

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HICKMAN COUNTY

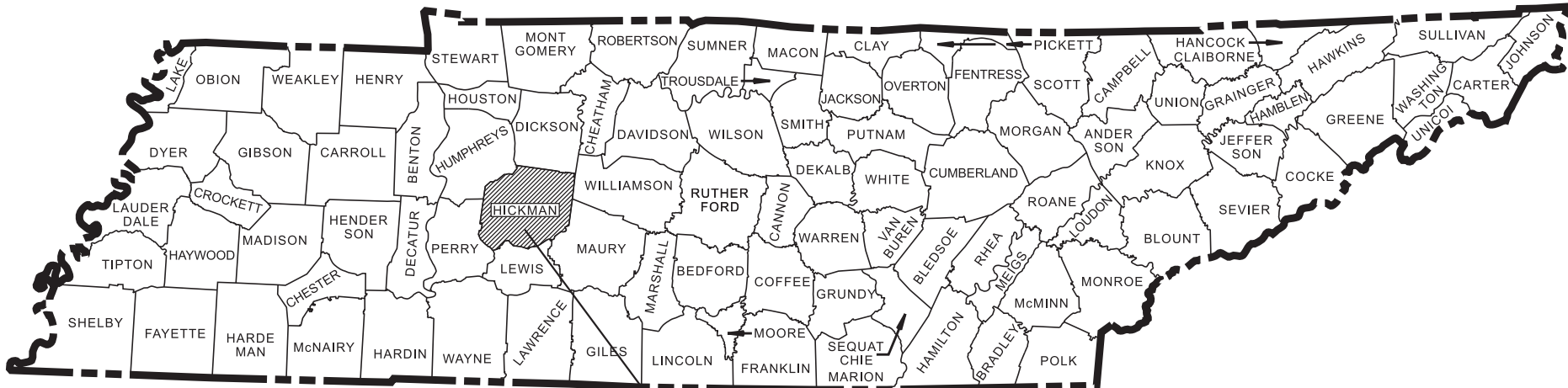
INTERSTATE 40
FROM: HUMPHREYS COUNTY LINE (L.M. 0.00)
TO: DICKSON COUNTY LINE (L.M. 2.65)

RESURFACE
MILL, CM, OGFC, PAVEMENT MARKING AND GUARDRAIL

STATE HIGHWAY NO. N/A F.A.H.S. NO. I-40

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

TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.	NH-I-40-3(186)	
STATE PROJ. NO.	41I040-F8-012	



PROJECT LOCATION
BRIDGE ID. # 41I00400027 41I00400028 41I00400029 41I00400030

NO EXCLUSIONS



NH-I-40-3(186)
BEGIN PROJECT NO. 41I040-F8-012 RESURFACE
L.M. 0.00

BRIDGE DECK REPAIR PROJECT NO. 41I040-M3-013
I-40 @ L.M. 1.53 & L.M. 1.63

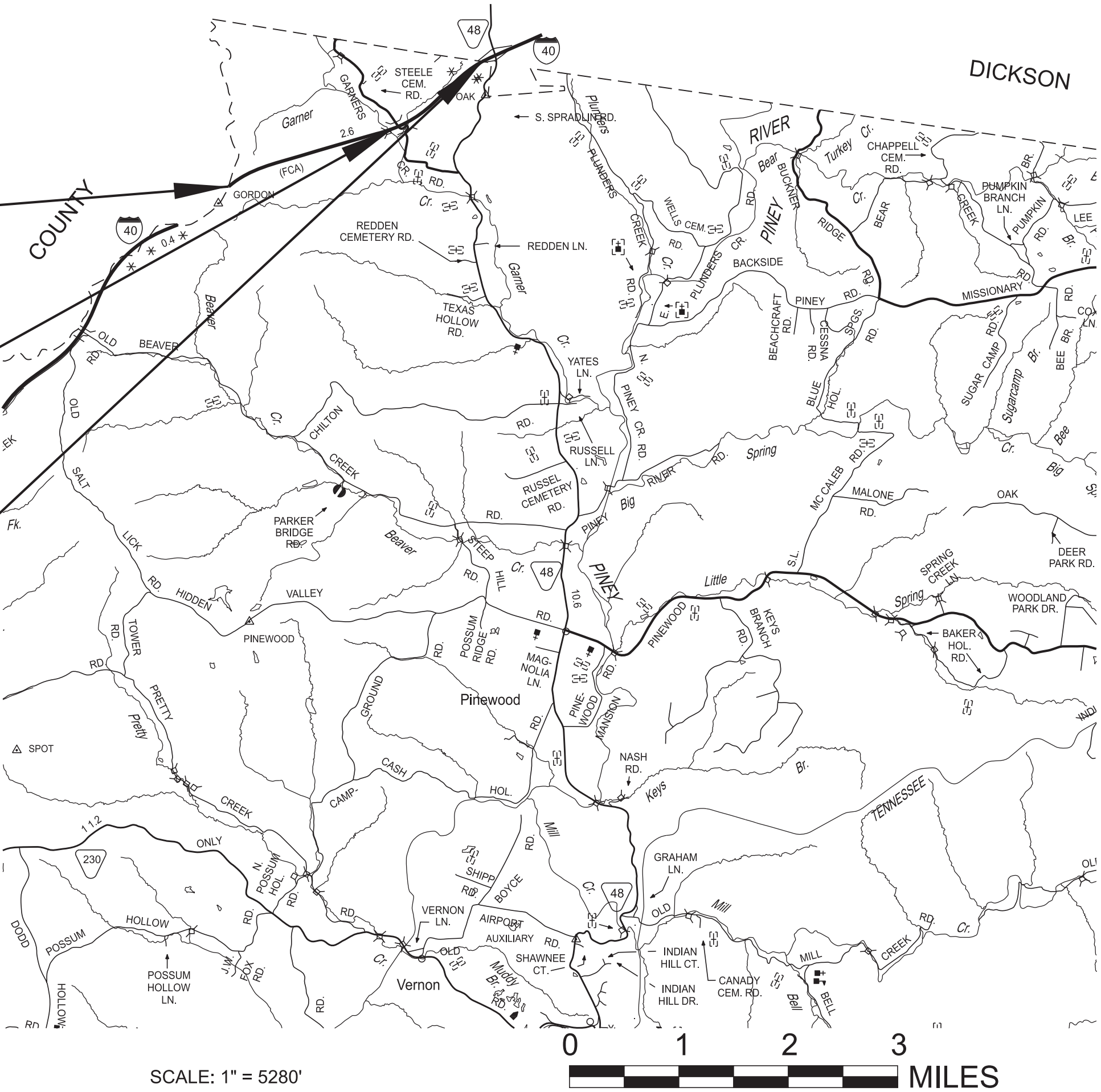
NH-I-40-3(186)
END PROJECT NO. 41I040-F8-012 RESURFACE
L.M. 2.65

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.

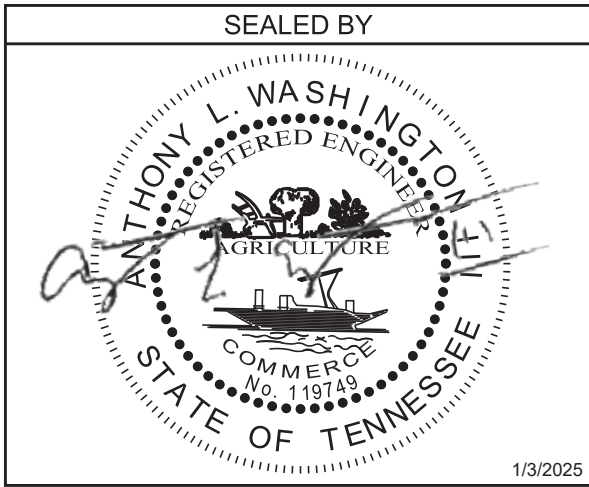
TDOT PROJECT MANAGER: KONNER SPRADLIN, P.E.
DESIGNED BY : HDR ENGINEERING, INC.
DESIGNER : ANTHONY L. WASHINGTON, III, P.E. CHECKED BY DAVID HORNE, P.E.
P.E. NO. 98034-4194-04
PIN NO. 135014.00



PROJECT LENGTH 2.65 MILES
TOTAL LANE MILES RESURFACED 11.92 MILES

TRAFFIC COUNTER, EMBEDDED DETECTION LOOPS & AUTOMATIC TRAFFIC READERS	
STATION LOCATION	LOG MILE
EDL #60 EB	1.300
EDL #60 WB	1.385
TC STATION 60	1.993

TRAFFIC DATA	
ADT (2025)	40,810
POSTED SPEED LIMITS	
L.M. 0.00 - L.M. 2.65	@ 70 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
GENERAL NOTES	2B
SPECIAL NOTES	2C
UTILITY NOTES AND UTILITY OWNERS	2C1
ENVIRONMENTAL NOTES	2D, 2D1
TABULATED QUANTITIES	2E
PAVEMENT MARKING IMPROVEMENTS	3
BRIDGE PLANS	B1 THRU B8
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

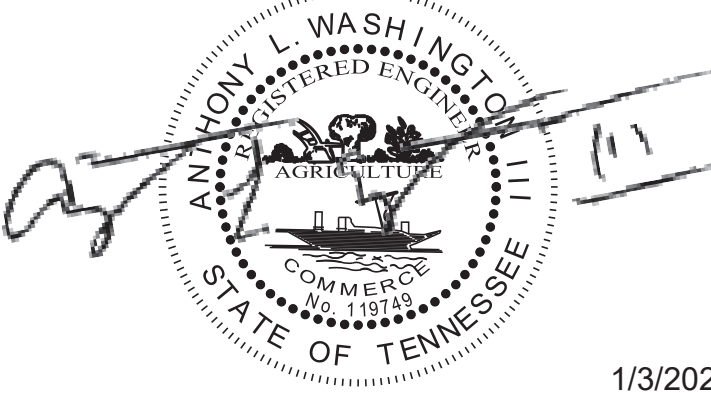
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GR31-1D	03-01-23	GUARDRAIL POST PLACEMENT IN ROCK
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINALS (RETROFIT)

DESIGN - TRAFFIC CONTROL

T-M-5	03-01-23	MARKING DETAIL FOR FREEWAYS
T-M-6	03-01-23	MARKING DETAIL FOR EXPRESSWAY AND FREEWAY INTERCHANGES
T-M-7	06-28-19	GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-9	05-01-23	PAVEMENT MARKING AND SIGNING DETAILS FOR RAMP INTERSECTIONS
T-M-9B		PAVEMENT MARKING AND SIGNING DETAILS FOR RAMP INTERSECTIONS
T-M-15	06-28-19	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-04-21	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-12	03-04-21	ONE LANE CLOSURE DETAIL FOR BRIDGES ON DIVIDED HIGHWAYS
T-WZ-14	03-04-21	TWO-OUTSIDE LANE CLOSURE FOR INTERSTATES AND EXPRESSWAYS
T-WZ-60		FREEWAY RESURFACING SIGNING LAYOUT
T-WZ-63	01-09-24	WORK ZONE IN THE VICINITY OF AN ENTRANCE RAMP
T-WZ-64		WORK ZONE IN THE VICINITY OF AN EXIT
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	NH-L40-3(186)	1A

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1/3/2025

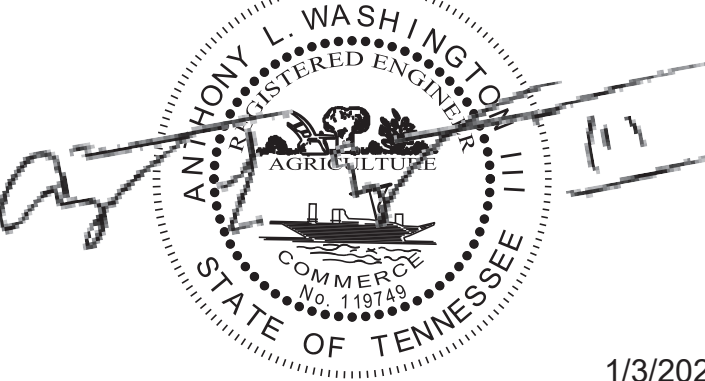
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	NH-L40-3(186)	1B

PROJECT COMMITMENTS			
COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENTAL DIVISION HAZARDOUS MATERIALS	AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS COMPLETED ON BRIDGE NO. 41I00400029 I-40 EB OVER GARNER CR RD LM 1.63 (41-I0040-1.63R). NO ASBESTOS WAS DETECTED. PLEASE SEE THE REPORT 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).	BRIDGE NO. 41I00400029 I-40 EB OVER GARNER CR RD LM 1.63 (41-I0040-1.63R)

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1/3/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION


PROJECT
COMMITMENTS

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 411040-F8-012
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	10.6
(2)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1403
(3)	307-03.08 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING B-M2	TON	545
(4)	307-03.12 ASPHALT CONCRETE MIX (PG76-22) GRADING CM	TON	11074
(5)	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	60
(6)	411-03.23 ACS MX (PG76-22) OGFC	TON	7205
	411-12.01 SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	10.6
(7)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	10571
(8)	705-02.10 GUARDRAIL TRANSITION 27IN TO 31IN	EACH	7
(8)	705-04.09 EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH	5
(8)	705-06.20 TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	7
(8)	706-01 GUARDRAIL REMOVED	L.F.	350
(9)	712-01 TRAFFIC CONTROL	LS	1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	400
	712-05.03 WARNING LIGHTS (TYPE C)	EACH	100
(10)	712-06 SIGNS (CONSTRUCTION)	S.F.	1235
(11)	712-06.16 SIGNS (CONSTRUCTION)(REDUCED SPEED WARNING)	EACH	4
	712-07.03 TEMPORARY BARRICADES (TYPE III)	L.F.	24
	712-08.03 ARROW BOARD (TYPE C)	EACH	2
	712-08.08 SPEED FEEDBACK SIGN ASSEMBLY	EACH	2
	712-08.09 DIGITAL SPEED LIMIT SIGN ASSEMBLY	EACH	4
	712-08.12 QUEUE PROTECTION TRUCK	DAY	120
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	2
	716-01.23 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2-COLOR)	EACH	437
	716-01.30 REMOVAL OF SNOWPLOWABLE PAVEMENT MARKER	EACH	437
(12)(13)	716-02.04 PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	8
(12)(13)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	34
(12)(13)	716-02.07 PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	151
(12)(13)	716-04.06 PLASTIC PAVEMENT MARKING (WRONG WAY ARROW)	EACH	1
(14)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	14.6
	716-08.20 REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	0.4
(13)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	12.3
(13)	716-12.05 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	284
(13)	716-12.06 ENHANCED FLAT LINE THERMO (8IN LINE)	L.F.	871
(13)(15)	716-15.10 PREFORMED PERMANENT TAPE (6IN LINE)	L.F.	1850
	717-01 MOBILIZATION	LS	1
	ALTERNATE AA1		
(16)	403-02.02 HOT APPLIED TACK COAT	TON	81
	ALTERNATE AA2		
(17)	403-02.01 TRACKLESS TACK COAT	TON	108

FOOTNOTES	
(1)	TO BE USED AS DIRECTED BY THE ENGINEER. NO DIRT OR DEBRIS TO BE LEFT ON SHOULDER. THIS WORK TO BE PERFORMED BEFORE ALL OTHER OPERATIONS.
(2)	TO BE USED AS DIRECTED BY THE ENGINEER.
(3)	TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT REPAIR. INCLUDES 500 TONS FOR SPOT LEVELING
(4)	INCLUDES 302 TONS FOR RAMPS.
(5)	INCLUDES 2 TONS FOR RAMPS.
(6)	INCLUDES 201 TONS FOR RAMPS. INCLUDES 165 TONS TO BE USED FOR PLANT START UP AND HEATING UP EQUIPMENT AT BEGINNING OF EACH SHIFT, 15 TONS WASTE MATERIAL PER DAY.
(7)	INCLUDES 288 TONS FOR RAMPS.
(8)	SEE PROPOSED GUARDRAIL (RESURFACING) SHEET 2E.
(9)	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.
(10)	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 APPORVED BY THE ENGINEER. TEMPORARY SIGN COVERINGS SHALL NO BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-06 SIGNS (CONSTRUCTION)
(11)	ITEM TO BE USED ONLY WHEN A REDUCED SPEED LIMIT IS ESTABLISHED WITHIN THE PROJECT CONSTRUCTION WORK ZONE LIMITS. ITEM INCLUDES SIGN FACE, SUPPORTS, AND TWO TYPE "B" FLASHERS PER THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TURNING ON THE TYPE "B" FLASHERS WHEN WORKERS ARE IN THE CONSTRUCTION WORK ZONE AND TURNING THEM OFF WHEN WORKERS ARE NO LONGER IN THE CONSTRUCTION WORK ZONE.
(12)	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.
(13)	ITEM TO BE USED AS PERMANENT MARKING ONLY.
(14)	ITEM TO BE USED AS TEMPORARY PAVEMENT MARKING ONLY.
(15)	TO BE USED FOR EDGE LINES ON RAMPS.
(16)	TO BE USED FOR TACK COAT UNDERNEATH OGFC. HOT APPLIED TRACKLESS TACK MAY BE EITHER HOT APPLIED ASPHALT BINDER OR AN APPROVED HOT APPLIED TRACKLESS TACK COAT FROM QPL 40, SECTION F. IF USING ASPHALT BINDER THE MINIMUM GRADE SHALL BE PG64-22 BUT A HIGHER GRADE MAY BE USED AT THE CONTRACTOR'S DISCRETION.
(17)	USE AN APPROVED TRACKLESS TACK FROM QPL 40-F APPLIED WITH A DISTRIBUTOR AT A MINIMUM RATE OF 0.20 GAL./S.Y. (APPROXIMATE RESIDUAL RATE 0.10 GAL./S.Y.). PAVING OF THE OGFC SHALL NOT BEGIN UNTIL THE DEPARTMENT IS SATISFIED THE APPLICATION RATE IS ACHIEVED AND THE EMULSION HAS FULLY BROKEN. MULTIPLE PASSES MAY BE REQUIRED. OR, EMULSION TYPE CQS1HP MAY BE APPLIED WITH A SPRAY PAVER AT AN APPLICATION RATE BETWEEN 0.18 TO 0.23 GAL./S.Y. THE SPRAYER PAVER SHALL BE A SINGLE PIECE OF EQUIPMENT THAT APPLIES THE TACK COAT AND SPREADS THE BITUMINOUS PAVEMENT. AT A MINIMUM THE SPRAY PAVER SHALL MEET THE PAVER REQUIREMENTS OF 407.06 AND THE DISTRIBUTOR REQUIREMENTS IN 402.03.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	NH-L40-3(186)	2

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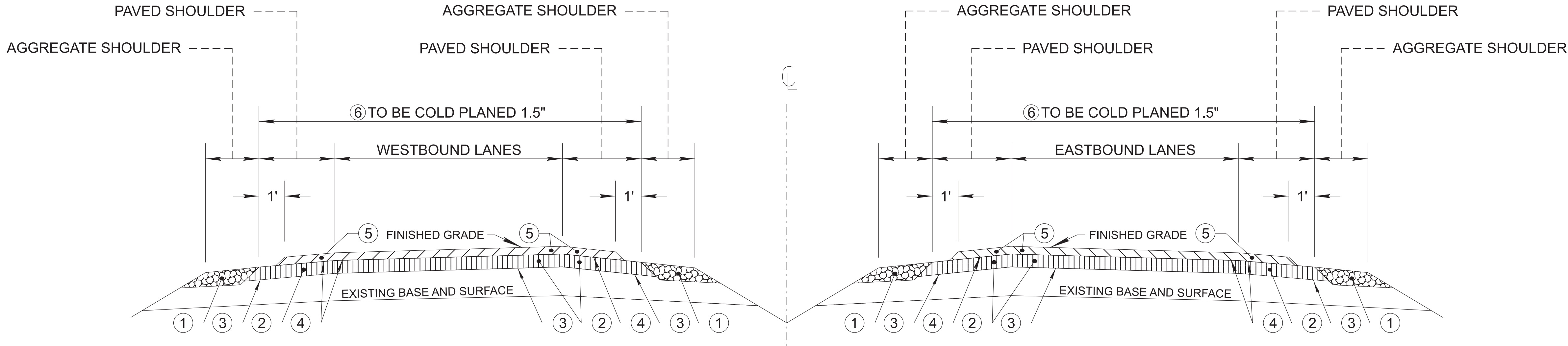
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

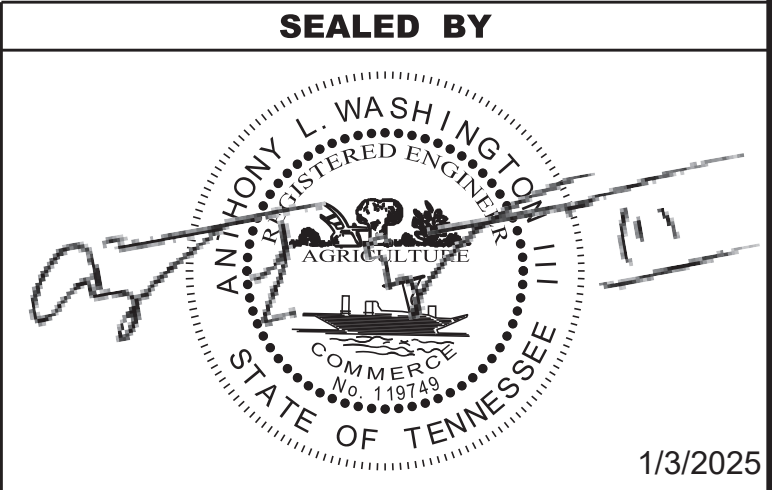
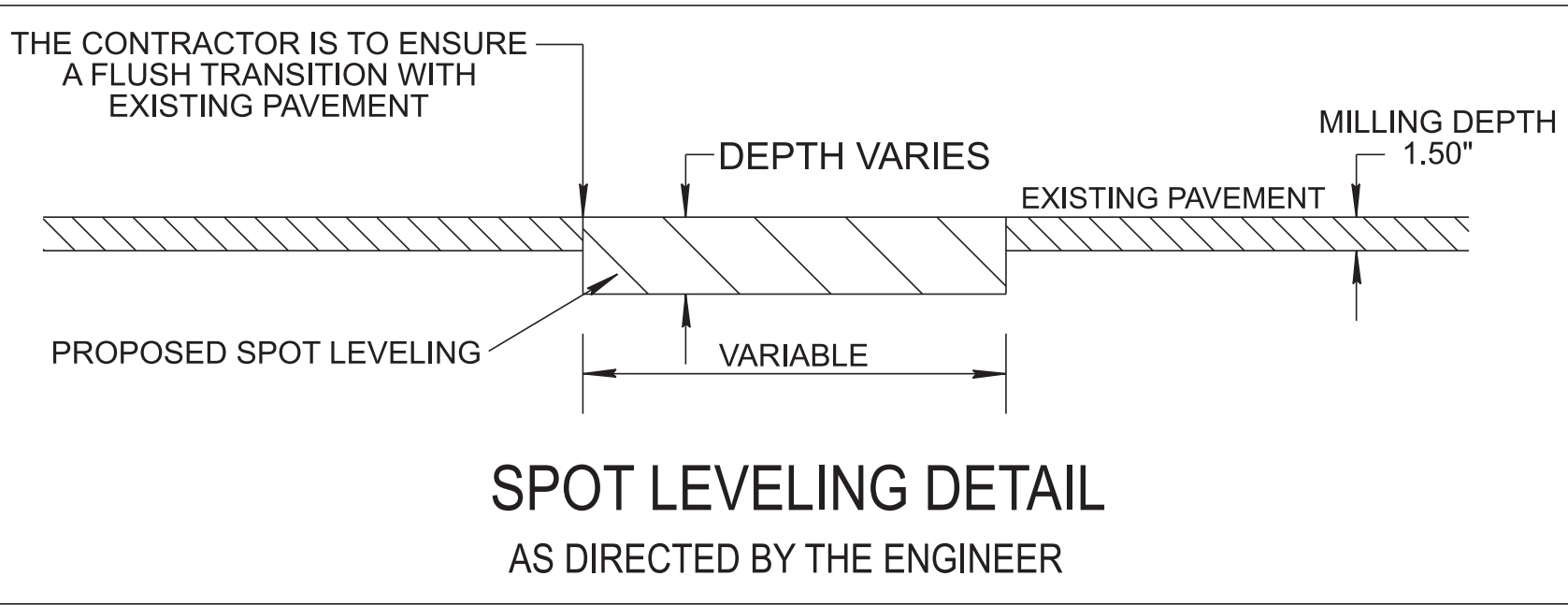
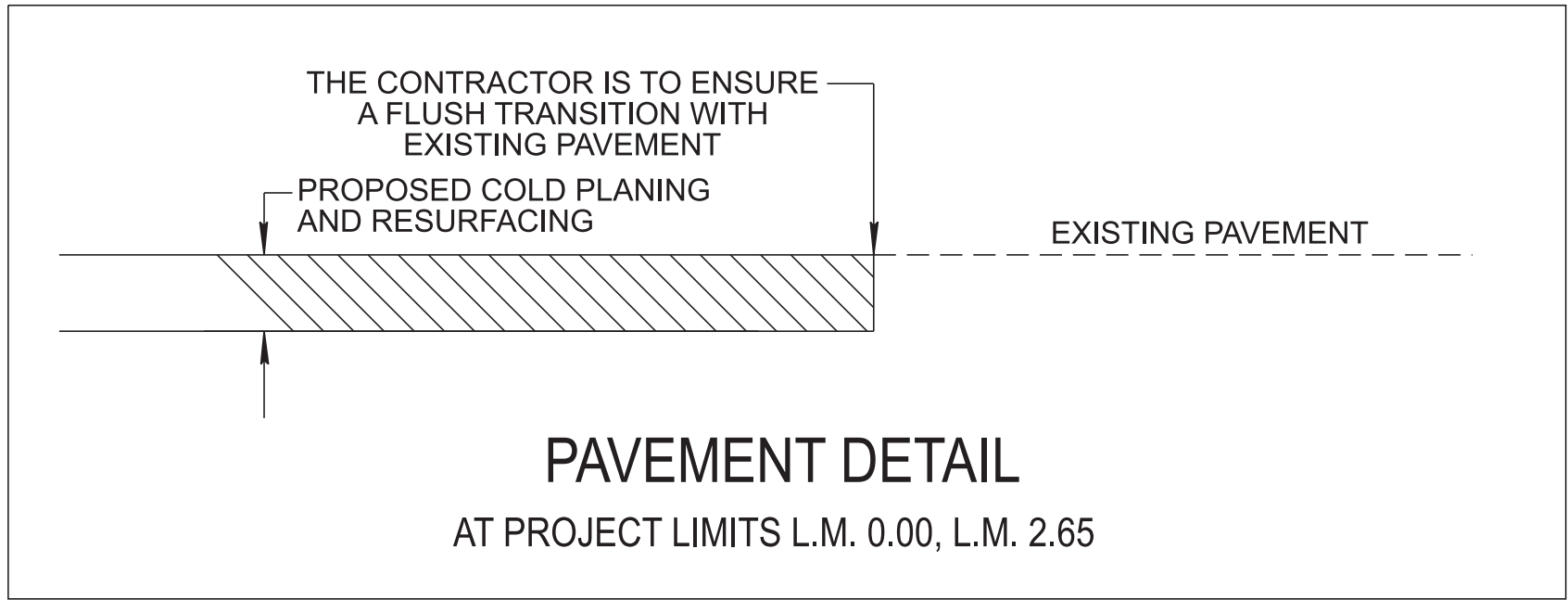
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	NH-L40-3(186)	2A

SEGMENT	BEGINNING L.M.	ENDING L.M.	LENGTH (MILES)	LANE WIDTH (FEET)	# OF LANES (WESTBOUND)	PAVED SHOULDER WIDTH (WESTBOUND) (FEET)	AGGREGATE SHOULDER WIDTH (WESTBOUND) (FEET)	# OF LANES (EASTBOUND)	PAVED SHOULDER WIDTH (EASTBOUND) (FEET)	AGGREGATE SHOULDER WIDTH (EASTBOUND) (FEET)
1	0.00	1.24	1.24	12	3	15	4	2	15	4
2	1.24	2.47	1.23	12	2	15	4	2	15	4
3	2.47	2.55	0.08	12	3	15	4	2	15	4
4	2.55	2.65	0.1	12	2	15	4	2	15	4



PROPOSED PAVEMENT SCHEDULE	
①	MINERAL AGGREGATE @ 2" THICK ITEM NO. 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"
②	GRADING CM 1½" TH. (APPROX. 165 LBS/SY) ITEM NO. 307-03.12 ASPHALT CONCRETE MIX (PG76-22) GRADING CM
③	TACK COAT (TC) ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
④	(ALTERNATE A) TACK COAT (TC) (APPROX. 0.15 GAL/SY) ITEM NO. 403-02.02 HOT APPLIED TACK COAT
	(ALTERNATE B) TACK COAT (TC) (APPROX. 0.20 GAL/SY) ITEM NO. 403-02.01 TRACKLESS TACK COAT
⑤	ASPHALTIC CONCRETE SURFACE (HM) 1¼" TH. (APPROX. 110 LBS/SY) ITEM NO. 411-03.23 ACS MIX (PG76-22) OGFC
⑥	COLD PLANING 1½" TH. (APPROX. 157.5 LBS/SY) ITEM NO. 415-01.01 COLD PLANING BITUMINOUS PAVEMENT

BRIDGE DECK RECOMMENDATIONS (RESURFACING)				
BRIDGE NUMBER	LOCATION LOG MILE	CROSSES OVER/UNDER	BRIDGE LENGTH	BRIDGE DECK RECOMMENDATIONS
41100400027	1.53 R	GARNER CREEK	180' - 8 1/4"	COLD PLANE 1-1/4" OF THE EXISTING ASPHALT AND REPLACE WITH 1-1/4" OF NEW ASPHALT & REPLACE BRIDGE JOINTS
41100400028	1.53 L	GARNER CREEK	173' - 9 5/8"	COLD PLANE 1-1/4" OF THE EXISTING ASPHALT AND REPLACE WITH 1-1/4" OF NEW ASPHALT & REPLACE BRIDGE JOINTS
41100400029	1.63 R	GARNER CREEK ROAD	117' - 0 1/8"	REMOVE ASHPALT, SEAL WITH MEMBRANE, & REPLACE BRIDGE JOINTS
411000400030	1.63 L	GARNER CREEK ROAD	117' - 0 7/8"	COLD PLANE 1-1/4" OF THE EXISTING ASPHALT AND REPLACE WITH 1-1/4" OF NEW ASPHALT & REPLACE BRIDGE JOINTS



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 CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPES UNTIL THE ENGINEER CONCURS IN THE NECESSITY OF REMOVAL DUE TO CONSTRUCTION REQUIREMENTS AND THE APPROPRIATE WARNING DEVICES ARE INSTALLED. 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 GUARDRAL, 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

- (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

- (7) IN AREAS WITH OPEN-GRADED FRICTION COURSE PAVEMENT, THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

a. SHOULDERS SHALL BE BROOMED AND DE-GRASSED IN A MANNER WHICH PERMITS PROPER DRAINAGE OF PAVEMENT STRUCTURE. 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

- (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.
- (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.

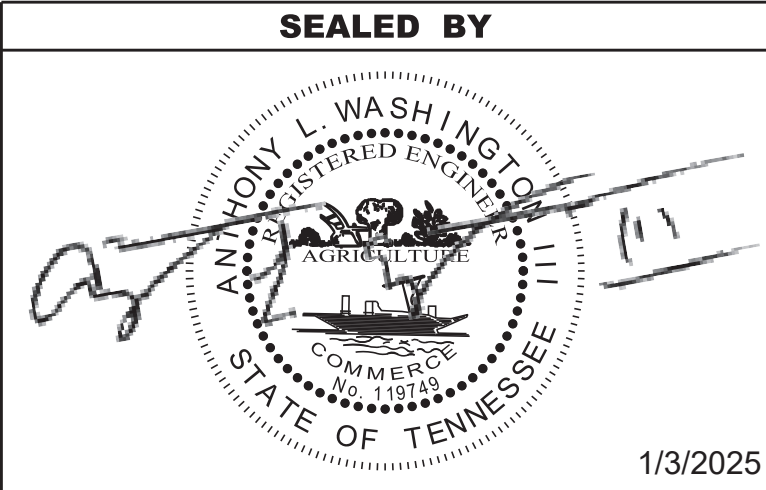
SIGNING

- (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.

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STATE OF TENNESSEE
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GENERAL
NOTES

SPECIAL NOTES

MISCELLANEOUS

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

PAVEMENT MARKINGS

- (1) THE CONTRACTOR IS TO PROVIDE THE LAYOUT OF ALL EXISTING PAVEMENT MARKINGS BEFORE BEGINNING THE RESURFACING PROJECT, EXISTING PAVEMENT MARKINGS SHALL BE REFERENCED AS NEEDED TO ENSURE THAT ALL NEW.

PAVEMENT

RESURFACING

- (1) SURFACE IS TO BE CROWNED AS DIRECTED BY THE TDOT OPERATIONS DISTRICT ENGINEER.
- (2) THE CONTRACTOR WILL PLACE THE SPOT LEVELING WHERE AND AS DIRECTED BY THE TDOT OPERATIONS DISTRICT ENGINEER.
- (3) COLD PLANING IS TO BE DONE IMMEDIATELY PRIOR TO THE COMMENCEMENT OF PAVING OPERATIONS. COLD PLANED SURFACES ARE NOT TO BE LEFT EXPOSED FOR MORE THAN FOUR (4) CALENDAR DAYS (96 HOURS) BEFORE BEING OVERLAYED BY THE FIRST COURSE OF ASPHALT. IF NECESSARY, COLD PLANING OPERATIONS ARE TO BE SUSPENDED TO ALLOW PAVING OPERATIONS TO CATCH UP. AFTER COLD PLANING AND PRIOR TO ALLOWING USE BY TRAFFIC, THE CONTRACTOR WILL RAMP ASPHALT AROUND EXISTING UTILITIES TO ELIMINATE HAZARD TO VEHICLES.
- (4) TEMPORARY RAMP CLOSURES FOR MAINLINE RESURFACING SHALL BE AS FOLLOWS:

a. RAMP CLOSURES SHOULD BE LIMITED TO NO MORE THAN 3 HOURS.

b. ALL RAMP CLOSURE REQUESTS SHALL BE MADE AT LEAST 7 WORKING DAYS PRIOR TO THE ANTICIPATED DATE OF CLOSURE.

c. RAMPS IN THE OPPOSITE DIRECTION OF THE CLOSURES CANNOT BE CLOSED AT THE SAME TIME AND NO SUBSEQUENT EXIT RAMPS SHALL BE CLOSED UNLESS IT IS LESS THAN 1 MILE FROM RAMP TO RAMP.

d. RAMPS WITH HOSPITALS OR OTHER EMERGENCY/FIRE/POLICE FACILITIES SHALL BE PASSABLE FOR EMERGENCY VEHICLES WHEN CLOSED TO REGULAR VEHICLE TRAFFIC.

BRIDGE

- (1) THE CONTRACTOR SHOULD TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT OFF BRIDGE DECK, SO AS NOT TO DAMAGE THE EXISTING DECK SEALANT AND/OR EXPANSION JOINT MEMBERS (STEEL PLATES, BARS, AND/OR HEADERS). IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS ON ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE PROJECT ENGINEER AT NO ADDITIONAL COST.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) 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.
- (2) THE CONTRACTOR SHALL KEEP ALL TRAFFIC LANES OPENED TO TRAFFIC DURING NON-WORK HOURS AND NON-WORK DAYS.
- (3) THE DEPARTMENT SHALL RESERVE THE RIGHT TO REOPEN LANES AS NECESSARY WHEN TRAFFIC CONDITIONS ARE DEEMED UNACCEPTABLE (EXCESSIVE QUEUE LENGTHS AND DELAY TIMES). THE CONTRACTOR SHALL BE REQUIRED TO FULLY COOPERATE WITH THE PROJECT SUPERVISOR WHEN REQUESTED TO MAKE CHANGES TO THE TRAFFIC
- (4) MESSAGE BOARDS SHALL BE USED NEAR INTERCHANGE AND/OR OTHER DESIGNATED AREAS IN ADVANCE OF THE WORK ZONE TO ALERT MOTORISTS OF POSSIBLE DELAYS AND RECOMMEND THE USE OF ALTERNATE ROUTES. THE MESSAGE SHALL BE UPDATED AS OFTEN AS NECESSARY SO THAT THE MOTORISTS OBTAIN CURRENT TRAFFIC INFORMATION. MESSAGE BOARDS SHALL BE RELOCATED AS NECESSARY AS THE WORK PROGRESSES. THE CONTRACTOR SHALL BE REQUIRED TO IDENTIFY AN INDIVIDUAL WORKING ON THE PROJECT THAT WILL BE RESPONSIBLE FOR KEEPING THE MESSAGES CURRENT AND RELOCATING MESSAGE BOARDS AS REQUESTED BY TDOT. THE PROJECT SUPERVISOR SHALL HAVE THE AUTHORITY TO APPROVE ALL MESSAGES AND REQUIRED CHANGES AT ANY TIME DUE TO CHANGING TRAFFIC CONDITIONS.

WORK RESTRICTIONS

- (1) ALL CONSTRUCTION ACTIVITIES WILL BE DONE AT NIGHT AS DIRECTED BY THE ENGINEER. NO DAYTIME LANE CLOSURES WILL BE PERMITTED.

RESURFACING

- 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 NO 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.

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SPECIAL
NOTES

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

TELEPHONE/FIBER:
AT&T
116 SOUTH CANNON AVE
MURFREESBORO, TN 37129
CONTACT: LEE KORNEGAY
OFFICE PHONE: 615 848 2082
CELL PHONE: 615 631 7221
Email: KK4096@ATT.COM

TELEPHONE/FIBER:
TENN. ELECTRONICS CORP.
4587 WEST MAIN ST
ERIN, TN 37061
CONTACT: RAY BRADLEY
OFFICE PHONE: 931 289 4221
CELL PHONE: 931 348 9036
Email: EBRADLEY@TEC.COM

FIBER:
CHARTER
1850 BUSINESS PARK DR
CLARKSVILLE, TN 37040
CONTACT: DAVID ROBINSON
OFFICE PHONE: 931 538 1716
CELL PHONE: 347 804 4063
Email: DAVID.G.ROBINSON@CHARTER.COM

WATER & SEWER:
WATER AUTHORITY OF DICKSON COUNTY
101 COWAN RD
DICKSON, TN 37055
CONTACT: MICHAEL ROGERS
OFFICE PHONE: 615 441 5403
CELL PHONE: 615 642 7539
Email: MROGERS@WADE.US


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

ELECTRIC/FIBER:
MERIWETHER LEWIS ELECTRIC
1625 HIGHWAY 100
CENTERVILLE, TN 37033
CONTACT: TOMMY EDMONDS
OFFICE PHONE: 931 729 3558
CELL PHONE: 931 994 1663
Email: TOMMY.EDMONDS@MLEC.COM

ELECTRIC/FIBER:
DICKSON ELECTRIC SYSTEM
236 COWAN RD
DICKSON, TN 37056
CONTACT: MIKE BILLINGSBY
OFFICE PHONE: 615 441 6301
CELL PHONE: 615 210 9137
Email: MBILLINGSBY@DICKSONELECTRIC.COM

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UTILITY NOTES
AND
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 ENGINEERING PRODUCTION SUPPORT 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.

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 COLD PLANING, PAVING WITH OPEN GRADE FRICTION COURSE, STRIPING, TRAFFIC CONTROL, GUARDRAIL IMPROVEMENTS, 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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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 MANUFACTURERS 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	NH-L40-3(186)	2D1

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1/3/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

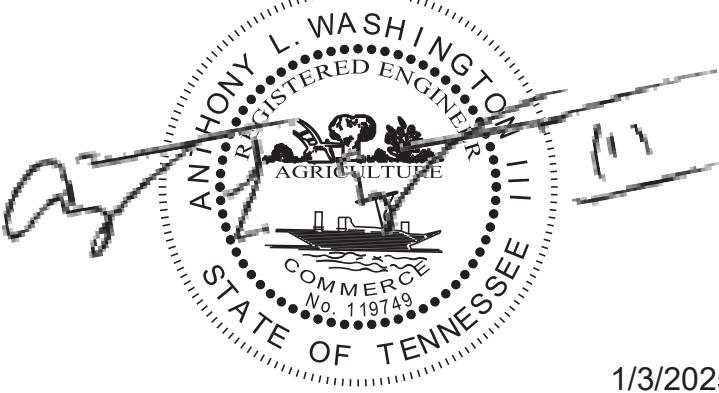
ENVIRONMENTAL
NOTES

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			
E5-1	EXIT	72"	x 60"	30	1	30
E5-2	EXIT OPEN	48"	x 36"	12	1	12
E5-2A	EXIT CLOSED	48"	x 36"	12	1	12
G20-1	ROAD WORK NEXT 3 MILES	48"	x 24"	8	4	32
G20-2	END ROAD WORK	48"	x 24"	8	5	40
R1-2	YIELD	48"	x 48"	16	1	16
R11-2	ROAD CLOSED	48"	x 30"	10	1	10
W3-2	YIELD AHEAD	48"	x 48"	16	1	16
W4-1R	MERGING TRAFFIC	48"	x 48"	16	1	16
W4-2L	LEFT LANE ENDS SYMBOL	48"	x 48"	16	2	32
W4-2R	RIGHT LANE ENDS SYMBOL	48"	x 48"	16	4	64
W8-11	UNEVEN LANES	48"	x 48"	16	15	240
W8-15	GROOVED PAVEMENT	48"	x 48"	16	15	240
W8-15P	MOTORCYCLE PLAQUE	30"	x 24"	5	15	75
W20-1	ROAD WORK 1 MILE	48"	x 48"	16	4	64
W20-1	ROAD WORK 1/2 MILE	48"	x 48"	16	4	64
W20-1	ROAD WORK 1000 FT	48"	x 48"	16	4	64
W20-1	ROAD WORK AHEAD	48"	x 48"	16	1	16
W20-5L	LEFT LANE CLOSED 1/2 MILE	48"	x 48"	16	2	32
W20-5L	LEFT LANE CLOSED 1500 FT	48"	x 48"	16	2	32
W20-5R	RIGHT LANE CLOSED 1/2 MILE	48"	x 48"	16	2	32
W20-5R	RIGHT LANE CLOSED 1500 FT	48"	x 48"	16	2	32
W20-5R	RIGHT TWO LANES CLOSED 1/2 MILE	48"	x 48"	16	2	32
W20-5R	RIGHT TWO LANES CLOSED 1500 FT	48"	x 48"	16	2	32
TOTAL						1235

PROPOSED GUARDRAIL (RESURFACING)						
SIDE		LOG MILE	GUARDRAIL			TERMINAL ANCHORS
			GUARDRAIL BEAM TRANSITION 27 IN TO 31 IN 705-02.10 (EACH)	EARTH PAD FOR TYPE 38 GR. END TREATMENT 705-04.09 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)	TYPE 38 MASH TL3 (46.875') 705-06.20 (EACH)
LT	RT					
X		0.203	1	1	50	1
	X	0.553	1		50	1
X		0.685	1		50	1
	X	0.966	1	1	50	1
X		1.701	1	1	50	1
	X	2.150	1	1	50	1
X		2.568	1	1	50	1
TOTALS			7	5	350	7

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	NH-L40-3(186)	2E

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED
QUANTITIES

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



INTERSTATE 40 (SEQ. 3)
LOG MILE 1.25 - 1.33
HICKMAN COUNTY

REFERENCE STANDARD DRAWING
T-M-5

FOR REFERENCE ONLY
PROVIDED TDOT REGION 3 TRAFFIC

ESTIMATED PAVEMENT MARKING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	284

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	NH-I-40-3(186)	3

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT
MARKING
IMPROVEMENTS

NOT TO SCALE

\$\$\$\$SYTIME\$\$\$\$\$\$\$\$
\$\$\$\$GNSPEC\$\$\$\$\$\$\$\$

PIN NO.:	135014.00	DATE:	/ /
DESIGN BY:		DATE:	10/24
DRAWN BY:	SILESHI ERGICHO	DATE:	10/24
SUPERVISED BY:	KEVIN MARTINKO	DATE:	/ /
CHECKED BY:		DATE:	/ /

INDEX OF DRAWINGS

DWG. NO.

SIGNATURE SHEET	STRUCTURE-SIGN 1
INDEX OF DRAWINGS	B1
BRIDGE TABULATION AND ESTIMATED QUANTITIES	B2
DECK REPAIRS DETAILS AND NOTES	B3
PLAN VIEW, APPROXIMATE EXPANSION JOINT	
REPAIRS LOCATIONS	B4
PLAN VIEW, APPROXIMATE EXPANSION JOINT	
REPAIRS LOCATIONS	B5
PHASING	B6
PHASING	B7
EXPANSION JOINT REPAIRS	
DETAILS AND NOTES	B8

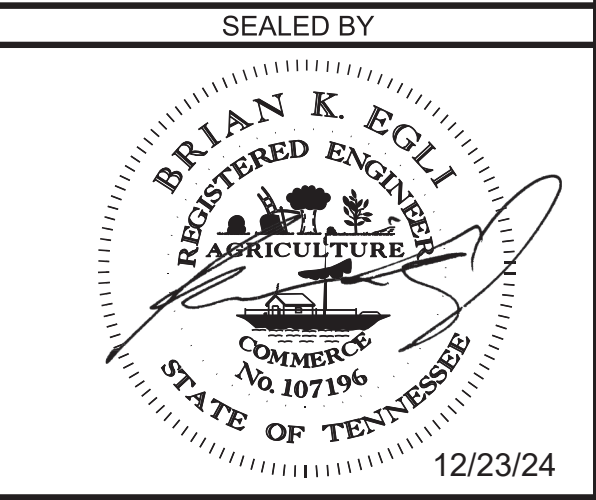
INDEX OF REFERENCE DRAWINGS

DWG. NO.

LAYOUT OF THE BRIDGE	BR-111-19
PHASING	BR-111-22
LAYOUT OF THE BRIDGE	BR-111-33
PHASING	BR-111-34

FEDERAL PROJECT # NH-I40-3(186)

PROJECT NO.		YEAR	SHEET NO.
41I040-M3-013		2025	B-1
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
INDEX OF DRAWINGS
41-I40-1.53 RT. & LT. OVER
GARNER CREEK
41-I40-1.63 RT. & LT.
GARNER CREEK ROAD
HICKMAN COUNTY
2025

\$\$\$\$\$TIME\$\$\$\$\$
\$\$\$\$\$GINSPEC\$\$\$\$\$
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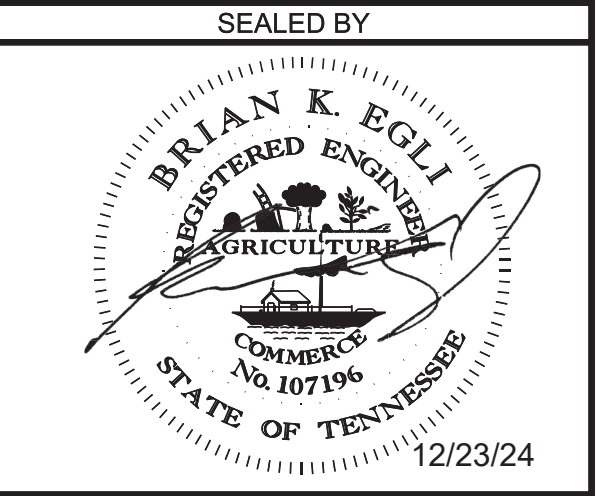
PIN NO.: 135014.00
DESIGN BY: SILESHI ERGICHO
DRAWN BY: KEVIN MARTINKO
SUPERVISED BY:
CHECKED BY:

DATE: / /
DATE: 10/24
DATE: 10/24
DATE: / /

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	307-03.08 ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) (GRADING B-M2) TON	604-10.44 EXPANSION JOINT REPAIRS L.F.	604-10.30 BRIDGE DECK REPAIRS (FULLL DEPTH OF SLAB) S.Y. *	604-10.50 BRIDGE DECK REPAIRS (PARTIAL DEPTH OF SLAB) S.Y. *	617-01 BRIDGE DECK SEALANT S.Y.
41-I40-1.53 RT. OVER GARNER CREEK (41I00400027)	BR-111-19 BR-111-22	EXPANSION JOINT REPAIRS		84			
41-I40-1.53 LT. OVER GARNER CREEK (41I00400028)	BR-111-19 BR-111-22	EXPANSION JOINT REPAIRS		84			
41-I40-1.63 RT. OVER GARNER CREEK ROAD (41I00400029)	BR-111-33 BR-111-34	GRADING B-M2 EXPANSION JOINT REPAIRS BRIDGE DECK REPAIRS (FULL & PARTIAL DEPTH OF SLAB) BRIDGE DECK SEALANT	54	38	15	75	480
41-I40-1.63 LT. OVER GARNER CREEK ROAD (41I00400030)	BR-111-33 BR-111-34	EXPANSION JOINT REPAIRS		38			
		TOTAL	54	244	15	75	480

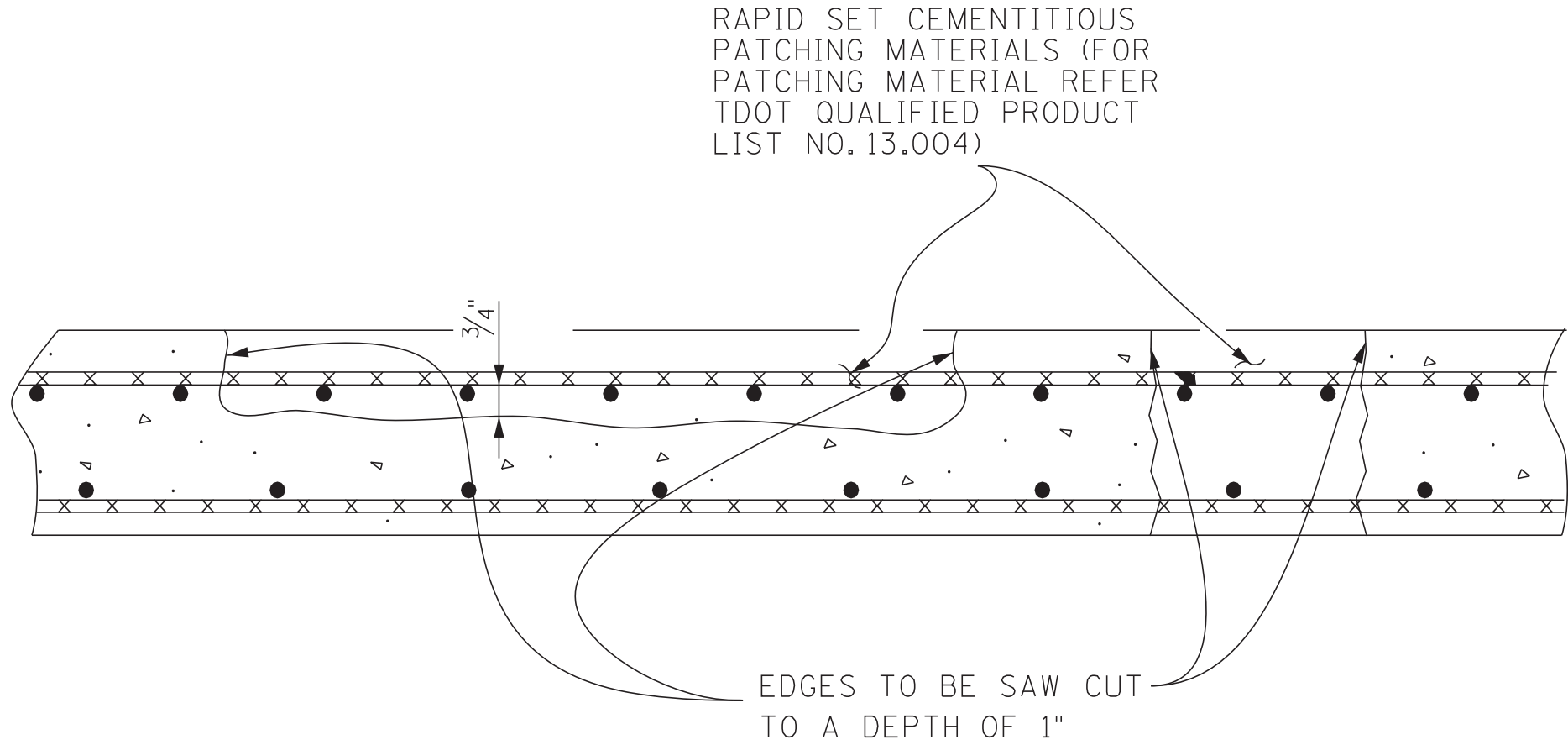
* DENOTES: FULL AND PARTIAL DEPTH DECK REPAIRS AREAS WILL BE LOCATED AFTER THE EXISTING ASPHALT IS REMOVED.

PROJECT NO.		YEAR	SHEET NO.
41I040-M3-013		2025	B-2
REVISIONS			
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BRIDGE TABULATION AND
ESTIMATED QUANTITIES
41-I40-1.53 RT. & LT. OVER
GARNER CREEK
41-I40-1.63 RT. & LT.
GARNER CREEK ROAD
HICKMAN COUNTY
2025

PROJECT NO.		YEAR	SHEET NO.
411040-M3-013		2025	B-3
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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SKETCH SHOWING DECK REPAIR

NOTE: PARTIAL DEPTH DECK REPAIR ONLY REMOVE CONCRETE IN ALL DELAMINATED AREAS TO A DEPTH OF ¾" BELOW THE TOP BAR OF THE TOP MAT OF REINFORCING STEEL.

NOTE: PARTIAL AND FULL DEPTH DECK REPAIRS ALL REINFORCING STEEL IN THE AREAS OF THE DECK REPAIRS SHALL BE COMPLETELY CLEANED. CLEANING SHALL BE DONE PRIOR TO PLACING NEW CONCRETE. AREAS OF CONCRETE REMOVAL SHALL BE DESIGNATED BY PERSONNEL FROM THE HEADQUARTERS, BRIDGE INSPECTION AND REPAIR OFFICE. INSPECTIONS TO DETERMINE AREAS OF DECK REPAIR SHALL BE SCHEDULED WITH THE BRIDGE REPAIR OFFICE AT LEAST (3) DAYS IN ADVANCE.

THE COST OF CONCRETE, CONCRETE REMOVAL, LABOR, CLEANING REBAR AND ANY MISCELLANEOUS MATERIAL REQUIRED SHALL BE PAID FOR UNDER ITEM NO. 604-10.50 BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB), S.Y. AND ITEM NO. 604-10.30 BRIDGE DECK REPAIR (FULL DEPTH) S.Y..

NOTE: ITEM NOS. 604-10.50, BRIDGE DECK REPAIR (PARTIAL DEPTH OF SLAB) AND 604-10.30 BRIDGE DECK REPAIR (FULL DEPTH) SHALL BE ITEMS BID ON SHALL BE BID THIS MAY BE INCREASED, DECREASED OR ELIMINATED AS APPROVED BY THE ENGINEER.

NOTE: TRAFFIC CONTROL SHALL BE PROVIDED ON ROADWAY UNDERPASS DURING PARTIAL AND FULL DEPTH DECK REPAIR OF OVERHEAD BRIDGE.

BRIDGE DECK REPAIR MATERIAL

ALL REPAIRS SHALL USE QUICK SET PATCHING MATERIAL FROM THE TDOT QUALIFIED PRODUCTS LIST: 13.004-RAPID SET CEMENTITIUS PATCHING MATERIALS. SHALL BE APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

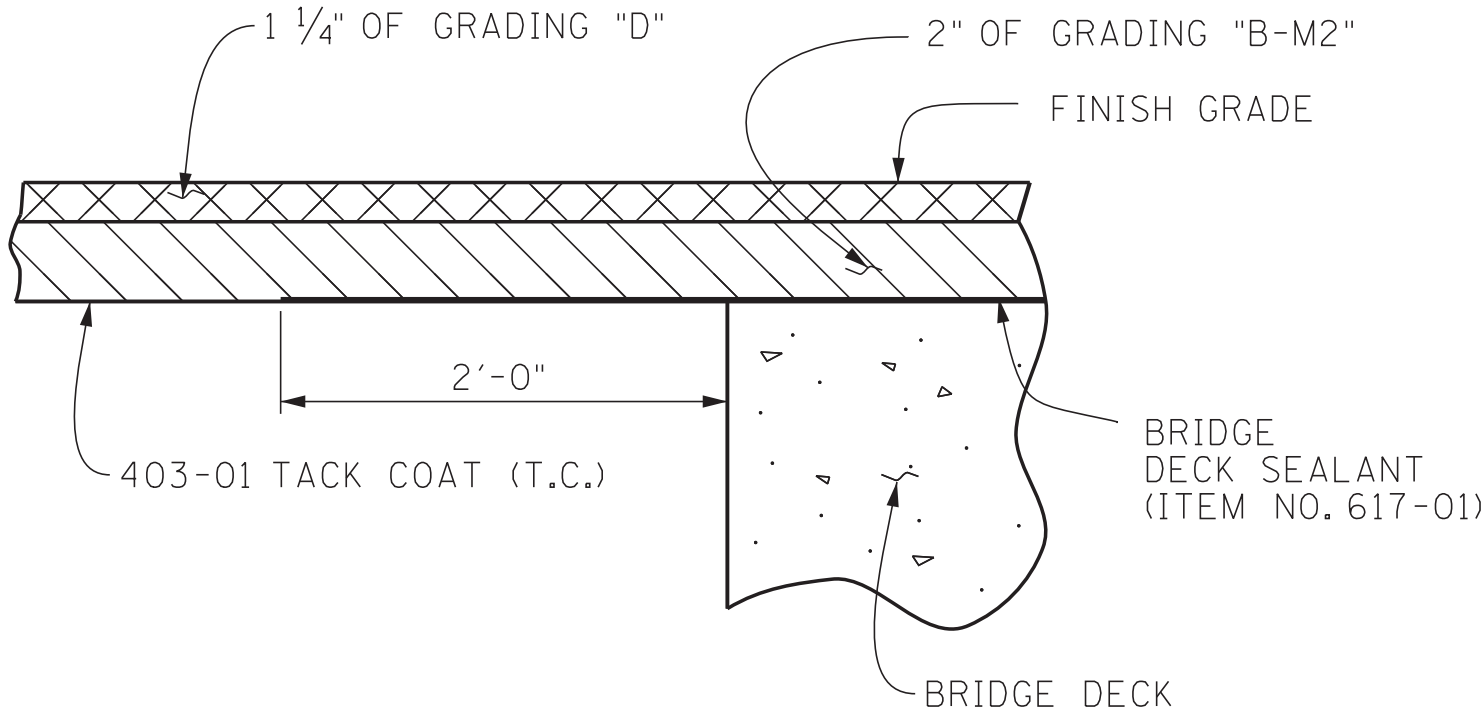
PATCHING MATERIAL SHOULD BE ABLE TO ACHIEVE A MINIMUM 3000PSI AT 18 HOURS. PATCHING MATERIAL SHALL REACH 3000PSI BEFORE OPENING TO THE TRAFFIC.

OPTIONAL BRIDGE DECK REPAIR MATERIAL

IF OVERNIGHT LANE CLOSURES ARE PROVIDED FOR THIS PROJECT AND THE LANE CLOSURES ARE SUCH THAT TRAFFIC WILL BE KEPT OFF THE BRIDGE DECK WHERE DECK REPAIRS WILL BE MADE, THEN HIGH EARLY STRENGTH CONCRETE SHALL BE USED WITH A COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 18 HOURS. THE CONTRACTOR SHALL PROVIDE PROOF PRIOR TO BEGINNING WORK THAT PROPOSED CONCRETE MIX WILL OBTAIN REQUIRED PROPERTIES. PROOF SHALL BE PROVIDED BY AN INDEPENDENT TESTING COMPANY AND SUBMITTED TO THE MATERIALS AND TESTS DIVISION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION FOR APPROVAL. TRAFFIC SHALL NOT BE ALLOWED ON REPAIRED AREAS UNTIL THE CONCRETE HAS BEEN IN PLACE A MINIMUM OF 18 HOURS.

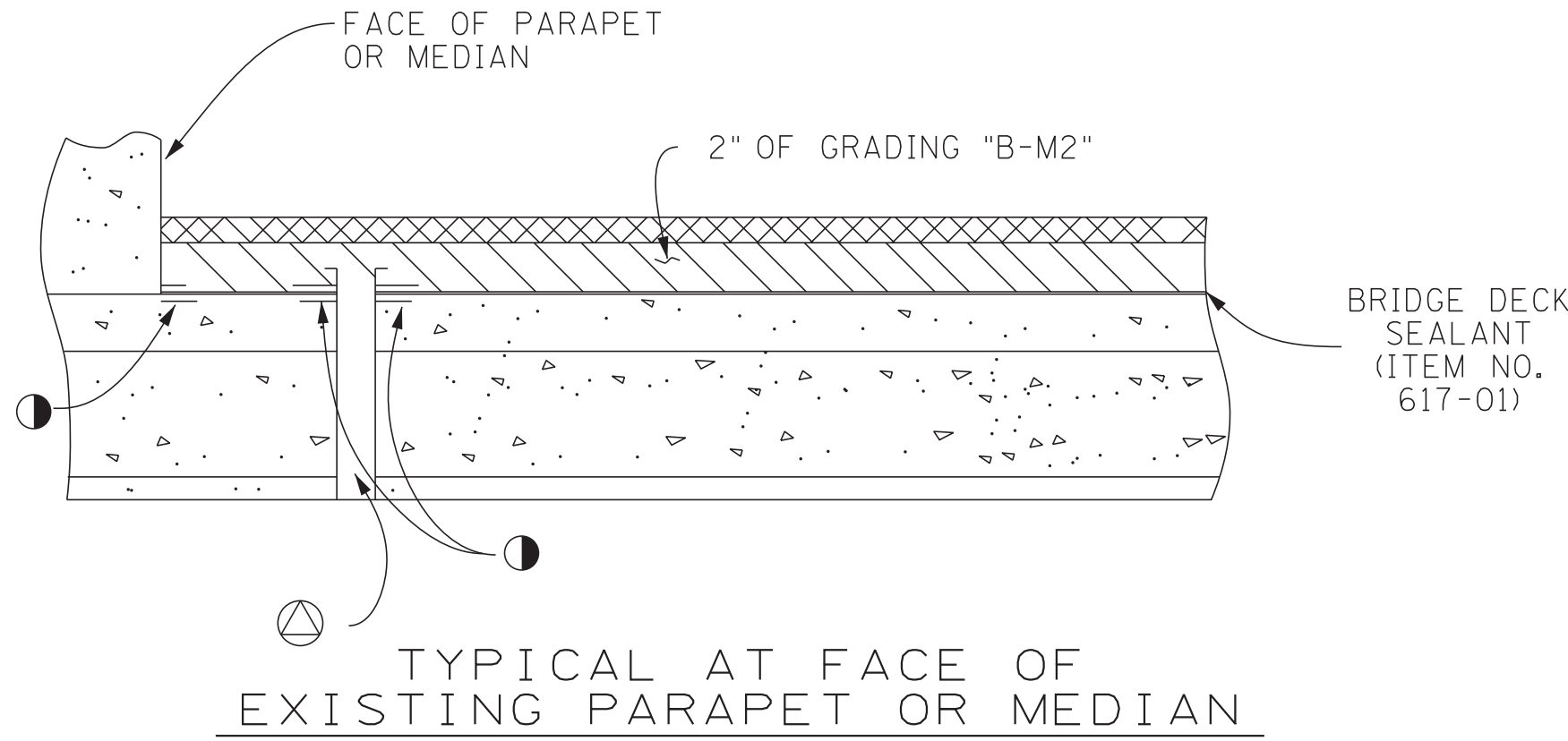
POWER DRIVEN HAND TOOLS:

POWER DRIVEN HAND TOOLS USED FOR THE REMOVAL OF UNSOUND CONCRETE IN MAKING PARTIAL AND FULL DEPTH REPAIRS ARE SUBJECT TO THE FOLLOWING RESTRICTIONS: (1) PARTIAL DEPTH REPAIRS; PNEUMATIC HAMMERS HEAVIER THAN NOMINAL 60 lb. CLASS SHALL NOT BE USED. ALSO TRAFFIC CONTROL SHALL BE SET UP DURING PARTIAL DEPTH REPAIRS OVER TRAFFIC. (2) FULL DEPTH REPAIRS; PNEUMATIC HAMMERS HEAVIER THAN NOMINAL 90 lb. CLASS SHALL NOT BE USED. ALSO ALL DECK REPAIR OVER BEAMS WILL BE RESTRICTED TO 60 lb. AND OVER THE DIAPHRAGMS WILL BE RESTRICTED TO 35 lb PNEUMATIC HAMMERS. (3) CHIPPING HAMMERS OF THE 15 lb. CLASS SHALL BE USED TO REMOVE CONCRETE FROM BENEATH ANY REINFORCING STEEL.



BRIDGE DECK SEALANT DETAIL

NOTE: ON BRIDGE DECK WHERE THERE IS A BITUMINOUS JOINT OR WITH NO EXPANSION JOINT, MEMBRANE SHALL EXTEND 2'-0" OVER THE END OF THE BRIDGE DECK. IF THE DECK HAS A STEEL EXPANSION JOINT, THE MEMBRANE SHALL STOP AT THE STEEL EXPANSION JOINT.



- MASTIC AS RECOMMENDED BY MANUFACTURER OF MEMBRANE. SEE STD. SPEC. ART. 906.04

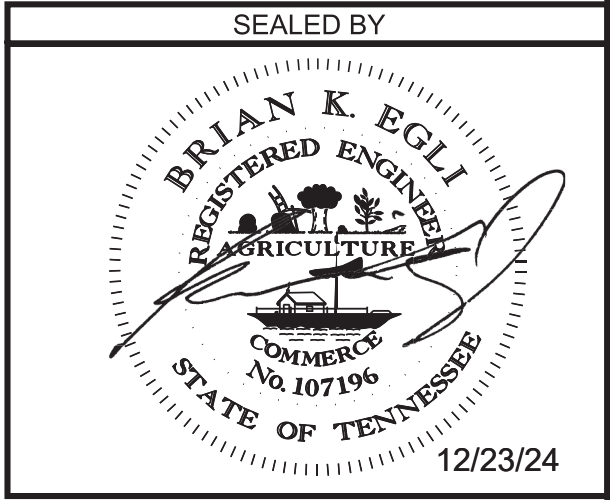
⊕ 1½" DIAMETER HOLE TO BE DRILLED BY THE CONTRACTOR NEAR FACE OF EXISTING CONCRETE PARAPETS OR MEDIAN AT LOW POINTS, COST TO BE INCLUDED IN ITEM NO. 617-01
- NOTE: NO HOLES TO BE DRILLED IF THE PREVIOUS HOLES EXIST.

NOTE: PRIOR TO THE PLACEMENT OF THE BRIDGE DECK SEAL MEMBRANE, THE BRIDGE SHALL BE CLEANED OF ALL LOOSE DEBRIS AND EXCESS DIRT. THE BRIDGE DECK SHALL ALSO BE CLEANED OF ALL OIL, DIESEL OR ANY OTHER PETROLEUM PRODUCT SPILLS AND DRY ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

THE WATERPROOFING MEMBRANE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. THE COST OF ALL THE MATERIALS NECESSARY FOR THE WATERPROOFING APPLICATION (WATERPROOFING MEMBRANE, PRIMER, MASTIC, ETC.) AND LABOR SHALL BE PAID FOR UNDER ITEM NO. 617-01 BRIDGE DECK SEALANT S.Y.

NOTE: BRIDGE DECK SEALANT SHALL BE APPLIED DIRECTLY TO THE CONCRETE SURFACE OF THE BRIDGE DECK AS NOTED IN THE BRIDGE DECK SEALANT DETAIL.

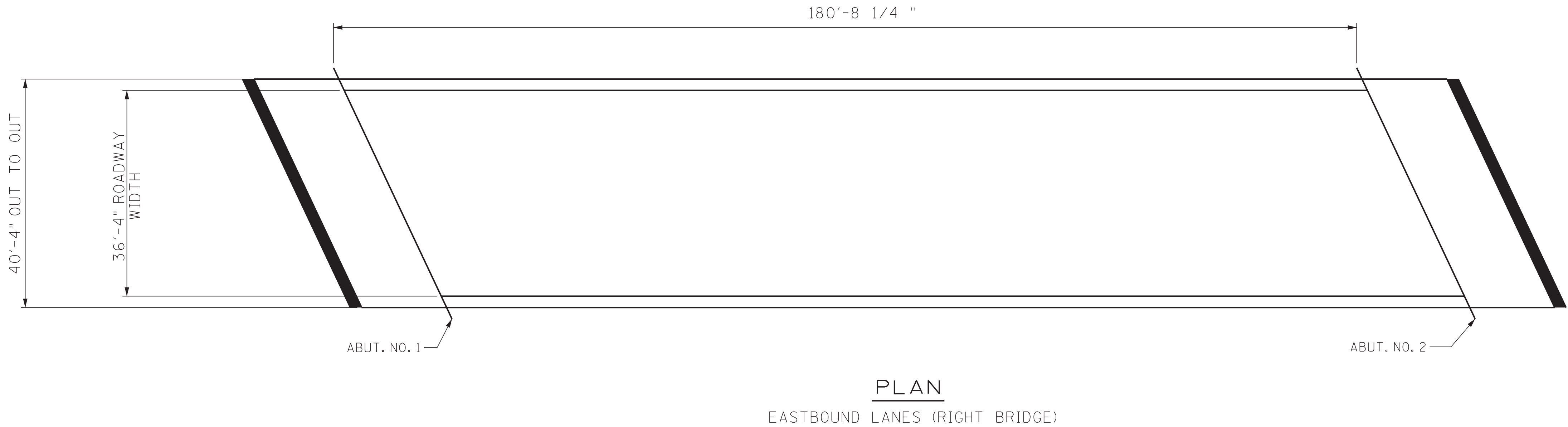
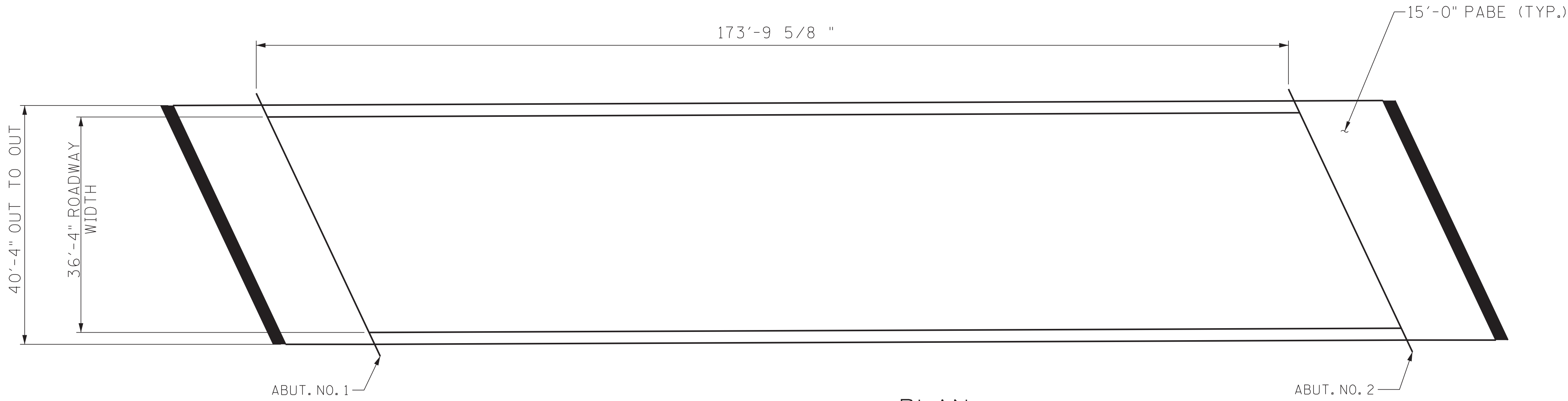
NOTE: FORMS AND FALSEWORK : ALL CONCRETE FORMS AND FALSEWORK SHALL BE REMOVED AFTER REPAIRS ARE COMPLETED. COST OF REMOVAL SHALL BE INCLUDED IN ITEMS BID ON. THIS WORK SHALL BE COMPLETED BEFORE FINAL PAYMENT IS APPROVED.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
REPAIRS NOTES
AND DETAILS
41-140-1.63 RT. OVER
GARNER CREEK ROAD
HICKMAN COUNTY
2025

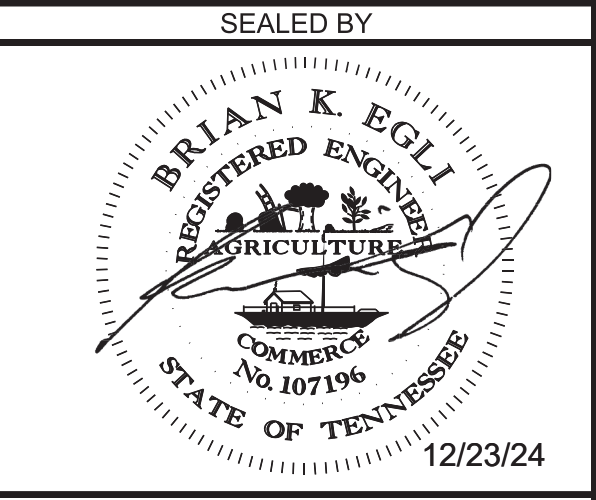
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DESIGN BY:		DATE:	10/24
DRAWN BY:	SILESHEI ERGICHO	DATE:	10/24
SUPERVISED BY:	KEVIN MARTINKO	DATE:	/ /
CHECKED BY:		DATE:	/ /

PROJECT NO.		YEAR	SHEET NO.
41I040-M3-013		2023	B-4
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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██████████ DENOTES: APPROXIMATE EXPANSION JOINT REPAIRS LOCATIONS

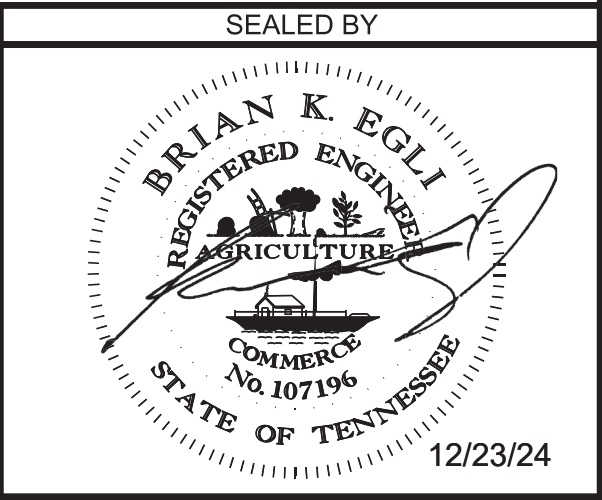
NOTE: SEE SHEET B8 FOR EXPANSION JOINT REPAIRS DETAILS AND NOTES.



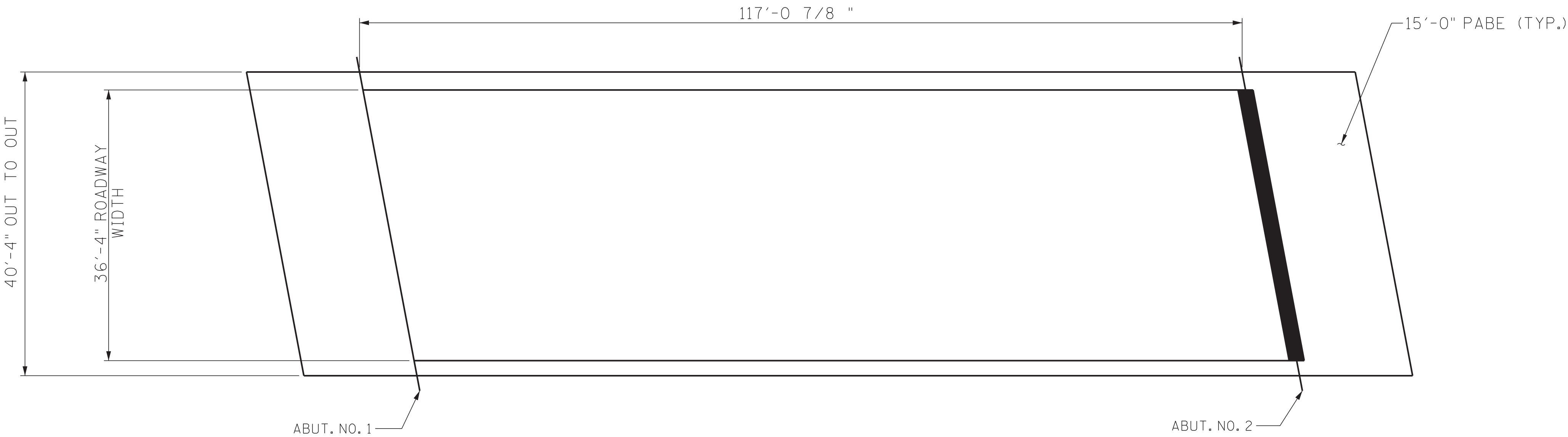
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PLAN VIEW
REPAIRS LOCATIONS
41-I40-1.53 RT. & LT.
OVER
GARNER CREEK
HICKMAN COUNTY
2025

PIN NO.:	135014.00	DATE:	/ /
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DRAWN BY:	KEVIN MARTINKO	DATE:	10/24
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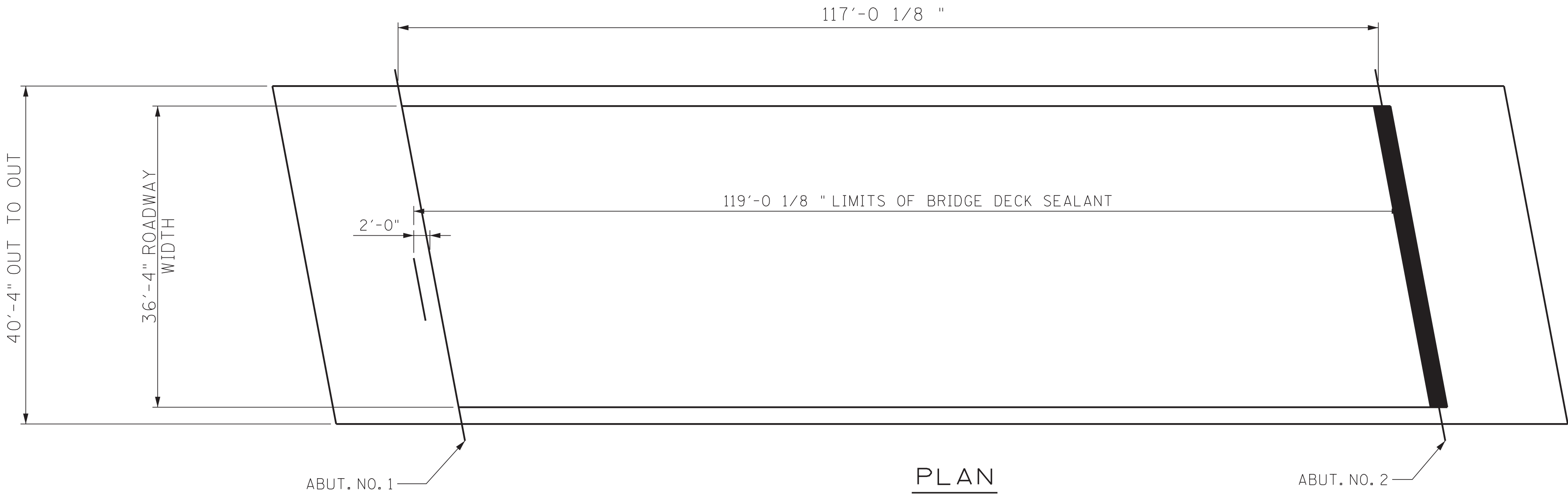
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41I040-M3-013		2025	B-5
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PLAN VIEW
REPAIRS LOCATIONS
41-140-1.63 RT. & LT.
OVER
GARNER CREEK ROAD
HICKMAN COUNTY
2025



PLAN
WESTBOUND LANES (LEFT BRIDGE)



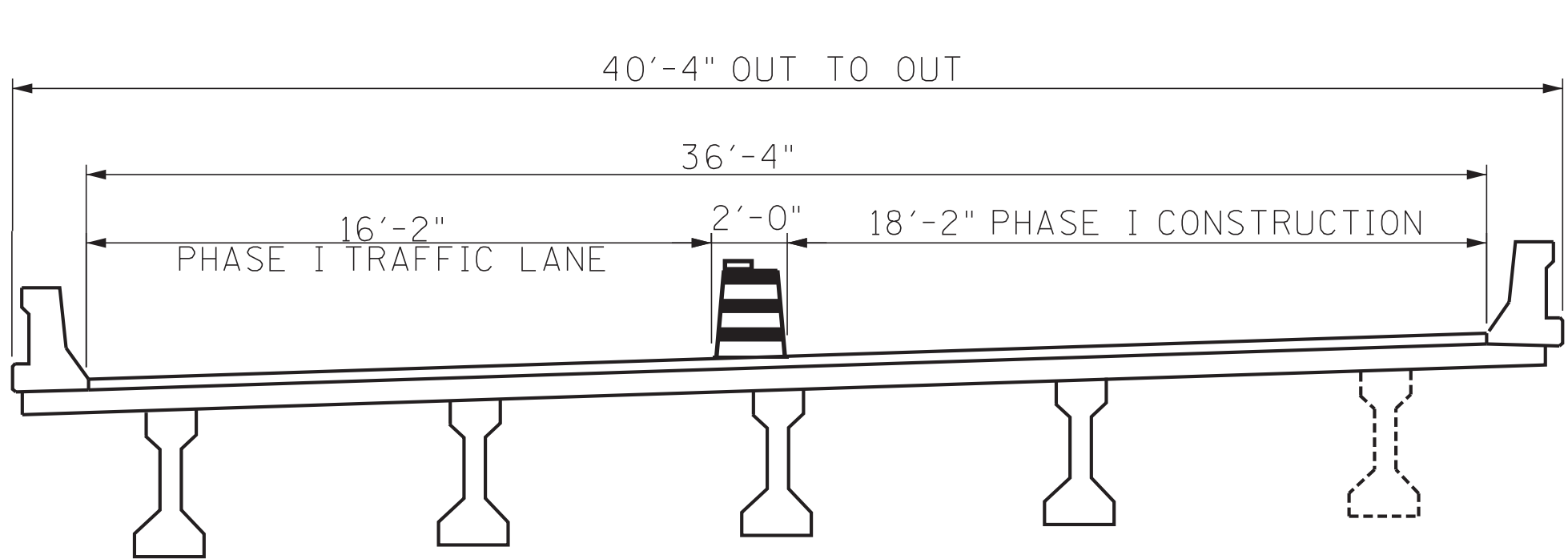
PLAN
EASTBOUND LANES (RIGHT BRIDGE)

██████ DENOTES: APPROXIMATE EXPANSION JOINT REPAIRS LOCATIONS

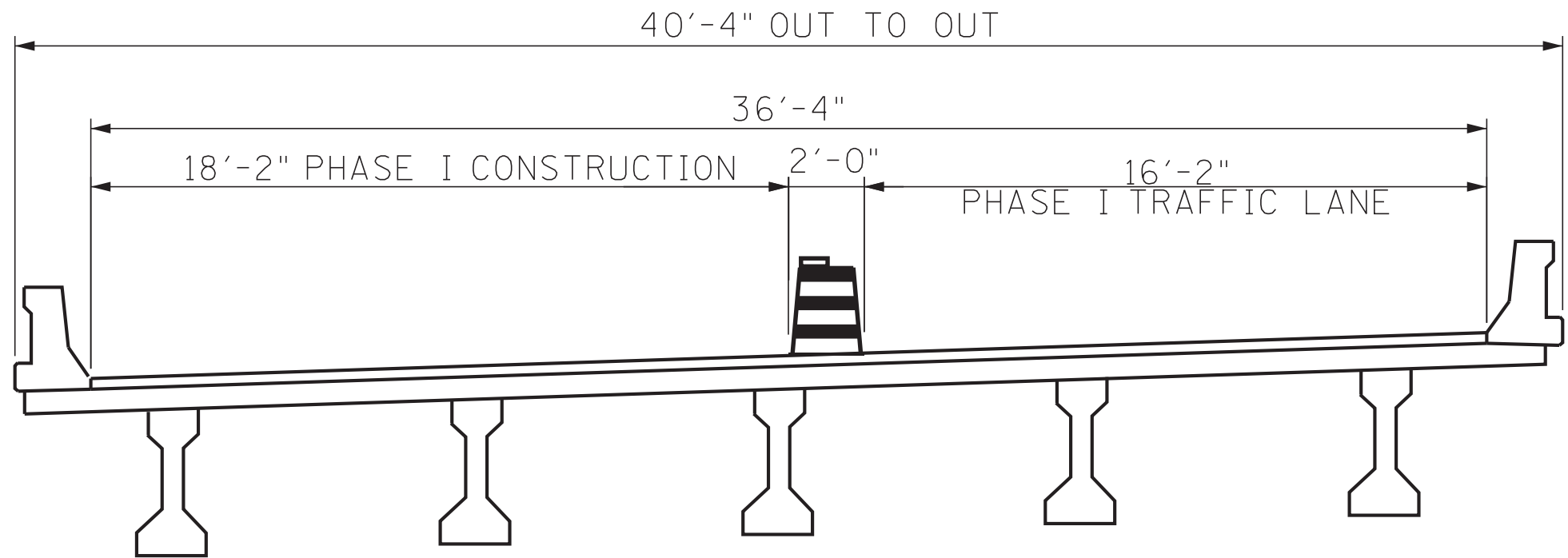
NOTE: SEE SHEET B8 FOR EXPANSION JOINT REPAIRS DETAILS AND NOTES.

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DESIGN BY:		DATE:	10/24
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SUPERVISED BY:	KEVIN MARTINKO	DATE:	/ /
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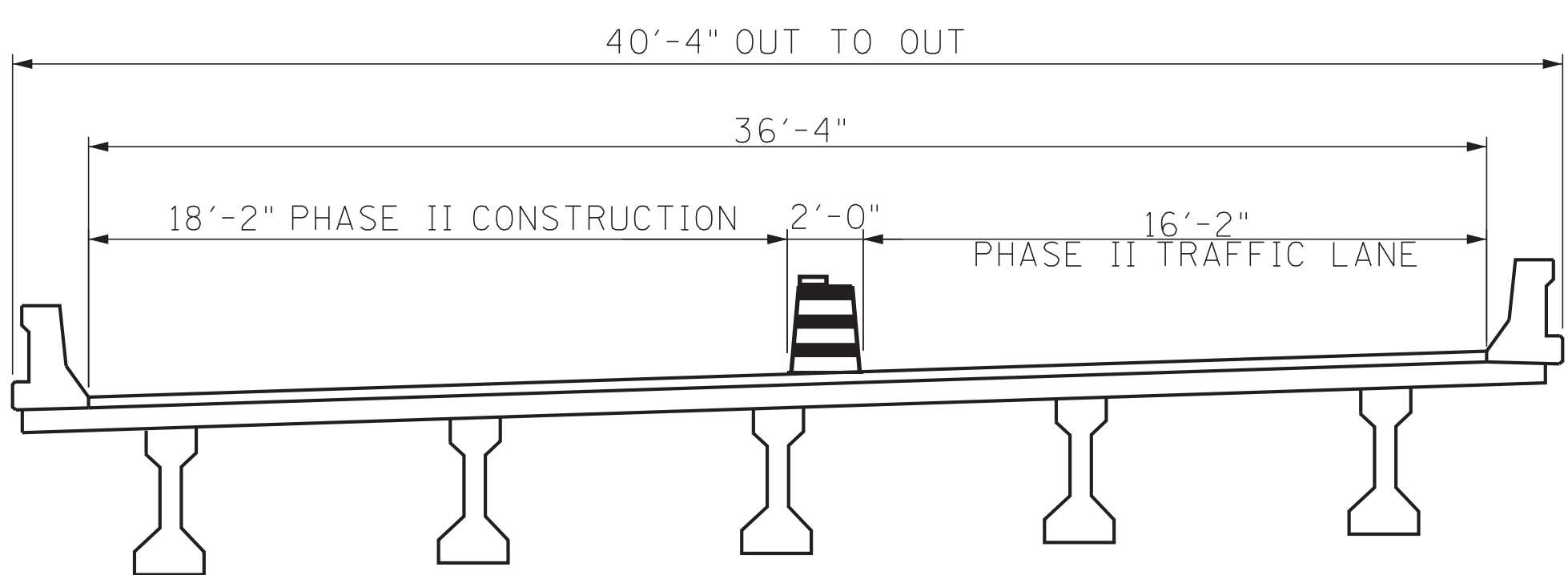
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REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
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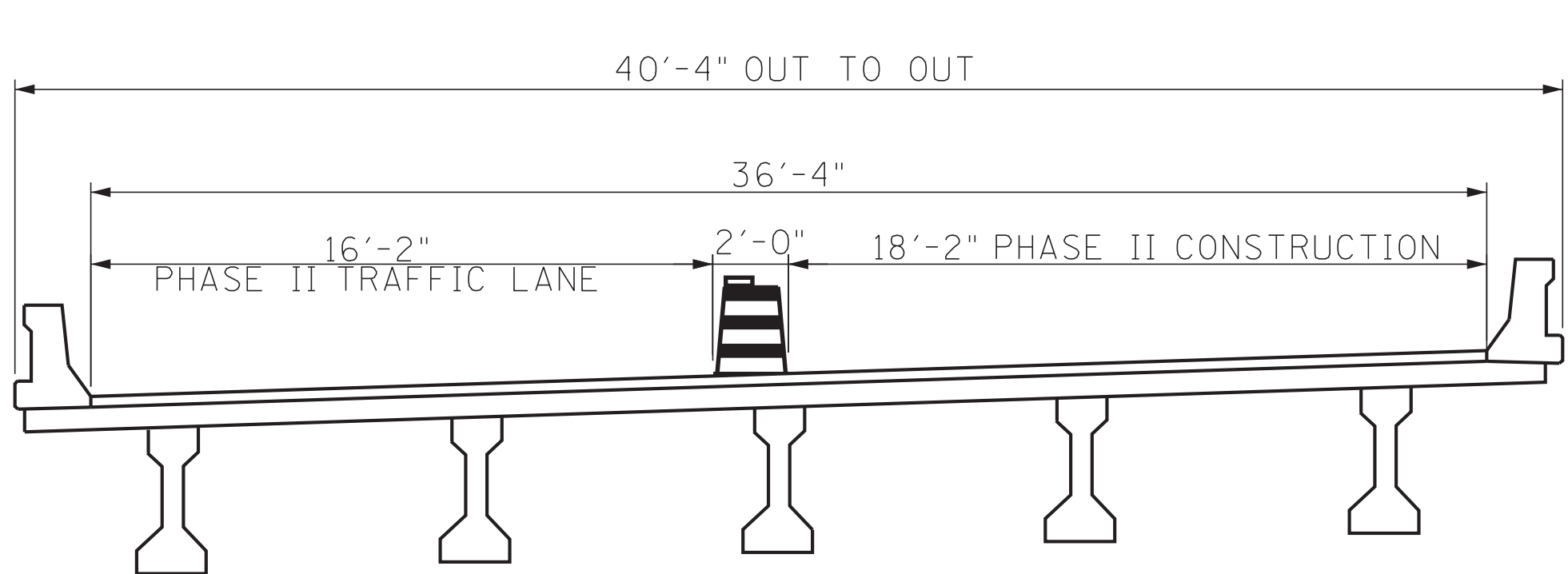
PHASE I CONSTRUCTION-WEST BOUND LANES
(LOOKING AHEAD ON SURVEY)



PHASE I CONSTRUCTION-EAST BOUND LANES
(LOOKING AHEAD ON SURVEY)



PHASE II CONSTRUCTION-WEST BOUND LANES
(LOOKING AHEAD ON SURVEY)



PHASE II CONSTRUCTION-EAST BOUND LANES
(LOOKING AHEAD ON SURVEY)

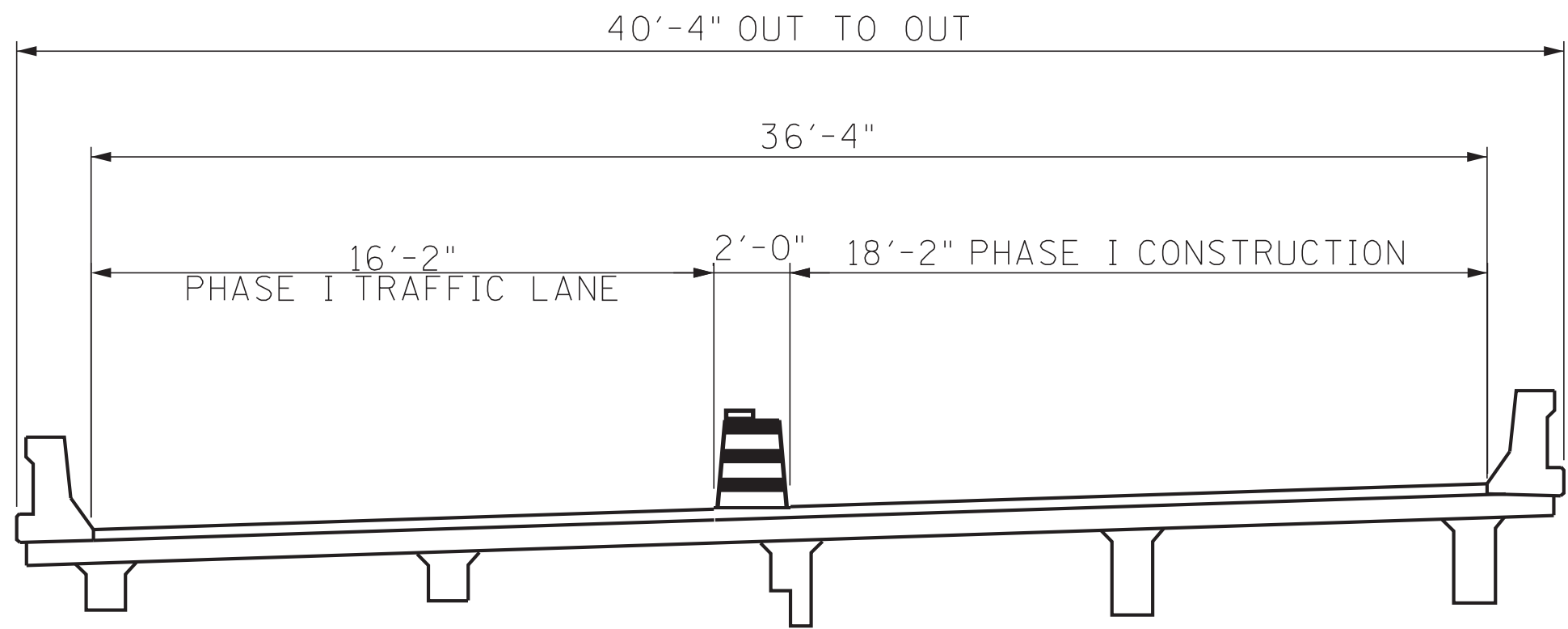
SEALED BY

BRIAN K. EGLI
REGISTERED ENGINEER
AGRICULTURE
STATE OF TENNESSEE
No. 107196
12/23/24

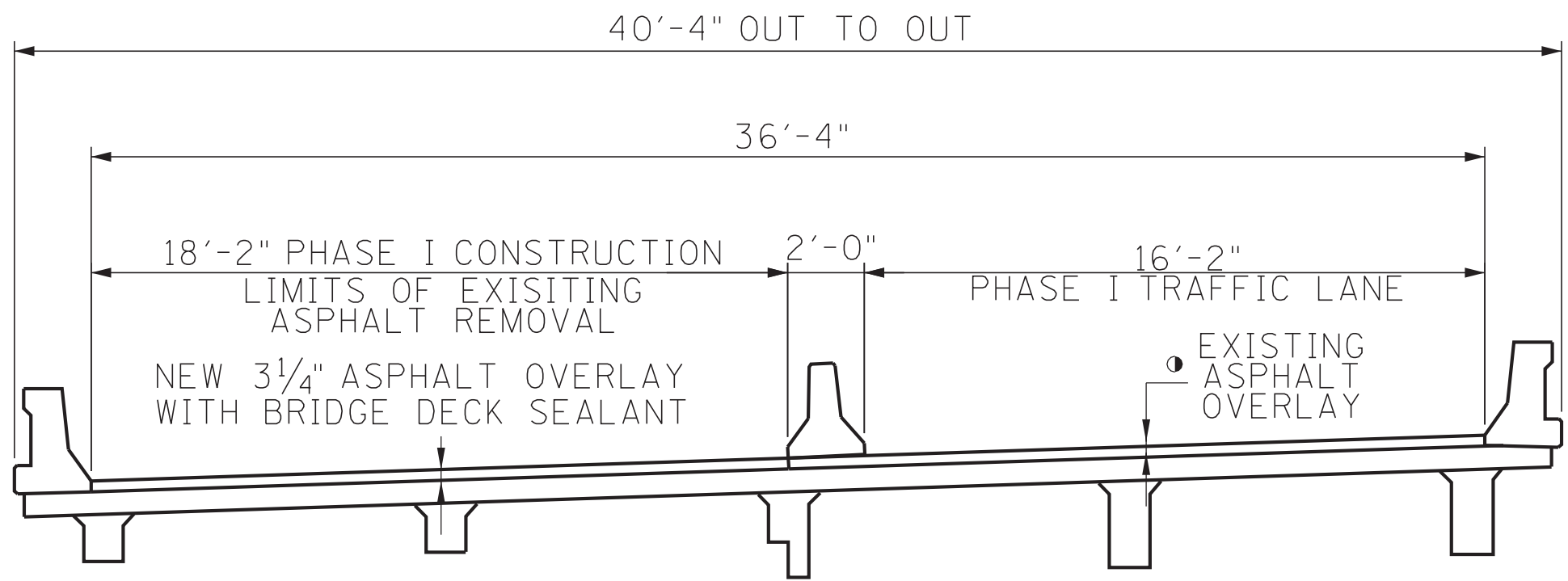
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PHASING
41-140-1.53 RT. & LT.
OVER
GARNER CREEK
HICKMAN COUNTY
2025

PIN NO.:	135014	DATE:	/ /
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DRAWN BY:	SILESHI ERGICHO	DATE:	10/24
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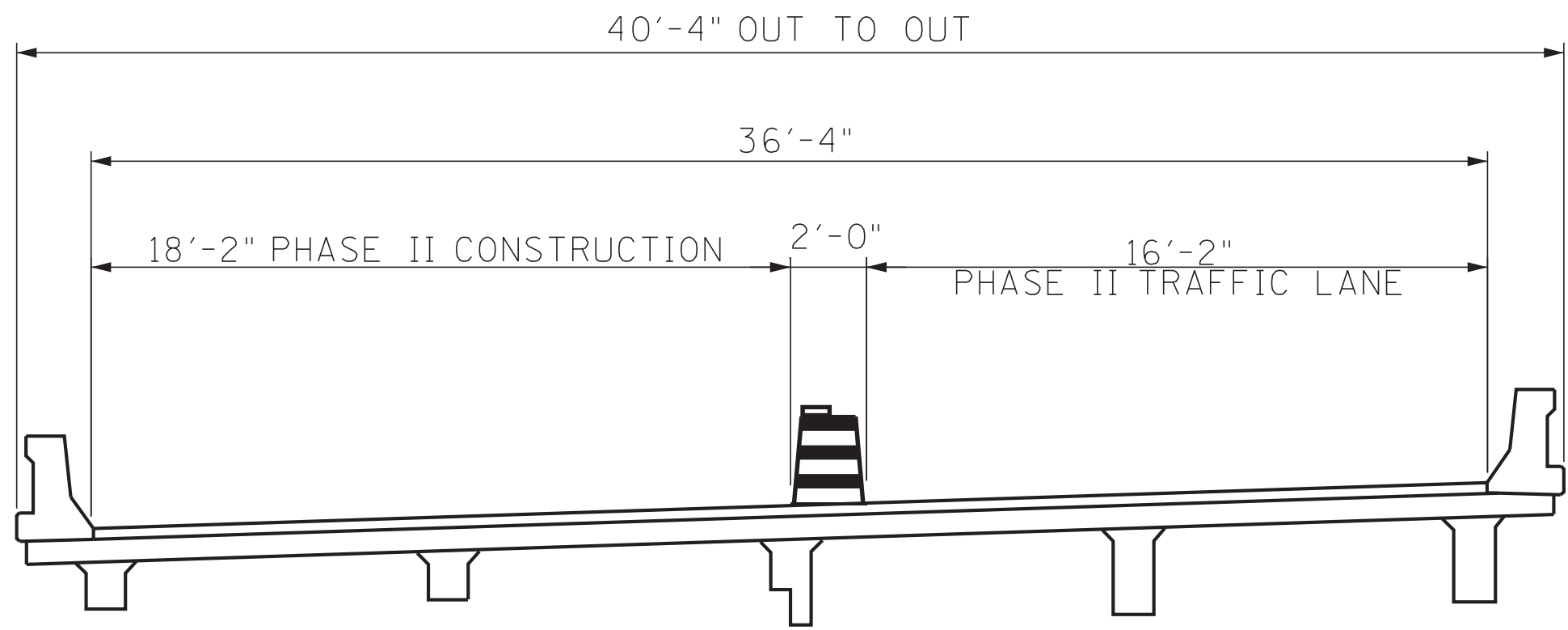
PROJECT NO.		YEAR	SHEET NO.
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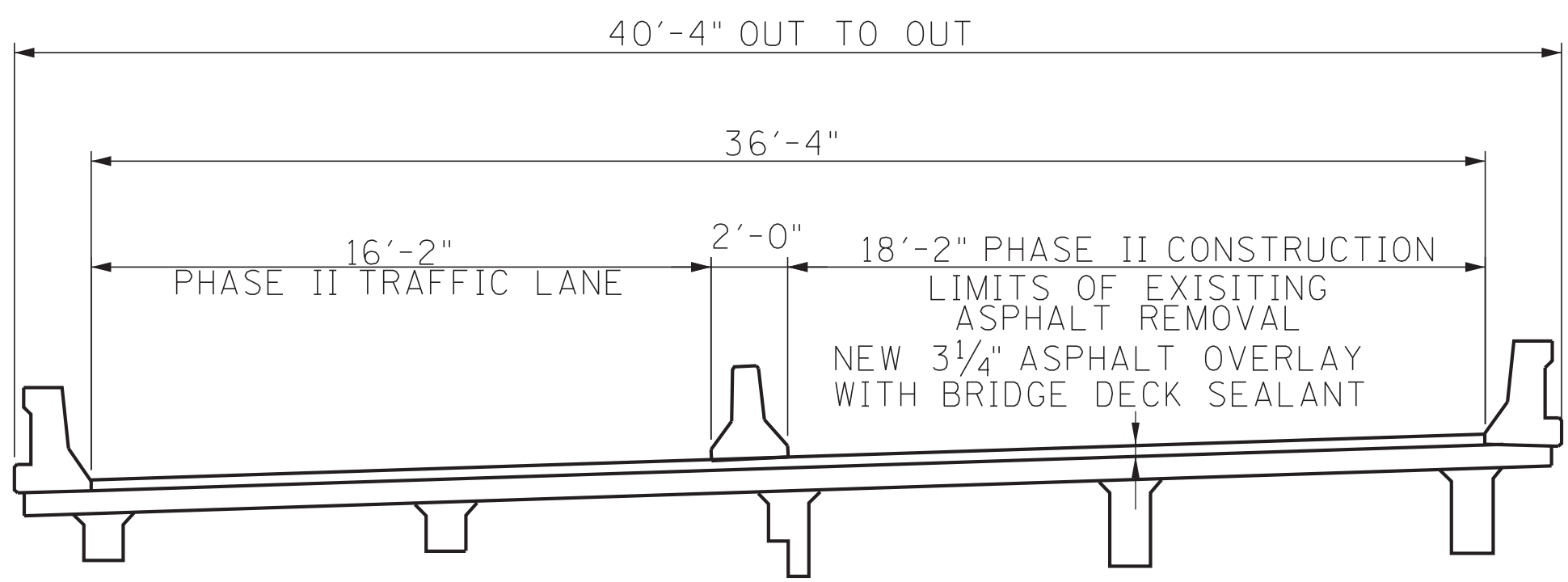
PHASE I CONSTRUCTION-WEST BOUND LANES
(LOOKING AHEAD ON SURVEY)



PHASE I CONSTRUCTION-EAST BOUND LANES
(LOOKING AHEAD ON SURVEY)

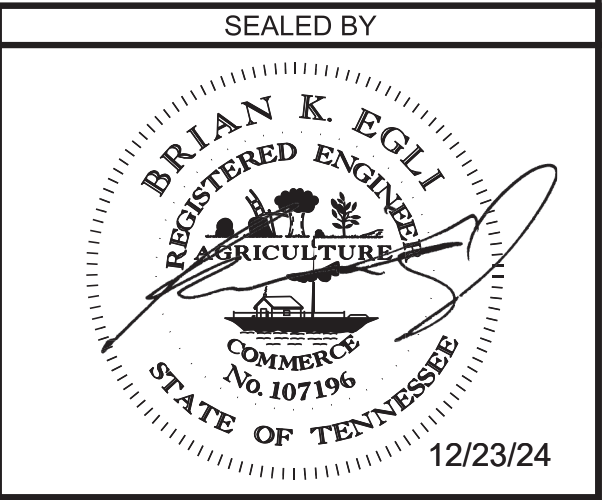


PHASE II CONSTRUCTION-WEST BOUND LANES
(LOOKING AHEAD ON SURVEY)



PHASE II CONSTRUCTION-EAST BOUND LANES
(LOOKING AHEAD ON SURVEY)

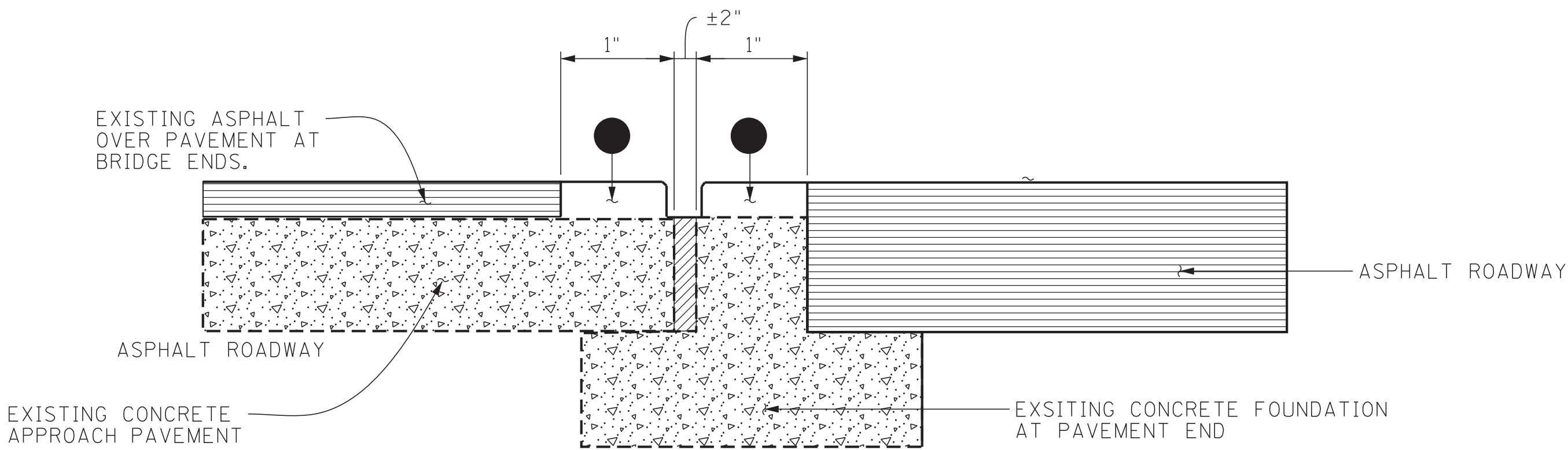
EXISTING ASPHALT AVERAGE APPROXIMATELY 4 3/4" ON 41-I40-1.63 RT.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PHASING
41-I40-1.63 RT. & LT.
OVER
GARNER CREEK ROAD
HICKMAN COUNTY
2025

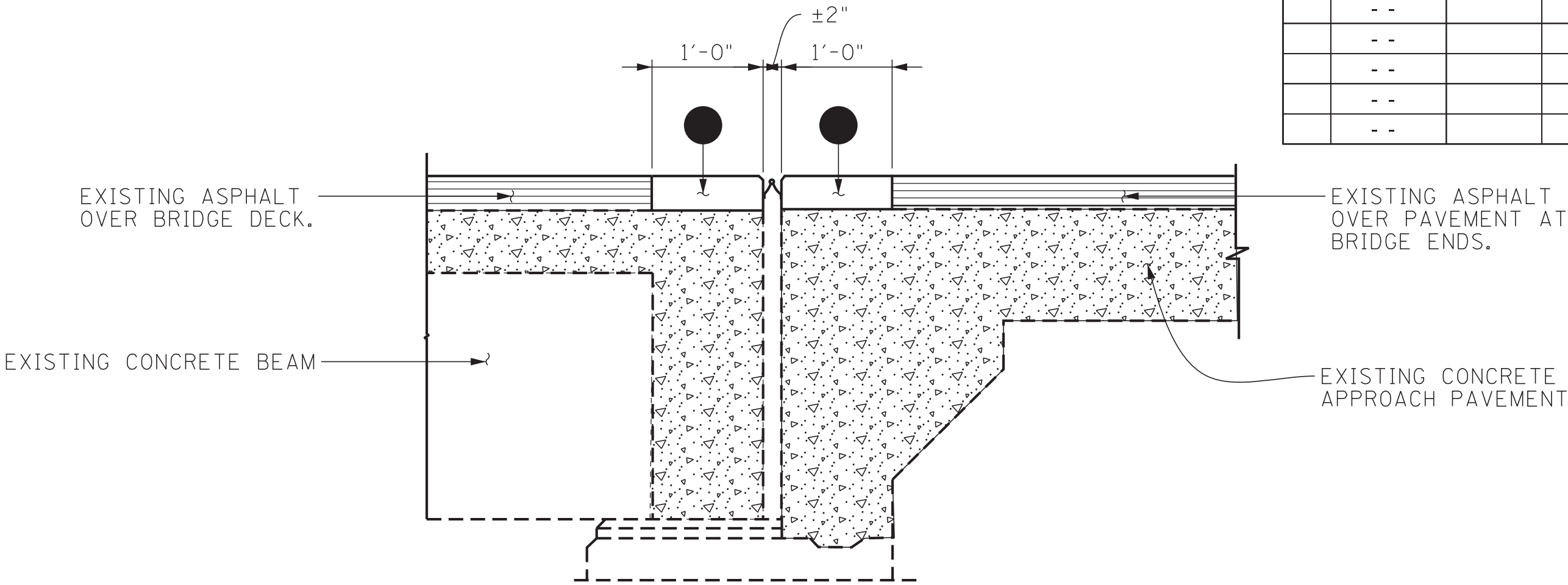
PIN NO.: 135014.00
DESIGN BY: SILESHI ERGICHO
DRAWN BY: KEVIN MARTINKO
SUPERVISED BY: KEVIN MARTINKO
CHECKED BY:
DATE: / /
DATE: 09/24
DATE: 09/24
DATE: / /

PROJECT NO.		YEAR		SHEET NO.	
41I040-M3-013		2025		B-8	
REVISIONS					
NO.	DATE	BY	BRIEF DESCRIPTION		
	- -				
	- -				
	- -				
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EXPANSION JOINT REPAIRS AT ENDS OF PAVEMENT
AT THE BRIDGE ENDS LOCATIONS
FOR BRIDGE NOS. 41-I40-1.53 RT. & LT.

(DETAIL SHOWN @ APPROACH PAVEMENT NO.1)
(FOR APPROACH PAVEMENT NO.2 OPPOSITE HAND,
OPPOSITE SIDE)



EXPANSION JOINT REPAIRS ABUTMENT 2 LOCATIONS
FOR BRIDGE NOS. 41-I40-1.63 RT. & LT.

● DENOTES:ELASTOMERIC CONCRETE HEADER (TYP.) FOR THE JOINT HEADER MATERIAL REFER TO THE TDOT QUALIFIED PRODUCTS LIST NO. 9.002

NOTE:EXISTING ASPHALT AVERAGES FOR BRIDGES 41-I40-1.53 RT.AND LT.OVER GARNER CREEK & 41-I40-1.63 LT.OVER GARNER CREEK ROAD
ON DECKS AND PAVEMENTS AT THE BRIDGE ENDS ±4",ON 41-I40-1.63 RT.OVER GARNER CREEK ROAD 4¾".

EXPANSION JOINT REPAIR NOTES:

THE JOINT HEADER SYSTEM SHALL BE FROM QPL 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 QPL 7.001 WITH AN APPROPRIATELY SIZED SEAL FOR THE JOINT OPENING, AND AN ELASTOMERIC CONCRETE FROM QPL 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 QPL 7.001 "ON A ROLL" AND "COMPRESSION ONLY" WILL NOT BE ALLOWED. THE TOP OF THE QPL 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.

AFTER PAVING AND SEALING OVER THE EXISTING EXPANSION JOINT,THE ASPHALT SHALL BE CUT OUT AS SHOWN IN THE NEW EXPANSION JOINT DETAIL.FOLLOWING THE REMOVAL OF THE ASPHALT AND EXISTING JOINT MATERIAL,ALL AREAS SHALL BE THOROUGHLY CLEANED OF FOREIGN MATERIAL FOR THE FULL DEPTH OF THE EXISTING JOINT OPENING.ABRASIVE BLAST CLEANING MUST BE PERFORMED ON ALL SURFACES RECEIVING ANY NEW MATERIAL FOR THE NEW EXPANSION JOINT SYSTEM.

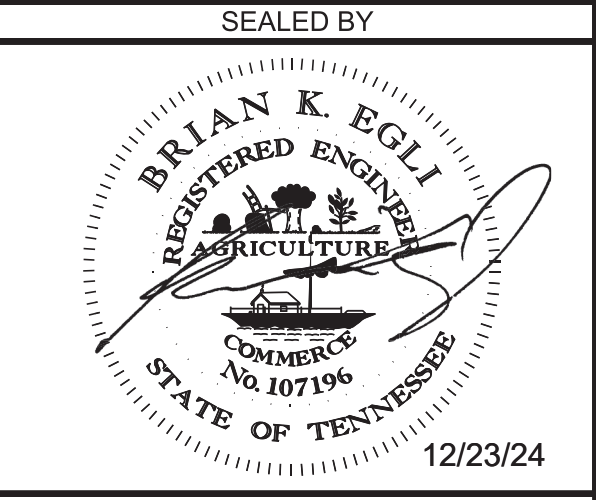
MANUFACTURERS SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO THE JOINT REPLACEMENT/REPAIR WORK. THE MANUFACTURER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORKMANSHIP OF THE JOINT INSTALLATION.

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.

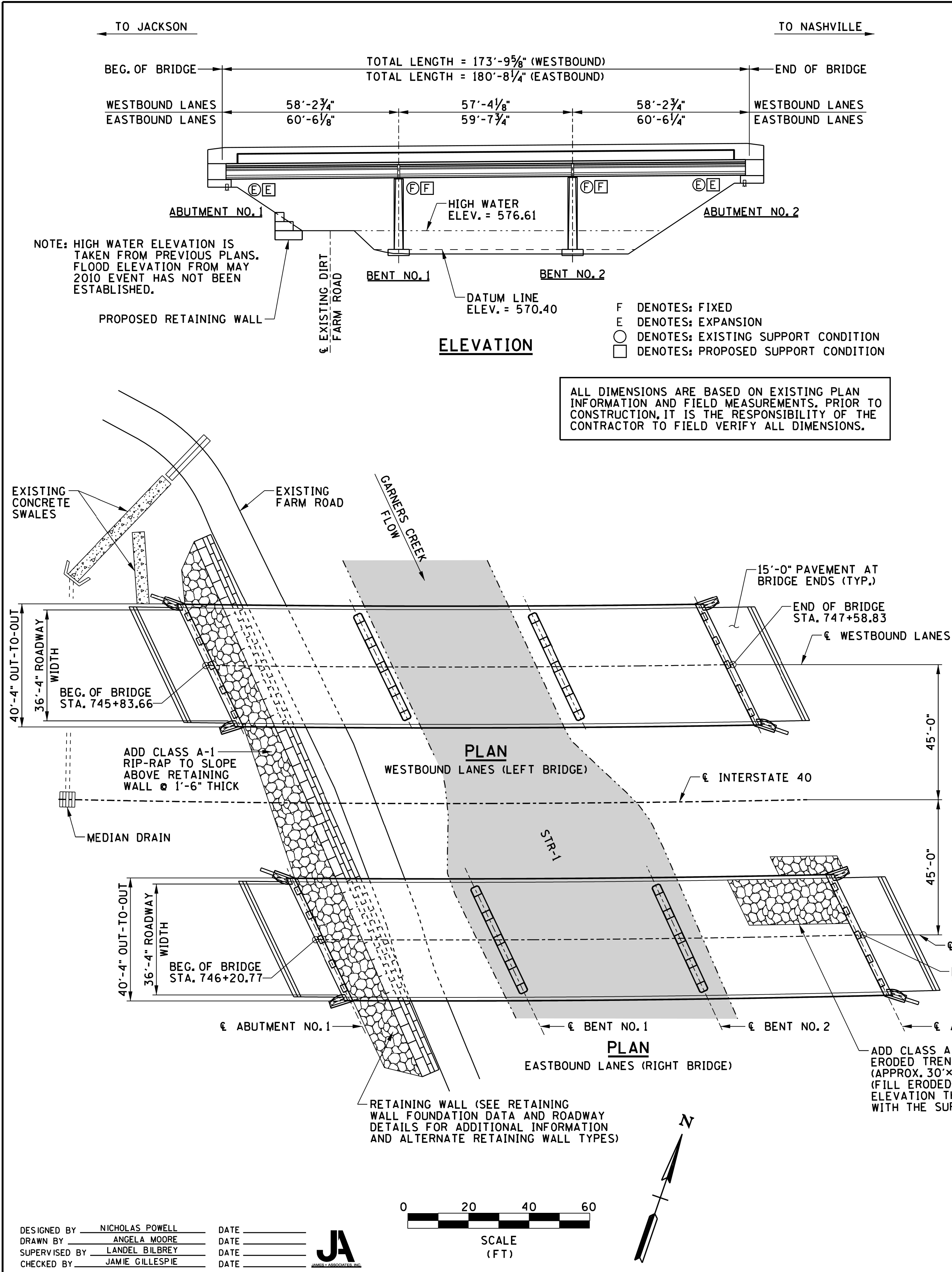
NOTE: ONLY BRIDGE NO.41-I40-1.63 RT.THE EXISTING ASPHALT TO BE REMOVED AND RECEIVE NEW ASPHALT.

NOTE:SEE SHEETS B4 & B5 FOR EXPANSION JOINT REPAIRS LOCATIONS.

PIN NO.:	135014.00
DESIGN BY:	DATE: / /
DRAWN BY:	DATE: 10/24
SUPERVISED BY:	DATE: 10/24
CHECKED BY:	DATE: / /



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
EXPANSION JOINT
REPAIRS DETAILS AND NOTES
41-I40-1.53 RT. & LT. OVER
GARNER CREEK
41-I40-1.63 RT. & LT.
GARNER CREEK ROAD
HICKMAN COUNTY
2025



SCOPE OF WORK

1. INSTALL TRAFFIC CONTROL TO PROVIDE ONE LANE OF TRAFFIC ON I-40 DURING CONSTRUCTION PHASES.
2. ADD RETAINING WALLS AT END SLOPES BESIDE DIRT ROAD NEAR WEST END OF LEFT AND RIGHT BRIDGES.
3. TRANSITION ASPHALT ROADWAY APPROACHES AS REQUIRED.
4. REMOVE EXISTING ASPHALT WEARING SURFACE FOR DECK REPAIR.
5. REPAIR BRIDGE DECK (PARTIAL AND FULL DEPTH REPAIRS) AND PROVIDE ASPHALT OVERLAY WITH MEMBRANE.
6. REPAIR OR REPLACE DAMAGED APPROACH GUARDRAIL WITH STANDARD APPURTENANCES.
7. REPLACE DAMAGED GUARDRAIL SECTIONS RUNNING BETWEEN SUBJECT BRIDGE AND I-40 BRIDGE OVER GARNERS CREEK ROAD.
8. REPAIR CONCRETE SPALLS ON PARAPETS, BENTS, AND ABUTMENTS.
9. REMOVE VEGETATION FROM CHANNEL, GROWTH AFFECTING SUBSTRUCTURE, AND FLOOD DEBRIS. NO IN-STREAM WORK PROPOSED.
10. COORDINATE WITH UTILITY OWNERS THAT AFFECT BRIDGE REPAIRS.
11. CLEAR DECK DRAINS.
12. CLEAN, PAINT AND PROTECT EXPOSED STEEL PILES WITH CONCRETE ENCASEMENT.
13. ADD 15 FOOT LONG P.A.B.E. TO ENDS OF EACH BRIDGE AND ALLOW EXPANSION AT FREE END OF P.A.B.E.
14. ADD RIP-RAP TO BADLY ERODED TRENCH AT END OF BRIDGE FILL SLOPE OF RIGHT LANE STRUCTURE.
15. REPLACE PAVEMENT REFLECTORS AFFECTED BY THE REPAVING OF THE APPROACHES.
16. PROVIDE TEMPORARY STONE CONSTRUCTION ACCESS ROAD AT SOUTHWEST CORNER OF RIGHT BRIDGE.

SPECIAL NOTES

1. THE STATE-LISTED ENDANGERED SPECIES, EGG-MIMIC DARTER (ETHEOSTOMA PSEUDOVULATUM), IS KNOWN TO OCCUR IN ADJACENT STREAMS WITHIN A FOUR MILE RADIUS OF THE PROJECT SITE.
2. IN THE EVENT THAT IN-STREAM WORK WILL OCCUR ON THIS PROJECT, THE TENNESSEE WILDLIFE RESOURCE AGENCY (TWRA) HAS INDICATED THAT THEY WILL REQUIRE THAT SWEEPS FOR THE EGG-MIMIC DARTER MUST BE CONDUCTED JUST PRIOR TO IN-STREAM CONSTRUCTION IN THE IMMEDIATE PROJECT CONSTRUCTION FOOTPRINT, AND THE FISH MUST BE RELOCATED UPSTREAM IN SUITABLE HABITAT.
3. MIGRATION BARRIERS MUST BE INSTALLED AND MAINTAINED THROUGHOUT THE IN-STREAM CONSTRUCTION PERIOD TO PREVENT FISH FROM RE-ENTERING THE CONSTRUCTION AREA.
4. TDOT BIOLOGISTS MUST BE NOTIFIED OF THE PRE-CONSTRUCTION MEETING IN ADVANCE SO THAT THEY CAN ARRANGE TO ATTEND.
5. TDOT BIOLOGISTS MUST BE CONTACTED AT LEAST TWO WEEKS BEFORE IN-STREAM CONSTRUCTION BEGINS IN GARNERS CREEK SO THEY CAN COORDINATE FISH SWEEPS.

LIST OF DRAWINGS

DWG. NO.	LAST REV. DATE	
LAYOUT OF BRIDGE TO BE REPAIRED (BR. NOS. 41-140-1,53LT & RT)	BR-111-19	12-19-12
ESTIMATED BRIDGE QUANTITIES AND MISC. DETAILS	BR-111-20	12-19-12
BRIDGE GENERAL AND SPECIAL NOTES	BR-111-21	10-3-12
PHASING (BR. NOS. 41-140-1,53LT & RT)	BR-111-22	10-3-12
ABUTMENT NOS. 1 AND 2 LT FOOTING DETAILS	BR-111-23	10-3-12
ABUTMENT NOS. 1 AND 2 RT FOOTING DETAILS	BR-111-24	10-3-12
DECK REPAIR DETAILS	BR-111-25	
CONCRETE REPAIRS - ABUTMENT NOS. 1 AND 2 LT	BR-111-26	
CONCRETE REPAIRS - BENT NO. 2 LT	BR-111-27	
CONCRETE REPAIRS - SLAB AND RAIL (LT LANE BRIDGE)	BR-111-28	
CONCRETE REPAIRS - ABUTMENT NOS. 1 AND 2 RT	BR-111-29	
CONCRETE REPAIRS - BENT NO. 1 RT	BR-111-30	
CONCRETE REPAIRS - BENT NO. 2 RT	BR-111-31	
CONCRETE REPAIRS - SLAB AND RAIL (RT LANE BRIDGE)	BR-111-32	
CONCRETE REPAIR DETAILS	BR-111-45	
BILL OF STEEL	BR-111-46	

LIST OF REFERENCE DRAWINGS

DWG. NO.	
EXISTING BRIDGE PLANS	K-31-41 THRU K-31-49
	K-15-60, H-5-110
	SBRM-2-124 THRU SBRM-2-126

LIST OF BRIDGE APPURTENANCES

DWG. NO.	LAST REV. DATE	
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	06-01-11
REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS	STD-9-1	10-07-08
DETAILS SHOWING GUARDRAIL ATTACHMENT AT BRIDGE ENDS		
TO EXISTING CONCRETE SLOPE FACE END POST - 1989	SBR-2-131	01-22-02
DETAILS SHOWING GUARDRAIL ATTACHMENT AT BRIDGE ENDS		
TO EXISTING CONCRETE SLOPE FACE END POST - 1989	SBR-2-132	01-04-96
STANDARD SHOWING DETAILS FOR ATTACHING NEW GUARDRAIL		
TO EXISTING END OF BRIDGE - 1992	SBR-2-137	11-05-01
STANDARD SHOWING DETAILS FOR ATTACHING NEW GUARDRAIL AT		
EXISTING BRIDGE END AND ALONG EXISTING BRIDGE RAIL - 1992	SBR-2-138	11-05-01
STANDARD SHOWING DETAILS FOR ATTACHING NEW GUARDRAIL		
ALONG EXISTING BRIDGE RAILS - 1992	SBR-2-140	11-05-01

LIST OF SPECIAL PROVISIONS

DWG. NO.	LAST REVISION DATE	DESCRIPTION
108B	**	PROJECT COMPLETION AND DISINCENTIVE
624	**	RETAINING WALLS

** DENOTES: CURRENT REVISION DATE AS PER CONTRACT DRAWINGS.

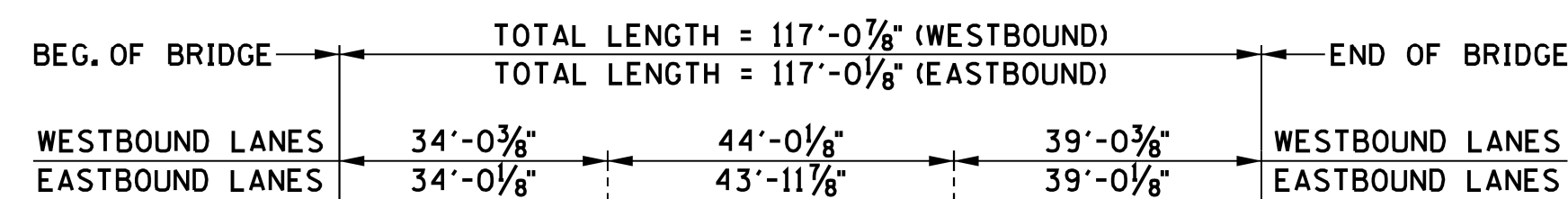
CONST. NO.	PROJECT NO.	YEAR	SHEET NO.
	41002-4113-04	2012	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	5-4-12	NBP	LATEST REVISION DATE
2	10-3-12	LKB	UPDATED NOTE 1 AND LATEST REVISION DATE
3	12-19-12	DWT	LATEST REVISION DATE



12/19/2012
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

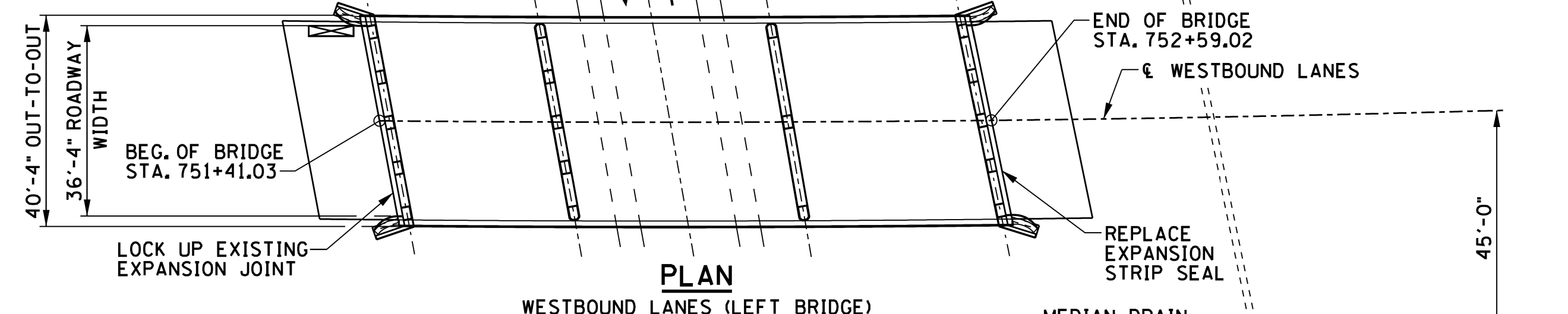
LAYOUT OF BRIDGE
TO BE REPAIRED

BRIDGE NOS. 41-140-1,53LT AND 41-140-1,53RT
INTERSTATE 40 OVER GARNERS CREEK
HICKMAN COUNTY
2012



F DENOTES: FIXED
E DENOTES: EXPANSION
○ DENOTES: EXISTING SUPPORT CONDITION
□ DENOTES: PROPOSED SUPPORT CONDITION

⊠ DENOTES: BRIDGE END DRAINS (2'-0" X 8'-7"),
COST OF BRIDGE END DRAINS SHALL
BE INCLUDED IN THE PRICE BID FOR
ITEM NO. 604-03.04, PAVEMENT AT
BRIDGE ENDS. S.Y.



1. INSTALL TRAFFIC CONTROL TO PROVIDE ONE LANE OF TRAFFIC ON I-40 DURING CONSTRUCTION PHASES.
2. TRANSITION ASPHALT ROADWAY APPROACHES AS REQUIRED.
3. REPLACE DAMAGED GUARDRAIL SECTIONS RUNNING BETWEEN SUBJECT BRIDGE AND I-40 BRIDGE OVER GARNERS CREEK.
4. REMOVE EXISTING ASPHALT WEARING SURFACE FOR DECK REPAIR.
5. REPLACE SAFETY FENCE BETWEEN LEFT AND RIGHT STRUCTURES AT BOTH ENDS.
6. REPAIR BRIDGE DECK (PARTIAL AND FULL DEPTH REPAIRS) AND PROVIDE ASPHALT OVERLAY WITH MEMBRANE.
7. REPLACE EXPANSION STRIP SEAL AT HIGH ABUTMENT AND ELIMINATE STRIP SEAL AT LOW ABUTMENT.
SEE SHEET 2F AND BR-III-35 FOR DETAILS.
8. ADD END OF BRIDGE DRAIN AT NORTHWEST CORNER OF LEFT BRIDGE.
9. ADD CONCRETE SWALE DRAINAGE SYSTEM AT NORTHEAST CORNER OF RIGHT BRIDGE TO CAPTURE AND DIVERT FLOW BACK TO MEDIAN DRAIN.
10. ADD 15 FOOT LONG P.A.B.E. (BOTH ENDS). MAKE P.A.B.E. 1'-0" WIDER AT NORTHEAST CORNER OF BRIDGE TO WORK IN CONJUNCTION WITH THE NEW CONCRETE DRAINAGE SWALE.
11. REPLACE PAVEMENT REFLECTORS AFFECTED BY THE REPAVING OF THE APPROACHES.
12. CONSTRUCT NEW GUARDRAIL AT BRIDGE ENDS WHERE REQUIRED.
13. REPAIR CONCRETE SPALLS ON PARAPETS, BENTS, AND ABUTMENTS.
14. FILL VOIDS WITH FLOWABLE FILL AT VARIOUS HOLES AROUND ABUTMENTS.
15. SOUND SLOPE PAVEMENT. WHERE VOIDS ARE DETECTED, DRILL AND GROUT WITH FLOWABLE FILL.
16. ADD UNDERPASS APPROACH AND SUBSTRUCTURE PROTECTION GUARDRAILS.
17. COORDINATE WITH UTILITY OWNERS THAT AFFECT BRIDGE REPAIRS.
18. CLEAR DECK DRAINS.
19. HAND TOOL CLEAN AND PAINT STEEL BEARINGS.

REVISIONS

1. CLIFF SWALLOW NESTS WERE DISCOVERED UNDERNEATH OF THE EXISTING BRIDGE OVER GARNERS CREEK ROAD AT LOG MILE 1.63. DISTURBANCE OF THE NESTS MUST BE PLANNED AROUND THE NESTING SEASON OF THESE BIRDS. NESTS CANNOT BE DISTURBED WHILE EGGS OR YOUNG ARE PRESENT IN THE NEST. THE APPROXIMATE DATE FOR NESTING ACTIVITIES TO BEGIN IS ABOUT 15 FEBRUARY. 15 JULY NOTE THAT THESE ARE APPROXIMATE DATES, AND NESTING COULD OCCUR EARLIER AND LAST UNTIL LATER.

<u>LIST OF DRAWINGS</u>	<u>DWG. NO.</u>	<u>LAST REV. DATE</u>	<u>1</u>	<u>2</u>
LAYOUT OF BRIDGE TO BE REPAIRED (BR NOS. 41-140-1.63LT & RT).....	BR-111-33	12-19-12		
PHASING (BR. NOS. 41-140-1.63LT & RT).....	BR-111-34	10-3-12		
SUPERSTRUCTURE - EXPANSION JOINT REPLACEMENT.....	BR-111-35	10-3-12		

<u>LIST OF REFERENCE DRAWINGS</u>	<u>DWG. NO.</u>
EXISTING BRIDGE PLANS	K-31-50 THRU K-31-56, K-15-60 BR-37-49, BR-37-51, BR-37-52 BR-65-96 THRU BR-65-101

<u>LIST OF BRIDGE APPURTENANCES</u>	<u>DWG. NO.</u>	<u>LAST REV. DATE</u>
BRIDGE RAILING CONCRETE PARAPET.....	STD-1-1.....	07-31-00
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS.....	STD-1-5.....	06-01-11
BRIDGE END DRAIN W/ PABE.....	STD-1-6.....	04-28-97
BRIDGE END DRAIN DETAILS 2'x8'x7" AND 4'x8'x7" WITH PAVEMENT AT BRIDGE ENDS.....	STD-1-7.....	07-31-00
BRIDGE END DRAIN 2'x8'x7" W/ PABE.....	STD-1-8.....	05-01-95
REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS.....	STD-9-1.....	10-07-08
GENERAL NOTES AND DETAILS FOR EXPANSION JOINT REPLACEMENT CONSTRUCTION TYPES "A" THRU "J" - 1991.....	SBR-2-115.....	01-04-96
GENERAL DETAILS FOR STRIP SEAL EXPANSION JOINT REPLACEMENT CONSTRUCTION DETAILS TYPES "A" THRU "J" - 1991.....	SBR-2-116.....	01-04-96
STRIP SEAL EXPANSION JOINT REPLACEMENT CONSTRUCTION DETAILS TYPE "E" AND "F" - 1991.....	SBR-2-119.....	05-30-96
DETAILS SHOWING GUARDRAIL ATTACHMENT AT BRIDGE ENDS TO EXISTING CONCRETE SLOPE FACE END POST - 1989.....	SBR-2-131.....	01-22-02
DETAILS SHOWING GUARDRAIL ATTACHMENT AT BRIDGE ENDS TO EXISTING CONCRETE SLOPE FACE END POST - 1989.....	SBR-2-132.....	01-04-96
STANDARD SHOWING DETAILS FOR ATTACHING NEW GUARDRAIL TO EXISTING END OF BRIDGE - 1992.....	SBR-2-137.....	11-05-01
STANDARD SHOWING DETAILS FOR ATTACHING NEW GUARDRAIL AT EXISTING BRIDGE END AND ALONG EXISTING BRIDGE RAIL - 1992.....	SBR-2-138.....	11-05-01
STANDARD SHOWING DETAILS FOR ATTACHING NEW GUARDRAIL ALONG EXISTING BRIDGE RAILS - 1992.....	SBR-2-140.....	11-05-01

LIST OF SPECIAL PROVISIONS		
DWG. NO.	LAST REVISION DATE	DESCRIPTION
108B	*****	PROJECT COMPLETION AND DISINCENTIVE

** DENOTES: CURRENT REVISION DATE AS PER CONTRACT DRAWINGS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NOS. 41-I40-1.63LT AND 41-I40-1.63RT
INTERSTATE 40 OVER GARNERS CREEK ROAD
HICKMAN COUNTY
2012

BR-111-33

JA
JAMES & ASSOCIATES, INC.

