



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Andrew Parr
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Date: 2026.01.27 09:28:16-05'00'

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ARCADIS U.S. INC.
1210 PREMIER DRIVE, SUITE 200
CHATTANOOGA, TN 37421

ANDREW PARR, P.E. NO. 121197

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN2
TITLE SHEET	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND STANDARD TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2

YEAR	PROJECT NO.	SHEET NO.
2026	STP-NH/HSIP-1(481)	ROADWAY-SIGN2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

KNOX COUNTY

SR-1 (US-11W):
FROM NEAR HISTORIC PRESERVATION DRIVE
TO SR-168

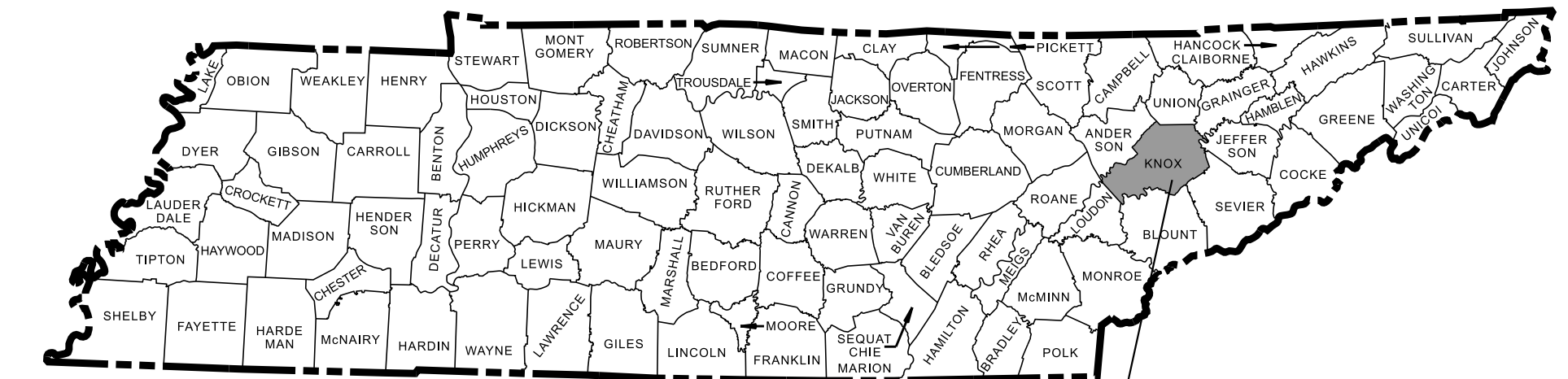
RESURFACE & SAFETY Mill & 411D AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 1 F.A.H.S. NO. US-11W

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

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	STP-NH/HSIP-1(481)	
STATE PROJ. NO.	47S001-F8-006; 47S001-F3-006; 47S001-F3-009	

REV. 01/26/26 : ADDED PROJECT NUMBER 47S001-F3-009 TO TITLE BLOCK AND BEGIN PROJECT AND END PROJECT FLAGS.

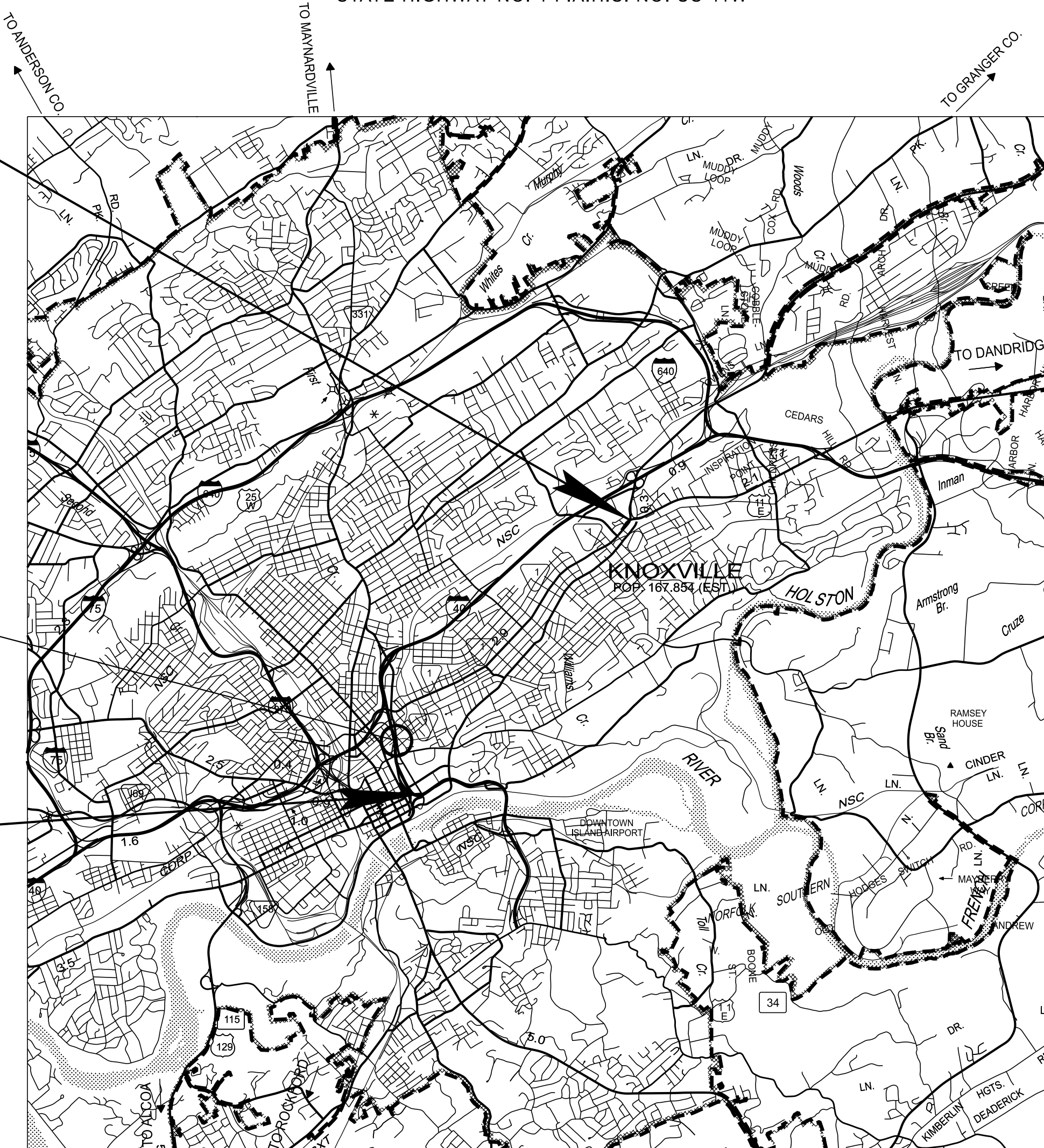


KNOX COUNTY SR-1
BRIDGE ID. # 47056660001, 47SR0010031, 47SR0010033

47S001-F8-006
47S001-F3-006
47S001-F3-009
END PROJECT NO. STP-NH/HSIP-1(481) RESURFACE & SAFETY
LM 24.21

NORFOLK SOUTHERN CORP. (INC)
R/R UNDER PASS CROSSING #730594R
LAT 35.972810, LONG -83.916213
MP 130.40-A BRIDGE ID. # 47056660001,
L.M. 21.09

47S001-F8-006
47S001-F3-006
47S001-F3-009
BEGIN PROJECT NO. STP-NH/HSIP-1(481) RESURFACE & SAFETY
LM 20.41



EXCLUSIONS	
L.M. TO L.M.	LENGTH (FT.)
21.96 - 22.20	1267.20
TOTAL =	1267.20

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 : ERIC WILSON, P.E.

DESIGN FIRM : ARCADIS US, INC.

DESIGNER : ADAM GRAVITT

CHECKED BY JOHN REHM, P.E.

P.E. NO. 98013-4203-04 (DESIGN)

PIN NO. 130414.00

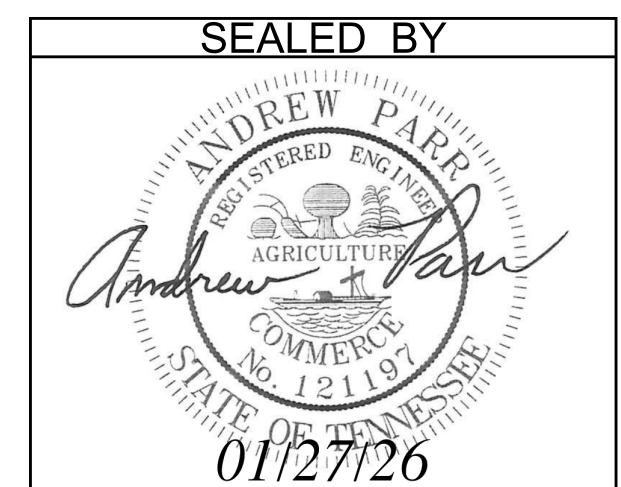
SCALE: 1"= 5280'



PROJECT LENGTH 3.80 MILES
TOTAL LANE MILES RESURFACED 16.91 MILES

TRAFFIC COUNTER & WEATHER STATIONS	
STATION LOCATION	L.M. 22.35
STATION LOCATION	L.M. 23.86

TRAFFIC DATA	
ADT (2026)	12840
POSTED SPEED	
L.M. 20.41 - L.M. 20.86	35 MPH
L.M. 20.86 - L.M. 21.28	45 MPH
L.M. 21.28 - L.M. 22.06	35 MPH
L.M. 22.06 - L.M. 24.21	45 MPH



APPROVED:
SHANE HESTER, P.E. CHIEF ENGINEER

DATE:

APPROVED:
WILL REID, P.E. COMMISSIONER

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
SIGNATURE SHEET	ROADWAY-SIGN2
TITLE SHEET	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND STANDARD TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
TYPICAL SECTIONS	2B1
GENERAL NOTES	2C
SPECIAL NOTES	2D, 2D1
ENVIRONMENTAL NOTES	2E
EROSION PREVENTION AND SEDIMENT CONTROL NOTES	2E1
TABULATED QUANTITIES	2F
UTILITY NOTES AND UTILITY OWNERS	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL	T1
*SR 1 AT HALL OF FAME DRIVE INTERSECTION REFERENCE DRAWING	R1
**CURB RAMP REFERENCE SHEETS	33-46

NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS

*REFERENCE SHEETS PROVIDED BY OTHERS.

**REFERENCE SHEETS ARE FROM CURB CONTRACT, PIN 134144.02 PROVIDED BY OTHERS.

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

STANDARD ROADWAY DRAWINGS

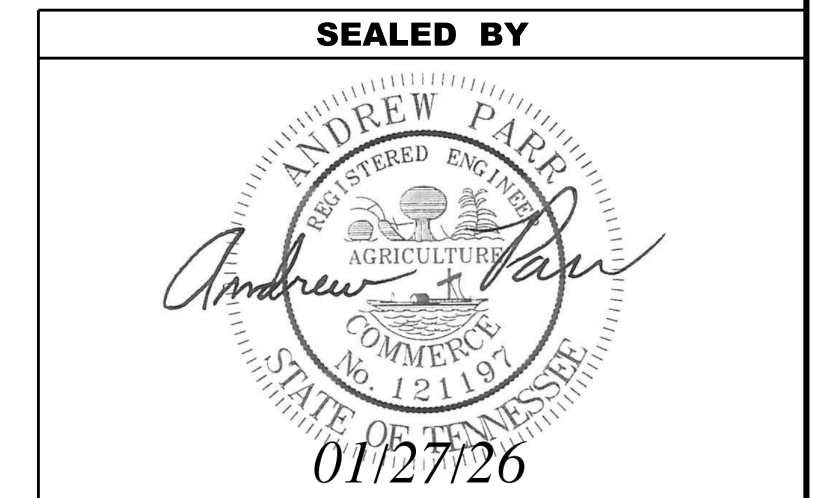
DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
ROADWAY DESIGN STANDARDS		
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD11-SE-3		SUPERELEVATION TRANSITION DETAILS FOR DIVIDED ROADWAYS
RD11-SE-3A		SUPERELEVATION TRANSITION SECTIONS FOR DIVIDED ROADWAYS
RD11-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAYS

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
SIGNALS		
T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-13	12-18-25	FLASHING BEACON DETAIL
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	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-26-25	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-16	03-26-25	LANE SHIFT FOR DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	STP-NH/HSIP-1(481)	1A

REV. 01/26/26 : ADDED SHEET ROADWAY-SIGN2 TO ROADWAY INDEX. ADDED STD. DWG. T-SG-13 UNDER SIGNALS SECTION.



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	STP-NH/HSIP-1(481)	2

REV. 01/26/26 : ADDED COLUMN UNDER PROJECT NUMBER 47S001-F3-009. ADDED ITEM NUMBER 716-50.20. MOVED ITEM NUMBER 716-04.21 TO COLUMN UNDER PROJECT NUMBER 47S001-F3-009. ADDED FOOTNOTE NUMBER (16).

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	TOTAL QUANTITY
			47S001-F8-006	47S001-F3-006	47S001-F3-009	NON-PARTICIPATING	
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	10				10
	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	58				58
(2)	411-02.10 ACS MIX(PG70-22) GRADING D	TON	8014				8014
(3)(4)(5)(6)	411-33.34 STAMPED ASPHALT PATTERN	S.F.				5600	5600
(7)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	7942				7942
	712-01 TRAFFIC CONTROL	LS	1				1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	175				175
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	88				88
(8)	712-06 SIGNS (CONSTRUCTION)	S.F.	1513				1513
	712-08.03 ARROW BOARD (TYPE C)	EACH	2				2
(4)(9)(10)	716-02.03 PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.				705	705
(9)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		103			103
(9)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		28			28
(9)(10)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		4895			4895
(9)	716-02.11 PLASTIC PAVEMENT MARKING (6" DOTTED LINE)	L.F.		32061			32061
(9)	716-03.05 PLASTIC WORD PAVEMENT MARKING (BIKE LANE)	EACH		11			11
(9)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH		2			2
(9)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.		2			2
(9)	716-04.13 PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH		26			26
(4)(11)	716-04.21 GREEN TEXTURED BIKE LANE	S.Y.			173		173
(12)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	18				18
(13)	716-13.02 SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	22				22
	717-01 MOBILIZATION	LS	1				1
(4)(14)(15)	730-13.02 VEHICLE DETECTOR (VIDEO)	EACH				2	2
	730-14.02 SAW SLOT	L.F.	28000				28000
	730-14.03 LOOP WIRE	L.F.	56000				56000
(16)	730-50.20 RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (SOLAR POWERED)	EACH			1		1

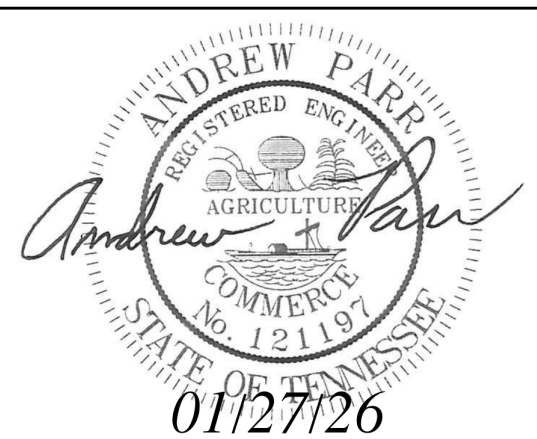
FOOTNOTES

- (1) INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET NO. 2C, FINAL PAVEMENT MARKING NOTE (6) FOR MORE INFORMATION.
- (2) INCLUDES 192 TONS FOR TURN LANES, AND 390 TONS FOR COUNTY ROADS AND CITY ROADS.
- (3) TO BE USED IN CONJUNCTION WITH TRANSVERSE CROSS-WALK MARKINGS. SPECIAL PAVERS ARE TO BE DESIGNED TO MEET PAVEMENT DESIGN SCHEDULE AND DESIGN LOADING. ON STATE ROUTES, DETAILS SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT.
- (4) TO BE PAID FOR BY KNOX COUNTY.
- (5) THE ARCHITECTURAL PAVEMENT MATERIALS SHALL PROVIDE A SMOOTH, WITHOUT JOINT, WALKABLE/RIDEABLE, STABLE, FIRM AND SLIP-RESISTANT SURFACE PER ADA STANDARDS.
- (6) FOR STAMPED CROSSWALKS AT INTERSECTIONS WITH JESSAMINE ST. (L.M. 21.57), WINONA ST. (L.M. 21.71), AND N BERTRAND ST. (L.M. 21.96).
- (7) INCLUDES 191 TONS FOR TURN LANES, AND 387 TONS FOR COUNTY ROADS AND CITY ROADS.
- (8) SEE SHEET NUMBER 2F FOR TRAFFIC CONTROL SIGN TABULATION. THE CONSTRUCTION SIGNING IS TO BE A MINIMUM. OTHER SIGNS MAY BE REQUIRED AS DIRECTED BY THE TDOT MANAGER.
- (9) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
- (10) SEE SHEET 2F AND CURB RAMP REFERENCE SHEETS 33-46 FOR ADDITIONAL DETAILS AND INFORMATION.
- (11) INCLUDES 73 S.Y. FOR BIKE LANE AND 100 S.Y. FOR BIKE CROSS WALKS. SEE SHEET R1 FOR ADDITIONAL DETAILS AND INFORMATION.
- (12) TO BE USED FOR TEMPORARY STRIPING DURING THE MILLING OPERATION. NO PAYMENT WILL BE MADE FOR TEMPORARY STRIPING DURING PLACEMENT OF THE FINAL SURFACE (ON EITHER EXISTING SURFACE OR FINAL) COURSE DUE TO THE CONTRACTOR'S METHODS OF CONSTRUCTION.
- (13) QUANTITY INCLUDES PAVEMENT MARKINGS FOR BIKE LANES.
- (14) TO BE USED FOR SIGNALIZED INTERSECTIONS AT L.M. 21.28 AND L.M. 21.13.
- (15) USE MIOVISION VIDEO SYSTEMS WITH 360 DEGREE CAMERAS AND IN-CABINET PROCESSORS. INCLUDES ALL SENSOR UNIT, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, POWER CABLE, SURGE PROTECTION, AND ANY EQUIPMENT NECESSARY TO PROVIDE FUNCTIONAL DETECTION ZONES. CONTRACTOR TO ENSURE COMPATIBILITY WITH SIGNAL CONTROLLER.
- (16) TO BE USED AT INTERSECTION WITH FRAZIER ST. AT L.M. 21.41.

NOTE: THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT.

NOTE: THERE ARE NO GUARDRAIL ADJUSTMENTS ON THIS PROJECT.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES