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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-SIGN2
ROADWAY INDEX, STANDARD ROADWAY AND	
TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TABULATED QUANTITIES	2F

YEAR	PROJECT NO.	SHEET NO.
2025	NH/HSIP-27(56)	ROADWAY-SIGN2
	33S027-F8-003	
	33S027-F3-003	

REV. 08-04-25: ADDED SHEET.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

# **ROADWAY INDEX**

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
	ROADWAY-SIGN2
TITLE SHEET	1
ROADWAY INDEX, STANDARD ROADWAY AND	
TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B

......2D, 2D1-2D3

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

ENVIRONMENTAL NOTES.....

UTILITY NOTES AND UTILITY OWNERS......3

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL.....T1

#### NO PROJECT COMMITMENTS INCLUDED IN THIS PROJECT

\*PROVIDED BY OTHERS

GENERAL NOTES .....

SPECIAL NOTES .....

TABULATED QUANTITIES...

\*REFERENCE SHEETS ....

## STANDARD ROADWAY DRAWINGS

**DESCRIPTION** 

10-100.00 AND LEGE		RD ROADWAY TITLE SHEET, ABBREVIATIONS,
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 N	MULTIMOD	AL
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

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

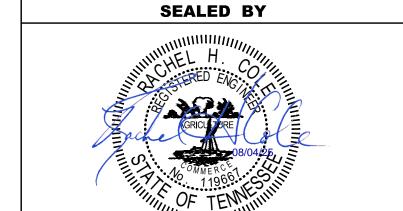
 33S027-F8-003
 33S027-F3-003

REV. 08-04-25: ADDED SHEET ROADWAY-SIGN2 TO INDEX.

# STANDARD TRAFFIC DESIGN DRAWINGS

AT INTERSECTIONS

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					



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,
STANDARD ROADWAY
AND
TRAFFIC DESIGN
DRAWINGS

					TOTAL
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY
			33S027-F8-003	33S027-F3-003	
209-70.01	VACUUM TRUCK/SWEEPER FOR ROADWAY DEBRIS	HOUR	80		80
307-02.09	ASPHALT CONCRETE MIX (PG70-22) GRADING CAM	TON	6889		6889
403-02.01	TRACKLESS TACK COAT	TON	53		53
411-01.21	LONGITUDINAL JOINT SEALANT	L.M.	9.4		9.4
411-03.10	ACS MIX(PG76-22) GRADING D	TON	6639		6639
415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	13152		13152
611-01.20	ADJUSTMENT OF EXISTING MANHOLE	EACH		29	29
611-09.01	ADJUSTMENT OF EXISTING CATCHBASIN	EACH		99	99
712-01	TRAFFIC CONTROL	LS	1		1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	91		91
712-06	SIGNS (CONSTRUCTION)	S.F.	1770		1770
712-08.03	ARROW BOARD (TYPE C)	EACH	2		2
713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1		1
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4		4
713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH		4	4
713-16.20	SIGNS (R3-17 with R3-17bP)	EACH		1	1
713-16.21	SIGNS (W10-2)	EACH		5	5
713-16.22	SIGNS (W10-3)	EACH		2	2
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
716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	506		506
716-02.03	PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.		723	723
716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		667	667
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		2072	2072
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		31	31
716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.		1242	1242
716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		2471	2471
716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.		0.25	0.25
716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH		12	12
716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH		7	7
716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH		10	10
716-04.13	PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH		48	48
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	15		15
716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	2072		2072
716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	13.7		13.7
717-01	MOBILIZATION	LS	1		1

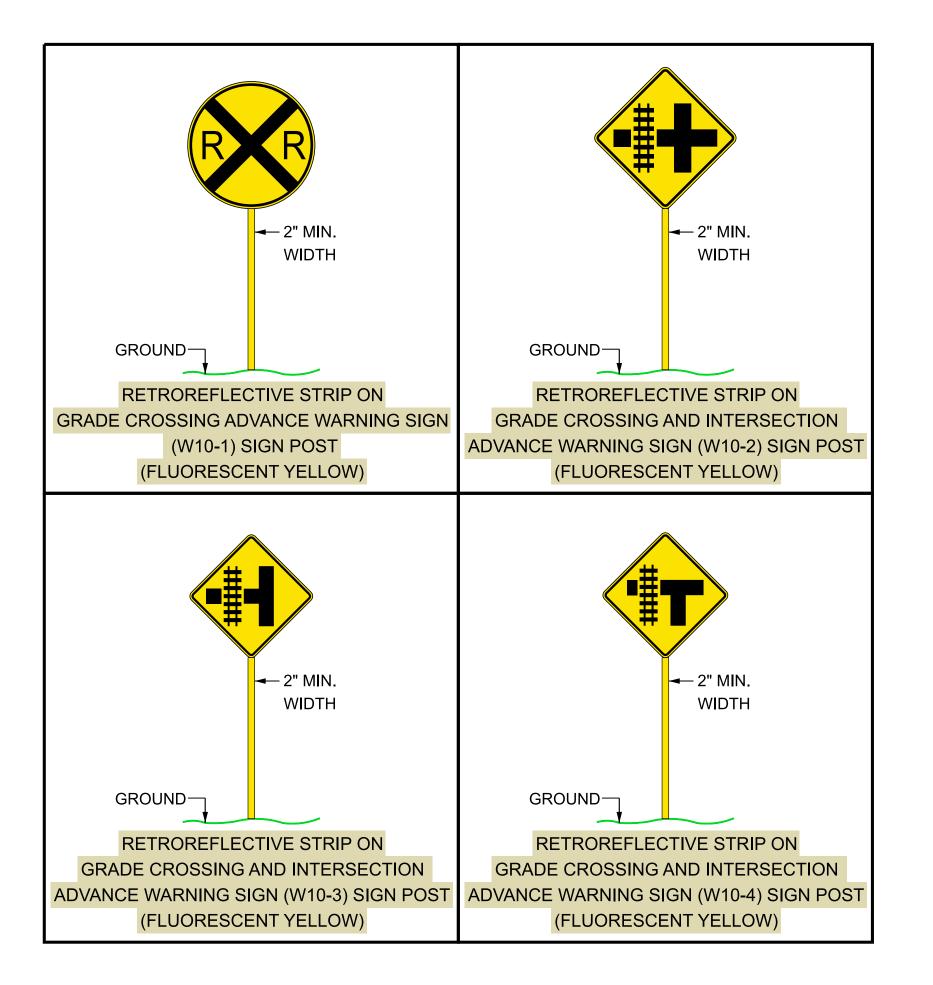
#### **FOOTNOTES**

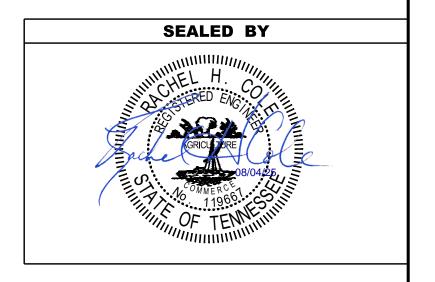
- (1) INCLUDES 181 TONS FOR CITY STREETS AND COUNTY ROADS.
- ) INCLUDES 10.2 TONS FOR CITY STREETS AND COUNTY ROADS.
- (3) USE CRAFCO PAVEMENT JOINT ADHESIVE #34524. PAVON JOINT ADHESIVE BY PAVON CORPORATION OR DENSO TAPE BY DENSO.
- (4) INCLUDES 174 TONS FOR CITY STREETS AND COUNTY ROADS.
- (5) INCLUDES 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	NH/HSIP-27(56)	2
		33S027-F8-003	
		33S027_F3_003	

REV. 08-04-25: ADDED ITEM NUMBER 611-01.20 TO QUANTITIES. REVISED QUANTITY FOR ITEM NUMBER 611-09.01.





STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY

QUANTITIES

	JANTITIES.D
	BULATED QU
	8-00-SHT-TA
	46979/12966
9 22 15 AM	\EAST01\D42
3/4/2025	C:\PWWORKING\EAST01\D4246979\129668-00-SHT-TABULATED QUANTITIES.Do

TR	TRAFFIC CONTROL SIGN TABULATION (RESURFACING)						
M.U.T.C.D.		SIZE			TOTAL	ITEM NO.	
SIGN	LEGEND \ DESCRIPTION	IN INCH	IES	S.F.	NUMBER	712-06	
NO.		L x	w		REQUIRED	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	13		

STORM D	STORM DRAIN ADJUSTMENTS (RESURFACING)				
CATCH BASINS	AREA DRAINS	MANHOLES			
88	11	29			
TOTALS					
	128				

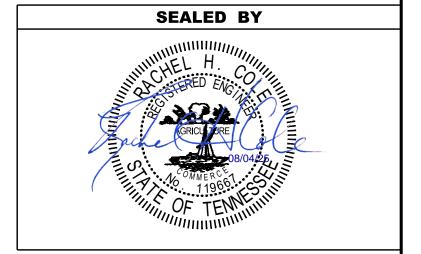
BRIDGE DECK RECOMMENDATIONS (RESURF.)	
NO BRIDGES WITHIN PROJECT LIMITS	

PROPOSED GUARDRAIL	(RESURFACING)

NO GUARDRAIL WITHIN PROJECT LIMITS

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

REV. 08-04-25: ADDED MANHOLES TO STORM DRAIN ADJUSTMENTS (RESURFACING)
TABULATION. REVISED UTILITY ADJUSTMENTS (BY OTHERS) TABULATION. REVISED QUANTITY OF CATCH BASINS AND TOTAL QUANTITY IN STORM DRAIN ADJUSTMENTS (RESURFACING) TABULATION.



STATE OF TENNESSEE
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TABULATED QUANTITIES