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**Jason Ingram**  
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TENNESSEE DEPARTMENT OF TRANSPORTATION  
7512 VOLKSWAGEN DRIVE

CHATTANOOGA, TN  
JASON MARK INGRAM, P.E. NO. 114814

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
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2B
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D
ENVIRONMENTAL NOTES.....	2E
TABULATED QUANTITIES .....	2F
UTILITY NOTES AND UTILITY OWNERS.....	3

YEAR	PROJECT NO.	SHEET NO.
2025	STP/HSIP-108(107)	ROADWAY-SIGN1
	89S108-F8-004	
	89S108-F3-004	

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNATURE  
SHEET

Index Of Sheets  
SEE SHEET NO. 1A

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF ENGINEERING

WARREN COUNTY

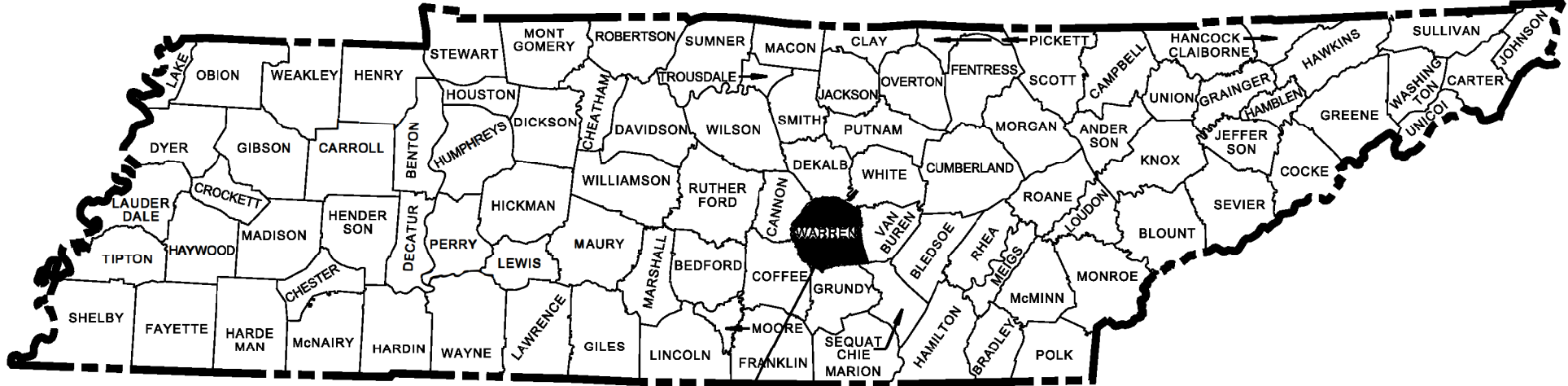
STATE ROUTE 108  
FROM NEAR SR-287 (LM 2.83)  
TO SOUTH CHANCERY STREET (LM 11.49)

RESURFACE & SAFETY  
MICRO-SURFACE, BRIDGE REPAIR, CONTRAST PAVEMENT MARKING, AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 108 F.A.H.S. NO. N/A

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

TENN.	YEAR 2025	SHEET NO. 1
FED. AID PROJ. NO.	STP/HSIP-108(107)	
STATE PROJ. NO.	89S108-F8-004, 89S108-F3-004	
BRIDGE	89S108-M3-003	



PROJECT LOCATION  
BRIDGE ID. # 89SR1080003 89SR1080005 89SR1080007  
89SR1080009 89SR1080011

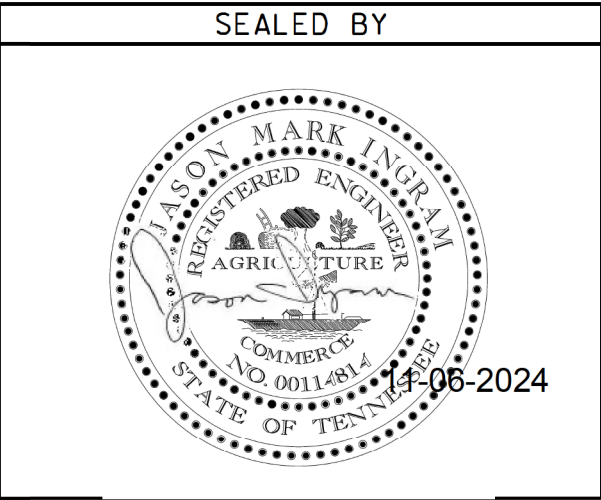


NO EXCLUSIONS

89S108-F3-004  
89S108-F8-004  
END PROJECT NO. STP/HSIP-108(107) RESURFACE & SAFETY  
LM 11.49

89S108-F8-004  
89S108-F3-004  
BEGIN PROJECT NO. STP/HSIP-108(107) RESURFACE & SAFETY  
LM 2.83

BRIDGE REPAIR PROJECT NO. 89S108-M3-003  
BIG HICKORY CREEK LM 3.94



APPROVED:   
WILL REID, CHIEF ENGINEER

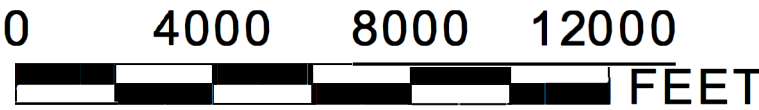
DATE: \_\_\_\_\_

APPROVED:   
HOWARD M. ELEY, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

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

SCALE: 1"= 4000'



TRAFFIC DATA	
ADT (2025)	2,980
POSTED SPEED	
LM 2.83 - LM 7.83	55 MPH
LM 7.83 - LM 10.96	45 MPH
LM 10.96 - LM 11.49	40 MPH

PROJECT LENGTH 8.66 MILES  
TOTAL LANE MILES RESURFACED 17.46 MILES

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 : ANDREW ZAZZARA, P.E.  
ENGINEER ON RECORD : JASON M. INGRAM, P.E.  
DESIGNER : DIANE EVITT CHECKED BY : LANDO SANTOS  
P.E. NO. 98023-4217-04  
PIN NO. 132878.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	1A
		89S108-F8-004	
		89S108-F3-004	

## ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
TITLE SHEET .....	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES .....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE .....	2B
GENERAL NOTES.....	2C
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UTILITY NOTES, AND UTILITY OWNERS.....	3
BRIDGE PLANS .....	B-1

NOTES:

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


NO PROJECT COMMITMENTS INCLUDED IN THIS SET OF PLANS.

NO SHEET 2A SERIES INCLUDED IN THIS SET OF PLANS.

## STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
<b>10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS</b>		
RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
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
<b>10-108.00 DESIGN - TRAFFIC CONTROL</b>		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-07-23	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS, AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS

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DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX  
AND  
STANDARD  
ROADWAY  
DRAWINGS


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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	2
		89S108-F8-004	
		89S108-F3-004	

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 89S108-F8-004	QUANTITY 89S108-F3-004	TOTAL QUANTITY
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	17.3		17.3
(2)	403-01.01 BITUMINOUS MATERIAL FOR TACK COAT (MICRO-SURFACING)	TON	16		16
(3)	403-01.10 HIGH PERFORMANCE FOG SEALS	S.Y.	27745		27745
	414-03.01 EMULS IFIED ASPHALT FOR MICRO-SURFACING	TON	153		153
	414-03.02 AGGREGATE FOR MICRO SURFACING	TON	1268		1268
(4)	705-04.22 GUARDRAIL DELINEATION ENHANCEMENT (BI-DIRECTIONAL)	EACH		11	11
	712-01 TRAFFIC CONTROL	LS	1		1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	150		150
(5)	712-06 SIGNS (CONSTRUCTION)	S.F.	530		530
(6)	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	4		4
	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	587		587
(7)	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	587		587
(8)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		484	484
(8)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		1	1
(8)	716-04.12 PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.		42	42
(9)	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	14.8		14.8
(10)	716-08.02 REMOVAL OF PAVEMENT MARKING (8" BARRIER LINE)	L.F.	192		192
(10)	716-08.06 REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	EACH	1		1
(10)	716-08.09 REMOVAL OF PAVEMENT MARKING (DOTTED LINE)	L.F.	1627		1627
(10)	716-08.11 REMOVAL OF WORD PAVEMENT MARKING (YIELD LINE)	EACH	2		2
(10)	716-08.20 REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	16.8		16.8
(11)	716-08.30 HYDROBLAST REMOVAL OF PAVEMENT MARKING (LINE)	L.M.		0.3	0.3
(11)	716-09.86 CONTRAST PAVEMENT MARKING 6"	L.M.		0.3	0.3
(12)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	32.1		32.1
(12)	716-12.03 ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	192		192
(12)(13)	716-12.05 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	543		543
	717-01 MOBILIZATION	LS	1		1

FOOTNOTES	
(1)	INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK.
(2)	NO PAYMENT WILL BE MADE DIRECTLY FOR THE WATER REQUIRED TO DILUTE THE TACK COAT.
(3)	INCLUDES 3626 SY FOR ADDITIONAL FOG SEALING AS DIRECTED BY THE TDOT PROJECT ENGINEER. SEE SHEETS 2B AND 2F FOR DETAILS AND TABULATION.
(4)	QUANTITY FOR REPLACING MISSING OR DAMAGED "BUTTERFLY TYPE" DELINEATORS FROM LM 2.838 TO LM 2.851. ALSO INCLUDES ALL COSTS ASSOCIATED WITH REMOVAL OF EXISTING DELINEATORS FROM END TERMINALS AS DIRECTED BY THE TDOT PROJECT ENGINEER.
(5)	SEE SHEET 2F FOR TABULATION.
(6)	INCLUDES 2 MESSAGE BOARDS TO BE PLACED ON SR-55, ONE ON SR-287 AND ONE ON SR-127.
(7)	REMOVED SPMS TO BECOME PROPERTY OF THE CONTRACTOR. INCLUDES ALL COST ASSOCIATED WITH REMOVAL AND PROPER DISPOSAL.
(8)	CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(9)	ITEM FOR TEMPORARY PAVEMENT MARKING AS DIRECTED BY THE TDOT PROJECT ENGINEER.
(10)	EXISTING PAVEMENT MARKINGS INSIDE THE AREA TO RECEIVE MICRO-SURFACING SHALL BE REMOVED FLUSH WITH EXISTING SURFACE AS DIRECTED BY THE TDOT PROJECT ENGINEER.
(11)	ITEM FOR REPLACING EXISTING PAVEMENT MARKING ON CONCRETE AT BIG HICKORY CREEK BRIDGE FROM LM 3.93 TO LM 3.997.
(12)	CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.
(13)	QUANTITY BASED ON 2' DASH WITH 4' GAP TO REPLACE 6" DOTTED WHITE EDGELINE AND 6" DOUBLE DOTTED YELLOW CENTERLINE AT McCORKLE HOLLOW ROAD (LM 8.273), NEWMAN STATION (LM 8.562), AND SHELLSFORD ROAD (SR-127) (LM 9.638).

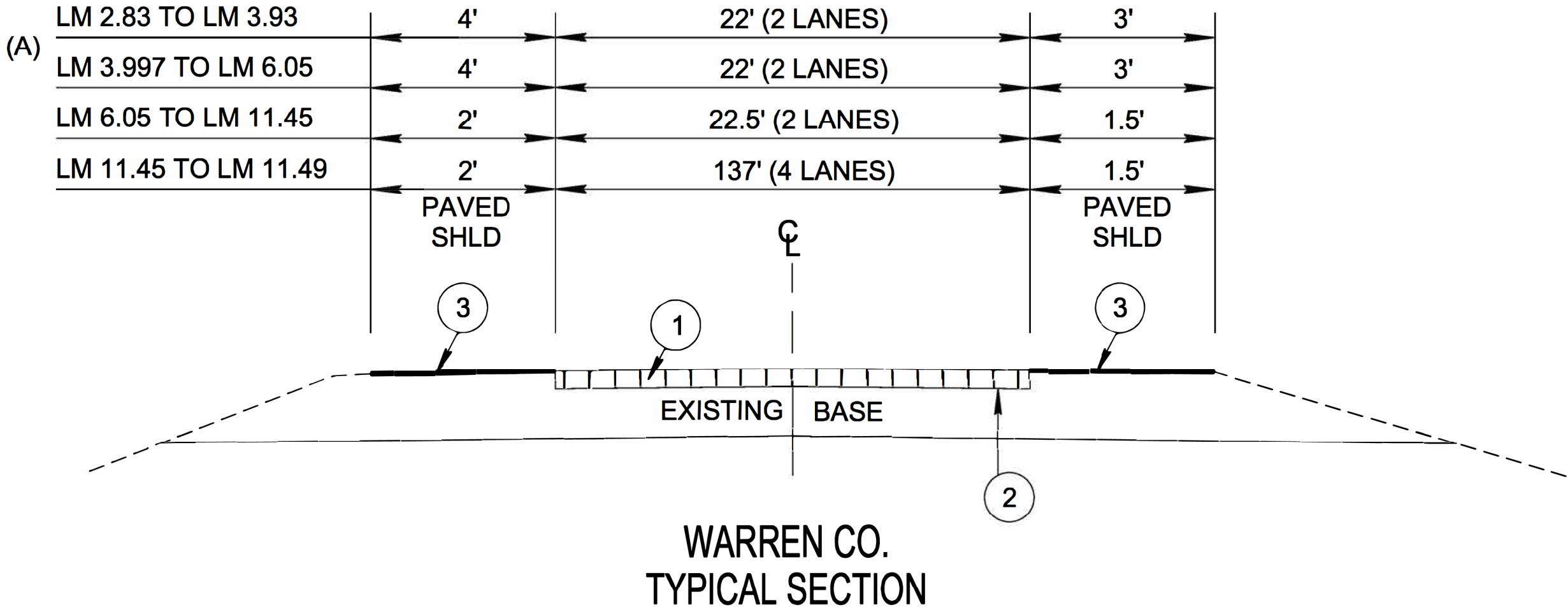
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES

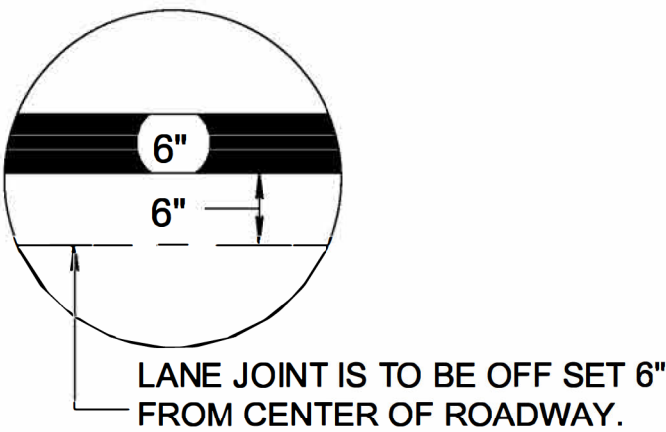
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	2B
		89S108-F8-004	
		89S108-F3-004	



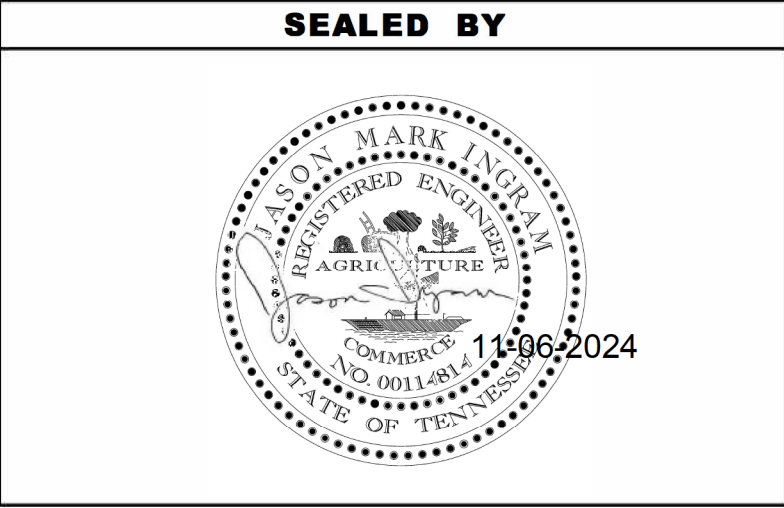
PROPOSED PAVEMENT SCHEDULE	
①	MICRO-SURFACING @ 0.5 " THICK (APPROX. 22 LB./S.Y.) 414-03.01 EMULSIFIED ASPHALT FOR MICRO-SURFACING @ 12% OF THE DRY WEIGHT OF AGGREGATE 414-03.02 AGGREGATE FOR MICRO-SURFACING @ 22 LBS/S.Y.
②	TACK COAT (MICRO-SURFACING) @ 0.10 TO 0.15 GAL./S.Y. 403-01.01 BITUMINOUS MATERIAL FOR TACK COAT (TC) FOR MICRO-SURFACING, TON
③	HIGH PERFORMANCE FOG SEAL (SHOULDERS) 403-01.10 HIGH PERFORMANCE FOG SEALS @ 0.10 TO 0.15 GAL./S.Y. , S.Y.

ADDITIONAL FOG SEAL LOCATIONS			
LOG MILE TO LOG MILE		LT / RT	WIDTH
8.122	8.355	LT	8.0
8.122	8.355	RT	7.5
8.776	8.878	LT	6.0
8.776	8.878	RT	7.5
9.00	9.050	LT	6.0
9.637	9.675	RT	6.0
10.100	10.155	LT	12.0

SEE SHEET 2F FOR TABULATED QUANTITY



NOTES	
(A)	EXCLUDE MICRO-SURFACE / FOG SEALING FROM LM 3.93 TO LM 3.997 BIG HICKORY CREEK BRIDGE REPAIR - REPLACE BRIDGE JOINTS. HYDROBLAST EXISTING MARKINGS FROM CONCRETE SURFACE AND RESTRIPE WITH CONTRAST MARKINGS.
(B)	ALL EXISTING PAVEMENT MARKINGS (INCLUDING SPECIALTY MARKINGS) WITHIN AREA RECEIVING MICRO-SURFACE SHALL BE REMOVED AS DIRECTED BY THE TDOT PROJECT ENGINEER.
(C)	MICRO-SURFACE SHALL BE PLACED FROM INSIDE EDGE LINE TO INSIDE EDGE LINE.
(D)	SIDE ROADS AND DRIVEWAYS ARE NOT TO RECEIVE MICRO-SURFACING. RESTRIPE EXISTING MARKINGS TO BACK OF SIDE ROAD RADII (INCLUDING STOP LINES).
(E)	FOG SEALING SHOULDERS SHALL BE COMPLETE BEFORE APPLYING PERMANENT EDGELINE STRIPING.
(F)	REMOVE ALL EXISTING "BUTTERFLY TYPE" DELINEATORS FROM END TERMINALS AS DIRECTED BY THE TDOT PROJECT ENGINEER. ALL COST ASSOCIATED WITH REMOVAL TO BE INCLUDED IN ITEM 705-04.22.



STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	2C
		89S108-F8-004	
		89S108-F3-004	

GENERAL NOTES

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

FINAL PAVEMENT MARKING

- (5)THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

a.SHOULDERS SHALL BE BROOMED AND DE-GRASSED AND MATERIAL SHALL BE PICKED UP AND REMOVED. THIS WILL BE PAID FOR UNDER ITEM NO. 208-01.05.

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

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

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

PAVEMENT

PAVING

- (1)THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE DIRECTION OF TRAFFIC.

RESURFACING


- (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.

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES

SPECIAL NOTES

TRAFFIC CONTROL

- (1)

THE CONTRACTOR SHALL MAKE PROVISIONS TO SAFELY CONTROL TRAFFIC INGRESS AT ALL ROADWAY ENTRANCES WITHIN THE FLAGGED WORK ZONE TO THE SATISFACTION OF THE TDOT PROJECT ENGINEER, ALL COST ASSOCIATED WITH THE CONTROLS WILL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL.
- (2)

EXISTING CONSTRUCTION, REGULATORY AND WARNING SIGNS WHICH CONFLICT WITH THE CONSTRUCTION SIGNING SHALL BE REMOVED DURING CONSTRUCTION AND REINSTALLED AS DIRECTED BY THE TDOT PROJECT ENGINEER. ALL COSTS TO BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-01, TRAFFIC CONTROL, PER LUMP SUM.
- (3)

THE CONTRACTOR SHALL GIVE THE TDOT PROJECT ENGINEER A MINIMUM OF SEVEN (7) DAYS NOTICE PRIOR TO STARTING WORK SO THAT SUFFICIENT NOTICE CAN BE PREPARED AND DISTRIBUTED TO THE MEDIA.
- (4)

IMMEDIATELY UPON COMPLETION OF EACH CONSTRUCTION PHASE, ALL TRAFFIC CONTROL ITEMS THAT ARE NOT NECESSARY FOR THE SUCCEEDING PHASE SHALL BE REMOVED, COVERED OR TURNED TO FACE AWAY FROM TRAFFIC.
- (5)

THE CONTRACTOR SHALL PROVIDE FLAGGER AT EACH SIDEROAD WITHIN THE PAVING OPERATION.
- (6)

CHANGEABLE MESSAGE SIGNS UNITS (ITEM NO. 713-16.01) WILL BE REQUIRED ON THIS PROJECT. THE SIGNS WILL BE USED FOR ADVANCED WARNING OR AS DIRECTED BY THE ENGINEER.
- (7)

MESSAGE BOARDS SHALL BE DISPLAYED A MINIMUM OF SEVEN (7) DAYS PRIOR TO STARTING WORK TO INFORM PUBLIC OF UPCOMING CONSTRUCTION PROJECT.
- (8)

PRIOR TO DISPLAYING MESSAGES ON CHANGEABLE MESSAGE BOARDS, ALL MESSAGES SHALL BE APPROVED BY THE TDOT PROJECT ENGINEER AND REGION 2 TRAFFIC ENGINEER.
- (9)

INFORMATION ON CHANGEABLE MESSAGE BOARDS SHALL BE UPDATED TO REFLECT CURRENT CONSTRUCTION CONDITIONS ACTIVITIES AT ALL TIMES.

LANE CLOSURES

- (1)

THE RESTRICTION OF TRAFFIC TO ONE LANE SHALL NOT EXCEED A TWO (2) MILE PAVING OPERATION OR AS DIRECTED BY THE TDOT PROJECT ENGINEER.
- (2)

THE CONTRACTOR SHALL KEEP ALL TRAFFIC LANES OPEN TO TRAFFIC DURING NON-WORKING HOURS AND/OR NON-WORK DAYS.
- (3)

OVERNIGHT LANE CLOSURES WILL NOT BE ALLOWED UNLESS DIRECTED BY THE TDOT PROJECT ENGINEER.
- (4)

THE CONTRACTOR SHALL NOT BE ALLOWED TO INTERRUPT TRAFFIC FLOW AND SHALL MAINTAIN ALL LANES OF TRAFFIC IN EACH DIRECTION ON THE FOLLOWING DAYS:

A.

OFFICIAL STATE HOLIDAYS.

B.

FRIDAY AT 6:00 PM UNTIL TUESDAY AT 7:00 AM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON MONDAY.

C.

THURSDAY AT 6:00 PM UNTIL MONDAY AT 7:00 AM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON FRIDAY.

D.

THE SATURDAY BEFORE JULY 4<sup>TH</sup> AS DIRECTED BY THE TDOT PROJECT ENGINEER, DURING THE VIOLA FESTIVAL.

E.

DURING LOCAL FESTIVALS, GAMES OR EVENTS THAT COULD BE IMPEDED BY THE PAVING OPERATIONS WHERE AND AS DIRECTED BY THE TDOT PROJECT ENGINEER.

PAVING

- (1)

ALL SURPLUS PATCHING AND JOINT MATERIAL IS TO BE REMOVED BEFORE PLACING TACK COAT AND SURFACE. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (2)

ALL DRAINS ACROSS BRIDGES NEED TO BE CHECKED AND CLEANED AFTER PAVING IS COMPLETE. COST TO BE INCLUDED IN OTHER ITEMS.
- (3)

ANY QUANTITY REMAINING ON ITEMS COMPLETED PRIOR TO THE PAVING OPERATION WILL NOT BE CONVERTED TO ADDITIONAL ASPHALT FOR THE ROADWAY.

PAVEMENT MARKING

- (1)

THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL PAVEMENT MARKING. ANY CHANGE FROM THE EXISTING PAVEMENT MARKINGS MUST BE APPROVED BY THE REGION 2 TRAFFIC ENGINEER.
- (2)

EXISTING PAVEMENT MARKINGS IN THE SIDE ROAD RADII SHALL BE RETRACED AS DIRECTED BY THE TDOT PROJECT ENGINEER DURING FINAL STRIPING.
- (3)

THE EXISTING PAVEMENT MARKING BETWEEN THE EDGE LINES (LANE LINES AND SPECIALTY PAVEMENT MARKINGS) SHALL BE REMOVED FLUSH WITH EXISTING SURFACE BEFORE APPLYING TACK COAT
- (4)

NEW EDGE LINES SHALL BE RETRACED OVER THE EXISTING LINES ONCE THE FOG SEALING SHOULDER WORK IS COMPLETED USING 716-12.02.

FOG SEALING SHOULDERS

- (1)

THE CONTRACTOR SHALL USE HIGH PERFORMANCE (HP) FOG SEAL FROM QUALIFIED PRODUCTS LIST QPL.40.001.
- (2)

FINAL EDGE LINE STRIPING SHALL NOT BE APPLIED UNTIL HP FOG SEAL APPLICATION HAS BEEN COMPLETED.

MISCELLANEOUS

- (1)

ALL SAFETY IMPROVEMENTS TO BE PAID FOR UNDER PROJECT NUMBER: STP/HSIP-108(107), 89S108-F3-004

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	2D
		89S108-F8-004	
		89S108-F3-004	

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SPECIAL  
NOTES

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# ENVIRONMENTAL NOTES

## ENVIRONMENTAL GENERAL NOTES

### NATURAL RESOURCES

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

### SPECIES

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

### PERMITS, PLANS & RECORDS

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

## ENVIRONMENTAL SPECIAL NOTES

### ENVIRONMENTAL

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

### SCOPE OF WORK

- (6) MICRO-SURFACE, AND PAVEMENT MARKINGS.

## EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

### DISTURBED AREA

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

### SEDIMENT CONTROL

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

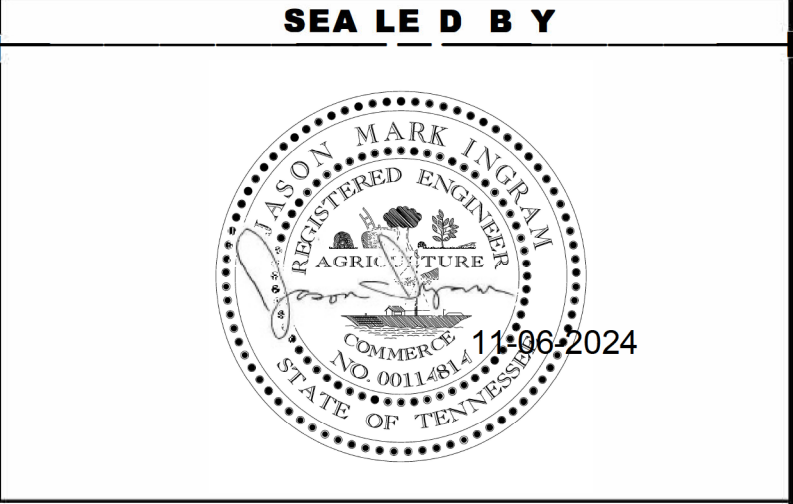
## GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

- (29) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.
- (30) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.
- (31) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- (32) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
- (33) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
- (34) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
- (35) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (38) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (40) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

## SPILL PREVENTION, MANAGEMENT & NOTIFICATION

- (44) ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE AND SPILLS.
- (45) FOR ALL HAZARDOUS MATERIALS STORED ONSITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED. SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- (46) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ONSITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
- (47) ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- (48) THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- (49) IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION SHALL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR SHALL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- (50) FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- (51) IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.
- (52) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.
- (53) CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ONSITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE CONTAINERS WITH A COMBINED CAPACITY OF 1320 GALLONS OR MORE SHALL HAVE SECONDARY CONTAINMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THE BULK STORAGE AND BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ONSITE AND A COPY PROVIDED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO STORING 1320 GALLONS ON SITE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	2E
		89S108-F8-004	
		89S108-F3-004	



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL  
NOTES

ADDITIONAL FOG SEAL (ITEM 403-01.10)				
LM TO LM		LT / RT	WIDTH (FT)	AREA S.Y.
8.122	8.355	LT	8.0	1094
8.122	8.355	RT	7.5	1026
8.776	8.878	LT	6.0	359
8.776	8.878	RT	7.5	449
9.00	9.050	LT	6.0	176
9.637	9.675	RT	6.0	134
10.100	10.155	LT	12.0	388
TOTAL				3626

UTILITY ADJUSTMENTS (RESURFACING)

NO UTILITY ADJUSTMENTS INCLUDED IN THIS PROJECT.

STORM DRAIN ADJUSTMENTS (RESURFACING)

NO STORM DRAIN ADJUSTMENTS INCLUDED IN THIS PROJECT.

PROPOSED GUARDRAIL (RESURFACING)

NO PROPOSED GUARDRAIL INCLUDED IN THIS PROJECT.

TRAFFIC CONTROL SIGN TABULATION (RESURFACING)					
M.U.T.C.D. SIGN NO.	LEGEND \ DESCRIPTION	SIZE IN INCHES		S.F.	TOTAL NUMBER REQUIRED
		L	x W		
G20-1	ROAD WORK NEXT 7 MILES	36"	18"	5	2
G20-2	END ROAD WORK	36"	18"	5	27
W3-4	BE PREPARED TO STOP	36"	36"	9	2
* W16-18P	"ON SR-108" PLAQUE	24"	30"	5	6
W20-1	ROAD WORK AHEAD	36"	36"	9	24
W20-1	ROAD WORK 1 MILE	36"	36"	9	3
W20-1	ROAD WORK 1/2 MILE	36"	36"	9	3
W20-1	ROAD WORK 1000 FT	36"	36"	9	3
W20-4	ONE LANE ROAD AHEAD	36"	36"	9	2
W20-7	FLAGGER	36"	36"	9	2
W21-2	FRESH OIL	36"	36"	9	2
				TOTAL	530

\* TO BE MOUNTED WITH ADVANCED RW SIGNS ON S. CHANCERY ST. (SR-55. )

SEE FIGURE 6F-1 OF FIGURES SHOWN IN CURRENT M.U.T.C.D. THIS CONSTRUCTION SIGNING IS TO BE CONSTRUCTED AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

BRIDGE DECK RECOMMENDATIONS (RESURFACING)

BRIDGE NUMBER	LOG MILE	CROSSES OVER/UNDER	BRIDGE LENGTH	BRIDGE DECK RECOMMENDATIONS
89SR1080003 89-SR108-3.94 B-12-81 BR-79-19	3.940	BIG HICKORY CREEK	308'	REPLACE BRIDGE JOINTS (SEE BRIDGE SHEETS)
89SR1080005 89-SR108-5.67	5.670	BRANCH 2 @ 10' x 6' CONCRETE CULVERT	20.9'	PAVE WITH PLANS MIX / TREATMENT TYPE
89SR1080007 89-SR108-6.94	6.940	BRANCH 2 @ 10' x 6' CONCRETE CULVERT	221'	PAVE WITH PLANS MIX / TREATMENT TYPE
89SR1080009 89-SR108-8.23	8.230	LOCKE BRANCH 2 @ 12' x 12' CONCRETE CULVERT	39.5'	PAVE WITH PLANS MIX / TREATMENT TYPE
89SR1080011 89-SR108-9.23	9.230	DRY BRANCH 2 @ 10' x 6' CONCRETE CULVERT	22.5'	PAVE WITH PLANS MIX / TREATMENT TYPE

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	2F
		89S108-F8-004	
		89S108-F3-004	



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TABULATED  
QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2025	STP/HSIP-108(107)	3
		89S108-F8-004	
		89S108-F3-004	

UTILITY

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER “THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT”, THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (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

**CATV/ Fiber:**  
**Charter Communications**  
851 S. Willow Avenue, Suite 206  
Cookeville TN 38501  
CONTACT: Morgan Wilcher  
OFFICE PHONE: \_\_\_\_ \_\_\_\_ \_\_\_\_  
Email: Morgan.Wilcher@charter.com

**FIBER OPTICS:**  
**VolFirst**  
PO Box 670  
McMinnville TN 37111  
CONTACT: Richard Boyd  
OFFICE PHONE: 931 668 6692  
Email: richardboyd@benlomand.org


**SEWER & WATER:**  
**McMinnville, City of**  
PO Box 7088  
McMinnville TN 37111  
CONTACT: Ryle Chastain  
OFFICE PHONE: 931 473 1200  
Email: mayor@mcminnvilletn.gov

**ELECTRIC:**  
**Caney Fork Electric Cooperative, Inc.**  
PO Box 272  
McMinnville TN 37111  
CONTACT: Michael Millraney  
OFFICE PHONE: 931 414 6730  
Email: mmillraney@caneyforkec.com

**GAS:**  
**Middle Tennessee Natural Gas**  
PO Box 670  
Smithville TN 37166  
CONTACT: Matt Stennett  
OFFICE PHONE: 931 754 3515  
Email: mstennett@mtng.com

**SEWER & WATER:**  
**West Warren-Viola Utility District**  
PO Box 218  
Morrison TN 37357  
CONTACT: Kelle Cantrell  
OFFICE PHONE: 931 635 2762  
Email: wwwud@wwwudtn.com

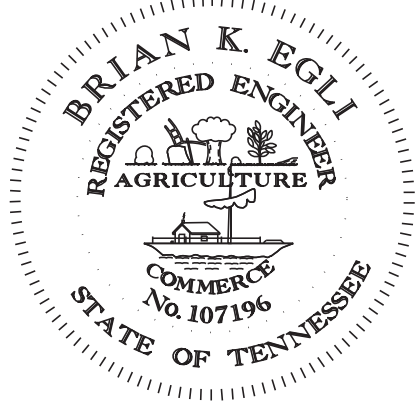
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

UTILITY NOTES  
AND  
UTILITY OWNERS



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Brian Egli

2024.11.07 13:37:25 -06'00'

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

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

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

**SHEET NAME**

**SHEET NO.**

SIGNATURE SHEET \_\_\_\_\_ STRUCTURE-SIGN 1  
RIDGE PLANS \_\_\_\_\_ B1 THRU B5

YEAR	PROJECT NO.	SHEET NO.
2025	89S108-M3-003	STRUCTURE-SIGN 1
<b>STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION</b>		
<b>SIGNATURE SHEET</b>		

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PIN 132878.00

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INDEX OF DRAWINGS	DWG. NO.	LAST REV. DATE
SIGNATURE SHEET	STRUCTURE-SIGN 1	
INDEX OF DRAWINGS	B1	
BRIDGE TABULATION, ESTIMATED QUANTITIES, AND EXPANSION JOINT REPAIR NOTES	B2	
PLAN VIEW (89SR1080003)	B3	
PHASE CONSTRUCTION (SPANS 1-6 & 8-11)	B4	
PHASE CONSTRUCTION (SPAN 7)	B5	

INDEX OF REFERENCE DRAWINGS		DWG. NO.
LAYOUT		B-12-81
TYPICAL BRIDGE CROSS SECTION (SPANS 1-6 & 8-11)		BR-79-18
TYPICAL BRIDGE CROSS SECTION (SPAN 7)		BR-79-19

11/07/24

DEPARTMENT OF TRANSPORTATION  
INDEX OF DRAWINGS  
89-SR108-3.94  
OVER  
BIG HICKORY CREEK  
BR. NOS. 89SR1080003  
WARREN COUNTY  
2025

DESIGNED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 DRAWN BY Z.HAYNES DATE 6/24  
 SUPERVISED BY K. MARTINKO DATE 6/24  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

PIN 132878.00

PROJECT NO.		YEAR	SHEET NO.
89S108-M3-003		2025	B2
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

TABULATION OF BRIDGE RELATED WORK AND ESTIMATED QUANTITIES			
LOCATION OF BRIDGE AND BRIDGE NUMBER	REFERENCE DRAWINGS TO BE PRINTED WITH CONTRACT DRAWINGS	TYPE OF WORK	604-10.44 EXPANSION JOINT REPAIR L.F.
89-SR108-3.94 OVER BIG HICKORY CREEK (89SR1080003)	B-12-81 BR-79-18 BR-79-19	EXPANSION JOINT REPAIR	56
TOTAL			56

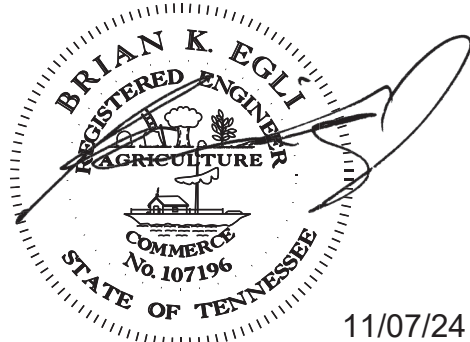
EXPANSION JOINT REPAIR NOTES

THE JOINT HEADER SYSTEM SHALL BE FROM OPL 9.002. THE JOINT SEAL SYSTEM CONSISTS OF THE ELASTOMERIC HEADER MATERIAL AND A TWO-PART COLD POUR SILICONE SEALANT. THE CONTRACTOR SHALL ALSO HAVE THE OPTION OF USING A PRECOMPRESSED FOAM WITH SILICONE TOPPED PRODUCT (SIMILAR TO AND INCLUDING BEJS) FROM OPL 7.001 WITH AN APPROPRIATELY SIZED SEAL FOR THE JOINT OPENING, AND AN ELASTOMERIC CONCRETE FROM OPL 9.001. THE SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF AN AUTHORIZED TECHNICIAN PROVIDED BY THE SYSTEM MANUFACTURER. THE TECHNICIAN MUST APPROVE ALL ASPECTS OF THE GEOMETRY AND PREPARATION OF THE JOINT LOCATIONS PRIOR TO ANY INSTALLATION OF THE JOINT SYSTEM MATERIALS. PRODUCTS FROM OPL 7.001 "ON A ROLL" AND "COMPRESSION ONLY" WILL NOT BE ALLOWED. THE TOP OF THE OPL 7.001 JOINT FILLER SHALL BE A MINIMUM OF ¾ OF AN INCH BELOW THE ROADWAY SURFACE UNLESS THE MANUFACTURER REQUIRES A DEEPER DEPTH.

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

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

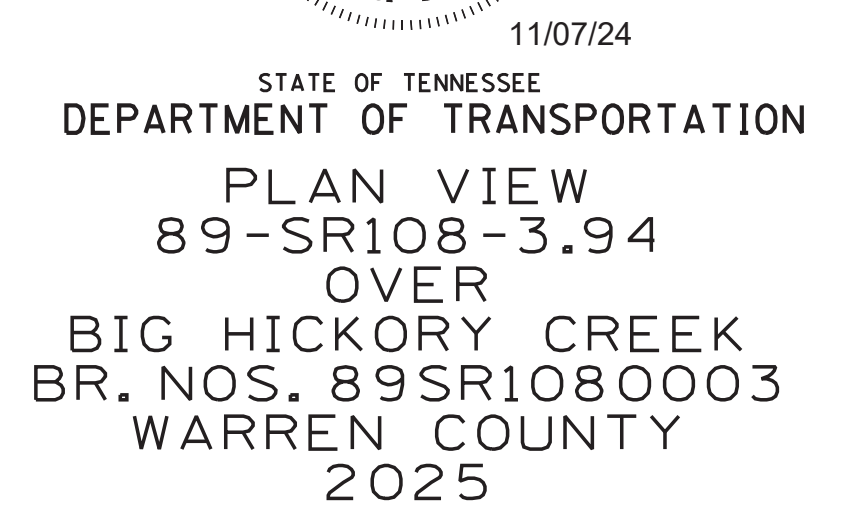
THE COST FOR REMOVING THE OLD JOINT SYSTEM, INSTALLING THE NEW JOINT SYSTEM, LABOR, AND ANY MISCELLANEOUS MATERIALS NECESSARY TO INSTALL THE NEW EXPANSION JOINT, IS TO BE INCLUDED UNDER ITEM NUMBER 604-10.44, EXPANSION JOINT REPAIRS, L.F.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

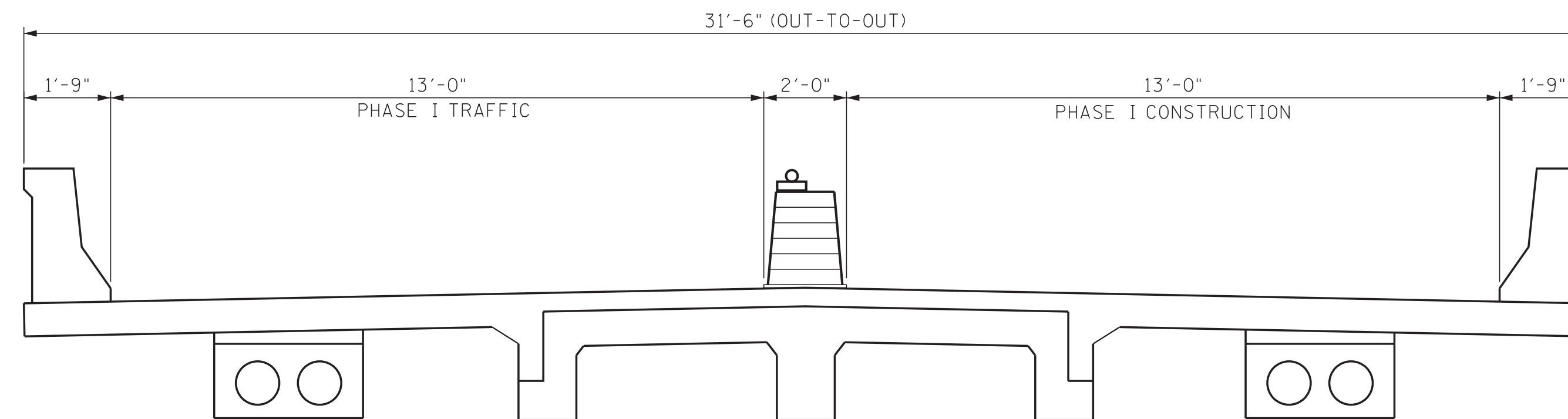
BRIDGE TABULATION,  
ESTIMATED QUANTITIES, AND  
EXPANSION JOINT REPAIR  
NOTES  
89-SR108-3.94  
OVER  
BIG HICKORY CREEK  
BR. NOS. 89SR1080003  
WARREN COUNTY  
2025

DESIGNED BY \_\_\_\_\_ DATE \_\_\_\_\_  
DRAWN BY Z. HAYNES DATE 6/24  
SUPERVISED BY K. MARTINKO DATE 6/24  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

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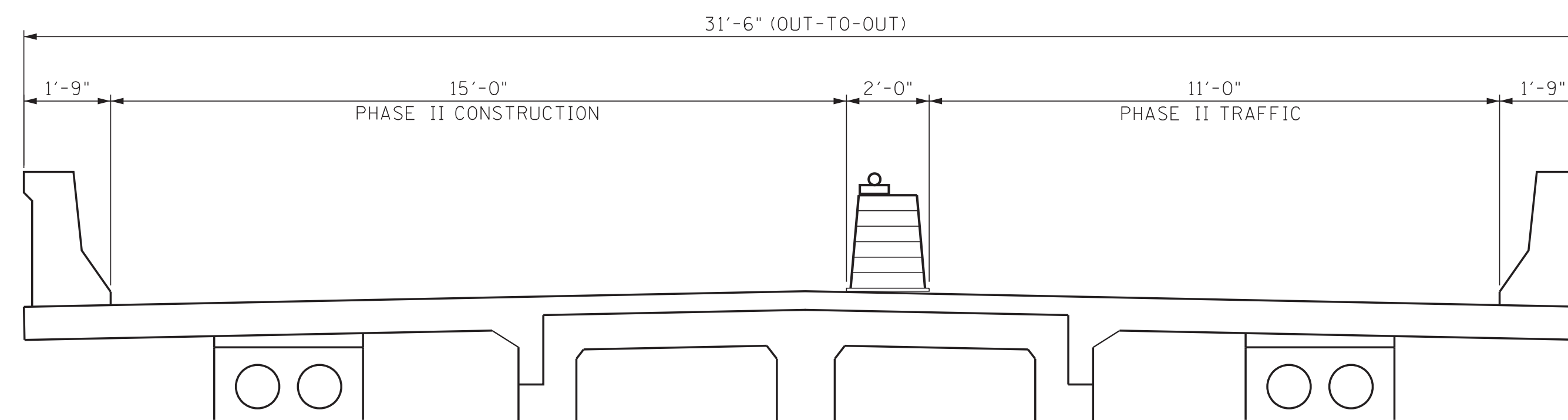
B3

PROJECT NO.	YEAR	SHEET NO.
89S108-M3-003	2025	B4

[illegible]

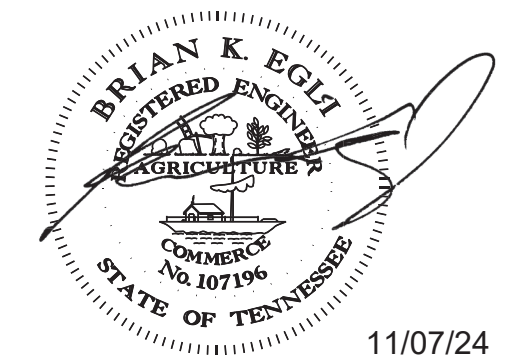
## PHASE I CONSTRUCTION

(LOOKING AHEAD ON SURVEY)



PHASE II CONSTRUCTION  
(LOOKING AHEAD ON SURVEY)

DESIGNED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 DRAWN BY Z.HAYNES DATE 6/24  
 SUPERVISED BY K. MARTINKO DATE 6/24  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_



11/07/24

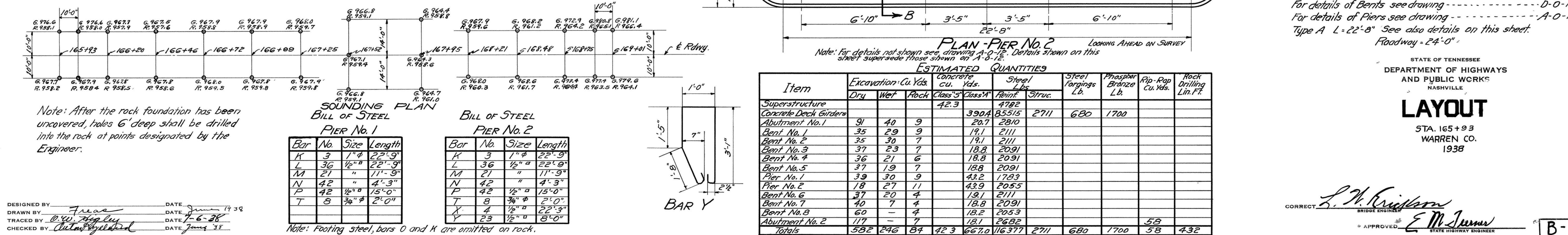
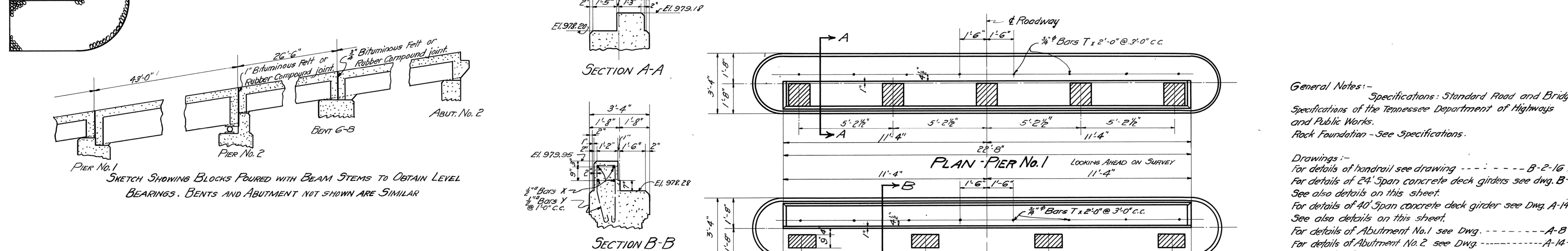
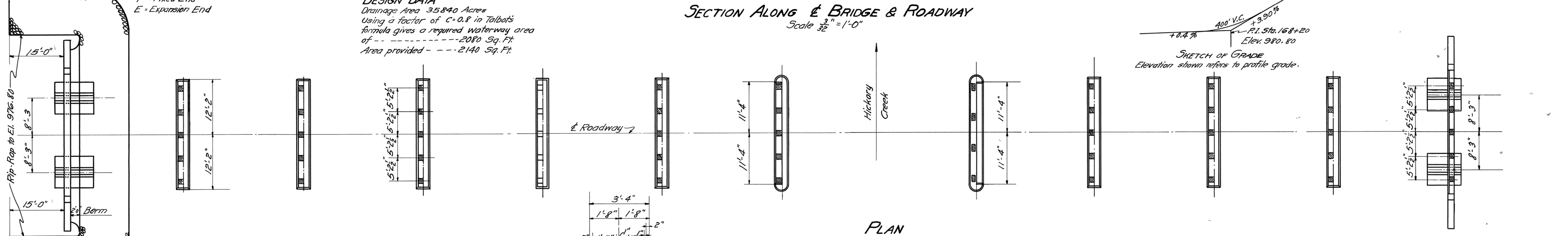
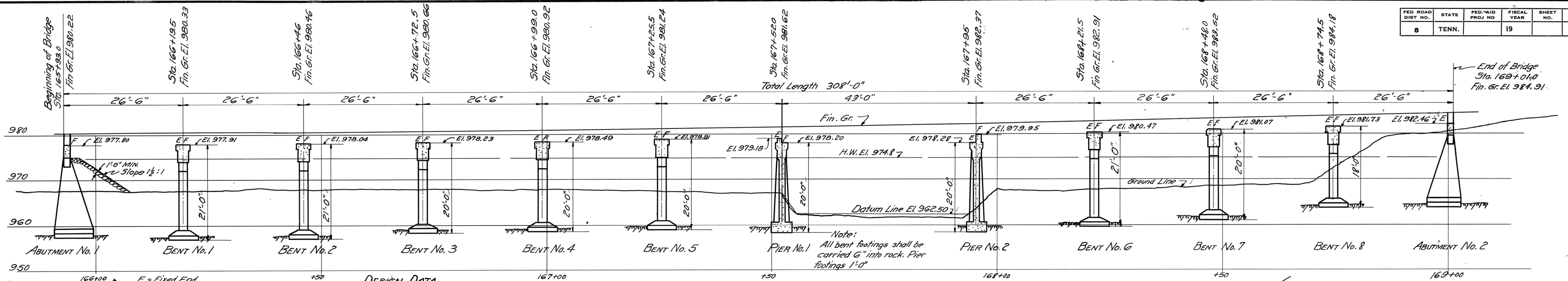
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
PHASE CONSTRUCTION  
(SPANS 1-6 & 8-11)  
89-SR108-3.94  
OVER  
BIG HICKORY CREEK  
BR. NOS. 89SR1080003  
WARREN COUNTY  
2025

PROJECT NO.	YEAR	SHEET NO.
89S108-M3-003	2025	B5

[illegible]

NORTHBOUND BRIDGE  
(89-SR108-3.94)

DESIGNED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 DRAWN BY Z.HAYNES DATE 6/24  
 SUPERVISED BY K. MARTINKO DATE 6/24  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

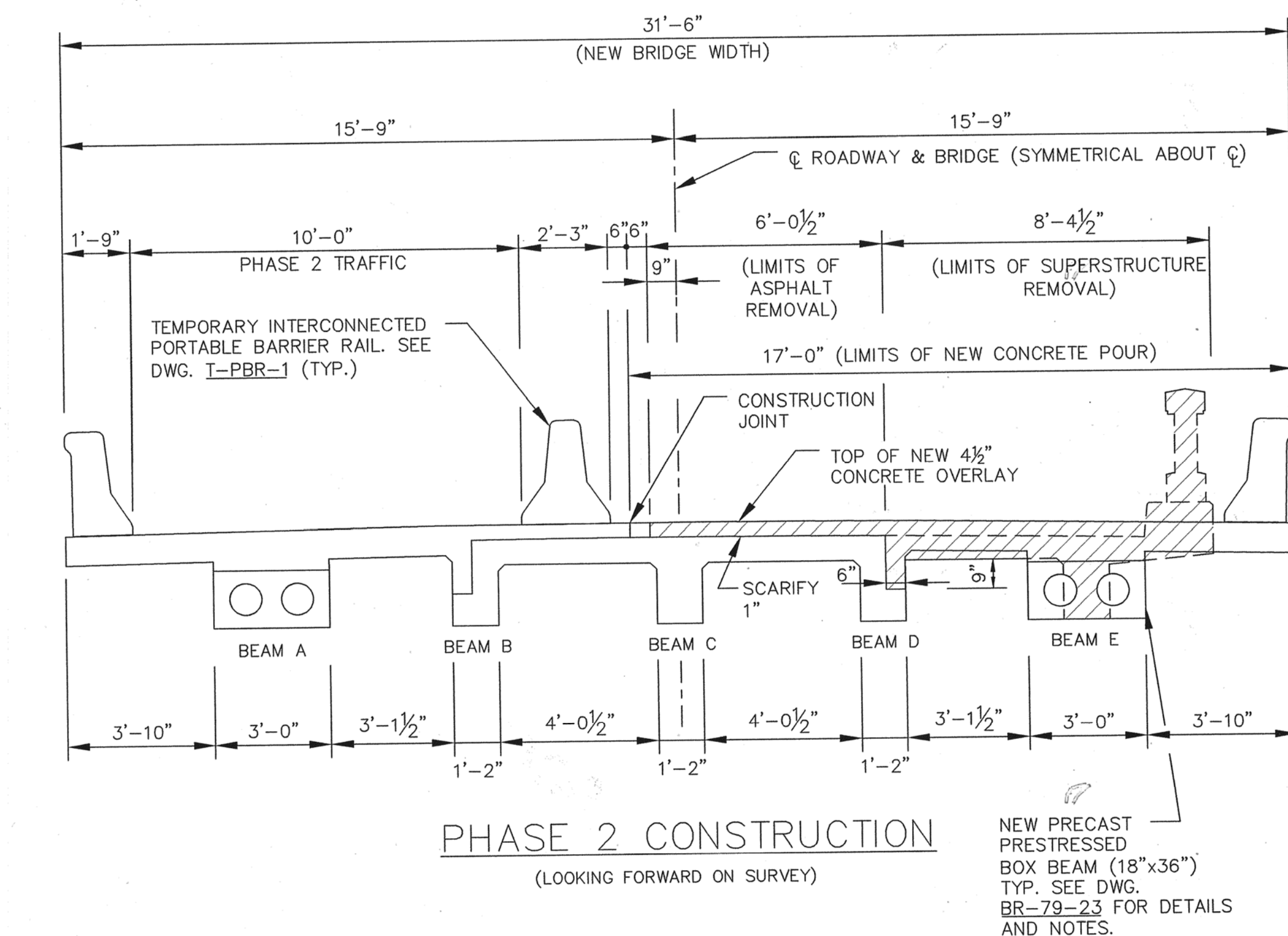


General Notes:-  
 Specifications: Standard Road and Bridge  
 Specifications of the Tennessee Department of Highways  
 and Public Works.  
 Rock Foundation - See Specifications.


Drawings:-  
 For details of handrail see drawing ----- B-2-16  
 For details of 24' Span concrete deck girders see dwg. B-6-76  
 See also details on this sheet.  
 For details of 40' Span concrete deck girder see Dwg. A-14-50  
 See also details on this sheet.  
 For details of Abutment No. 1 see Dwg. ----- A-8-135  
 For details of Abutment No. 2 see Dwg. ----- A-14-90  
 For details of Bents see drawing ----- D-0-133  
 For details of Piers see drawing ----- A-0-12  
 Type A L=22'-8" See also details on this sheet.  
 Roadway - 24'-0"

STATE OF TENNESSEE  
 DEPARTMENT OF HIGHWAYS  
 AND PUBLIC WORKS  
 NASHVILLE  
**LAYOUT**  
 STA. 165+93  
 WARREN CO.  
 1938

Item	Excavation - Cu. Yds.		Concrete - Cu. Yds.		Steel - Lbs.		Steel Reinforcing Lb.	Phosphor Bronze Lb.	Rip-Rap Cu. Yds.	Rock Drilling Lin. Ft.
	Dry	Wet	Class 3	Class 4	Reinft.	Struc.				
Superstructure										
Concrete Deck Girders										
Abutment No. 1	91	40	9	390.4	4782	2711	680	1700		
Bent No. 1	35	29	9	19.1	2111					
Bent No. 2	35	30	7	19.1	2111					
Bent No. 3	37	23	7	18.8	2091					
Bent No. 4	36	21	6	18.8	2091					
Bent No. 5	37	19	7	18.8	2091					
Pier No. 1	39	30	9	43.2	1783					
Pier No. 2	18	27	11	43.9	2055					
Bent No. 6	37	20	4	19.1	2111					
Bent No. 7	40	7	4	18.8	2091					
Bent No. 8	60	-	4	18.2	2053					
Abutment No. 2	117	-	7	18.1	2682					
Totals	582	246	84	42.3	6670	2711	680	1700	5.8	4.32





▲ BARS A504E S/W 4 BARS A505E  
S/W A506E S/W A505E S/W  
A506E S/W 2 BARS A505E S/W  
A507E BARS SHOWN AS ▲  
DENOTES BARS A600E CUTOFF  
BARS OVER BENTS.  
SEE BILL OF STEEL ON DWG.  
BR-79-22, ALSO SEE SLAB PLAN  
OF REINFORCING STEEL ON  
DWG. BR-79-20 AND BR-79-21.


 DENOTES: MECHANICAL THREADED CONNECTOR  
 (TYP. AT CONSTRUCTION JOINT)  
 SEE DWG. BR-79-22 FOR DETAILS  
 AND NOTES

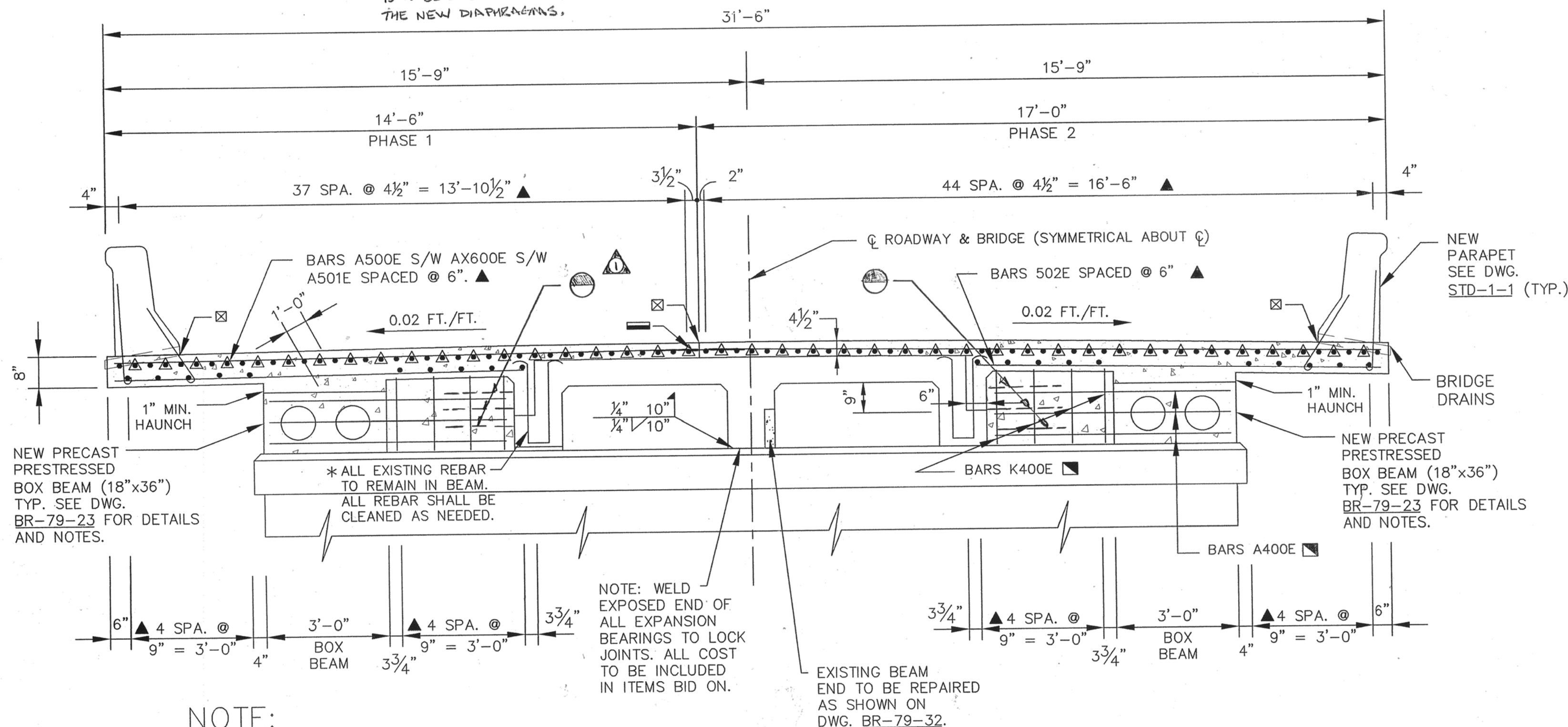
☒ DENOTES: BRIDGE DECK CRACK SEALER (HMWM) TO BE PLACED AT CONSTRUCTION JOINT (TYP.). COST FOR ALL LABOR AND MATERIAL TO BE PAID FOR UNDER ITEM NO. 617.02 AND 617.05.

SEE BILL OF STEEL ON  
DWG. BR-79-22.  
ALSO SEE DETAILS OF  
DIAPHRAGM ON DWG.  
BR-79-25.

 DENOTES: LIMITS OF NEW CONCRETE POUR

  DENOTES: 2'-6" OF EXISTING STEEL IN DIAPHRAGMS IS TO BE CLEANED AND INCORPORATED INTO THE NEW DIAPHRAGMS.

<b>PROJECT NO.</b>	<b>YEAR</b>	<b>SHEET NO.</b>
89010-4219-04	2007	

[illegible]

NOTE:  
SEE SLAB PLAN ON DWG. BR-79-20 AND BR-79-21  
FOR MID SPAN REINFORCING STEEL SPACINGS.

## CROSS SECTION

(LOOKING FORWARD ON SURVEY SECTION AT BENTS)

NOTES:

ALL COSTS ASSOCIATED WITH INTERCONNECTED PORTABLE BARRIER RAIL SHALL BE INCLUDED IN BID ITEM NO. 712-02.02. FOR MORE DETAILS ON TRAFFIC CONTROL, SEE SHEETS 4 & 5. ALSO, SEE PAVEMENT REPAIR DETAIL ON SHEET 3.

ALL COSTS ASSOCIATED WITH THE NEW 8" CONCRETE DECK SLAB AND 4½" CONCRETE OVERLAY SHALL BE INCLUDED IN ITEM NO. 604-03.09, CLASS "D" CONCRETE (BRIDGE DECK), C.Y. COST OF EPOXY COATED REINFORCING STEEL INCLUDING MECHANICAL THREADED CONNECTORS SHALL BE INCLUDED UNDER ITEM NO. 604-10.18, REINFORCING STEEL REPAIRS, LB. SEE BILL OF STEEL AND BAR BENDS ON DRAWING NO BR-79-22. THE NEW 8" CONCRETE SLAB SHALL HAVE A CROSS SLOPE OF 0.02 FT./FT.

COST OF ALL LABOR AND ANY MISCELLANEOUS ITEMS FOR REMOVING THE EXISTING CONCRETE SLAB BEAMS, DIAPHRAGMS, CURB AND EXISTING CONCRETE BRIDGERAIL SHALL BE INCLUDED IN ITEM NO. 604-10.13, CONCRETE SLAB REMOVAL, L.S.

COST OF SCARIFYING 1" OF THE EXISTING REMAINING BRIDGE DECK SHALL BE PAID FOR UNDER ITEM NO. 604-10.51, SCARIFYING, SY.

SPECIAL NOTE:

PARAPET BARS (B471E) MUST BE IN PLACE BEFORE POURING NEW CONCRETE SLAB. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. ALSO, SEE DWG. STD-9-1.

COST OF POURING THE NEW CONCRETE PARAPET, INCLUDING EPOXY COATED REINFORCING STEEL, FORMING, LABOR AND ANY MISCELLANEOUS MATERIALS REQUIRED TO POUR THE PARAPETS, SHALL BE PAID FOR UNDER ITEM NO. 620-10.01, CONCRETE PARAPET, (BRIDGERAIL REPLACEMENT). LF.

ALL COSTS ASSOCIATED WITH THE NEW CONCRETE BACKWALL, DIAPHRAGMS AND SLAB SHALL BE INCLUDED IN ITEM NO. 604-03.09, CLASS "D" CONCRETE (BRIDGE DECK), C.Y. COST OF EPOXY COATED REINFORCING STEEL INCLUDING MECHANICAL THREADED CONNECTORS, DRILLING AND GROUTING SHALL BE INCLUDED UNDER ITEM NO. 604-10.18, REINFORCING STEEL REPAIRS, LB.

THE CONTRACTOR IS RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION

\* EXTREME CARE SHALL BE TAKEN WHEN REMOVING THE EXISTING CONCRETE SLAB SO AS NOT TO DAMAGE THE EXISTING REINFORCING STEEL. ALL EXPOSED REINFORCING STEEL TO REMAIN SHALL BE COMPLETELY CLEANED TO REMOVE ALL RUST. ALL WORK MUST MEET WITH FULL APPROVAL OF THE ENGINEER.

SPECIAL NOTE TO CONTRACTOR: (PERTAINING TO SCARIFYING BRIDGE DECK AND MAINTAINING TRAFFIC

LANES). NO TRAFFIC SHALL BE PERMITTED AT ANY TIME ON THE SCARIFIED SURFACE OF THE BRIDGE DECK. THE CONTRACTOR SHALL BE REQUIRED TO SCARIFY IN TWO (2) PHASES IN ORDER TO COMPLY WITH THIS NOTE.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL BRIDGE CROSS  
SECTION TO BE REPAIRED  
SPAN NO. (S) 1,2,3,4,5,6,8,9,10 & 11

STATE ROUTE 108  
OVER  
BIG HICKORY CREEK  
BRIDGE NO. 89-SR108-3.93

WARREN COUNTY  
2007

BR -79-18

**TRC** INTERNATIONAL, LTD.  
CONSULTING ENGINEERS Brentwood, Tennessee 37027  
**ENG. JOB NO. 05417**

DESIGNED BY	TRC INTERNATIONAL, LTD	DATE	AUGUST 2005
DRAWN BY	J. BEASLEY/M. PETERS	DATE	AUGUST 2005
SUPERVISED BY	A. MIRIAN	DATE	AUGUST 2005
CHECKED BY	M. M. NICHOLSON	DATE	AUGUST 2005

# CONCANNES

/// DENOTES AREAS TO BE REMOVED AND ALL COSTS TO BE INCLUDED IN ITEM NO. 604-10.13, CONCRETE SLAB REMOVAL, L.S.

**NOTE:**  
SEE SLAB PLAN ON DWG. BR-79-20 AND BR-79-21 FOR MID SPAN REINFORCING STEEL SPACINGS.

▲ BARS A504E S/W 4 BARS A505E S/W A506E S/W A505E S/W A506E S/W 2 BARS A505E S/W A507E BARS SHOWN AS ▲ DENOTES BARS A600E CUTOFF BARS OVER BENTS.  
SEE BILL OF STEEL ON DWG. BR-79-22. ALSO SEE SLAB PLAN OF REINFORCING STEEL ON DWG. BR-79-20 AND BR-79-21.

— DENOTES: MECHANICAL THREADED CONNECTOR (TYP. AT CONSTRUCTION JOINT) SEE DWG. BR-79-22 FOR DETAILS AND NOTES

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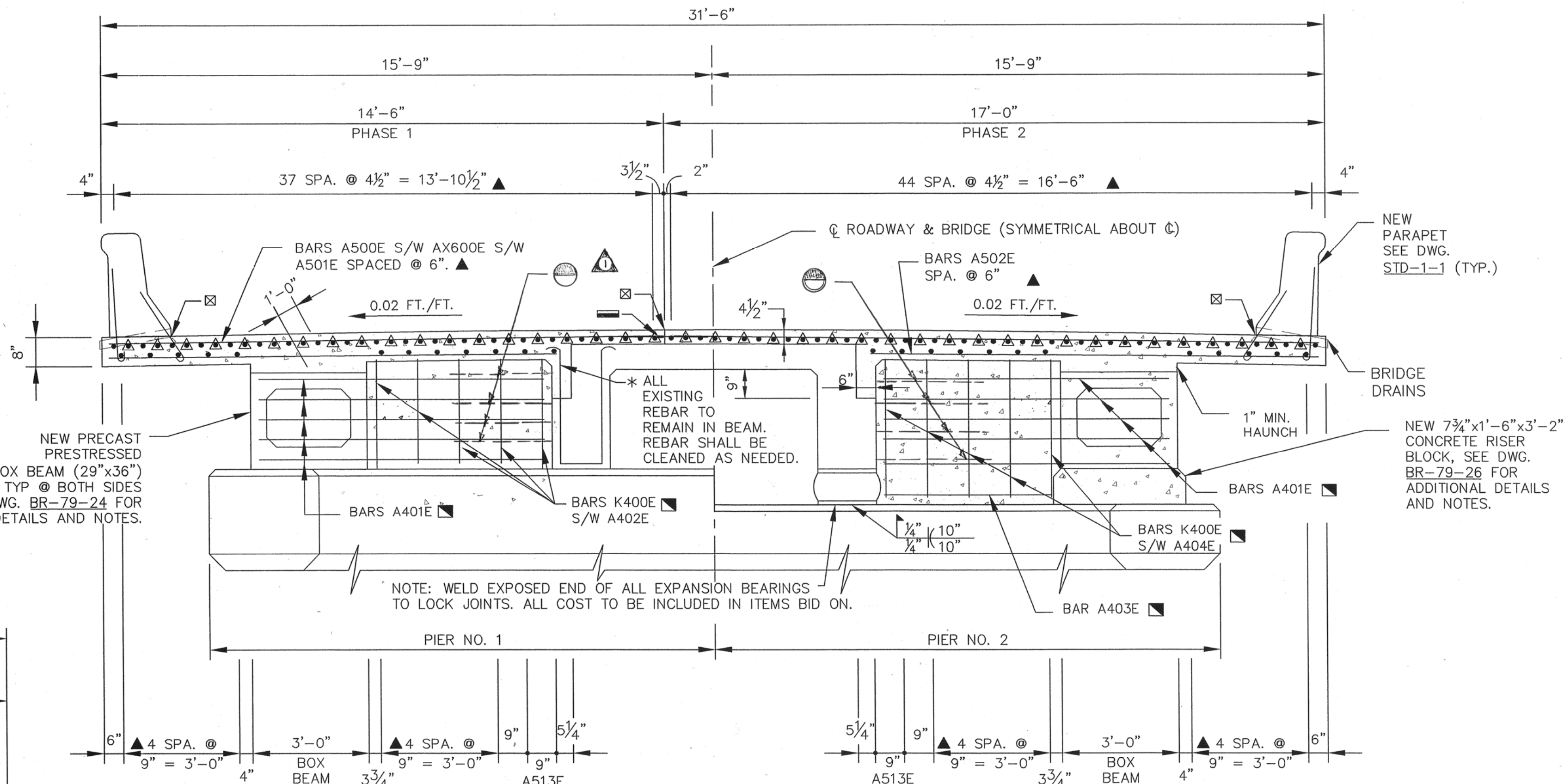
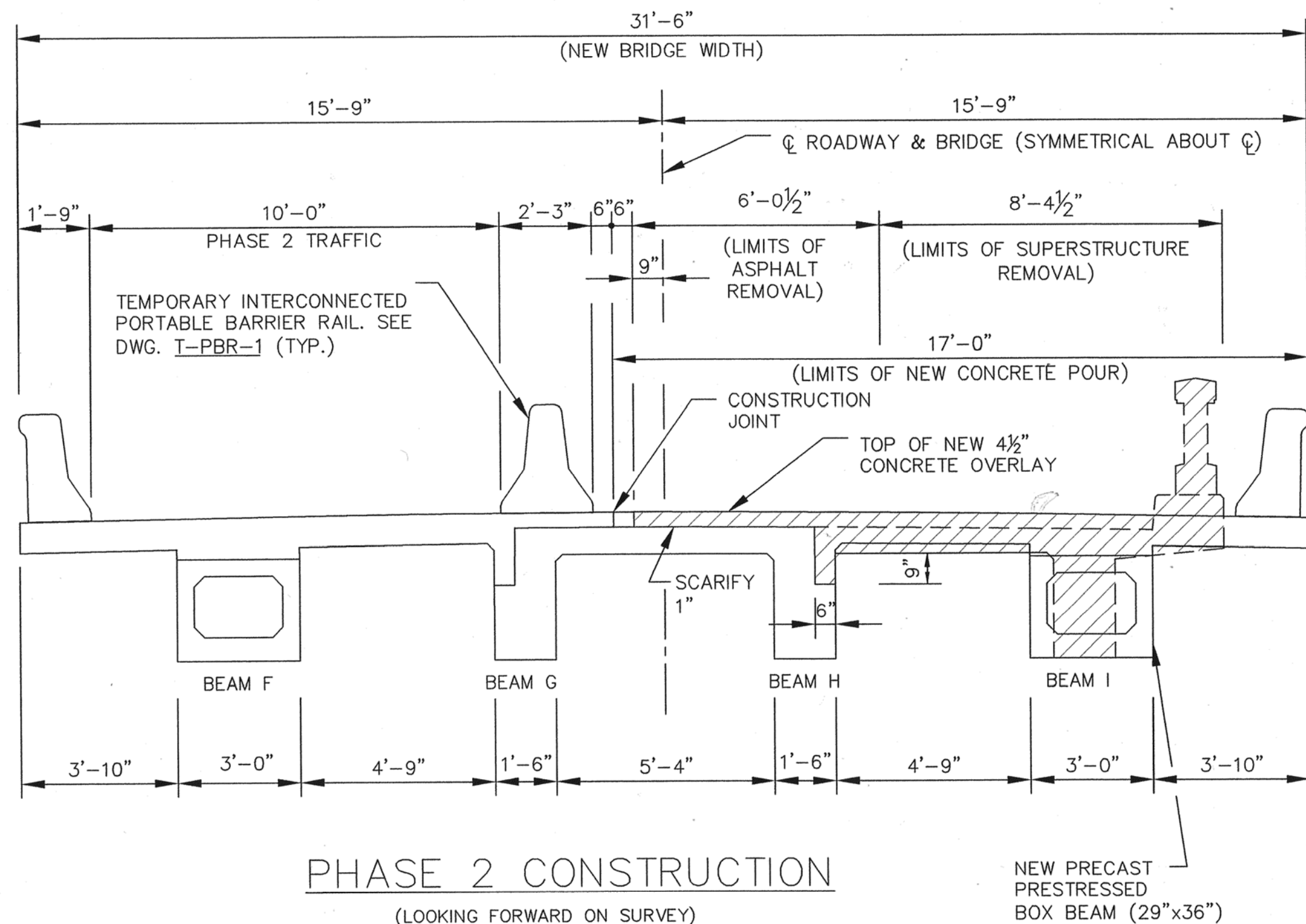
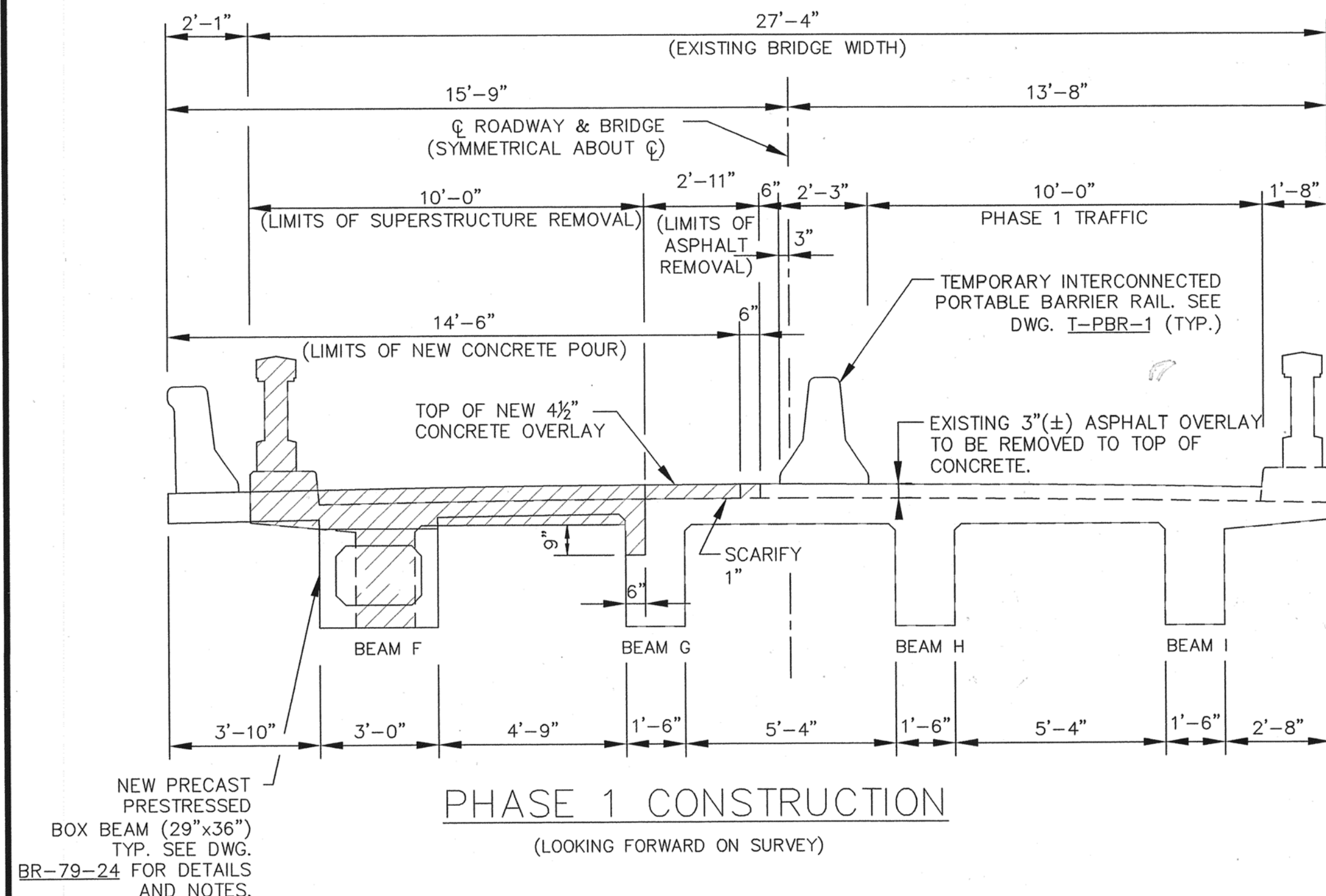
□ DENOTES: LIMITS OF NEW CONCRETE POUR

⚠ DENOTES: 2'-6" OF EXISTING STEEL IN DIAPHRAGMS IS TO BE CLEANED AND INCORPORATED INTO NEW DIAPHRAGMS.

PROJECT NO.	YEAR	SHEET NO.
89010-4219-04	2007	

REVISIONS

NO.	DATE	BY	ADDED NOTE
1	11/19/07	GLE	



## NOTES:

ALL COSTS ASSOCIATED WITH INTERCONNECTED PORTABLE BARRIER RAIL SHALL BE INCLUDED IN BID ITEM NO. 712-02.02. FOR MORE DETAILS ON TRAFFIC CONTROL, SEE SHEETS 4 & 5. ALSO, SEE PAVEMENT REPAIR DETAIL ON SHEET 3.

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COST OF SCARIFYING 1" OF THE EXISTING REMAINING BRIDGE DECK SHALL BE PAID FOR UNDER ITEM NO. 604-10.51, SCARIFYING, SY.

## SPECIAL NOTE:

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## SPECIAL NOTE TO CONTRACTOR:

(PERTAINING TO SCARIFYING BRIDGE DECK AND MAINTAINING TRAFFIC LANES). NO TRAFFIC SHALL BE PERMITTED AT ANY TIME ON THE SCARIFIED SURFACE OF THE BRIDGE DECK. THE CONTRACTOR SHALL BE REQUIRED TO SCARIFY IN TWO (2) PHASES IN ORDER TO COMPLY WITH THIS NOTE.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TYPICAL BRIDGE CROSS  
SECTION TO BE REPAIRED  
SPAN NO. 7

STATE ROUTE 108  
OVER  
BIG HICKORY CREEK  
BRIDGE NO. 89-SR108-3.93

WARREN COUNTY  
2007

BR -79-19

TRC INTERNATIONAL, LTD.  
CONSULTING ENGINEERS  
Brentwood, Tennessee 37027

ENG. JOB NO. 05417

DESIGNED BY	TRC INTERNATIONAL, LTD	DATE	AUGUST 2005
DRAWN BY	J. BEASLEY/M. PETERS	DATE	AUGUST 2005
SUPERVISED BY	A. H. MIRIAN, PE	DATE	AUGUST 2005
CHECKED BY	M.M. NICHOLSON	DATE	AUGUST 2005