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**Anthony Lee Washington III**  
**2024.11.20 13:45:45-06'00'**

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HDR ENGINEERING  
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 ROADWAY DRAWINGS .....	1A
PROJECT COMMITMENTS .....	1B
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2A
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2A1
GENERAL NOTES.....	2B
SPECIAL NOTES.....	2C
UTILITY OWNERS.....	2C1
ENVIRONMENTAL NOTES.....	2D, 2D1
TABULATED QUANTITIES .....	2E

YEAR	PROJECT NO.	SHEET NO.
2025	STP/HSIP-102(18)	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

RUTHERFORD COUNTY

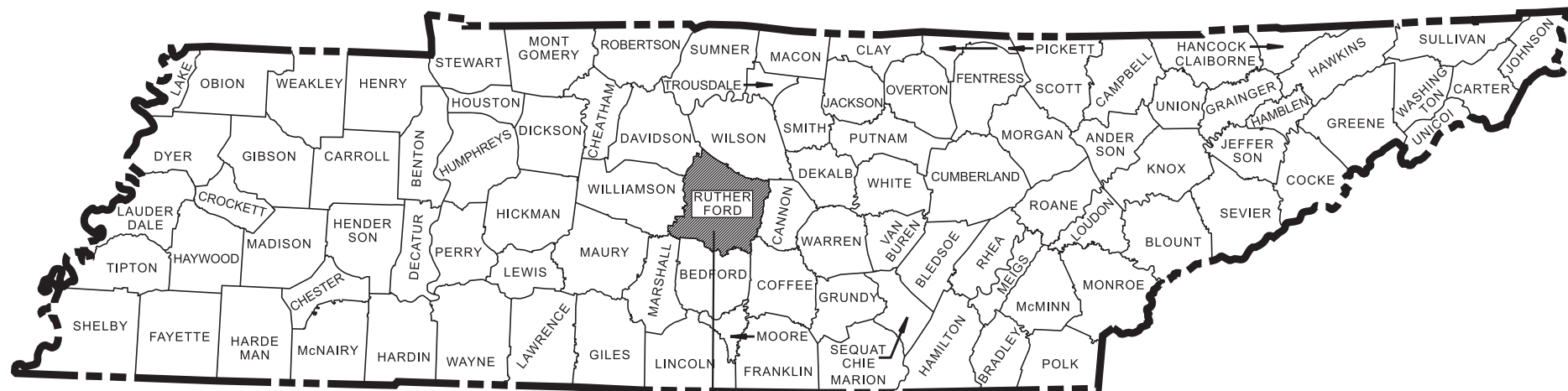
STATE ROUTE 102  
FROM: SR-96 (L.M. 0.00)  
TO: NEAR MERCEDES DRIVE (L.M. 6.00)

RESURFACE & SAFETY  
MILL & 'D' OVERLAY AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 102 F.A.H.S. NO. N/A

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

TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.	STP/HSIP-102(18)	
STATE PROJ. NO.	75S102-F8-002	
STATE PROJ. NO.	75S102-F3-002	
STATE PROJ. NO.	75S102-M3-003	



PROJECT LOCATION  
BRIDGE ID. # 75SR8400005 75S62160001 75S62160003  
75S62160005 75S62160007

NO EXCLUSIONS



75S102-F3-002  
75S102-F8-002  
END PROJECT NO. STP/HSIP-102(18) RESURFACE  
L.M. 6.00

BRIDGE DECK REPAIR PROJECT NO. 75S102-M3-003  
SR-102 @ L.M. 0.68

75S102-F3-002  
75S102-F8-002  
BEGIN PROJECT NO. STP/HSIP-102(18) RESURFACE  
L.M. 0.00

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.

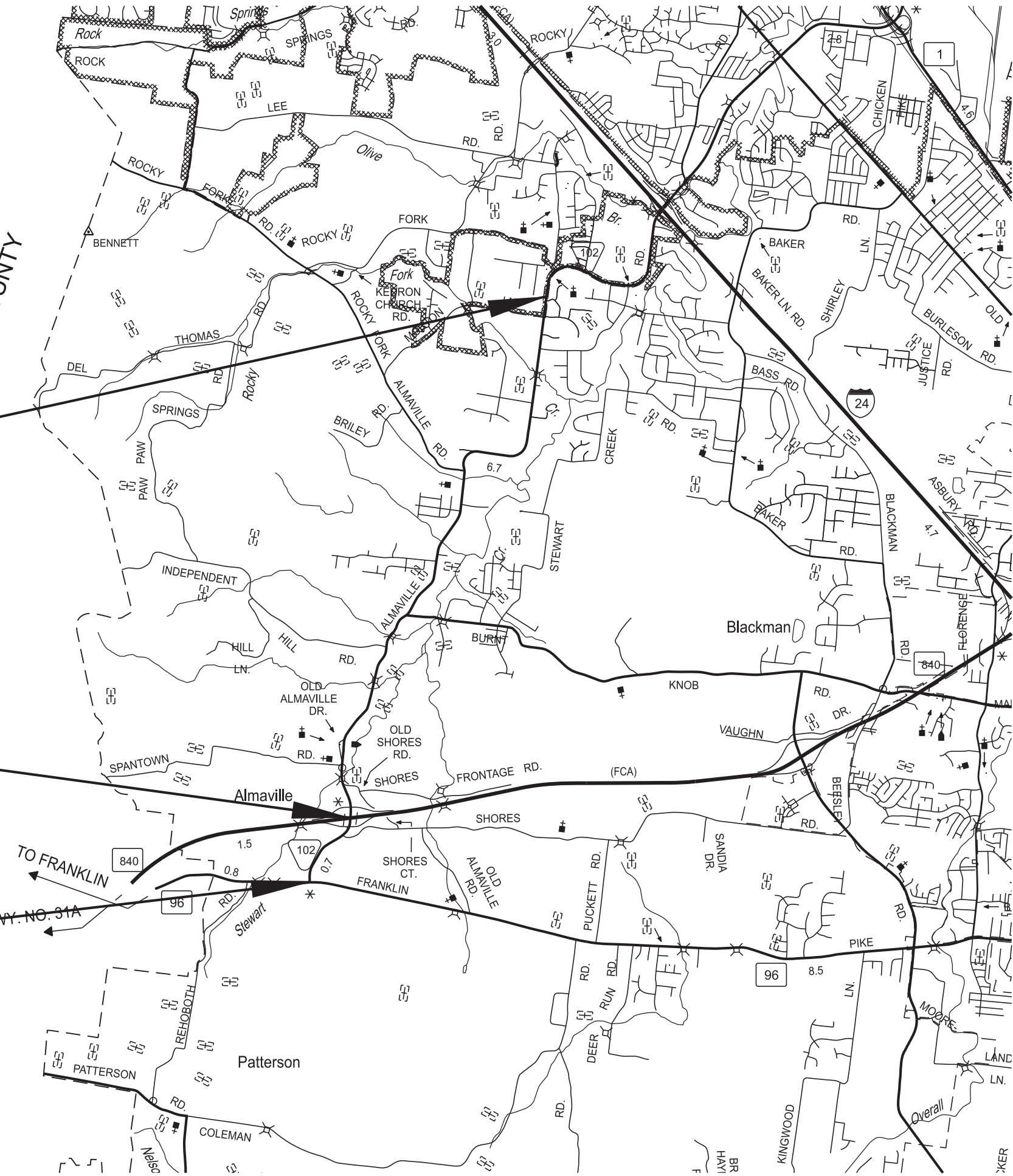
TDOT PROJECT MANAGER : KONNER SPRADLIN, P.E.

DESIGNED BY : HDR ENGINEERING, INC.

DESIGNER : ANTHONY L. WASHINGTON, III, P.E. CHECKED BY DAVID HORNE, P.E.

P.E. NO. 98034-4283-04

PIN NO. 133000.00



SCALE: 1"= 5280'

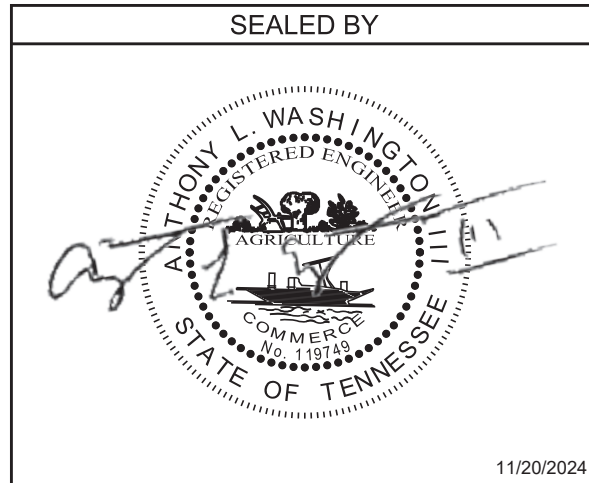
PROJECT LENGTH 6.00 MILES  
TOTAL LANE MILES RESURFACED 12.45 MILES

TRAFFIC COUNTER & WEATHER STATIONS

STATION LOCATION	LOG MILE
TC STATION 52	0.419
TC STATION 53	3.103

TRAFFIC DATA

ADT (2025)	22,320
POSTED SPEED	40 MPH



APPROVED: WILL REID, CHIEF ENGINEER

DATE:

APPROVED: 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 ROADWAY DRAWINGS .....	1A
PROJECT COMMITMENTS .....	1B
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2A, 2A1
GENERAL NOTES.....	2B
SPECIAL NOTES.....	2C
UTILITY OWNERS.....	2C1
ENVIRONMENTAL NOTES.....	2D, 2D1
TABULATED QUANTITIES .....	2E
BRIDGE REPAIR PLANS .....	B-1

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


NO UTILITY SHEETS INCLUDED IN THIS SET OF PLANS

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
SAFETY DESIGN AND GUARDRAILS		
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GR31-1D	03-01-23	GUARDRAIL POST PLACEMENT IN ROCK
S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND 21 TERMINALS (RETROFIT)
DESIGN - TRAFFIC CONTROL		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
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-15A	06-28-19	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED RURAL ROUTES
T-M-16	07-30-24	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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	1A

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11/20/2024

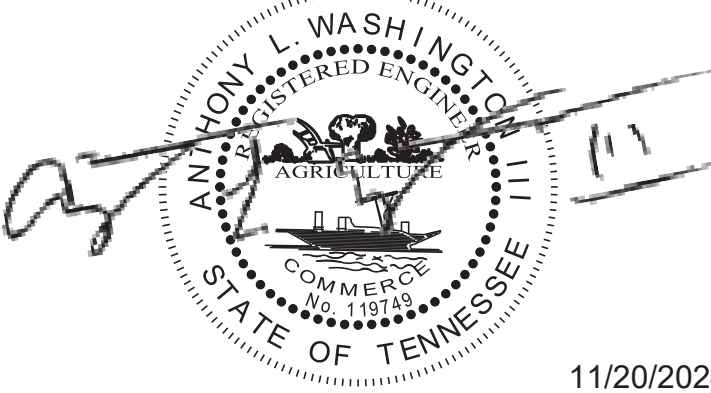
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX  
AND  
STANDARD  
ROADWAY  
DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	1B

PROJECT COMMITMENTS			
COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	Environmental Division, Hazardous Materials	ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS COMPLETED ON BRIDGE NO.75SR8400005 SR-102 OVER I-840 LM 0.68 (7-SR102--00.68). 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 BEPOSITED IN A C&D LANDFILL. PRIOR TO THE DEMOLITION OR REHABILITATION OF ANY STRUCTURE (BRIDGE OR BUILDING), THE CONTRACTOR IS REQUIRED TO SUBMIT NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TDEC DIVISION OF AIR POLLUTION CONTROL (PER TDOT STANDARDS AND SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021) SECTIONS 107.08.D AND 202.03).	BRIDGE NO.75SR8400005 SR-102 OVER I-840 LM 0.68 (7-SR102--00.68)

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PROJECT  
COMMITMENTS




ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75S102-F8-002	QUANTITY 75S102-F3-002	TOTAL QUANTITY
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	12		12
(2)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	307		307
(3)	307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	15		15
	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	33		33
(4)	411-02.10 ACS MIX(PG70-22) GRADING D	TON	7120		7120
	411-12.02 SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.		1.3	1.3
	411-12.04 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4IN WIDTH)	L.M.		7.9	7.9
(5)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	7068		7068
	705-04.09 EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH		2	2
	705-06.20 TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH		2	2
	706-01 GUARDRAIL REMOVED	L.F.		100	100
(6)	712-01 TRAFFIC CONTROL	LS	1		1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	96		96
(7)	712-06 SIGNS (CONSTRUCTION)	S.F.	1304		1304
	713-02.14 FLEXIBLE DELINEATOR (WHITE)	EACH	20		20
	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (B-DIR)(1 COLOR)	EACH	398		398
	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	398		398
(9)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	42		42
(8)(9)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	264		264
(9)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	15		15
(9)	716-02.07 PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	71		71
(9)	716-03.03 PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	1		1
(9)	716-03.07 PLASTIC WORD PAVEMENT MARKING (STOP)	EACH	1		1
(9)	716-04.01 PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	2		2
(9)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	2		2
(9)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	15		15
(9)	716-04.17 PLASTIC PAVEMENT MARKING (YIELD SYMBOL)	EACH	1		1
(9)	716-02.11 PLASTIC PAVEMENT MARKING (6" DOTTED LINE)	L.F.	96		96
(10)	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	24.5		24.5
(11)	716-09.86 CONTRAST PAVEMENT MARKING 6"	L.M.		0.2	0.2
(11)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	24.5		24.5
	717-01 MOBILIZATION	LS	1		1

THERE ARE NO UTILITY 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 REPAIR.
(4)	INCLUDES 288 TONS FOR PRIVATE DRIVES, COUNTY ROADS. FIELD ENTRANCES AND BUSINESS ENTRANCES.
(5)	INCLUDES 285 TONS FOR PRIVATE DRIVES, COUNTY ROADS. FIELD ENTRANCES AND BUSINESS ENTRANCES.
(6)	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.
(7)	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).
(8)	ALL STOP BARS ON SIDE STREETS WILL BE RETRACED AS DIRECTED BY THE ENGINEER.
(9)	THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(10)	ITEM TO BE USED FOR TEMPORARY PAVEMENT MARKING.
(11)	ITEM TO BE USED AS PERMANENT MARKING FOR EGDELINES AND CENTERLINES.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2

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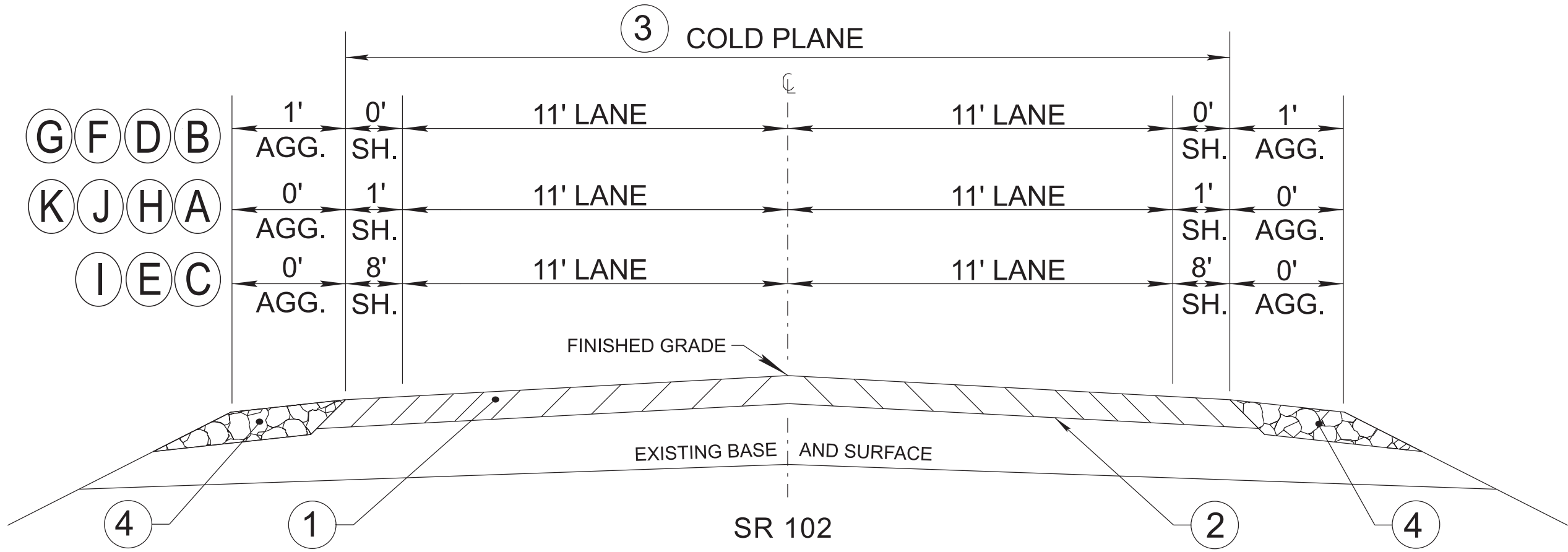


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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

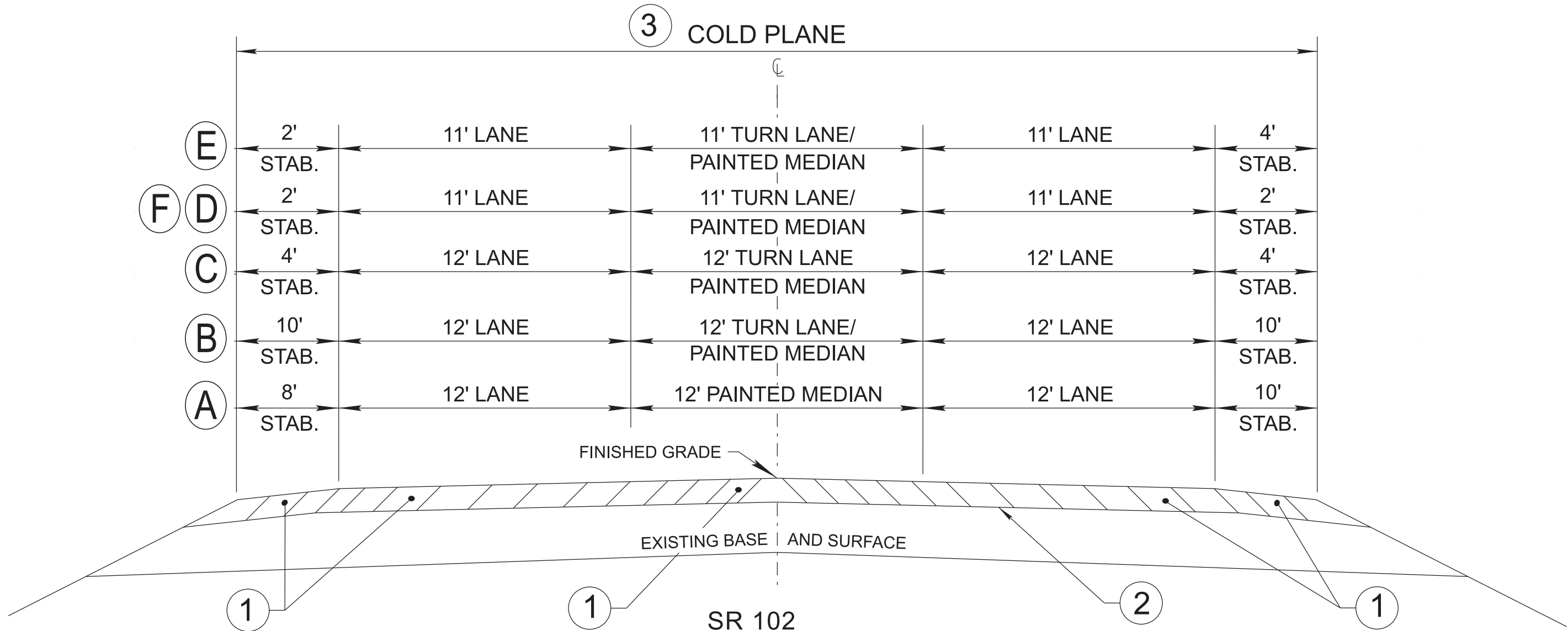
ESTIMATED  
ROADWAY  
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2A



- SR 102  
TYPICAL SECTION
- A L.M. 0.00 TO L.M. 0.48
  - B L.M. 0.98 TO L.M. 1.83
  - C L.M. 1.83 TO L.M. 1.96
  - D L.M. 1.96 TO L.M. 2.33
  - E L.M. 2.33 TO L.M. 2.43
  - F L.M. 2.43 TO L.M. 3.09
  - G L.M. 3.18 TO L.M. 3.91
  - H L.M. 4.04 TO L.M. 5.23
  - I L.M. 5.23 TO L.M. 5.40
  - J L.M. 5.40 TO L.M. 5.74
  - K L.M. 5.87 TO L.M. 6.00

SEE SHEET 2A1 FOR PAVEMENT SCHEDULE



- SR 102  
TYPICAL SECTION
- A L.M. 0.48 TO L.M. 0.62
  - B L.M. 0.62 TO L.M. 0.92
  - C L.M. 0.92 TO L.M. 0.98
  - D L.M. 3.09 TO L.M. 3.18
  - E L.M. 3.91 TO L.M. 4.04
  - F L.M. 5.74 TO L.M. 5.87

SEALED BY

ANTHONY L. WASHINGTON  
REGISTERED ENGINEER  
NO. 118745  
STATE OF TENNESSEE

11/20/2024

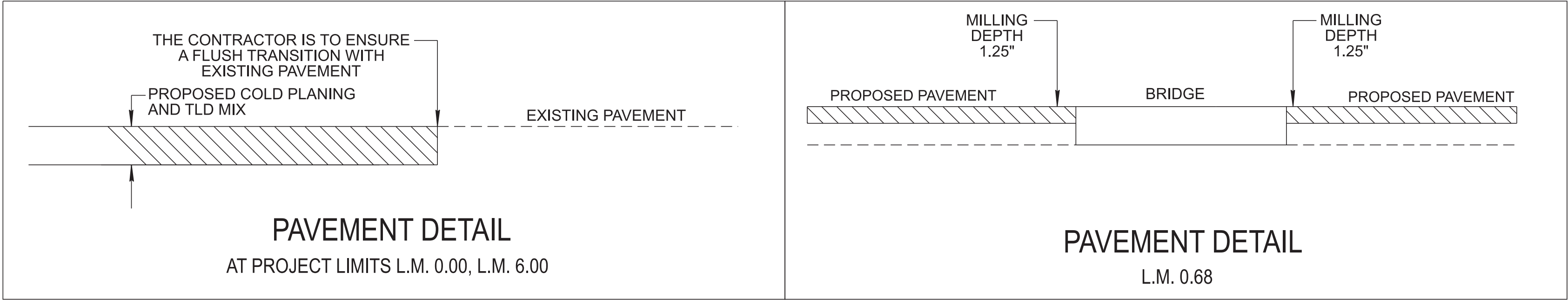
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL  
SECTIONS AND  
PAVEMENT  
SCHEDULE




TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2A1

PROPOSED PAVEMENT SCHEDULE	
①	ASPHALTIC CONCRETE SURFACE (HM) 1 ¼" TH. (APPROX. 132.5 LBS/SY) ITEM NO. 411-02.10 ACS MIX (PG70-22) GRADING D
②	TACK COAT (TC) ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE D.G. 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD.
③	COLD PLANING 1 ¼" TH. (APPROX. 131.3 LBS/SY) ITEM NO. 415-01.01 COLD PLANING BITUMINOUS PAVEMENT
④	MINERAL AGGREGATE BASE (SHOULDERS) 2" TH. ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D



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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.

GUARDRAIL

- (1) THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.
- (3) IF ANY APPROACH END OF A SECTION OF GUARDRAIL OR BRIDGE RAIL MUST TEMPORARILY BE LEFT INCOMPLETE AND EXPOSED TO TRAFFIC, THE CONTRACTOR SHALL USE TWO (2) TEMPORARY BARRICADES OR DRUMS WITH TYPE “A” LIGHTS AND ROUNDED END ELEMENTS AS MINIMUM MEASURES TO PROTECT TRAFFIC FROM THE HAZARD OF AN EXPOSED END. ALL COST OF FURNISHING AND INSTALLING TEMPORARY BARRICADES OR DRUMS WITH TYPE “A” LIGHTS TO DELINEATE GUARDRAIL END AND A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL END TERMINAL.

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

- (6) 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.
- (9) 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
- (20) 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
- (1) THE CONTRACTOR SHALL BE REQUIRED TO 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.
- 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 | 2025 | STP/HSIP-102(18) | 2B        |
|        |      |                  |           |
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11/20/2024
- STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES
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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 UNIGORM TRAFFIC CONTROL DEVICES

PAVEMENT MARKINGS

- (2)

THE CONTRACTOR IS TO PROVIDE THE LAYOUT OF ALL EXISTING PAVEMENT MARKINGS BEFORE BEGINNING THE RESURFACING PROJECT. EXISTING MARKINGS SHALL BE REFERENCED AS NEEDED TO ENSURE THAT ALL NEW MARKINGS ARE REPLACED IN THEIR CORRESPONDING LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

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 ANY TRAFFIC ONTO EXCAVATED ROADWAY.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1)

ANY WORK REQUIRING LANE CLOSURES INCLUDING PAVEMENT MARKING OPERATIONS SHALL BE DONE 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 ON 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 SPECIFICATION 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 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

- 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2C

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11/20/2024

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SPECIAL  
NOTES



UTILITY OWNERS

TELEPHONE/FIBER:

AT&T

116 SOUTH CANNON AVENUE  
MURFREESBORO, TN 37129  
CONTACT: KENNETH LEE KORNEGAY  
OFFICE PHONE: 615 848 2082  
CELL PHONE: 615 631 7221  
Email: KK4096@ATT.COM

POWER:

MIDDLE TN ELECTRIC

555 NEW SALEM RD.  
MURFREESBORO, TN 37129  
CONTACT: CHRISTOPHER WEAVER  
OFFICE PHONE: 615 494 1068  
CELL PHONE: 615 566 8035  
Email: CHRISWEAVER@MTE.COM

WATER:

CONSOLIDATED UTILITY DIST.

709 NEW SALEM HWY  
MURFREESBORO, TN 37129  
CONTACT: JAMIE SAIN  
OFFICE PHONE: 615 225 3338  
Email: JSAIN@CUDRC.COM

GAS:

HORTON HIGHWAY UTILITY DISTRICT

102 S. MAIN ST. P.O. BOX 85  
CHAPEL HILL, TN 37034  
CONTACT: JUSTIN RUSSELL  
CELL PHONE: 931 244 0154  
Email: UTILITYCO@UNITED.NET

FIBER OPTIC:

LUMEN (FORMERLY CENTURYLINK)

520 WHALEY ST.  
COLUMBIA SC 29201  
CONTACT: JOHN BOEDEKER  
OFFICE PHONE: 512 334 8351  
Email: JOHN.BOEDEKER@LUMEN.COM

FIBER OPTIC:

GOOGLE

1101 MCGAVOCK ST SUITE 200  
NASHVILLE, TN 37203  
CONTACT: RICK BOLTON  
OFFICE PHONE: 629 888 2258  
CELL PHONE: 512 949 7428  
Email: GFIBER-BNA-OSP-ENG@GOOGLE.COM

TELEPHONE/FIBER:

UNITED COMMUNICATIONS

120 TAYLOR ST.  
CHAPEL HILL, TN 37034  
CONTACT: JONATHAN KNIGHT  
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CELL PHONE: 704 242 4172  
Email: JON.KNIGHT@GOUNITED.NET

POWER:

TVA

1101 MARKET STREET MR-4G  
CHATTANOOGA, TN 37402-2801  
CONTACT: STEPHEN WILLIAMS  
OFFICE PHONE: 662 255 6272  
CELL PHONE:  
Email: SEWILLIAMS@TVA.GOV

WATER, SEWER & GAS:

TOWN OF SMYRNA

315 SOUTH LOWRY ST  
SMYRNA, TN 37167  
CONTACT: MIKE STRANGE  
OFFICE PHONE: 615 355 5711  
Email: MICHAEL.STRANGE@TOWNOFSMYRNA.ORG

GAS:

ATMOS ENERGY

810 CRESCENT CENTER DR SUITE 600  
FRANKLIN, TN 37067  
CONTACT: TAYLOR SANDERS  
OFFICE PHONE: 615 927 1596  
Email: TAYLOR.SANDERS@ATMOSENERGY.COM

FIBER OPTIC:

ZAYO BANDWITH

820 FESSLERS PKWY, SUITE 240  
NASHVILLE, TN 37210  
CONTACT: TIMOTHY WRIGHT  
OFFICE PHONE: 585 490 4793  
Email: TIMOTHY.WRIGHT@ZAYO.COM

FIBER OPTIC:

AT&T (FOC)

360 GEES MILL BUSINESS PKWY  
CONYERS, GA 30013  
CONTACT: TRINA IVEY  
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CELL PHONE:  
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FIBER OPTIC:

XO COMMUNICATIONS (VERIZON)

101 MOLLOY ST SUITE 300  
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CELL PHONE: 615 289 8280  
Email: ERIC.HAGA@VERIZON.COM

CABLE:

COMCAST/ XFINITY

660 MAINSTREAM DR  
NASHVILLE, TN 37228  
CONTACT: KATELYN GROSS  
OFFICE PHONE: 615 961 2453  
Email: NAS-NASHVILLECONSTRUCTIONBETTERMENTS@COMCAST.COM


GAS:

COLONIAL PIPELINE

1185 SANCTUARY PKWY, SUITE 100  
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CONTACT: SCOTTY DAVIS  
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Email: SDAVIS@COLPIPE.COM

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2C1

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DEPARTMENT OF TRANSPORTATION

UTILITY OWNERS



# ENVIRONMENTAL NOTES

## ENVIRONMENTAL GENERAL NOTES

### NATURAL RESOURCES

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

### SPECIES

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

### PERMITS, PLANS & RECORDS

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

## ENVIRONMENTAL SPECIAL NOTES

### ENVIRONMENTAL

- (1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL 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 MILL AND OVERLAY, STRIPING, TRAFFIC CONTROL, AND BROOMING AND DEGRASSING SHOULDERS.

## 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

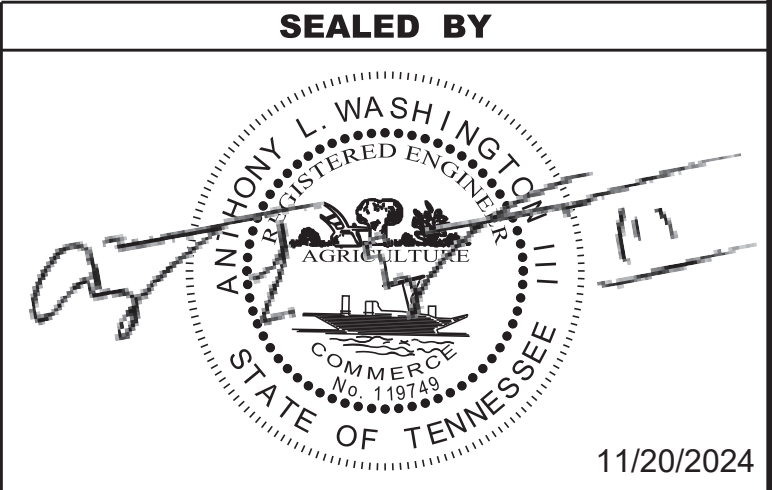
- (29) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2D



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL  
NOTES



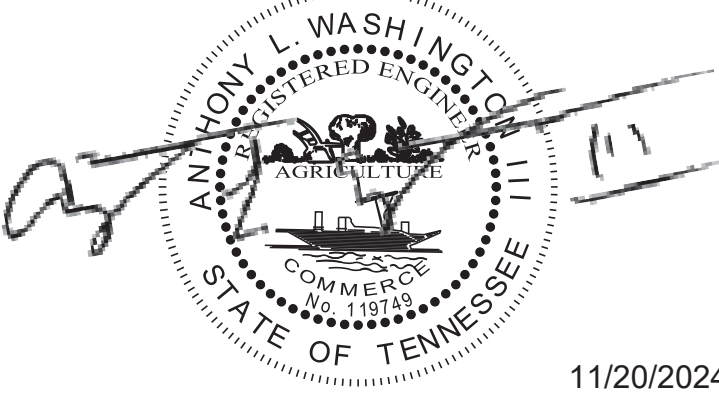
ENVIRONMENTAL NOTES (CONT.)

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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2D1

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11/20/2024

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL  
NOTES



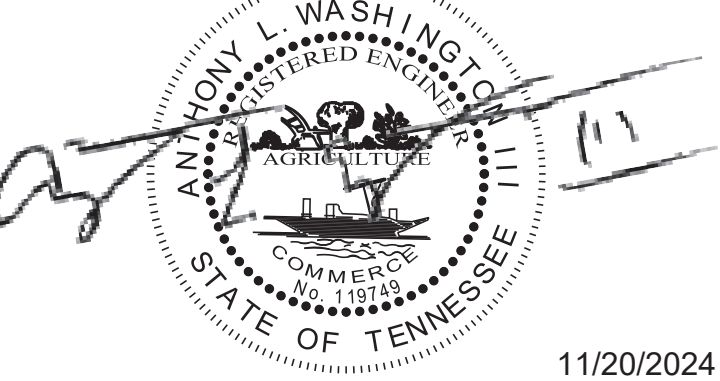
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-102(18)	2E

TRAFFIC CONTROL SIGN TABULATION (RESURFACING)						
M.U.T.C.D. SIGN NO.	LEGEND \ DESCRIPTION	SIZE IN INCHES			TOTAL NUMBER REQUIRED	ITEM NO. 712-06 S.F.
		L	x	W		
G20-1	ROAD WORK NEXT 6 MILES	48"	x	24"	8	2
G20-2	END ROAD WORK	48"	x	24"	8	21
W8-11	UNEVEN LANES	48"	x	48"	16	16
W8-15	GROOVED PAVEMENT	48"	x	48"	16	16
W8-15P	MOTORCYCLE PLAQUE	30"	x	24"	5	16
W20-1	ROAD WORK 1 MILE	48"	x	48"	16	3
W20-1	ROAD WORK 1/2 MILE	48"	x	48"	16	3
W20-1	ROAD WORK 1000 FEET	48"	x	48"	16	3
W20-1	ROAD WORK AHEAD	48"	x	48"	16	18
W20-4	ONE LANE ROAD 1000 FT - PORTABLE	48"	x	48"	16	2
W20-7A	FLAGGER SYMBOL - PORTABLE	48"	x	48"	16	2
W21-2	FRESH OIL - PORTABLE	48"	x	48"	16	2
TOTAL						1304

PROPOSED GUARDRAIL (RESURFACING)					
SIDE		LOCATION	GUARDRAIL		TERMINAL ANCHORS
			EARTHPAD FOR TYPE 38 GR. END TREATMENT 705-04.09 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)	TYPE 38 MASH TL3 (26.896') 705-06.20 (EACH)
LT	RT	LOG MILE			
	X	4.5	2.000	100	2
TOTALS			2.000	100	2

BRIDGE DECK RECOMMENDATIONS (RESURFACING)				
BRIDGE NUMBER	LOCATION LOG MILE	CROSSES OVER/UNDER	BRIDGE LENGTH	BRIDGE DECK RECOMMENDATIONS
75SR8400005	0.68	I-840	246'	SEAL WITH TYPE1 THIN EPOXY OVERLAY (BRIDGE SHEETS INCLUDED)
75S62160001	1.07	STEWARTS CREEK	43'	PAVE WITH PLANS MIX/TREATMENT TYPE
75S62160003	1.890	BRANCH	30'	PAVE WITH PLANS MIX/TREATMENT TYPE
75S62160005	2.380	BRANCH	31'	PAVE WITH PLANS MIX/TREATMENT TYPE
75S62160007	5.31	ROCKY FORK CREEK	50'	PAVE WITH PLANS MIX/TREATMENT TYPE

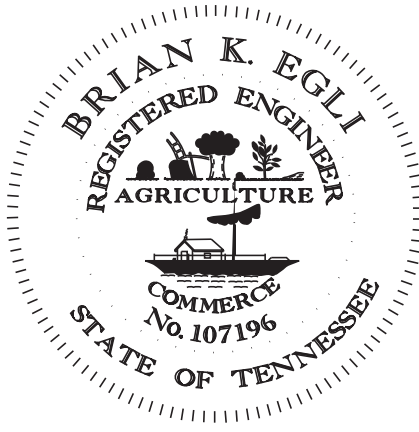
SEALED BY



11/20/2024

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TABULATED  
QUANTITIES



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Brian Egli  
2024.11.14 07:15:20 -06'00'

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 NO.**

SIGNATURE SHEET \_\_\_\_\_ STRUCTURE-SIGN 1  
BRIDGE PLANS \_\_\_\_\_ B1 THRU B4

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



PROJECT NO.		YEAR	SHEET NO.
75S102-M3-003		2025	B-1
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
	- -		
	- -		
	- -		
	- -		
	- -		

INDEX OF DRAWINGS

DWG. NO.

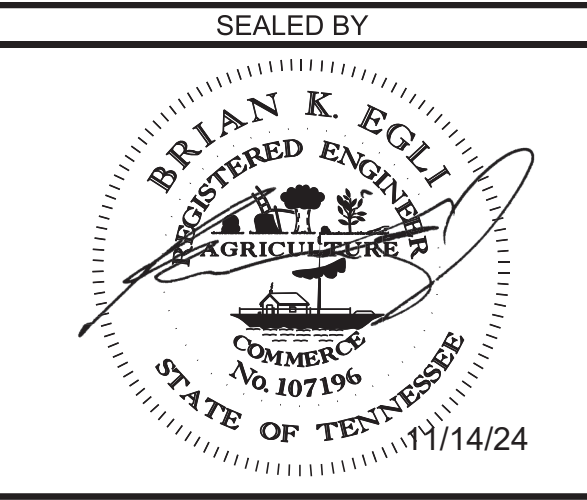
LAST  
REV. DATE

SIGNATURE SHEET	STRUCTURE-SIGN 1
INDEX OF DRAWINGS	B1
BRIDGE TABULATION, ESTIMATED QUANTITIES AND PLANS VIEW REPAIRS LOCATIONS	B2
PHASE CONSTRUCTION	B3
TYPE 1 THIN EPOXY OVERLAY NOTES	B4

INDEX OF REFERENCE DRAWINGS

DWG. NO.

LAYOUT OF THE BRIDGE	M-321-71
SUPERSTRUCTURE	M-321-74



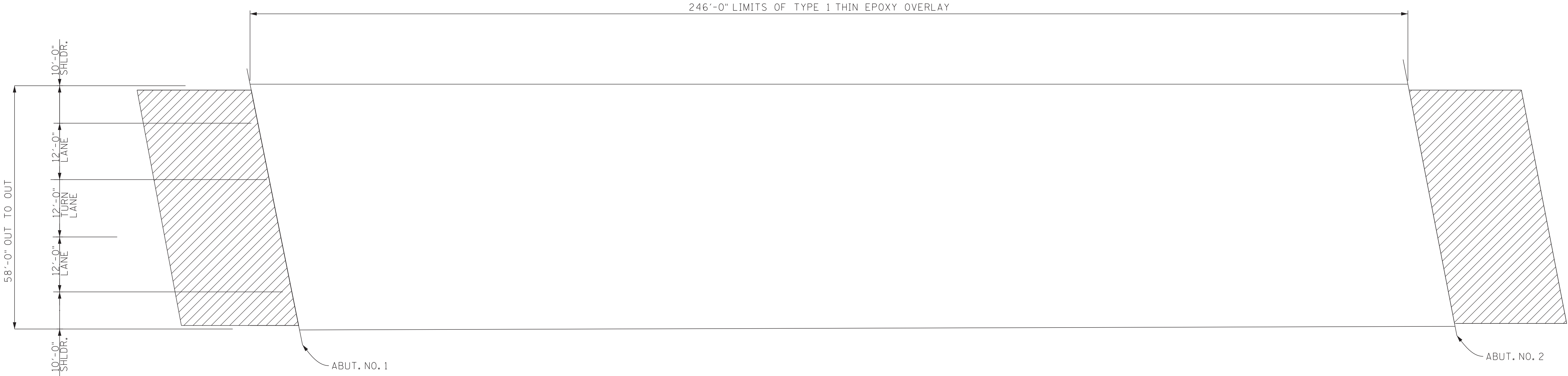
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
INDEX OF DRAWINGS  
75-SR102-0.68 OVER  
INTERSTATE 840  
RUTHERFORD COUNTY  
2025



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.
75-SR102-0.68 OVER INTERSTATE 840 (75SR8400005)	M-321-71 M-321-74	TYPE 1 THIN EPOXY OVERLAY	1490
TOTAL			1490

PROJECT NO.		YEAR	SHEET NO.
75S102-M3-003		2025	B-2
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
- -			
- -			
- -			
- -			
- -			



PLAN VIEW

75-SR102-0.68

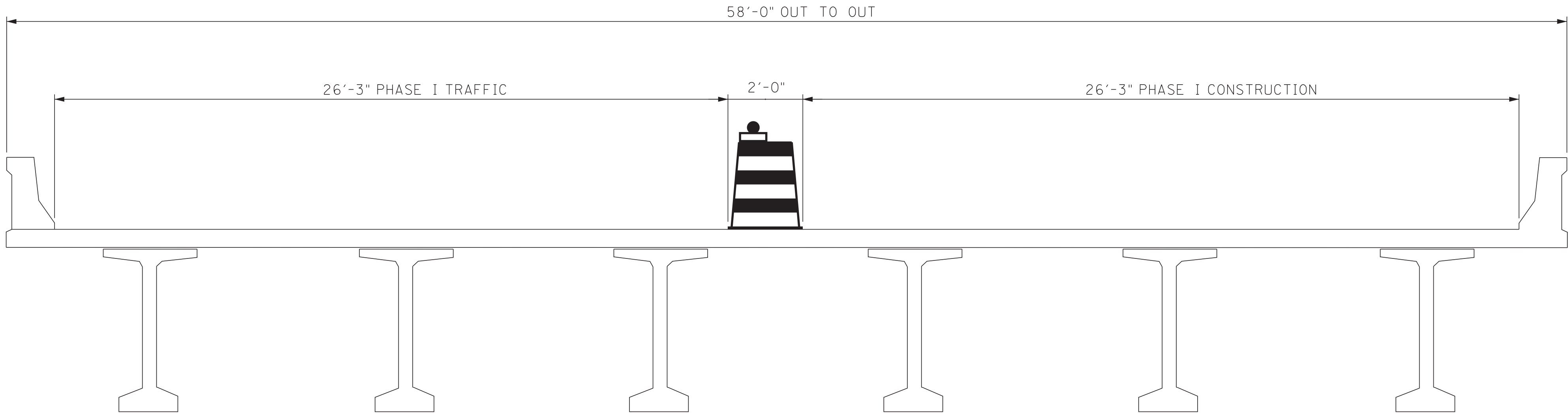
 DENOTES: AREAS THAT HAVE EXISTING ASPHALT OVER APPROACH PAVEMENT SHALL BE PAVED, SEE PAVING SCHEDULE.

PIN NO.:	133000.00	DATE:	/ /
DESIGN BY:		DATE:	09/24
DRAWN BY:	SILESHEI ERGICHO	DATE:	09/24
SUPERVISED BY:	KEVIN MARTINKO	DATE:	/ /
CHECKED BY:		DATE:	/ /

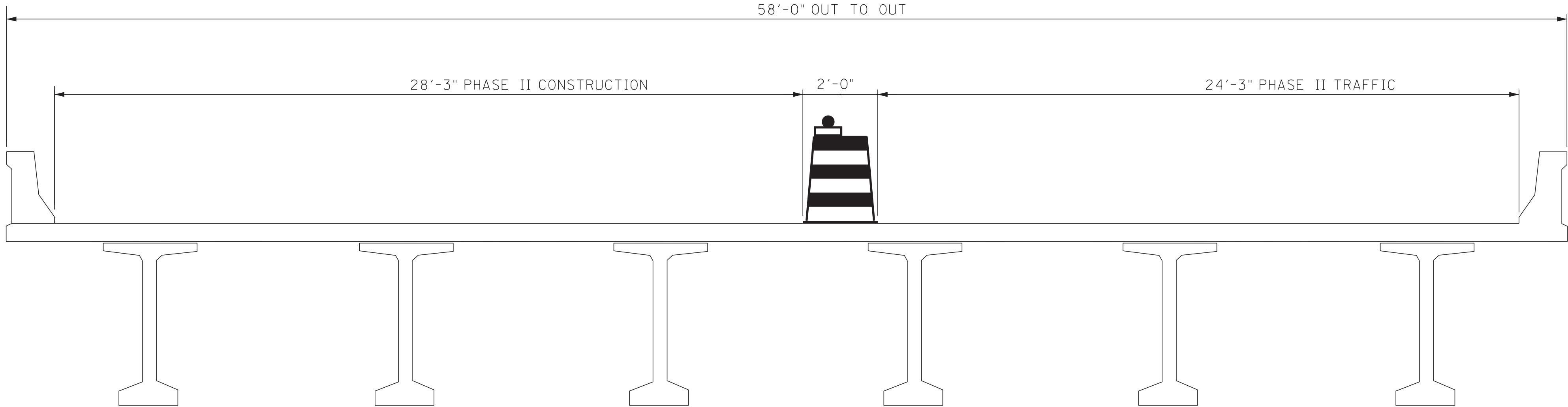
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BRIDGE TABULATION,  
ESTIMATED QUANTITIES  
AND PLAN VIEW  
REPAIRS LOCATION  
75-SR102-0.68 OVER  
INTERSTATE 840  
RUTHERFORD COUNTY  
2025



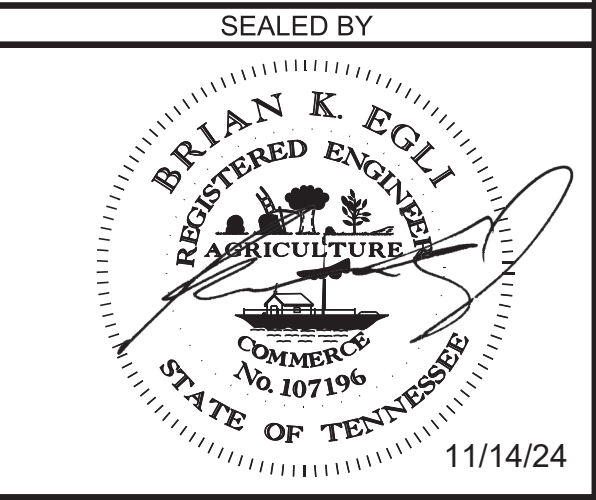
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75S102-M3-003		2025		B-3	
REVISIONS					
NO.	DATE	BY	BRIEF DESCRIPTION		
	- -				
	- -				
	- -				
	- -				
	- -				



PHASE I CONSTRUCTION  
(LOOKING AHEAD ON THE SURVEY)



PHASE II CONSTRUCTION  
(LOOKING AHEAD ON THE SURVEY)



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
PHASE CONSTRUCTION  
75-SR102-0.68 OVER  
INTERSTATE 840  
RUTHERFORD COUNTY  
2025

PIN NO.: 133000.00  
DESIGN BY: SILESHI ERGICHO  
DRAWN BY: KEVIN MARTINKO  
SUPERVISED BY:  
CHECKED BY:

DATE: / /  
DATE: 09/24  
DATE: 09/24  
DATE: / /







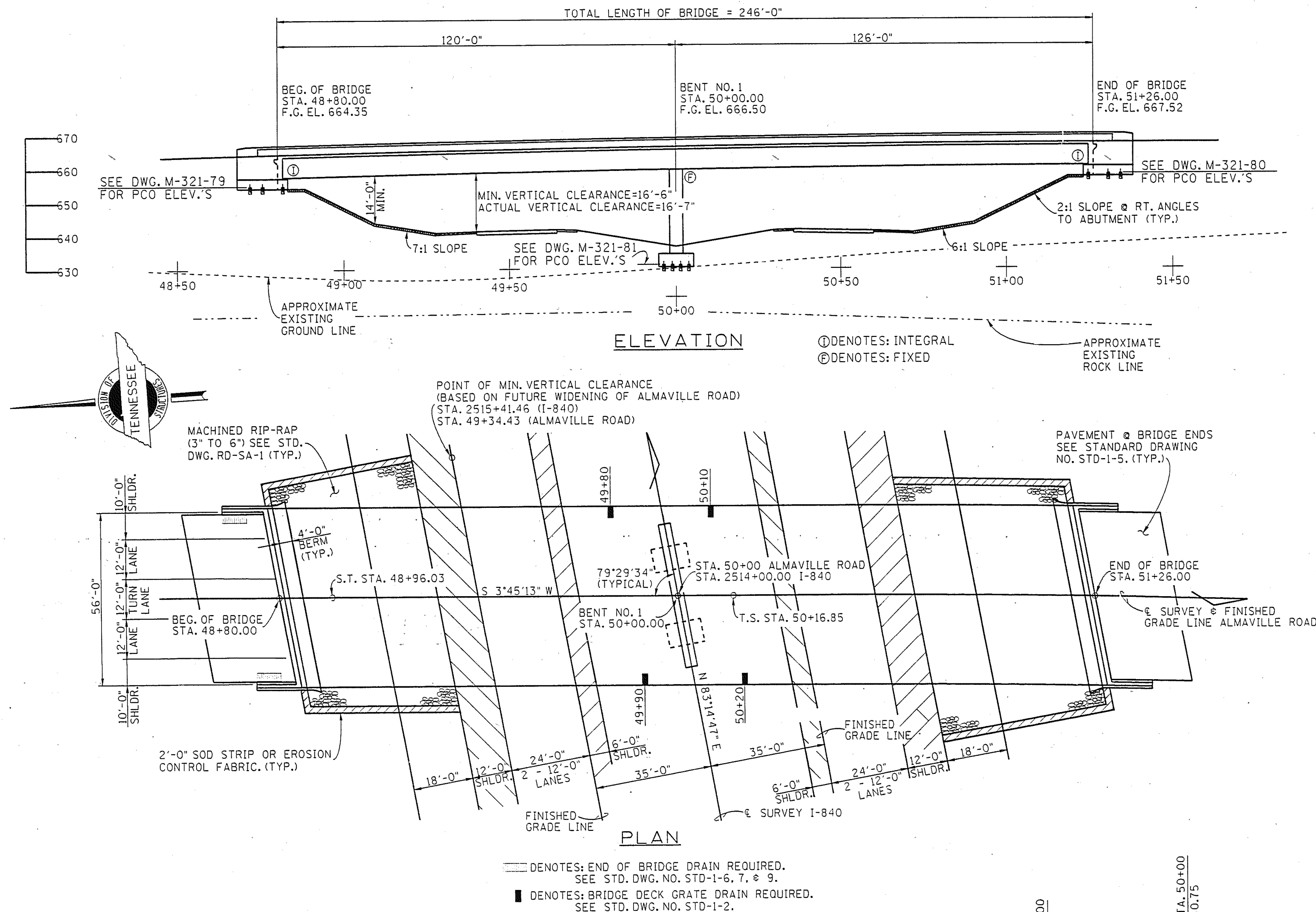
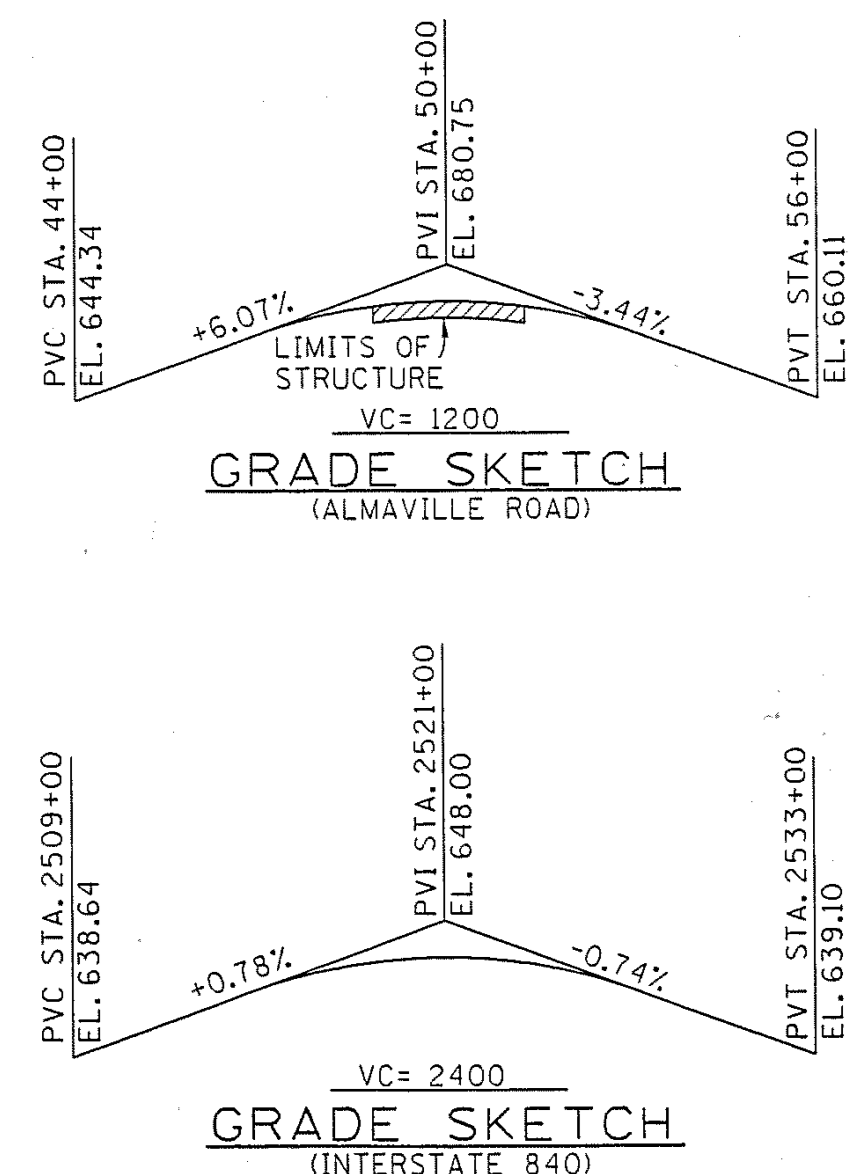
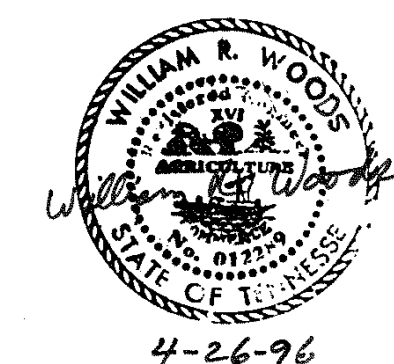
<u>LIST OF DRAWINGS</u>	<u>DWG. NO.</u>	<u>REV. DATE</u>
LAYOUT	M-321-71	LAST
GENERAL NOTES & ESTIMATED QUANTITIES	M-321-72	
FOUNDATION DATA	M-321-73	
SUPERSTRUCTURE	M-321-74	
SUPERSTRUCTURE DETAILS	M-321-75	
SUPERSTRUCTURE DETAILS	M-321-76	
PRESTRESSED BEAM DETAILS	M-321-77	
PRESTRESSED BEAM DETAILS	M-321-78	
ABUTMENT NO. 1	M-321-79	
ABUTMENT NO. 2	M-321-80	
BENT NO. 1	M-321-81	
FINAL FOUNDATION DATA	M-321-82	
BILL OF STEEL	M-321-83	

LIST OF SPECIAL PROVISIONS      PROV. NO.      LAST  
REV. DATE  
APPROVAL OF SHOP DRAWINGS ..... 105A ..... 3-06-95

I-840 2015 ADT= 22,400  
56'-0" ROADWAY W/STD-1-1 PARAPET  
DESIGN SPEED= 50 MPH

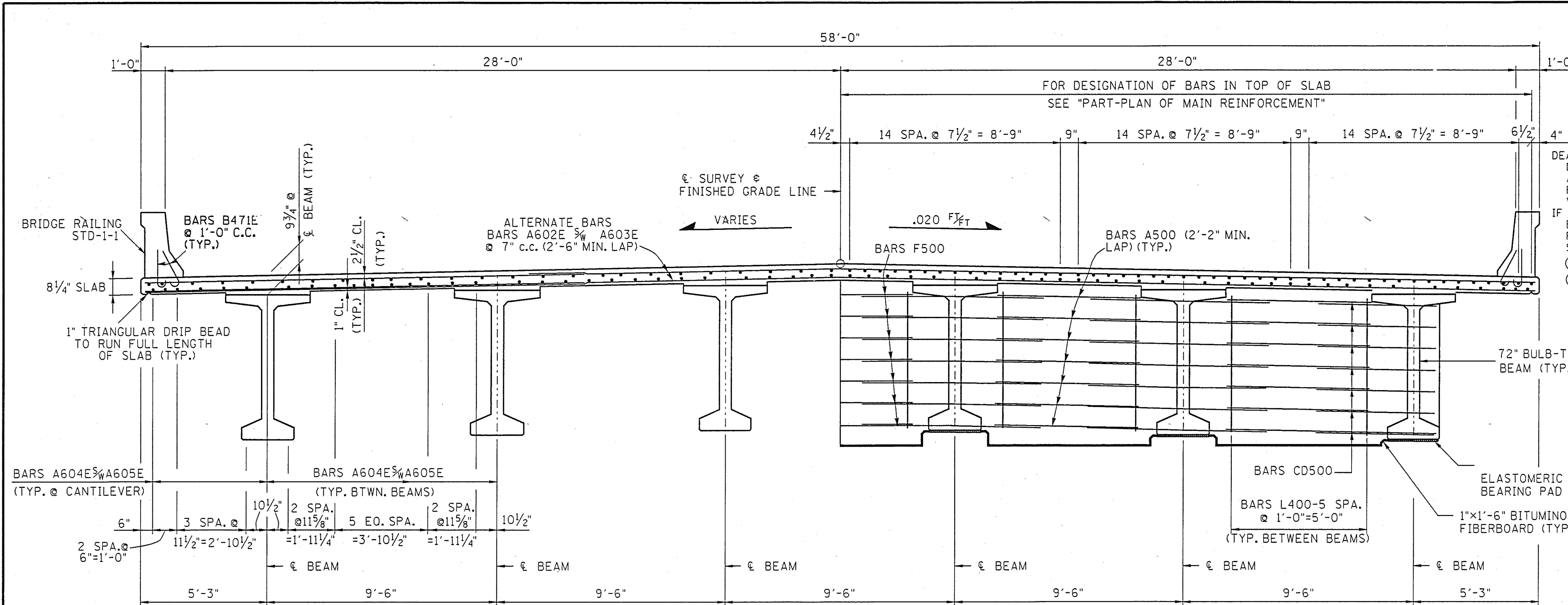
CORRECT Edward P. Wasserman  
ENGINEER OF STRUCTURES

M-321-71



CURVE DATA		CURVE DATA	
(TALMAVILLE ROAD)		(TALMAVILLE ROAD)	
P.I. = 44+45.00		P.I. = 56+43.54	
N = 535039.83		N = 533832.90	
E = 1828433.72		E = 1828354.53	
Δs = 25°39'05.08" RT.		Δs = 54°38'50.02" RT.	
θs = 10°00'00.00" RT.		θs = 14°00'00.00"	
Δc = 5°39'05.08" RT.		Δc = 26°38'50.02"	
D = 5'00'00"		D = 7'00'00"	
R = 1145.92'		R = 818.51'	
Lc = 113.03'		Lc = 380.67'	
Ts = 462.01'		Ts = 626.69'	
Ls = 400.00'		Ls = 400.00'	
LT = 267.09'		LT = 267.51'	
ST = 133.72'		ST = 134.10'	
Es = 35.28'		Es = 111.94'	
Xc = 398.78'		Xc = 397.62'	
Yc = 23.22'		Yc = 32.44'	
K = 199.80'		K = 199.60'	
P = 5.81'		P = 8.13'	
SE = 0.071%		SE = 0.08%	

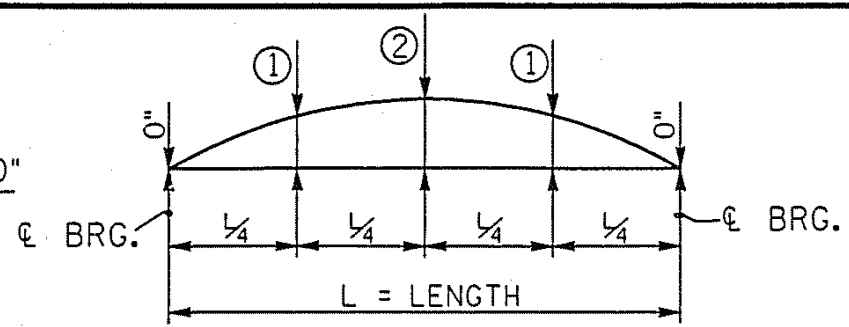
DESIGNED BY <u>J. SUMMERS</u>	DATE <u>7-95</u>
DRAWN BY <u>K.L.F.S K.P.</u>	DATE <u>7-95</u>
SUPERVISED BY <u>PATE &amp; FIELDS</u>	DATE <u>7-95</u>
CHECKED BY <u>J. SUMMERS</u>	DATE <u>8-95</u>



HALF-SECTION NEAR MIDSPAN

TYPICAL CROSS SECTION  
(LOOKING AHEAD ON SURVEY)

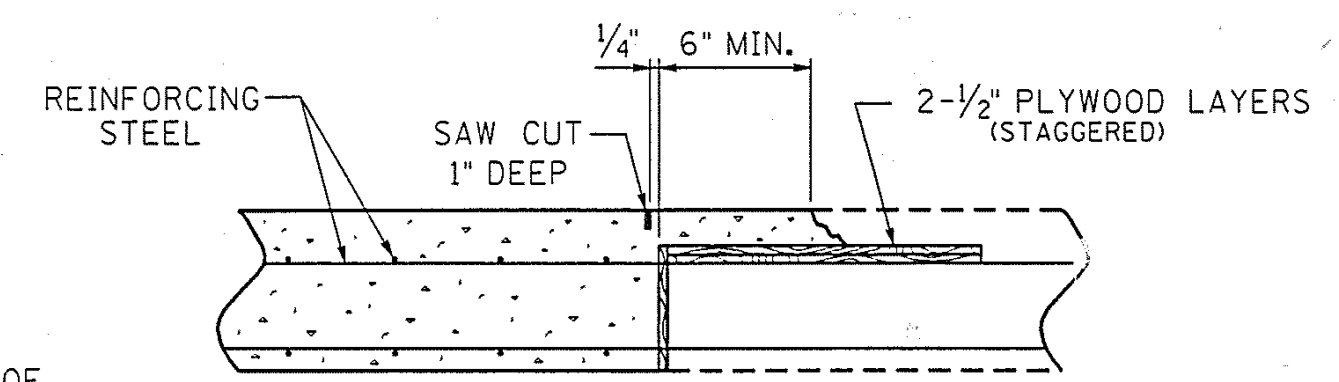
HALF-SECTION NEAR BENT



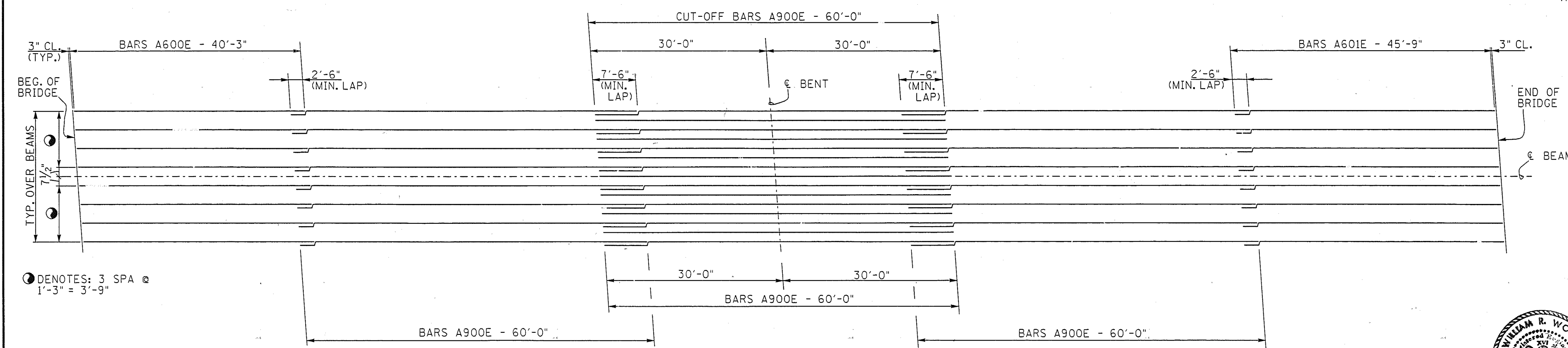
**DEAD LOAD CORRECTION CURVE**  
 DEAD LOAD CORRECTION CURVE: THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS PLACED AND SHOULD BE CORRECTED TO COMPENSATE FOR THE EFFECTS DUE TO VERTICAL CURVE.  
 IF PRESTRESSED DECK PANELS ARE USED AND THE BEAMS ARE PROFILED AFTER PANELS ARE IN PLACE, REDUCE THE DEAD LOAD CORRECTION VALUES SHOWN BY 25%.  
 ① 1 1/4" SPAN 1; 1 1/2" SPAN 2  
 ② 1 3/4" SPAN 1; 2 1/4" SPAN 2

NOTE: NO PORTION OF THE PARAPET SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.  
 NOTE: OUTSIDE EDGE OF SLAB AND BRIDGE RAIL TO CONFORM TO HORIZONTAL CURVE.  
 SPECIAL NOTE FOR ANCHOR BOLTS AT BENTS: ANCHOR BOLT ASSEMBLIES AT BENTS SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-6-1.  
 NOTE: WHEN POURING SLAB, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR PARAPET. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. WHEN POURING PARAPET, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS FOR PARAPET RAILS. ALSO SEE DRAWING NO. STD-1-1.  
 NOTE: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. IT IS STRONGLY RECOMMENDED THAT THE TEMPORARY ERECTION DIAPHRAGMS BE INSTALLED AND THE PERMANENT INTERMEDIATE DIAPHRAGMS BE POURED AND CURED PRIOR TO PLACING ANY LOADS ON THE GIRDERS. HOWEVER, TEMPORARY ERECTION DIAPHRAGMS AND PERMANENT INTERMEDIATE DIAPHRAGMS MUST BE IN PLACE IN THE SPAN AT THE TIME THE SLAB IS POURED IN SAID SPAN.  
 NOTE: SUPPORT DIAPHRAGMS AT BENTS SHALL BE POURED CONCURRENTLY WITH THE DECK SLAB AND INCLUDED IN THE QUANTITY FOR ITEM 604-03.09.

NOTE: SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTOR'S OPTION SUBJECT TO THE FOLLOWING: 1) NO CONSTRUCTION JOINT MAY BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT. 2) THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED TO WITHIN AT LEAST 15 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT. ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION JOINT DETAIL SHOWN BELOW.

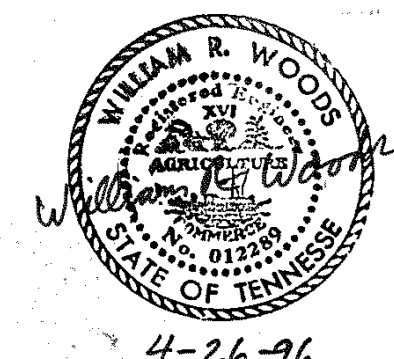


SLAB CONSTRUCTION JOINT DETAIL



PART PLAN OF MAIN REINFORCEMENT

ESTIMATED QUANTITIES		
CONCRETE CLASS "D" (BRIDGE DECK) C.Y.	EPOXY COATED REINFORCING STEEL LBS.	REINFORCING STEEL LBS.
404	147,627	1,397



STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION  
 BUREAU OF HIGHWAYS  
 BRIDGE NO. 4  
 SUPERSTRUCTURE  
 ALMAVILLE ROAD  
 OVER  
 INTERSTATE 840  
 STATION 50+03.00  
 WILLIAMSON-RUTHERFORD COUNTIES  
 1996

CORRECT *Edward P. Wasserman*  
 ENGINEER OF STRUCTURES

DESIGNED BY J. SUMMERS DATE 7-95  
 DRAWN BY B. LUTTRILL DATE 8-95  
 SUPERVISED BY J. FIELDS & H. PATE DATE 8-95  
 CHECKED BY J. SUMMERS DATE 8-95