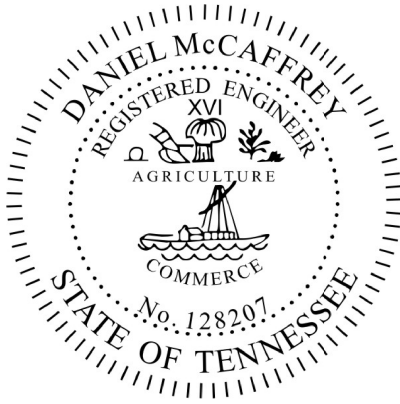


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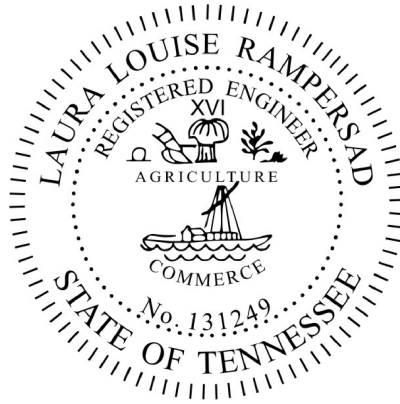
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MODJESKI & MASTERS, INC.
100 STERLING PKWY, SUITE 302
MECHANICSBURG, PA
DANIEL MCCAFFREY, P.E. NO. 128207

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.....	SIG-2
TITLE SHEET	1
ESTIMATED BRIDGE QUANTITIES AND NOTES.....	2 (BR-132-917)
LAYOUT OF BRIDGE TO BE REPAIRED	BR-132-918
DECK REPAIR DETAILS	BR-132-919
MISCELLANEOUS REPAIR DETAILS	BR-132-924



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MODJESKI & MASTERS, INC.
5510 CASCADE ROAD SE, SUITE 200
GRAND RAPIDS, MI 49546
LAURA LOUISE RAMPERSAD, P.E. NO. 131249

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.
ESTIMATED ROADWAY QUANTITIES.....	2A

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	36S114-M3-002	SIG-2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

Index Of Sheets

SIGNATURE SHEET.....	SIG-1, SIG-2
TITLE SHEET.....	1
PROJECT COMMITMENTS.....	1A
ESTIMATED BRIDGE QUANTITIES AND NOTES.....	2
ESTIMATED ROADWAY QUANTITIES.....	2A
GENERAL AND SPECIAL NOTES.....	2B
ENVIRONMENTAL NOTES.....	2C
PRESENT LAYOUT.....	3
PROPOSED LAYOUT.....	3A
TRAFFIC CONTROL PLAN AND NOTES.....	T1-T7

Standard Drawings

DRAWING NO.	CURRENT REVISION DATE	DESCRIPTION
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ROADWAY DESIGN STANDARDS

RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL

TRAFFIC CONTROL APPURTENANCES

T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-5	01-24-25	MARKING DETAIL FOR EXPRESSWAY & FREEWAYS
T-S-10	07-30-25	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-19	07-30-25	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-30-25	SIGN DETAILS
T-WZ-16	03-26-25	LANE SHIFT FOR DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-32	03-26-25	TRAFFIC CONTROL PLAN SIGNAL LAYOUT FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-34	03-26-25	TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-35	03-26-25	TRAFFIC CONTROL PLAN PAY ITEM AND SIGN DETAILS FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-56	03-26-25	TRANSVERSE RUMBLE STRIP USE WITHIN WORK ZONES
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
T-WZ-PCB1	03-26-25	10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2A	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL STIFFENER TUBE
T-WZ-PCB4	07-22-25	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

SAFETY APPURTENANCES

S-CC-1	10-01-24	CRASH CUSHION
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EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-37	06-10-14	SEDIMENT TUBE

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 DESIGN MANAGER : S. M. MONTGOMERY

DESIGNED BY : MODJESKI & MASTERS, INC.

DESIGNER : D.E. MCCAFFREY

CHECKED BY F.A. ARTMONT

PE NO. 36S114-M3-002

PIN NO. 101896.03

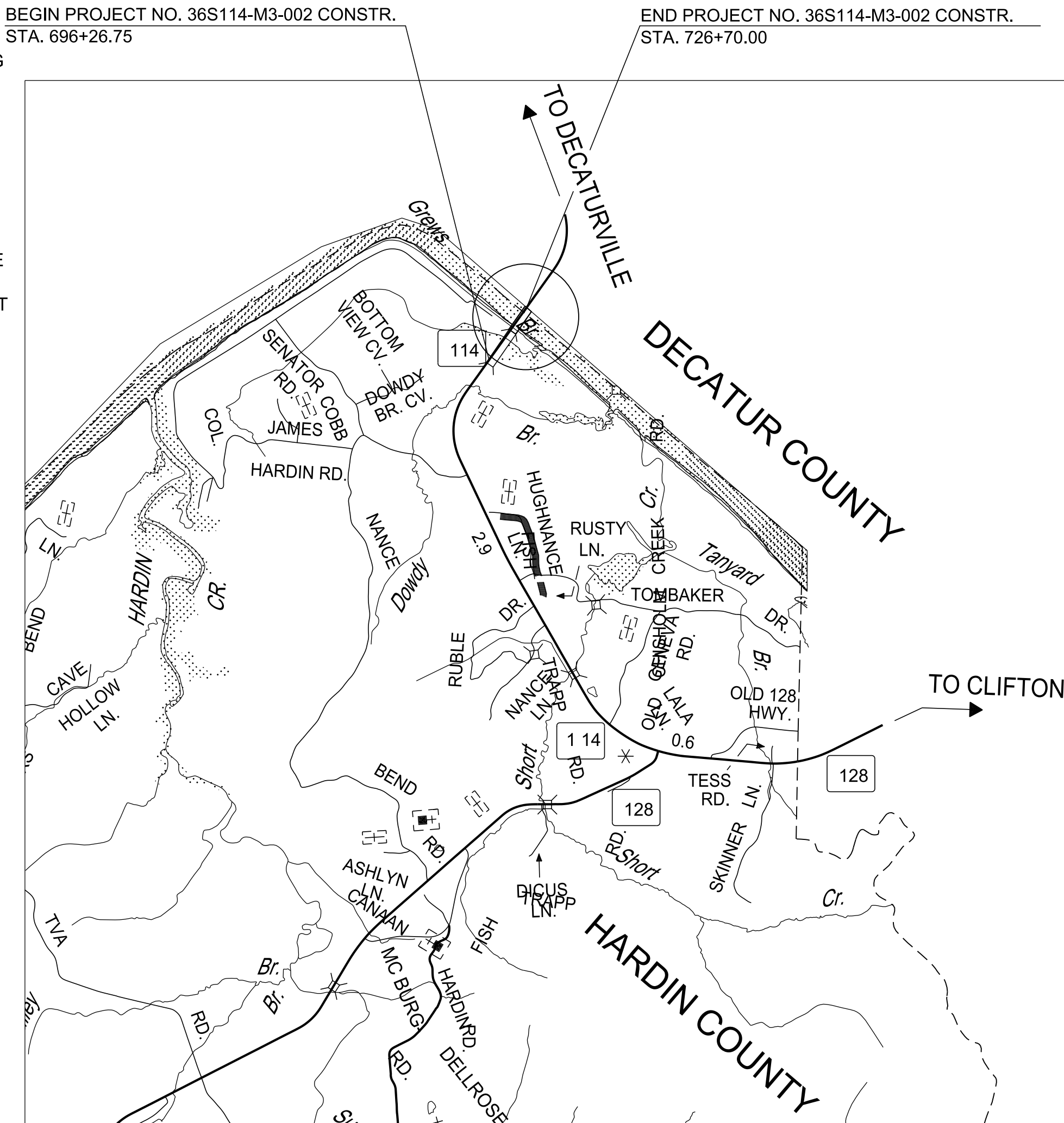
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HARDIN COUNTY

BRIDGE OVER TENNESSEE RIVER, LM 3.22

PS&E
(BRIDGE REPAIR)

STATE HIGHWAY NO. 114 US HIGHWAY NO. 641

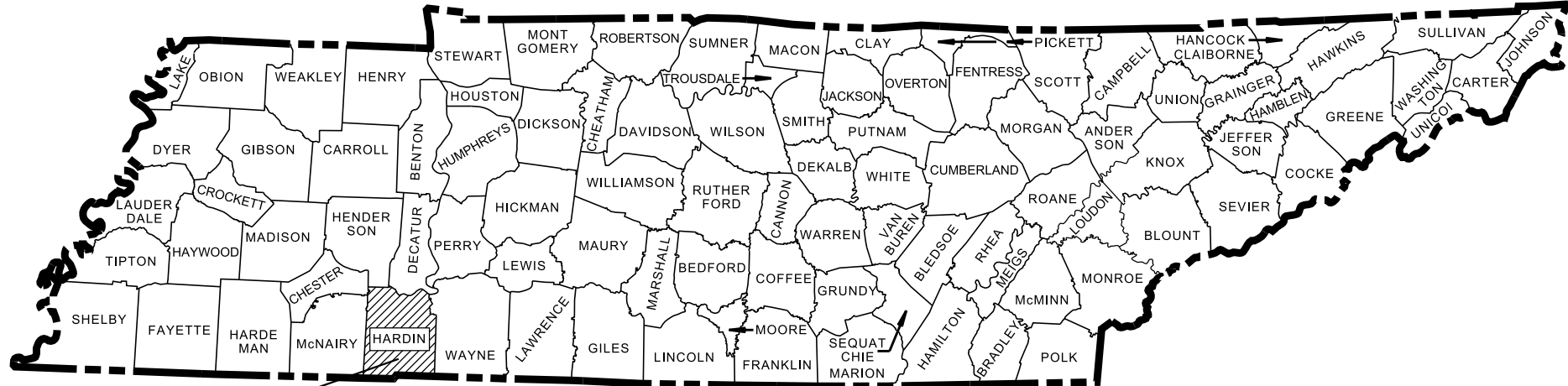


ROADWAY LENGTH	0.028 MILES
BRIDGE LENGTH	0.548 MILES
PROJECT LENGTH	0.576 MILES

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

REV 1. 06-10-2026 DEM UPDATE SHEET INDEX

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.		
STATE PROJ. NO.	36S114-M3-002	



HARDIN COUNTY
BRIDGE ID NO. 36SR1140001

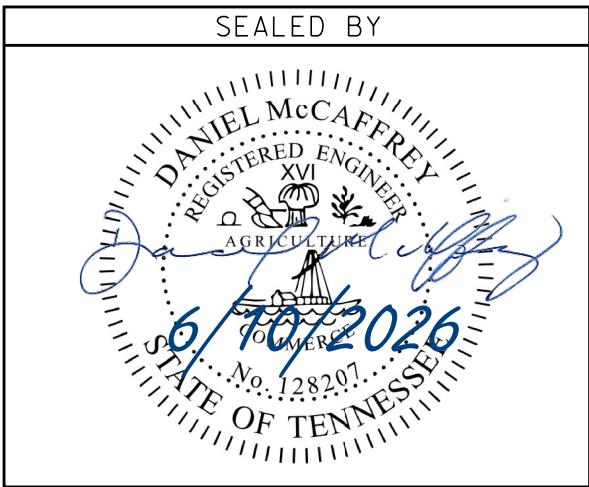
LIST OF BRIDGE DRAWINGS

ESTIMATED BRIDGE QUANTITIES AND NOTES.....	BR-132-917
LAYOUT OF BRIDGE TO BE REPAIRED.....	BR-132-918
DECK REPAIR DETAILS.....	BR-132-919
EPOXY OVERLAY DETAILS.....	BR-132-920
PAVEMENT AT BRIDGE ENDS REPAIR.....	BR-132-921
CONCRETE BEAM CLOSURE REPAIR DETAILS.....	BR-132-922
CONCRETE BEAM/DIAPHRAGM REPAIR DETAILS.....	BR-132-923
MISCELLANEOUS REPAIR DETAILS.....	BR-132-924

*LIST OF BRIDGE REFERENCE DRAWINGS

(* TO BE PRINTED WITH PLANS)		
M-285-25, M-285-27, M-285-34, M-285-35, M-285-36, M-285-37, M-285-47, M-285-67, M-285-68, M-285-69, M-285-70		
DRAWING NO.	CURRENT REVISION DATE	DESCRIPTION
STD-4-1	4/8/2005	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS
STD-4-2	4/8/2005	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA
STD-4-3	3/2/2002	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS
STD-4-4	6/10/1996	STANDARD PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS

NO EXCLUSIONS



APPROVED:
DATE: SHANE HESTER, CHIEF ENGINEER

APPROVED:
WILL REID, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

TRAFFIC DATA	
AADT (2025)	2,576
POSTED SPEED	55 MPH

\$\$\$\$SYTIME\$\$\$\$\$\$\$\$
\$\$\$\$DGN\$P\$E\$C\$\$\$\$\$\$\$\$

GENERAL NOTES:

SPECIFICATIONS & LOADING:

CONSTRUCTION SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (APRIL 1, 2026 EDITION), AND THE 4TH EDITION (2017) AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS WITH INTERIMS.

DESIGN SPECIFICATIONS: 9TH EDITION (2020) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

CONCRETE REINFORCING & FORMING:

CONCRETE: TO BE CLASS A (CAST-IN-PLACE) F'C = 3000 PSI EXCEPT AS NOTED OTHERWISE.

BRIDGE DECKS: CLASS D CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

HIGH EARLY STRENGTH CONCRETE: THE MIX IS TO MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, CLASS X. THE CEMENT CONTENT SHALL BE A MINIMUM OF 714 LBS. THE WATER-CEMENT RATIO SHALL BE A MAXIMUM OF 0.40. DESIGN AIR CONTENT SHALL BE 6% WITH ±2% ACCEPTANCE RANGE IN THE FIELD. SLUMP SHALL BE 3 ± 1 INCHES, IF USING A TYPE A, F, OR G WATER REDUCER, THE SLUMP SHALL BE MAXIMUM OF 8 INCHES. NO FLY ASH REPLACEMENT WILL BE PERMITTED. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 3,500 PSI. TRAFFIC SHALL NOT BE PERMITTED ON ANY OF THE REPAIRED AREAS UNTIL TEST SPECIMENS ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AND THE CONCRETE HAS BEEN IN PLACE A MINIMUM OF TEN (10) DAYS.

CONCRETE CURING: ALL CONCRETE IN REPAIR AREAS SHALL BE CURED ACCORDING TO THE STANDARD SPECIFICATIONS.

MISCELLANEOUS GENERAL NOTES:

SPECIAL NOTE TO CONTRACTOR: CONTRACTOR SHALL USE EXTREME CARE AND TAKE ANY MEASURES NECESSARY TO ENSURE THAT NO DEBRIS IS DROPPED INTO THE STREAM. ANY DEBRIS WHICH IS ALLOWED TO DROP ON THE BANKS BELOW THE BRIDGE SHALL NOT BE ALLOWED TO ENTER THE STREAM AND SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. COST OF REMOVAL AND DISPOSAL OF DEBRIS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.

EXPANSION JOINTS (STRIP SEAL AND MODULAR): FOR ADDITIONAL GENERAL NOTES APPLICABLE TO STRIP SEAL EXPANSION JOINTS, SEE STANDARD DRAWING NOS. SBR-2-115 AND SBR-2-116, ALSO SEE SECTION 623 OF THE STANDARD SPECIFICATIONS. FOR MODULAR JOINTS SEE SECTION 623 OF THE STANDARD SPECIFICATIONS.

DEMOLITION: THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ANY PARTS OF THE STRUCTURE THAT ARE NOT TO BE REMOVED SPECIFICALLY. FOR FULL DEPTH SLAB REMOVAL, EXCEPT OVER BEAMS, THE MAXIMUM HAMMER SIZE IS 90 POUND CLASS. FOR PARTIAL DEPTH SLAB REMOVAL AND ANY WORK OVER THE BEAMS, THE MAXIMUM HAMMER SIZE IS 60 POUND CLASS; CHIPPING HAMMERS OF THE 15 POUND CLASS SHALL BE USED TO REMOVE CONCRETE FROM BENEATH ANY REINFORCING STEEL. SAWING OR CUTTING OF THE CONCRETE IS ACCEPTABLE AS LONG AS ANY SPECIFIED PROJECTION OF THE EXISTING REINFORCING STEEL IS MAINTAINED. EXPANSION JOINT REMOVAL SHALL FOLLOW THE SAME RESTRICTIONS AS FULL DEPTH SLAB REMOVAL. ALL DEVICES PROPOSED FOR CONCRETE DEMOLITION SHALL MEET THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR IS NOT ALLOWED TO USE A HYDRAULIC RAM MOUNTED ON A BACKHOE (COMMONLY CALLED A HOE RAM), MINI EXCAVATOR, OR OTHER EQUIPMENT FOR ANY CONCRETE REMOVAL.

SPECIAL NOTE CONCERNING WORK OVER A NAVIGABLE WATERWAY: THE CONTRACTOR SHALL COMPLY FULLY WITH ANY REQUIREMENTS ESTABLISHED BY THE CORPS OF ENGINEERS, U.S. COAST GUARD, AND ANY OTHER AGENCIES WHICH MAY HAVE JURISDICTION RELATIVE TO CONSTRUCTION WORK OVER A NAVIGABLE STREAM WHICH IS APPLICABLE TO THIS CONTRACT, AND WHICH MAY NOT BE COVERED BY EXISTING PERMITS. THE CONTRACTOR SHALL SUBMIT A DESCRIPTION OF WORK AND SKETCHES OF ANY FALSEWORK, SCAFFOLDING, DEBRIS CONTAINMENT SYSTEMS, ETC. WHICH MAY BE REQUIRED DURING CONSTRUCTION WHICH MAY ENCROACH UPON THE VERTICAL AND/OR HORIZONTAL CLEARANCES FOR WATERWAY TRAFFIC TO THE U.S. COAST GUARD FOR APPROVAL BEFORE ANY WORK BEGINS.

CONTACT: ERIC WASHBURN
U.S. COAST GUARD
BRIDGE ADMINISTRATOR
1222 SPRUCE STREET
ST. LOUIS, MO 63103-2832

CONTAINMENT AND DISPOSAL: OUR RECORDS SHOW THAT THIS BRIDGE HAS OR HAS HAD LEAD-BASED/CHROMATE-BASED PAINT APPLIED TO IT DURING ITS HISTORY; THEREFORE, THE CONTRACTOR SHALL ASSUME THAT REMNANTS OF THAT PAINT REMAIN ON THE BRIDGE. SEE SECTION 603.13 OF THE STANDARD SPECIFICATIONS FOR SPECIAL PRECAUTIONS THAT MUST BE TAKEN IN THE REMOVAL; CONTAINMENT AND DISPOSAL OF THE SURFACE PREPARATION WASTE AND PAINT REMOVAL MEDIA; AND WORKER AND PUBLIC SAFETY.

SPECIAL NOTE SURFACE PREPARATION FOR PAINT: OUR RECORDS SHOW THAT THIS BRIDGE HAS OR HAS HAD LEAD-BASED/CHROMATE-BASED PAINT APPLIED TO IT DURING ITS HISTORY. THEREFORE, THE CONTRACTOR SHALL ASSUME THAT REMNANTS OF THAT PAINT REMAIN ON THE BRIDGE ALONG WITH THE POSSIBILITY OF THE PRESENCE OF MILLSCALE. CONTRACTOR SHALL BID ACCORDINGLY.

WORKER PROTECTION: OUR MAINTENANCE RECORDS INDICATE THAT THIS BRIDGE WAS ORIGINALLY PAINTED WITH MATERIALS CONTAINING LEAD AND/OR CHROMATES AND THE CONTRACTOR SHALL BE REQUIRED TO PROCEED ACCORDINGLY AND TAKE ALL MANDATORY SAFEGUARDS PRESCRIBED BY THE STATE AND FEDERAL LAW FOR WORKER PROTECTION AND HAZARDOUS MATERIALS DISPOSAL.

WHEN ONLY PAINTING BEARINGS NOTES

PAINT: SHALL BE SYSTEM "B" (OPL 3.005) IN ACCORDANCE WITH SECTION 603.06 OF THE STANDARD SPECIFICATIONS. COLOR OF THE FINISH COAT SHALL COMPLY WITH AMS-STD-595A, FEDERAL STANDARD NO. 20059. SEE SECTIONS 603 AND 910 OF THE STANDARD SPECIFICATIONS. ALL PRODUCTS USED IN THIS COATING SYSTEM, INCLUDING THINNERS, MUST BE SUPPLIED BY THE SAME MANUFACTURER.

BEARING CLEANING: ALL STEEL BEARINGS SHALL BE CLEANED AND PAINTED. CLEANING SHALL BE IN ACCORDANCE WITH SECTION 603.05(B.1) OF THE STANDARD SPECIFICATIONS. HAND (SSPC-SP 2) OR POWER (SSPC-SP 3) TOOL CLEANING SHALL REMOVE ALL RUST, SCALE, LOOSE PAINT, AND DIRT. THE COLOR OF THE FINISH COAT SHALL COMPLY WITH AMS-STD-595A, FEDERAL STANDARD NO. 20059. SEE SECTIONS 603 AND 910 OF THE STANDARD SPECIFICATIONS.

APPLICATION: THE COATING APPLICATOR SHALL FOLLOW THE MANUFACTURER'S PRINTED INSTRUCTIONS AND SHALL HAVE THESE INSTRUCTIONS ON SITE DURING THE COURSE OF THE WORK.

SPOT PAINTING AREAS NOTES

SPOT CLEANING AND PAINTING: AREAS REQUIRING REPAINTING OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH SECTION 603.05(B.1) OF THE STANDARD SPECIFICATIONS. HAND (SSPC-SP 2) OR POWER (SSPC-SP 3) TOOL CLEANING SHALL REMOVE ALL RUST, SCALE, LOOSE PAINT, AND DIRT. THESE AREAS SHALL BE SPOT PRIMED IMMEDIATELY AFTER CLEANING. CLEANED AND PRIMED STEEL SHALL RECEIVE A SYSTEM "B" (OPL 3.005) OR "C" (OPL 3.006) PAINT SYSTEM IN ACCORDANCE WITH SECTION 603.06(B) OF STANDARD SPECIFICATIONS. THE COLOR OF THE FINISH COAT SHALL COMPLY WITH AMS-STD-595A, FEDERAL STANDARD NO. 20059. SEE SECTIONS 603 AND 910 OF THE STANDARD SPECIFICATIONS.

SEE THE TDOT QUALIFIED PRODUCTS LIST 3.005 OR 3.006 FOR ACCEPTABLE COATINGS FOR THE PAINT SYSTEM. THE SAME MANUFACTURER SHALL SUPPLY ALL PRODUCTS USED, INCLUDING THINNERS.

ALL EXISTING DIMENSIONS SHOWN IN THESE DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS.

UTILITIES:

NO UTILITY CONFLICTS ARE ANTICIPATED BASED ON THE SCOPE OF WORK.

BRIDGE REPAIR QUANTITIES				
	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	603-02.15	REPAINT EXISTING BEARINGS	LS	1
(2)	604-03.04	PAVEMENT AT BRIDGE ENDS REPAIR	SY	10
(3)	604-04.04	BRIDGE END DRAINS (4'x8')	EACH	4
(4)	604-10.05	CONCRETE	SF	130
	604-10.21	CONTAINMENT & DISPOSAL OF WASTE	LS	1
	604-10.50	BRIDGE DECK REPAIRS (PARTIAL DEPTH OF SLAB)	SY	57
(5)	604-10.60	EXPANSION JOINT REPAIRS (MODULAR TYPE)	LF	150
(6)	610-10.40	BRIDGE DECK DRAINS	LS	1
	617-04.01	TYPE 1 THIN EPOXY OVERLAY (EXPOXY-URETHANE)	SY	15692

FOOTNOTES	
(1)	INCLUDES COST OF ALL LABOR, MATERIALS, AND EQUIPMENT TO ACCESS, REHABILITATE, CLEAN, AND PAINT 9 ABUTMENT BEARINGS.
(2)	INCLUDES COST OF ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PLACE HIGH EARLY STRENGTH CONCRETE FOR REPAIR AREAS. QUANTITY ASSUMES 5 SY PER PAVEMENT AT BRIDGE END.
(3)	INCLUDES COST OF ALL LABOR, MATERIALS, AND EQUIPMENT TO ACCESS AND CLEAN BRIDGE END DRAINS.
(4)	INCLUDES COST OF ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PLACE HIGH EARLY STRENGTH CONCRETE FOR REPAIR AREAS AT LOCATIONS INDICATED IN PLANS. QUANTITY ASSUMES 2 SF PER LOCATION.
(5)	INCLUDES COST OF ALL LABOR, MATERIALS, AND EQUIPMENT TO CLEAN AND SEAL MODULAR JOINTS.
(6)	INCLUDES COST OF ALL LABOR, MATERIALS, AND EQUIPMENT TO ACCESS AND CLEAN BRIDGE DECK DRAINS.

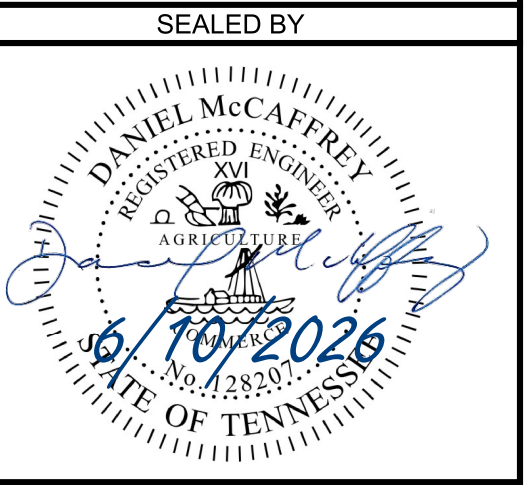


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SUPERVISED BY:	DEM	DATE: 01/2026
CHECKED BY:	FAA	DATE 01/2026

CONST. NO.:

PROJECT NO.		YEAR	SHEET NO.
36S114-M3-002		2026	2
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	06-10-2026	DEM	REVISED ITEM LIST AND QUANTITIES
	- -		
	- -		
	- -		
	- -		

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ESTIMATED BRIDGE QUANTITIES AND NOTES
SR114 OVER TENNESSEE RIVER
BRIDGE NO. 36-SR114-03.22
FED. I.D. NO. 36SR1140001
HARDIN COUNTY
2026



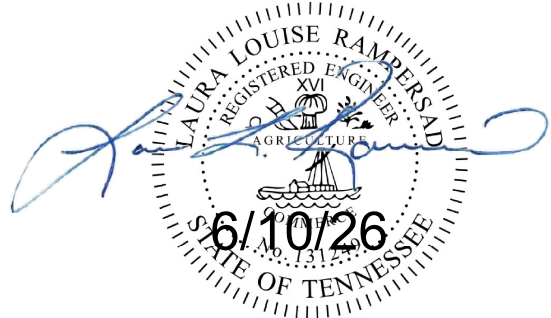
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	36S114-M3-002	2A

REV. 1 06-10-2026 LLR UPDATED RUMBLE STRIPE QTY

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 36S114-M3-002
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	374
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.44
411-01.10	ACS MIX(PG64-22) GRADING D	TONS	94
411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	0.05
415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	600
712-01	TRAFFIC CONTROL	LS	1
712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	3350
712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	2
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	52
712-04.50	BARRIER RAIL DELINEATOR	EACH	161
712-06	SIGNS (CONSTRUCTION)	S.F.	349
712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	15880
712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	48
712-09.09	REMOVABLE PAVEMENT MARKING (4" LINE)	L.F.	2730
712-10.02	TEMPORARY TRANSVERSE RUMBLE STRIPS	L.F.	240
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	6654
716-09.85	CONTRAST PAVEMENT MARKING 4"	L.M.	1.2
716-09.86	CONTRAST PAVEMENT MARKING 6"	L.M.	1.2
716-12.01	ENHANCED FLATLINE THERMO PVTM MRKNG (4IN LINE)	L.M.	0.54
716-12.02	ENHANCED FLATLINE THERMO PVTM MRKNG (6IN LINE)	L.M.	0.54
717-01	MOBILIZATION	LS	1
730-40.02	TEMPORARY TRAFFIC SIGNAL SYSTEM	LS	1
740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	292

FOOTNOTES	
(1)	ALL COSTS ASSOCIATED WITH INSTALLING AND STORING ALL TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE PRICE BID FOR EACH ITEM. ALL WORK MUST MEET THE FULL APPROVAL OF THE TDOT ENGINEER.
(2)	THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWINGS.
(3)	ANY LOSS OR DAMAGE TO THE SIGNS SHALL BE PAID FOR BY THE CONTRACTOR.
(4)	CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.
(5)	ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DGNPPE\$\$\$\$\$

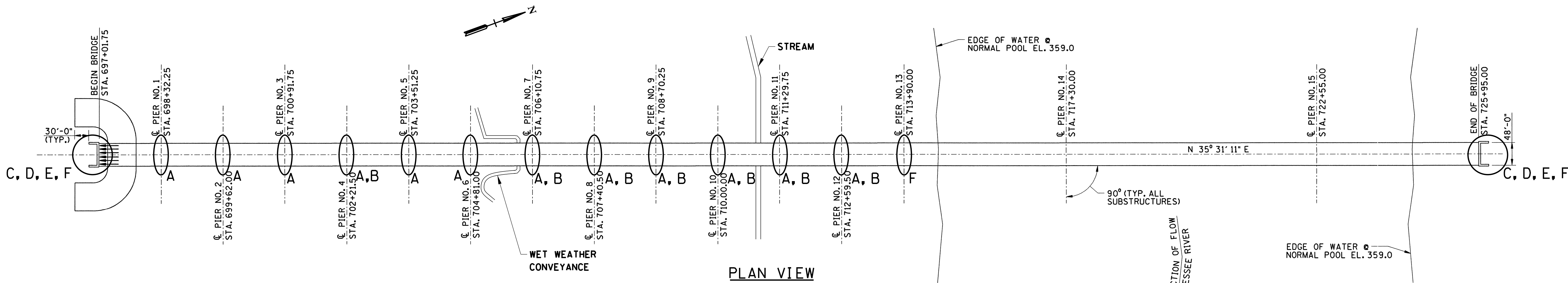
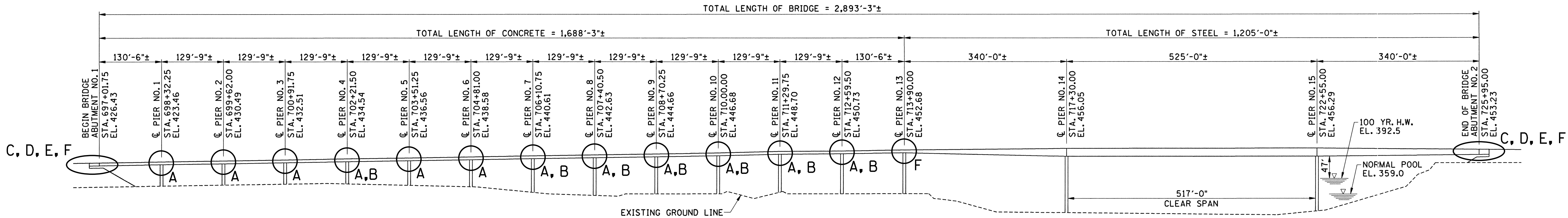
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

CONST. NO.:

PROJECT NO.		YEAR	SHEET NO.
36S114-M3-002		2026	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	6-10-2026	DEM	ADDED JOINT CLEANING AT BEGIN BRIDGE
	- -		
	- -		
	- -		
	- -		



SCOPE OF WORK:

1. PROVIDE TRAFFIC CONTROL AS INDICATED.
2. PERFORM PARTIAL-DEPTH DECK REPAIRS.
3. INSTALL TYPE 1 THIN EPOXY DECK OVERLAY.
4. PERFORM CONCRETE SPALL REPAIRS.
5. CLEAN, AND PAINT ABUTMENT BEARINGS.
6. REPAIR PAVEMENT AT BRIDGE ENDS
7. CLEAN BRIDGE DRAINS.
8. CLEAN AND SEAL MODULAR JOINTS.
9. RESURFACE ASPHALT NEAR BRIDGE ENDS (SEE ROADWAY PLANS).

REPAIR LOCATION KEY:

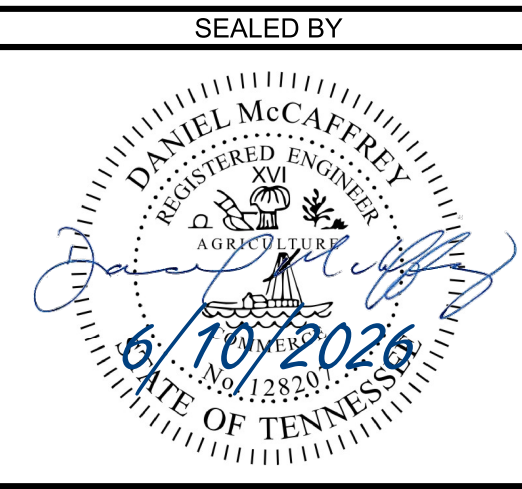
- A = BEAM/DIAPHRAGM SPALL REPAIRS
B = CONCRETE BEAM CLOSURE POUR SPALL REPAIRS
C = ADJUST, CLEAN, AND PAINT ABUTMENT BEARINGS
D = PAVEMENT AT BRIDGE END REPAIR
E = CLEAN BRIDGE DRAINS
F = CLEAN AND SEAL MODULAR JOINTS

NOTES:

1. FOR GENERAL NOTES, SEE SHEET BR-132-917.
2. FOR TRAFFIC CONTROL, SEE SHEETS T1 THROUGH T14.
3. ONLY BRIDGE END DRAINS ARE SHOWN IN THE PLAN AND ELEVATION VIEWS ABOVE FOR CLARITY. ALL BRIDGE DRAINS ALONG THE LENGTH OF THE BRIDGE SHALL BE CLEANED.



PIN NO.: 101896.03
DESIGN BY: FAA DATE: 01/2026
DRAWN BY: CTR DATE: 01/2026
SUPERVISED BY: DEM DATE: 01/2026
CHECKED BY: HK DATE: 01/2026



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
LAYOUT OF BRIDGE TO BE REPAIRED
SR114 OVER TENNESSEE RIVER
BRIDGE NO. 36-SR114-03.22
FED. I.D. NO. 36SR1140001
HARDIN COUNTY
2026

PROJECT NO.		YEAR		SHEET NO.	
36S114-M3-002		2026			
REVISIONS					
NO.	DATE	BY	BRIEF DESCRIPTION		
1	06-10-2026	DEM	MODIFIED NOTES FOR FULL DEPTH REPAIR		
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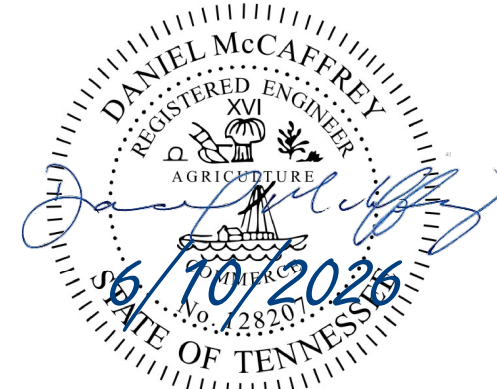


CONCRETE FOR DECK REPAIRS SHALL BE HIGH EARLY STRENGTH
CONCRETE F'C = 3,500 PSI @ 28 DAY COMPRESSIVE STRENGTH. TRAFFIC
SHALL NOT BE PERMITTED ON ANY REPAIR AREA UNTIL TEST
SPECIMENS ATTAIN A COMPRESSIVE STRENGTH OF 3,000 PSI MINIMUM
AND THE CONCRETE HAS BEEN IN PLACE A MINIMUM OF TEN (10) DAYS.

1) THE MAXIMUM HAMMER SIZE IS 90 POUND CLASS. FOR PARTIAL DEPTH SLAB REMOVAL AND ANY WORK OVER THE BEAMS, THE MAXIMUM HAMMER SIZE IS 60 POUND CLASS.

2) CHIPPING HAMMERS OF THE 15 POUND CLASS SHALL BE USED TO REMOVE CONCRETE FROM BENEATH ANY REINFORCING STEEL.

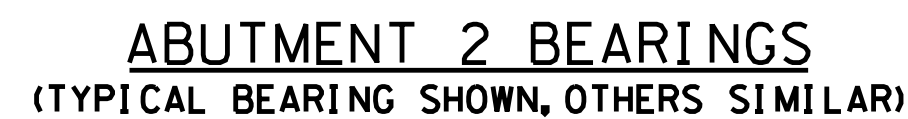
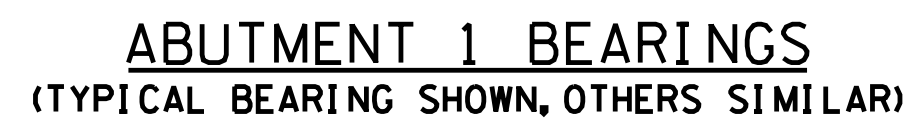
SEALD BY



MODJESKI and MASTERS

BR-132-919

PROJECT NO.		YEAR		SHEET NO.	
36S114-M3-002		2026			
REVISIONS					
NO.	DATE	BY	BRIEF DESCRIPTION		
1	06-10-2026	DEM	REVISED JOINT CLEANING NOTES		
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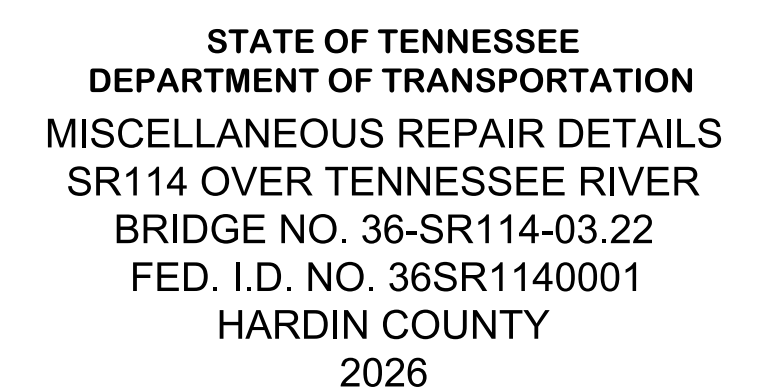
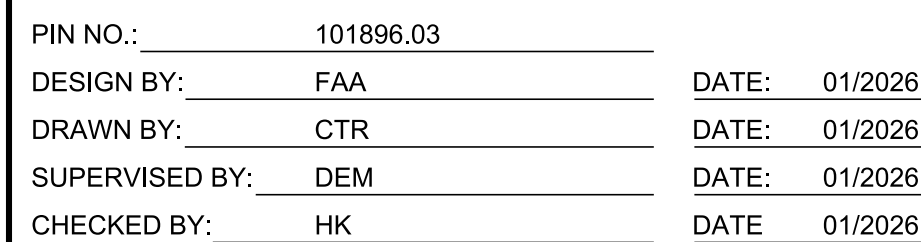


1. CLEAN AND REMOVE DEBRIS FROM AROUND BEARINGS.
2. REMOVE SURFACE RUST BY HAND OR POWER TOOL CLEANING. IF MORE THAN 1/16" THICKNESS MUST BE REMOVED TO FULLY REMOVE RUST IN ANY LOCATION, CONTACT THE ENGINEER FOR FURTHER INSTRUCTION. ENSURE ELASTOMER AND SLIDING SURFACES ARE PROTECTED DURING RUST REMOVAL OPERATIONS.
3. FOLLOWING RUST REMOVAL, PAINT STEEL PORTIONS OF BEARINGS IN ACCORDANCE WITH TDOT STANDARD SPECIFICATIONS.

1. EXISTING MODULAR JOINTS APPEAR TO BE MANUFACTURED BY THE D.S. BROWN COMPANY. CONTACT D.S. BROWN FOR ASSISTANCE WITH CLEANING AND SEALING THE JOINTS AS NEEDED.
2. REMOVE ALL DEBRIS FROM FULL LENGTH OF MODULAR JOINT AND CLEAN THE JOINT SEALS. DO NOT DAMAGE THE JOINT SEALS DURING DEBRIS REMOVAL OR CLEANING. IF JOINT SEALS ARE DAMAGED DURING CLEANING, REPAIR OR REPLACE AT NO COST TO THE DEPARTMENT.
3. INSPECT THE JOINT SEALS FOR EXCESSIVE WEAR, DAMAGE, OR TEARING. REPAIR ANY REGIONS WHICH SHOW ENOUGH WEAR, DAMAGE, OR TEARING THAT THE SEAL IS NO LONGER WATERPROOF.



1. REMOVE ALL DEBRIS, CLEAN, AND CLEAR THE VEGETATION FROM THE BRIDGE END DRAINS (4) AND ALL BRIDGE DECK DRAINS.
2. DO NOT DAMAGE THE DRAINS DURING CLEANING. IF DRAINS ARE DAMAGED DURING CLEANING, REPAIR OR REPLACE DAMAGED COMPONENTS AT NO COST TO TDOT.



1. FOR GENERAL NOTES, SEE SHEET BR-132-917.
2. FOR TRAFFIC CONTROL, SEE SHEETS T1 THROUGH T14.

BR-132-924