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**Anthony Lee Washington III**  
2024.01.10 13:16:54-06'00'

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

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET .....	ROADWAY-SIGN1
TITLE SHEET .....	1
ROADWAY INDEX AND STANDARD DRAWINGS .....	1A
PROJECT COMMITMENTS .....	1B
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2A, 2A1 – 2A3
GENERAL NOTES .....	2B
SPECIAL NOTES .....	2C
ENVIRONMENTAL NOTES .....	2D, 2D1
TABULATED QUANTITIES .....	2E

YEAR	PROJECT NO.	SHEET NO.
2024	STP/HSP-96(73)	ROADWAY-SIGN 1

**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE  
SHEET**

Index Of Sheets

SEE SHEET NO. 1A

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF ENGINEERING

**WILLIAMSON COUNTY**

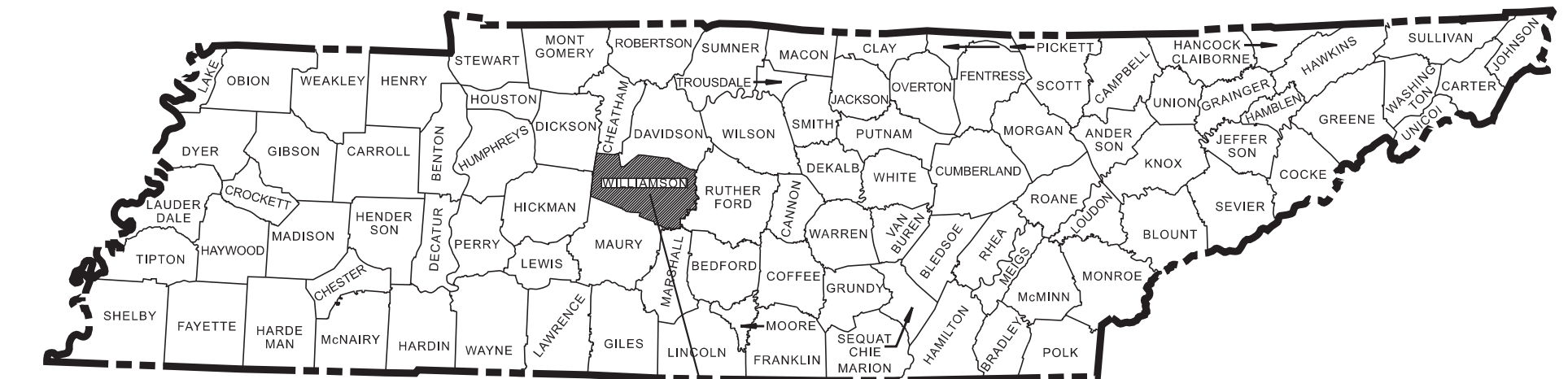
STATE ROUTE 96  
FROM DICKSON COUNTY LINE (L.M. 0.00)  
TO NEAR SR-100 (FAIRVIEW BOULEVARD) (L.M. 5.51)

RESURFACE, SAFETY, AND BRIDGE REPAIR  
COLD PLANING, 411D RESURFACING, AND PAVEMENT MARKING

STATE HIGHWAY NO. 96 F.A.H.S. NO. N/A

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

TENN.	YEAR	SHEET NO.
	2024	1
FED. AID PROJ. NO.	STP/HSIP-96(73)	
STATE PROJ. NO.	94S096-F3-005	
STATE PROJ. NO.	94S096-M3-007	
STATE PROJ. NO.	94S096-F8-005	



PROJECT LOCATION  
BRIDGE ID. # 94100400003 94SR0960002

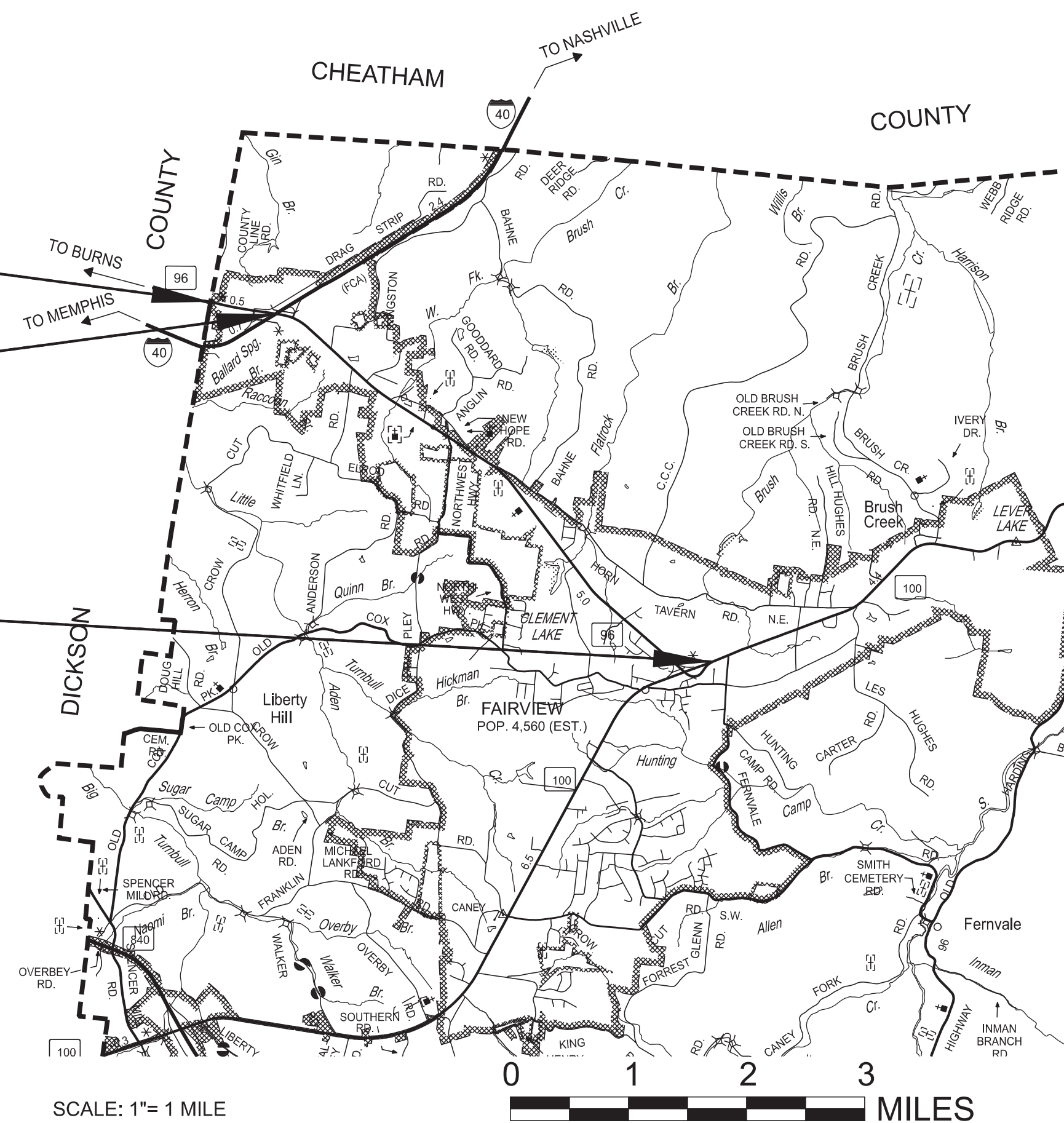
NO EXCLUSIONS



94S096-F3-005  
94S096-F8-005  
BEGIN PROJECT NO. STP/HSIP-96(73) RESURFACE, SAFETY  
AND BRIDGE REPAIR  
L.M. 0.00

BRIDGE DECK REPAIR PROJECT NO. 94S096-M3-007  
SR-96 @ L.M. 0.52

94S096-F3-005  
94S096-F8-005  
END PROJECT NO. STP/HSIP-96(73) RESURFACE, SAFETY  
AND BRIDGE REPAIR  
L.M. 5.51



SPECIAL NOTES

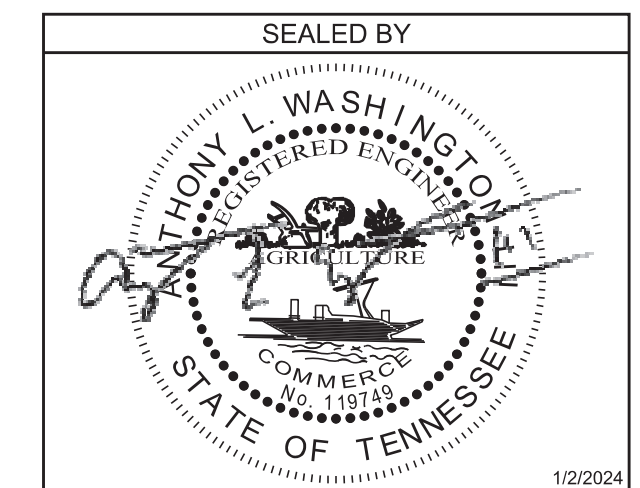
PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

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 ROAD SP. SV. 2 : MATTHEW MCKAY, P.E.  
DESIGNED BY : HDR ENGINEERING, INC.  
DESIGNER : ANTHONY L. WASHINGTON, III, P.E. CHECKED BY DAVID HORNE, P.E.  
P.E. NO. 98034-4299-04 (DESIGN)  
PIN NO. 131258.00

PROJECT LENGTH 5.51 MILES  
TOTAL LANE MILES RESURFACED 12.40 MILES

TRAFFIC DATA	
ADT (2024)	9465
LOG MILE	SPEED LIMIT
0.00 - 1.120	40 MPH
1.120 - 3.490	50 MPH
3.490 - 5.510	45 MPH



APPROVED: *Will Reid*  
WILL REID, CHIEF ENGINEER

DATE:

APPROVED: *Howard H. Eley*  
HOWARD H. ELEY, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: \_\_\_\_\_  
DIVISION ADMINISTRATOR DATE



# ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET .....	ROADWAY-SIGN1
TITLE SHEET .....	1
ROADWAY INDEX AND STANDARD DRAWINGS .....	1A
PROJECT COMMITMENTS .....	1B
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2A, 2A1 – 2A3
GENERAL NOTES .....	2B
SPECIAL NOTES .....	2C
ENVIRONMENTAL NOTES .....	2D, 2D1
TABULATED QUANTITIES .....	2E
PAVEMENT MARKING IMPROVEMENTS .....	2F, 2F1-2F4
BRIDGE REPAIR PLANS .....	B-1
NOTE: THE ALPHABETICAL LETTERS "I", "O" & "Q" ARE NOT USED IN THE NUMBERING OF SHEETS.	
NO UTILITY SHEETS.	

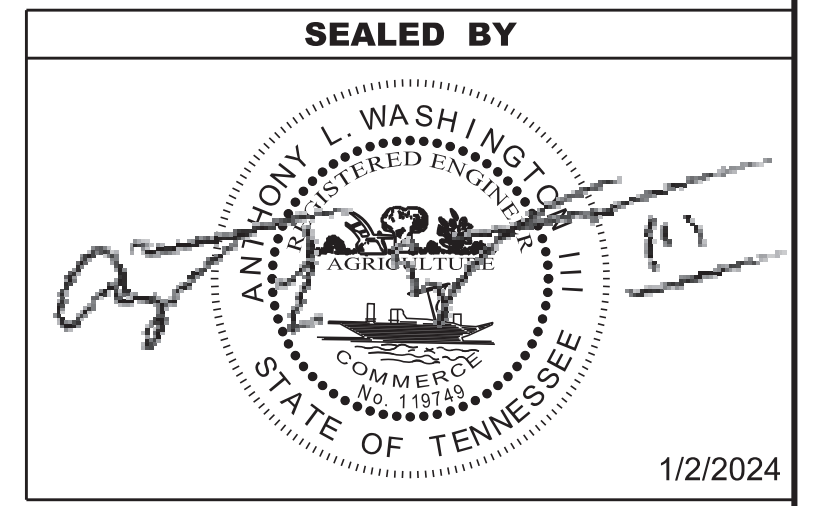
# STANDARD ROADWAY DRAWINGS

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	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
<b>DESIGN - TRAFFIC CONTROL</b>		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-07-23	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-16	03-04-21	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	02-03-20	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

# STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG.	REV.	DESCRIPTION
<b>SIGNALS</b>		
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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	1A



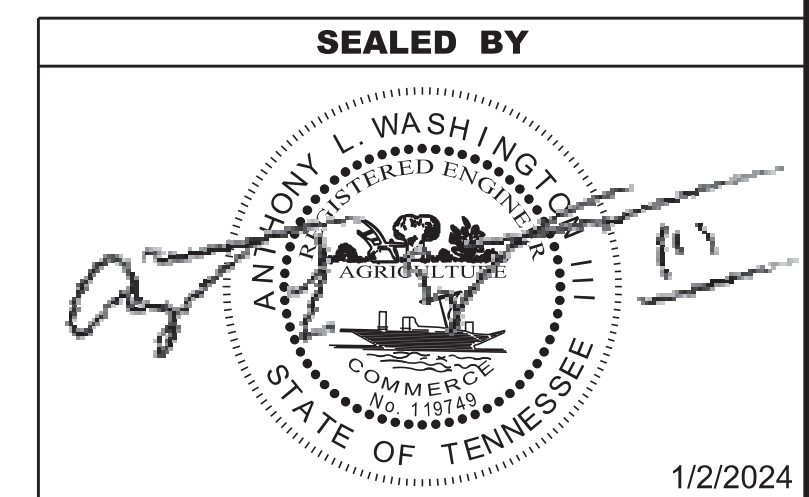
**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**  
  
 ROADWAY INDEX  
 AND  
 STANDARD  
 DRAWINGS



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSP-96(73)	1B

**PROJECT COMMITMENTS**

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	Environmental Division, Hazardous Materials	AN ASBESTOS MATERIAL (ACM) SURVEY WAS COMPLETED ON BRIDGE NO. 94100400003 SR-96 OVER I-40 LM 0.52 (94-SR096-00.52). NO ASBESTOS WAS DETECTED. PLEASE SEE THE REPORT FOR FURTHER DETAILS AND PHOTOGRAPHS. NO SPECIAL ACCOMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE STRUCTURES AND THE MATERIAL CAN BE DEPOSTIED IN A C&D LANDFILL. PRIOR TO THE DEMOLITION OR REHABILITATION OF ANY STRUCTURE (BRIDGE OR BUILDING), THE CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMMISION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TDEC DIVISION OF AIR POLLUTION CONTROL (PER TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021) SECTIONS 107.08.D AND 203.03).	T.B.D.



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

PROJECT  
COMMITMENTS



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSP-96(73)	2

### ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY		TOTAL QUANTITY
			94S096-F8-005	94S096-F3-005	
208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	11.1		11.1
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1458		1458
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	2130		2130
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	63		63
411-01.10	ACS MIX(PG64-22) GRADING D	TON	7880		7880
411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	9.6		9.6
415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	7950		7950
712-01	TRAFFIC CONTROL	LS	1		1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	110		110
712-06	SIGNS (CONSTRUCTION)	S.F.	979		979
712-08.03	ARROW BOARD (TYPE C)	EACH	1		1
716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	573		573
716-01.22	SNOWPLOWABLE RAISED PAVEMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	148		148
716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	721		721
716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	163	178	341
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	237		237
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	34		34
716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.		578	578
716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.		0.6	0.6
716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	1	1	2
716-04.04	PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)	L.F.	800		800
716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	45		45
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	19.5		19.5
716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	19.5		19.5
716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	1100		1100
717-01	MOBILIZATION	LS	1		1
730-14.02	SAW SLOT	L.F.	544		544
730-14.03	LOOP WIRE	L.F.	1088		1088

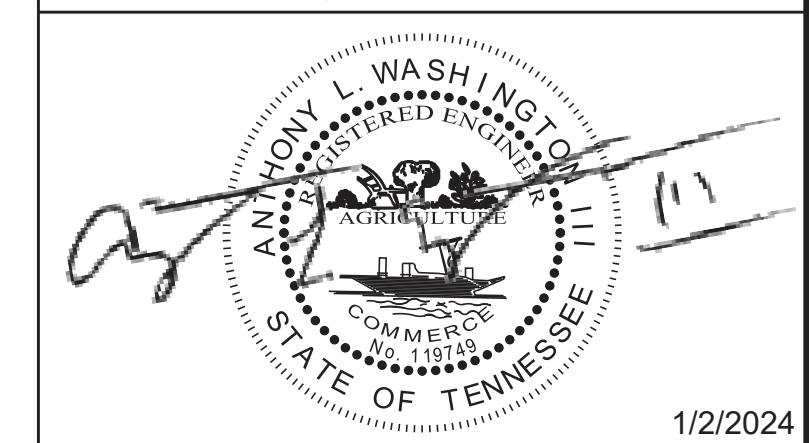
THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT

THERE ARE NO GUARDRAIL ADJUSTMENTS ON THIS PROJECT

### FOOTNOTES

- (1) NO BUILD UP OR DEBRIS TO BE LEFT ON SHOULDERS.
- (2) TO BE USED AS DIRECTED BY THE ENGINEER.
- (3) TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT REPAIRS.
- (4) INCLUDES 2 TONS FOR PRIVATE DRIVES, COUNTY ROADS, FIELD ENTRANCES, AND BUSINESS ENTRANCES.
- (5) INCLUDES 350 TONS FOR PRIVATE DRIVES, COUNTY ROADS, FIELD ENTRANCES, AND BUSINESS ENTRANCES.
- (6) INCLUDES 139 TONS FOR SPOT REPAIR.
- (7) INCLUDES 351 TONS FOR PRIVATE DRIVES, COUNTY ROADS, FIELD ENTRANCES, AND BUSINESS ENTRANCES.
- (8) THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (9) THE CONTRACTOR IS RESPONSIBLE FOR THE STAKING OF CONSTRUCTION SIGNS. IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORARILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING APPROVED BY THE ENGINEER. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO 712-06 SIGNS (CONSTRUCTION).
- (10) ALL STOP BARS ON SIDE STREETS WILL BE RETRACED AS DIRECTED BY THE ENGINEER.
- (11) 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.
- (12) ITEM TO BE USED FOR TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS.
- (13) ITEM TO BE USED AS PERMANENT MARKING FOR EGDELINES AND CENTERLINES. CENTERLINE QUANTITY BASED ON 5.0% PASSING, 28.0% NO PASS ON ONE SIDE, AND 67% NO PASS ON BOTH SIDES.

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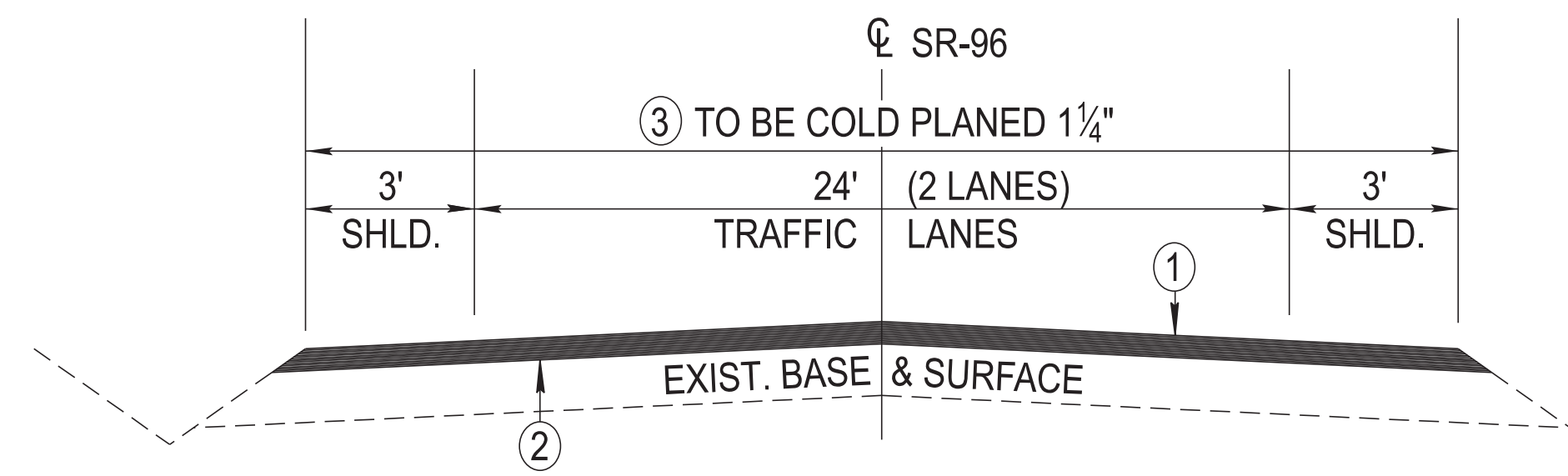


1/2/2024

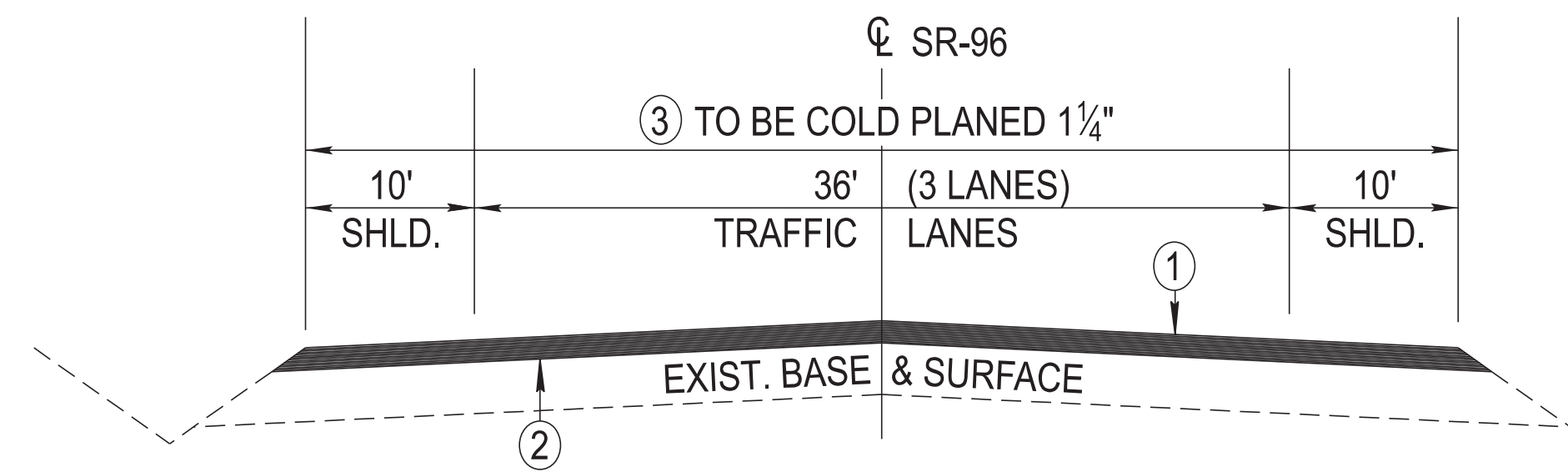
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES

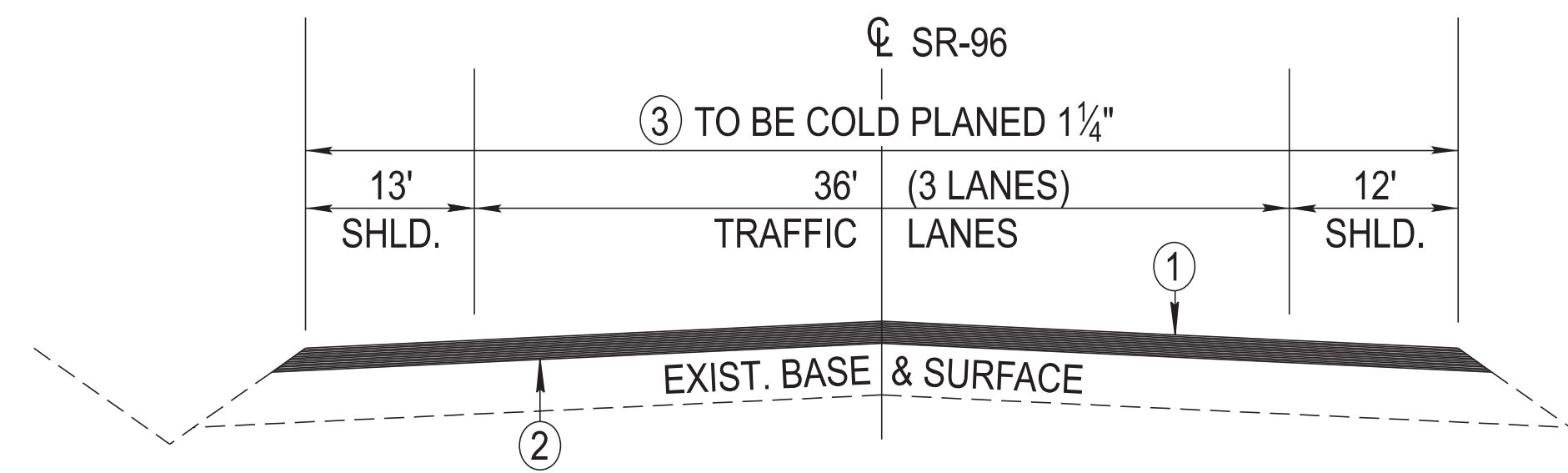
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2A



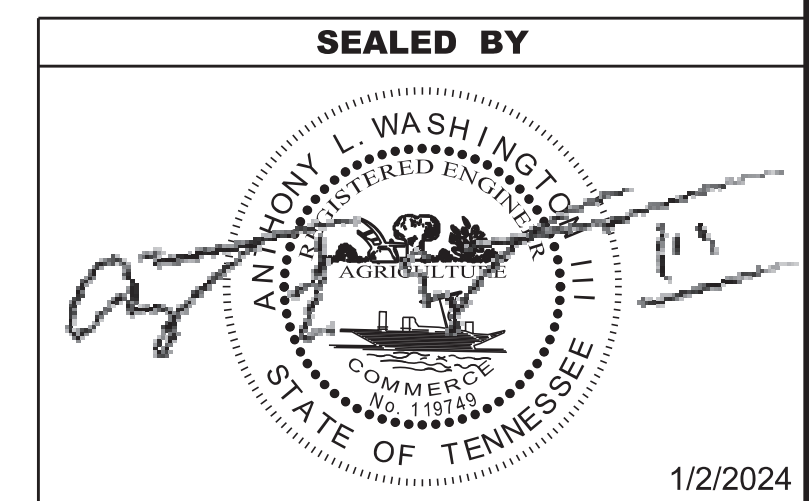
SR-96  
TYPICAL SECTION  
L.M. 0.00 TO L.M. 0.27



SR-96  
TYPICAL SECTION  
L.M. 0.27 TO L.M. 0.38



SR-96  
TYPICAL SECTION  
L.M. 0.38 TO L.M. 0.72

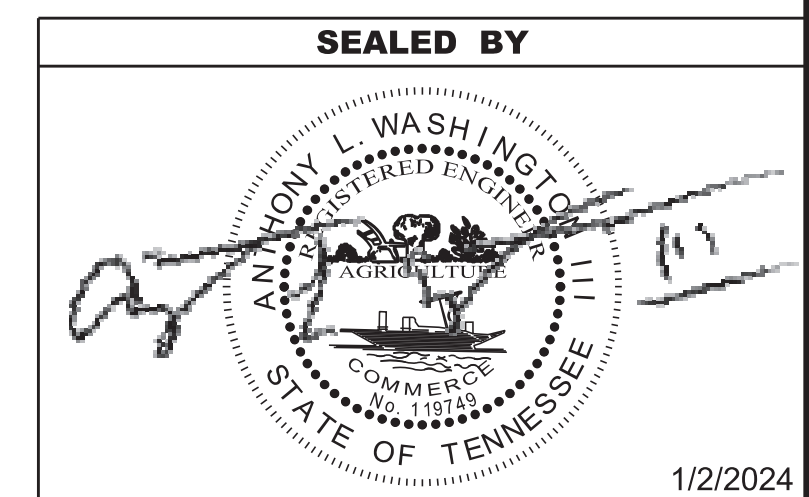
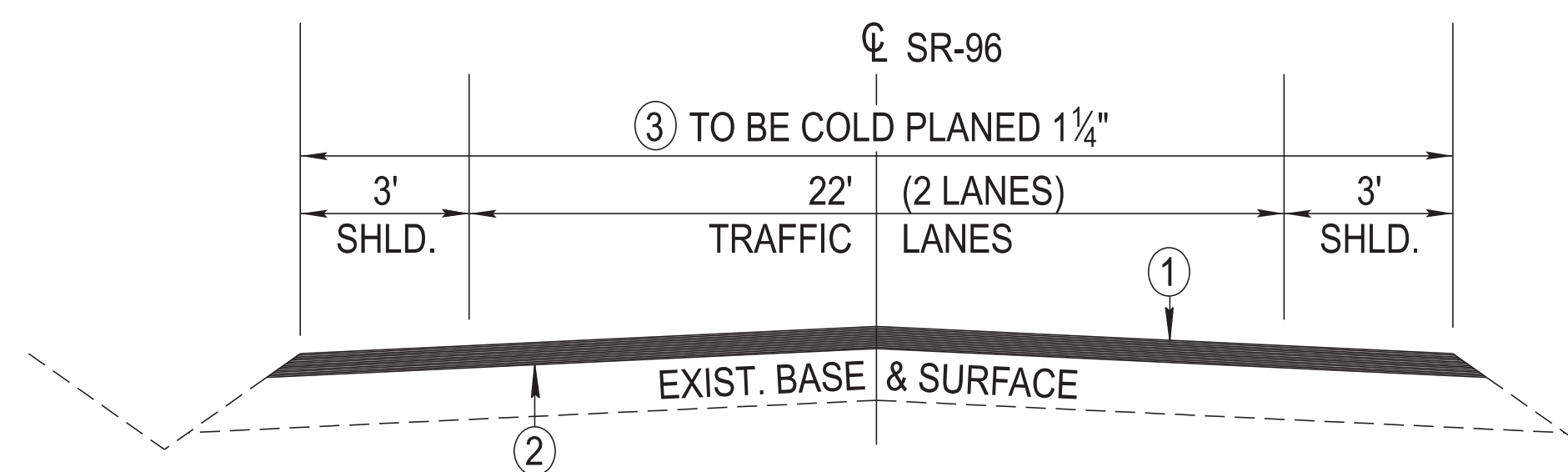
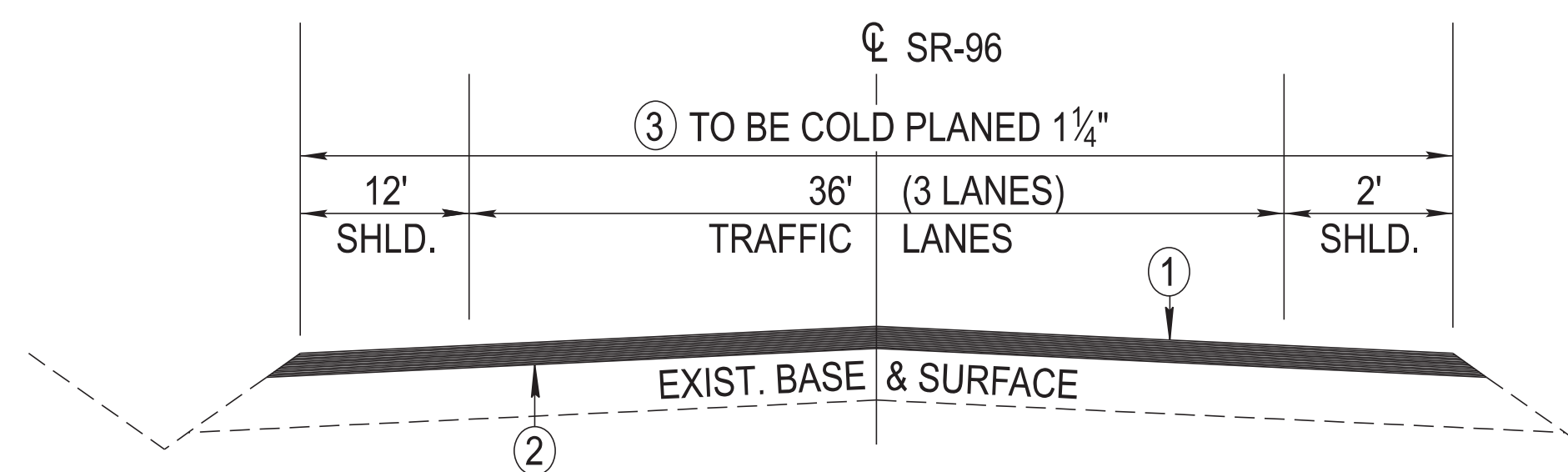
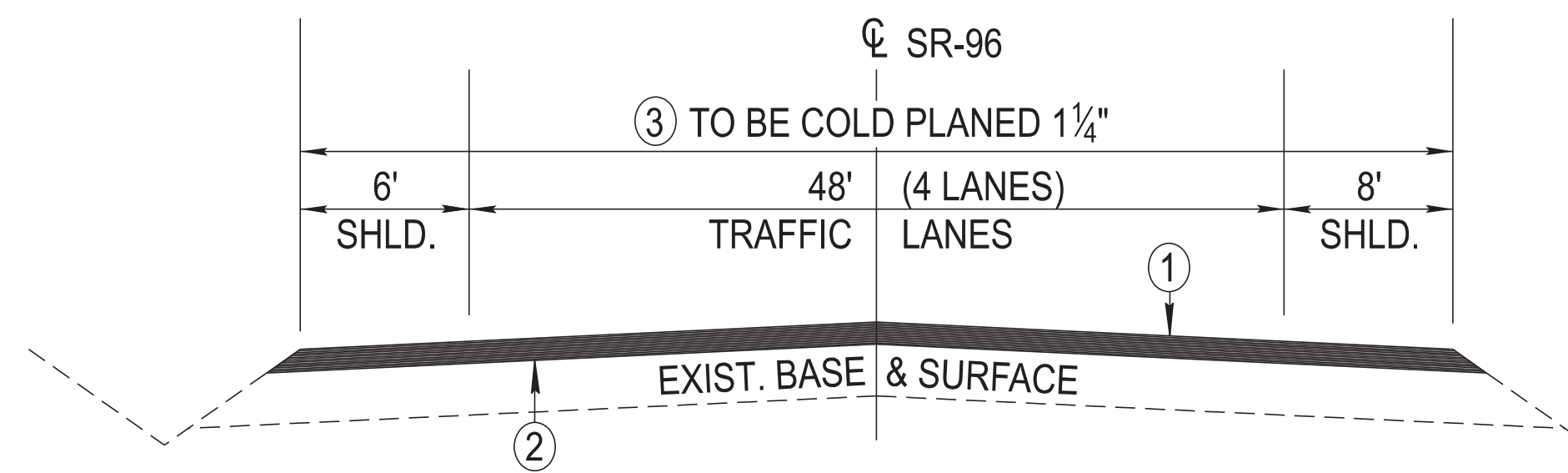


STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL  
SECTIONS AND  
PAVEMENT  
SCHEDULE



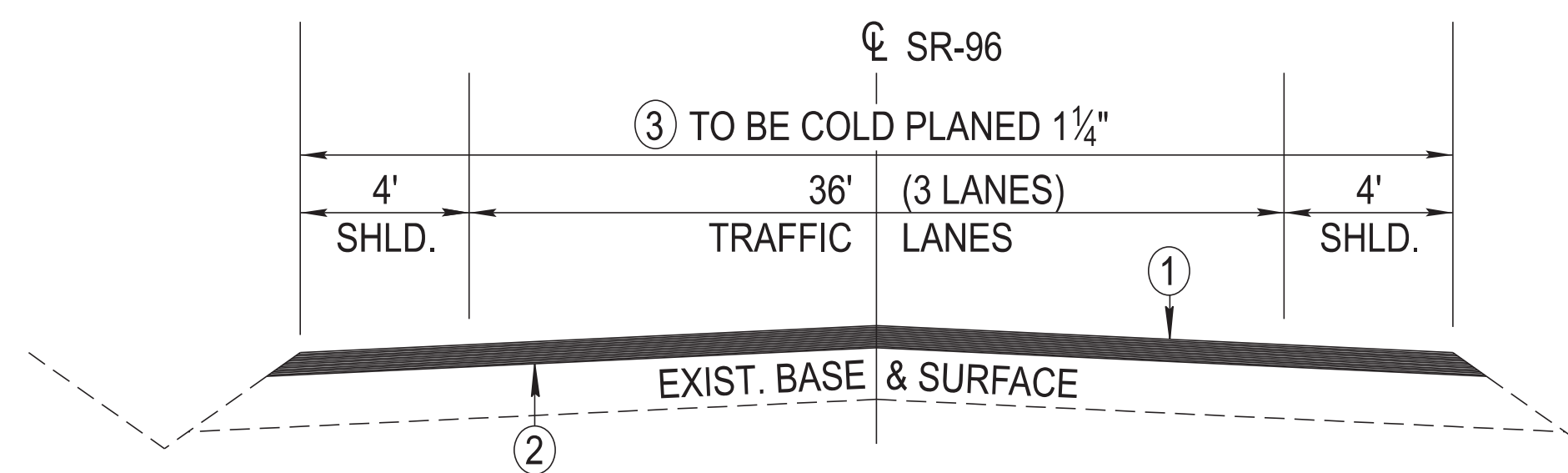
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2A1



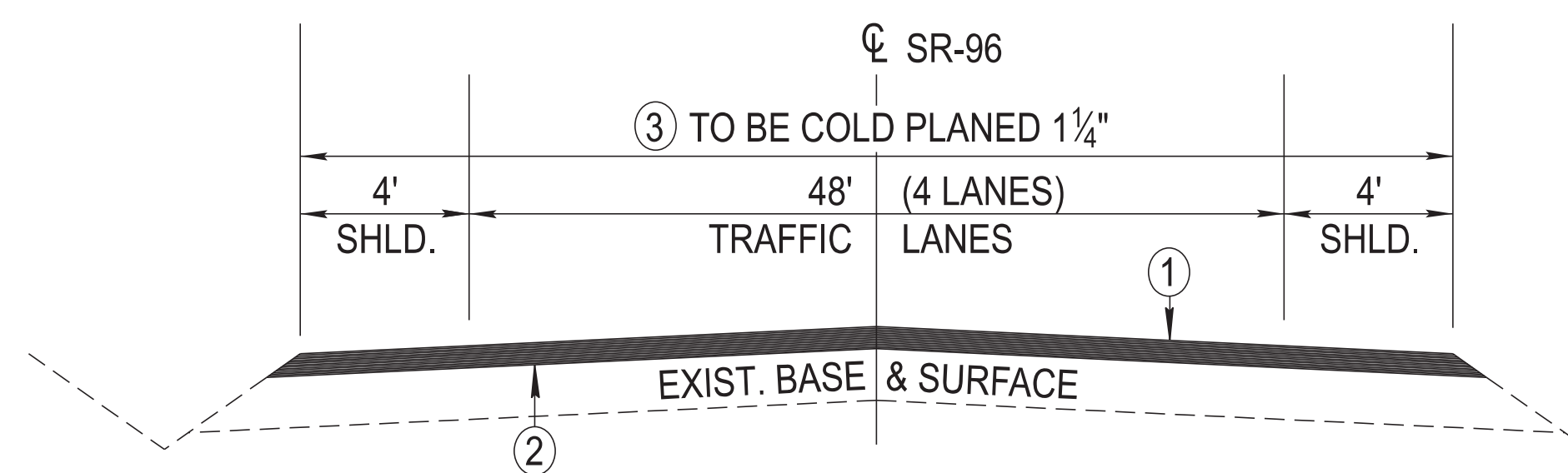
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL  
SECTIONS

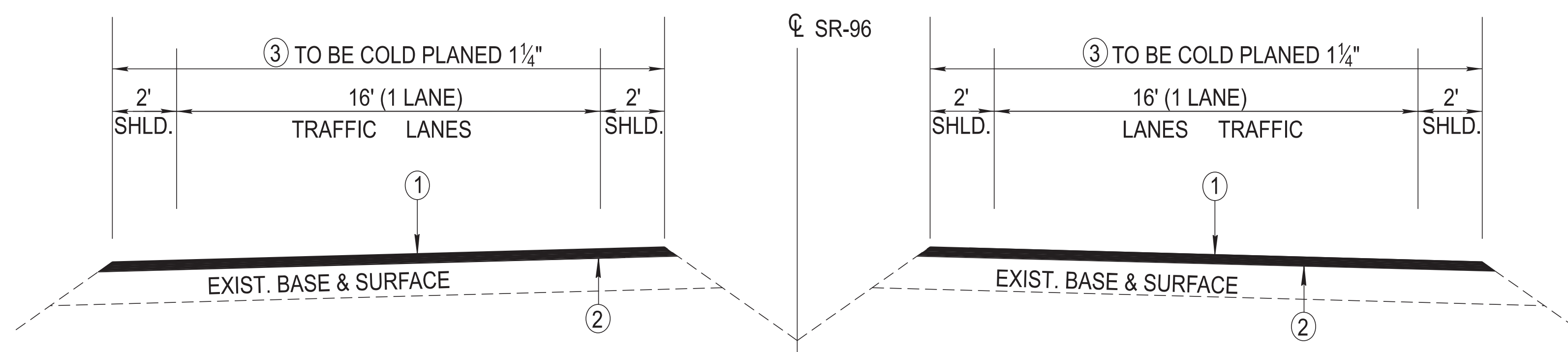
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2A2



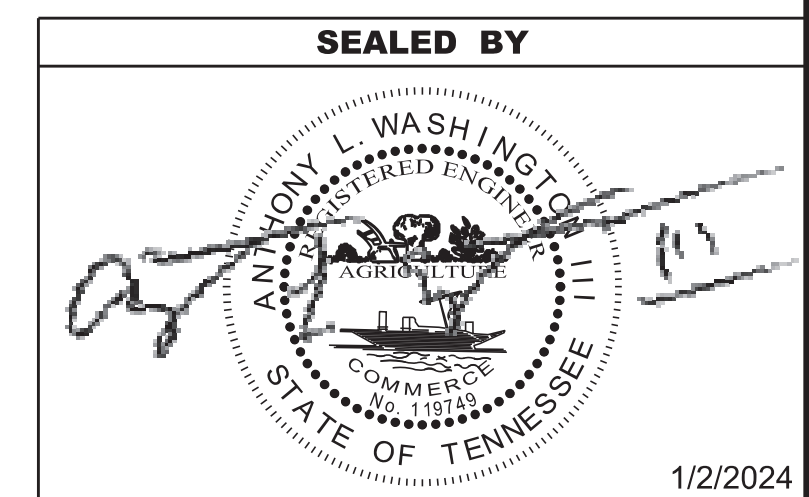
SR-96  
TYPICAL SECTION  
L.M. 4.46 TO L.M. 4.49  
L.M. 4.55 TO L.M. 4.62



SR-96  
TYPICAL SECTION  
L.M. 4.49 TO L.M. 4.55



SR-96  
TYPICAL SECTION  
L.M. 5.36 TO L.M. 5.51



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

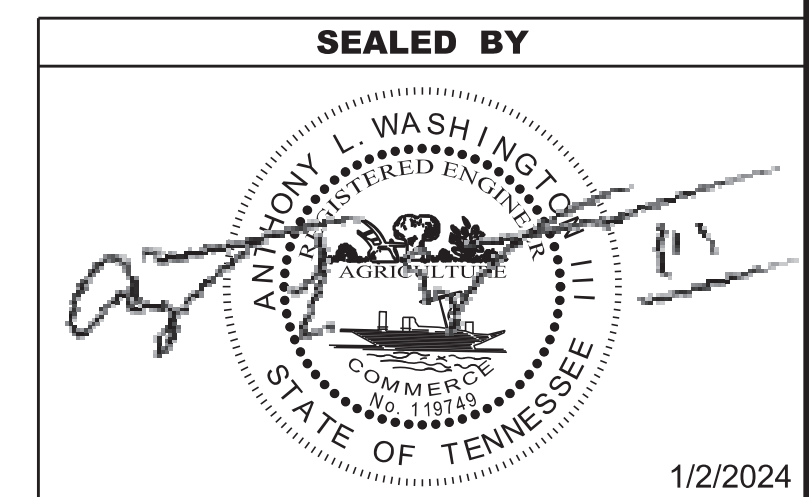
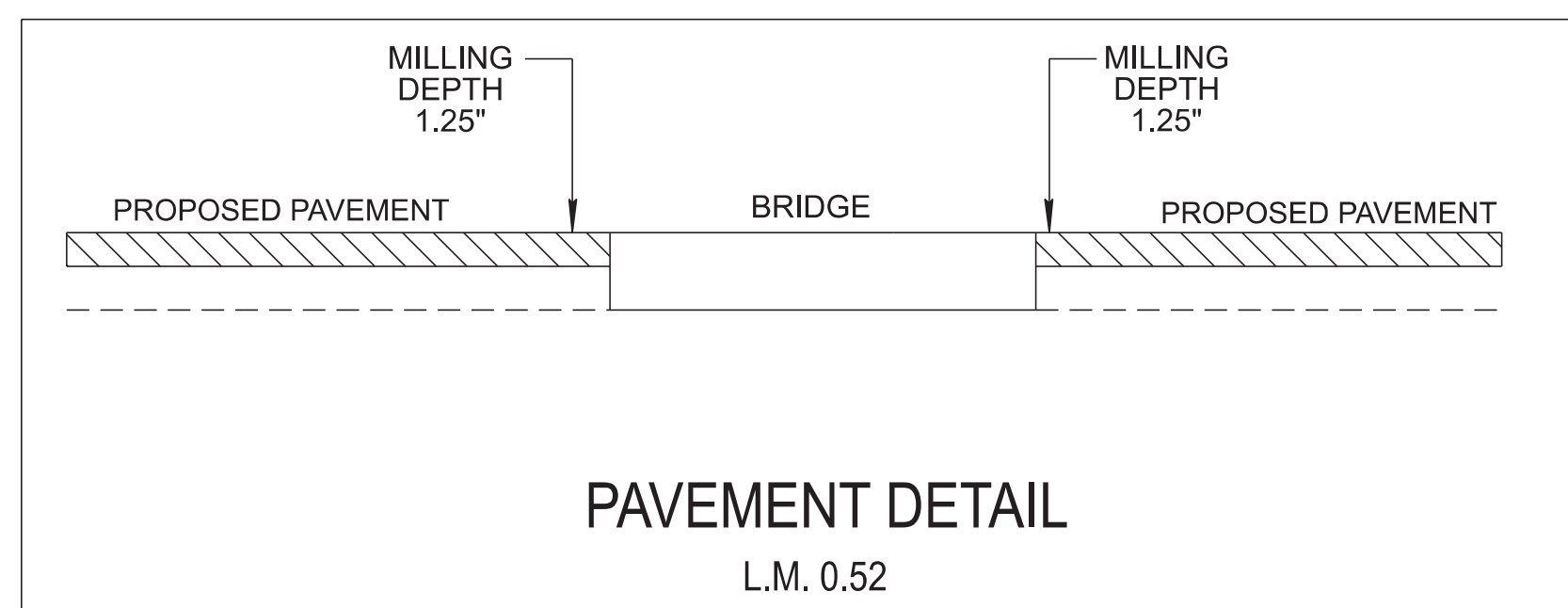
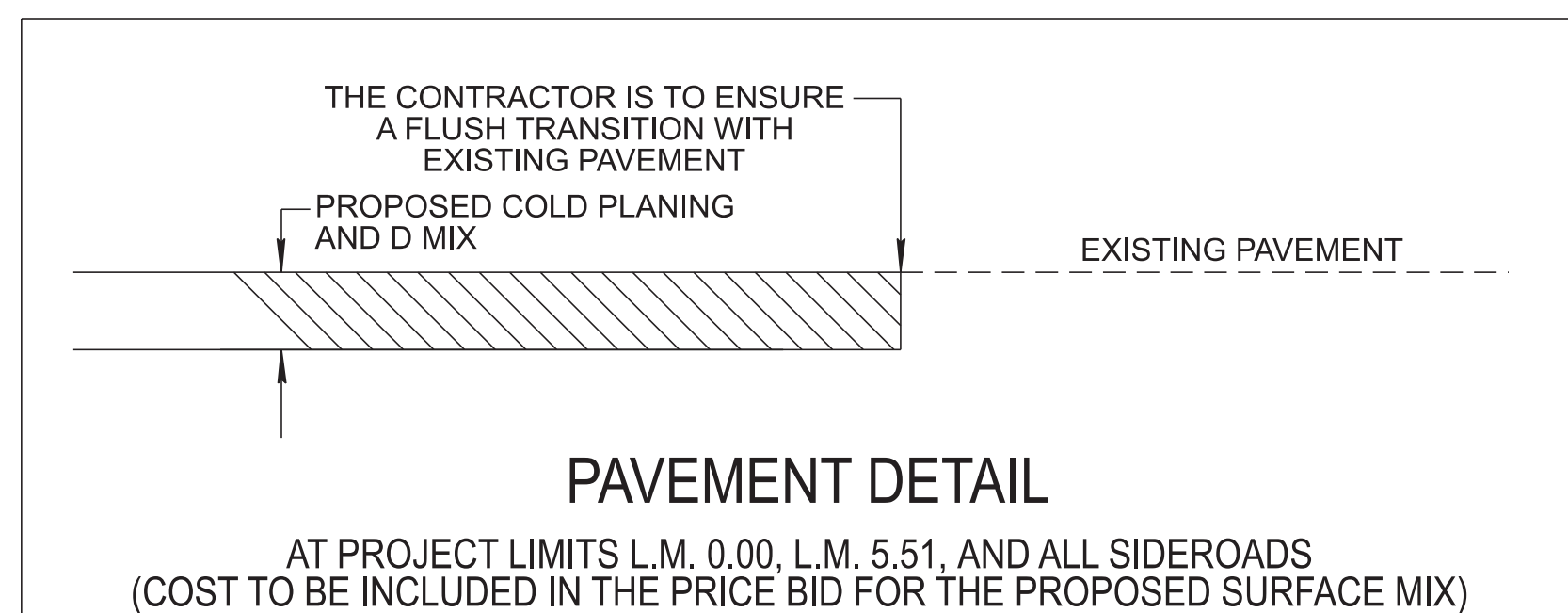
TYPICAL  
SECTIONS



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2A3

PROPOSED PAVEMENT SCHEDULE	
①	ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)  411-01.10 ACS MIX (PG64-22) GRADING "D"
②	TACK COAT  403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (TON) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
③	COLD PLANING @ 1.25" THICK (131.25 LB/S.Y.)  415-01.01 COLD PLANING BITUMINOUS PAVEMENT (TON)

NOTE: PUBLIC ROAD INTERSECTIONS WILL BE RESURFACED A PAVER WIDTH THROUGH THE INTERSECTION AT A MINIMUM. ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS WILL BE RESURFACED TO THE END OF RADIUS.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL  
SECTIONS



# GENERAL NOTES

## MISCELLANEOUS

- (2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.
- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

## PAVEMENT MARKINGS

### TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- (1) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

### FINAL PAVEMENT MARKING

- (5) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:
  - a. SHOULDERS SHALL BE BROOMED AND DE-GRASSED AND MATERIAL SHALL BE PICKED UP AND REMOVED. THIS WILL BE PAID FOR UNDER ITEM NO. 208-01.05.
  - b. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (8) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

### SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

- (19) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

## PAVEMENT

### PAVING

- (2) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

### RESURFACING

- (4) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (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.

- (6) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.
- (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.

### CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

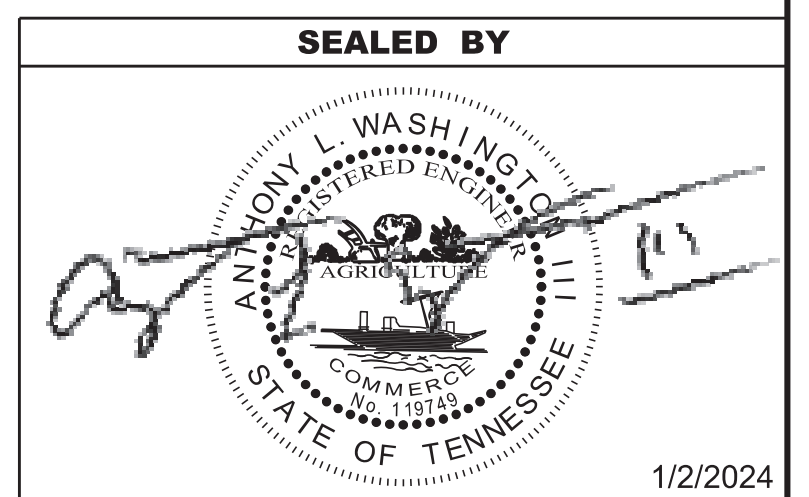
- (1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERCTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (3) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
- (4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

- (9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.

### SIGNALIZATION

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSP-96(73)	2B



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSP-96(73)	2C

# SPECIAL NOTES

## MISCELLANEOUS

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

## PAVEMENT

### PAVING

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

### RESURFACING

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

## CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

## WORK RESTRICTIONS

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

## UTILITIES

- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF 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.

## PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

- (1) 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.

## CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (4) THE CONTRACTOR SHALL COORDINATE WORK ZONE AND TRAFFIC CONTROL ACTIVITIES WITH THE CONTRACTOR OF DICKSON COUNTY PIN 131523.00 (SR-96 RESURFACING FROM SR-1 (US-70) TO WILLIAMSON COUNTY LINE).

## UTILITY OWNERS

**TELEPHONE:**  
 AT&T  
 116 S Cannon AVE  
 Murfreesboro, TN 37129  
 Lee Kornegay  
 Kk4096@att.com  
 O: 615-848-2082  
 C: 615-631-7221

**ELECTRIC:**  
 Mid TN Electric  
 555 New Salem Road  
 Murfreesboro, TN 37129  
 CHRISTOPHER WEAVER  
 ChrisWeaver@mte.com  
 O: 615-494-1068

**GAS:**  
 Duke Energy/Piedmont  
 83 Century Blvd.  
 Nashville, TN 37214  
 Nate Miller  
 Nathaniel.Miller2@duke-energy.com  
 O: 615-872-2457

Shirley Carlisle  
 Shirley.carlisle@duke-energy.com  
 O: 615-872-2450  
 C: 334-652-4770

**GAS:**  
 Atmos Energy  
 810 Crescent Centre Dr. Suite 600  
 Franklin, TN. 37067  
 Bobby Worthington  
 bobby.Worthington@atmosenergy.com  
 O:615-418-6699

**WATER, SEWER:**  
 WATER AUTHORITY OF DICKSON  
 101 COWAN ROAD  
 DICKSON, TN 37055  
 MICHAEL ROGERS  
 mrogers@wadc.us  
 O:615-441-5403  
 C:615-642-7539

**WATER:**  
 HB & TS UTILITY  
 505 Downs Blvd.  
 Franklin, TN 37064  
 Thomas Puckett  
 tpuckett\_hbts@bellsouth.net  
 O:615-794-7796 X113

**PUBLIC WORKS:**  
 City of Fairview Public Works  
 7111 Bowie Lake Rd  
 Fairview, TN 37062  
 Scott Collins, City Manager  
 scollins@fairview-tn.org  
 O: 615-387-6084

Kevin Blackburn, City Engineer  
 kblackburn@fairview-tn.org  
 O: 615-975-0919

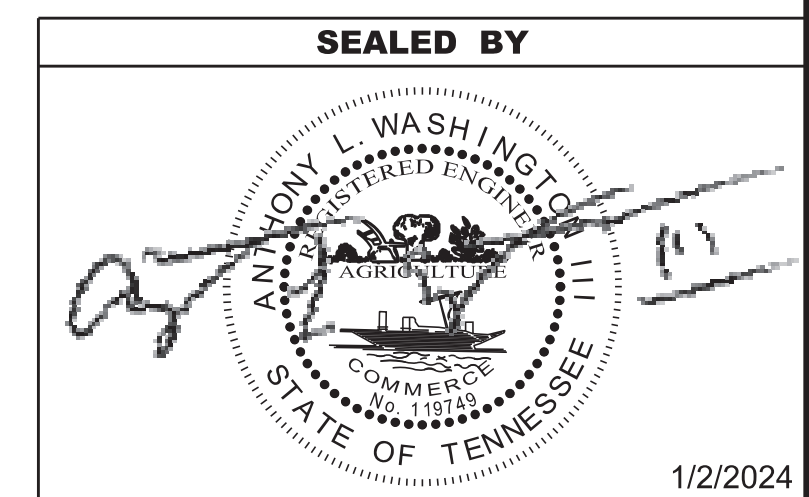
**CABLE:**  
 COMCAST  
 660 Mainstream Drive  
 Nashville, TN 37228  
 Michael Lee  
 NAS-  
 NashvilleConstructionBetterments@comcast.com  
 C: 615-504-0528

**FIBER OPTIC:**  
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 C: 615-419-6617

**FIBER OPTIC:**  
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 209 10<sup>th</sup> Ave South Ste 105  
 Nashville, TN 37203  
 Timothy Wright  
 Timothy.wright@zayo.com  
 C: 585-490-4793



STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

SPECIAL  
 NOTES



# ENVIRONMENTAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HISIP-96(73)	2D

## ENVIRONMENTAL GENERAL NOTES

### NATURAL RESOURCES

- (4) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.
- (9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

### SPECIES

- (11) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).
- (12) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

### PERMITS, PLANS & RECORDS

- (15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

## ENVIRONMENTAL SPECIAL NOTES

### ENVIRONMENTAL

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

### ECOLOGY

- (2) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.
- (3) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.
- (4) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

### SCOPE OF WORK

- (6) THIS PROJECT INCLUDES COLD PLANING, PAVING, STRIPING, TRAFFIC CONTROL, AND OTHER TASKS AS INDICATED IN THE PLANS OR AS DIRECTED BY THE TDOT ENGINEER.

## 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.

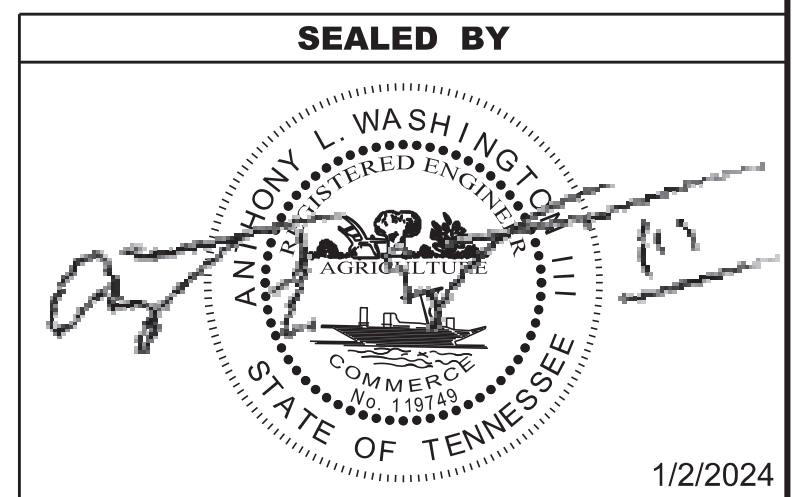
### SEDIMENT CONTROL

- (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.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL  
NOTES

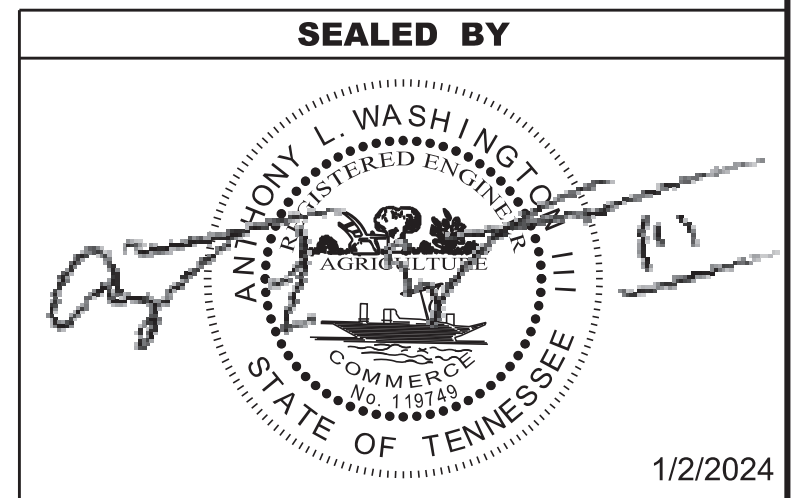


# ENVIRONMENTAL NOTES (CONT.)

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2D1

## 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.



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

**ENVIRONMENTAL  
NOTES**



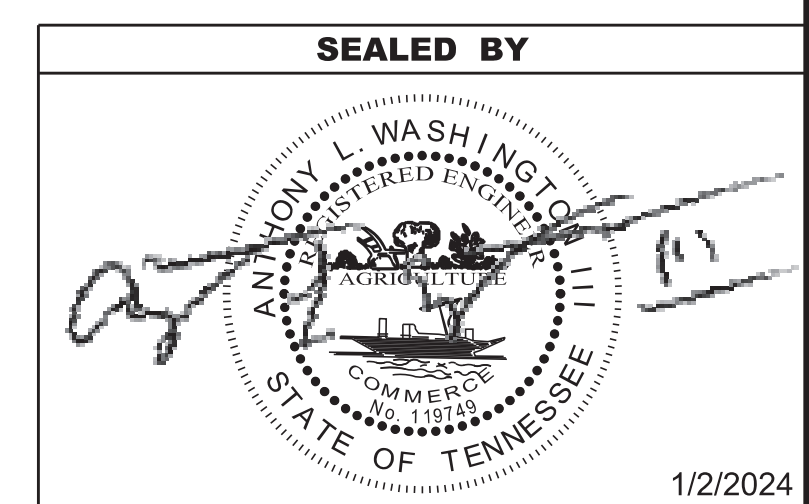
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2E

SPOT REPAIR PAVEMENT QUANTITIES (RESURFACING)					
LOCATION (LOG MILE)	LENGTH (FEET)	WIDTH (FEET)	DEPTH (INCHES)	TYPE - GRADE - PAY ITEM (TON)	
				COLD PLANING (TON)	BITUMINOUS PLANT MIX BASE (HOT MIX) B-M2 (TON)
				415-01.01	307-01.08
L.M. 3.39 TO L.M. 3.44	264'	12'	2.5"	45.2	49.7
L.M. 4.20 TO L.M. 4.23	158'	12'	2.5"	27.7	29.8
L.M. 4.58 TO L.M. 4.65	370'	12'	2.5"	64.8	69.7

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	W			
G20-1	ROAD WORK NEXT 5 MILES	48"	24"	8	2	16
G20-2	END ROAD WORK	48"	24"	8	22	176
W8-11	UNEVEN LANES	48"	48"	16	10	160
W8-15	GROOVED PAVEMENT	48"	48"	16	10	160
W8-15P	MOTORCYCLE PLAQUE	30"	24"	5	10	50
W20-1	ROADWORK 1 MILE	48"	48"	16	2	32
W20-1	ROADWORK 1/2 MILE	48"	48"	16	2	32
W20-1	ROADWORK 1000 FEET	48"	48"	16	2	32
W20-1	ROAD WORK AHEAD	48"	48"	16	20	320
W20-4	ONE LANE ROAD 1000 FT - PORTABLE	48"	48"	16	2	32
W20-7A	FLAGGER SYMBOL - PORTABLE	48"	48"	16	2	32
W21-2	FRESH OIL - PORTABLE	48"	48"	16	2	32
<b>TOTAL</b>						<b>1074</b>

### BRIDGE RECOMMENDATIONS

LOCATION	BRIDGE NO.	LENGTH (FT.)	TREATMENT
L.M. 0.52	94100400003	367.04	PROVIDE DECK REPAIR ITEM - SEAL WITH TYPE 1 THIN EPOXY OVERLAY (BRIDGE SHEETS INCLUDED)

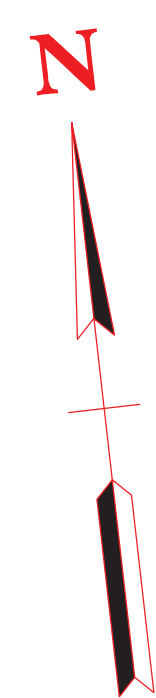


**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

TABULATED  
QUANTITIES



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2F



STATE ROUTE 96  
 0.264 LOG MILE TO 0.540 LOG MILE  
 WILLIAMSON COUNTY

NOT TO SCALE

REFERENCE STANDARD DRAWING  
 T-M-4

FOR REFERENCE ONLY  
 PROVIDED BY TDOT REGION 3 TRAFFIC

SEALED BY

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT  
 MARKING  
 IMPROVEMENTS

\$\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$DGN\$PEC\$\$\$\$\$



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2F1



8" DOTTED WHITE LINE  
2' WITH 4' SPACING  
ITEM 716-02.08

8" DOTTED WHITE LINE  
2' WITH 4' SPACING  
ITEM 716-02.08

8" SOLID WHITE LINE  
ITEM 716-02.12

12" DIAGONAL CHERVON  
CHANNELIZATION MARKINGS  
ITEM 716-02.04

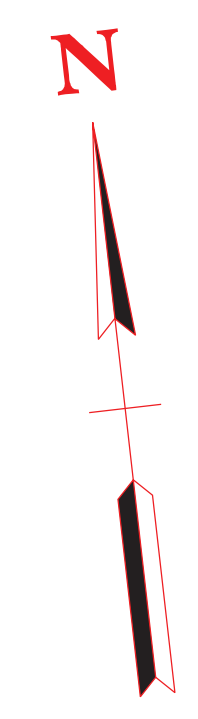
INTERSTATE 40  
WESTBOUND  
RAMPS

ADD THE WORD "ONLY"  
TO THIS ARROW  
ITEM 716-03.01

8" DOTTED WHITE LINE  
2' WITH 4' SPACING  
ITEM 716-02.08

GAS STATION

\$\$\$\$SYTIME\$\$\$\$  
\$\$\$\$DGN\$PEC\$\$\$\$



STATE ROUTE 96  
0.540 LOG MILE TO 0.755 LOG MILE  
WILLIAMSON COUNTY

NOT TO SCALE

REFERENCE STANDARD DRAWING  
T-M-3 AND T-M-4

FOR REFERENCE ONLY  
PROVIDED BY TDOT REGION 3 TRAFFIC

SEALED BY

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

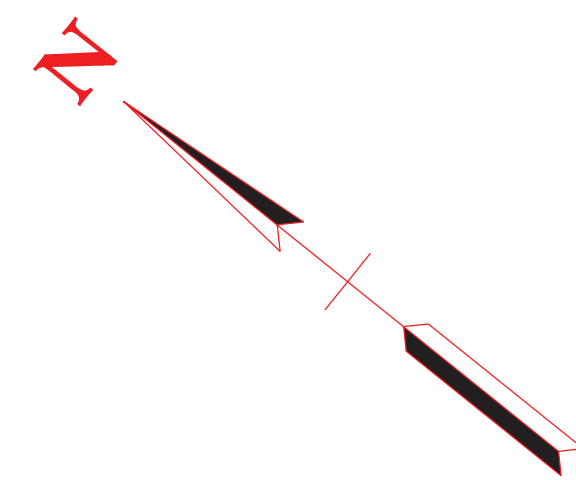
PAVEMENT  
MARKING  
IMPROVEMENTS



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2F2



STATE ROUTE 96  
 3.459 LOG MILE TO 3.66 LOG MILE  
 WILLIAMSON COUNTY



NOT TO SCALE

REFERENCE STANDARD DRAWING  
 T-M-3 AND T-M-4

FOR REFERENCE ONLY  
 PROVIDED BY TDOT REGION 3 TRAFFIC

SEALED BY

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT  
 MARKING  
 IMPROVEMENTS

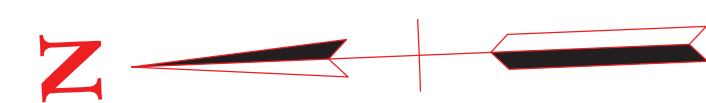
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 \$\$\$DGN\$PEC\$\$\$



TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2F3



STATE ROUTE 96  
 4.438 LOG MILE TO 4.644 LOG MILE  
 WILLIAMSON COUNTY



NOT TO SCALE

REFERENCE STANDARD DRAWING  
 T-M-4

FOR REFERENCE ONLY  
 PROVIDED BY TDOT REGION 3 TRAFFIC

SEALED BY

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT  
 MARKING  
 IMPROVEMENTS

\$\$\$\$\$TIME\$\$\$\$\$  
 \$\$\$DGN\$PEC\$\$\$\$\$



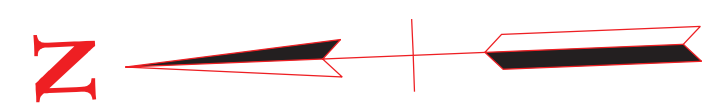
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2024	STP/HSIP-96(73)	2F4



ADD  
WHITE DOTTED LINE  
2' WITH 4' SPACING  
ITEM 716-02.08

RAMP TO  
STATE ROUTE 100  
WESTBOUND

STATE ROUTE 96  
5.057 LOG MILE  
WILLIAMSON COUNTY



NOT TO SCALE

REFERENCE STANDARD DRAWING  
T-M-4

FOR REFERENCE ONLY  
PROVIDED BY TDOT REGION 3 TRAFFIC

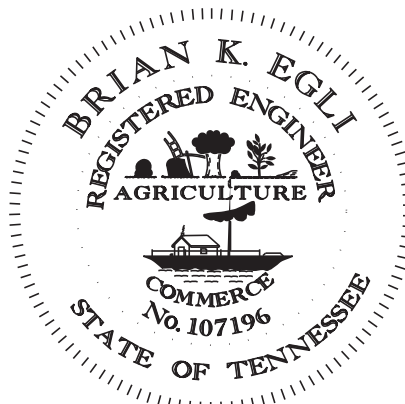
SEALED BY

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PAVEMENT  
MARKING  
IMPROVEMENTS

\$\$\$\$SYTIME\$\$\$\$  
\$\$\$\$DGN\$PEC\$\$\$\$





THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

**Brian Egli**  
2024.01.11 10:00:13 -06'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

TENNESSEE DEPARTMENT OF TRANSPORTATION  
505 DEADERICK STREET, SUITE 1200  
NASHVILLE, TN 37243  
BRIAN K. EGLI, P.E. NO. 107196

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 _____	STRUCTURE-SIGN 1
BRIDGE PLANS _____	B1 THRU B5

YEAR	PROJECT NO.	SHEET NO.
2024	945096-M3-007	STRUCTURE-SIGN 1

\$\$\$\$SYTIME\$\$\$\$  
\$\$\$\$SIGNPEC\$\$\$\$

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNATURE  
SHEET



PROJECT NO.	YEAR	SHEET NO.
94S096-M3-007	2024	B-1

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
-	-		
-	-		
-	-		
-	-		
-	-		

INDEX OF DRAWINGS

DWG. NO.

LAST  
REV. DATE

INDEX OF DRAWINGS	B1	
BRIDGE TABULATION, ESTIMATED QUANTITIES	B2	
PLANS VIEW REPAIRS LOCATIONS	B3	
PHASE CONSTRUCTION	B4	
TYPE 1 THIN EPOXY OVERLAY NOTES	B5	

INDEX OF REFERENCE DRAWINGS

DWG. NO.

LAYOUT OF THE BRIDGE	BR-76-2
CONSTRUCTION PHASING	BR-76-3

\$\$\$\$\$YTIME\$\$\$\$\$  
\$\$\$\$\$DGN\$P\$E C\$\$\$\$\$

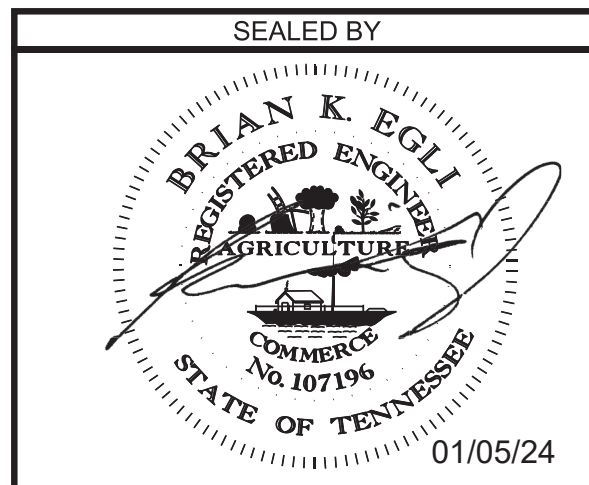
PIN NO.: 131258.00

DESIGN BY: SILESHI ERGICHO DATE: 10/23

DRAWN BY: KEVIN MARTINKO DATE: 10/23

SUPERVISED BY: KEVIN MARTINKO DATE: 10/23

CHECKED BY: DATE: 10/23

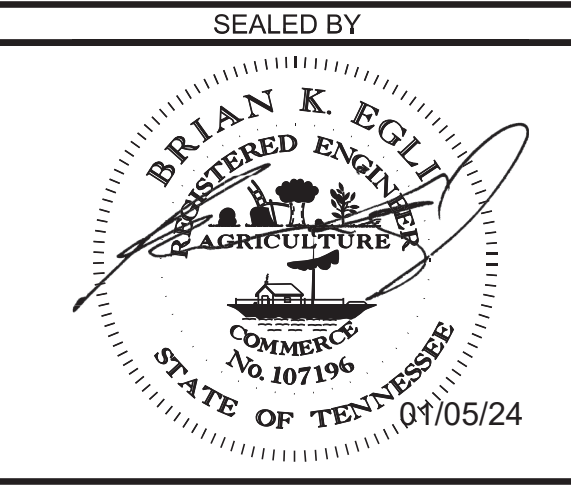


STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
INDEX OF DRAWINGS  
94-SR96-0.52  
OVER I-40  
WILLIAMSON COUNTY  
2024



PROJECT NO.	YEAR	SHEET NO.	
94S096-M3-007	2024	B-2	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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-	-	-	-
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TABULATION OF BRIDGE RELATED WORK AND ESTIMATED QUANTITIES			
LOCATION OF BRIDGE AND BRIDGE NUMBER	REFERENCE DRAWINGS TO BE PRINTED WITH CONTRACT DRAWINGS	TYPE OF WORK	617-04.01 TYPE 1 THIN EPOXY OVERLAY (EPOXY-URETHANE) S.Y.
94-SR96-0.52 OVER I-40 (94100400003)	BR-76-2 BR-76-3	TYPE 1 THIN EPOXY OVERLAY	2631
TOTAL			2631



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BRIDGE TABULATION,  
ESTIMATED QUANTITIES  
94-SR96-0.52  
OVER I-40  
WILLIAMSON COUNTY  
2024

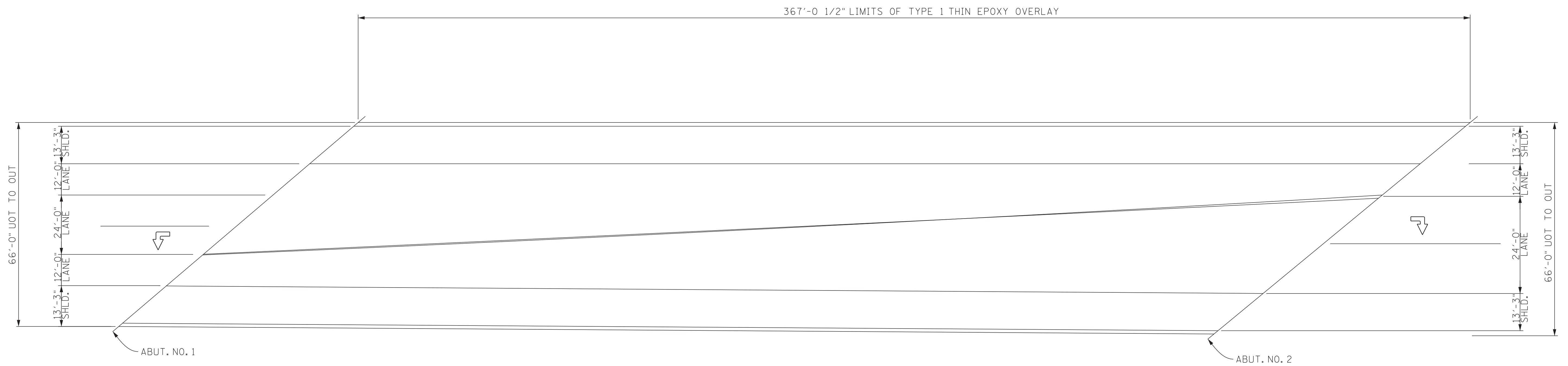
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PIN NO.: 131258.00  
DESIGN BY: SILESHI ERGICHO DATE: 10/23  
DRAWN BY: KEVIN MARTINKO DATE: 10/23  
SUPERVISED BY: DATE: 10/23  
CHECKED BY: DATE: 11

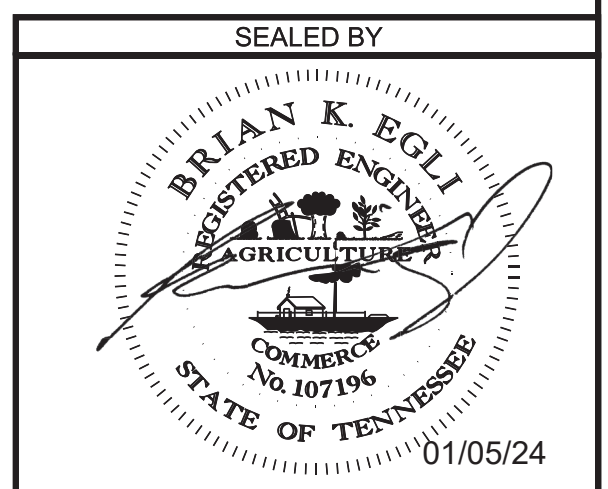




PROJECT NO.	YEAR	SHEET NO.	
94S096-M3-007	2024	B-3	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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PLAN VIEW  
94-SR96-0.52



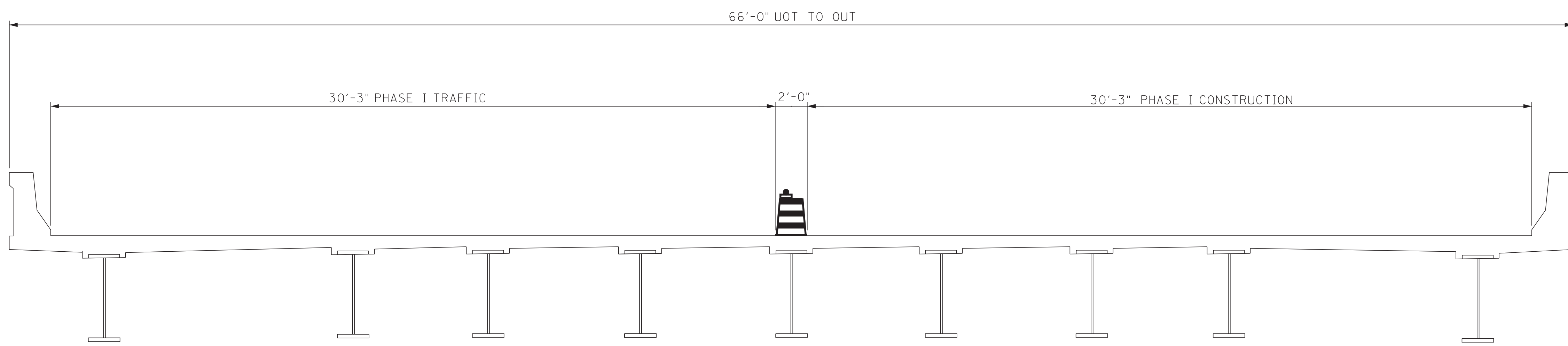
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
PLAN VIEW  
REPAIRS LOCATIONS  
94-SR96-0.52  
OVER I-40  
WILLIAMSON COUNTY  
2024

PIN NO.: 131258.00  
 DESIGN BY: SILESHI ERGICHO DATE: 10/23  
 DRAWN BY: SILESHI ERGICHO DATE: 10/23  
 SUPERVISED BY: KEVIN MARTINKO DATE: 10/23  
 CHECKED BY: DATE: //

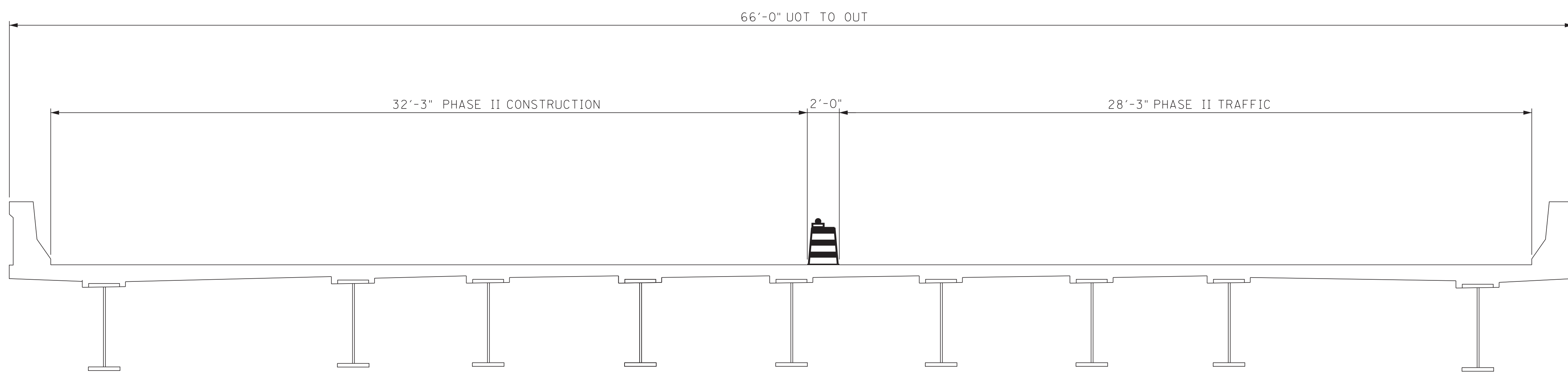


PROJECT NO.	YEAR	SHEET NO.
94S096-M3-007	2024	B-4

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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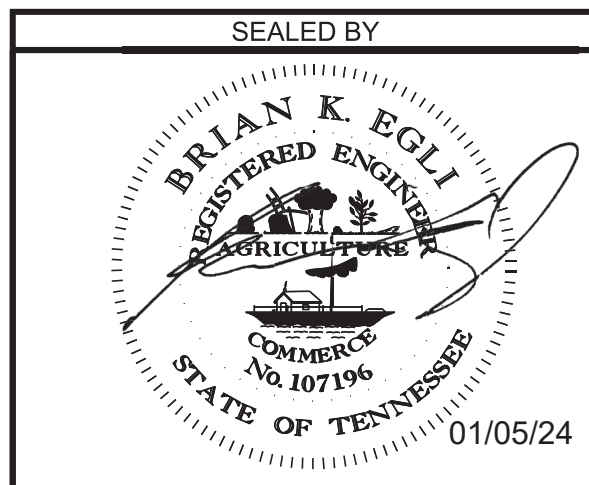
PHASE I CONSTRUCTION  
(LOOKING AHEAD ON THE SURVEY)



PHASE II CONSTRUCTION  
(LOOKING AHEAD ON THE SURVEY)

\$\$\$\$\$TIMES\$\$\$\$\$  
\$\$\$\$\$ONSPE\$\$\$\$\$

PIN NO.: 131258.00  
 DESIGN BY: SILESHI ERGICHO DATE: / /  
 DRAWN BY: SILESHI ERGICHO DATE: 10/23  
 SUPERVISED BY: KEVIN MARTINKO DATE: 10/23  
 CHECKED BY: / / DATE: / /



STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION  
 PHASE CONSTRUCTION  
 94-SR96-0.52  
 OVER I-40  
 WILLIAMSON COUNTY  
 2024



PROJECT NO.	YEAR	SHEET NO.	
94S096-M3-007	2024	B-5	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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**TYPE 1 THIN EPOXY OVERLAY NOTES :**

TYPE 1 THIN EPOXY OVERLAY SYSTEM - USE DECK PRETREATMENT/PRIMER PER MANUFACTURER'S RECOMMENDATION, AND 2 LIFTS OF AN EPOXY-URETHANE COPOLYMER AND AGGREGATE, TYPE 1 OVERLAY SHALL BE APPLIED MECHANICALLY USING METERED EQUIPMENT; HAND MIXING OF MATERIAL IS NOT PERMITTED.

THIN OVERLAY SYSTEM SHALL BE FROM THE QUALIFIED PRODUCTS LIST 23.005 TYPE 1 THIN OVERLAY (EPOXY URETHANE). MINIMUM OVERLAY THICKNESS SHALL BE 3/8 INCH.

APPLICATION EQUIPMENT SHOULD :

- A) BE CAPABLE OF METERING, MIXING AND DISTRIBUTING THE POLYMER AND PRETREATMENT TO MANUFACTURER'S RECOMMENDATION.
- B) USE AN APPLICATION MACHINE THAT FEATURES POSITIVE DISPLACEMENT VOLUMETRIC METERING PUMPS CONTROLLED BY A HYDRAULIC POWER UNIT.
- C) STORE COMPONENTS IN TEMPERATURE CONTROLLED RESERVOIRS CAPABLE OF MAINTAINING 100 DEGREES FAHRENHEIT (PLUS OR MINUS 10 DEGREES) TO INSURE OPTIMAL MIXING.
- D) CHECK MIXING RATIO AT THE PUMP OUTLETS AS WELL AS CYCLE COUNTING CAPABILITIES TO MONITOR OUTPUT ON STANDARD FEATURES.
- E) USE MOTIONLESS IN-LINE MIXING SO AS TO NOT OVERLY SHEAR THE MATERIAL TO ENTRAP AIR IN THE MIX.
- F) MAXIMIZE MATERIAL WORKING TIME BY MIXING IT IMMEDIATELY BEFORE DISPENSING.

AGGREGATE SHALL BE ANGULAR, HAVING LESS THAN 0.2% MOISTURE AND FREE OF DIRT, CLAY, ASPHALT AND OTHER FOREIGN OR ORGANIC MATERIALS. AGGREGATE FOR ALL LAYERS SHALL BE BAUXITE OR FLINT ROCK PRODUCTS FLINT AND MEETS THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING
NO. 6	95-100
NO. 10	10-35
NO. 20	0-3

FULL AND PARTIAL DEPTH DECK REPAIR SHALL CURE A MINIMUM OF 28 DAYS BEFORE THE OVERLAY IS PLACED. THE 28 DAYS MAY BE WAIVED IF THE OVERLAY MANUFACTURER PROVIDES A METHOD OF TESTING THE REPAIRED AREAS AND APPROVES THE PLACEMENT BY LETTER. TRAFFIC SHALL BE ALLOWED TO USE THE BRIDGE DURING THE CURING PERIOD OF THE PATCHES BUT NOT AFTER SHOTBLASTING. MAGNESIUM PHOSPHATE BASED MATERIALS WILL NOT BE ALLOWED.

THE CONCRETE DECK SURFACE SHALL BE CLEANED BY SHOTBLASTING TO REMOVE ANY OIL, DIRT, RUBBER, TRAFFIC STRIPING, OR ANY OTHER POTENTIAL DETRIMENTAL MATERIAL SUCH AS CURING COMPOUND AND LANTANCES, WHICH THE MANUFACTURER AND ENGINEER'S OPINION WOULD PREVENT PROPER BONDING AND CURING OF THE MATERIAL. IN AREAS WHERE SHOTBLASTING EQUIPMENT CAN NOT REACH (I.E., ALONG CURBS AND BRIDGE RAILS) SANDBLASTING IS PERMITTED TO AN EXTENT TO THE ENGINEER'S AND MANUFACTURER'S APPROVAL. IMMEDIATELY BEFORE APPLICATION, ALL PREPARED SURFACES SHALL BE CLEANED WITH COMPRESSED AIR OR VACUUMED TO REMOVE DUST AND DEBRIS. THE CONTRACTOR IS TO PREVENT THE TRACKING OF TACK COAT AND CONSTRUCTION DEBRIS ACROSS THE BRIDGE DECK PRIOR TO THE APPLICATION OF THE THIN OVERLAY. MILLING THE BRIDGE DECK WILL NOT BE AN OPTION FOR TACK COAT OR DEBRIS REMOVAL. REMOVAL SHALL BE AT THE CONTRACTOR'S EXPENSE.

ALL SURFACES THAT ARE TREATED SHALL BE DRY AT THE TIME OF APPLICATION. THE OVERLAY SHALL NOT BE APPLIED WHEN IT HAS RAINED 24 HOURS PRIOR TO, OR RAIN IS FORECAST WITHIN 8 HOURS AFTER, APPLICATION. THE MOISTURE CONTENT IN THE DECK SUBSTRATE SHALL BE TESTED. MOISTURE IS NOT TO EXCEED 4.5 PERCENT WHEN MEASURED BY ELECTRONIC METER. IF THE TEST SHOWS EXCESS MOISTURE, THE DECK SHALL CONTINUE TO DRY BEFORE APPLICATION PROCEEDS.

BLUSHING (A WAXY SURFACE COATING ON THE EPOXY) IS CAUSED BY THE REACTION OF MOISTURE WITH THE HARDENING AGENT. BLUSHING CREATES A SURFACE THAT MAKES FUTURE LAYERS DIFFICULT TO ADHERE. LIFTS THAT SHOW SIGNS OF BLUSHING SHALL BE REMOVED AND REPLACED PRIOR TO APPLICATION OF THE NEXT. THE COST TO REMOVE AND REPLACE THESE AREAS SHALL BE AT THE CONTRACTOR'S EXPENSE.

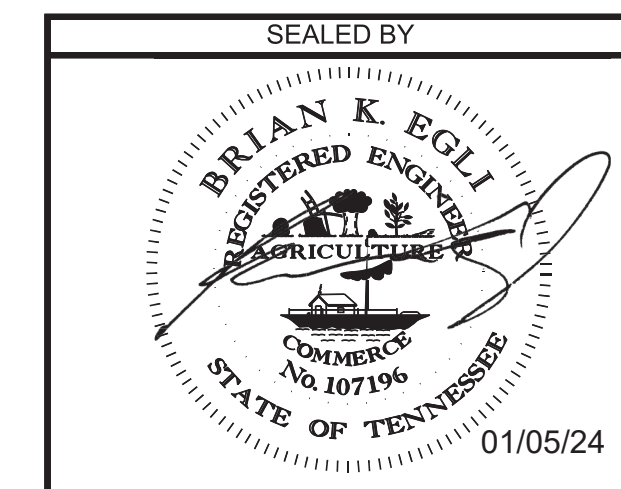
TRAFFIC, OTHER THAN APPLICATION EQUIPMENT, SHALL NOT BE ALLOWED ON ANY PORTION OF THE DECK THAT HAS BEEN SHOTBLASTED OR WHERE PART OF THE APPLICATION HAS BEEN PLACED.

SEE MANUFACTURER'S RECOMMENDATIONS FOR REQUIRED AMBIENT AND SURFACE TEMPERATURES AND HUMIDITY LIMITS FOR APPLICATION.

THE MANUFACTURER SHALL HAVE A REPRESENTATIVE ON THE JOB SITE AT ALL TIMES DURING APPLICATION AND CURE TIME. THE REPRESENTATIVE, ALONG WITH CONSULTATION WITH ENGINEER, MAY SUSPEND ANY ITEM OF WORK THAT IS SUSPECT AND DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS. WORK SHALL NOT RESUME UNTIL THE ENGINEER AND REPRESENTATIVE ARE SATISFIED THAT APPROPRIATE REMEDIAL ACTION HAS BEEN TAKEN BY THE CONTRACTOR.

ALL COSTS FOR AGGREGATE, EPOXY FOR MINIMUM OF TWO LIFTS, SURFACE PREPARATION, LABOR AND ANY OTHER MISCELLANEOUS MATERIALS REQUIRED TO PLACE THIN OVERLAY SHALL BE INCLUDED IN ITEM NO. 617-04.01, TYPE 1 THIN EPOXY OVERLAY (EPOXY URETHANE), S.Y.

THICKNESS VERIFICATION: THE PROJECT ENGINEER SHALL BE NOTIFIED OF THE NUMBER OF GALLONS USED ON THE PROJECT WITH NOTARIZED QUANTITY STATEMENTS FROM THE CONTRACTOR AND THE MANUFACTURER. THE CONTRACTOR SHALL VERIFY TO TDOT THAT THE OVERLAY IS AN AVERAGE OF AT LEAST 3/8 INCH THICK AT THREE RANDOM LOCATIONS AGREED UPON BY THE PROJECT ENGINEER AND THE MATERIAL MANUFACTURER REPRESENTATIVE. IF 3/8 INCH AVERAGE IS NOT ACHIEVED, A RETEST SHALL BE PERFORMED IN ADJOINING AREAS. THIN AREAS SHALL BE RE-COATED AS DESCRIBED ABOVE BY THE CONTRACTOR AND RE-VERIFIED AT NO ADDITIONAL COST TO TDOT. THIS VERIFICATION MAY CONSIST OF CORES MADE BY THE CONTRACTOR WITH A CORING BIT NOT LESS THAN 1-1/2" DIAMETER. THE TESTED AREAS SHALL BE REPAIRED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE BY THE PROJECT ENGINEER.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
TYPE 1 THIN EPOXY  
OVERLAY NOTES  
94-SR96-0.52  
OVER I-40  
WILLIAMSON COUNTY  
2024

PIN NO.: 131258.00  
DESIGN BY: SILESHI ERGICHO DATE: 10/23  
DRAWN BY: KEVIN MARTINKO DATE: 10/23  
SUPERVISED BY: DATE: 10/23  
CHECKED BY: DATE: 10/23



1/1/97

### LIST OF SPECIAL PROVISIONS

\*\* CURRENT REVISION DATE AS PER CONTRACT DOCUMENTS

NO.	LAST REVISION DATE	REGARDING
602	**	STEEL STRUCTURES
604F	**	REG. FOUNDATION PREPARATION
604S	**	STRIP SEAL EXPANSION JOINTS
108B	**	PROJECT INCENTIVE/DISINCENTIVE

CONST. NO. 94001-3118-44

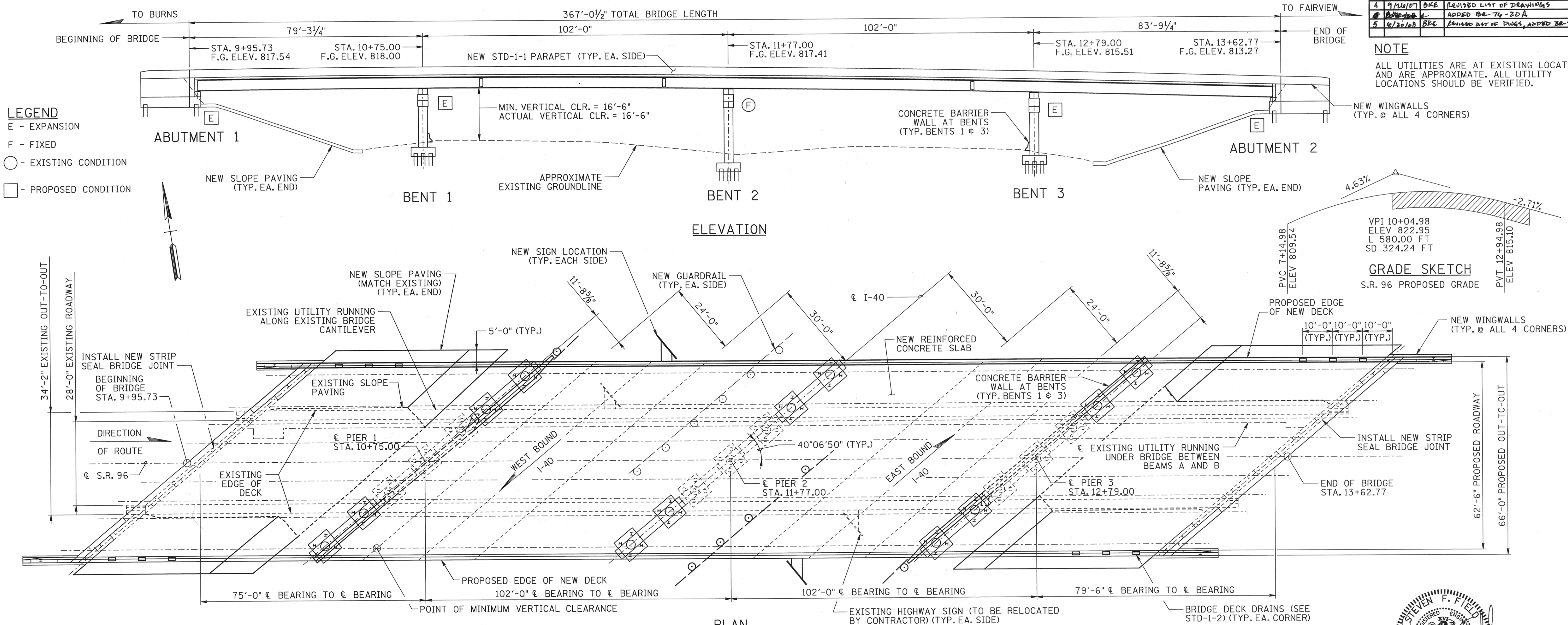
PROJECT NO.	YEAR	SHEET NO.
BH-I-40-3(132)	2006	

### REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	11/13/06	BKE	REVISED LIST OF DRAWINGS
2	11/17/06	BKE	REVISED LIST OF DRAWINGS
3	12/11/06	BKE	REVISED LIST OF DRAWINGS
4	9/26/07	BKE	REVISED LIST OF DRAWINGS
5	6/20/08	BKE	ADDED BR-76-20A REVISED LIST OF DWGS. ADDED BR-76-20B

### NOTE

ALL UTILITIES ARE AT EXISTING LOCATIONS AND ARE APPROXIMATE. ALL UTILITY LOCATIONS SHOULD BE VERIFIED.



### SCOPE OF WORK

- REMOVE EXISTING CONCRETE DECK AND PARAPETS.
- PROVIDE NEW REINFORCED CONCRETE SLAB. WIDEN THE BRIDGE BY ADDING 2 NEW BEAM LINES TO EACH SIDE OF THE STRUCTURE.
- JACK THE BRIDGE TO PROVIDE MINIMUM 16'-6" VERTICAL CLEARANCE TO I-40.
- PROVIDE NEW STD-1-1 PARAPETS.
- APPLY TEXTURE COATED FINISH TO THE PARAPET AND SUPERSTRUCTURE.
- PAINT THE EXISTING GIRDERS AND NEW BEAMS.
- INSTALL NEW STRIP SEAL BRIDGE JOINTS.
- RECONSTRUCT ABUTMENT AS NECESSARY FOR THE NEW BRIDGE WIDTH INCLUDING WINGWALLS AND NEW EXPANSION JOINT FOR WIDENED BRIDGE ROADWAY WIDTH.
- PROVIDE NEW SUBSTRUCTURE(S) FOR NEW BEAMS AND NEW BEARINGS AND RISER BLOCKS ON EXISTING SUBSTRUCTURE(S).
- REPAIR SPALLS ON THE SUBSTRUCTURES.
- ADJUST THE APPROACH ROADWAYS TO MATCH BRIDGE WIDTH WITH 2:1 SIDESLOPES FOR NEW EMBANKMENT.
- RELOCATE THE SIGN SUPPORTS FOR THE NEW CONSTRUCTION.
- MAINTAIN TWO LANES OF TRAFFIC DURING CONSTRUCTION.

### BRIDGE APPURTENANCES

DRAWING NO.	LATEST REV. DATE	DRAWING
STD-1-1	07-31-00	BRIDGE RAILING CONCRETE PARAPET - 1990
STD-1-2	01-05-01	STEEL SLIDER PLATE ASSEMBLIES FOR CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS 1993
STD-2-1		BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL - 2005
STD-2-2		VERTICAL PANEL DETAILS - 2005
STD-3-1	02-14-04	STRIP SEAL EXPANSION JOINT
STD-3-2	02-14-04	STRIP SEAL EXPANSION JOINT
STD-4-1	04-08-05	PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS - 1992
STD-4-2	04-08-05	PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA - 1992
STD-4-3	03-02-02	PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS - 1992
STD-4-4	06-10-96	PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS-1992
STD-5-1	10-25-93	PILE DETAILS - 1990
STD-5-2	04-08-05	PILE DETAILS - 1990
STD-6-1	05-21-99	SEISMIC DETAILS - 1990
STD-6-2	11-07-94	SEISMIC DETAILS - 1992
STD-8-4		SIGN, LUMINAIRE AND TRAFFIC SIGNAL SUPPORTS - 2003
STD-9-1	12-19-94	REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS
STD-10-1	04-08-05	MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS - 1971

### BRIDGE DRAWINGS

DRAWING NO.	REVISION DATE	DESCRIPTION
BR-76-1	9/26/07	GENERAL NOTES AND ESTIMATED BRIDGE QUANTITIES
BR-76-2	8/20/06	LAYOUT OF BRIDGE TO BE REPAIRED
BR-76-3	11/13/06	CONSTRUCTION PHASING
BR-76-4	11/13/06	TYPICAL SECTION
BR-76-5	11/13/06	SLAB PLAN
BR-76-6		SUPERSTRUCTURE DETAILS 1 OF 3
BR-76-7		SUPERSTRUCTURE DETAILS 2 OF 3
BR-76-8		SUPERSTRUCTURE DETAILS 3 OF 3
BR-76-9	12/01/06	BENT 2 BEARING DETAILS
BR-76-10		BENTS 1 & 3 BEARING DETAILS
BR-76-11		ABUTMENTS 1 AND 2 BEARING DETAILS
BR-76-12	11/13/06	ABUTMENT NO. 1
BR-76-13	11/13/06	ABUTMENT NO. 2
BR-76-14		ABUTMENT DETAILS
BR-76-15		REPAIR DETAILS AND ABUTMENT REMOVAL DETAILS
BR-76-16		BENTS 1-3 LAYOUT
BR-76-17		BENT DETAILS
BR-76-18		FINAL FOUNDATION DATA
BR-76-19	11/13/06	BILL OF STEEL 1 OF 2
BR-76-20		BILL OF STEEL 2 OF 2
BR-76-20A		MISCELLANEOUS STEEL REPAIRS
BR-76-20B		SIGN SUPPORT MODIFICATION

REFERENCE DRAWINGS

H-4-96 THRU H-4-100 ORIGINAL BRIDGE DRAWINGS  
H-4-96A THRU H-4-96D BRIDGE REPAIR DRAWINGS



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

### BRIDGE LAYOUT

STATE ROUTE 96 OVER  
INTERSTATE 40  
BRIDGE I.D. NO. 94-SR96-0.52  
WILLIAMSON COUNTY  
2006

DESIGNED BY DWB DATE 01/2005  
DRAWN BY CADD DATE 01/2005  
SUPERVISED BY SFF DATE 01/2005  
CHECKED BY SFF DATE 01/2005



TN D.O.T. ENGINEERING SUPERVISOR M. LAWSON

SCANNED

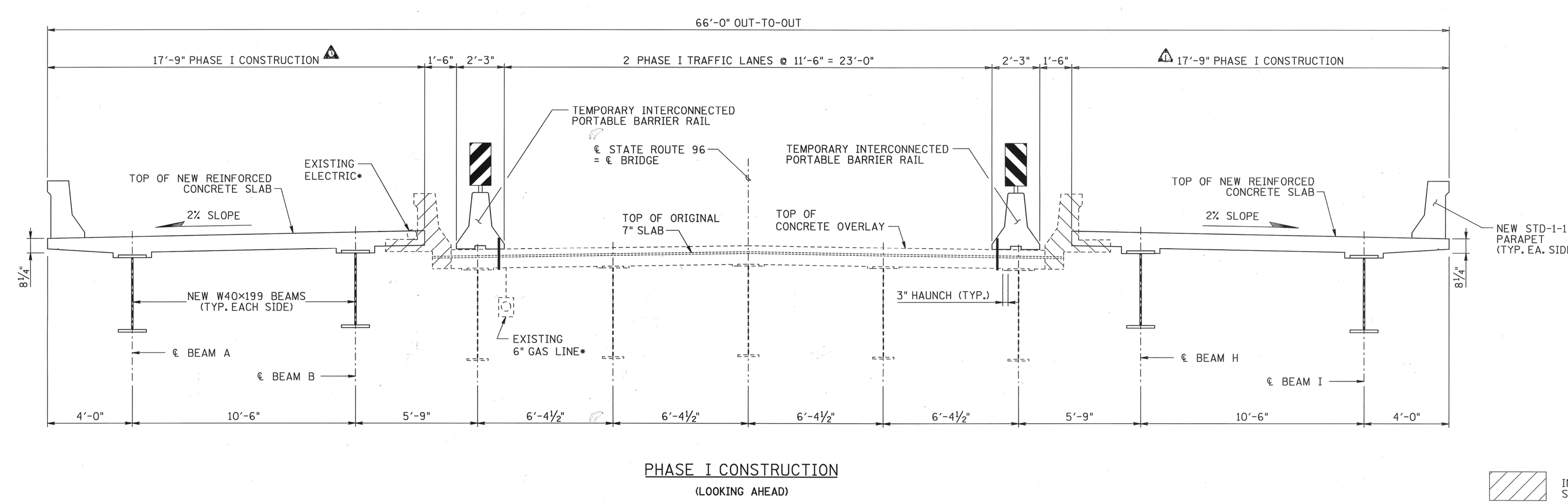
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CONST. NO. 94001-3118-44

PROJECT NO.	YEAR	SHEET NO.
BH-1-40-3(132)	2006	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	11/15/06	BKE	REVISED PHASING

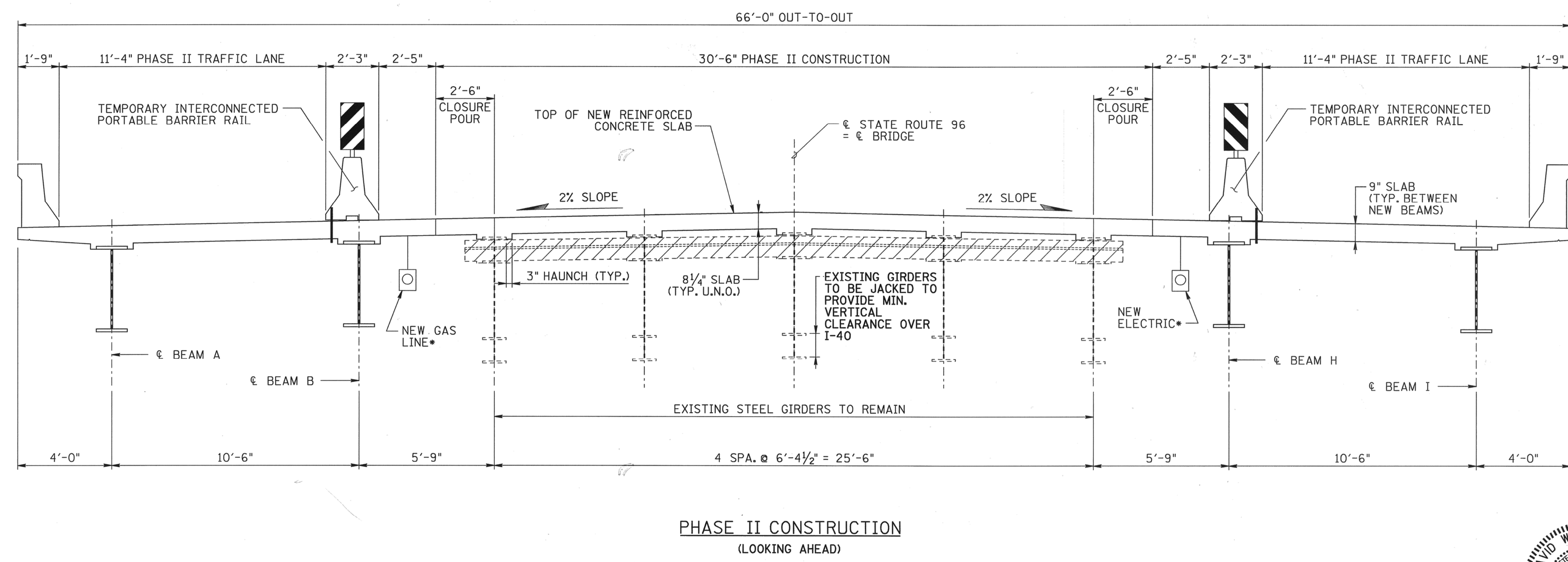


**PHASE I CONSTRUCTION**  
(LOOKING AHEAD)

**LEGEND**

INDICATES AREA OF EXISTING SUPERSTRUCTURE THAT IS TO BE REMOVED

- \*NOTES:**
- CONTRACTOR SHALL COORDINATE UTILITY RELOCATION WITH UTILITY OWNER
  - EXISTING 6" GAS LINE TO BE RELOCATED AFTER PHASE I CONSTRUCTION IS COMPLETED AND PRIOR TO PHASE II DEMOLITION OF EXISTING SLAB.
  - EXISTING ELECTRIC TO BE RELOCATED DURING PARTIAL DEMOLITION OF EXISTING BRIDGE PRIOR TO PHASE I CONSTRUCTION.
  - CONTRACTOR SHALL MAKE PROVISIONS FOR UTILITY HANGERS AND SLEEVES THROUGH ABUTMENTS AS DETERMINED BY UTILITY OWNERS DESIGN/DETAILS, SUBJECT TO THE APPROVAL BY THE ENGINEER.
  - LOCATION OF NEW UTILITIES IS APPROXIMATE. SEE UTILITY OWNERS DESIGN/DETAILS FOR LOCATION, SUBJECT TO THE APPROVAL BY THE ENGINEER.



**PHASE II CONSTRUCTION**  
(LOOKING AHEAD)

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PHASING  
STATE ROUTE 96 OVER  
INTERSTATE 40  
BRIDGE I.D. NO. 94-SR96-0.52  
WILLIAMSON COUNTY  
2006



SCANNED

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DESIGNED BY: DWB DATE: 11/2006  
DRAWN BY: CADD DATE: 11/2006  
SUPERVISED BY: DWM DATE: 11/2006  
CHECKED BY: SFF/GLP DATE: 11/2006



TN D.O.T. ENGINEERING SUPERVISOR M. LAWSON