B-6. INSTALL A 2-INCH-WIDE YELLOW RETROREFLECTIVE STRIP ON THE FRONT OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.

(6)

INSTALL NEW RXR PAVEMENT MARKINGS ON THREE LANES (INCLUDES THE MIDDLE TURNING LANE) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AND ADJACENT TO THE NEW ADVANCED WARNING SIGN (W10-1) AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-1 AND IN ACCORDANCE WITH MUTCD SECTION 8B.27 AND FIGURES 8B-6 AND 8B-7.

(7)

INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-4) ON THE WESTBOUND APPROACH ON 44TH ST E (0A906) LOCATED APPROXIMATELY 200 FEET IN ADVANCE OF THE INTERSECTION WITH ROSSVILLE BLVD (SR027) 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.

(8)

INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-4) ON THE WESTBOUND APPROACH ON 6TH AVE (0A932) LOCATED APPROXIMATELY 200 FEET IN ADVANCE OF THE INTERSECTION WITH ROSSVILLE BLVD (SR027) 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.
- #736828M E 32ND ST (0A958), LM 0.041, IN CHATTANOOGA,
LAT: 35.007336, LONG: -85.295325

(1)

THIS PUBLIC AT-GRADE CROSSING IS OUTSIDE THE ZONE OF INFLUENCE FOR THIS PROJECT; THEREFORE, NO ADDITIONAL WORK IS NEEDED AT THE CROSSING FOR COMPLIANCE WITH 23 CFR 646.214(B)(2).

#736830N E 30TH ST (0A967), LM 0.092, IN CHATTANOOGA,
LAT: 35.009975, LONG: -85.295538

(1)

THIS PUBLIC AT-GRADE CROSSING IS OUTSIDE THE ZONE OF INFLUENCE FOR THIS PROJECT; THEREFORE, NO ADDITIONAL WORK IS NEEDED AT THE CROSSING FOR COMPLIANCE WITH 23 CFR 646.214(B)(2).

SEALED BY

NORFOLK SOUTHERN

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
NOTES

SPECIAL NOTES

CHATTOOGA AND CHICKAMAUGA RAILWAY

- (1)

THE CONTRACTOR SHALL NOT, FOR ANY REASON, STORE CONSTRUCTION EQUIPMENT UPON NOR STORE OR DUMP WASTE CONSTRUCTION MATERIALS UPON THE RAILROAD’S RIGHT-OF-WAY.
- (2)

THE CONTRACTOR IS PROHIBITED FROM INSTALLING ANY CONSTRUCTION SIGNS, MESSAGE BOARDS, ARROW BOARDS AND/OR OTHER TEMPORARY TRAFFIC CONTROL SIGNS OR DEVICES WITHIN THE RAILROAD’S RIGHT-OF-WAY, AND IN ALL CASES, THESE SIGNS MUST NEVER BE PLACED IN A POSITION SO AS TO OBSTRUCT THE VIEW OF ANY ADVANCED RAILROAD WARNING SIGNS OR ANY OTHER RAILROAD GRADE CROSSING WARNING DEVICES SUCH AS CROSSBUCK SIGNS, CROSSING SIGNALS, ETC.
- (3)

THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PROTECT THE RAILROAD’S TRACK FACILITIES AND PROPERTY FROM DAMAGE AND ANY WORK BY THE CONTRACTOR WITHIN 25 FEET OF THE RAILROAD’S R.O.W. WILL REQUIRE THE PRESENCE AND PERMISSION OF AN AUTHORIZED RAILROAD WATCHMAN.
- (4)

SEE STATE CONTRACTOR/RR AGREEMENT SPECIAL PROVISION 105C(SL)(R) TO SET UP FLAGGING SERVICES AND SUBMIT FOR INSURANCE REQUIRED FOR WORK AT OR NEAR THE RAILROAD GRADE CROSSINGS.
- (5)

THE CONTRACTOR SHALL COORDINATE HIS WORK AT THE RAILROAD CROSSING WITH THE FOLLOWING REPRESENTATIVE OF THE RAILROAD:

MR. DONNIE OWENS, GENERAL MANAGER
CHATTOOGA AND CHICKAMAUGA RAILWAY
413 WEST VILLANOW STREET
LAFAYETTE, GA 30728
PHONE: (423) 605-0991

#736805F E 50TH ST (0A902), LM 0.009, IN CHATTANOOGA, LAT: 34.985500, LONG: -85.287921

- (1)

THIS PUBLIC AT-GRADE CROSSING IS OUTSIDE THE ZONE OF INFLUENCE FOR THIS PROJECT; THEREFORE, NO ADDITIONAL WORK IS NEEDED AT THIS CROSSING FOR COMPLIANCE WITH 23 CFR 646.214(B)(2). HOWEVER, PLEASE NOTE THAT IF RESURFACING ACTIVITIES EXTEND MORE THAN 50 FEET WEST ONTO E 50TH ST, THIS CROSSING WILL FALL WITHIN THE ZONE OF INFLUENCE FOR THE PROJECT AND, THEREFORE, WILL REQUIRE FURTHER REVIEW.

#736806M E 49TH ST (0A882), LM 0.000, IN CHATTANOOGA, LAT: 34.986731, LONG: -85.288391

- (1)

REMOVE THE EXISTING ADVANCE WARNING SIGN (W10-1) ON THE EASTBOUND APPROACH ON E 49TH ST (0A882) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-1) ON THE EASTBOUND APPROACH ON E 49TH ST (0A882) ADJACENT TO THE EXISTING RXR PAVEMENT MARKING LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWINGS T-RR-6 AND T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2C.05 AND 8B.06, TABLES 2C-4 AND 8B-1, AND FIGURES 8B-4 AND 8B-6. INSTALL A 2-INCH-WIDE YELLOW RETROREFLECTIVE STRIP ON THE FRONT OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.
- (2)

REFRESH THE EXISTING RXR PAVEMENT MARKINGS ON THE EASTBOUND APPROACH ON E 49TH ST (0A882) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AND ADJACENT TO THE NEW ADVANCED WARNING SIGN (W10-1) AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-6 AND IN ACCORDANCE WITH MUTCD SECTION 8B.27 AND FIGURES 8B-6 AND 8B-7.

- (3)

REMOVE ONE OF THE TWO EXISTING PASSIVE SIGN ASSEMBLIES ON THE EASTBOUND APPROACH ON E 49TH ST (0A882). THE PASSIVE SIGN ASSEMBLY TO BE REMOVED IS THE ASSEMBLY THAT DOES NOT HAVE THE ENS SIGN AS WELL AS THE 2-INCH-WIDE WHITE RETROREFLECTIVE STRIP ON THE FRONT OF THE SIGNPOST NOR THE 2-INCH-WIDE WHITE RETROREFLECTIVE STRIP ON THE BACK OF THE SIGNPOST. THIS SIGN ASSEMBLY INCLUDES ONE (1) CROSSBUCK SIGN (R15-1) AND ONE (1) YIELD SIGN (R1-2).
- (4)

INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-2) ON THE SOUTHBOUND APPROACH ON ENGLISH AVE (0A901) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 49TH ST (0A882) 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.
- (5)

REMOVE THE EXISTING HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-3) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 49TH ST (0A882). INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-3) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 49TH ST (0A882) 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.
- (6)

REMOVE THE EXISTING HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-3) ON THE SOUTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 49TH ST (0A882). INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-3) ON THE SOUTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 49TH ST (0A882) 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.

#736807U E 48TH ST (0A886), LM 0.333, IN CHATTANOOGA, LAT: 34.987646, LONG: -85.288714

- (1)

REMOVE THE EXISTING ADVANCE WARNING SIGN (W10-1) ON THE EASTBOUND APPROACH ON E 48TH ST (0A882) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-1) ON THE EASTBOUND APPROACH ON E 48TH ST (0A882) ADJACENT TO THE EXISTING RXR PAVEMENT MARKING LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AS SPECIFIED BY TDOT STANDARD DRAWINGS T-RR-6 AND T-S-16 AND IN ACCORDANCE WITH MUTCD SECTIONS 2C.05 AND 8B.06, TABLES 2C-4 AND 8B-1, AND FIGURES 8B-4 AND 8B-6. INSTALL A 2-INCH-WIDE YELLOW RETROREFLECTIVE STRIP ON THE FRONT OF THE SIGNPOST IN ACCORDANCE WITH MUTCD SECTION 2A.21.
- (2)

REFRESH THE EXISTING RXR PAVEMENT MARKINGS ON THE EASTBOUND APPROACH ON E 48TH ST (0A886) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING AND ADJACENT TO THE ADVANCED WARNING SIGN (W10-1) AS SPECIFIED BY TDOT STANDARD DRAWING T-RR-6 AND IN ACCORDANCE WITH MUTCD SECTION 8B.27 AND FIGURES 8B-6 AND 8B-7.

- (3)

INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-2) ON THE SOUTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 48TH ST (0A886) 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.
- (4)

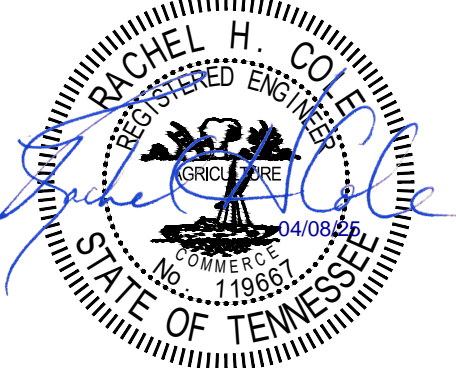
REMOVE THE EXISTING HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-2) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 200 FEET IN ADVANCE OF THE INTERSECTION WITH E 48TH ST (0A886). INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-2) ON THE NORTHBOUND APPROACH ON ROSSVILLE BLVD (SR027) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 48TH ST (0A886) 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.
- (5)

INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-2) ON THE SOUTHWEST BOUND APPROACH ON DODDS AVE (03557) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH E 48TH ST (0A886) 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.
- (6)

REMOVE THE EXISTING ADVANCE WARNING SIGN (W10-1) ON THE WESTBOUND APPROACH ON E 48TH ST (0A882) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE CROSSING. INSTALL ONE (1) NEW HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING SIGN (W10-2) ON THE WESTBOUND APPROACH ON E 48TH ST (0A882) LOCATED APPROXIMATELY 150 FEET IN ADVANCE OF THE INTERSECTION WITH ROSSVILLE BLVD (SR027) 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	2D2
		33S027-F8-003	
		33S027-F3-003	

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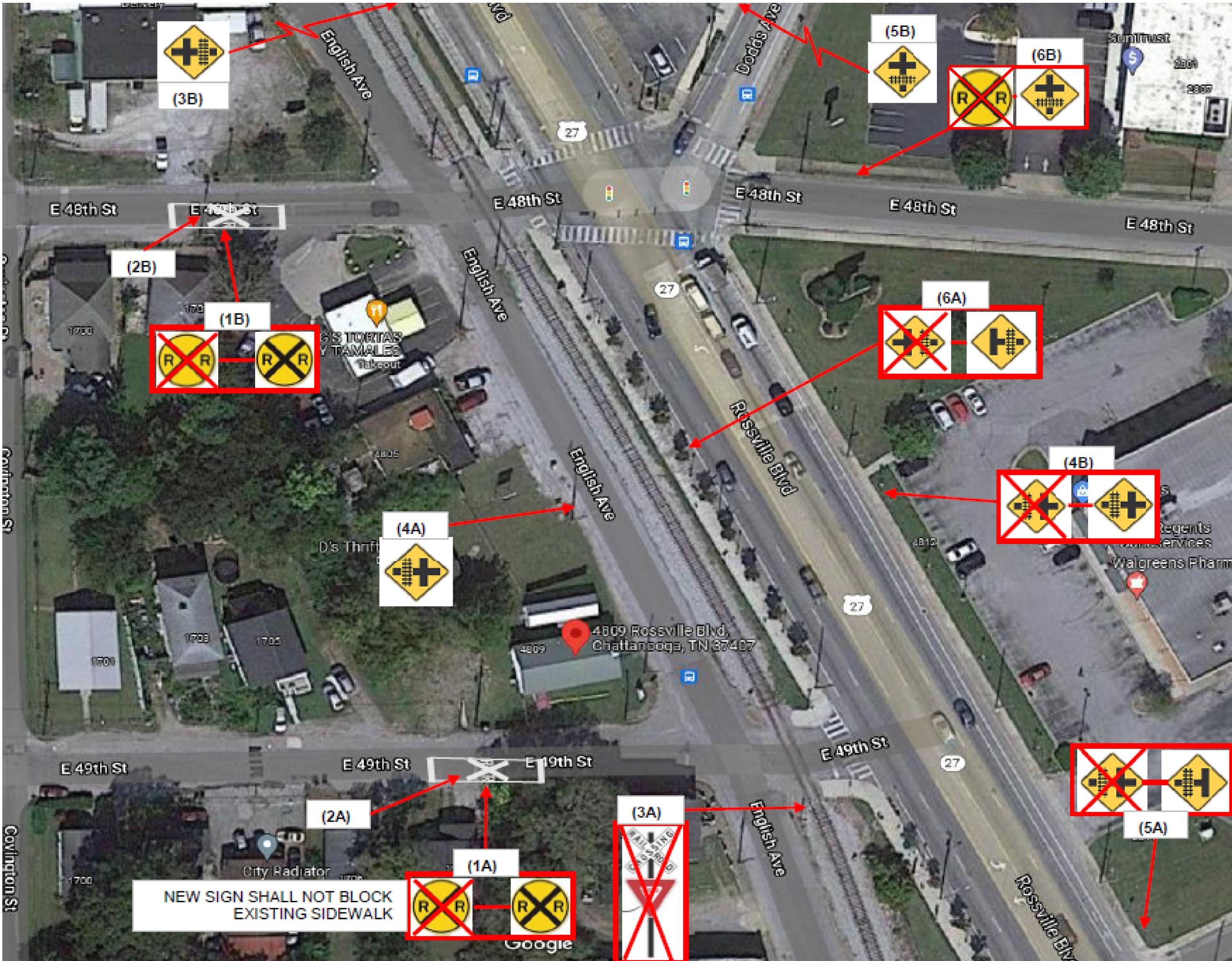


CHATTOOGA AND CHICKAMAUGA

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

SPECIAL NOTES (CONTINUED)



#736809H WORKMAN RD (03614), LM 1.920, IN CHATTANOOGA,
LAT: 34.990341, LONG: -85.291491

- (1) THIS PUBLIC AT-GRADE CROSSING IS OUTSIDE THE ZONE OF INFLUENCE FOR THIS PROJECT; THEREFORE, NO ADDITIONAL WORK IS NEEDED AT THE CROSSING FOR COMPLIANCE WITH 23 CFR 646.214(B)(2).

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	203
		33S027-F8-003	
		33S027-F3-003	

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CHATTOOGA AND
CHICKAMAUGA

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.

SCOPE OF WORK

- (6)MILLING, PAVING, AND PAVEMENT MARKINGS.

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.

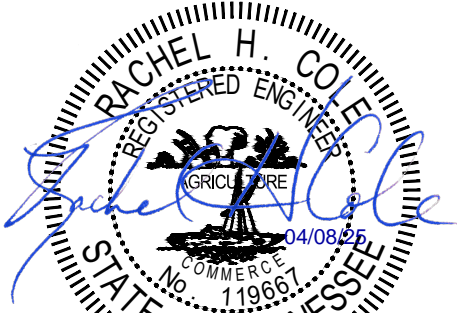
- (39)DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (40)WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL 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.

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	NH/HSIP-27(56)	2E
		33S027-F8-003	
		33S027-F3-003	

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	2F
		33S027-F8-003	
		33S027-F3-003	

TRAFFIC CONTROL SIGN TABULATION (RESURFACING)					
M.U.T.C.D. SIGN NO.	LEGEND \ DESCRIPTION	SIZE IN INCHES L x W	S.F.	TOTAL NUMBER REQUIRED	ITEM NO. 712-06 S.F.
G20-1	ROAD WORK NEXT 3 MILES	48" X 24"	8	2	16
G20-2	END ROAD WORK	48" X 24"	8	51	408
W4-2L	LANE ENDS (LT)	48" X 48"	16	2	32
W4-2R	LANE ENDS (RT)	48" X 48"	16	2	32
W8-11	UNEVEN LANES	48" X 48"	16	6	96
W8-15	GROOVED PAVEMENT	48" X 48"	16	6	96
W8-15P	MOTORCYCLE (PLAQUE)	24" X 18"	3	6	18
W20-1	ROAD WORK AHEAD	48" X 48"	16	51	816
W20-1	ROAD WORK 1 MILE	48" X 48"	16	2	32
W20-1	ROAD WORK 1/2 MILE	48" X 48"	16	2	32
W20-1	ROAD WORK 1000 FT	48" X 48"	16	2	32
W20-5L	LEFT LANE CLOSED 1/2 MILE	48" X 48"	16	2	32
W20-5L	LEFT LANE CLOSED 1500 FEET	48" X 48"	16	2	32
W20-5R	LEFT LANE CLOSED 1/2 MILE	48" X 48"	16	2	32
W20-5R	LEFT LANE CLOSED 1500 FEET	48" X 48"	16	2	32
W21-2	FRESH OIL	48" X 48"	16	2	32
TOTAL				1770	

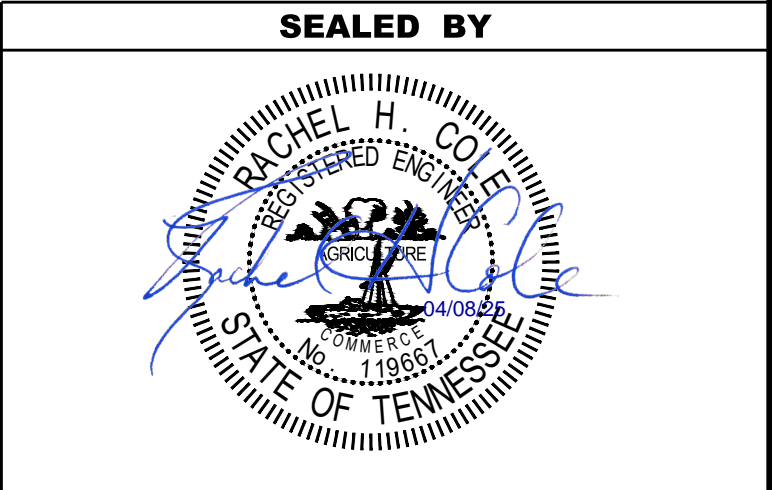
SEE FIGURE 6F-1 OF FIGURES SHOWN IN CURRENT M.U.T.C.D. THIS CONSTRUCTION SIGNING IS TO BE CONSTRUCTED AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

UTILITY ADJUSTMENTS (BY OTHERS)		
TYPE	OWNER	NUMBER
MANHOLE (SEWER)	CITY OF CHATTANOOGA	48
WATER VALVES	CITY OF CHATTANOOGA	8

STORM DRAIN ADJUSTMENTS (RESURFACING)	
CATCH BASINS	AREA DRAINS
89	11
TOTALS	
100	

BRIDGE DECK RECOMMENDATIONS (RESURF.)
NO BRIDGES WITHIN PROJECT LIMITS

PROPOSED GUARDRAIL (RESURFACING)
NO GUARDRAIL WITHIN PROJECT LIMITS



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED
QUANTITIES

UTILITY

- (1)

THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER “THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT”, THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT.
- (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

CABLE:
COMCAST (XFINITY)
2030 EAST POLYMER DRIVE
CHATTANOOGA, TN 37421
CONTACT: TIM GREGORY
OFFICE PHONE: (706) 252-4185
Email: tim_gregory@comcast.com

ELECTRIC:
ELECTRIC POWER BOARD OF CHATTANOOGA
PO BOX 182255
CHATTANOOGA, TN 37422
CONTACT: ADAM NORWOOD
OFFICE PHONE: (423) 483-3305
Email: norwoodaw@epb.net

ELECTRIC:
TENNESSEE VALLEY AUTHORITY
1101 MARKET ST MR-4G
CHATTANOOGA, TN 37402
CONTACT: STEPHEN WILLIAMS
OFFICE PHONE: (865) 632-2101
Email: sewilliams@tva.gov

FIBER OPTICS:
ZAYO GROUP (AMERICAN FIBER SYSTEMS)
209 10TH AVENUE, SUITE 105
NASHVILLE, TN 37203
CONTACT: AMBER BELL
OFFICE PHONE: (423) 902-2075
Email: Amber.bell@zayo.com

GAS:
CHATTANOOGA GAS COMPANY (SOUTHER CO-ATLANTA GAS)
PO BOX 4569
ATLANTA, GA 30302-4569
CONTACT: BRANDON PLANS
OFFICE PHONE: (404) 584-3915
Email: bstephen@southernco.com

SEWER:
CITY OF CHATTANOOGA
1250 MARKET STREET, SUITE 2100
CHATTANOOGA, TN 37402-2713
CONTACT: DENNIS MALONE
OFFICE PHONE: (423) 643-6188
Email: dmalone@chattanooga.gov

TELEPHONE:
BELLSOUTH dba AT&T
300 E MARTIN LUTHER KING BOULEVARD
CHATTANOOGA, TN 37403
CONTACT: JOE PERREL
OFFICE PHONE: (423) 266-1566
Email: Jp1389@att.com

WATER:
WALDEN’S RIDGE UTILITY DISTRICT
3900 TAFT HIGHWAY
SIGNAL MOUNTAIN, TN 37377
CONTACT: MELISSA REED
OFFICE PHONE: (423) 886-2683
Email: Melissa.wrud@epbfi.com

SEWER:
CITY OF RED BANK
3117 DAYTON BOULEVARD
RED BANK, TN 37415
CONTACT: HOLLIE BERRY
OFFICE PHONE: (423) 877-1103
Email: hberry@redbanktn.gov

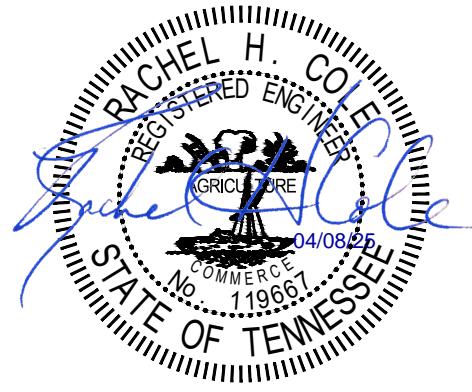
WATER:
TENNESSEE AMERICAN WATER COMPANY

1500 RIVERSIDE DRIVE
CHATTANOOGA, TN 37406
CONTACT: JON SPARKMAN
OFFICE PHONE: (423) 681-4206
Email: jon.sparkman@amwater.com

FIBER OPTICS:
AT&T
360 GEES MILL BUSINESS PARKWAY
CONYERS, GA 30013
CONTACT: TRINA IVEY
OFFICE PHONE: (678) 641-5522
Email: ki2863@att.com

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	3
		33S027-F8-003	
		33S027-F3-003	

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.

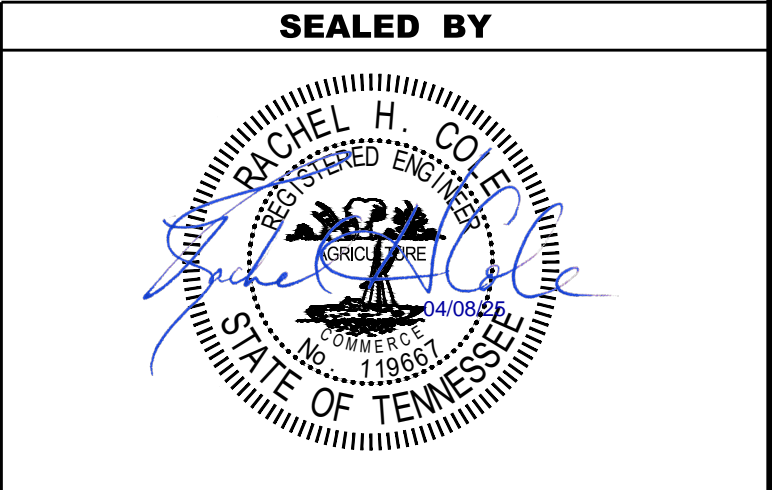
(2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	T1
		33S027-F8-003	
		33S027-F3-003	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE
DROP-OFF NOTES
FOR
TRAFFIC CONTROL

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CITY OF CHATTANOOGA
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

ADMINISTRATOR:
W.R. PITCAIRN, IV
CITY ENGINEER:
WILLIAM C. PAYNE, P.E.

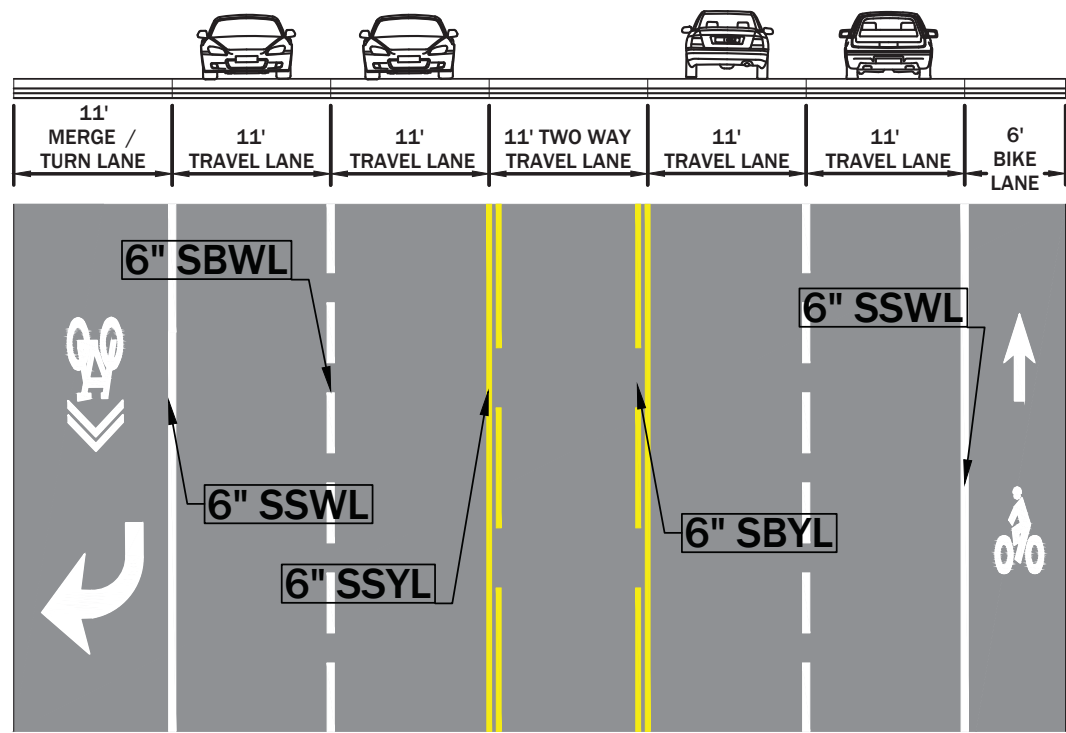
ROSSVILLE BLVD
CITY OF CHATTANOOGA DEPT. OF PUBLIC WORKS
DIVISION OF TRANSPORTATION
1250 MARKET ST., SUITE 3030
CHATTANOOGA, TN 37402

SECTION

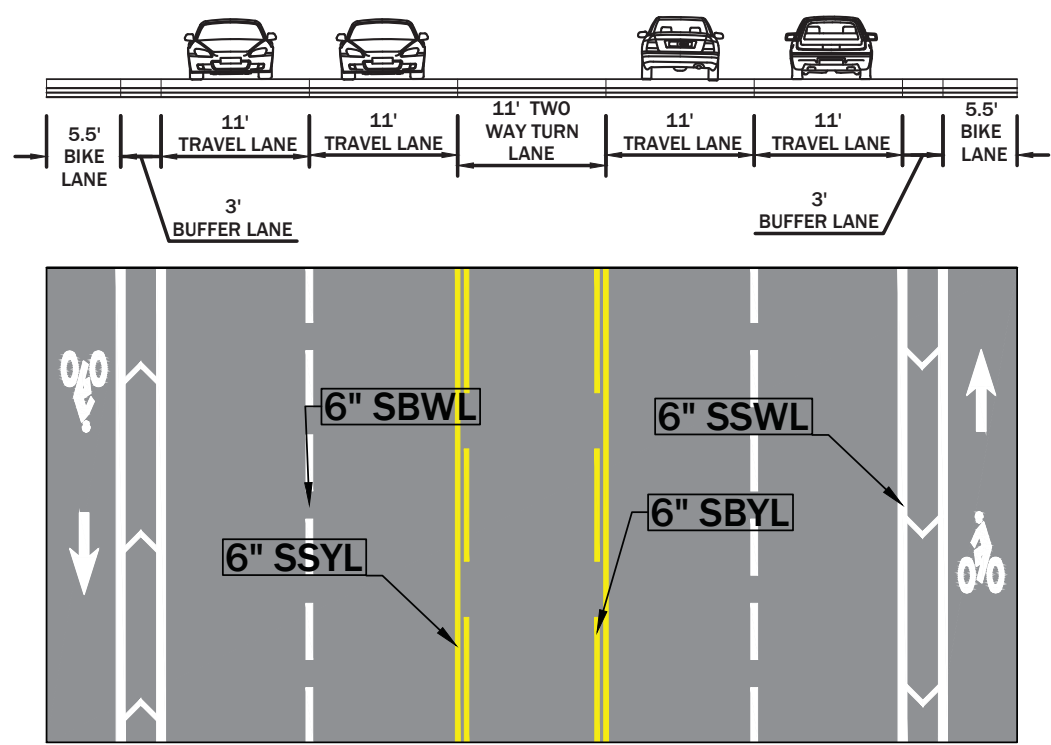
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DRAWN:	ASB
CHECKED:	CHATT
REVISIONS	
1	04/3/2025
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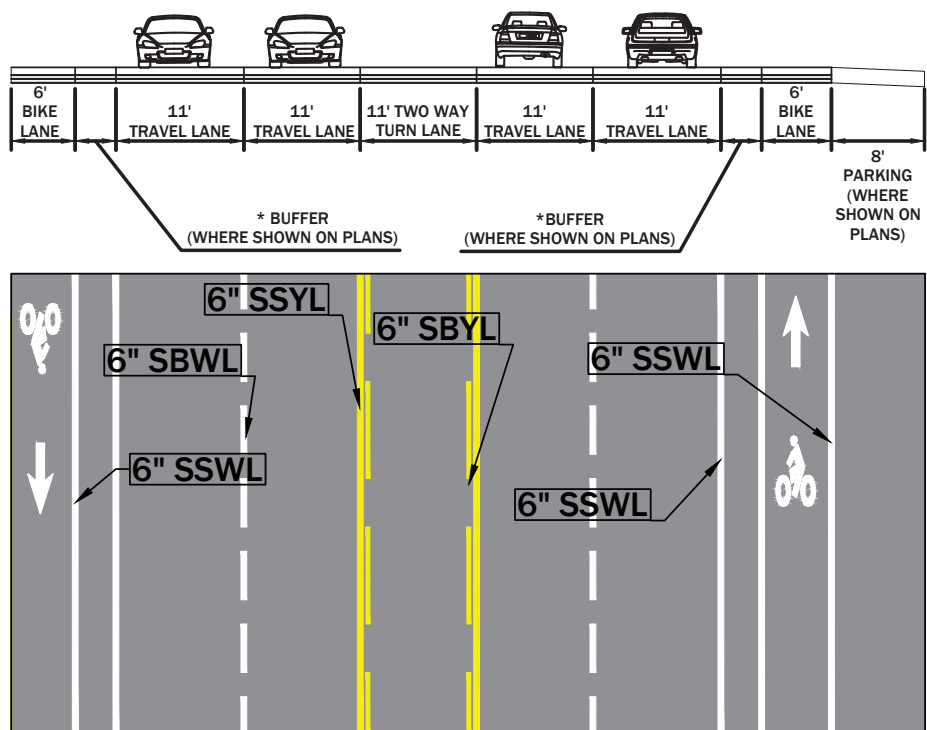
SECTION VIEW A:
I-24 TO E 28TH STREET



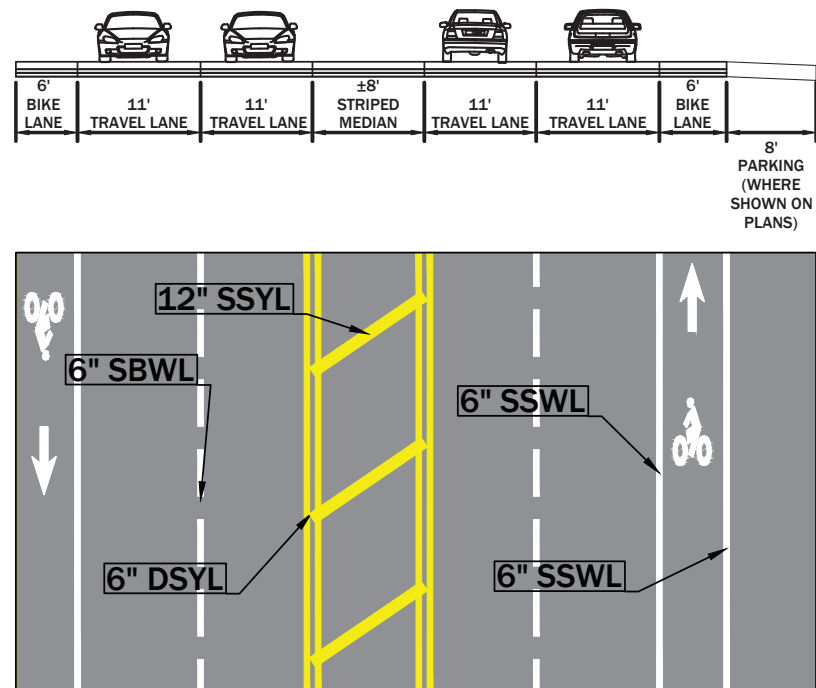
SECTION VIEW B:
E 28TH STREET TO E 47TH STREET



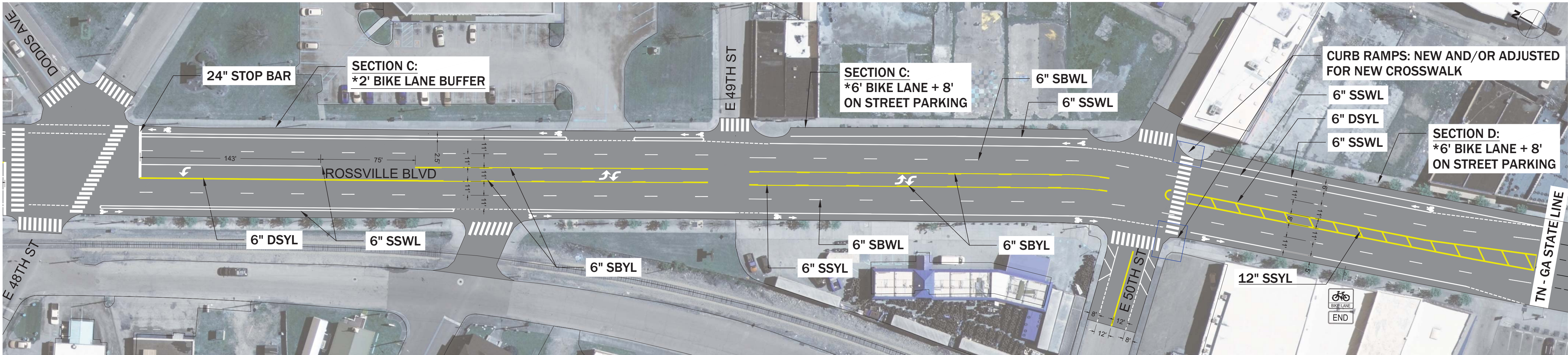
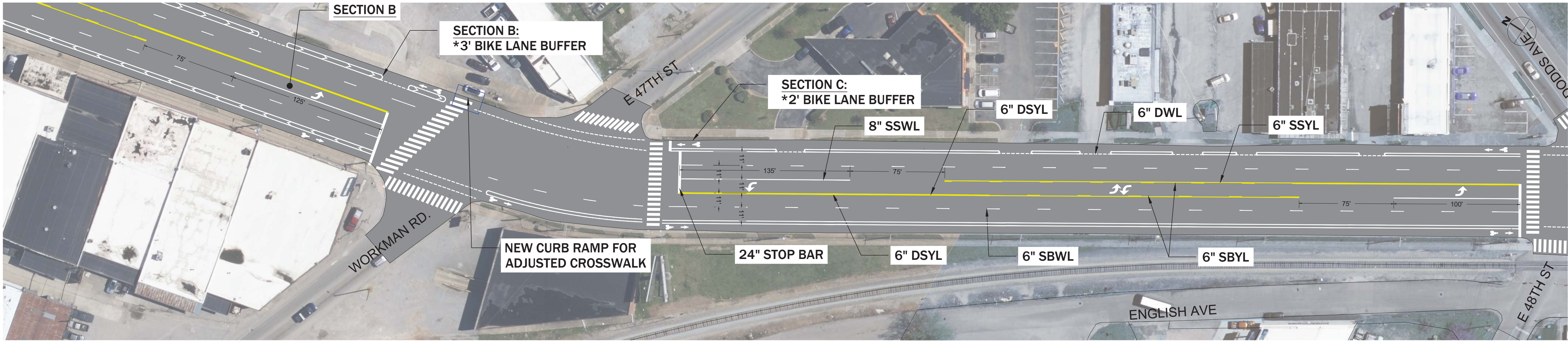
SECTION VIEW C:
E 47TH STREET TO 50TH ST



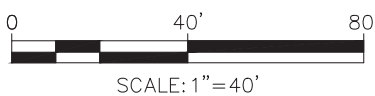
SECTION VIEW D:
E 50TH STREET TO STATE LINE



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NOTE:
INSTALL MONO-DIRECTIONAL(716-01.21) MARKERS AND
BI-DIRECTIONAL(716-01.23) MARKERS. THESE SHALL BE
SNOWPLOWABLE AND CONFORM TO COLOR AND PLACEMENT
AS SHOWN ON T.D.O.T. STANDARD DRAWING T-M-1.



CITY OF CHATTANOOGA
DEPARTMENT OF
PUBLIC WORKS
ENGINEERING
DIVISION

ADMINISTRATOR:
W.R. PITCAIRN, IV
CITY ENGINEER:
WILLIAM C. PAYNE, P.E.

ROSSVILLE BLVD
CITY OF CHATTANOOGA DEPT. OF PUBLIC WORKS
DIVISION OF TRANSPORTATION
1250 MARKET ST., SUITE 3030
CHATTANOOGA, TN 37402

PLAN

DATE:	03/18/2025
DRAWN:	ASB
CHECKED:	CHATT
REVISIONS	
1	03/28/2025
2	04/3/2025
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TN REGISTRATION NO. 124701

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