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*John M. Reese*

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FISHER ARNOLD, INC.  
9180 CRESTWYN HILLS DRIVE  
MEMPHIS, TN 38125  
JOHN M. REESE, P.E. 118371

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
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E, 2E1
TABULATED QUANTITIES .....	2F
UTILITY NOTES AND UTILITY OWNERS.....	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL.....	T1

YEAR	PROJECT NO.	SHEET NO.
2026	38S076-S8-005	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

## HAYWOOD

STATE ROUTE 76  
FROM NORTH WASHINGTON AVENUE  
TO ALSEY WILLIAMS ROAD (GFT-26)(B.P.)

RESURFACE & BRIDGE REPAIR  
MILL, B-M2, 411D AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 76 F.A.H.S. NO. 70A

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

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	38S076-S8-005	
STATE PROJ. NO.	38S076-M3-008	

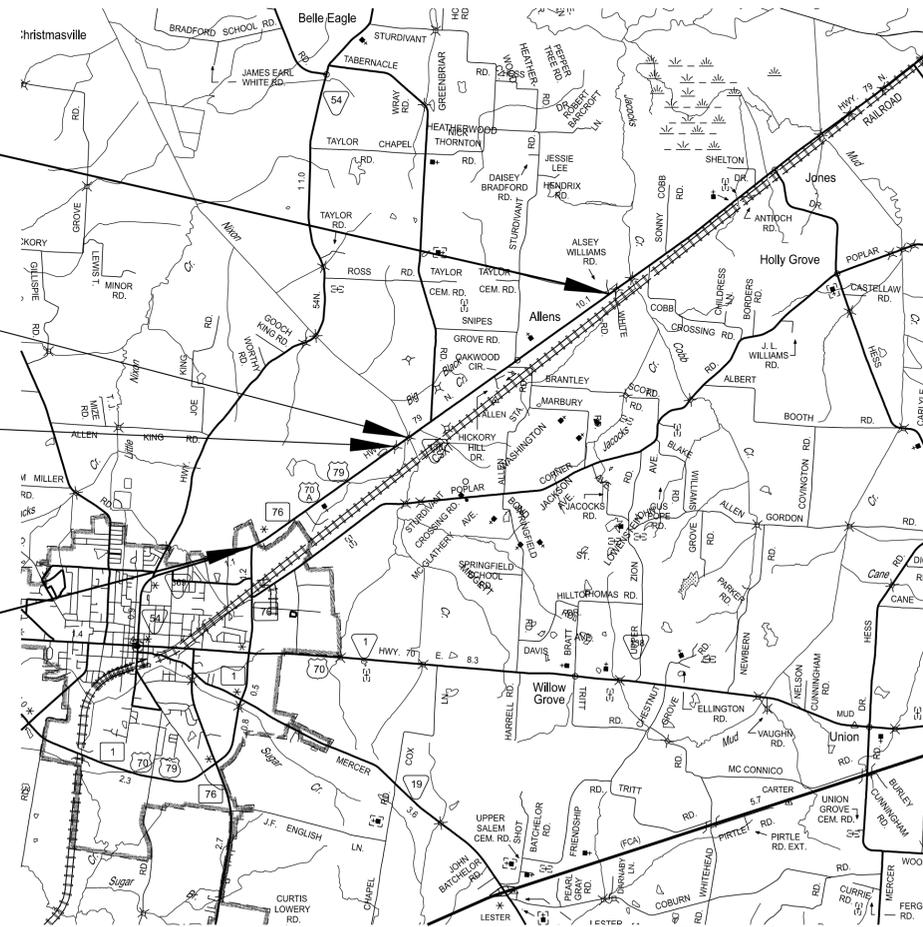


PROJECT LOCATION  
BRIDGE ID. # 38SR0760031 , 38SR0760033

END PROJECT NO. 38S076-S8-005 RESURFACE & BRIDGE REPAIR  
ALSEY WILLIAMS ROAD (L.M. 18.39)

BRIDGE REPAIR PROJECT NO. 38S076-M3-008  
BRIDGE ID. #38SR0760033  
L.M. 16.00 NIXON CREEK  
BRIDGE ID. #38SR076031  
L.M. 15.95 OVERFLOW

BEGIN PROJECT NO. 38S076-S8-005 RESURFACE & BRIDGE REPAIR  
NORTH WASHINGTON AVENUE (L.M. 13.90)



SCALE: 1"= 5280'

PROJECT LENGTH 4.49 MILES  
TOTAL LANE MILES RESURFACED 8.90 MILES

NO EXCLUSIONS

### 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.

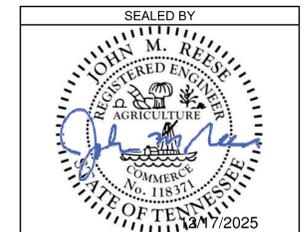
TDOT PROJECT MANAGER: LYNN EVANS, P.E., REGION 4

DESIGN FIRM : FISHER ARNOLD, INC.

DESIGNER : TRISTEN JOHNSON CHECKED BY JOHN REESE, P.E.

P.E. NO. 98043-4283-04

PIN NO. 136611.00



APPROVED:   
SHANE HESTER, CHIEF ENGINEER

DATE: \_\_\_\_\_

APPROVED:   
WILL REID, COMMISSIONER

### TRAFFIC COUNTER & WEATHER STATIONS

STATION LOCATION	LOG MILE
TC STATION 82	14.249

### TRAFFIC DATA

ADT (2026)	5,784
POSTED SPEED L.M. 13.90 - 18.39	55 MPH

# ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
TITLE SHEET .....	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND	
STANDARD TRAFFIC DESIGN DRAWINGS .....	1A
PROJECT COMMITMENTS .....	1B
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2B
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SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E, 2E1
TABULATED QUANTITIES .....	2F
UTILITY NOTES AND UTILITY OWNERS.....	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL.....	T1
BRIDGE REPAIR PLANS .....	B1

NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS.

# STANDARD ROADWAY DRAWINGS

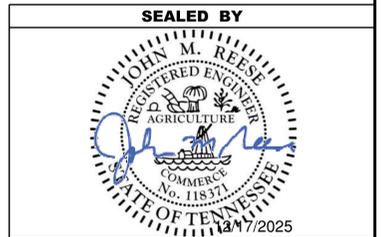
DWG.	REV.	DESCRIPTION
<b>10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS</b>		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND

# STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
<b>10-204.00 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-16A	01-24-25	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-M-16B		MUMBLE STRIP/STRIPE DETAILS FOR EDGE OF PAVEMENT
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	1A

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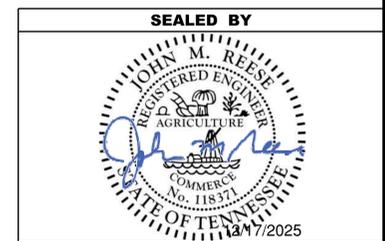
**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	1B

PROJECT COMMITMENTS			
COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	ASBESTOS CONTAINING MATERIAL (ACM) SURVEYS WERE COMPLETED ON BRIDGE NO. 38SR0760031 SR-76 OVER OVERFLOW LM 15.95 (38-SR076-15.95) AND BRIDGE NO. 38SR0760033 SR-76 OVER NIXON CREEK LM 16.00 (38-SR076-16.00). NO ASBESTOS WAS DETECTED. PLEASE SEE THE REPORTS FOR FURTHER DETAILS AND PHOTOGRAPHS. NO SPECIAL ACCOMMODATIONS FOR DEMOLITION AND WASTE DISPOSAL ARE ANTICIPATED FOR THESE STRUCTURES AND THE MATERIAL CAN BE DEPOSITED 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 EMISSION 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 202.03).	BRIDGES

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**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

PROJECT COMMITMENTS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	2

**ESTIMATED ROADWAY QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY 3S076-S8-002
(1)	202-03.01 REMOVAL OF ASPHALT PAVEMENT	S.Y.	200
	203-06 WATER	M.G.	10
(2)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	8.9
(3)	303-02 MINERAL AGGREGATE, TYPE B BASE, GRADING (C OR D)	TON	1314
(4)	307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	92
(5)	307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	8325
(6)	403-02.01 TRACKLESS TACK COAT	TON	57
(7)	411-01.10 ACS MIX(PG64-22) GRADING D	TON	5028
(8)(9)	411-01.21 LONGITUDINAL JOINT SEALANT	L.M.	4.6
	411-12.04 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4IN WIDTH)	L.M.	7.2
(10)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	12715
(11)	712-01 TRAFFIC CONTROL	LS	1
(12)(13)	712-06 SIGNS (CONSTRUCTION)	S.F.	1066
	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	300
	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	8
(14)(15)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	171
(15)(16)	716-05.05 PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	171
(16)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	28
(14)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	14
	717-01 MOBILIZATION	LS	1

NOTE: THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT.  
NOTE: THERE ARE NO GUARDRAIL ADJUSTMENTS ON THIS PROJECT.

**FOOTNOTES**

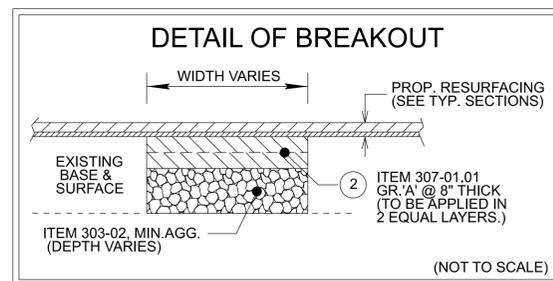
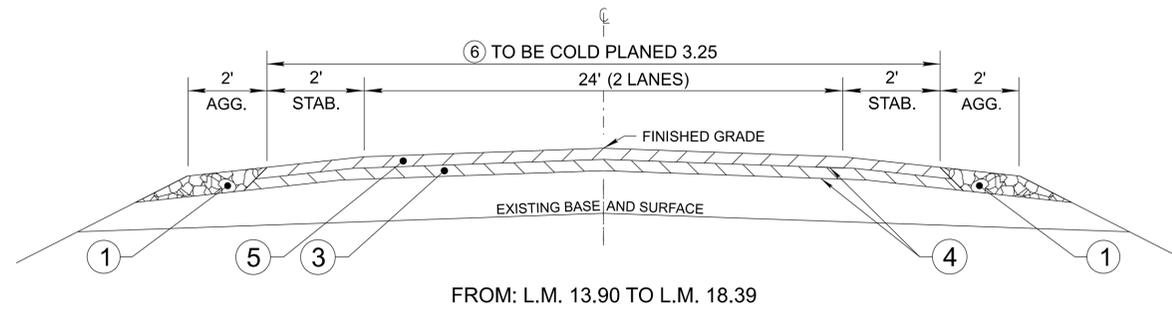
- (1) TO BE USED FOR A MIX BREAK OUTS
- (2) INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING PRIOR TO WORK. SEE SHEET NO. 2C, SECTION "FINAL PAVEMENT MARKING," NOTE (6) FOR MORE INFORMATION.
- (3) INCLUDES 136 TONS FOR A MIX BREAKOUTS.
- (4) FOR REPLACEMENT OF QUANTITY REMOVED UNDER ITEM 202-03.01.
- (5) INCLUDES 68 TONS FOR EXTRA WIDTH PAVING.
- (6) INCLUDES 2 TONS FOR EXTRA WIDTH PAVING, DRIVEWAYS, COUNTY ROADS, FIELD ENTRANCES, AND BUSINESS ENTRANCES.
- (7) INCLUDES 187 TONS FOR EXTRA WIDTH PAVING, DRIVEWAYS, COUNTY ROADS, FIELD ENTRANCES, AND BUSINESS ENTRANCES.
- (8) USE CRAFCO PAVEMENT JOINT ADHESIVE #34524. PAVON JOINT ADHESIVE BY PAVON CORPORATION OR DENSO TAPE BY DENSO.
- (9) TO BE USED FOR SEALING OF ALL SURFACE LAYER CONSTRUCTION JOINTS ALONG THE TRAVEL LANES AND SHOULDERS AS DIRECTED BY THE ENGINEER.
- (10) INCLUDES 248 TONS FOR EXTRA WIDTH PAVING, DRIVEWAYS, COUNTY ROADS, FIELD ENTRANCES, AND BUSINESS ENTRANCES.
- (11) 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.
- (12) 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).
- (13) SEE TRAFFIC CONTROL SIGN TAUATION ON SHEET 2F
- (14) ITEM TO BE USED FOR FINAL PAVEMENT MARKING ONLY.
- (15) ALL STOP BARS ON SIDE STREETS WILL BE MARKED AS DIRECTED BY THE ENGINEER.
- (16) ITEM TO BE USED FOR TEMPORARY PAVEMENT MARKING ONLY.



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

ESTIMATED  
ROADWAY  
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	2B



PROPOSED PAVEMENT SCHEDULE	
<b>① MINERAL AGGREGATE @ 2.00"± THICK FOR SHOULDERS</b> ITEM 303-02 MINERAL AGGREGATE, TYPE "B" BASE, GRADING "C OR D"	<b>④ TRACKLESS TACK COAT</b> ITEM 403-02.01 TRACKLESS TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
<b>② BITUMINOUS COURSE (BLACK BASE) @ 8.00"± THICK (APPROX. 920.00 LBS./S.Y.)</b> ITEM 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A" (TO BE USED FOR BREAKOUT ONLY)	<b>⑤ ASPHALTIC CONCRETE SURFACE (HM) @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)</b> ITEM 411-01.10 ACS MIX (PG64-22) GRADING "D"
<b>③ BITUMINOUS COURSE (BINDER) @ 2.00"± THICK (APPROX. 226.00 LBS./S.Y.)</b> ITEM 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M2"	<b>⑥ COLD PLANING @ 3.25"± THICK (APPROX. 341.25 LBS./S.Y.)</b> ITEM 415-01.01 COLD PLANING BITUMINOUS PAVEMENT

**SEALED BY**

**NOT TO SCALE**

**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

TYPICAL  
SECTIONS AND  
PAVEMENT  
SCHEDULE

# GENERAL NOTES

## GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

## MISCELLANEOUS

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

## PAVEMENT MARKINGS

### TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- (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 ENGINEER.
  - b. ALL MATERIAL FROM CLIPPING, BROOMING AND DE-GRASSING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE ENGINEER.
  - c. ALL COSTS ASSOCIATED WITH PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.
  - d. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (8) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

### SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

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

## PAVEMENT

### PAVING

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

### RESURFACING

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

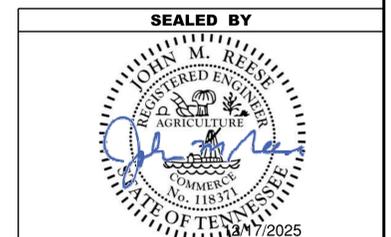
### SIGNING

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	2C



STATE OF TENNESSEE  
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GENERAL  
NOTES

# SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	2D

## RESURFACING

- (1) SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.
- (4) THE OUTSIDE SHOULDER WILL BE PAVED CONCURRENTLY WITH THE TRAFFIC LANE
- (6) 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.
- (8) FEATHER SURFACE MIX TO ENDS OF BRIDGES THAT ARE NOT TO BE PAVED.

## 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. 716-12.02.

## SIGNS

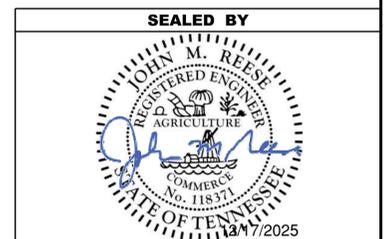
- (1) IF THE CONTRACTOR ELECTS TO UTILIZE SIGN POST ANCHORS (STUBS) FOR SIGN ERECTION, THESE SHALL BE REMOVED WHEN THE SIGNS ARE REMOVED TO AVOID FUTURE DAMAGE TO MOWERS OR OTHER MACHINERY.

## MISCELLANEOUS

- (1) ITEM 303-02 TO BE PLACED BEFORE PLACING SURFACING MATERIAL.
- (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.

## JOINT SEALANTS

- (1) THE CONTACT SURFACE OF TRANSVERSE JOINTS AND LONGITUDINAL JOINTS IN THE SURFACE LIFT SHALL BE SEALED BY APPLYING JOINT SEALANT PRIOR TO PLACEMENT OF ADDITIONAL ASPHALT AGAINST THE PREVIOUSLY PLACED MATERIAL. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED IF THE MATERIAL NEEDS TO BE RE-HEATED, AND WHEN PLACING THE THIN, UNIFORM COAT.
- (3) PRIOR TO APPLICATION OF THE SEALANT, THE FACE OF THE JOINT SHALL BE THOROUGHLY DRY AND FREE FROM DUST OR ANY OTHER MATERIAL THAT WOULD PREVENT PROPER SEALING. ALL JOINTS SHALL BE SWEEPED OR BLOWN FREE OF LOOSE MATERIAL, DIRT, VEGETATION, AND OTHER DEBRIS BY MEANS OF COMPRESSED AIR OR A POWER SWEEPER.
- (4) TRUCK AND VEHICLE TRAFFIC SHALL NOT DRIVE ACROSS A SEALED JOINT UNTIL IT HAS DRIED SUFFICIENT TO PREVENT DAMAGE FROM TRACKING.



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

SPECIAL  
NOTES

# ENVIRONMENTAL NOTES

## ENVIRONMENTAL GENERAL NOTES

### NATURAL RESOURCES

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

### SPECIES

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

### PERMITS, PLANS & RECORDS

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

### PROJECT COMMITMENTS

- (5) SEE PROJECT COMMITMENTS, SHEET 1B, FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

### SCOPE OF WORK

- (6) THIS PROJECT INCLUDES MILL, B-M2, 411D, PAVEMENT MARKINGS, SNOWPLOWABLE MARKERS, RUMBLE STRIPES, AND BROOMING AND DEGRASSING.

## 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

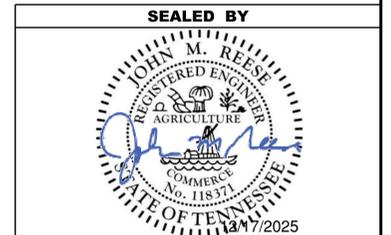
- (6) EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- (8) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFFSITE 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.

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STATE OF TENNESSEE  
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ENVIRONMENTAL  
NOTES

12/4/2025 11:08:50 AM Z:\HDIR\CORR\009\TR\TRANSPORTATION\FEBRUARY 2026\123929.00 - SR100 - CHESTER CO\2E ENVIRONMENTAL NOTES.DGN

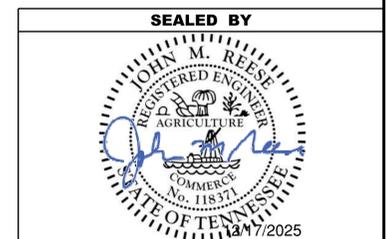
# ENVIRONMENTAL NOTES

## EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

### 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  
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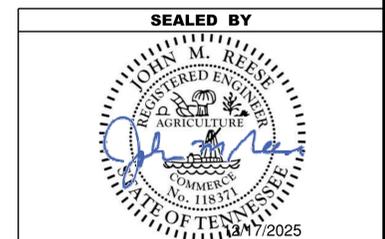
**ENVIRONMENTAL  
NOTES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	2F

BRIDGE NOTES			
BRIDGE NUMBER	LOCATION LOG MILE	BRIDGE LENGTH	BRIDGE NOTES
38SR0760031	15.950	79'6"	SEAL WITH TYPE 1 THIN EPOXY OVERLAY. REPLACE BRIDGE JOINTS
38SR0760033	16.000	145'	SEAL WITH TYPE 1 THIN EPOXY OVERLAY. REPLACE BRIDGE JOINTS

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 5 MILES	48"	x 24"	8	3	24
G20-2	END ROAD WORK	48"	x 24"	8	8	64
W8-11	UNEVEN LANES	48"	x 48"	16	24	384
W8-15	GROOVED PAVEMENT	48"	x 48"	16	10	160
W8-15P	MOTORCYCLE PLAQUE	30"	x 24"	5	10	50
W20-1	ROAD WORK 1 MILE	48"	x 48"	16	3	48
W20-1	ROAD WORK 1/2 MILE	48"	x 48"	16	3	48
W20-1	ROAD WORK 1000 FT	48"	x 48"	16	3	48
W20-1	ROAD WORK AHEAD	48"	x 48"	16	5	80
W20-4	ONE LANE ROAD 1000 FT - PORTABLE	48"	x 48"	16	2	32
W20-7A	FLAGGER SYMBOL - PORTABLE	48"	x 48"	16	2	32
W21-2	FRESH OIL - PORTABLE	48"	x 48"	16	2	32
* W25	SHOULDER WORK	48"	x 48"	16	4	64
THIS CONSTRUCTION SIGNING IS TO BE AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES					TOTAL	1066

\* TO BE USED AS DIRECTED BY THE ENGINEER



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TABULATED  
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
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**UTILITY NOTES**

- (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.

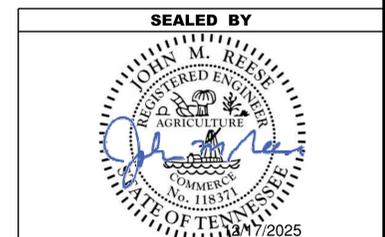
**UTILITY OWNERS**

**CABLE:**  
**CHARTER COMMUNICATIONS**  
 24 CIRCLE DRIVE  
 MCKENZIE, TN 38201  
 CONTACT: KEITH CHESSER  
 OFFICE PHONE: 731 352 1146  
 CELL PHONE: 731 621 9552  
 Email: KEITH.CHESSER@CHARTER.COM

**ELECTRIC:**  
**STEMC**  
 1009 E. MAIN STREET  
 BROWNSVILLE, TN 38012  
 CONTACT: JOSHUA KENNEDY  
 OFFICE PHONE: 731 585 0531  
 CELL PHONE:  
 Email: PROJECTS@STEMC.COM

**ELECTRIC / GAS / WATER / WASTEWATER:**  
**BROWNSVILLE ENERGY AUTHORITY**  
 P.O. BOX 424  
 BROWNSVILLE, TN 38012  
 CONTACT: RUSS STOOTS  
 OFFICE PHONE: 731 772 8845  
 CELL PHONE:  
 Email: RSTOOTS@BUDUTIL.COM

**COMMUNICATIONS:**  
**AT&T**  
 315 E. COLLEGE STREET  
 JACKSON, TN 38301  
 CONTACT: DANIEL R. POTTS  
 OFFICE PHONE: 901 488 2359  
 CELL PHONE:  
 Email: DP7607@ATT.COM



**STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION**

UTILITY NOTES  
 AND  
 UTILITY OWNERS

# PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2026	38S076-S8-005	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 SIX 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.:**

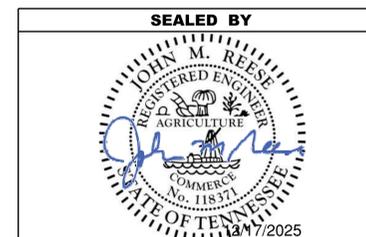
1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.
  - a. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN 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



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

**BRIAN KENNETH EGLI**  
 2025.12.10 14:45:43 -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	BRIDGE-SIGN 1
INDEX OF DRAWINGS	B-1
BRIDGE TABULATION, ESTIMATED QUANTITIES AND EXPANSTION JOINT REPAIR NOTES	B-2
TYPE I THIN EPOXY OVERLAY NOTES	B-3
PLAN VIEW (38SRO760031)	B-4
PLAN VIEW (38SRO760033)	B-5
PHASE CONSTRUCTION	B-6

YEAR	PROJECT NO.	SHEET NO.
2026	38S076-M3-008	BRIDGE-SIGN 1

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

**SIGNATURE  
 SHEET**

PROJECT NO.	YEAR	SHEET NO.	
38S076-M3-008	2026	B-1	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

INDEX OF DRAWINGS

DWG. NO.

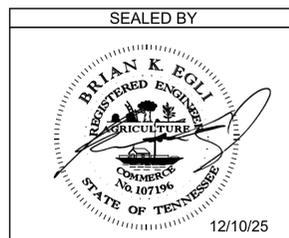
LAST  
REV. DATE

SIGNATURE SHEET	-----	BRIDGE-SIGN 1
INDEX OF DRAWINGS	-----	B-1
BRIDGE TABULATION, ESTIMATED QUANTITIES AND EXPANSION JOINT REPAIR NOTES	-----	B-2
TYPE I THIN EPOXY OVERLAY NOTES	-----	B-3
PLAN VIEW (38SR0760031)	-----	B-4
PLAN VIEW (38SR0760033)	-----	B-5
PHASE CONSTRUCTION	-----	B-6

INDEX OF REFERENCE DRAWINGS

DWG. NO.

LAYOUT OF BRIDGE	-----	A-7-10
LAYOUT OF BRIDGE	-----	BR-82-25
LAYOUT OF BRIDGE	-----	BR-82-26



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
INDEX OF DRAWINGS  
38-SR076-15.95  
OVER OVERFLOW  
38-SR076-16.00  
OVER NIXON CREEK  
38SR0760031, 38SR0760033  
HAYWOOD COUNTY  
2026

PIN NO.: 136611.00  
DESIGN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAWN BY: KEVIN MARTINKO DATE: 10-25  
SUPERVISED BY: BRIAN EGLI DATE: 10-25  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT NO.	YEAR	SHEET NO.	
38S076-M3-008	2026	B-2	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

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	604-10.44 EXPANSION JOINT REPAIR L.F.	617-04.01 TYPE I THIN EPOXY OVERLAY (EPOXY-URETHANE) S.Y.
38-SR076-15.95 OVER OVERFLOW (38SR0760031)	U-17-75 U-17-78 STD-1-5	EXPANSION JOINT REPAIR TYPE I THIN EPOXY OVERLAY (EPOXY-URETHANE)	70	272
38-SR076-16.00 OVER OVERFLOW (38SR0760033)	U-17-105 U-17-109 STD-1-5	EXPANSION JOINT REPAIR TYPE I THIN EPOXY OVERLAY (EPOXY-URETHANE)	72	500
TOTAL			142	772

BRIDGE REPAIR TRAFFIC CONTROL QUANTITIES			
Item #	Description	Unit	Quantity
712-04.01	Flexible Drums (Channelizing)	Each	40
712-06	Signs (Construction)	S.F.	64

BRIDGE REPAIR SIGN TABULATION							
M.U.T.C.D.	LEGEND \ DESCRIPTION	SIZE			S.F.	TOTAL NUMBER REQUIRED	ITEM NO. 712-06 S.F.
NO.		IN INCHES					
		L	x	W			
W3-4	BE PREPARED TO STOP	48"	x	48"	16	2	32
W5-3	ONE LANE BRIDGE AHEAD	48"	x	48"	16	2	32
<b>TOTAL</b>						<b>4</b>	<b>64</b>

### EXPANSION JOINT REPAIR NOTES

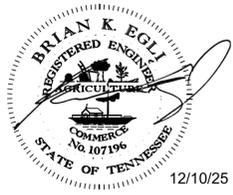
THE JOINT HEADER SYSTEM SHALL BE FROM OPL 9.002. THE JOINT SEAL SYSTEM CONSISTS OF THE ELASTOMERIC HEADER MATERIAL AND A TWO-PART COLD POUR SILICONE SEALANT. THE CONTRACTOR SHALL ALSO HAVE THE OPTION OF USING A PRECOMPRESSED FOAM WITH SILICONE TOPPED PRODUCT (SIMILAR TO AND INCLUDING BEJS) FROM OPL 7.001 WITH AN APPROPRIATELY SIZED SEAL FOR THE JOINT OPENING, AND AN ELASTOMERIC CONCRETE FROM OPL 9.001. THE SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF AN AUTHORIZED TECHNICIAN PROVIDED BY THE SYSTEM MANUFACTURER. THE TECHNICIAN MUST APPROVE ALL ASPECTS OF THE GEOMETRY AND PREPARATION OF THE JOINT LOCATIONS PRIOR TO ANY INSTALLATION OF THE JOINT SYSTEM MATERIALS. PRODUCTS FROM OPL 7.001 "ON A ROLL" AND "COMPRESSION ONLY" WILL NOT BE ALLOWED. THE TOP OF THE OPL 7.001 JOINT FILLER SHALL BE A MINIMUM OF 3/4 OF AN INCH BELOW THE ROADWAY SURFACE UNLESS THE MANUFACTURER REQUIRES A DEEPER DEPTH.

MANUFACTURERS SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO THE JOINT REPLACEMENT/REPAIR WORK. THE MANUFACTURER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORKMANSHIP OF THE JOINT INSTALLATION.

PRIOR TO THE INSTALLATION OF THE NEW JOINT, THE EXISTING JOINT OPENING SHALL BE CLEANED OF ALL DIRT, DEBRIS, AND PRIOR CONSTRUCTION MATERIAL, ETC., THE FULL DEPTH OF THE OPENING. THE SURFACES WHERE THE NEW MATERIAL BONDS TO STAY IN PLACE, SHALL BE CLEANED PER MANUFACTURERS RECOMMENDATION, TO REMOVE ANY SUBSTANCES THAT WOULD INHIBIT BONDING.

THE COST FOR REMOVING THE OLD JOINT SYSTEM, INSTALLING THE NEW JOINT SYSTEM, LABOR, AND ANY MISCELLANEOUS MATERIALS NECESSARY TO INSTALL THE NEW EXPANSION JOINT, IS TO BE INCLUDED UNDER ITEM NUMBER 604-10.44, EXPANSION JOINT REPAIRS, L.F.

SEALED BY



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
**BRIDGE TABULATION,  
ESTIMATED QUANTITIES  
AND EXPANSION JOINT  
REPAIR NOTES**  
38-SR076-15.95  
OVER OVERFLOW  
38-SR076-16.00  
OVER NIXON CREEK  
38SR0760031, 38SR0760033  
HAYWOOD COUNTY  
2026

PIN NO.: 136611.00  
DESIGN BY: KEVIN MARTINKO DATE: 10-25  
DRAWN BY: KEVIN MARTINKO DATE: 10-25  
SUPERVISED BY: BRIAN EGLI DATE: 10-25  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**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, HAYWOOD, 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 LAITANCES, 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.

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.

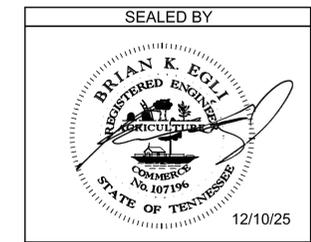
THE MANUFACTURER SHALL HAVE A REPRESENTATIVE ON THE JOB SITE AT ALL TIMES DURING APPLICATION AND CURE TIME. THE REPRESENTATIVE, ALONG WITH CONSULTATION WITH ENGINEER, MAY SUSPEND ANY ITEM OF WORK THAT IS SUSPECT AND DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS. WORK SHALL NOT RESUME UNTIL THE 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), SY.

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. 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, HOLES, ETC., BUT IN ALL CASES, ANY DESTRUCTIVELY TESTED AREAS SHALL BE REPAIRED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE BY THE PROJECT ENGINEER.

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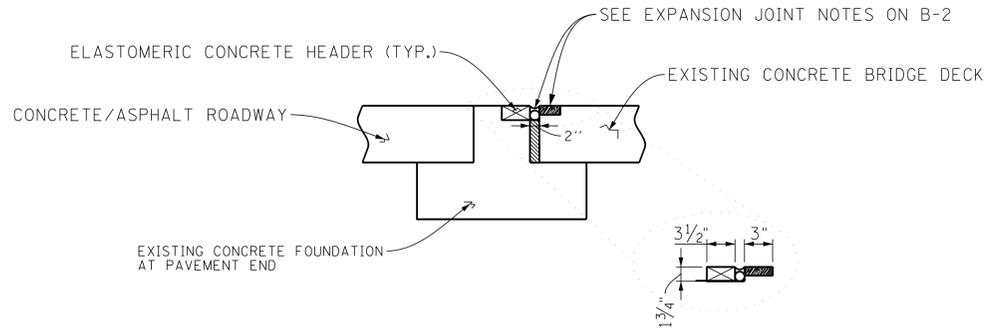
**\*\* SPECIAL NOTE:**  
 THE CONTRACTOR IS TO PREVENT THE TRACKING OF TACKCOAT AND CONSTRUCTION DEBRIS ACROSS THE BRIDGE DECK PRIOR TO APPLICATION OF THE THIN EPOXY OVERLAY.  
 MILLING THE BRIDGE DECK WILL NOT BE AN OPTION FOR TACKCOAT OR DEBRIS REMOVAL.  
 REMOVAL SHALL BE AT THE CONTRACTOR'S EXPENSE.



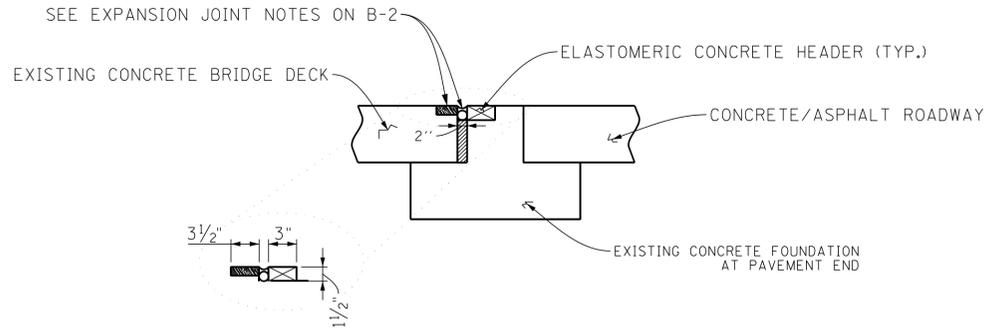
STATE OF TENNESSEE  
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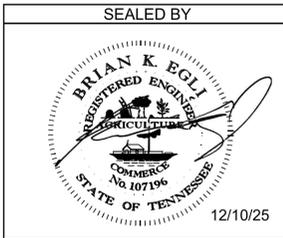
PROJECT NO.	YEAR	SHEET NO.	
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NO.	DATE	BY	BRIEF DESCRIPTION



EXPANSION JOINT REPAIR DETAIL  
@ BEG. OF BRIDGE



EXPANSION JOINT REPAIR DETAIL  
@ END OF BRIDGE



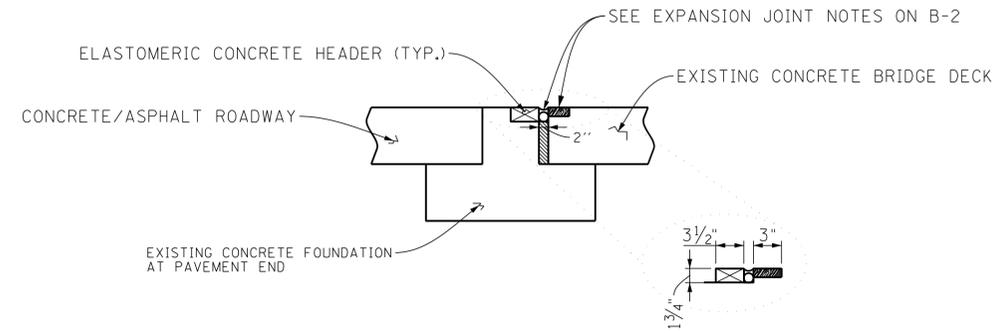
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
PLAN VIEW  
38-SR076-15.95  
OVER OVERFLOW  
38SR0760031  
HAYWOOD COUNTY  
2026

PIN NO.: 136611.00  
DESIGN BY: KEVIN MARTINKO DATE: 10-25  
DRAWN BY: KEVIN MARTINKO DATE: 10-25  
SUPERVISED BY: BRIAN EGLI DATE: 10-25  
CHECKED BY: DATE:

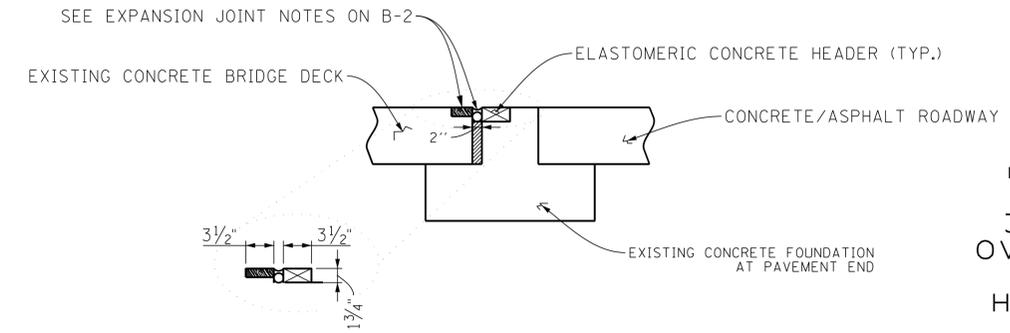
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38S076-M3-008	2026	B-5	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION



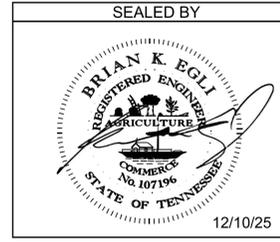
PLAN VIEW  
BRIDGE ID. NO. 38SR0760033



EXPANSION JOINT REPAIR DETAIL  
@ BEG. OF BRIDGE



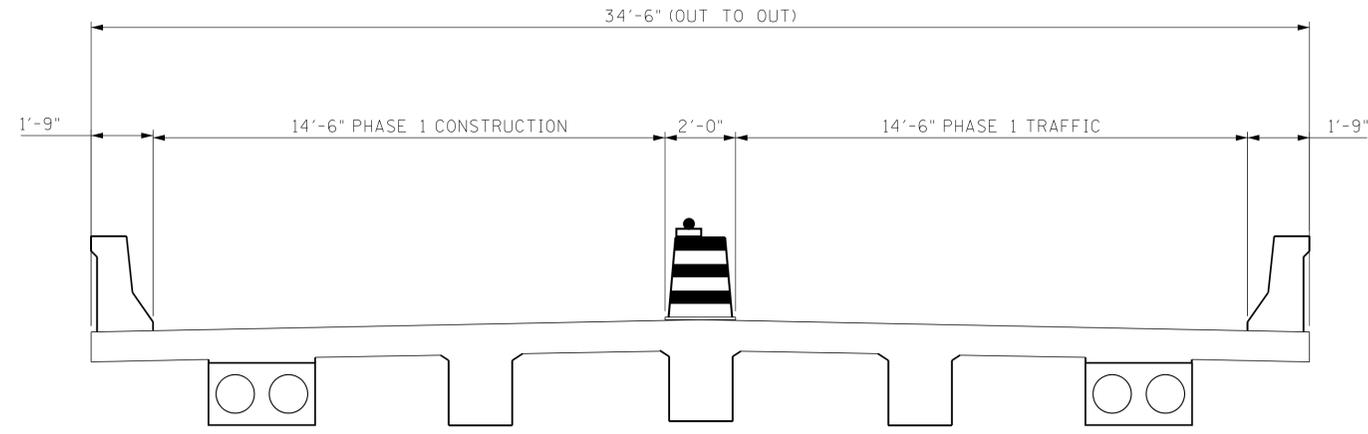
EXPANSION JOINT REPAIR DETAIL  
@ END OF BRIDGE



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
**PLAN VIEW**  
**38-SR076-16.00**  
**OVER NIXON CREEK**  
**38SR0760033**  
**HAYWOOD COUNTY**  
**2026**

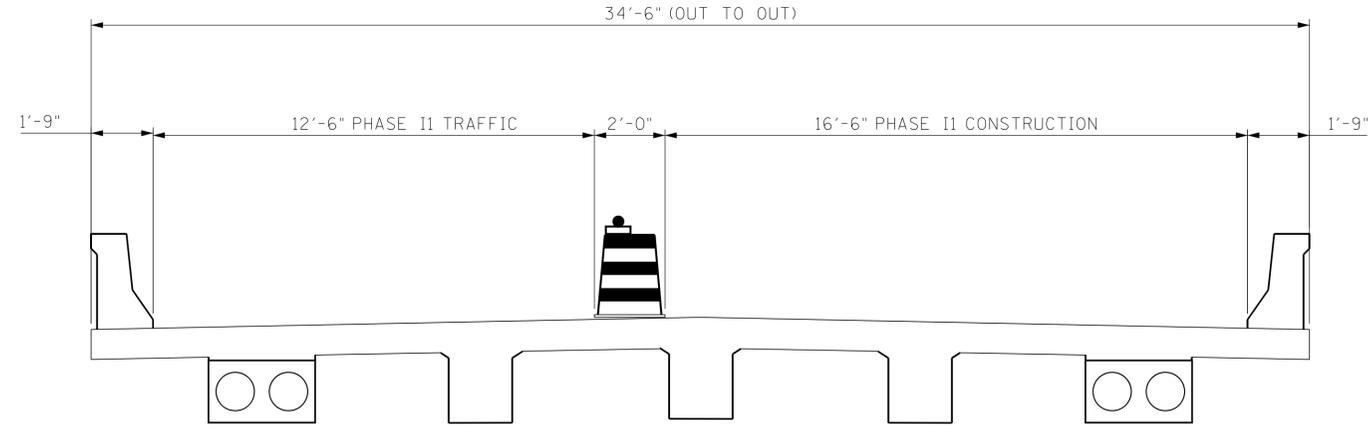
PIN NO.: 136611.00  
DESIGN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAWN BY: KEVIN MARTINKO DATE: 10-25  
SUPERVISED BY: BRIAN EGLI DATE: 10-25  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT NO.	YEAR	SHEET NO.	
38S076-M3-008	2026	B-6	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION



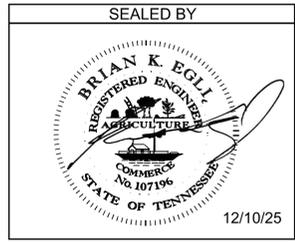
PHASE I CONSTRUCTION

LOOKING AHEAD ON SURVEY  
 BRIDGE ID. NO. 38SR0760031  
 BRIDGE ID. NO. 38SR0760033



PHASE II CONSTRUCTION

LOOKING AHEAD ON SURVEY  
 BRIDGE ID. NO. 38SR0760031  
 BRIDGE ID. NO. 38SR0760033



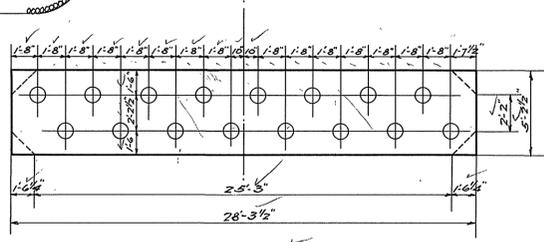
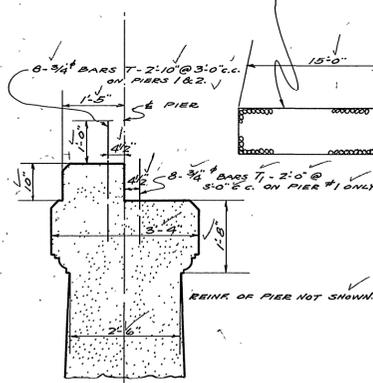
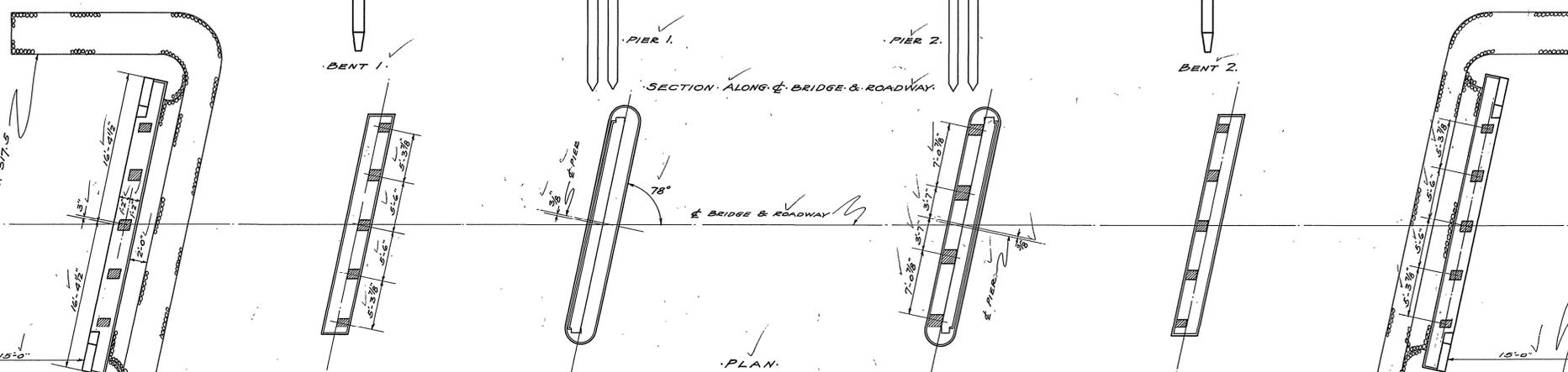
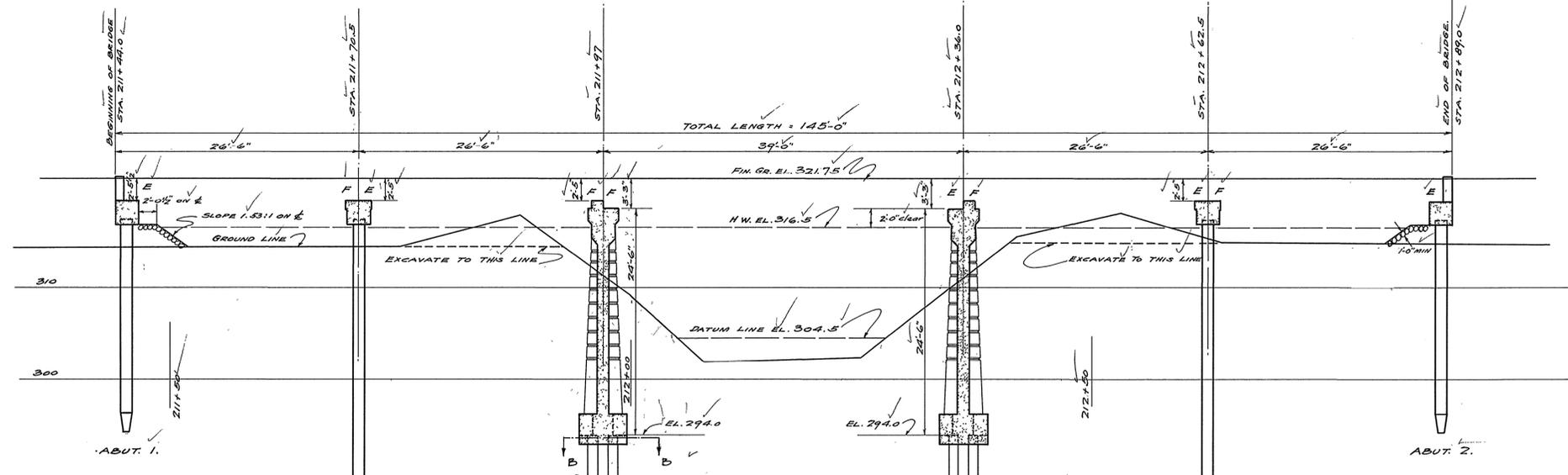
STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION  
 PHASE CONSTRUCTION  
 38-SR076-15.95  
 OVER OVERFLOW  
 38-SR076-16.00  
 OVER NIXON CREEK  
 38SR0760031, 38SR0760033  
 HAYWOOD COUNTY  
 2026

PIN NO.: 136611.00  
 DESIGN BY: KEVIN MARTINKO DATE: 10-25  
 DRAWN BY: KEVIN MARTINKO DATE: 10-25  
 SUPERVISED BY: BRIAN EGLI DATE: 10-25  
 CHECKED BY: DATE:

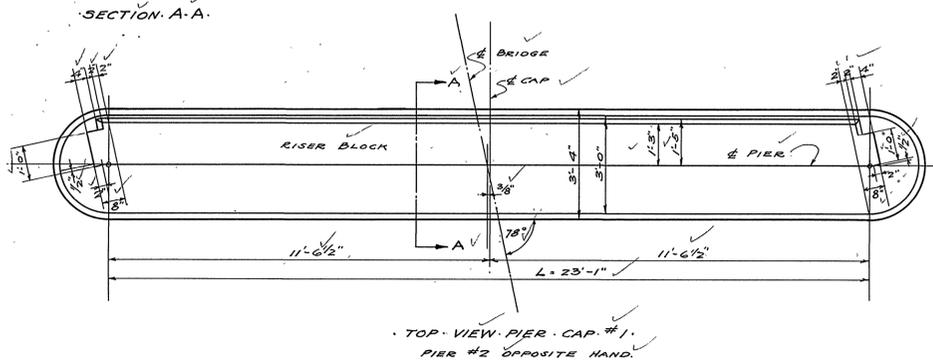
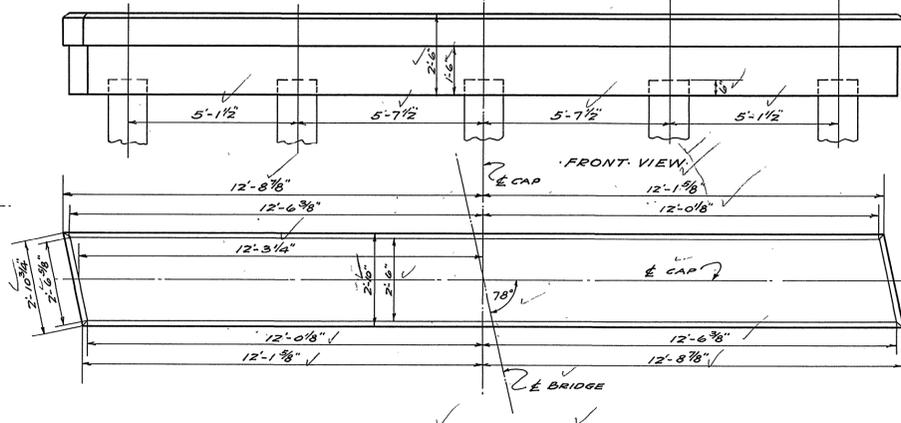
54540-E

**GENERAL NOTES.**  
 SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF HIGHWAYS & PUBLIC WORKS.  
 SURFACING TO BE 2" OF CLASS A CONCRETE POURED MONOLITHIC WITH GIRDER SLAB.  
 TIMBER PILES TO BE UNTREATED.  
 RIP-RAP: SEE SPECIFICATIONS.  
**SPECIAL NOTES.**  
 FOR DETAILS OF HANDRAIL SEE DWG. D-4-95, STAND. CONC. HANDRAIL.  
 FOR DETAILS OF 36" GIRDER SEE DWG. A-6-9, STAND. CONC. SLAB.  
 "DETAIL 36" CLEAR SPAN, 20" ROADWAY, SKEW 78° LT."  
 FOR DETAILS OF 24" GIRDERS SEE DWG. A-6-8, STAND. CONC. SLAB.  
 "DETAIL 24" CLEAR SPAN, 20" ROADWAY, SKEW 78° LT."  
 FOR DETAILS OF ABUTMENTS #1 & #2 SEE DWG. A-6-10, STAND. CONC. ABUT. PILE BENT TYPE, 20" ROADWAY, V=2-5/8", SKEW 78° LT.  
 FOR DETAILS OF BENTS #1 & #2 SEE DWG. D-4-92, STAND. CONC. PILE BENTS, 20" ROADWAY, SEE ALSO THIS SHEET.  
 FOR DETAILS OF PIERS #1 & #2 SEE DWG. A-0-12, STAND. CONC. PIER, DUMBELL TYPE, TYPE "A", HEIGHT 24'-6", L=23'-1", SEE ALSO THIS SHEET. LENGTHEN BARS L AND K BY 1'-1" AND ADD 1 BAR M - 2 BAR N - 2 BARS O AND 1 BAR P FOR EACH PIER.

FOR DETAILS OF GIRDERS NOT SHOWN ON DWGS. A-6-8, & A-6-9, SEE DWGS. A-0-3 & A-0-4, STANDARD CONCRETE DECK GIRDERS 36" & 24" CLEAR SPANS, 20" ROADWAY.



**STEEL LIST FOR BENT CAP**  
 9 - #3 BARS A @ 24'-3" = 186 LBS.  
 14 - #3 " B @ 9'-6" = 113 " "  
 8 - #3 " C @ 2'-0" = 24 " "  
 TOTAL 323 LBS.  
 THIS STEEL LIST SUPERSEDES LIST ON DWG. D-4-92.



**ESTIMATED QUANTITIES.**

	EXCAV. CU.YDS.		CONCRETE CU.YDS.		STEEL LBS.		RIP-RAP CU.YDS.	COMMON EXCAV. CU.YDS.	CONCRETE PILING LIN. FT.	TIMBER PILING UN-TREATED LIN. FT.
	DRY	WET	CLASS 'S'	CLASS 'A'	REINFC.	STRUCT.				
SUPERSTRUCT	-	-	20.0	169.7	34986	1731	-	-	-	-
ABUTMENT #1	-	-	-	-	7.9	426	17	-	161	-
BENT #1	-	-	-	-	5.9	323	-	-	175	-
PIER #1	116	109	-	-	57.8	2633	-	-	-	256
PIER #2	116	109	-	-	57.8	2609	-	-	-	256
BENT #2	-	-	-	-	5.9	323	-	-	175	-
ABUTMENT #2	-	-	-	-	7.9	426	14	-	161	-
TOTALS	232	218	20.0	312.9	41726	1731	31	163	672	512

COMMON EXCAVATION CONSISTS OF EXCAVATING ON TOP OF RIVER BANKS FOR THE FULL WIDTH OF RIGHT OF WAY AS SHOWN ON LAYOUT, AND PLACING THE MATERIAL IN ROAD EMBANKMENT AS DIRECTED BY THE ENGINEER IN CHARGE.

STATE OF TENNESSEE  
 DEPARTMENT OF HIGHWAYS  
 AND PUBLIC WORKS  
 NASHVILLE  
**LAYOUT OF BRIDGE**  
 AT STA. 211+44.0  
 HAYWOOD CO.  
 1929.

CORRECTED BY *L. J. Kenilworth*  
 BRIDGE ENGINEER  
 APPROVED BY *J. C. McQuay*  
 STATE HIGHWAY ENGINEER

DESIGNED BY *H. Schumma* DATE  
 DRAWN BY *H. Schumma* DATE 12-2-29  
 TRACED BY *E. GARY HAMMOND* DATE DEC. 20, 1929  
 CHECKED BY *R. L. P.* DATE

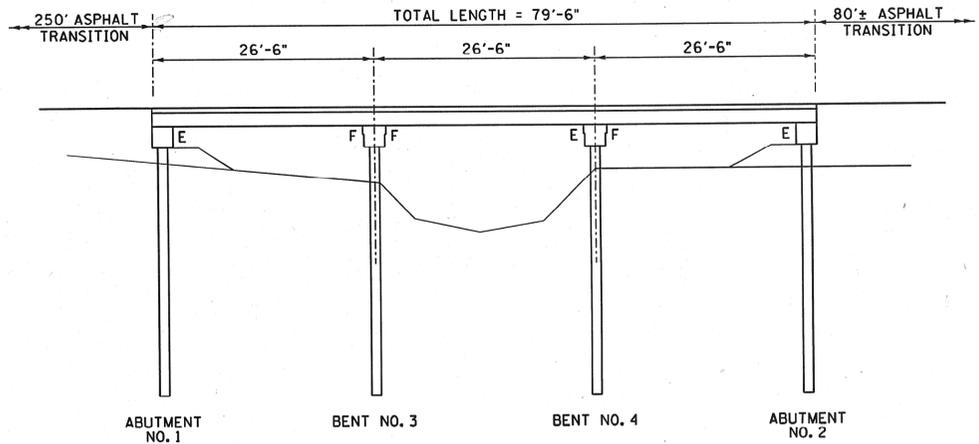
A-7-10

MICROFILMED

T. C. G. S. 1-4-30

**LIST OF DRAWINGS**

DWG. NO.	REVISION	DRAWING
BR-82-25	1/17/07	LAYOUT OF BRIDGE TO BE REPAIRED (15.95)
BR-82-27	1/17/07	ESTIMATED QUANTITIES
BR-82-28		GENERAL NOTES
BR-82-29		BRIDGE REPAIR DETAILS
BR-82-30		BRIDGE REPAIR DETAILS
BR-82-31		BRIDGE REPAIR DETAILS
BR-82-32		BRIDGE REPAIR DETAILS
BR-82-33		BRIDGE REPAIR DETAILS
BR-82-34		BRIDGE REPAIR DETAILS
BR-82-35		BRIDGE REPAIR DETAILS
BR-82-46		BRIDGE REPAIR DETAILS
BR-82-47		BRIDGE REPAIR DETAILS
BR-82-48		BRIDGE REPAIR DETAILS
BR-82-49		BRIDGE REPAIR DETAILS
BR-82-50		BRIDGE REPAIR DETAILS
BR-82-51		BRIDGE REPAIR DETAILS
BR-82-52		BRIDGE REPAIR DETAILS
BR-82-53		BRIDGE REPAIR DETAILS



**ELEVATION**  
SCALE: 1" = 10'-0"

**LIST OF REFERENCE DRAWINGS**

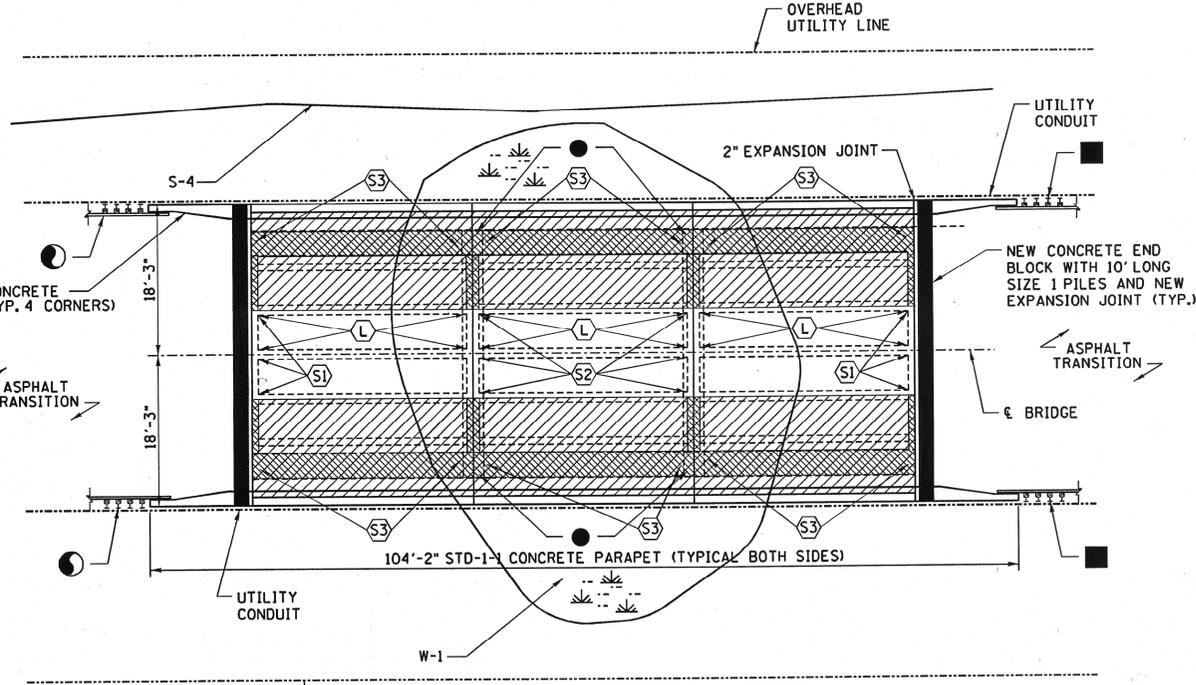
DWG. NO.	DRAWING
A-7-9	LAYOUT OF BRIDGE
A-0-4	CONCRETE BRIDGES

ALL REFERENCE DRAWINGS TO BE PRINTED WITH THE PLANS

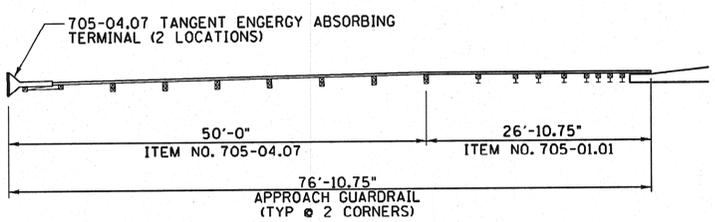
**SPECIAL PROVISIONS**

NO.	LAST REV. DATE	REGARDING
105A	**	APPROVAL OF SHOP DRAWINGS
712F	**	FLORESCENT ORANGE CONSTRUCTION SIGNS

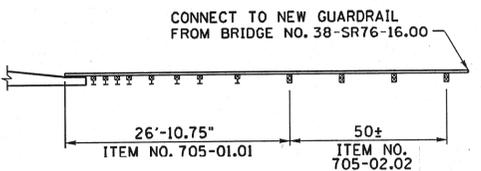
\*\* DENOTES CURRENT REVISION DATE AS PER CONTRACT DOCUMENTS



**PLAN**  
SCALE: 1" = 10'-0"



**DETAIL**



**DETAIL**  
(TYP. @ 2 CORNERS)

**LEGEND**  
F : DENOTES FIXED END  
E : DENOTES EXPANSION END



PROJECT NO.	YEAR	SHEET NO.
38007-4226-04	2007	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	1/17/07	AJK	ADDED NOTE AND ADDED REVISION DATE

**SCOPE OF WORK**

- REMOVE EXISTING ASPHALT OVERLAY AND BINDER COURSE BEHIND BARRICADE ON BRIDGE DECK. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-29, BR-82-30 AND BR-82-52.
- REMOVE EXISTING CANTILEVERS, BRIDGERAIL, EXTERIOR TWO (2) BEAMS, PORTION OF EXISTING SLAB, DESIGNATED DIAPHRAGMS, AND PORTION OF WINGWALLS AT BOTH ABUTMENTS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-29, BR-82-30 THRU BR-82-33.
- SCARIFY EXISTING BRIDGE DECK 1". FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-29 AND BR-82-30.
- PROVIDE NEW 17" X 36" PRESTRESSED PRECAST BOX BEAMS TO REPLACE THE BEAMS THAT ARE REMOVED. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-34.
- PROVIDE FOR FILL AND PARTIAL DEPTH DECK REPAIR. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-53.
- PROVIDE A NEW 6 1/2" MIN. CONCRETE OVERLAY, EXTERIOR SLAB BAYS AND NEW CANTILEVERS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-29 THRU BR-82-33.
- INSTALL NEW STANDARD STD-1-1 CONCRETE PARAPET AND 10'-2" STANDARD END POSTS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-29 THRU BR-82-33.
- PROVIDE BRIDGE DECK GROOVING WITHIN 1'-0" OF THE TOE OF THE PARAPET FOR FULL LENGTH OF BRIDGE.
- PROVIDE NEW STANDARD GUARDRAIL AT BRIDGE END AS SHOWN ON DETAILS THIS DWG.
- PROVIDE APPLIED TEXTURE FINISH TO CONCRETE PARAPET AND AROUND THE EDGE OF THE DECK TO THE EDGE OF THE EXTERIOR BOX BEAMS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-48.
- COLD PLANE AT BOTH ENDS OF BRIDGE AND APPLY 1 1/4" THICKNESS OF GRADING "D" SURFACE COURSE. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-52.
- PROVIDE CONCRETE END BLOCK AT EACH ABUTMENT WITH 10' LONG SIZE 1 CONCRETE PILES. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-46.
- PROVIDE NEW EXPANSION JOINT AT EACH ABUTMENT. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-46 AND BR-82-47.
- PROVIDE BENT CAP REPAIR. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-45.
- PROVIDE SPALL REPAIR WHERE NEEDED. THE ENGINEER FROM TENNESSEE D.O.T. SHALL LOCATE SPALL REPAIR AREAS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-48.
- PROVIDE TRAFFIC CONTROL USING TRAFFIC SIGNAL SYSTEM AND CONCRETE BARRIER RAIL TO ALLOW ONE LANE OF TRAFFIC TO BE OPEN AT ALL TIMES. SEE SHEET NOS. 4 AND 5 FOR DETAILS.
- PROVIDE LONGITUDINAL SEISMIC RESTRAINTS AT ALL BEAMS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-49 AND BR-82-50.
- PROVIDE LATERAL SEISMIC RESTRAINTS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-51.

NO HAUL ROADS WILL BE PERMITTED ON THIS PROJECT.

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE  
TO BE REPAIRED

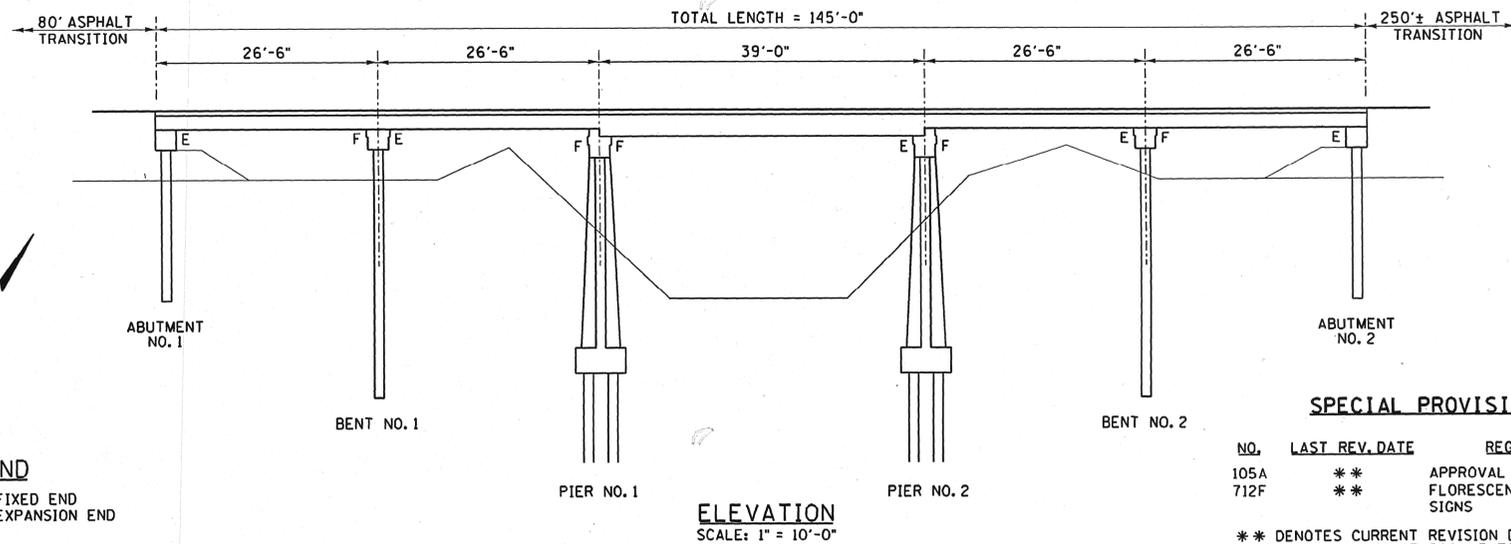
SR76 OVER OVERFLOW  
BRIDGE NO. 38-SR76-15.95

HAYWOOD COUNTY  
2007



L:\2007\010102419\DWG\HW-08.DGN 11/10/06

**GARVER ENGINEERS**  
 DESIGNED BY: A. J. KHAIRI DATE SEPT. 2009  
 DRAWN BY: C. W. THOMAS DATE SEPT. 2009  
 SUPERVISED BY: J. H. RUELLELL DATE SEPT. 2009  
 CHECKED BY: A. J. KHAIRI DATE SEPT. 2009  
 TN D.O.T. ENGINEERING SUPERVISOR: M. LAWSON



**LEGEND**  
 F : DENOTES FIXED END  
 E : DENOTES EXPANSION END

**ELEVATION**  
 SCALE: 1" = 10'-0"

**SPECIAL PROVISIONS**

NO.	LAST REV. DATE	REGARDING
105A	**	APPROVAL OF SHOP DRAWINGS
712F	**	FLORESCENT ORANGE CONSTRUCTION SIGNS

\*\* DENOTES CURRENT REVISION DATE AS PER CONTRACT DOCUMENTS

**LIST OF REFERENCE DRAWINGS**

DWG. NO.	DRAWING
A-7-10	LAYOUT OF BRIDGE
A-0-3	CONCRETE BRIDGES
A-0-7	CONCRETE BRIDGES
E-12-105	CONCRETE HANDRAIL
K-15-65	BRIDGE WIDENING
K-15-66	BRIDGE WIDENING
K-15-67	BRIDGE WIDENING
K-15-68	SLAB PLAN
K-15-69	SLAB PLAN
K-15-70	SLAB PLAN
K-15-71	SLAB PLAN
K-15-72	SLAB PLAN
K-15-73	SLAB PLAN
K-15-74	SLAB PLAN

ALL REFERENCE DRAWINGS TO BE PRINTED WITH THE PLANS

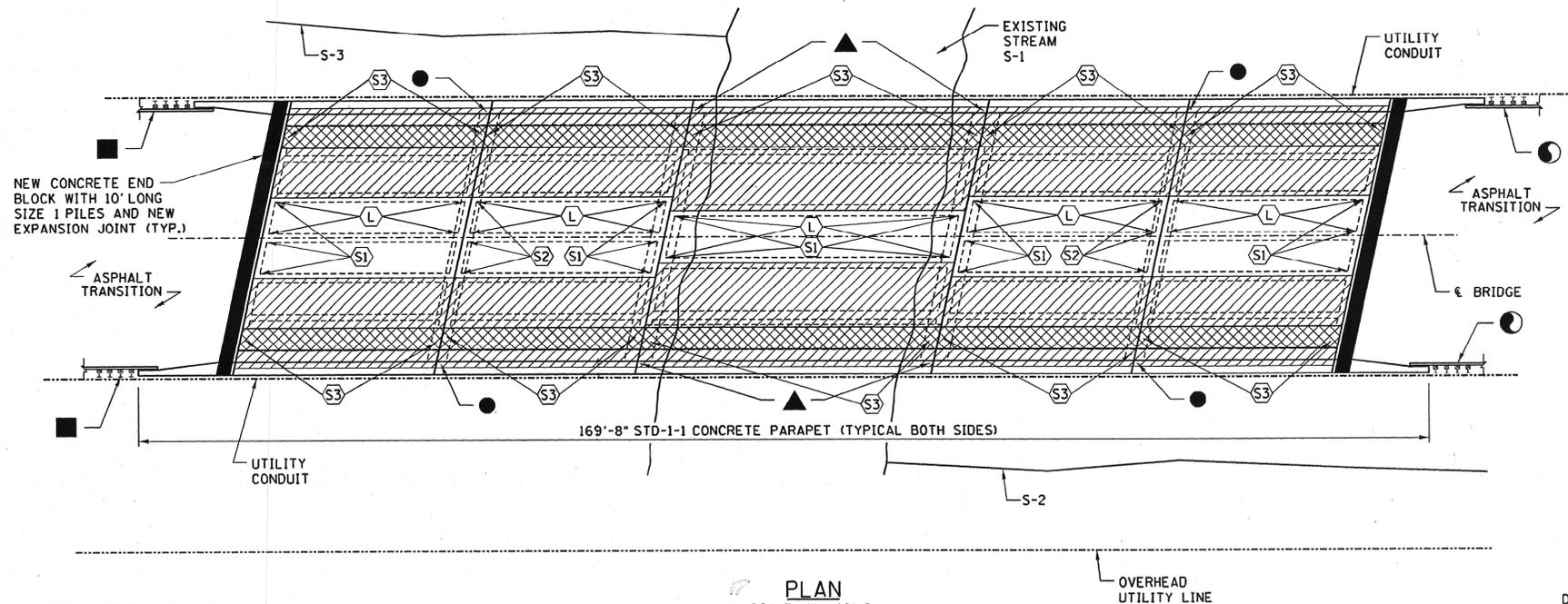
PROJECT NO.	YEAR	SHEET NO.
38007-4226-04	2007	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	1/17/07	AJK	ADDED NOTE AND ADDED REVISION DATE

**SCOPE OF WORK**

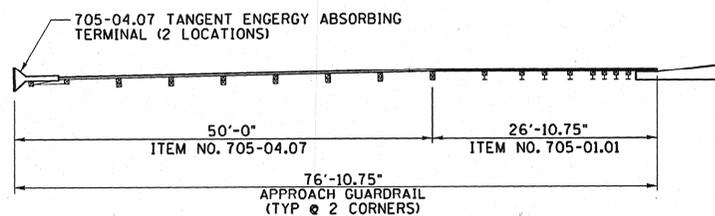
- REMOVE EXISTING ASPHALT OVERLAY AND BINDER COURSE BEHIND BARRICADE ON BRIDGE DECK. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-35 THRU BR-82-38 AND BR-82-52.
- REMOVE EXISTING CANTILEVERS, BRIDGERAIL, EXTERIOR TWO (2) BEAMS, PORTION OF EXISTING SLAB, DESIGNATED DIAPHRAGMS AND PORTION OF EXISTING WINGWALLS AT BOTH ABUTMENTS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-35 THRU BR-82-38.
- SCARIFY EXISTING BRIDGE DECK 1". FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-35 AND BR-82-38.
- PROVIDE NEW PRESTRESSED PRECAST BOX BEAMS TO REPLACE THE BEAMS THAT ARE REMOVED. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-42 THRU BR-82-43.
- PROVIDE FOR FILL AND PARTIAL DEPTH DECK REPAIR. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-53.
- PROVIDE A NEW 6 1/2" MIN. CONCRETE OVERLAY, EXTERIOR SLAB BAYS AND NEW CANTILEVERS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-35 AND BR-82-37.
- INSTALL NEW STANDARD STD-1-1 CONCRETE PARAPET AND 10'-2" STANDARD END POSTS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-35 THRU BR-82-39.
- PROVIDE BRIDGE DECK GROOVING WITHIN 1'-0" OF THE TOE OF THE PARAPET FOR FULL LENGTH OF BRIDGE.
- PROVIDE NEW STANDARD GUARDRAIL AT BRIDGE END AS SHOWN ON DETAILS THIS DWG.
- PROVIDE APPLIED TEXTURE FINISH TO CONCRETE PARAPET AND AROUND THE EDGE OF THE DECK TO THE EDGE OF THE EXTERIOR BOX BEAMS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-48.
- COLD PLANE AT BOTH ENDS OF BRIDGE AND APPLY 1 1/2" THICKNESS OF GRADING "D" SURFACE COURSE. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-52.
- PROVIDE CONCRETE END BLOCK AT EACH ABUTMENT WITH 10' LONG SIZE 1 CONCRETE PILES. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-46.
- PROVIDE NEW EXPANSION JOINT AT EACH ABUTMENT. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-46 AND BR-82-47.
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- PROVIDE LONGITUDINAL SEISMIC RESTRAINTS AT ALL BEAMS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-82-49 AND BR-82-50.
- PROVIDE LATERAL SEISMIC RESTRAINTS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-51.
- DESIGNATES EXISTING CORBEL REMOVAL AND REPLACEMENT. FOR NOTES AND DETAILS, SEE DWG. NO. BR-82-44.
- CLEAN AND PAINT EXISTING STRUCTURAL STEEL AT PIERS 1 & 2. FOR NOTES SEE SHEET NO. 3.



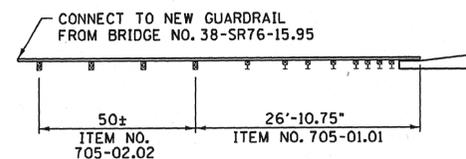
**PLAN**  
 SCALE: 1" = 10'-0"

**LIST OF DRAWINGS**

DWG. NO.	REVISION	DRAWING
BR-82-26		LAYOUT OF BRIDGE TO BE REPAIRED (16.00)
BR-82-27	1/17/07	ESTIMATED QUANTITIES
BR-82-28	1/17/07	GENERAL NOTES
BR-82-35		BRIDGE REPAIR DETAILS
BR-82-36		BRIDGE REPAIR DETAILS
BR-82-37		BRIDGE REPAIR DETAILS
BR-82-38		BRIDGE REPAIR DETAILS
BR-82-39		BRIDGE REPAIR DETAILS
BR-82-40		BRIDGE REPAIR DETAILS
BR-82-41		BRIDGE REPAIR DETAILS
BR-82-42		BRIDGE REPAIR DETAILS
BR-82-43		BRIDGE REPAIR DETAILS
BR-82-44		BRIDGE REPAIR DETAILS
BR-82-45		BRIDGE REPAIR DETAILS
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BR-82-49		BRIDGE REPAIR DETAILS
BR-82-50		BRIDGE REPAIR DETAILS
BR-82-51		BRIDGE REPAIR DETAILS
BR-82-52		BRIDGE REPAIR DETAILS
BR-82-53		BRIDGE REPAIR DETAILS



**DETAIL**



**DETAIL**  
 (TYP. @ 2 CORNERS)

NO HAUL ROADS WILL BE PERMITTED ON THIS PROJECT.

**GARVER ENGINEERS**

DESIGNED BY: A. J. KHAIRI DATE SEPT. 2009  
 DRAWN BY: C. W. THOMAS DATE SEPT. 2009  
 SUPERVISED BY: J. H. RUDELL DATE SEPT. 2009  
 CHECKED BY: A. J. KHAIRI DATE SEPT. 2009

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

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

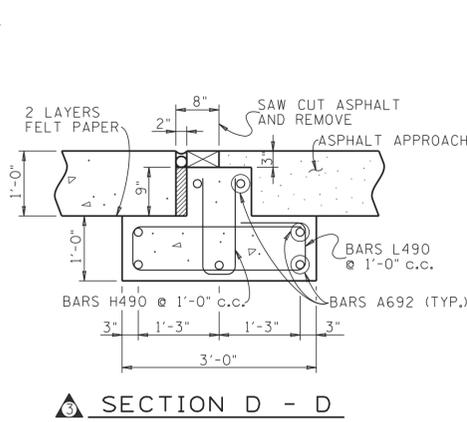
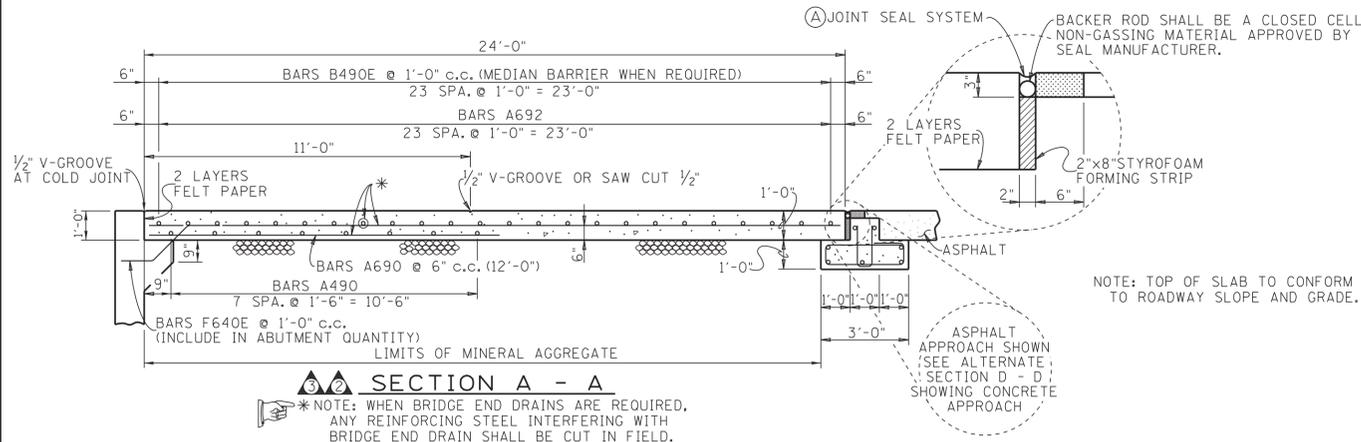
LAYOUT OF BRIDGE  
 TO BE REPAIRED  
 SR76 OVER NIXON CREEK  
 BRIDGE NO. 38-SR76-16.00



HAYWOOD COUNTY  
 2007

BR-82-26

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**BILL OF STEEL**

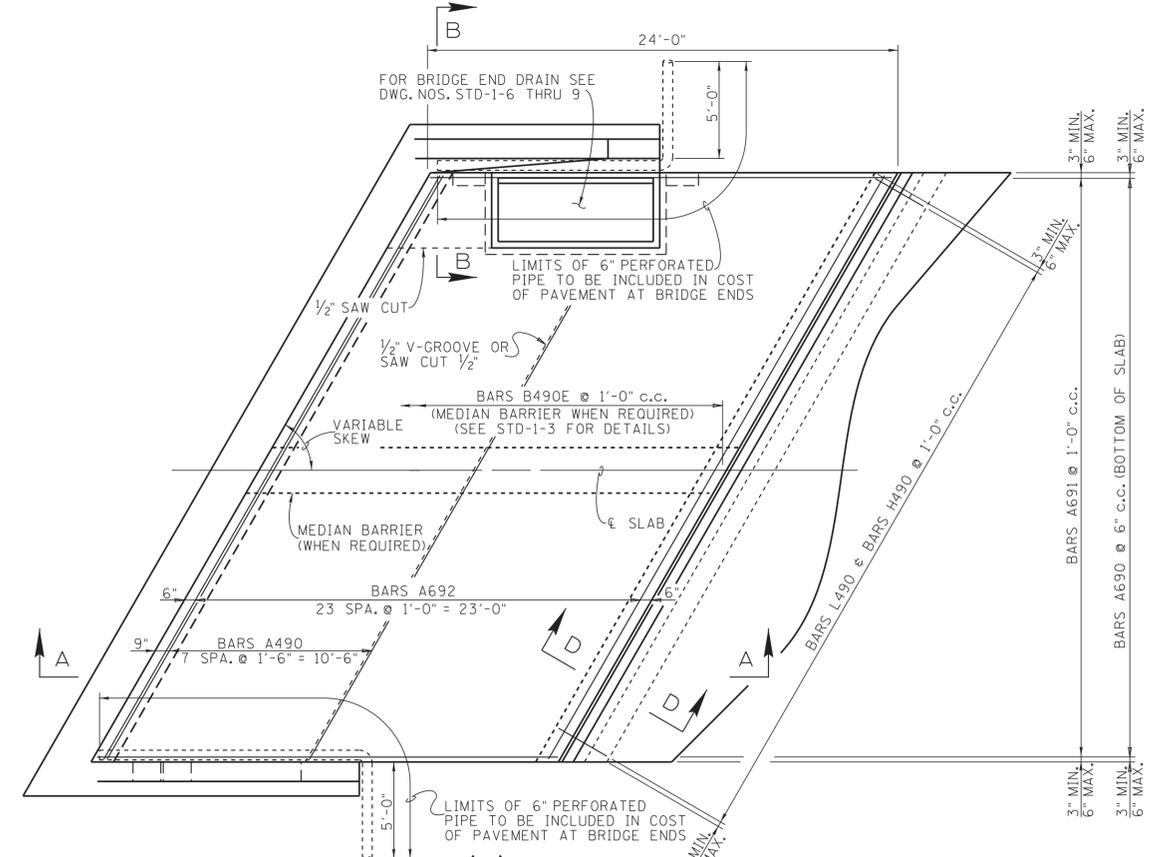
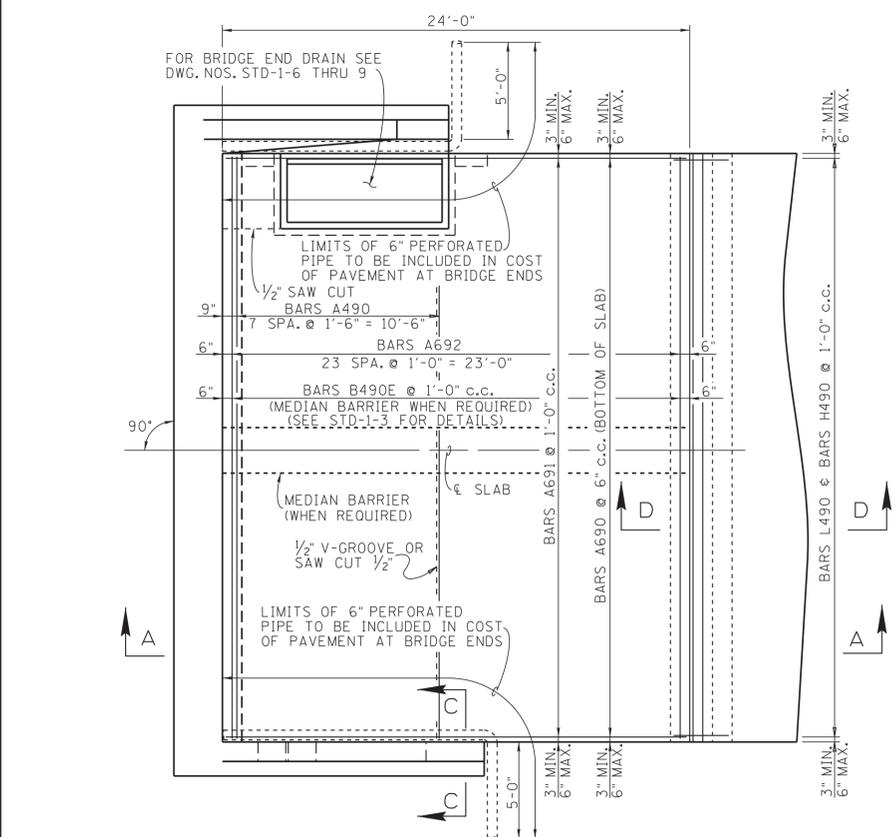
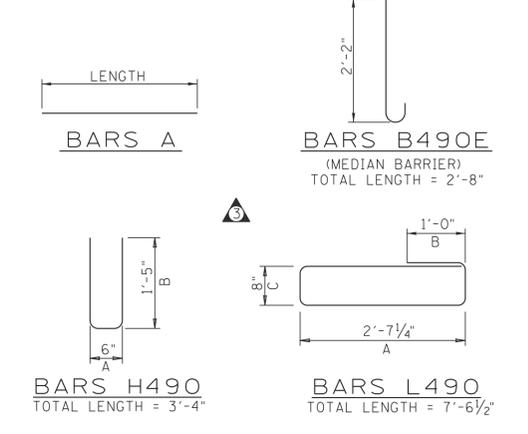
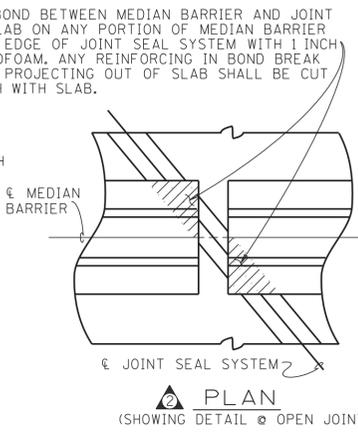
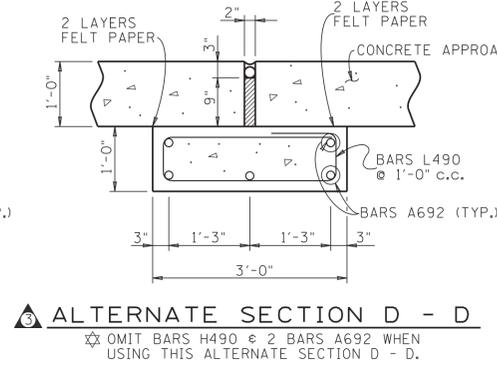
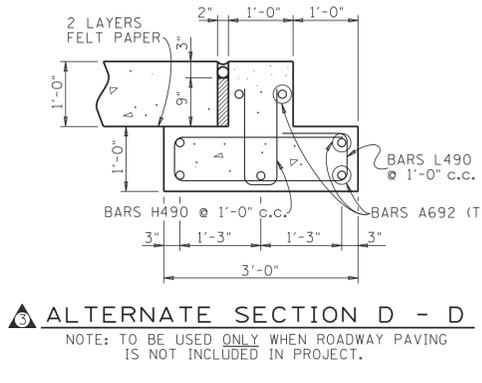
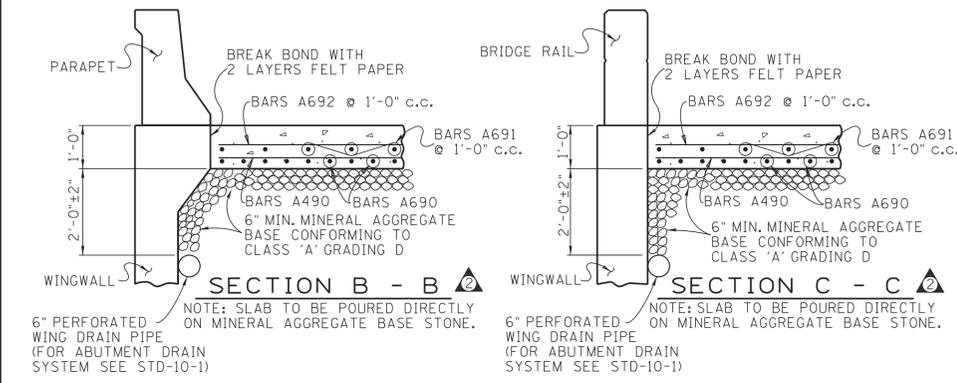
BARS	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS				LENGTH
				A	B	C	D	
B490E	MEDIAN (WHEN REQ'D.)	4	48					2'-8"
A490	SLAB	4	8					△
A690	SLAB	6	△					12'-0"
A691	SLAB	6	△					23'-8"
A692	SLAB	6	31					△
H490	FOOTING	4	△	6"	1'-4"			3'-4"
L490	FOOTING	4	△	2'-7 1/4"	1'-0"	8"		7'-6 1/2"

△ THESE NUMBERS VARY DEPENDING UPON ROADWAY WIDTH.

PROJECT NO.	YEAR	SHEET NO.
	1995	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	5-1-95	CMH	GENERAL REVISION REDESIGN
2	12-18-95	CMH	ADDED BARS A490 AND JOINT DETAIL
3	4-28-97	CMH	REVISED JOINT DETAILS AND NOTE
4	9-6-99	CMH	REVISED JOINT NOTE



**NOTES**

- QUANTITIES FOR CLASS 'A' CONCRETE, REGULAR AND EPOXY COATED REINFORCING STEEL (WHEN REQUIRED FOR MEDIAN BARRIER), BACKER ROD, JOINT SEALER, ELASTOMERIC CONCRETE, STYROFOAM, GRATE AND MISCELLANEOUS MATERIALS FOR BRIDGE END DRAIN, WHEN REQUIRED, ARE TO BE INCLUDED IN PAVEMENT AT BRIDGE ENDS, S.Y. FOR BAR BENDING DIMENSIONS SEE THIS SHEET AND BILL OF STEEL FOR BRIDGE END DRAIN ON DRAWING NO. STD-1-6.
- COST OF MINERAL AGGREGATE CLASS A GRADING D BASE QUANTITY SHALL BE INCLUDED IN COST OF PAVEMENT AT BRIDGE ENDS. CLASS B GRADING C OR D MAY ALSO BE USED.

**GENERAL NOTES**

CONCRETE: TO BE CLASS 'A' (f'c = 3,000 psi)

REINFORCING STEEL: SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. SEE SECTION 604 AND 907 OF THE STANDARD SPECIFICATIONS.

SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (CURRENT EDITION).

NOTE: THE APPROACH SLAB SHALL NOT BE POURED UNTIL THE ADJACENT END SPAN DECK SLAB IS IN PLACE AND ACCEPTED BY THE ENGINEER.

NOTE: THE APPROACH SLAB CONTROL ELEVATIONS SHALL BE ADJUSTED, (IF REQUIRED), SO AS TO MATCH THE IN PLACE DECK SLAB IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

**JOINT SEAL SYSTEM:**  
THE EXPANSION JOINT SYSTEM USED SHALL BE ON THE TDOT APPROVED QUALIFIED LISTS FOR ACCEPTABLE PRODUCTS. THE JOINT SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF AN AUTHORIZED TECHNICIAN PROVIDED BY THE EXPANSION JOINT SUPPLIER.

DESIGNED BY: C.M. HILES  
 DRAWN BY: KIM FRANKENFIELD  
 SUPERVISED BY: C.M. HILES  
 CHECKED BY: \_\_\_\_\_

DATE: 4-95  
 DATE: 4-95  
 DATE: \_\_\_\_\_

CORRECT *Edward P. Wasserman*  
 ENGINEER OF STRUCTURES

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE  
 PAVEMENT AT BRIDGE ENDS  
 1995

SHEET 5 OF 13  
 STD-1-5