



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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Date: 2026.03.31 15:46:34-04'00'

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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-SIGN1
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
RAILROAD AERIALS .....	4, 4A
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL .....	T1

YEAR	PROJECT NO.	SHEET NO.
2026	HSP-33(167)	ROADWAY-SIGN1

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNATURE  
SHEET

Index Of Sheets  
SEE SHEET NO. 1A

# STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

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

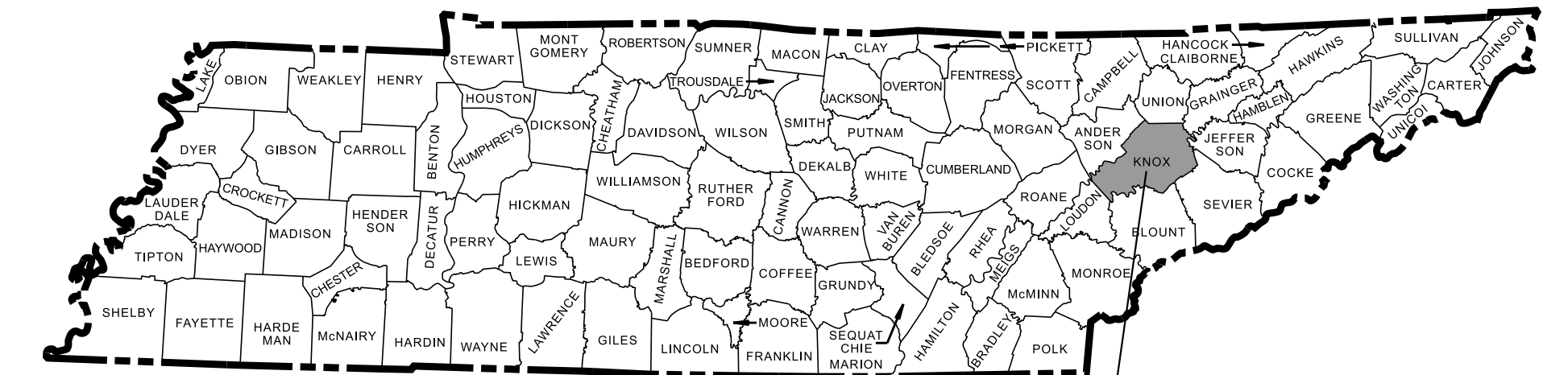
TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	HSIP-33(167)	
STATE PROJ. NO.	47S033-M8-008, 47S033-F3-008, 47S033-F3-009	

## KNOX COUNTY

SR-33 / US-441:  
FROM NEAR SR-71  
TO NEAR CENTRAL STREET

RESURFACE & SAFETY  
MILL & 411D AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 33 F.A.H.S. NO. 441



KNOX COUNTY SR-33  
BRIDGE ID. # 47SR0330011, 47SR0010057, 47SR0010025, 47I00400061

47S033-M8-008  
47S033-F3-008  
47S033-F3-009  
END PROJECT NO. HSIP-33(167) RESURFACE & SAFETY  
L.M. 8.26

NORFOLK SOUTHERN RAILWAY COMPANY  
R/R UNDER PASS CROSSING #730630J  
LAT 35.9688227, LONG -83.924197  
MP 00.16-D BRIDGE ID. # 47SR0010025  
L.M. 7.75

NORFOLK SOUTHERN RAILWAY COMPANY  
R/R UNDER PASS CROSSING #730613T  
LAT 35.967355, LONG -83.924328  
MP 130.99-A BRIDGE ID. # 47SR0010025  
L.M. 7.64

KNOXVILLE & HOLSTON RIVER  
RAILROAD COMPANY (KXHR)  
R/R AT-GRADE CROSSING #730487B  
LAT 35.9535000, LONG -83.9155000  
MP 000.15, L.M. 6.55

47S033-M8-008  
47S033-F3-008  
47S033-F3-009  
BEGIN PROJECT NO. HSIP-33(167) RESURFACE & SAFETY  
L.M. 5.72

### 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.

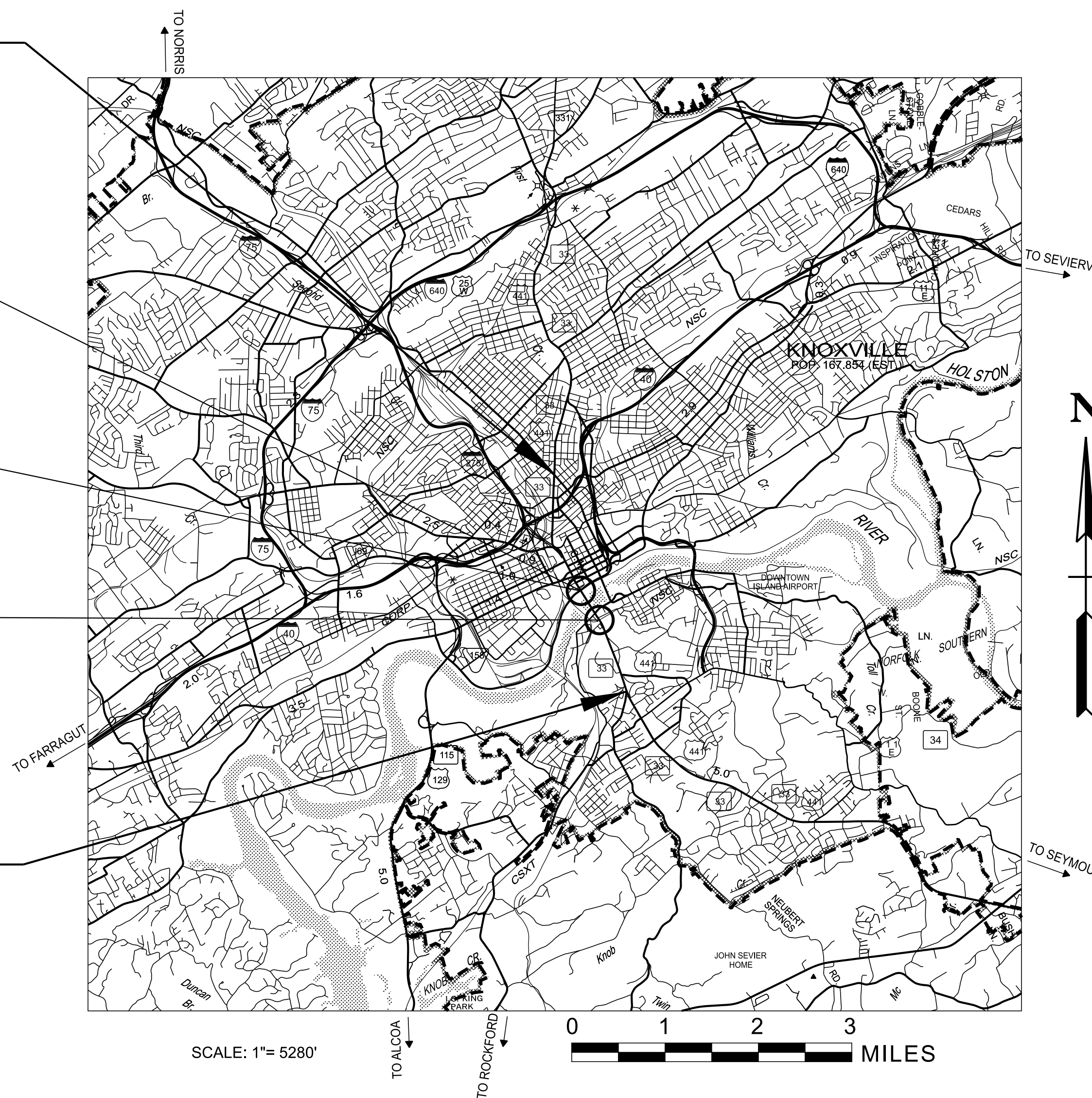
TDOT PROJECT MANAGER : ERIC WILSON, P.E.

DESIGN FIRM : ARCADIS US, INC.

DESIGNER : ADAM GRAVITT CHECKED BY JOHN REHM, P.E.

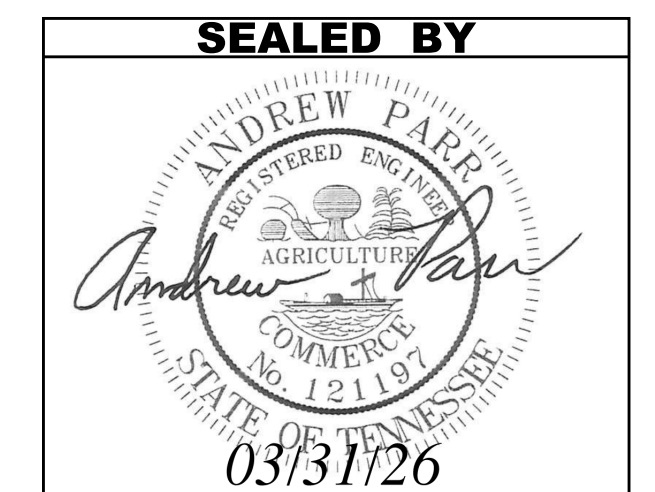
P.E. NO. 98013-4203-04 (DESIGN)

PIN NO. 135490.00



PROJECT LENGTH 2.54 MILES  
TOTAL LANE MILES RESURFACED 9.97 MILES

NO EXCLUSIONS



APPROVED: *Shane Hester*  
SHANE HESTER, P.E. CHIEF ENGINEER

DATE:

APPROVED: *Will Reid*  
WILL REID, P.E. COMMISSIONER

TRAFFIC COUNTER & WEATHER STATIONS	
STATION LOCATION	L.M. 6.86
STATION LOCATION	L.M. 7.29
STATION LOCATION	L.M. 8.03

TRAFFIC DATA	
ADT (2026)	32532
POSTED SPEED	
L.M. 5.72 - L.M. 7.09	45 MPH
L.M. 7.09 - L.M. 8.26	35 MPH

# ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET .....	ROADWAY-SIGN1
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
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UTILITY NOTES AND UTILITY OWNERS .....	3
RAILROAD AERIALS .....	4, 4A
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL .....	T1
*CURB RAMP REFERENCE SHEETS .....	55-63

NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS

\*REFERENCE SHEETS ARE FROM CURB CONTRACT, PIN 136144.02 PROVIDED BY OTHERS.

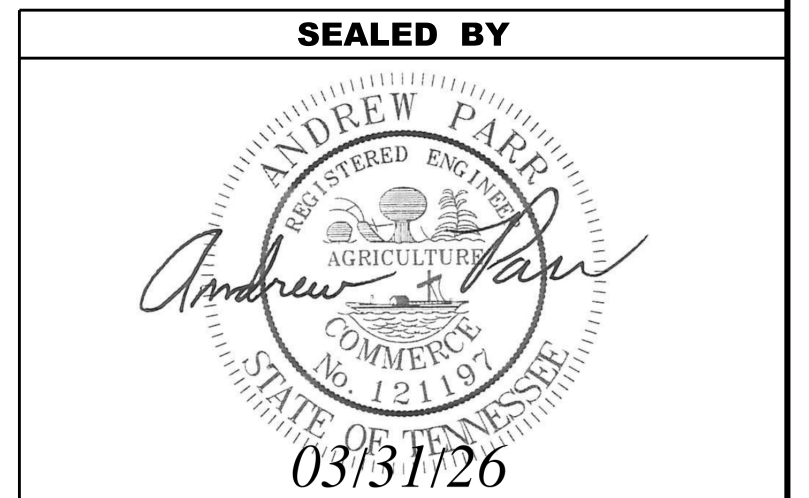
# STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
<b>STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS</b>		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
<b>ROADWAY DESIGN STANDARDS</b>		
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
<b>SIGNALS</b>		
T-SG-2	12-18-25	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	12-18-25	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
<b>RAILROAD CROSSING</b>		
T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD ACTIVE HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS
<b>DESIGN - TRAFFIC CONTROL</b>		
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-M-18	01-24-25	FLEXIBLE DELINEATOR DETAILS
T-M-18A	01-24-25	DELINEATOR MOUNTING DETAILS
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-12	03-26-25	ONE LANE CLOSURE DETAIL FOR BRIDGES 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	HSIP-33(167)	1A



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	2

ESTIMATED ROADWAY QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	TOTAL QUANTITY
			47S033-M8-008	47S033-F3-008	47S033-F3-009	
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	6			6
	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	37			37
(2)	411-02.10 ACS MIX(PG70-22) GRADING D	TON	5617			5617
(3)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	5563			5563
	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
(4)	712-06 SIGNS (CONSTRUCTION)	S.F.	1273			1273
	712-08.03 ARROW BOARD (TYPE C)	EACH	4			4
(5)	713-02.11 REMOVAL OF EXISTING DELINEATORS	EACH	110			110
(6)	713-02.30 FLEXIBLE TUBULAR DELINEATOR	EACH	110			110
	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	272			272
	716-01.22 SNOWPLOWABLE RAISED PAVEMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	230			230
	716-01.23 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	130			130
(5)	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	632			632
(7)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		820		820
(7)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		1006		1006
(7)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		42		42
(7)(8)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.		3470		3470
(7)	716-02.11 PLASTIC PAVEMENT MARKING (6" DOTTED LINE)	L.F.		1500		1500
(7)	716-03.01 PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH		15		15
(7)	716-03.02 PLASTIC WORD PAVEMENT MARKING (RXR)	EACH		2		2
(7)	716-03.09 PLASTIC WORD PAVEMENT MARKING (RIGHT)	EACH		1		1
(7)	716-03.10 PLASTIC WORD PAVEMENT MARKING (THRU)	EACH		1		1
(7)	716-03.11 PLASTIC WORD PAVEMENT MARKING (MERGE)	EACH		1		1
(7)	716-03.12 PLASTIC PVMT MARKING (TRAFFIC)	EACH		1		1
(7)	716-04.02 PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH		1		1
(7)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH		8		8
(7)	716-04.11 PLASTIC PAVEMENT MARKING (BICYCLE SYMBOL W/RIDER)	EACH		24		24
(9)	716-04.21 GREEN TEXTURED BIKE LANE	S.Y.			150	150
(10)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	16			16
(11)	716-13.02 SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	20			20
	717-01 MOBILIZATION	LS	1			1
	730-14.02 SAW SLOT	L.F.	11000			11000
(12)	730-14.03 LOOP WIRE	L.F.	22000			22000

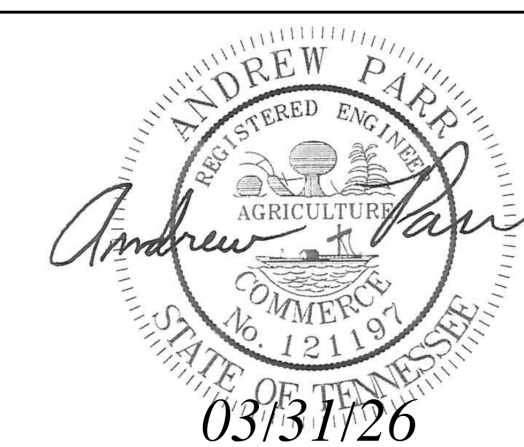
### FOOTNOTES

- (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 300 TONS FOR CITY ROADS, AND 53 TONS FOR DRIVEWAYS.
- (3) INCLUDES 297 TONS FOR CITY ROADS, AND 52 TONS FOR DRIVEWAYS.
- (4) 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.
- (5) ANY DAMAGE INCURRED DURING THE REMOVAL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE TDOT MANAGER.
- (6) FOR BIKE LANES AT L.M. 7.79 TO L.M. 8.14 LT. & RT.
- (7) 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.
- (8) SEE SHEET 2F AND CURB RAMP REFERENCE SHEETS 55-63 FOR ADDITIONAL DETAILS AND INFORMATION.
- (9) TO BE PAID FOR BY THE CITY OF KNOXVILLE.
- (10) 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.
- (11) QUANTITY INCLUDES STRIPING FOR BIKE LANES.
- (12) SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.

NOTE: THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT.

NOTE: THERE ARE NO GUARDRAIL ADJUSTMENTS ON THIS PROJECT.

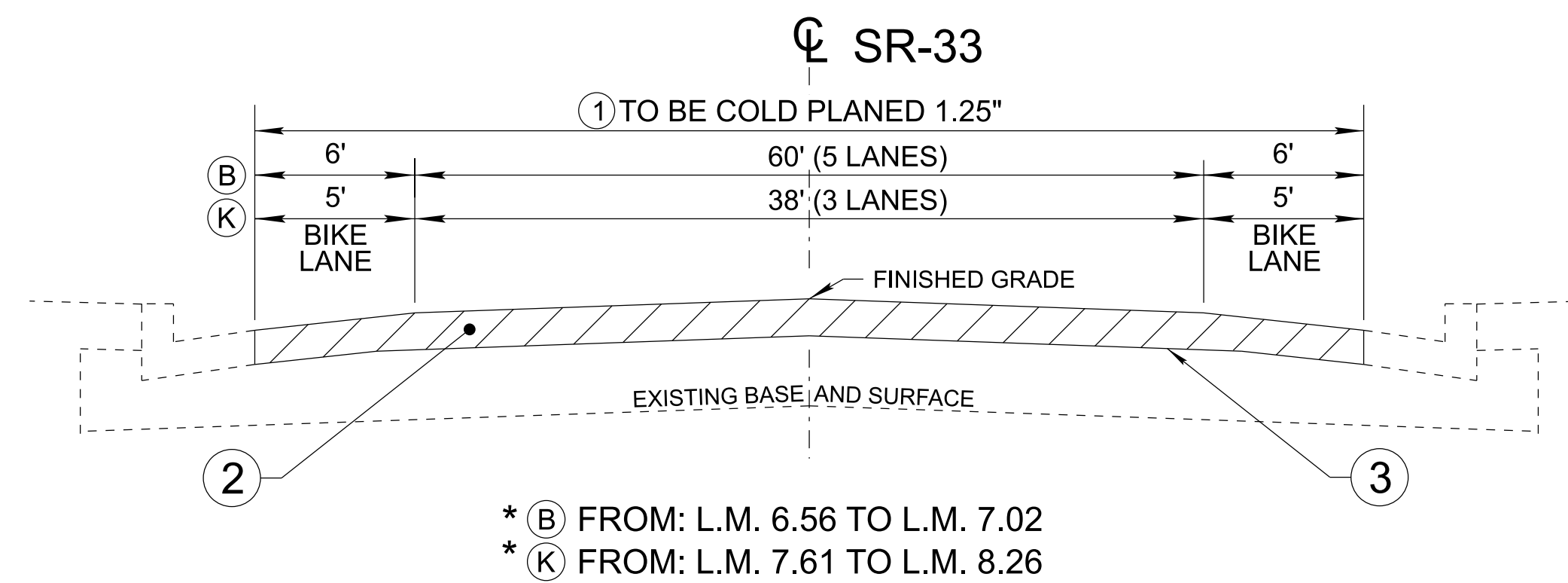
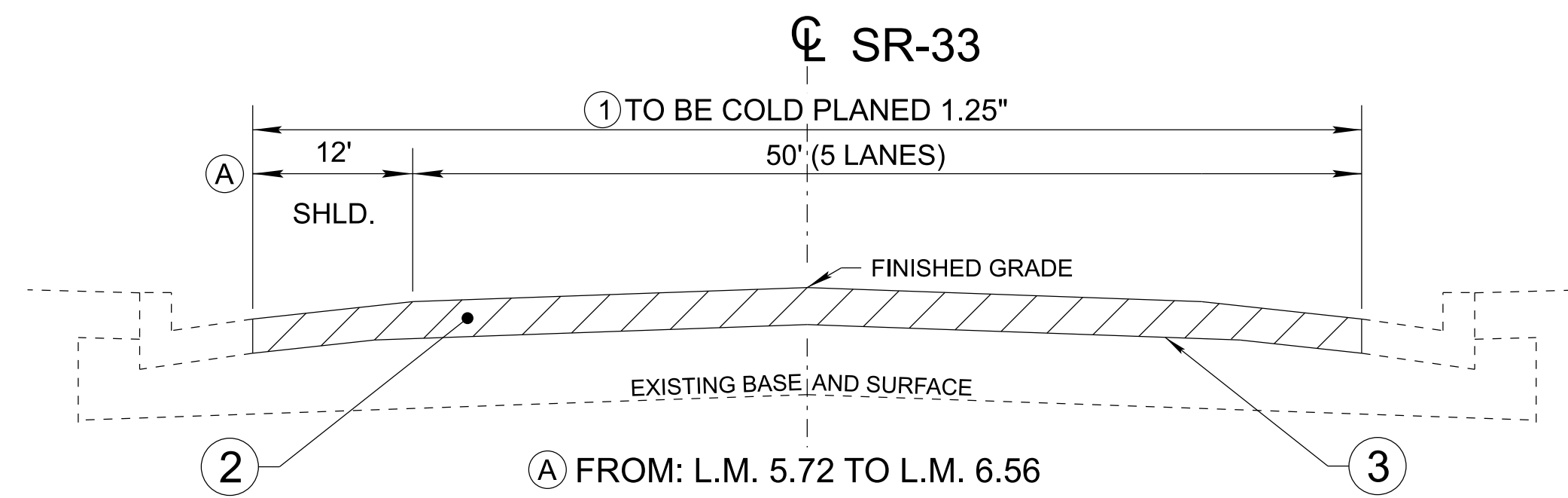
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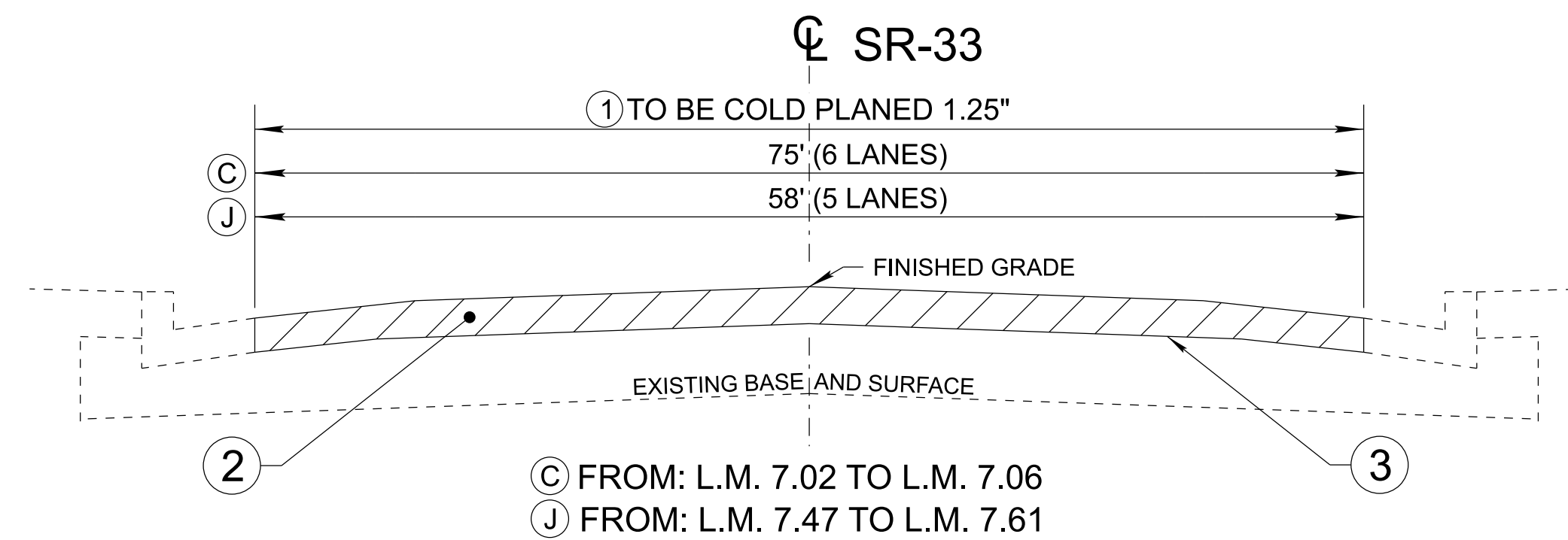
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES

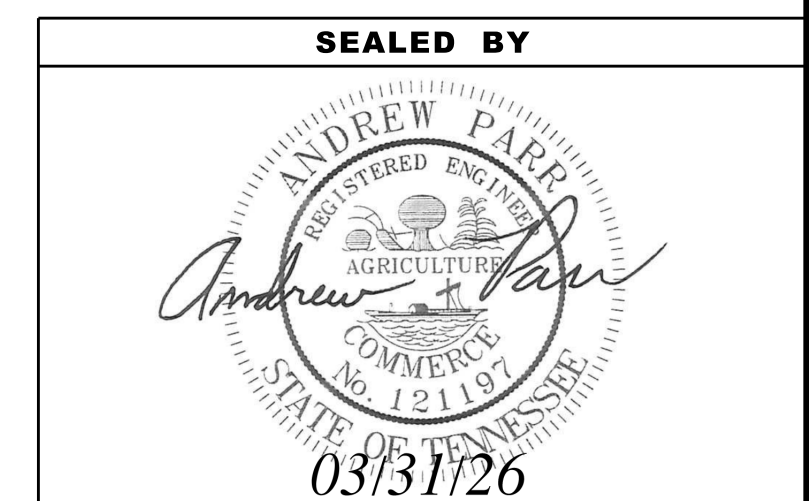
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	2B



\* EXCLUDE PAVING ALONG CONCRETE BRIDGES  
 FROM: L.M. 6.67 TO L.M. 7.02  
 FROM: L.M. 7.61 TO L.M. 7.77



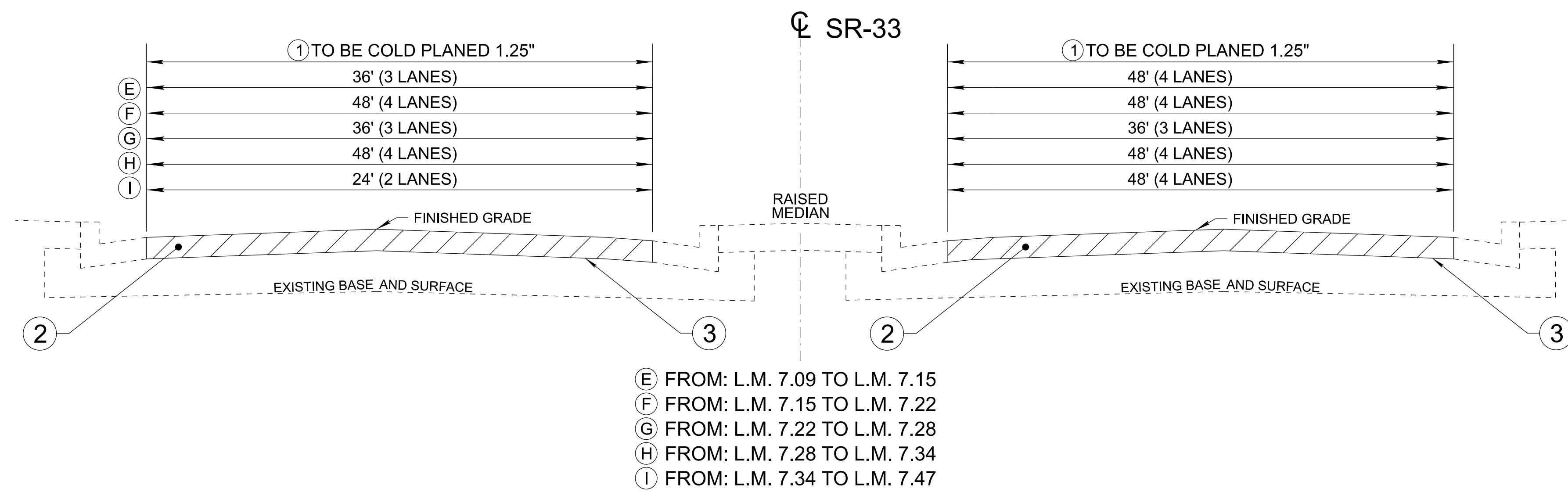
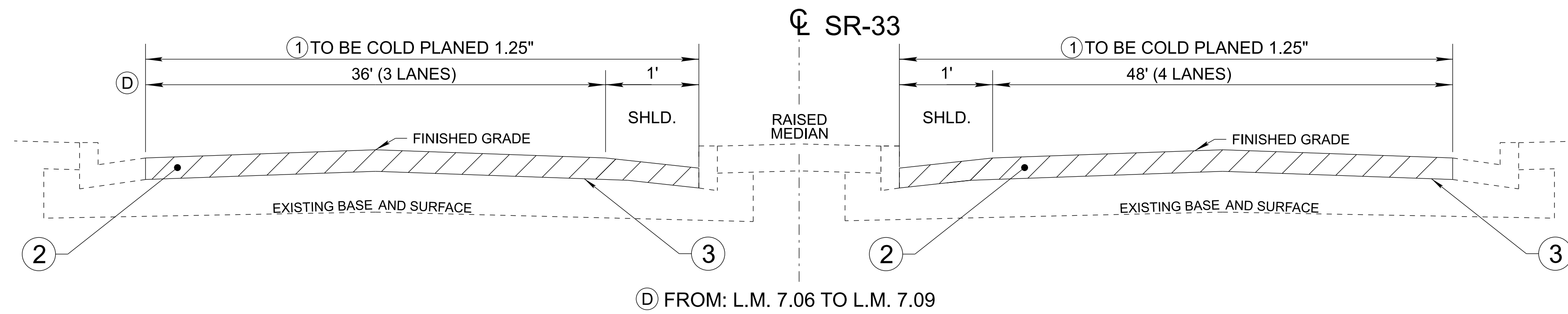
PROPOSED PAVEMENT SCHEDULE	
①	<b>COLD PLANING @ 1.25"± THICK (APPROX. 131.3 LBS./S.Y.)</b> ITEM 415-01.01 COLD PLANING BITUMINOUS PAVEMENT
②	<b>ASPHALTIC CONCRETE SURFACE (HM) @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)</b> ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D"
③	<b>TACK COAT</b> ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD



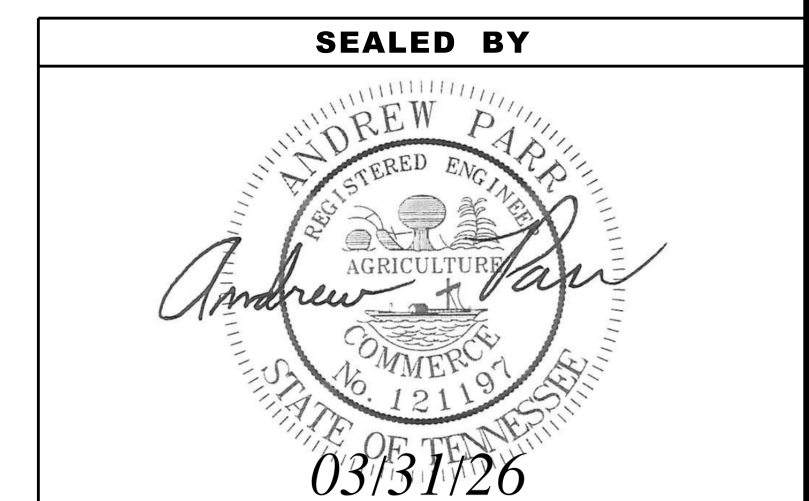
STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

TYPICAL  
 SECTIONS AND  
 PAVEMENT  
 SCHEDULE

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	2B1



SEE SHEET NO. 2B FOR  
PAVEMENT SCHEDULE



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL  
SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	2C

# 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

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

### FINAL PAVEMENT MARKING

- (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.
- (11) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" SPRAY THERMOPLASTIC (60 mil) 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. 716-13.02, SPRAY THERMO PVMT MRKNG (60 mil) (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.
- (5) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.
- (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.

### TRAFFIC CONTROL DIRECTIONAL SIGNING

- (7) WHEN EXISTING "TOURIST ORIENTED DIRECTIONAL SIGNS" (TODS) ARE ON NON-ACCESS CONTROLLED CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THESE SIGNS IN FULL VIEW TO THE MOTORING PUBLIC DURING ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING THESE "TODS" AND TEMPORARY SUPPORTS ARE TO BE PAID FOR UNDER ITEM NO. 712-06, AS DIRECTED BY THE ENGINEER. NEW SUPPORTS AND SIGN FACE FOR FINAL LOCATION WILL BE PAID FOR UNDER OTHER ITEMS OF CONSTRUCTION.

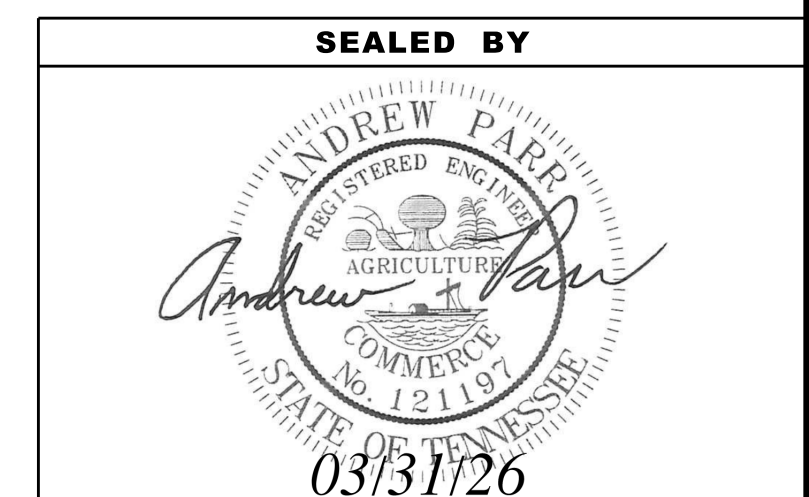
### SIGNALIZATION

- (3) EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE TDOT "SPECIAL PROVISIONS REGARDING SECTION 730K-TRAFFIC SIGNALS."
- (6) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF KNOXVILLE AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE CITY OF KNOXVILLE.
- (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.
- (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.

- (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.
- (8) ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED, AND FLEXIBLE DRUMS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.
- (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.



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# SPECIAL NOTES

## PAVEMENT

### RESURFACING

- (2) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:
  - a. BROOMING & DEGRASSING SHALL INCLUDE NOTCHING THE GRAVEL SHOULDER PRIOR TO MILLING. THE NOTCH SHALL BE 1.5 IN DEEP AND 2 FT WIDE, OR AS DIRECTED BY THE TDOT PROJECT ENGINEER.
  - b. ALL MATERIAL FROM NOTCHING AND BROOMING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE TDOT PROJECT ENGINEER.
  - c. ALL COSTS ASSOCIATED WITH NOTCHING, PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.
- (3) SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.
- (5) THE INSIDE SHOULDER WILL BE PAVED CONCURRENTLY WITH THE INSIDE TRAFFIC LANE.
- (7) THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT OFF BRIDGE DECK SO AS NOT TO DAMAGE THE EXISTING DECK SEALANT AND/OR EXPANSION JOINT MEMBERS (STEEL PLATES, BARS, AND/OR HEADERS). IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS TO ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE PROJECT ENGINEER AT NO ADDITIONAL COST.
- (8) THE BITUMINOUS MATERIAL DESIGNATED TO RESTORE THE COLD PLANING AREA WILL BE PLACED WITHIN 96 HOURS OF THE COMMENCEMENT OF COLD PLANING OPERATIONS. COLD PLANING OPERATIONS WILL BE LIMITED TO AN AREA EQUAL TO THAT WHICH CAN BE COVERED WITH BITUMINOUS MATERIAL WITHIN THE TIME LIMITS SPECIFIED, EVEN IF COLD PLANING OPERATIONS MUST BE SUSPENDED UNTIL PAVING CATCHES UP.
- (10) FEATHER SURFACE MIX TO ENDS OF BRIDGES THAT ARE NOT TO BE PAVED.

### STORM DRAIN STRUCTURES

- (1) TAPER AROUND ALL CATCH BASINS AS DIRECTED BY THE ENGINEER.

### PAVEMENT MARKING

- (1) UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PAINTED MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-05.20
- (2) UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PLASTIC MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-13.02.

### SIGNS

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

### MISCELLANEOUS

- (4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY SIGNS AND MAILBOXES DURING THE OPERATION. ANY SIGNS OR MAILBOXES DAMAGED AS A RESULT OF THE OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

### SIGNALIZATION

- (1) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH THE TDOT "SPECIAL PROVISIONS REGARDING SECTION 730K – TRAFFIC SIGNALS."

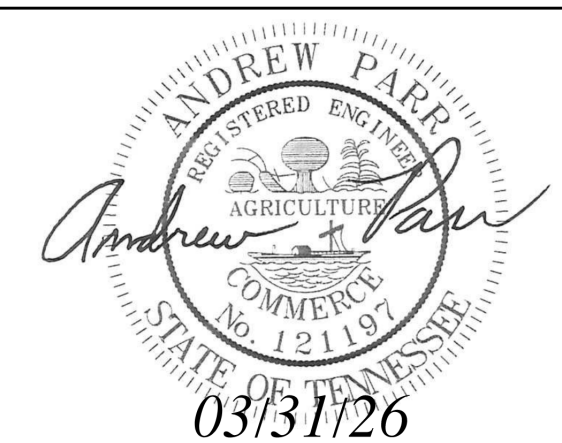
### CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) THE CONTRACTOR SHALL KEEP TWO TRAFFIC LANES, ONE IN EACH DIRECTION, OPEN TO TRAFFIC DURING NON-WORK HOURS OR NON-WORK DAYS.

## LANE CLOSURE NOTES

- (2) ANY WORK REQUIRING LANE CLOSURES INCLUDING PAVEMENT MARKING OPERATIONS SHALL BE AT NIGHT BETWEEN THE HOURS OF 7:00 P.M. AND 6:00 A.M. SUNDAY THROUGH THURSDAY AND 10:00 PM AND 8 AM FRIDAY THROUGH SATURDAY UNLESS OTHERWISE DIRECTED BY THE TDOT MANAGER.
- (5) NO LANE CLOSURES WILL BE ALLOWED ON SATURDAYS WHEN THE UNIVERSITY OF TENNESSEE PLAYS FOOTBALL IN KNOXVILLE UNLESS OTHERWISE APPROVED BY THE TDOT MANAGER AND THE REGIONAL TRAFFIC INCIDENT MANAGEMENT COORDINATOR.

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DEPARTMENT OF TRANSPORTATION

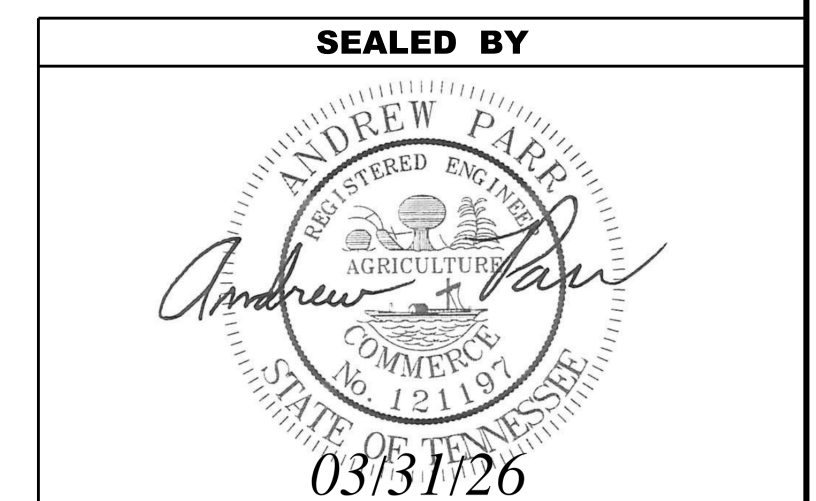
SPECIAL  
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# SPECIAL NOTES

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## RAILROAD

- (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](mailto:Christopher.Delgallo@nscorp.com)  
  
 AND  
  
 MR. DOUGLAS (SHAWN) STARLING, P.E.  
 SENIOR ENGINEER PUBLIC IMPROVEMENTS-PA, NY, NJ, TN, MO, AL  
 NORFOLK SOUTHERN RAILROAD CORPORATION  
 650 WEST PEACHTREE ST NW-BOX 45  
 ATLANTA, GA 30308  
 PHONE: (470) 463-6721  
 EMAIL: [Douglas.Starling@nscorp.com](mailto: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.



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# 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

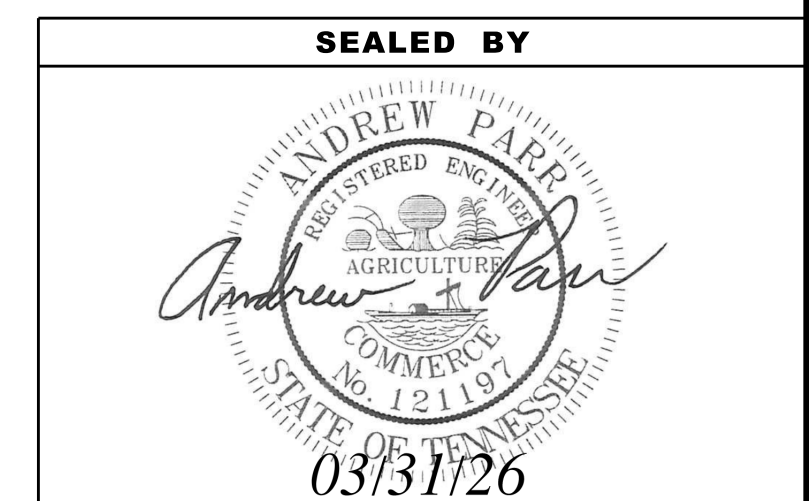
- (1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL FIELD REVIEW MEETINGS.

#### 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

- (6) MILL & 411D AND PAVEMENT MARKINGS.



**STATE OF TENNESSEE  
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# EROSION PREVENTION AND SEDIMENT CONTROL NOTES

## EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

### DISTURBED AREA

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

### SEDIMENT CONTROL

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

### GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

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

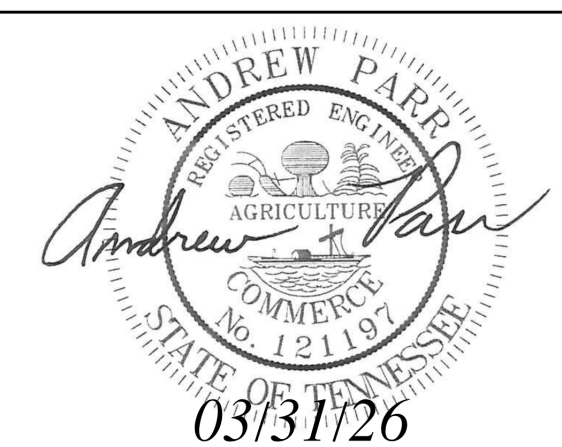
- (36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT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

### 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

EROSION PREVENTION  
AND SEDIMENT  
CONTROL NOTES

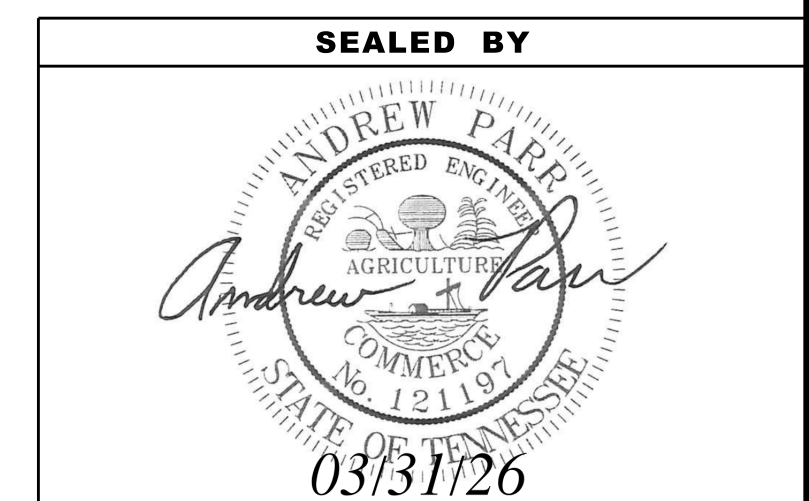
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	2F

TRAFFIC CONTROL SIGN TABULATION (RESURFACING)						
M.U.T.C.D. SIGN NO.	LEGEND \ DESCRIPTION	SIZE IN INCHES		S.F.	TOTAL NUMBER REQUIRED	ITEM NO. 712-06 S.F.
		L	x W			
G20-1	ROAD WORK NEXT 4 MILES	48"	X 24"	8	2	16
G20-2	END ROAD WORK	48"	X 24"	8	2	16
W4-2	LANE ENDS	48"	X 48"	16	8	128
W8-1	BUMP	48"	X 48"	16	4	64
W8-11	UNEVEN LANES	48"	X 48"	16	14	224
W13-1P	ADVISORY SPEED	30"	X 30"	6	4	25
W20-1	ROAD WORK AHEAD	48"	X 48"	16	46	736
W20-5	LANE CLOSED	48"	X 48"	16	4	64
<b>TOTAL</b>						<b>1273</b>

BRIDGE DECK RECOMMENDATIONS (RESURFACING)					
BRIDGE NUMBER	LOCATION LOG MILE	CROSSES OVER/UNDER	VERTICAL CLEARANCE	BRIDGE LENGTH	BRIDGE DECK RECOMMENDATIONS
47SR0330011	6.680	TENNESSEE RIVER & NEYLAND DR	N/A	1720'	LEAVE AS IS.
47SR0010057	7.270	PEDESTRIAN WALKWAY	EBL 17'-5" WBL 15'-9"	N/A	N/A
47SR0010025	7.640	SOUTHERN R. R.	N/A	684'	LEAVE AS IS.
47I00400061	7.850	I-40	EBL 19'-7"	N/A	N/A

NOTE: THE CONSTRUCTION SIGNING IS TO BE A MINIMUM. OTHER SIGNS MAY BE REQUIRED AS DIRECTED BY THE TDOT MANAGER.

CROSSWALK TABULATION							
ROADWAY					STANDARD DRAWING NO.	LONG. CROSSWALK ITEM NO. 716-02.09 L.F.	COMMENTS
MAINLINE	LOCATION	LOG MILE (L.M.)	LEFT	RIGHT			
S.R. 33	FORT DICKERSON ROAD SW / WOODLAWN PIKE	5.91	X	X	T-M-4	280	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 55
S.R. 33	EAST MARTIN MILL PIKE	6.03		X	T-M-4	70	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 55
S.R. 33	LIPPENCOTT STREET	6.18	X	X	T-M-4	110	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 56
S.R. 33	EAST MARTIN MILL PIKE	6.33		X	T-M-4	115	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 56
S.R. 33	FORT AVENUE	6.41	X	X	T-M-4	50	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 57
S.R. 33	KERBELA AVENUE	6.57		X	T-M-4	30	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 57
S.R. 33	WEST BLOUNT AVENUE / EAST BLOUNT AVENUE	6.63	X	X	T-M-4	345	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 57
S.R. 33	WEST HILL AVENUE	7.02	X	X	T-M-4	70	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 58
S.R. 33	MAIN STREET SW	7.08	X	X	T-M-4	255	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 58
S.R. 33	CUMBERLAND AVENUE	7.15	X	X	T-M-4	250	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 58
S.R. 33	WEST CHURCH AVENUE	7.22	X	X	T-M-4	115	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 59
S.R. 33	CLINCH AVENUE	7.28	X	X	T-M-4	225	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 59
S.R. 33	WEST SUMMIT HILL DRIVE SW / WESTERN AVENUE	7.47	X	X	T-M-4	435	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 60
S.R. 33	WORLDS FAIR PARK DRIVE / WEST JACKSON AVENUE	7.60	X	X	T-M-4	200	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 61
S.R. 33	WEST DEPOT AVENUE	7.79	X	X	T-M-4	200	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 62
S.R. 33	WEST MAGNOLIA AVENUE	7.84	X	X	T-M-4	125	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 62
S.R. 33	PARKING DRIVEWAY	7.88	X	X	T-M-4	55	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 62
S.R. 33	WEST FIFTH AVENUE	8.00	X	X	T-M-4	255	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 62
S.R. 33	TYSON STREET	8.14	X		T-M-4	40	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 63
S.R. 33	NORTH CENTRAL STREET	8.23	X	X	T-M-4	245	SEE CITY OF KNOXVILLE PROJECT, PIN 136144.02 - SHEET 63
<b>TOTAL</b>						<b>3470</b>	



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TABULATED  
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	3

**UTILITY**

- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

**UTILITY OWNERS**

**CABLE:**  
**XFINITY**  
 5720 ASHEVILLE HWY  
 KNOXVILLE, TN 37924  
 CONTACT: DREW MCCAWLEY  
 OFFICE PHONE: (865) 862 -5061  
 CELL PHONE: (865) 312 -2340  
 Email: james\_mccawley@comcast.com

**FIBER:**  
**KNOXVILLE UTILITY BOARD**  
 4505 MIDDLEBROOK PIKE  
 KNOXVILLE, TN 37921  
 CONTACT: JAMES WAGNER  
 OFFICE PHONE: (865) 558 -2407  
 Email: James.Wagner@kub.org

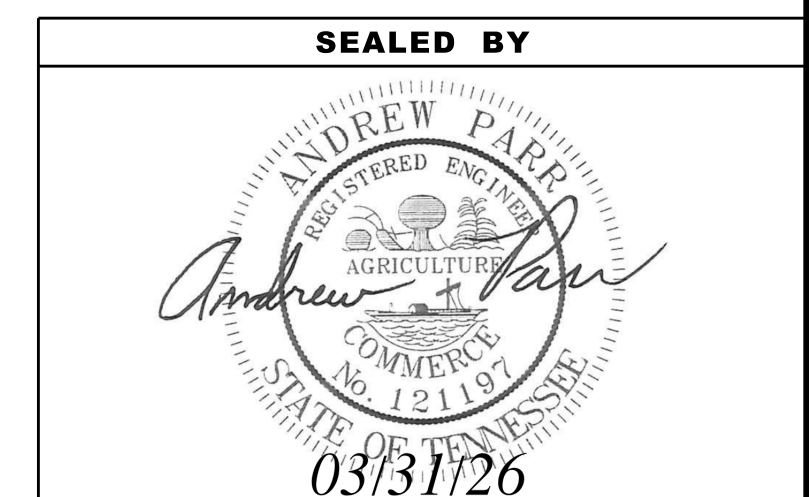
**ELECTRIC:**  
**KNOXVILLE UTILITY BOARD**  
 4505 MIDDLEBROOK PIKE  
 KNOXVILLE, TN 37921  
 CONTACT: DANIEL MCELYEA  
 OFFICE PHONE: (865) 558 -2699  
 CELL PHONE: (865) 216 -0752  
 Email: Daniel.McElyea@kub.org

**SEWER:**  
**KNOXVILLE UTILITY BOARD**  
 4505 MIDDLEBROOK PIKE  
 KNOXVILLE, TN 37921  
 CONTACT: BISWA POKHAREL  
 OFFICE PHONE: (865) 558 -2728  
 CELL PHONE: (205) 368 -5042  
 Email: Biswa.Pokharel@kub.org

**GAS:**  
**KNOXVILLE UTILITY BOARD**  
 4505 MIDDLEBROOK PIKE  
 KNOXVILLE, TN 37921  
 CONTACT: TIM KELLY  
 OFFICE PHONE: (865) 558 -2577  
 CELL PHONE: (865) 320 -2681  
 Email: timothy.kelly@kub.org

**TELEPHONE:**  
**AT&T**  
 307 DR. MARTIN LUTHER KING JR PARKWAY  
 MORRISTOWN, TN 37813  
 CONTACT: SAM TRENT  
 OFFICE PHONE: (423) 317 -8804  
 CELL PHONE: (865) 789 -4715  
 Email: st3528@att.com

**WATER:**  
**KNOXVILLE UTILITY BOARD**  
 4505 MIDDLEBROOK PIKE  
 KNOXVILLE, TN 37921  
 CONTACT: BISWA POKHAREL  
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 CELL PHONE: (205) 368 -5042  
 Email: Biswa.Pokharel@kub.org



STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

UTILITY NOTES  
 AND  
 UTILITY OWNERS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	4

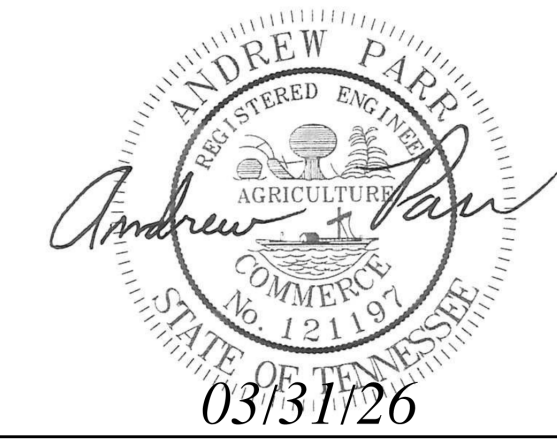


E BLOUNT AVE.

SR-33 (HENLEY ST.)

KNOXVILLE & HOLSTON RIVER  
RAILROAD COMPANY (KXHR)  
R/R AT-GRADE CROSSING #730487B  
LAT 35.9535000, LONG -83.9155000  
MP 000.15, L.M. 6.55

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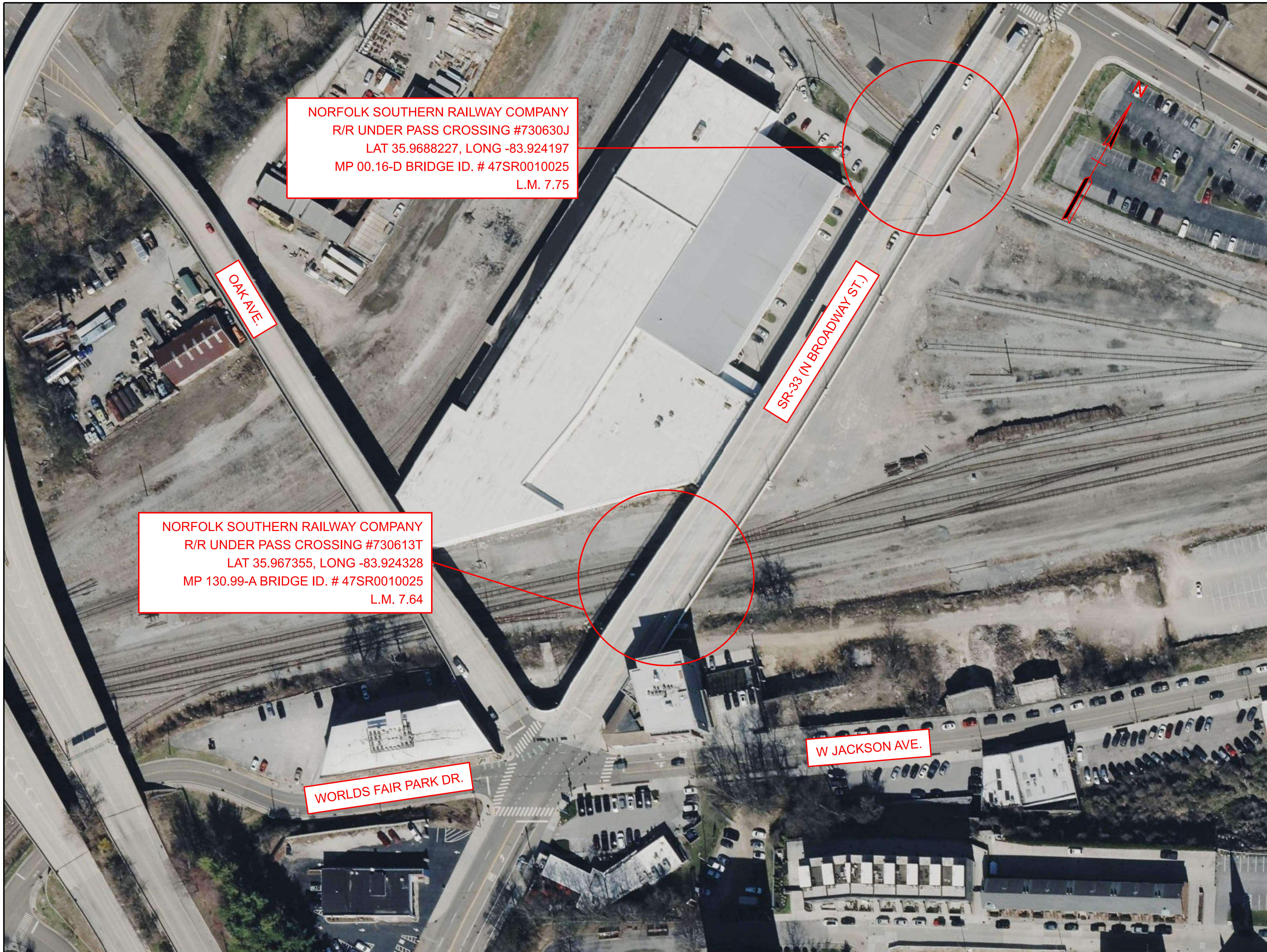


STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

RAILROAD  
AERIAL

SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	4A



NORFOLK SOUTHERN RAILWAY COMPANY  
R/R UNDER PASS CROSSING #730630J  
LAT 35.9688227, LONG -83.924197  
MP 00.16-D BRIDGE ID. # 47SR0010025  
L.M. 7.75

NORFOLK SOUTHERN RAILWAY COMPANY  
R/R UNDER PASS CROSSING #730613T  
LAT 35.967355, LONG -83.924328  
MP 130.99-A BRIDGE ID. # 47SR0010025  
L.M. 7.64

OAK AVE.

SR-33 (N BROADWAY ST.)

W JACKSON AVE.

WORLDS FAIR PARK DR.

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

RAILROAD  
AERIAL

SCALE: 1" = 50'

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# PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	HSIP-33(167)	T1

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

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:
  - a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
  - b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
  - c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
  - d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.
2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.
  - a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:
    - (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.
    - (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.
  - b. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
  - c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

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

- a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:
  - (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.
  - (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

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

- b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.
- c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO 6 INCHES OR LESS.
- d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

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

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

SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

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

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

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES.
  - a. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
2. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:
  - a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:
    - (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.
    - (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.
3. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:
  - a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:
    - (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.
    - (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.
  - b. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

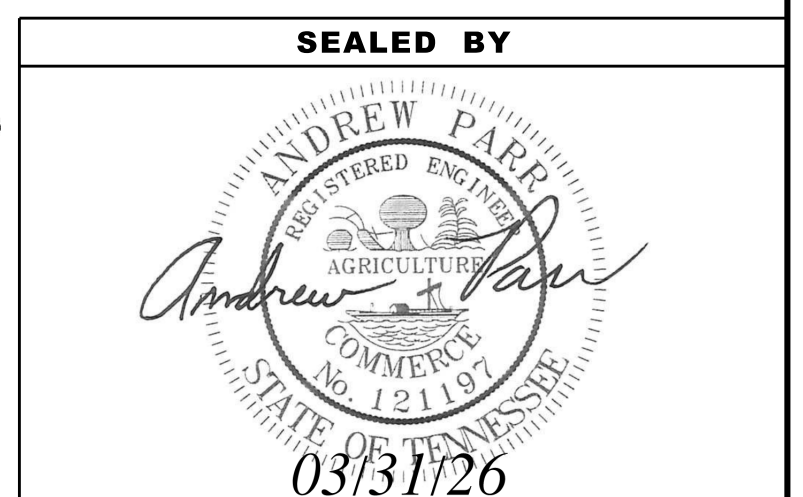
THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE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

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

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

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.
2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

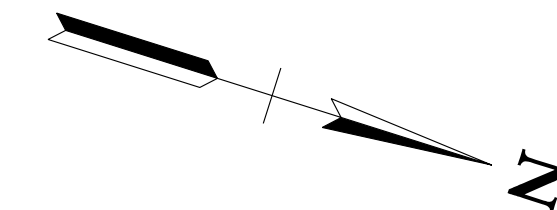
THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.



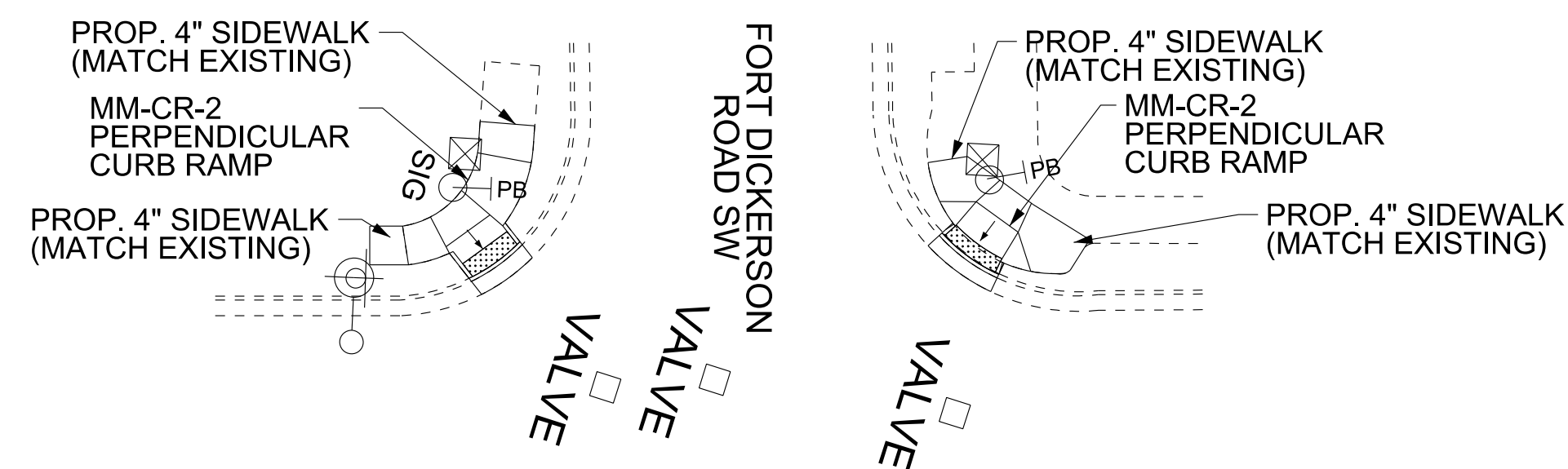
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE  
DROP-OFF NOTES  
FOR  
TRAFFIC CONTROL

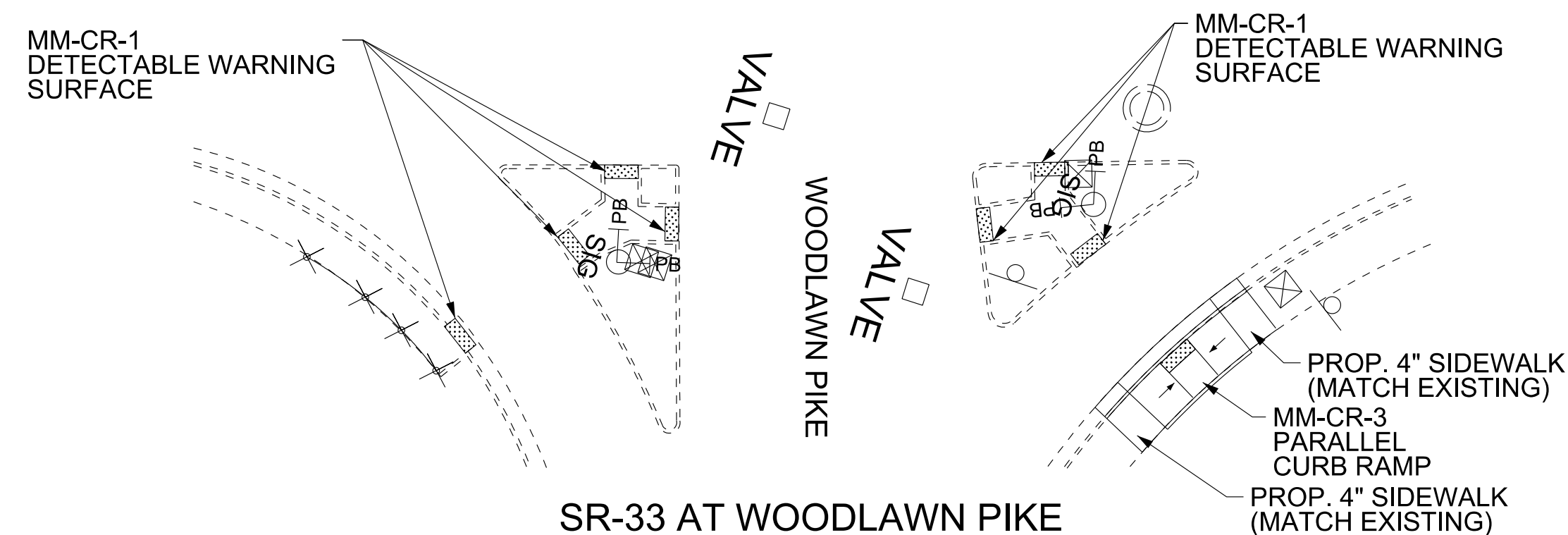
TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	55



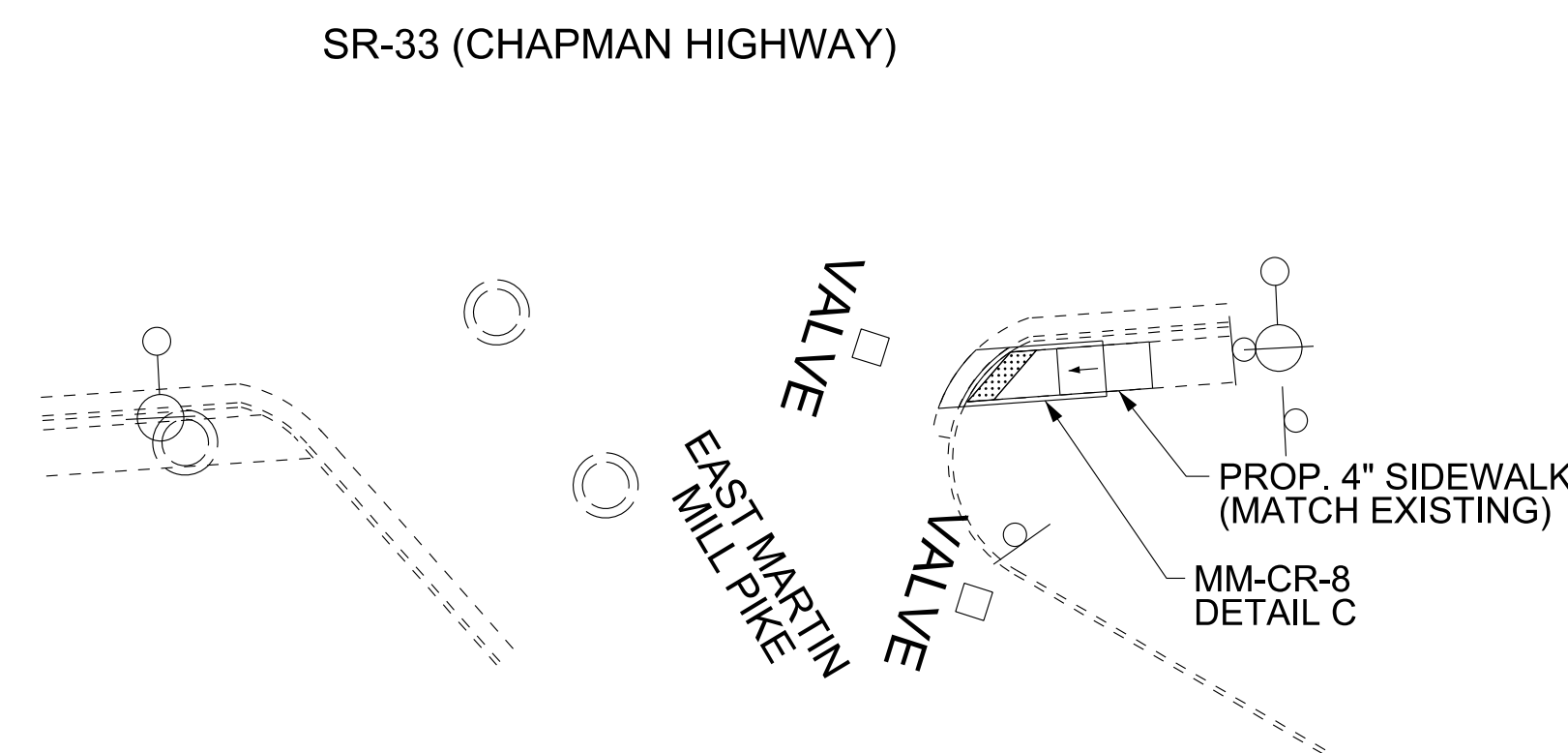
NOTE:  
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SR-33 (CHAPMAN HIGHWAY)



SR-33 AT WOODLAWN PIKE  
 SCALE: 1"=20'



SR-33 AT EAST MARTIN MILL PIKE  
 SCALE: 1"=20'

LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

SR-33  
 LOG MILE 5.72 TO LOG MILE 8.26  
 KNOX COUNTY

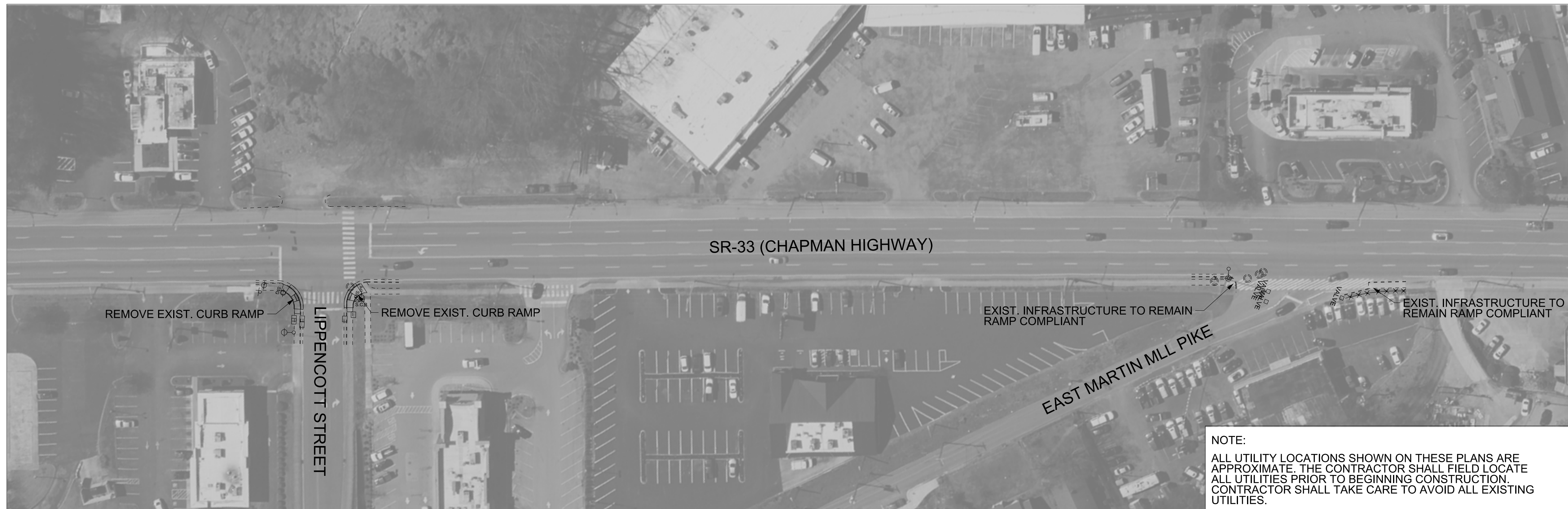
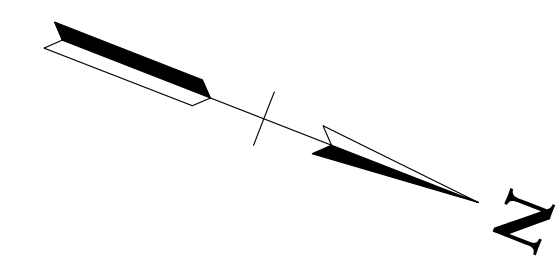
STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

LAYOUT  
 L.M. 5.85 TO L.M. 6.10

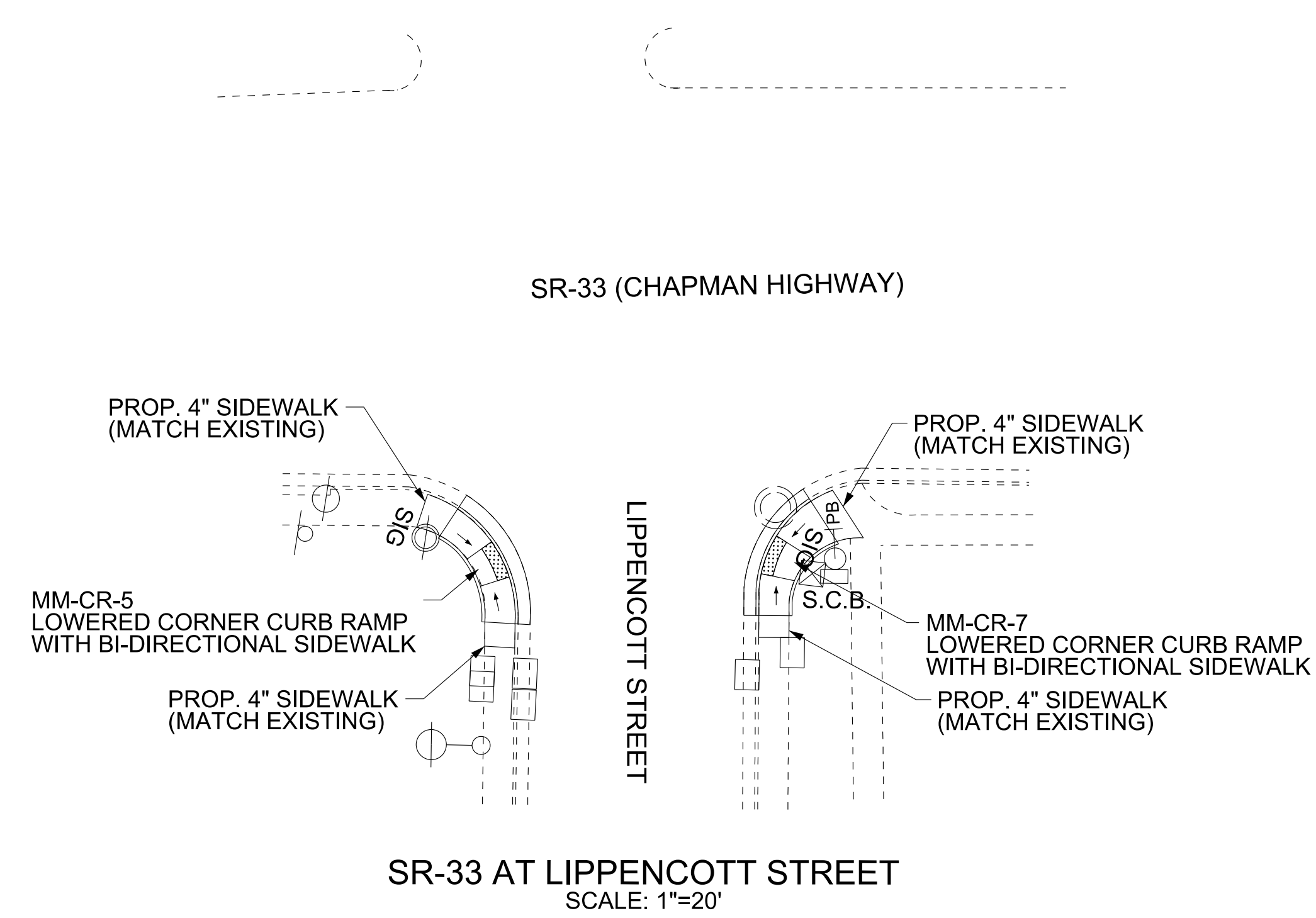
SCALE: 1"= 50'

\$\$\$\$\$TIMES\$\$\$\$\$  
 \$\$\$\$\$ONSPEC\$\$\$\$\$

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	56



NOTE:  
 ALL UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL TAKE CARE TO AVOID ALL EXISTING UTILITIES.



SR-33 AT LIPPENCOTT STREET  
 SCALE: 1"=20'

LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

## SR-33 LOG MILE 5.72 TO LOG MILE 8.26 KNOX COUNTY

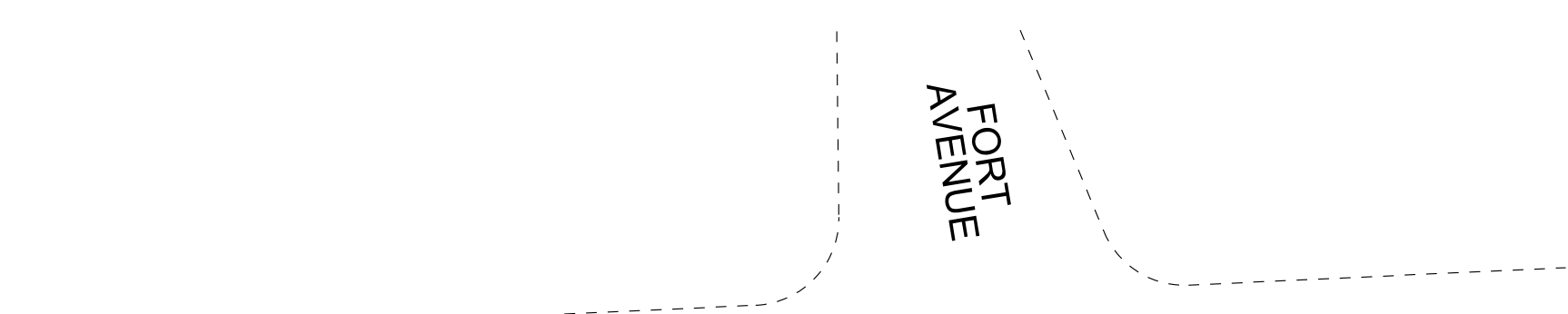
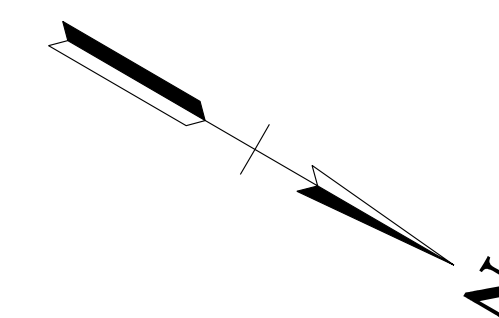
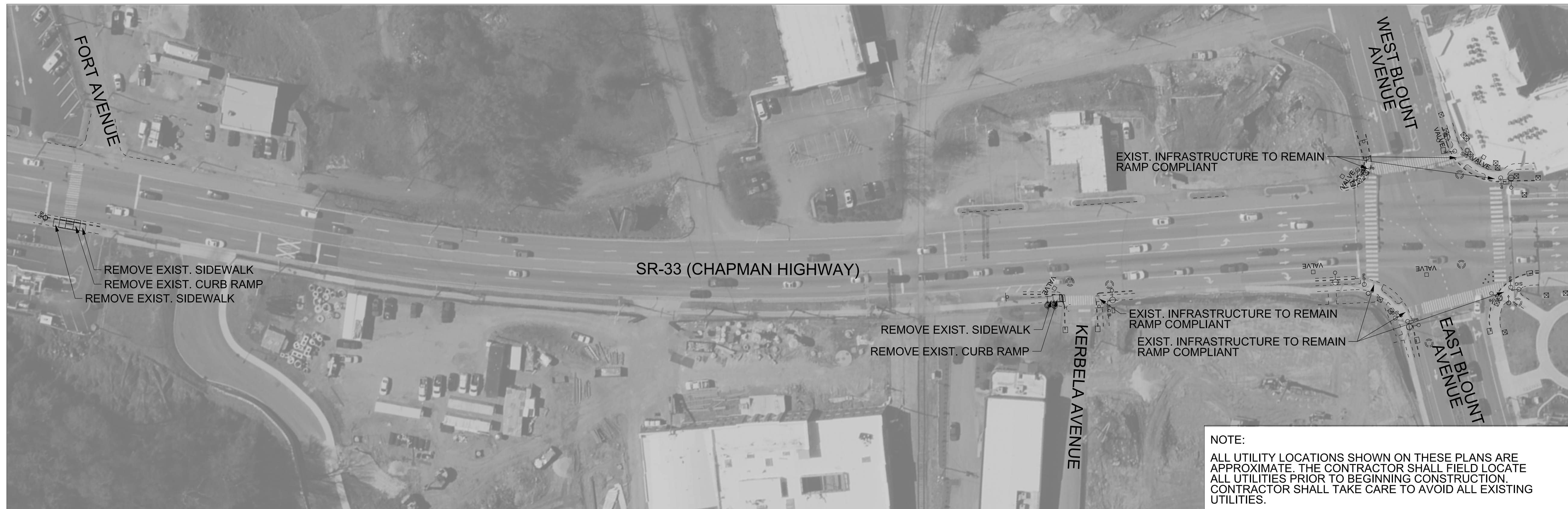
**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**

**LAYOUT**  
 L.M. 6.13 TO L.M. 6.38

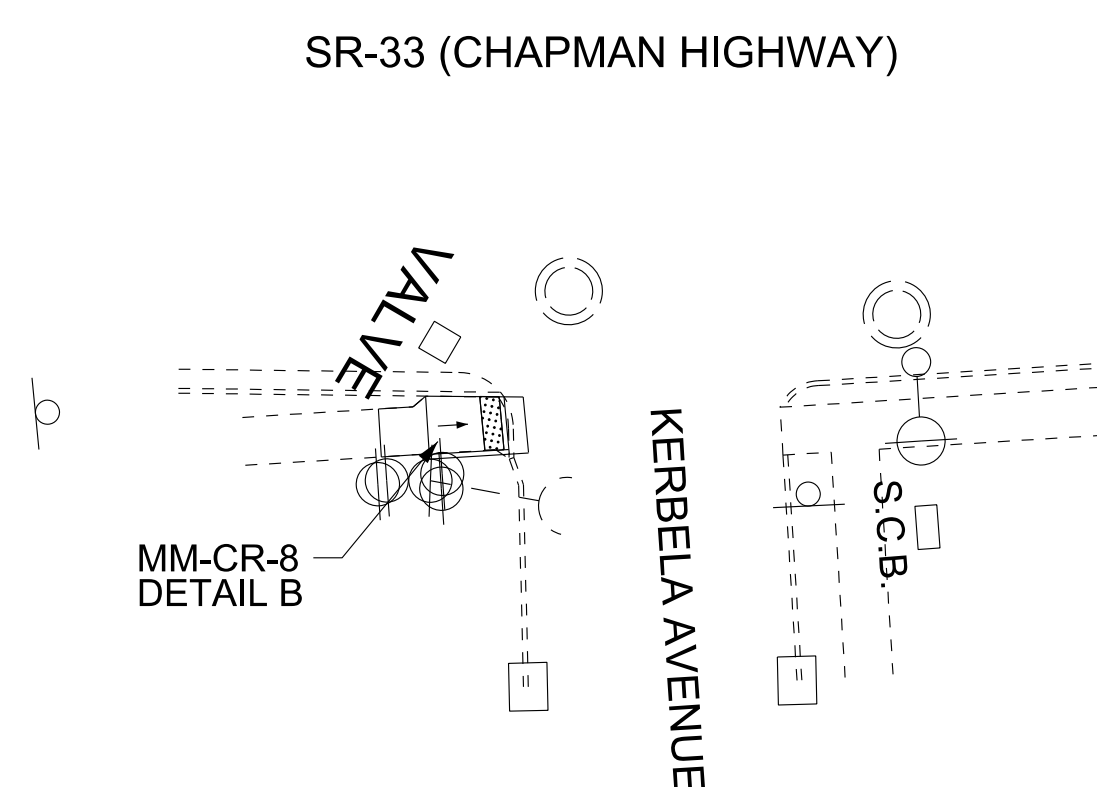
SCALE: 1"= 50'

\$\$\$\$\$TIMES\$\$\$\$\$  
 \$\$\$DONSPEC\$\$\$\$\$

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	57



SR-33 AT FORT AVENUE  
SCALE: 1"=20'



SR-33 AT KERBELA AVENUE  
SCALE: 1"=20'

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

SR-33  
LOG MILE 5.72 TO LOG MILE 8.26  
KNOX COUNTY

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

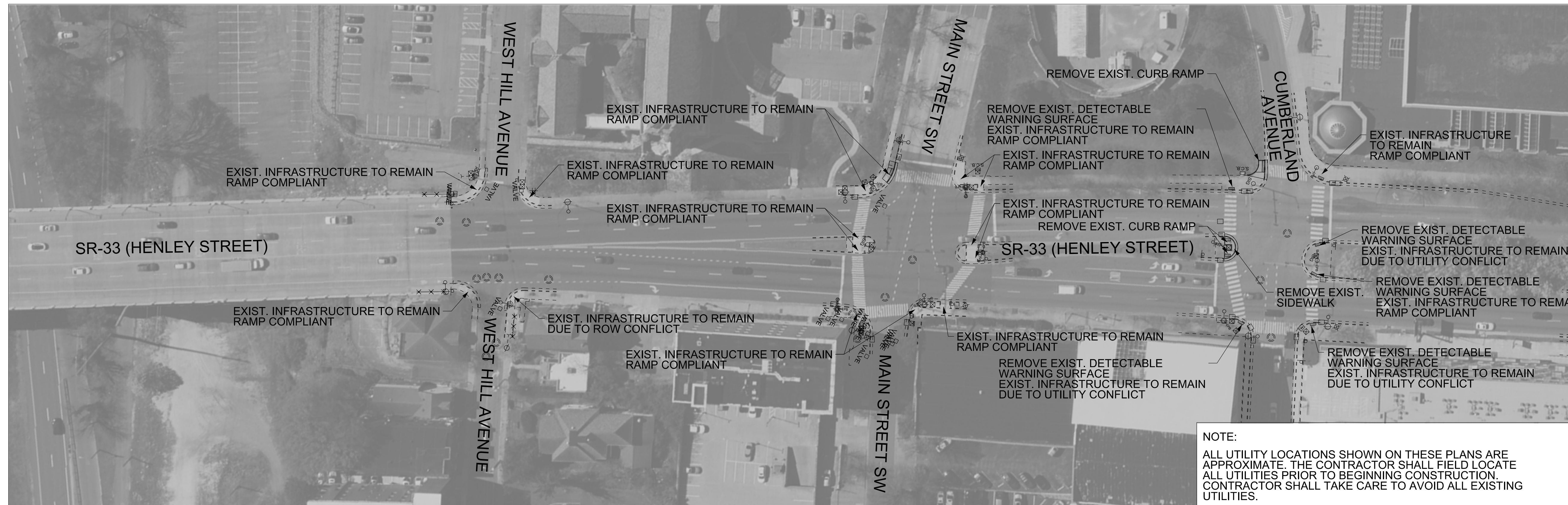
LAYOUT  
L.M. 6.40 TO L.M. 6.65

SCALE: 1"= 50'

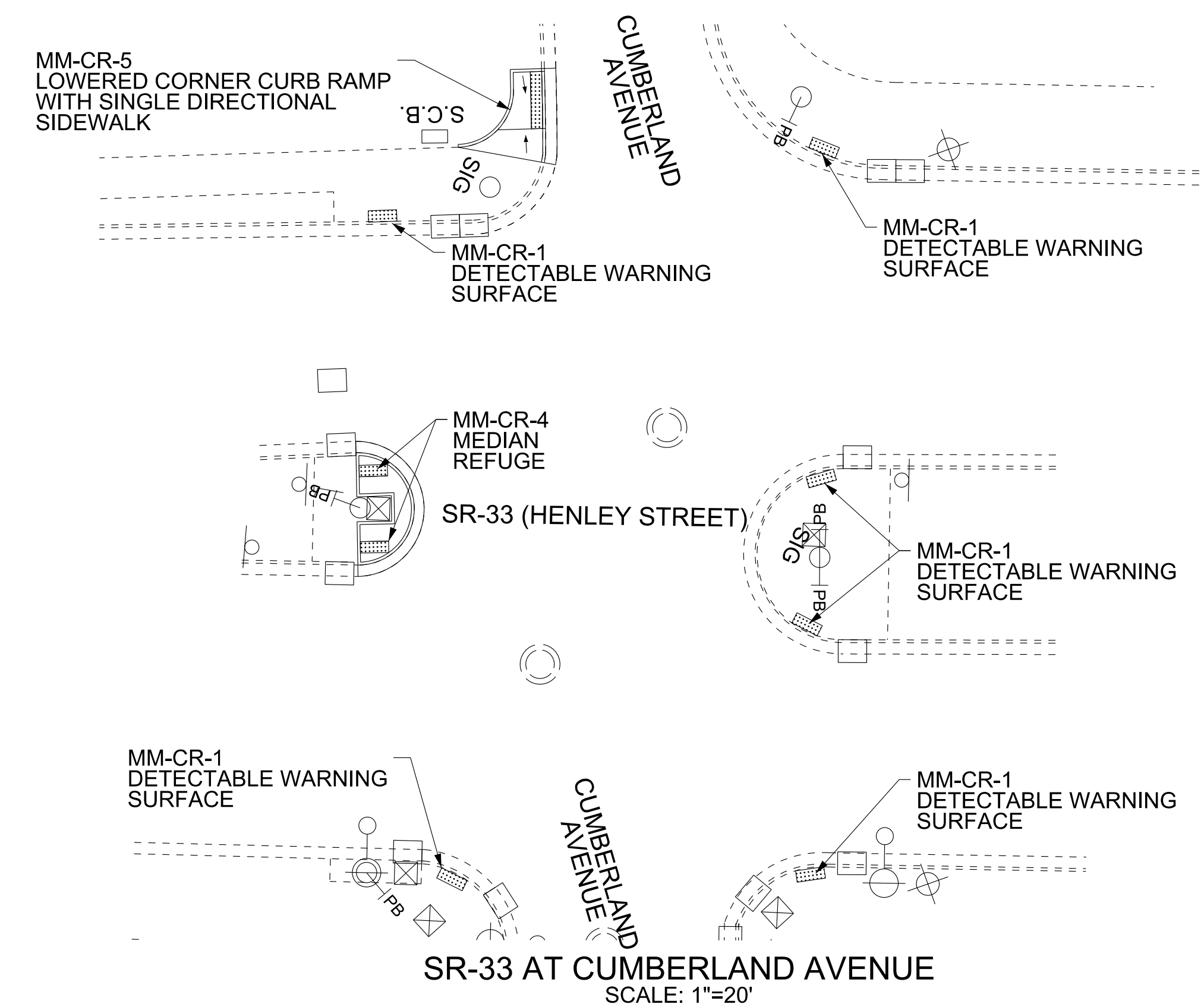
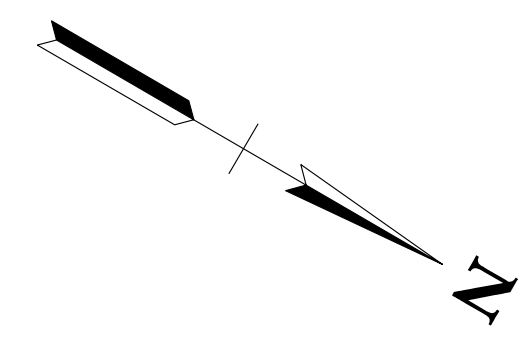
LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

\$\$\$\$\$TIMES\$\$\$\$\$  
\$\$\$\$\$DONSPE\$\$\$\$\$

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	58



NOTE:  
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\$\$\$\$\$TIMES\$\$\$\$\$  
 \$\$\$DONSPEC\$\$\$

LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

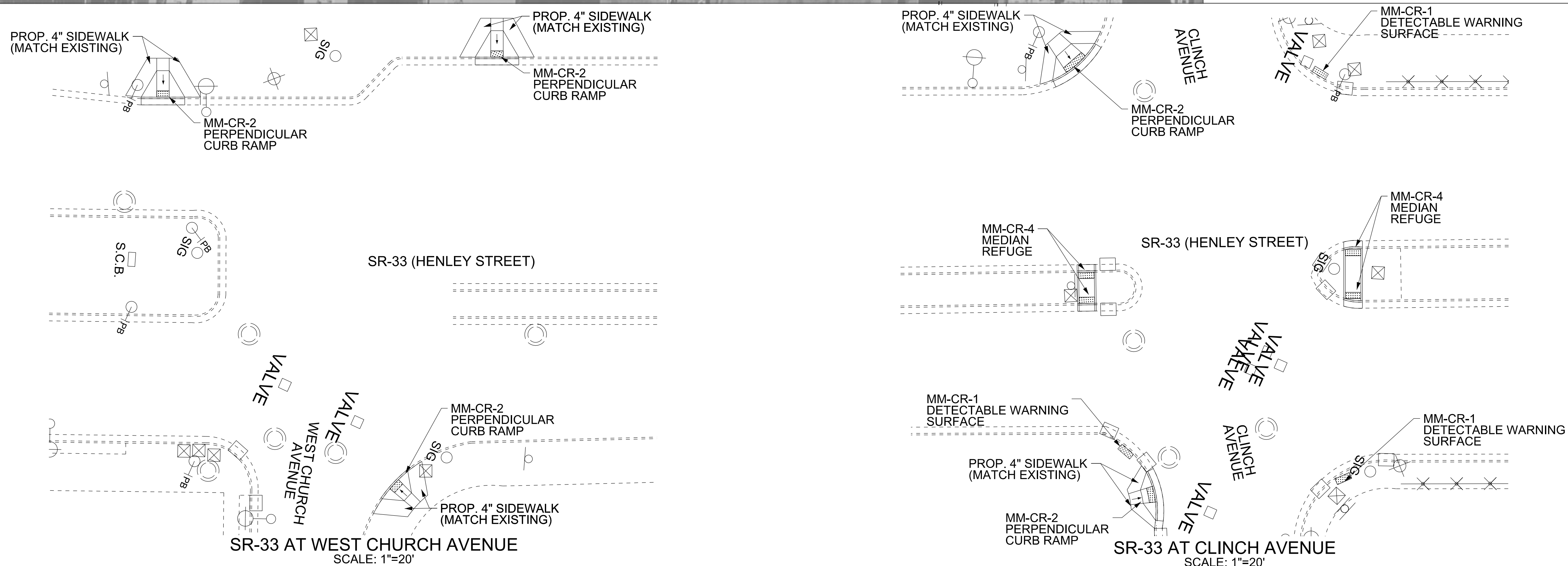
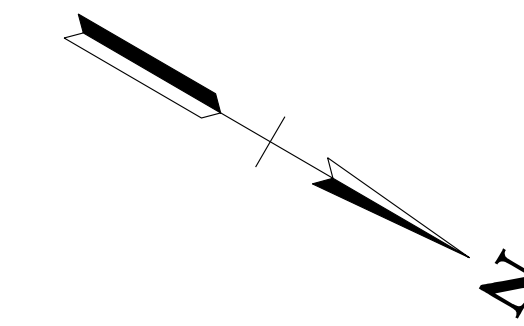
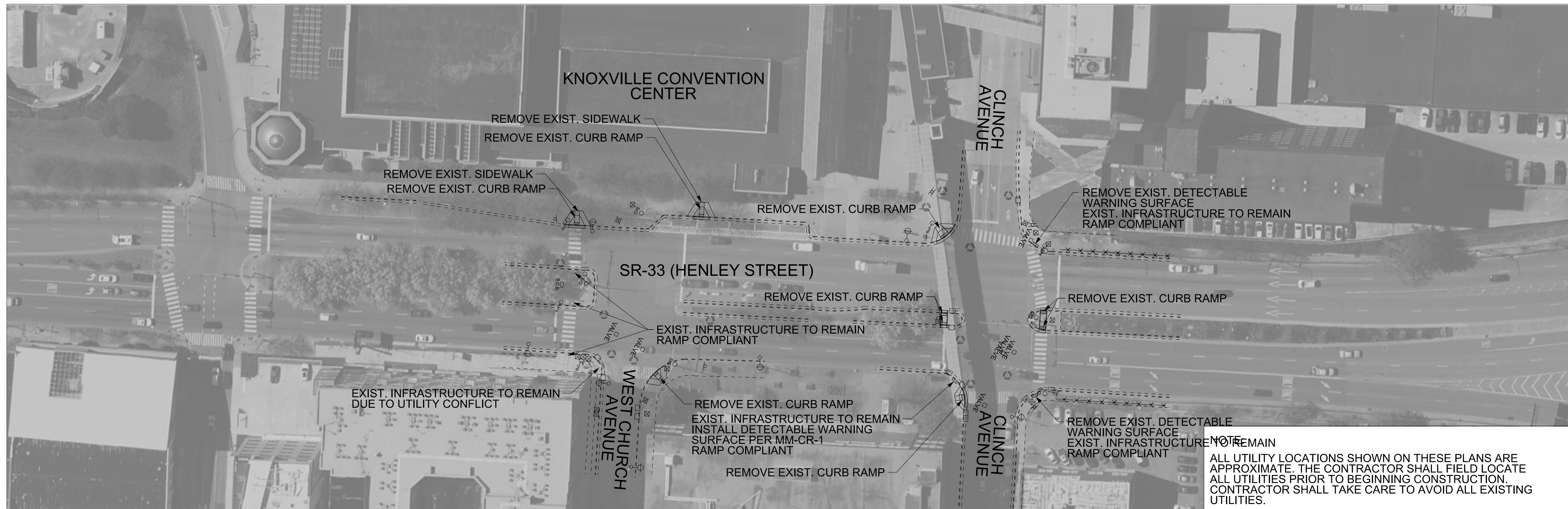
## SR-33 LOG MILE 5.72 TO LOG MILE 8.26 KNOX COUNTY

**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**

**LAYOUT**  
 L.M. 6.94 TO L.M. 7.20

SCALE: 1"= 50'

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	59



\$\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$\$\$\$DONSPEC\$\$\$\$\$

LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

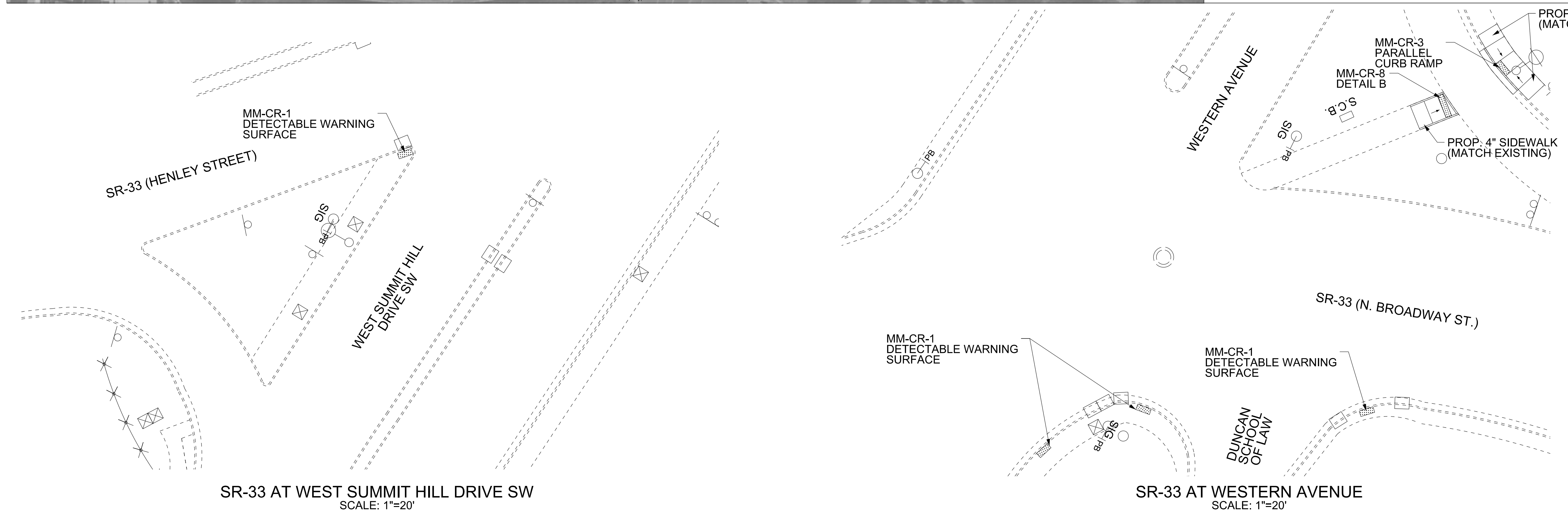
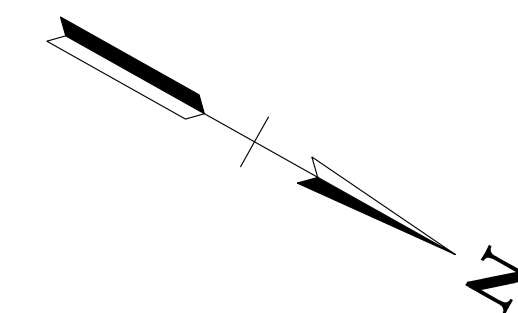
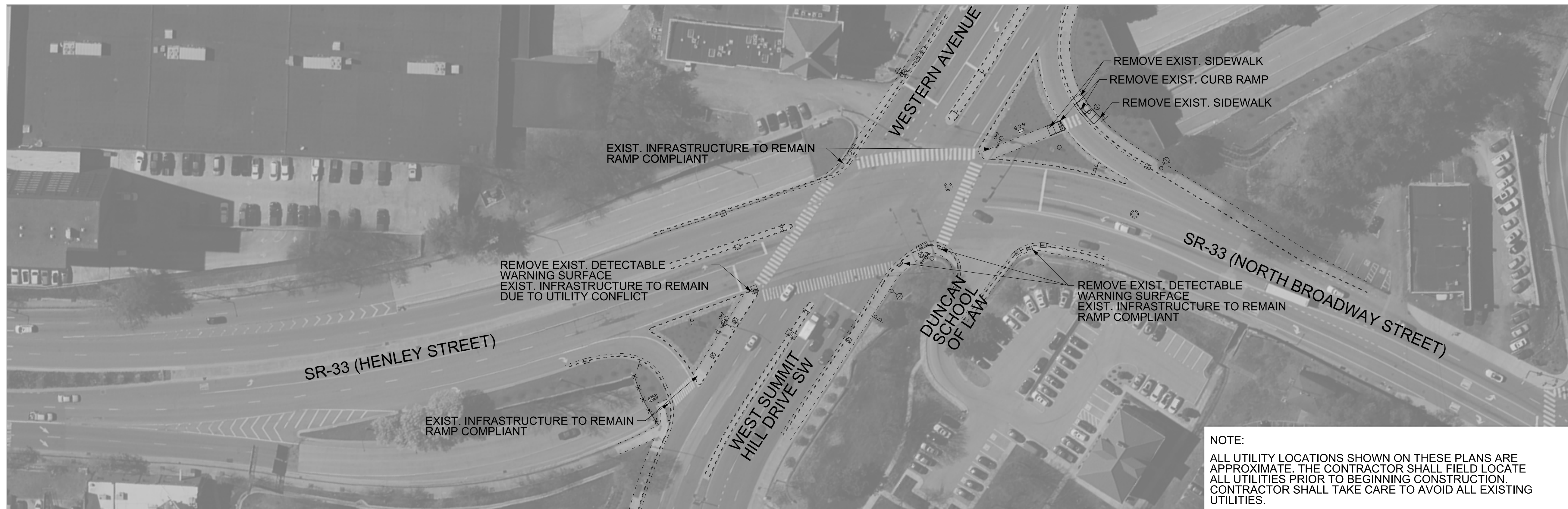
## SR-33 LOG MILE 5.72 TO LOG MILE 8.26 KNOX COUNTY

**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**

**LAYOUT**  
 L.M. 7.11 TO L.M. 7.37

SCALE: 1"= 50'

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	60



\$\$\$\$\$TIMES\$\$\$\$\$  
\$\$\$\$\$DONSPEC\$\$\$\$\$

LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

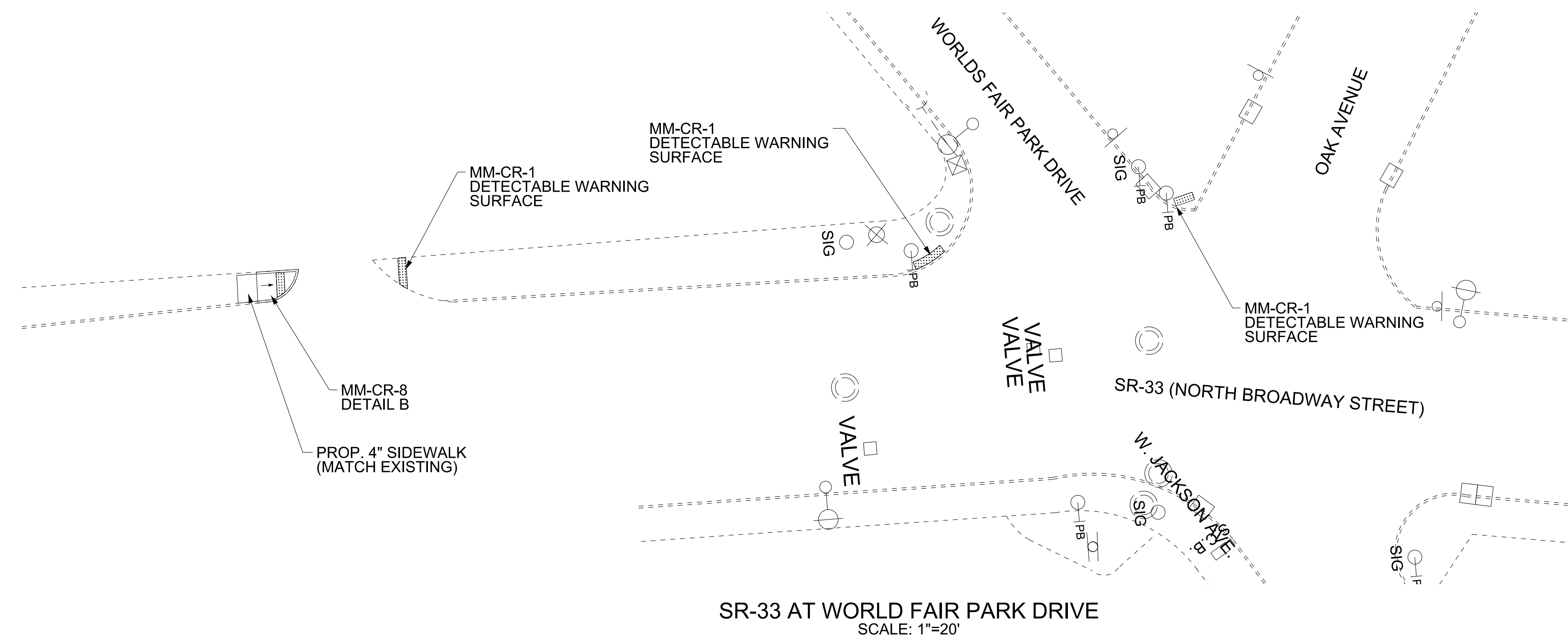
# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

SR-33  
LOG MILE 5.72 TO LOG MILE 8.26  
KNOX COUNTY

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

LAYOUT  
L.M. 7.34 TO L.M. 7.60  
SCALE: 1"= 50'

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	61



SR-33 AT WORLD FAIR PARK DRIVE  
SCALE: 1"=20'

LEGEND			
	EXISTING SIGN		EXISTING FENCE
	EXISTING FIRE HYDRANT		PROP. STOP LINE
	EXISTING WATER/GAS VALVE		PROP. CROSS WALK
	EXISTING MAIL BOX		PROP. LONGITUDINAL CROSS WALK
	EXISTING MANHOLE		
	EXISTING STORM INLET		
	EXISTING UTILITY POLE		
	EXISTING LIGHT POLE		
	EXISTING GUY WIRE		
	EXISTING SIGNAL CONTROL		
	EXISTING UTILITY BOX		
	DETECTABLE WARNING SURFACE		
	EXISTING GUARDRAIL		
	EXISTING SIGNAL POLE		
	EXISTING PED PUSHBUTTON		

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

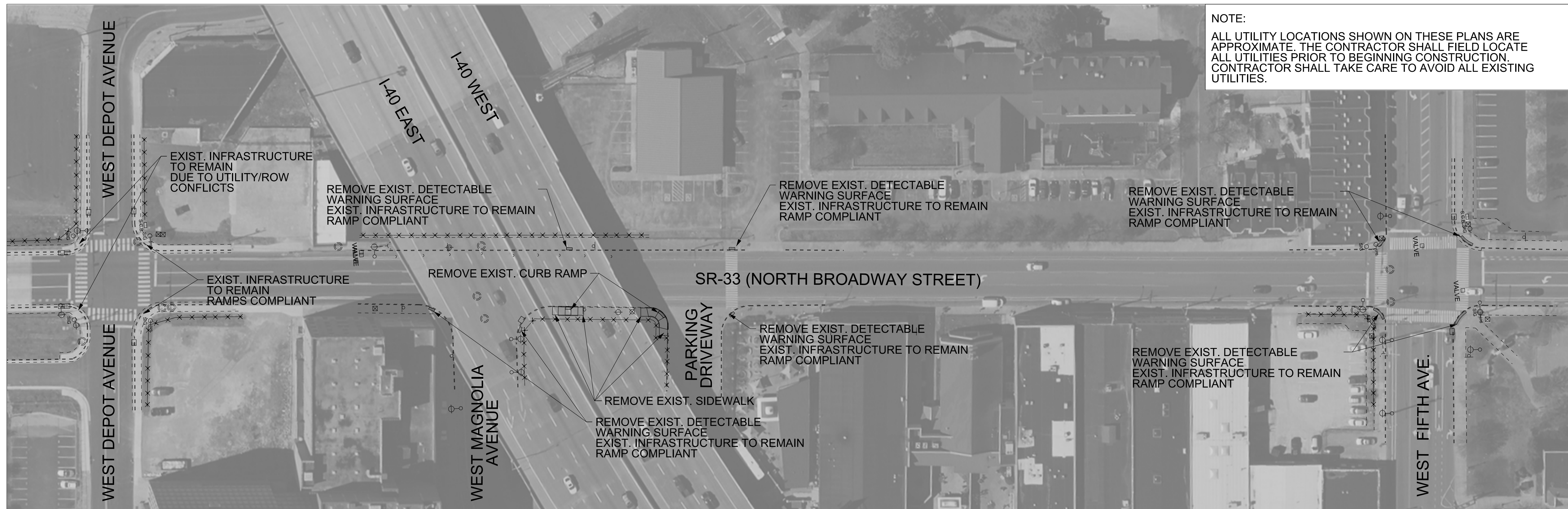
## SR-33 LOG MILE 5.72 TO LOG MILE 8.26 KNOX COUNTY

**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**

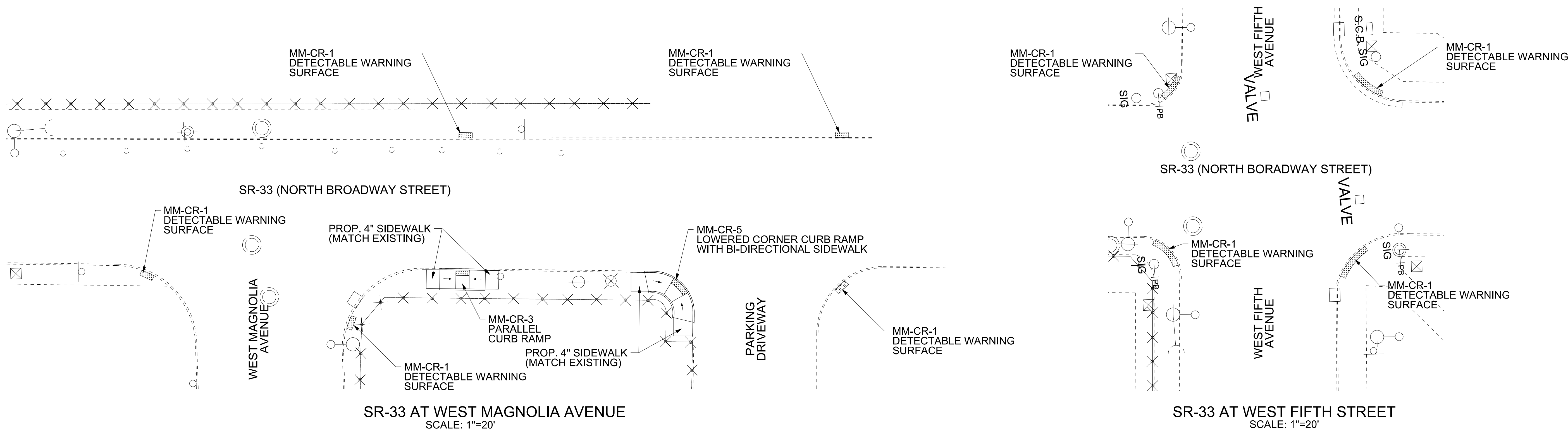
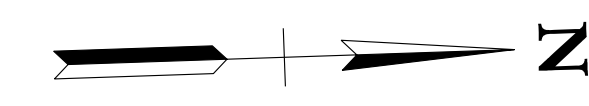
**LAYOUT**  
L.M. 7.53 TO L.M. 7.78  
SCALE: 1"= 50'

\$\$\$\$\$TIMES\$\$\$\$\$  
\$\$\$\$\$DONSPEC\$\$\$\$\$

TYPE	YEAR	PROJECT	FIGURE NO.
SAFETY	2025	R1SVAR-M3-051	62



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LEGEND		
	EXISTING SIGN	
	EXISTING FIRE HYDRANT	
	EXISTING WATER/GAS VALVE	
	EXISTING MAIL BOX	
	EXISTING MANHOLE	
	EXISTING STORM INLET	
	EXISTING UTILITY POLE	
	EXISTING LIGHT POLE	
	EXISTING GUY WIRE	
	EXISTING SIGNAL CONTROL	
	EXISTING UTILITY BOX	
	DETECTABLE WARNING SURFACE	
	EXISTING GUARDRAIL	
	EXISTING SIGNAL POLE	
	EXISTING PED PUSHBUTTON	

# TDOT REGION 1 DISTRICT 18 CURB RAMP IMPROVEMENTS

## SR-33 LOG MILE 5.72 TO LOG MILE 8.26 KNOX COUNTY

**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**

**LAYOUT**  
L.M. 7.77 TO L.M. 8.03  
SCALE: 1"= 50'

\$\$\$\$\$TIME\$\$\$\$\$  
\$\$\$\$\$DONSPEC\$\$\$\$\$

