THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Allyson Foster Boyd

Allyson Foster Boyd
2025.07.15 09:38:27-04'00'

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

CDM Smith
1100 Marion Street
Suite 300
Knoxville, TN 37921
Allyson Foster Boyd, P.E. No. 119,736

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET	BRIDGE-SIGN1
TITLE SHEET	1
INDEX AND STANDARD DRAWINGS	1A
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES & UTILITY OWNERS	2A
GENERAL NOTES & SPECIAL NOTES	2B, 2B1
GUARDRAIL PLAN & PAVEMENT TRANSITION DETAILS (BR. NO. 65-SR62-13.77)	2C
TRAFFIC CONTROL PLAN BR. NO. 65-SR62-13.77 PHASE I	3, 3A – 3B
TRAFFIC CONTROL PLAN BR. NO. 65-SR62-13.77 PHASE II	4, 4A – 4B
TRAFFIC CONTROL PLANS – WIDE LOAD DETOUR	5

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Susanne Dawson

Susanne Dawson
2025.07.14 13:52:16-04'00'

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

CDM Smith
1100 Marion Street
Suite 300
Knoxville, TN 37921
Susanne Dawson, P.E. No. 111,826

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET	BRIDGE-SIGN1
TITLE SHEET	1
LAYOUT OF BRIDGE TO BE REPAIRED	BR-133-258
ESTIMATED BRIDGE QUANTITIES	BR-133-259
GENERAL NOTES	BR-133-260
PHASE CONSTRUCTION	BR-133-261
SUPERSTRUCTURE REPAIRS	BR-133-262
DECK REPLACEMENT PLAN	BR-133-263
DECK REPLACEMENT TYPICAL SECTION	BR-133-264
ABUTMENT REPAIRS	BR-133-265
WINGWALL, WINGPOST, AND BACKWALL MODIFICATIONS	BR-133-266
CONCRETE REPAIR DETAILS	BR-133-267

YEAR	PROJECT NO.	SHEET NO.
2025	65S062-M3-002	BRIDGE-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

BRIDGE NO. 65-SR62-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

PIN NO.: 081615.01

7/8/2025 8:27:25 AM
c:\pw_pl1\peplowta\d4294668\000_BRIDGE-SIGN1_WO17.dgn

INDEX OF SHEETS

SEE SHEET 1-A FOR
INDEX AND STANDARD DRAWINGS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

MORGAN COUNTY

BRIDGE OVER LITTLE CLEAR CREEK, LM 13.77

PS&E

BRIDGE REPAIR

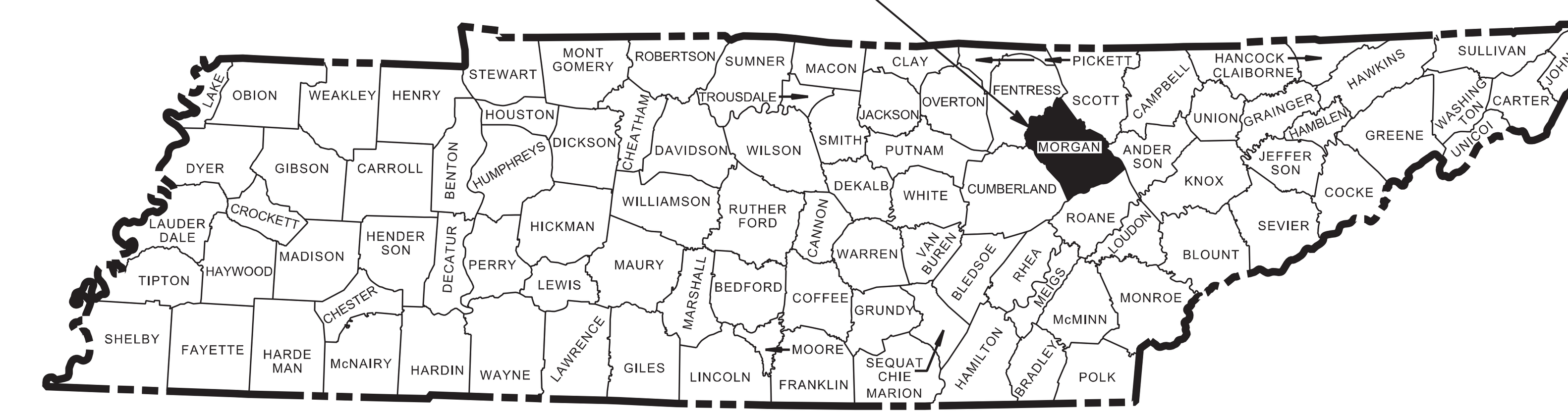
STATE HIGHWAY NO. 62

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO (circled)
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO (circled)

TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.		
STATE PROJ. NO.	65S062-M3-002	
FED. BRIDGE ID NOS.	65SR0620003	

MORGAN CO.

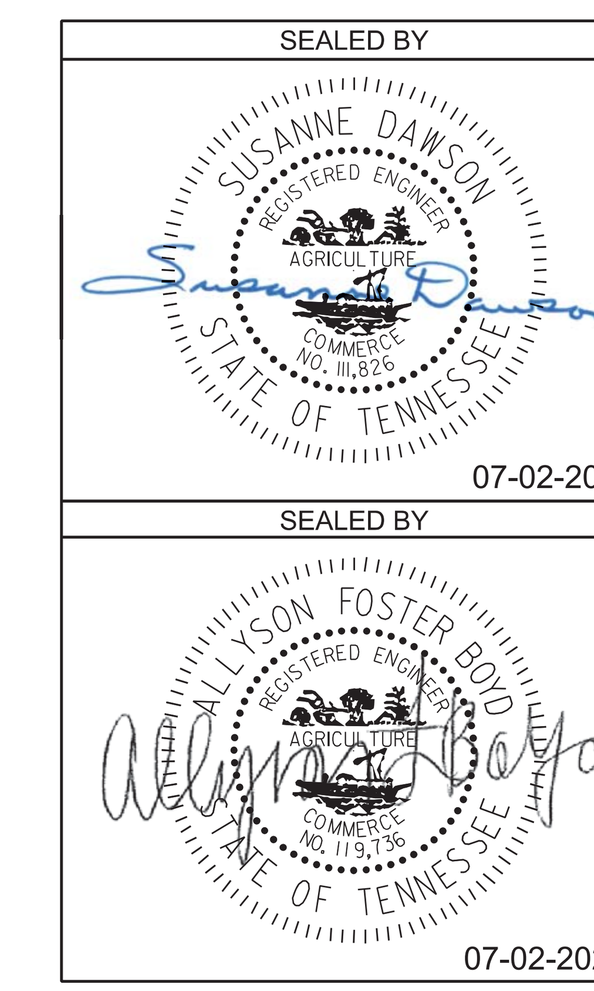
PROJECT LOCATION



BRIDGE ID. # 65-SR062-13.77

SCALE: 1"= 1 MILE

PS&E PLANS



SR 62

TRAFFIC DATA	
ADT (2025)	1,716
ADT (2045)	2,094
DHV (2025)	172
D	62-38
T (ADT)	5%
T (DHV)	5%
V	55 MPH

APPROVED: ______________________
WILL REID, CHIEF ENGINEER

DATE: ______________________

APPROVED: ______________________
WILL REID, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

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 : STEPHEN WILSON
DESIGNED BY : CDM Smith
DESIGNER : SUSANNE DAWSON, P.E.
P.E. NO. 65S062-M3-002
PIN NO. 081615.01

TOTAL DISTURBED AREA = LESS THAN AN ACRE

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	1A
PS&E	2025	65S062-M3-002	1A

MORGAN COUNTY SR-62

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	BRIDGE-SIGN1
TITLE SHEET	1
INDEX AND STANDARD DRAWINGS	1A
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES & UTILITY OWNERS	2A
GENERAL NOTES AND SPECIAL NOTES	2B - 2B1
GUARDRAIL PLAN AND PAVEMENT TRANSITION DETAILS	2C
TRAFFIC CONTROL PLAN BR. NO. 65-SR62-13.77 PHASE I	3, 3A - 3B
TRAFFIC CONTROL PLAN BR. NO. 65-SR62-13.77 PHASE II	4, 4A - 4B
TRAFFIC CONTROL PLANS – WIDE LOAD DETOUR	5

LIST OF BRIDGE DRAWINGS

DRAWING	SHT. NO.	DWG. NO.
LAYOUT OF BRIDGE TO BE REPAIRED	B-01	BR-133-258
ESTIMATED BRIDGE QUANTITIES	B-02	BR-133-259
GENERAL NOTES	B-03	BR-133-260
PHASE CONSTRUCTION	B-04	BR-133-261
SUPERSTRUCTURE REPAIRS	B-05	BR-133-262
DECK REPLACEMENT PLAN	B-06	BR-133-263
DECK REPLACEMENT TYPICAL SECTION	B-07	BR-133-264
ABUTMENT REPAIRS	B-08	BR-133-265
WINGWALL, WINGPOST, AND BACKWALL MODIFICATIONS	B-09	BR-133-266
CONCRETE REPAIR DETAILS	B-10	BR-133-267

LIST OF BRIDGE REFERENCE DRAWINGS

(TO BE PRINTED WITH PLANS)

M-257-136, M-257-139 THRU M-257-144

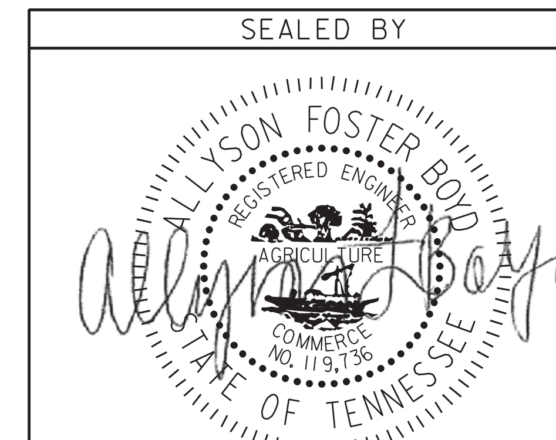
STANDARD BRIDGE DRAWINGS

DWG. NO.	REV. DATE	DRAWING
STD-1-1SS	07/24/2024	BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET
STD-1-5	06/05/2023	REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS
STD-10-1	06/05/2023	MISC. ABUTMENT AND DRAINAGE DETAILS
STD-10-2	06/05/2023	MISC. ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS
STD-10-3	01/10/2024	STANDARD FLUME DETAILS

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
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	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
SAFETY DESIGN AND GUARDRAILS		
S-CC-1	10-01-24	CRASH CUSHION
S-GRC-4	01-30-25	GUARDRAIL CONNECTION TO BRIDGE RAILING CONCRETE PARAPET
DESIGN - TRAFFIC CONTROL		
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-21	03-26-25	LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT
T-WZ-32	03-26-25	TRAFFIC CONTROL PLAN SIGNAL LAYOUT FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-33	03-26-25	TRAFFIC CONTROL PLAN FOR CLOSE INTERSECTION CONDITIONS USING 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-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-PCB3	03-26-25	PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4	03-26-25	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

SEALED BY



07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INDEX
AND
STANDARD
DRAWINGS

PIN NO.: 081615.01

7/14/2025 7:37:38 AM
c:\pw_pl1\peplowta\d4294668\001A_Index.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	1B
PS&E	2025	65S062-M3-002	1B

MORGAN COUNTY SR-62

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDEC001	ENVIRONMENTAL DIVISION, ECOLOGY	All necessary tree clearing within project limits will be completed between October 1 and March 31.	Bridge No. 65SR0620003 SR-62 over Little Clear Creek LM 13.77 (65-SR062-13.77)
EDHZ001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	An Asbestos Containing Material (ACM) survey was completed on Bridge No. 65SR0620003 SR-62 over Little Clear Creek LM 13.77 (65-SR062-13.77). 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. 65SR0620003 SR-62 over Little Clear Creek LM 13.77 (65-SR062-13.77)

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115,176
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT COMMITMENTS

7/14/2025 7:39:47 AM
c:\pw_pif1\peploxtad\d4294668\001B_Project_Commitments.dgn

PIN NO.: 081615.01

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	2A
PS&E	2025	65S062-M3-002	2A

MORGAN COUNTY SR-62

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	37
(11)	303-10.04	MINERAL AGGREGATE (SIZE **)	TON	675
	403-01	BITUMINOUS MATERIAL FOR TACK COAT	TON	1
	411-01.10	ACS MIX (PG64-22) GRADING D	TON	30
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	444
	705-06.25	THRIE BEAM BRIDGE TRANSITION MASH TL-3	EACH	4
(1)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	40
(2)(3)	712-01	TRAFFIC CONTROL	LS	1
(4)(5)	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	540
(6)	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	2
(2)	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	47
	712-04.50	BARRIER RAIL DELINEATOR	EACH	27
(7)(8)	712-06	SIGNS (CONSTRUCTION)	S.F.	620
(9)	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	3,834
(9)	712-09.31	REMOVABLE BLACK-OUT TAPE (8")	L.F.	1,853
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	0.3
	717-01	MOBILIZATION	LS	1
	730-40	TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
	740-07.04	GEOGRID REINFORCEMENT TYPE 2	S.Y.	2348
(10)	740-10.04	GEOTEXTILE (TYPE IV) STABILIZATION	S.Y.	441

TRAFFIC CONTROL SIGN QUANTITIES

SIGN NO.	DESCRIPTION	SIZE	QUANTITY		AREA (S.F.)
			PHASE 1	PHASE 2	
G20-2	END ROAD WORK	36X18	4	4	18
R10-6	STOP HERE ON RED	24X36	2	2	12
R10-6 (MOD)	STAY IN LANE TO EXTEND GREE	30X42	2	2	17.5
R10-11a	NO TURN ON RED	30X36	2	2	15.0
W1-4R	REVERSE CURVE	36X36	1	1	9
W3-3	SIGNAL AHEAD	30X30	2	2	12.5
W3-4	BE PREPARED TO STOP	36X36	2	2	18
W16-2PC	1000 FEET	24X18	2	2	6
W20-1	ROAD WORK AHEAD	36X36	2	2	18
W20-1F	ROAD WORK 1500 FT	36X36	2	2	18
W20-1F	ROAD WORK 1000 FT	36X36	2	2	18
W20-1F	ROAD WORK 500 FT	36X36	2	2	18
W20-4F	ONE LANE ROAD 1500 FT	36X36	2	2	18
W20-1M	ROAD WORK 1/2 MILE	36X36	2	2	18
W20-7	FLAGGER AHEAD	36x36	2	2	18
CUSTOM	MAXIMUM __ MINUTE RED	42X48	2	2	28
CUSTOM	MAINTAIN __ M.P.H. SPEED	42X36	2	2	21
TOTAL					283

WIDE LOAD DETOUR SIGN QUANTITIES

SIGN NO.	DESCRIPTION	SIZE	QUANTITY	AREA (S.F.)
CUSTOM	WIDE LOAD	24"X12"	25	50
M4-8	DETOUR	24"X12"	25	50
M3-2	EAST	24"X12"	13	26
M3-4	WEST	24"X12"	12	24
TN-6C	TN-62	30"X24"	25	125
M6-1	LEFT ARROW	21"X15"	8	17.5
M6-1	RIGHT ARROW	21"X15"	6	13.125
M6-3	STRAIGHT ARROW	21"X15"	6	13.125
W16-3aP	1/2 MILE	30"X12"	5	12.5
M4-8a	END DETOUR	24"X18"	2	6
TOTAL				337

FOOTNOTES

(1) FOR FLUME. ITEM INCLUDES ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION.

(2) ALL COSTS ASSOCIATED WITH INSTALLING, STORING, AND RE-INSTALLING ALL TRAFFIC CONTROL DEVICES DURING AND BETWEEN THE DIFFERENT TRAFFIC CONTROL PHASES WILL BE INCLUDED IN THE BID ITEM OF EACH ITEM. DURING THE TIME BETWEEN DIFFERENT TRAFFIC CONTROL PHASES, THE CONTRACTOR SHALL STORE ALL TRAFFIC CONTROL DEVICES IN A PROPER LOCATION THAT WILL NOT INTERFERE WITH THE TRAFFIC FLOW. ALL WORK MUST MEET THE FULL APPROVAL OF THE TDOT ENGINEER.

(3) ITEM TO INCLUDE THE COST AND INSTALLATION OF TWO RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS FOR DRIVEWAYS AT EITHER END OF THE BRIDGE PER APPROVAL OF THE TDOT TRAFFIC DESIGN DIVISION. SEE TM2502 FOR DETAILS.

(4) ITEM SHALL INCLUDE INSTALLING AND RELOCATING PORTABLE BARRIER RAIL.

(5) ITEM MAY BE REPLACED WITH MASH TL-3 APPROVED BARRIER FROM QPL 45, IF UNAVAILABLE. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS LISTED FOR THE APPROVED BARRIER.

(6) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF NCHRP 350 FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS LISTED ON THE MANUFACTURER'S SHOP DRAWING.

(7) THIS ITEM INCLUDES THE INSPECTION AND MAINTENANCE OF ANY SIGNING AND TRAFFIC CONTROL APPURTENANCES DURING THE CONSTRUCTION OPERATIONS.

(8) INCLUDES ALL COSTS ASSOCIATED WITH THE INSTALLATION AND MAINTENANCE OF SIGN PANELS, SHEETING AND SUPPORTS.

(9) TO SUPPORT LANE SHIFTS AND CHANGES TO TRAVEL PATH FOR THE LANE CLOSURES REQUIRED FOR CONSTRUCTION. ITEM INCLUDES APPLICATION AND REMOVAL OF TEMPORARY MARKINGS FOR EACH CONSTRUCTION PHASE.

(10) INCLUDES 27 SY FOR FLUME AND 414 SY FOR PABE REBUILD. THIS ITEM SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF GEOTEXTILE REINFORCEMENT.

(11) FOR PABE REBUILD. ALLOWABLE GRADATIONS ARE #4, #5, #57, #67, #68, #7, #78, AND #8. SEE TDOT STD DWG. STD-10-2.

UTILITY OWNERS

WATER:

PLATEAU UTILITY DISTRICT
121 NORTH KINGSTON STREET, PO BOX 407
WARTBURG, TN 37887
CONTACT: MICHAEL MONROE
OFFICE PHONE: (423) 346-3101
CELL PHONE: (423) 346-8320
EMAIL: mmonroe@plateauutility.com

GAS:

SPECTRA ENERGY ENBRIDGE, FORMERLY EAST TENNESSEE NATURAL GAS
1575 DOWNTOWN WEST BLVD.
KNOXVILLE, TN 37919
CONTACT: GREG DAVISSON
OFFICE PHONE: (865) 539-3283
EMAIL: gbdavisson@spectraenergy.com

GAS:

CITIZENS GAS UTILITY (MORGAN)
12519 SCOTT HIGHWAY, PO BOX 320
HELENWOOD, TN 37755
CONTACT: EVERETT (TREYE) DANNER
OFFICE PHONE: (423) 569-4457
CELL PHONE: (423) 319-6329
EMAIL: tdanner@citizensgas.org

CABLE:

XFINITY, FORMERLY COMCAST
5720 ASHEVILLE HWY
KNOXVILLE, TN 37924
CONTACT: JAMES MCCAWLEY
OFFICE PHONE: (865) 862-5016
CELL PHONE: (865) 312-2340
EMAIL: james_mccawley@cable.comcast.com

UTILITY NOTES

UTILITY

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

SEALED BY

ALLYSON FOSTER BOYD REGISTERED ENGINEER AGRICULTURE COMMERCE & INDUSTRY STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES & UTILITY OWNERS

PIN NO.: 081615.01

7/14/2025 7:45:23 AM
c:\pw_pl1\peplowald\d4294668\002A_Est_Roadway_Quan.dgn

GENERAL NOTES

FINAL PAVEMENT MARKING

(1) 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.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(1) BEFORE OPENING THE ROADWAY TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 712-09.02 REMOVABLE PAVEMENT MARKING (8" BARRIER LINE) PER L.F. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED AND ALL EXISTING RAISED PAVEMENT MARKERS SHALL BE REMOVED TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS AND RAISED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL, LUMP SUM.

TRAFFIC CONTROL DIRECTIONAL SIGNING

(1) ON ALL ACCESS CONTROLLED AND INTERSTATE RECONSTRUCTION AND NEW CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL UTILIZE ALL EXISTING DIRECTIONAL SIGNING FOR AS LONG AS POSSIBLE. THESE EXISTING SIGNS CAN BE MOVED USING TEMPORARY SUPPORTS AS NEEDED. AS SOON AS THESE EXISTING DIRECTIONAL SIGNS COME DOWN PERMANENTLY, THE CONTRACTOR SHALL HAVE UP AT LEAST ONE NEW TEMPORARY "ADVANCE GUIDE SIGN" AND ONE NEW TEMPORARY "EXIT DIRECTIONAL SIGN" AT ALL EXIT RAMPS. THESE SIGNS ARE TO BE MAINTAINED WITHIN CLEAR VIEW OF THE PUBLIC ON THE RIGHT SIDE OF THE HIGHWAY AND SHALL BE REPLACED IF DAMAGED, DURING ALL PHASES OF CONSTRUCTION, AS DIRECTED BY THE ENGINEER.

(2) THE SIZE OF THESE NEW TEMPORARY SIGNS WILL BE DETERMINED BY THE MESSAGE. THE MESSAGE SHALL BE THE SAME AS THE EXISTING SIGN THAT THESE NEW TEMPORARY SIGNS WILL BE REPLACING. THE LETTER SIZE SHALL BE A MINIMUM OF 8 INCH, "D" UPPER CASE LETTER. THE DIRECTIONAL ARROW WILL BE A "B" ARROW AT A 45 DEGREE ANGLE (SAME ANGLE AS THE EXISTING ARROW). THE MATERIAL SHALL BE 0.100 INCH SHEET ALUMINUM; THE COLOR SHALL BE A REFLECTIVE GREEN BACKGROUND WITH REFLECTIVE WHITE COPY.

(3) ALL WORK AND MATERIAL TO MAKE THESE NEW TEMPORARY DIRECTIONAL SIGNS ALONG WITH ADEQUATE SUPPORTS AND TO MOVE THEM AS NEEDED DURING EACH PHASE OF CONSTRUCTION WILL BE PAID FOR UNDER ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F. , AS DIRECTED BY THE ENGINEER.

(4) SOME OF THESE DIRECTIONAL SIGNS WILL NEED AN INTERSTATE, U.S., OR A STATE HIGHWAY SHIELD, A CARDINAL DIRECTION, AND A DIRECTION ARROW TO ACCOMPANY THE DIRECTIONAL SIGN. THESE SIGNS SHALL BE MOUNTED BELOW THE DIRECTIONAL SIGN.

(5) ALL EXISTING "EMERGENCY REFERENCE MARKERS" AND "HOSPITAL SIGNS" SHALL BE MAINTAINED WITHIN FULL VIEW OF THE MOTORING PUBLIC THROUGHOUT ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING AND TEMPORARY SUPPORTS SHALL BE PAID FOR UNDER ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F. .

PAVEMENT

PAVING

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

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

(3) THE CONTRACTOR SHALL ATTACH A DEVICE TO THE SCREED OF THE PAVER SUCH THAT MATERIAL IS CONFINED AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A CONSOLIDATED WEDGE-SHAPE PAVEMENT EDGE OF APPROXIMATELY 25 TO 30 DEGREES AS IT LEAVES THE PAVER (MEASURED FROM A LINE PARALLEL TO THE PAVEMENT SURFACE.) THE DEVICE SHALL MEET THE REQUIREMENTS THAT ARE CURRENTLY SET FORTH IN SPECIAL PROVISION 407SE.

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.

(8) ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED, AND FLEXIBLE DRUMS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.

(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.

SPECIAL NOTES

DEMOLITION, REPAIR, OR REHABILITATION OF BRIDGES

(1) THE CONTRACTOR SHALL VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATIONS ACTIVITIES (NOT INCLUDING ASPHALT MILLING OR OVERLAY).

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATION OF BRIDGE(S). ABATEMENT SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

(3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE TO THE TDEC, DIVISION OF AIR POLLUTION CONTROL TEN (10) DAYS IN ADVANCE OF ANY ACM ABATEMENT, DEMOLITION, OR MAJOR REPAIR INVOLVING THE REMOVAL/REPLACEMENT OF A STRUCTURAL COMPONENT.

ENVIRONMENTAL GENERAL NOTES

PROJECT COMMITMENTS

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

SCOPE OF WORK

(2) THIS PROJECT IS A BRIDGE REPAIR PROJECT TO RESTORE THE SR-62 (NASHVILLE HWY) BRIDGE OVER LITTLE CLEAR CREEK THAT IS IN NEED OF REPAIRS.

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

(2) 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.

(3) 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

(4) 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.

(5) 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.

(6) 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.

(7) 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	2B
PS&E	2025	65S062-M3-002	2B

MORGAN COUNTY SR-62

SEALED BY

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

7/14/2025 7:46:46 AM
c:\pw_pf1\peplowtd\d4294668\002B_GeneralNotes.dgn

PIN NO.: 081615.01

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	2B1
PS&E	2025	65S062-M3-002	2B1

MORGAN COUNTY SR-62

(8) 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.

(9) 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.

(10) 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.

(11) 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.

(12) 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.

(13) 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.

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
& FINANCE
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SPECIAL NOTES

PIN NO.: 081615.01

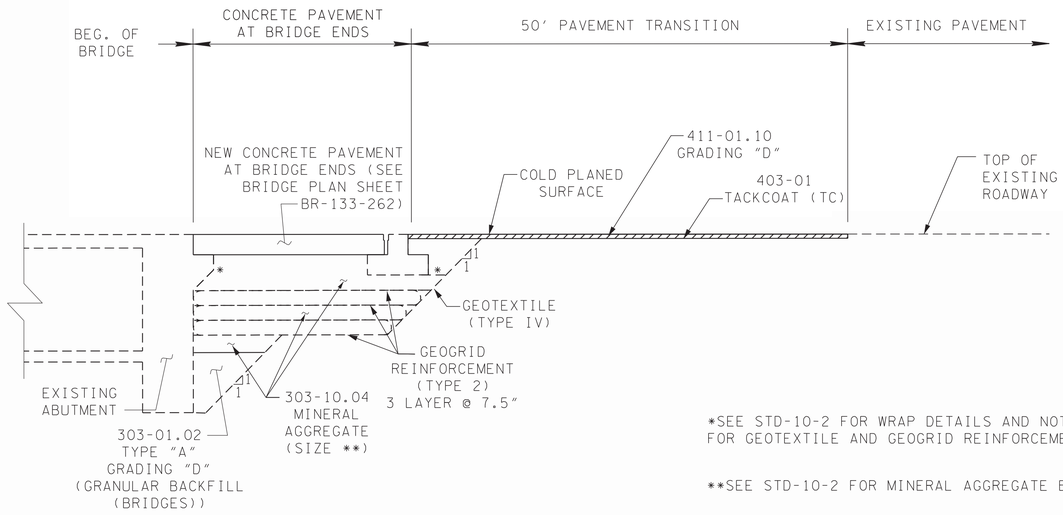
7/14/2025 7:47:20 AM
c:\pw_pl1\peplowtal\d4294668\002B_GeneralNotes.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	2C
PS&E	2025	65S062-M3-002	2C

MORGAN COUNTY SR-62

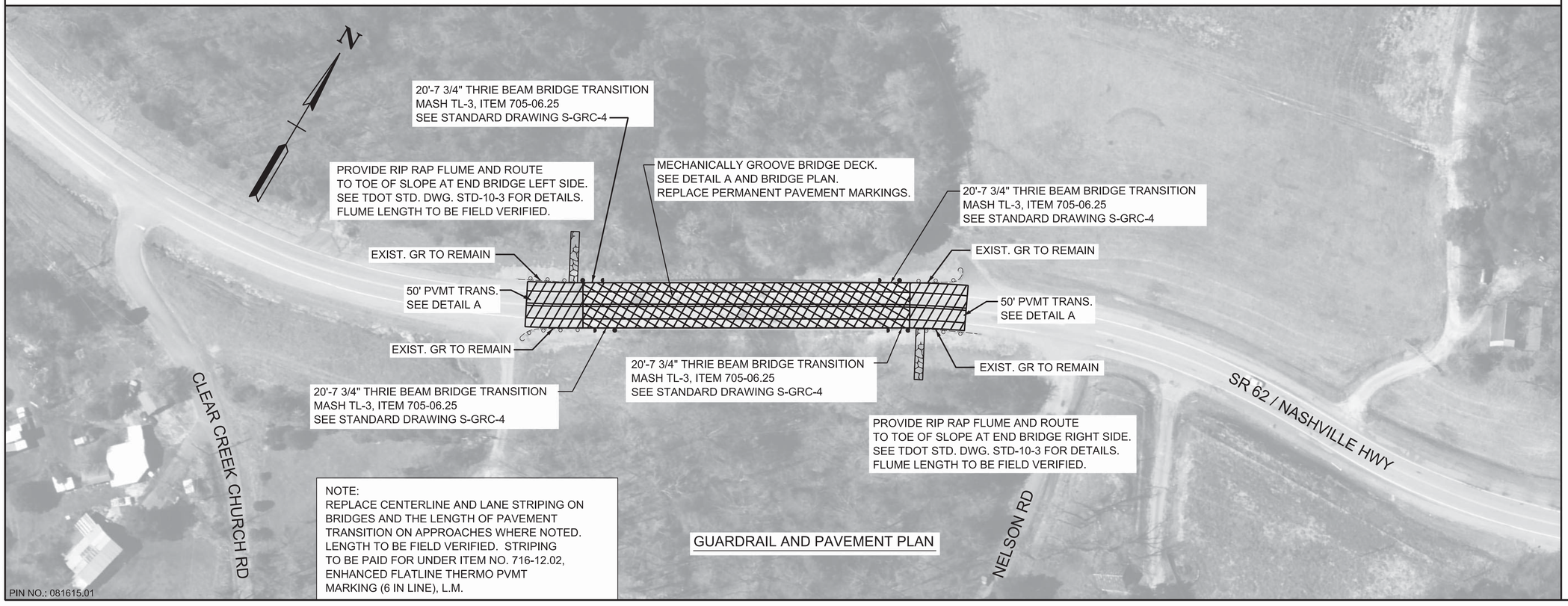
DETAIL A

N.T.S.



*SEE STD-10-2 FOR WRAP DETAILS AND NOTES FOR GEOTEXTILE AND GEOGRID REINFORCEMENT.

**SEE STD-10-2 FOR MINERAL AGGREGATE BACKFILL DETAILS.



GUARDRAIL AND PAVEMENT PLAN

PIN NO.: 081615.01

SEALED BY

ALLYSON FOSTER BOYD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 119,176 STATE OF TENNESSEE

07-02-2025

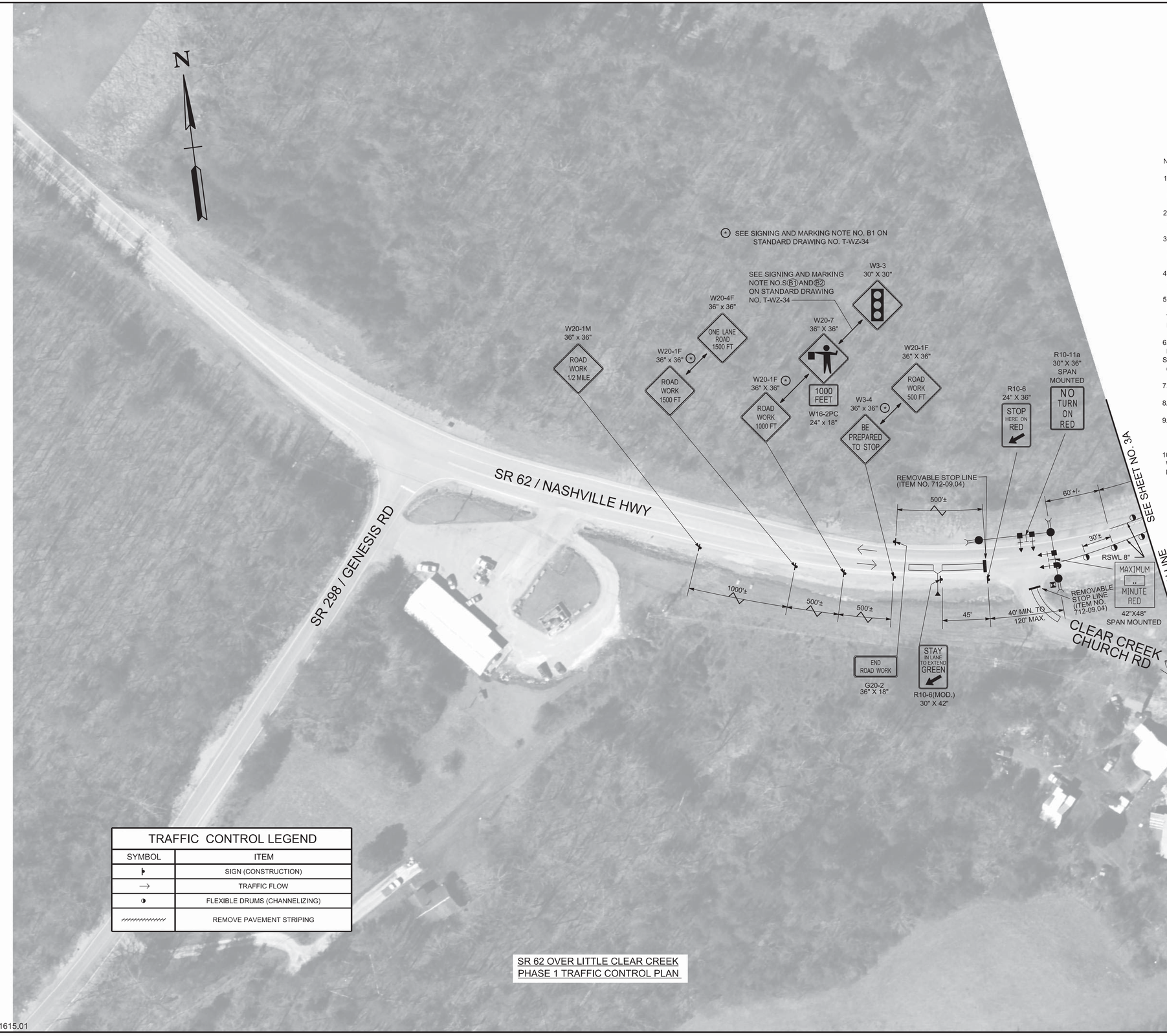
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GUARDRAIL PLAN AND PAVEMENT TRANSITION DETAILS

7/14/2025 7:50:41 AM
c:\pw_pl1\peplowtd\d4294668\002C_TMP_SR62_PvmtL_Trans.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	3
PS&E	2025	65S062-M3-002	3

MORGAN COUNTY SR-62



NOTES:

1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO BRIDGE REPAIR WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. IF SIGNS ARE PLACED BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGN FACES SHOULD BE FULLY COVERED.
2. THIS CONSTRUCTION PHASE IS TO BE CONDUCTED DURING THE SINGLW LANE CLOSURE OF SR-62.
3. RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS SHALL BE INSTALLED AT DRIVEWAYS LOCATED WITHIN THE WORK ZONE UPON APPORVAL FROM THE TDOT TRAFFIC DESIGN DIVISION.
4. WIDE LOADS WILL BE DETOURED AROUND THE PROJECT AREA VIA SR-329 AND US-27. SEE SHEET 5 FOR DETAILS.
5. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR THE ITEM NO. 712-06. SIGNS (CONSTRUCTION). SQ. FT.
7. FOR ADDITIONAL NOTES AND DETAILS, SEE TDOT STD. DWG. T-WZ-32 AND T-WZ-33.
8. SEE SHEET 2A FOR QUANTITIES.
9. CHANGEABLE MESSAGE SIGNS MAY BE PLACED PRIOR TO BRIDGE REPAID WORK TO ALERT ROAD USERS OF CONSTRUCTION. LOCATION AND MESSAGE TO BE DETERMINED BY THE TDOT ENGINEER.
10. PAVEMENT MARKINGS THAT CONFLICT WITH TRAVEL LANES SHALL BE COVERED WITH BLACK OUT TAPE DURING CONSTRUCTION AND REMOVED WHEN WORK IS NO LONGER CONDUCTED.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)
	REMOVE PAVEMENT STRIPING

SR 62 OVER LITTLE CLEAR CREEK
PHASE 1 TRAFFIC CONTROL PLAN

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115,757
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

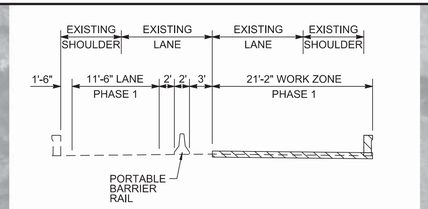
TRAFFIC CONTROL PLAN
BR. NO. 65-SR62-13.77
PHASE I

PIN NO.: 081615.01

7/14/2025 7:53:07 AM
c:\pw_pl1\peplowtd\d4294668003_TMP_SR62_Phase 1.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	3A
PS&E	2025	65S062-M3-002	3A

MORGAN COUNTY SR-62



PHASE I CROSS-SECTION A-A

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▶	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
◑	FLEXIBLE DRUMS (CHANNELIZING)
//////////////	REMOVE PAVEMENT STRIPING
○	FLEXIBLE DELINEATOR (GROUND MOUNTED)

SR 62 OVER LITTLE CLEAR CREEK
PHASE 1 TRAFFIC CONTROL PLAN

NOTES:

1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO BRIDGE REPAIR WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. IF SIGNS ARE PLACED BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGN FACES SHOULD BE FULLY COVERED.
2. THIS CONSTRUCTION PHASE IS TO BE CONDUCTED DURING THE SINGLW LANE CLOSURE OF SR-62.
3. RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS SHALL BE INSTALLED AT DRIVEWAYS LOCATED WITHIN THE WORK ZONE UPON APPORVAL FROM THE TDOT TRAFFIC DESIGN DIVISION.
4. WIDE LOADS WILL BE DETOURED AROUND THE PROJECT AREA VIA SR-329 AND US-27. SEE SHEET 5 FOR DETAILS.
5. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR THE ITEM NO. 712-06. SIGNS (CONSTRUCTION). SQ. FT.
7. FOR ADDITIONAL NOTES AND DETAILS, SEE TDOT STD. DWG. T-WZ-32 AND T-WZ-33.
8. SEE SHEET 2A FOR QUANTITIES.
9. CHANGEABLE MESSAGE SIGNS MAY BE PLACED PRIOR TO BRIDGE REPAID WORK TO ALERT ROAD USERS OF CONSTRUCTION. LOCATION AND MESSAGE TO BE DETERMINED BY THE TDOT ENGINEER.
10. PAVEMENT MARKINGS THAT CONFLICT WITH TRAVEL LANES SHALL BE COVERED WITH BLACK OUT TAPE DURING CONSTRUCTION AND REMOVED WHEN WORK IS NO LONGER CONDUCTED.

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 111,913
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

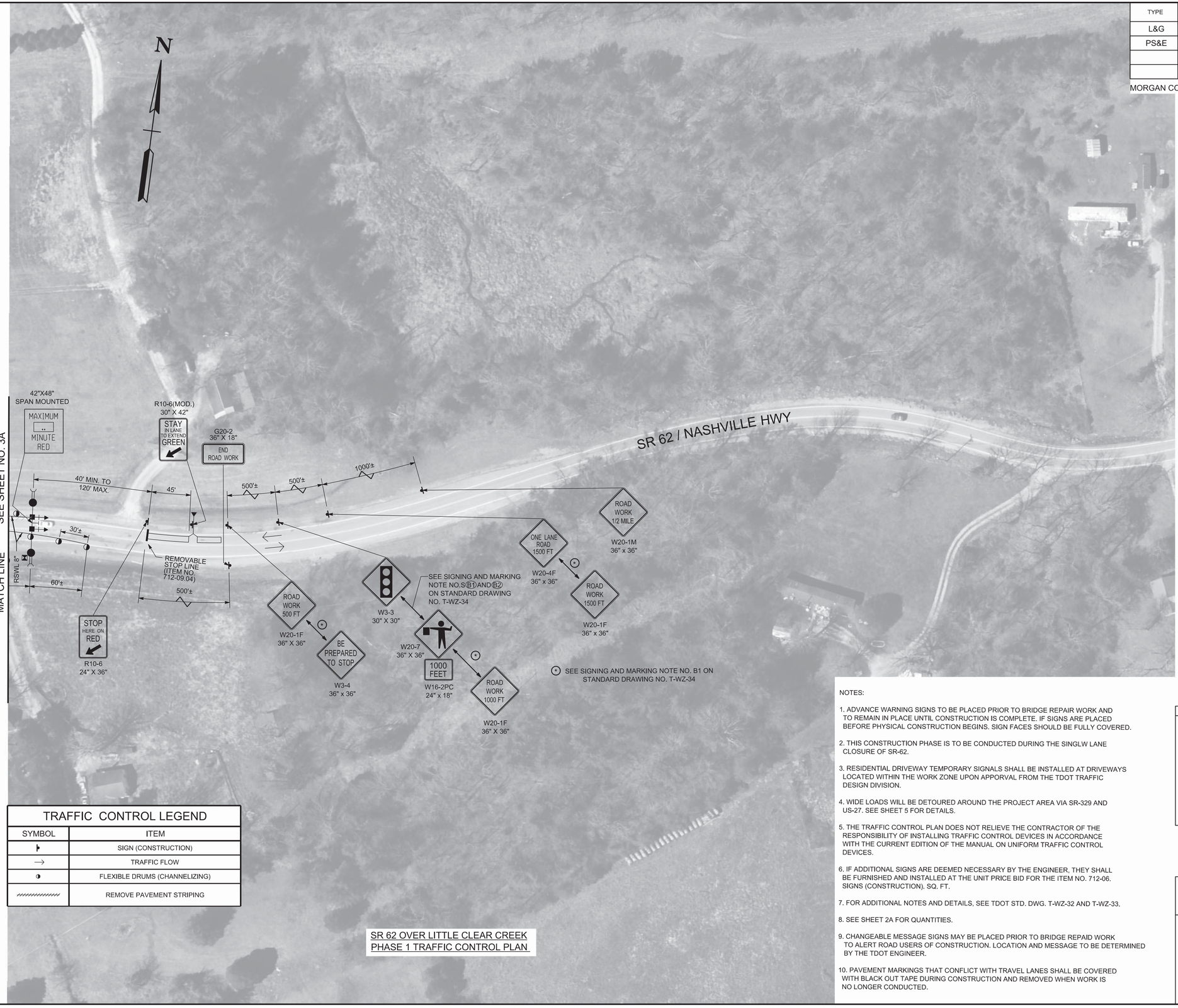
TRAFFIC CONTROL PLAN
BR. NO. 65-SR62-13.77
PHASE I

PIN NO.: 081615.01

7/14/2025 7:56:01 AM
c:\pw_pl1\peplowtai\d4294668\003A_TMP_SR62_Phase 1.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	3B
PS&E	2025	65S062-M3-002	3B

MORGAN COUNTY SR-62



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)
	REMOVE PAVEMENT STRIPING

SR 62 OVER LITTLE CLEAR CREEK
PHASE 1 TRAFFIC CONTROL PLAN

NOTES:

1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO BRIDGE REPAIR WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. IF SIGNS ARE PLACED BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGN FACES SHOULD BE FULLY COVERED.

2. THIS CONSTRUCTION PHASE IS TO BE CONDUCTED DURING THE SINGLW LANE CLOSURE OF SR-62.

3. RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS SHALL BE INSTALLED AT DRIVEWAYS LOCATED WITHIN THE WORK ZONE UPON APPORVAL FROM THE TDOT TRAFFIC DESIGN DIVISION.

4. WIDE LOADS WILL BE DETOURED AROUND THE PROJECT AREA VIA SR-329 AND US-27. SEE SHEET 5 FOR DETAILS.

5. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

6. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR THE ITEM NO. 712-06. SIGNS (CONSTRUCTION), SQ. FT.

7. FOR ADDITIONAL NOTES AND DETAILS, SEE TDOT STD. DWG. T-WZ-32 AND T-WZ-33.

8. SEE SHEET 2A FOR QUANTITIES.

9. CHANGEABLE MESSAGE SIGNS MAY BE PLACED PRIOR TO BRIDGE REPAID WORK TO ALERT ROAD USERS OF CONSTRUCTION. LOCATION AND MESSAGE TO BE DETERMINED BY THE TDOT ENGINEER.

10. PAVEMENT MARKINGS THAT CONFLICT WITH TRAVEL LANES SHALL BE COVERED WITH BLACK OUT TAPE DURING CONSTRUCTION AND REMOVED WHEN WORK IS NO LONGER CONDUCTED.

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 113196
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

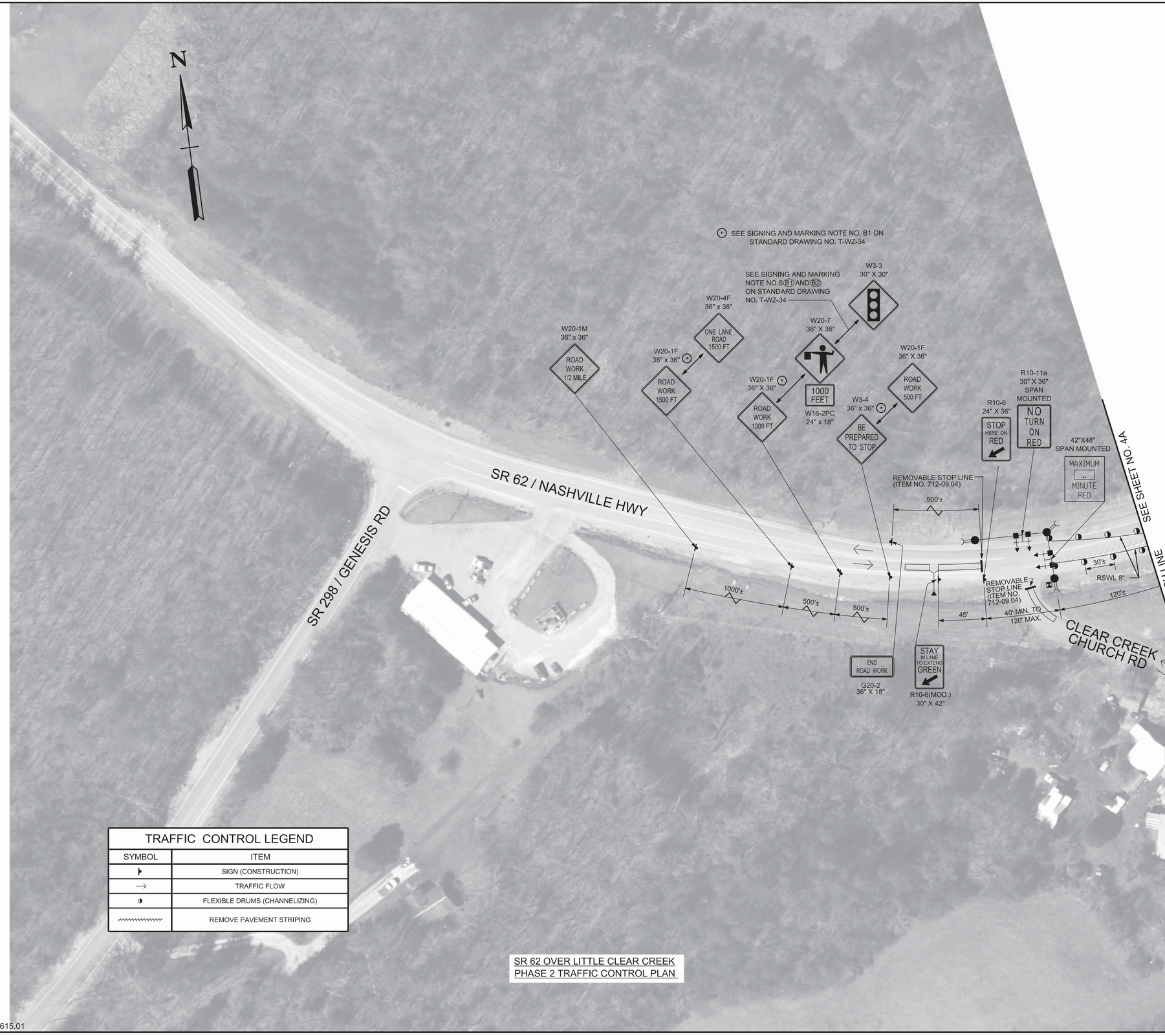
TRAFFIC CONTROL PLAN
BR. NO. 65-SR62-13.77
PHASE I

PIN NO.: 081615.01

7/14/2025 7:58:42 AM
c:\pw_pl1\peplowa\d42946680003B_TMP_SR62_Phase 1.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	4
PS&E	2025	65S062-M3-002	4

MORGAN COUNTY SR-62



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)
	REMOVE PAVEMENT STRIPING

SR 62 OVER LITTLE CLEAR CREEK
PHASE 2 TRAFFIC CONTROL PLAN

NOTES:

1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO BRIDGE REPAIR WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. IF SIGNS ARE PLACED BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGN FACES SHOULD BE FULLY COVERED.
2. THIS CONSTRUCTION PHASE IS TO BE CONDUCTED DURING THE SINGLW LANE CLOSURE OF SR-62.
3. RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS SHALL BE INSTALLED AT DRIVEWAYS LOCATED WITHIN THE WORK ZONE UPON APPORVAL FROM THE TDOT TRAFFIC DESIGN DIVISION.
4. WIDE LOADS WILL BE DETOURED AROUND THE PROJECT AREA VIA SR-329 AND US-27. SEE SHEET 5 FOR DETAILS.
5. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR THE ITEM NO. 712-06. SIGNS (CONSTRUCTION). SQ. FT.
7. FOR ADDITIONAL NOTES AND DETAILS, SEE TDOT STD. DWG. T-WZ-32 AND T-WZ-33.
8. SEE SHEET 2A FOR QUANTITIES.
9. CHANGEABLE MESSAGE SIGNS MAY BE PLACED PRIOR TO BRIDGE REPAID WORK TO ALERT ROAD USERS OF CONSTRUCTION. LOCATION AND MESSAGE TO BE DETERMINED BY THE TDOT ENGINEER.
10. PAVEMENT MARKINGS THAT CONFLICT WITH TRAVEL LANES SHALL BE COVERED WITH BLACK OUT TAPE DURING CONSTRUCTION AND REMOVED WHEN WORK IS NO LONGER CONDUCTED.

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115,757
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

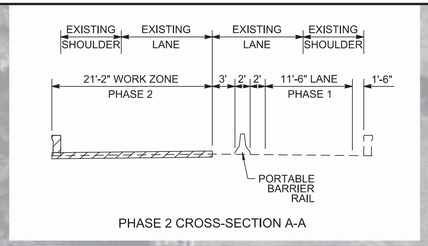
TRAFFIC CONTROL PLAN
BR. NO. 65-SR62-13.77
PHASE II

PIN NO.: 081615.01

7/14/2025 8:01:12 AM
c:\pw_pl1\peplowtd\d4294668004_TMP_SR62_Phase 2.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	4A
PS&E	2025	65S062-M3-002	4A

MORGAN COUNTY SR-62



PHASE 2 CROSS-SECTION A-A

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)
	REMOVE PAVEMENT STRIPING
○	FLEXIBLE DELINEATOR (GROUND MOUNTED)

SR 62 OVER LITTLE CLEAR CREEK
PHASE 2 TRAFFIC CONTROL PLAN

NOTES:

1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO BRIDGE REPAIR WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. IF SIGNS ARE PLACED BEFORE PHYSICAL CONSTRUCTION BEGINS, SIGN FACES SHOULD BE FULLY COVERED.
2. THIS CONSTRUCTION PHASE IS TO BE CONDUCTED DURING THE SINGLE LANE CLOSURE OF SR-62.
3. RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS SHALL BE INSTALLED AT DRIVEWAYS LOCATED WITHIN THE WORK ZONE UPON APPROVAL FROM THE TDOT TRAFFIC DESIGN DIVISION.
4. WIDE LOADS WILL BE DETOURED AROUND THE PROJECT AREA VIA SR-329 AND US-27. SEE SHEET 5 FOR DETAILS.
5. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION), SQ. FT.
7. FOR ADDITIONAL NOTES AND DETAILS, SEE TDOT STD. DWG. T-WZ-32 AND T-WZ-33.
8. SEE SHEET 2A FOR QUANTITIES.
9. CHANGEABLE MESSAGE SIGNS MAY BE PLACED PRIOR TO BRIDGE REPAIR WORK TO ALERT ROAD USERS OF CONSTRUCTION. LOCATION AND MESSAGE TO BE DETERMINED BY THE TDOT ENGINEER.
10. PAVEMENT MARKINGS THAT CONFLICT WITH TRAVEL LANES SHALL BE COVERED WITH BLACK OUT TAPE DURING CONSTRUCTION AND REMOVED WHEN WORK IS NO LONGER CONDUCTED.

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGENT OF RECORD
COMMERCE
NO. 113196
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

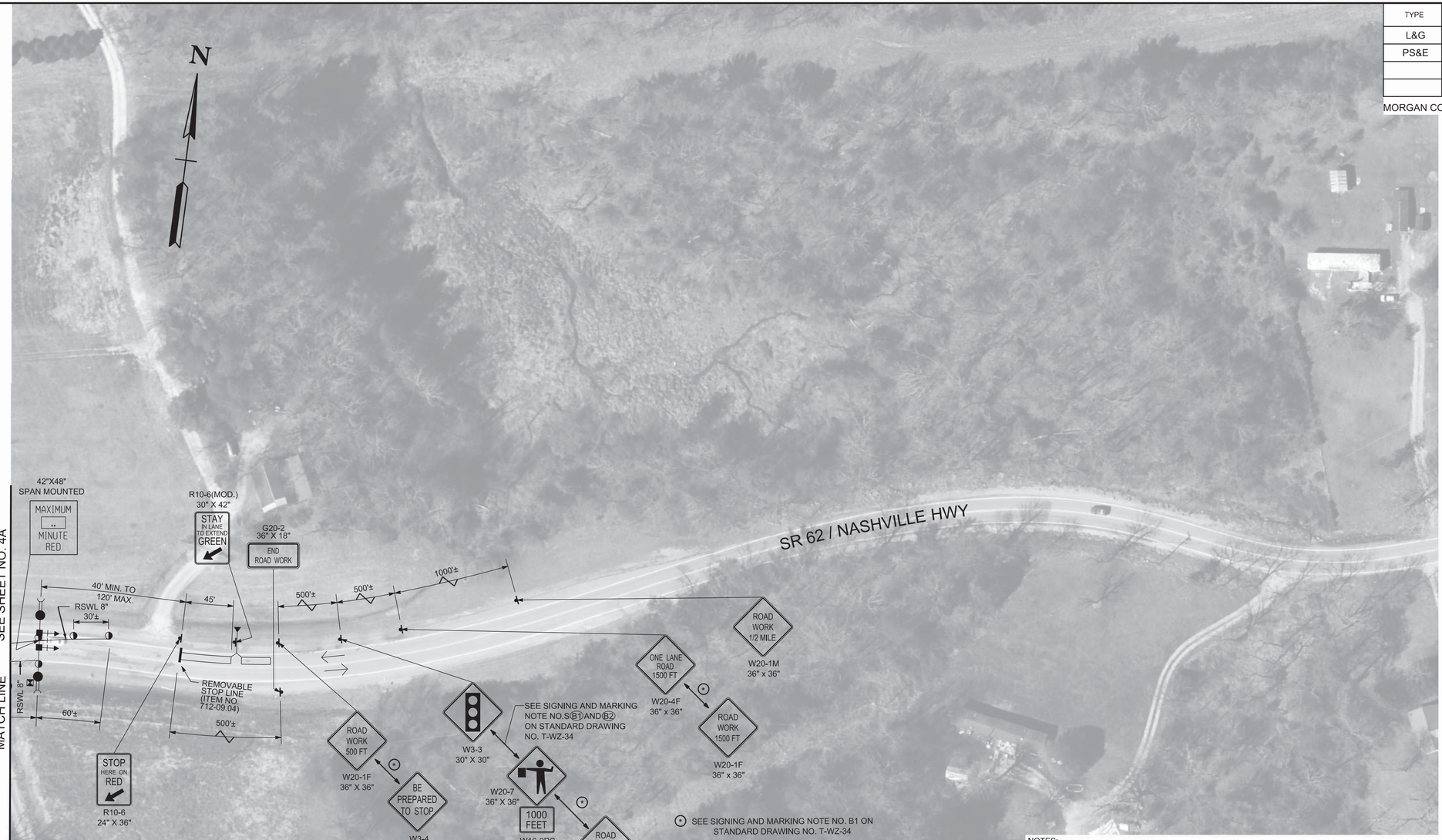
TRAFFIC CONTROL PLAN
BR. NO. 65-SR62-13.77
PHASE II

PIN NO.: 081615.01

7/14/2025 8:04:39 AM
c:\pw_pf1\pepbowa\d4294668004A_TMP_SR62_Phase 2.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	4B
PS&E	2025	65S062-M3-002	4B

MORGAN COUNTY SR-62



TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)
	REMOVE PAVEMENT STRIPING

SR 62 OVER LITTLE CLEAR CREEK
PHASE 2 TRAFFIC CONTROL PLAN

NOTES:

1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO BRIDGE REPAIR WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE. IF SIGNS ARE PLACED BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGN FACES SHOULD BE FULLY COVERED.

2. THIS CONSTRUCTION PHASE IS TO BE CONDUCTED DURING THE SINGLW LANE CLOSURE OF SR-62.

3. RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS SHALL BE INSTALLED AT DRIVEWAYS LOCATED WITHIN THE WORK ZONE UPON APPORVAL FROM THE TDOT TRAFFIC DESIGN DIVISION.

4. WIDE LOADS WILL BE DETOURED AROUND THE PROJECT AREA VIA SR-329 AND US-27. SEE SHEET 5 FOR DETAILS.

5. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

6. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR THE ITEM NO. 712-06. SIGNS (CONSTRUCTION), SQ. FT.

7. FOR ADDITIONAL NOTES AND DETAILS, SEE TDOT STD. DWG. T-WZ-32 AND T-WZ-33.

8. SEE SHEET 2A FOR QUANTITIES.

9. CHANGEABLE MESSAGE SIGNS MAY BE PLACED PRIOR TO BRIDGE REPAID WORK TO ALERT ROAD USERS OF CONSTRUCTION. LOCATION AND MESSAGE TO BE DETERMINED BY THE TDOT ENGINEER.

10. PAVEMENT MARKINGS THAT CONFLICT WITH TRAVEL LANES SHALL BE COVERED WITH BLACK OUT TAPE DURING CONSTRUCTION AND REMOVED WHEN WORK IS NO LONGER CONDUCTED.

SEALED BY

ALLYSON FOSTER BOYD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 113196
STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

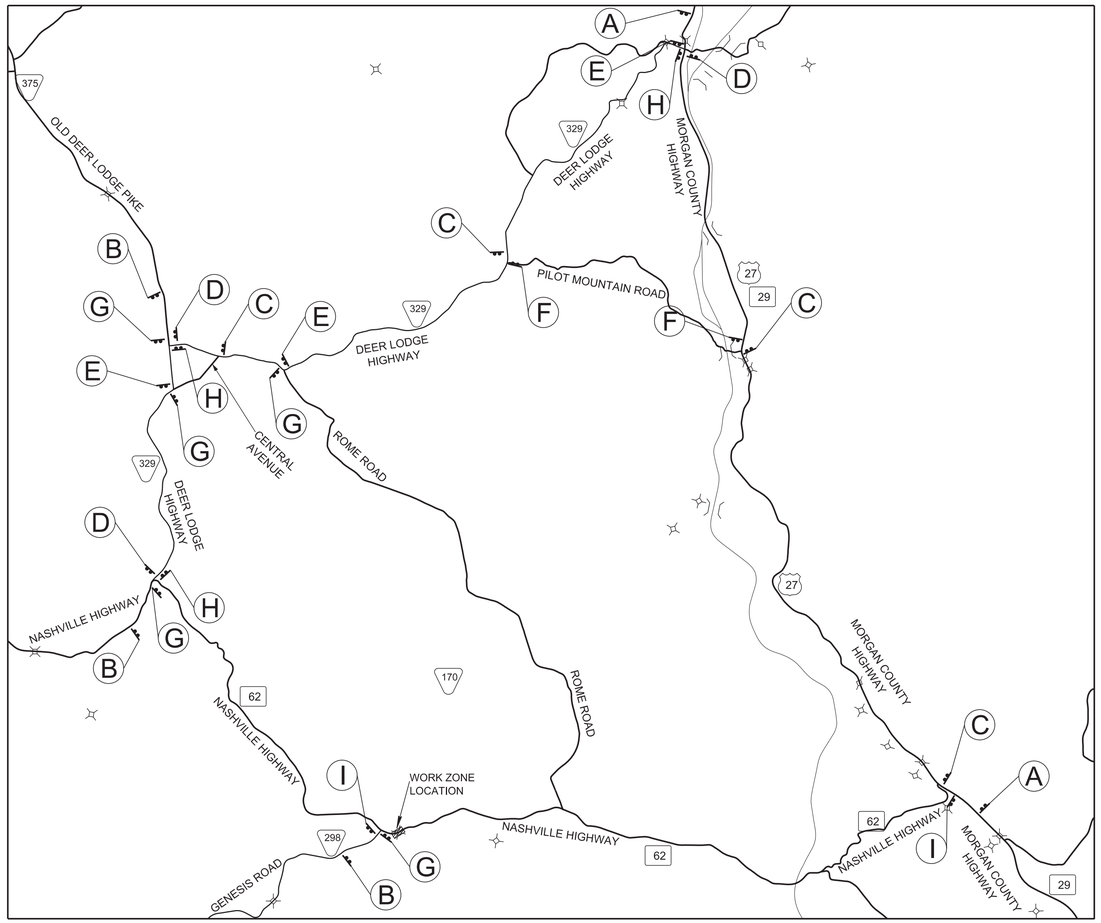
TRAFFIC CONTROL PLAN
BR. NO. 65-SR62-13.77
PHASE II

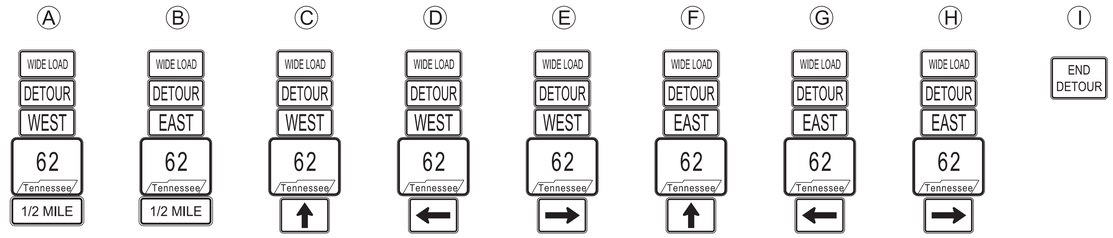
PIN NO.: 081615.01

7/14/2025 8:08:24 AM
c:\pw_pl1\peplowla\d4294668004B_TMP_SR62_Phase 2.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	65S062-M3-002	
PS&E	2025	65S062-M3-002	5

MORGAN COUNTY SR-62





EAST M3-2 24” x 12”

WEST M3-4 24” x 12”

62 Tennessee TN-6C 30” x 24”

WIDE LOAD CUSTOM 24” x 12”

1/2 MILE W16-3aP 30" x 12"

END DETOUR M4-8a 24” x 18”

DETOUR M4-8 24” x 12”

M6-3 21” x 15”

M6-1 21” x 15”

DETOUR NETWORK NOTES

1. CONTRACTOR TO INSTALL DETOUR SIGNS ALONG STREETS PENDING COORDINATION AMONG THE CITY OF SUNBRIGHT, MORGAN COUNTY AND APPROVAL FROM TDOT.
2. WIDE LOAD DETOUR TO OCCUR DURING LANE CLOSURES ON SR-62. SEE SHEETS 3, 3A-3B, 4, 4A-4B, AND BR-04 FOR PHASING AND LANE RESTRICTIONS.
3. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO CONSTRUCTION AND TO REMAIN IN PLACE UNTIL THE COMPLETION OF THIS PROJECT. 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.
4. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. THE LOCATION OF ALL TRAFFIC CONTROL DEVICES ARE TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING. CONTRACTOR TO INSTALL WIDE LOAD DETOUR SIGNS AND MESSAGE BOARDS IN TENNESSEE PENDING COORDINATION AND APPROVAL FROM TDOT.
6. IF THE CONTRACTOR MOVES OFF THE PROJECT, THEY SHALL COVER OR REMOVE ALL UN-NEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
7. SPECIAL DETOUR SIGNING SHALL BE BLACK COPY ON ORANGE BACKGROUND EXCEPT THAT CARDINAL DIRECTIONS AND INTERSTATE SHIELDS SHALL BE STANDARD INTERSTATE SIGNS.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
▨	WORK ZONE
⚷	SIGN (CONSTRUCTION) (2-POST)

SEALED BY

ALLYSON FOSTER BOYD REGISTERED ENGINEER LICENSE NUMBER 115136 STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
WIDE LOAD DETOUR
NOT TO SCALE

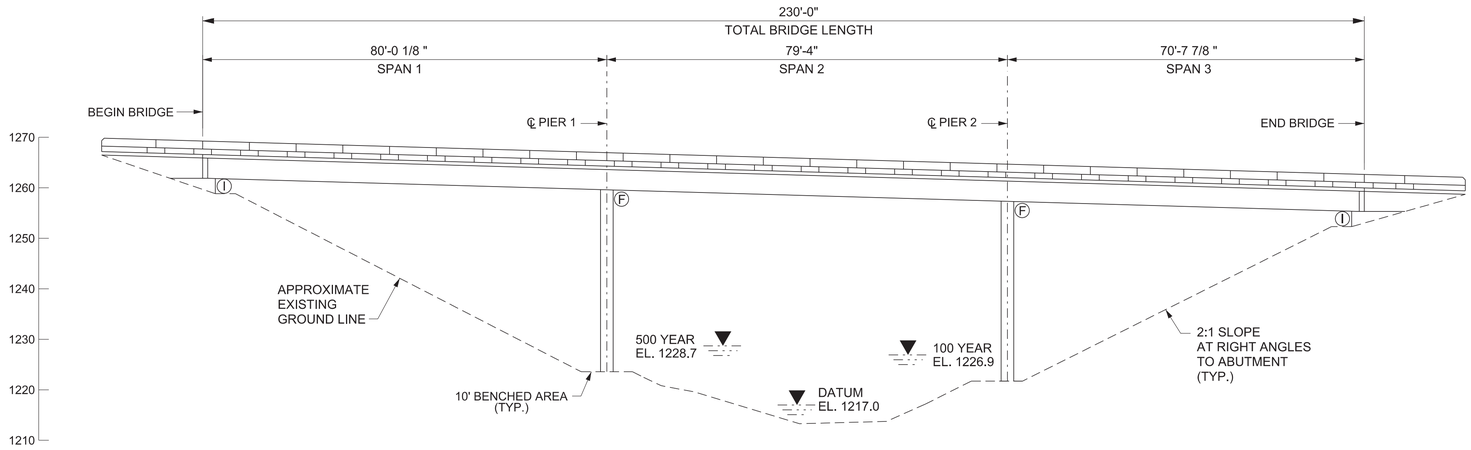
PIN NO.: 081615.01

7/14/2025 8:10:50 AM
c:\pw_pf1\epjlowta\d4294668\005_SR62_Wide_Load_Detour.dgn

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-01

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



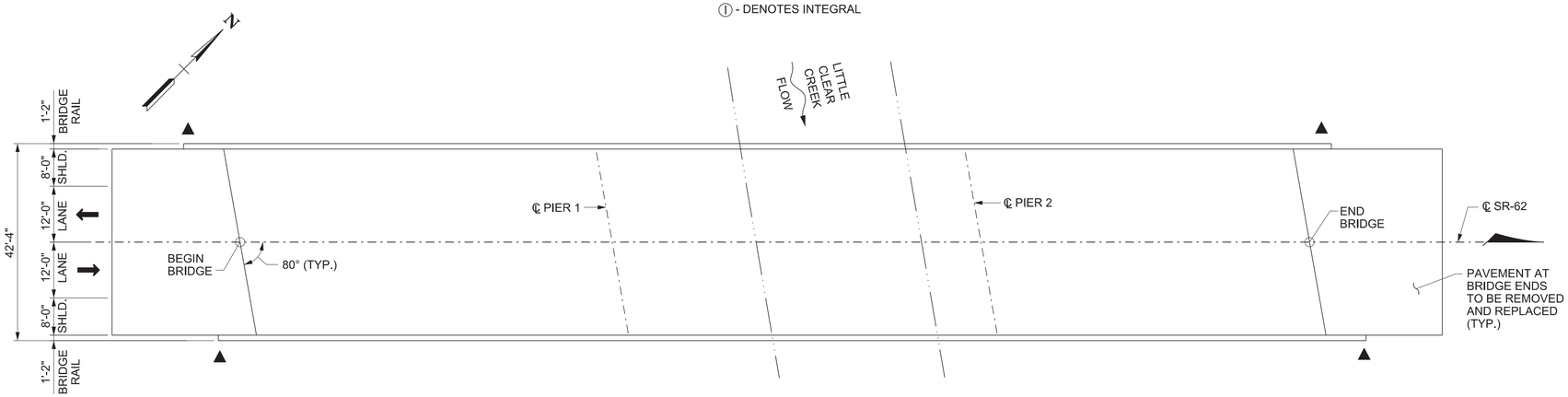
ELEVATION

SCALE: 1" = 15'

ALL DIMENSIONS ARE ALONG ℄ SR-62 UNLESS OTHERWISE NOTED

Ⓕ - DENOTES FIXED

Ⓘ - DENOTES INTEGRAL



PLAN

SCALE: 1" = 15'

▲ - DENOTES LOCATION OF GUARDRAIL ATTACHMENTS

SCOPE OF WORK

1. CONSTRUCT RIP-RAP DRAINAGE DITCH IN ACCORDANCE WITH STD-10-3 AT BEGIN BRIDGE LEFT SIDE, AND END BRIDGE RIGHT SIDE.
2. PROVIDE REQUIRED TRAFFIC CONTROL AND PHASE CONSTRUCTION MAINTAINING AT LEAST ONE LANE OF SIGNALIZED TRAFFIC ALONG SR 62 AT ALL TIMES UTILIZING PORTABLE SIGNALS.
3. REMOVE AND REPLACE EXISTING BRIDGE RAILS, CONCRETE BRIDGE DECK, AND PAVEMENT AT BRIDGE ENDS.
4. MECHANICALLY GROOVE BRIDGE DECK.
5. CONSTRUCT ASPHALT PAVEMENT TRANSITIONS AT THE BEGIN AND END OF BRIDGE.
6. REMOVE AND REPLACE EXISTING WINGPOSTS WITH STD-1-1SS TRANSITION TO ACCEPT HIGH VOLUME GUARDRAIL CONNECTION TO BRIDGE ENDS UTILIZING 31" GUARDRAIL HEIGHT AND SPLICE TO EXISTING GUARDRAIL AT ALL FOUR CORNERS OF BRIDGE.
7. REPAIR DETERIORATED AREAS OF CONCRETE ON PRESTRESSED PRECAST CONCRETE GIRDERS, AND SUBSTRUCTURE UNITS.
8. EPOXY INJECT CRACKS ON CONCRETE ON PRESTRESSED PRECAST CONCRETE GIRDERS, AND SUBSTRUCTURE UNITS.
9. REPAIR EROSION AT ABUTMENT 1 EMBANKMENT.
10. REMOVE LOOSE SOIL AT ABUTMENT 2 AND ENCASE EXPOSED PILINGS.
11. HIGH PRESSURE WATER WASH ALL EXPOSED EXISTING CONCRETE SURFACES AND TEXTURE COAT ALL EXPOSED CONCRETE SURFACES OF ABUTMENTS, WINGWALLS, PARAPETS, DECK OVERHANGS, AND OUTSIDE FACE AND BOTTOM FLANGE OF EXTERIOR GIRDERS. TOP AND INSIDES FACE OF PARAPET SHALL BE WHITE. ALL OTHER SURFACES SHALL BE MOUNTAIN GREY.
12. PLACE DELINEATORS ON TOP OF NEW PARAPETS WITHIN LIMITS OF BRIDGE.
13. PLACE STRIPING AND SIGNING AS APPROPRIATE.
14. REMOVE VEGETATION FOR A DISTANCE OF TEN FEET ALONG EACH SIDE OF THE BRIDGE AND ON SUBSTRUCTURES.

PIN NO.: 081615.01

DESIGN BY: SUSANNE DAWSON DATE: JUNE 2024

DRAWN BY: K. I. GLOUDOUA / D. PICKEL DATE: JUNE 2024

SUPERVISED BY: SUSANNE DAWSON DATE: JUNE 2024

CHECKED BY: FRANK BALE DATE: JUNE 2024

7/8/2025 2:09:13 PM
c:\pw_pl1\pickeldp\d4294668\BR-133-258_WO17_Layout-Elev.dgn

LIST OF BRIDGE DRAWINGS

DRAWING	SHT. NO.	DWG. NO.	REV. DATE
LAYOUT OF BRIDGE TO BE REPAIRED	B-01	BR-133-258	
ESTIMATED BRIDGE QUANTITIES	B-02	BR-133-259	
GENERAL NOTES	B-03	BR-133-260	
PHASE CONSTRUCTION	B-04	BR-133-261	
SUPERSTRUCTURE REPAIRS	B-05	BR-133-262	
DECK REPLACEMENT PLAN	B-06	BR-133-263	
DECK REPLACEMENT TYPICAL SECTION	B-07	BR-133-264	
ABUTMENT REPAIRS	B-08	BR-133-265	
WINGWALL, WINGPOST, AND BACKWALL MODIFICATIONS	B-09	BR-133-266	
CONCRETE REPAIR DETAILS	B-10	BR-133-267	

LIST OF BRIDGE REFERENCE DRAWINGS

(TO BE PRINTED WITH PLANS)

M-257-136, M-257-139 THRU M-257-144

STANDARD BRIDGE DRAWINGS

DWG. NO.	REV. DATE	DRAWING
STD-1-1SS	07/24/2024	BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET
STD-1-5	06/05/2023	REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS
STD-10-1	06/05/2023	MISC. ABUTMENT AND DRAINAGE DETAILS
STD-10-2	06/05/2023	MISC. ABUTMENT AND PAVEMENT AT BRIDGE ENDS BACKFILL DETAILS
STD-10-3	01/10/2024	STANDARD FLUME DETAILS

TRAFFIC DATA	
AADT (2023) EB	949
AADT (2023) WB	856
POSTED SPEED	55 MPH

SEALED BY

SUSANNE DAWSON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 118525 STATE OF TENNESSEE

07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE TO BE REPAIRED

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-258

	ESTIMATED BRIDGE QUANTITIES				
	ITEM NO.	DESCRIPTION	UNIT	65-SR62-13.77	TOTAL
7	201-07.01	REMOVAL AND DISPOSAL OF BRUSH & TREES	L.S.	1	1
1	202-04.01	REMOVAL OF STRUCTURES (BRIDGE NO.65-SR062-13.77)	L.S.	1	1
2	204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	407	407
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	100118	100118
	604-03.04	PAVEMENT AT BRIDGE ENDS	S.Y.	213	213
	604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	266	266
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	916	916
3	604-04.02	APPLIED TEXTURE FINISH (EXISTING STRUCTURES)	S.Y.	21	21
4 *	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	1171	1171
5 *	604-10.54	CONCRETE REPAIRS	S.F.	1	1
*	604-10.55	CONCRETE (FOUNDATION REPAIRS)	C.Y.	6	6
*	604-10.58	EPOXY INJECTION (INJECTION)	GAL.	5	5
*	604-10.62	EPOXY INJECTION REPAIR (COMPLETE AND IN PLACE)	L.F.	88	88
6	620-05.01	CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	498	498
	710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	104	104
	710-09.02	6" PIPE UNDERDRAIN	L.F.	28	28

* DENOTES ITEM CAN BE INCREASED, DECREASED, OR ELIMINATED AS DIRECTED BY THE ENGINEER.

FOOTNOTES:

1. INCLUDES ALL COSTS OF ALL LABOR, EQUIPMENTS, AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE EXISTING APPROACH SLABS, DECK, ENDPOSTS, PARAPETS AND PORTIONS OF EXISTING BACKWALLS AND WINGWALLS. FOR NOTES AND DETAILS SEE DWG. NOS. BR-131-260 THRU BR-133-262, AND BR-131-266.

2. INCLUDES ALL COSTS OF ALL LABOR, EQUIPMENTS, AND MATERIALS REQUIRED TO EXCAVATE FOR THE NEW APPROACH SLAB BACKFILL PER STD-10-2. FOR NOTES AND DETAILS SEE DWG. NOS. BR-131-260 THRU BR-133-262.

3. INCLUDES ALL LABOR AND MATERIALS NECESSARY FOR THE APPLICATION OF ALL TEXTURE COATING FOR THE FULL LENGTH OF THE BRIDGE AS SHOWN IN THE APPLIED TEXTURE FINISH SKETCH ON THIS SHEET. ALSO INCLUDES SURFACE PREPARATION USING A HIGH PRESSURE WASH TO REMOVE ALL LOOSE COATINGS, FLAKING AND OTHER FOREIGN SUBSTANCES TO THE FULL SATISFACTION OF THE ENGINEER.

4. QUANTITY INCLUDES MECHANICALLY GROOVING THE PABES.

5. INCLUDES THE COST OF ALL LABOR AND MATERIALS NECESSARY TO PLACE A POLYMER MODIFIED CEMENTITIOUS STRUCTURAL PATCHING MATERIAL FOR REPAIR OF INDICATED AREAS.

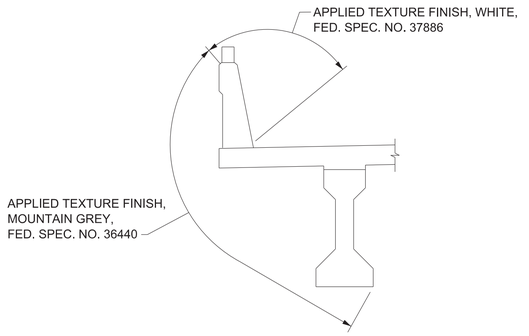
6. ALL COST ASSOCIATED WITH MODIFICATION OF THE EXISTING WINGPOST INCLUDING REPLACEMENT OF THE EXISTING WINGWALL AND BACKWALL, EPOXY COATED STEEL REINFORCEMENT,FORMING, LABOR AND ALL MISCELLANEOUS MATERIAL NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NO. 620-05.01, CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS), L.F.

7. INCLUDES THE COST OF ALL LABOR AND MATERIALS NECESSARY FOR THE REMOVAL AND DISPOSAL OF VEGETATION WITHIN 10 FEET OF THE STRUCTURE, ALL VEGETATION GROWING ON SUBSTRUCTURE, AND ANY OTHER REMOVAL NECESSARY TO COMPLETE THE WORK AS DIRECTED BY THE ENGINEER. WHERE POSSIBLE, STUMPS AND ROOTS ARE TO REMAIN TO PREVENT GROUND DISTURBANCE. ANY DAMAGE TO VEGETATED AREAS NOT SPECIFICALLY MENTIONED WITHIN THE PROJECT SCOPE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THESE AREAS ARE TO BE RETURNED TO THEIR PRE-CONSTRUCTION STATE AND SHALL BE DETERMINED BY THE ENGINEER. ALL COSTS (LABOR AND MATERIAL) ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ITEMS BID ON.

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-02

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



APPLIED TEXTURE FINISH SKETCH

LEFT SIDE ONLY SHOWN, SKETCH IS SYMMETRIC ABOUT ℄ BRIDGE.

HIGH PRESSURE WATER WASH ALL EXPOSED EXISTING CONCRETE SURFACES AND TEXTURE COAT ALL EXPOSED CONCRETE SURFACES OF PARAPETS, MEDIAN BARRIER, DECK OVERHANGS, AND PORTIONS OF WINGWALLS THAT PARALLEL END SLOPES. TOP AND INSIDES FACE OF PARAPETS AND MEDIAN BARRIER SHALL BE WHITE (AMS-STD-595A, COLOR NO. 37886). ALL OTHER SURFACES SHALL BE MOUNTAIN GREY (AMS-STD-595A, COLOR NO. 36440).

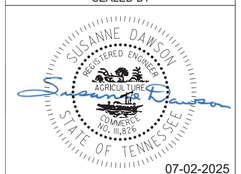
COST OF TEXTURE COATING SHALL BE INCLUDED IN ITEM NO. 604-04.02, APPLIED TEXTURE FINISH (EXISTING STRUCTURES), S.Y. AND ITEM NO. 604-04.01, APPLIED TEXURE FINISH (NEW STRUCTURES), S.Y.

THE CONTRACTOR SHALL USE CONTAINMENT SCREENS OR OTHER MEASURES AS NECESSARY TO PREVENT ANY TEXTURE COATING FROM ENTERING THE ENVIRONMENT. CONTAINMENT MEASURES SHALL BE APPROVED BY THE ENGINEER AND COST SHALL BE INCLUDED IN ITEMS BID ON.

THE EXISTING SURFACES THAT ARE TO RECEIVE A TEXTURE FINISH SHALL BE FREE OF ALL EFFLORESCENCE, FLAKING TEXTURE COATING, RUST, DIRT, OIL, AND OTHER FOREIGN SUBSTANCES PRIOR TO THE APPLICATION OF THE TEXTURE FINISH. THE SURFACE SHALL BE CLEANED TO THE COMPLETE SATISFACTION OF THE ENGINEER USING A HIGH PRESSURE WATER WASH. COST TO BE INCLUDED IN ITEM NO. 604-04.02, APPLIED TEXTURE FINISH (EXISTING STRUCTURES), S.Y.

THE WASH WATER IS TO BE FILTERED AND PAINT CHIPS AND DEBRIS COLLECTED PRIOR TO RELEASE OF WATER.

SEALED BY



07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED BRIDGE QUANTITIES
BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-259

PIN NO.: 081615.01

DESIGN BY: SUSANNE DAWSON DATE: JUNE 2024

DRAWN BY: K. I. GLOUDOUA / D. PICKEL DATE: JUNE 2024

SUPERVISED BY: SUSANNE DAWSON DATE: JUNE 2024

CHECKED BY: FRANK BALE DATE: JUNE 2024

7/7/2025 9:52:23 AM
c:\pw_pl1\pickeldp\d4294668\BR-133-259_WO17_EstQuan.dgn

GENERAL NOTES

SPECIFICATIONS & LOADING

CONSTRUCTION SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (JANUARY 1, 2021 EDITION), AND THE 4th EDITION (2017) AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS WITH INTERIMS.

DESIGN SPECIFICATIONS: 10th EDITION (2024) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, AND THE 2nd EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIMS.

STEEL, CONCRETE, REINFORCING, AND FORMING

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

NOTE: MECHANICAL BAR SPLICERS MUST BE ON THE TDOT QUALIFIED PRODUCTS LIST 27. THE BAR SPLICERS SHALL MEET AASHTO LRFD SPECIFICATIONS FOR MECHANICAL CONNECTION. WHEN EPOXY COATING IS REQUIRED, THE EXPOSED THREADS SHALL BE REPAIRED AFTER SPLICING ACCORDING TO SECTION 907 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING THE BAR SPLICERS, (AND EPOXY COATING WHEN REQUIRED) INCLUDING ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE INSTALLATION, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE REINFORCING BARS, UNLESS NOTED OTHERWISE IN PLANS.

CONCRETE: TO BE CLASS A F'C = 3000 PSI EXCEPT AS NOTED OTHERWISE.

BRIDGE DECKS: CLASS D CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 804 OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SURFACE FINISH: TO BE IN ACCORDANCE WITH METHOD 3 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.

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

DECK FORMING: BRIDGE DECK FORMS FOR CONCRETE DECKS SHALL BE CONSTRUCTED USING EITHER REMOVABLE FORMS OR PERMANENT FORMS. PERMANENT FORMS MAY BE EITHER REMAIN-IN-PLACE STEEL OR PRECAST, PRESTRESSED CONCRETE PANELS. IN EITHER CASE, FORMS SHALL BE ATTACHED BY MEANS OTHER THAN WELDING TO MAIN STRUCTURAL MEMBERS OR REINFORCING STEEL. TEMPORARY ERECTION DIAPHRAGMS MUST BE USED AT THE ENDS OF PRECAST CONCRETE GIRDERS WHERE END DIAPHRAGMS, SUPPORT DIAPHRAGMS, OR ABUTMENT ENDWALLS ARE TO BE POURED CONCURRENTLY WITH THE DECK AND SHALL BE PROVIDED ELSEWHERE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS TO PREVENT GIRDER ROTATION. SEE STANDARD DRAWINGS STD-4-1 THRU 4, STD 14-2, AND ARTICLE 604.05 OF THE STANDARD SPECIFICATIONS.

MISCELLANEOUS GENERAL NOTES

SHOP DRAWINGS: REFER TO SECTION 105.02 OF THE STANDARD SPECIFICATIONS. IF USING PAPER COPIES, SHOP DRAWINGS ARE TO BE SENT TO THE BRIDGE REPAIR OFFICE IN THE DIVISION OF STRUCTURES, FOR ELECTRONIC SUBMITTALS, SEE SECTION 105.02 OF THE STANDARD SPECIFICATIONS. EACH SHOP DRAWING SHALL CONTAIN IN THE TITLE BLOCK THE FOLLOWING: THE STATE PROJECT NUMBER, COUNTY, BRIDGE NAME, BRIDGE NUMBER (OR STRUCTURE TYPE AND NUMBER), STATION, AND CONTRACT NUMBER. SHOP DRAWINGS WITH TITLE BLOCKS NOT INCLUDING THE FOREGOING IDENTIFICATION WILL BE RETURNED FOR CORRECTION BEFORE ANY REVIEWS FOR APPROVAL ARE CONDUCTED.

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.

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 CONCRETE REMOVAL.

QUICK-SET PATCHING MATERIAL: QUICK-SET PATCHING MATERIAL SHALL BE A POLYMER MODIFIED CEMENTITIOUS PATCHING MATERIAL. SEE TDOT QUALIFIED PRODUCTS LIST 13.009 POLY MOD CEMENT STRUCT PATCH VERT & OVER FOR ACCEPTABLE PATCHING MATERIALS.

FINISHING CONCRETE SURFACES: CONCRETE FINISHING SHALL BE IN ACCORDANCE WITH SECTION 604.21 OF THE STANDARD SPECIFICATIONS WITH THE CONTRACTOR HAVING THE OPTION OF USING EITHER CLASS II FINISH OR A CLASS I FINISH FOLLOWED BY AN APPLIED TEXTURE FINISH. NO TEXTURE FINISH SHALL BE APPLIED PRIOR TO COMPLETION OF PAVING AND HAULING OPERATIONS AT THE BRIDGE SITE. THE COST OF FINISHING CONCRETE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NO. 604-04.01, APPLIED TEXTURE FINISH (NEW STRUCTURES), S.Y.

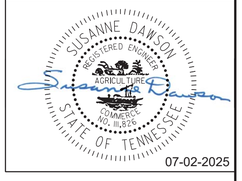
PARAPET SYSTEM: BUILD PARAPETS ACCORD TO STANDARD DRAWING STD-1-1SS. THE PARAPETS SHALL BE FORMED AND CAST PLUMB, NOT PERPENDICULAR TO THE SLAB. THE DIMENSIONS AT THE TRAFFIC FACE SHALL BE KEPT CONSTANT, WITH VARIATION DUE TO CROSS-SLOPE ACCOMMODATED AT THE REAR FACE.

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-03

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

SEALED BY



07-02-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-260

PIN NO.: 081615.01

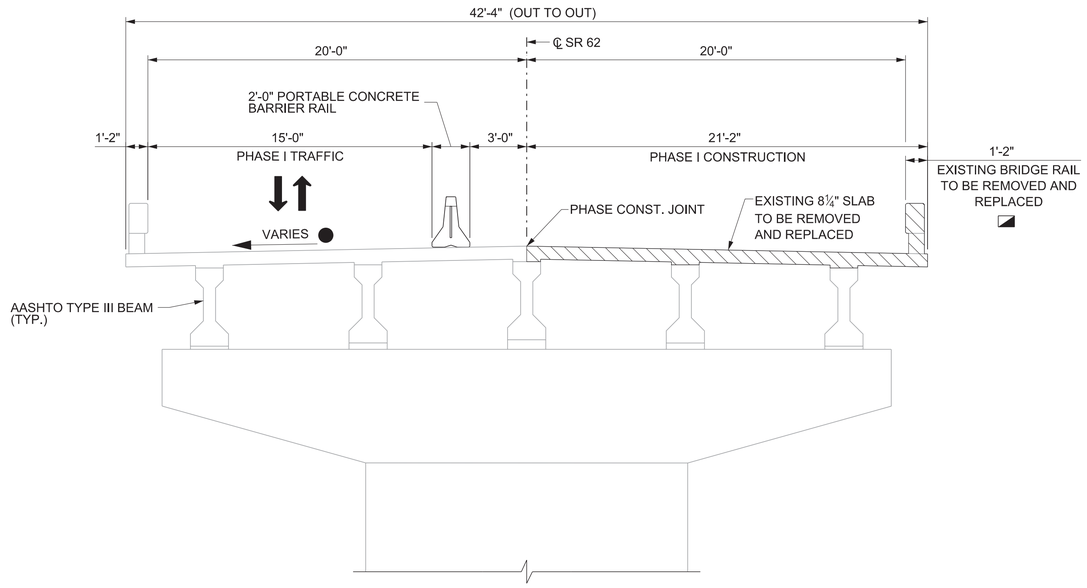
DESIGN BY:	SUSANNE DAWSON	DATE: JUNE 2024
DRAWN BY:	K. I. GLOUDOUA / D. PICKEL	DATE: JUNE 2024
SUPERVISED BY:	SUSANNE DAWSON	DATE: JUNE 2024
CHECKED BY:	FRANK BALE	DATE: JUNE 2024

6/24/2025 11:00:20 AM
c:\pw_pl1\peplowta\d4294668\BR-133-260_WO17_Notes.dgn

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-04

REVISIONS

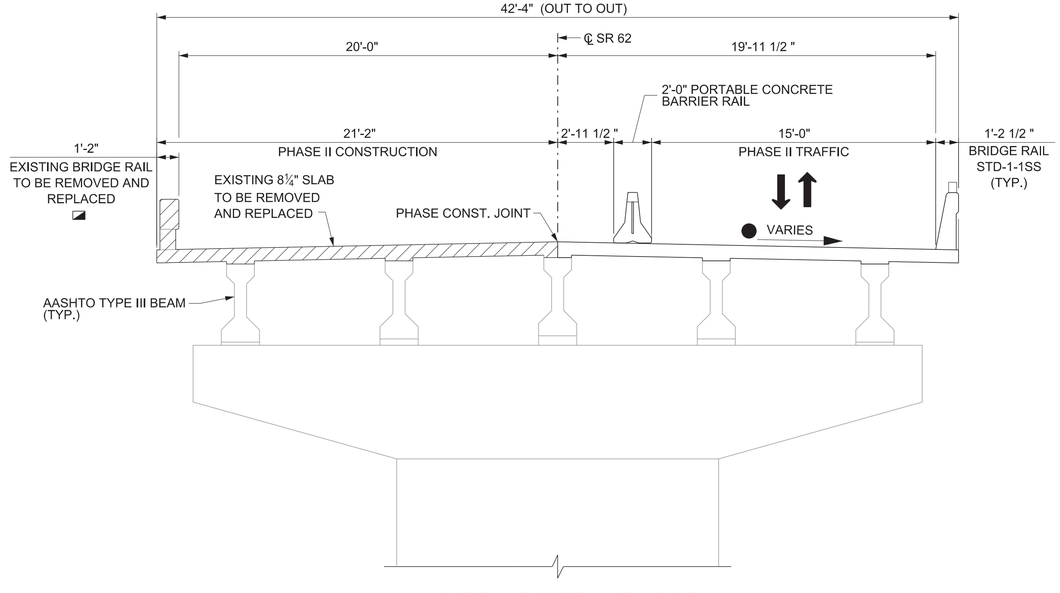
NO.	DATE	BY	BRIEF DESCRIPTION



TYPICAL SECTION - PHASE I

(LOOKING FORWARD ON SURVEY)

◪ INSTALL PARAPET DELINEATORS
(COST TO BE INCLUDED IN PARAPET PER STD-1-1SS)



TYPICAL SECTION - PHASE II

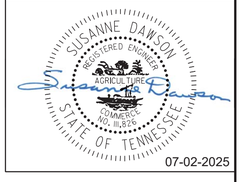
(LOOKING FORWARD ON SURVEY)

◪ INSTALL PARAPET DELINEATORS
(COST TO BE INCLUDED IN PARAPET PER STD-1-1SS)

● CONTRACTOR IS RESPONSIBLE FOR ENSURING THE CROSS-SLOPE AND SUPERELEVATION TRANSITIONS OF THE NEW DECK MATCH THE EXISTING STRUCTURE.

NOTE: FOR DECK DIMENSIONS, SEE DWGS BR-133-263 AND BR-133-264.

SEALED BY



PIN NO.: 081615.01

DESIGN BY:	SUSANNE DAWSON	DATE: JUNE 2024
DRAWN BY:	K. I. GLOUDOUA / D. PICKEL	DATE: JUNE 2024
SUPERVISED BY:	SUSANNE DAWSON	DATE: JUNE 2024
CHECKED BY:	FRANK BALE	DATE: JUNE 2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASE CONSTRUCTION

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

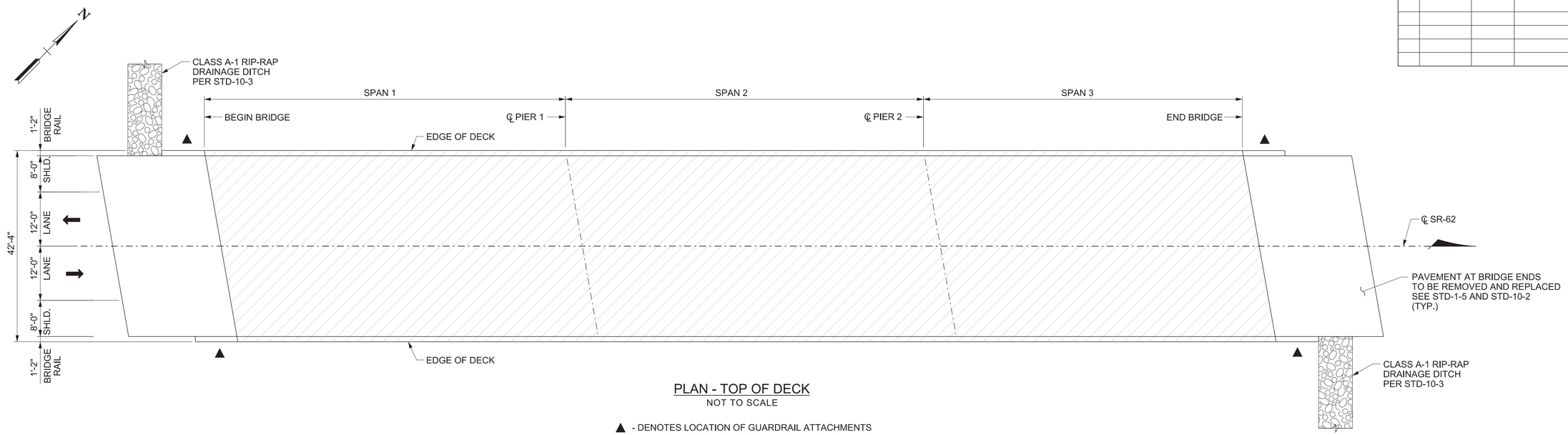
BR-133-261

6/27/2025 11:36:42 AM
c:\pw_pl1\peplowta\d4294668\BR-133-261_WO17_PhaseConst.dgn

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-05

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

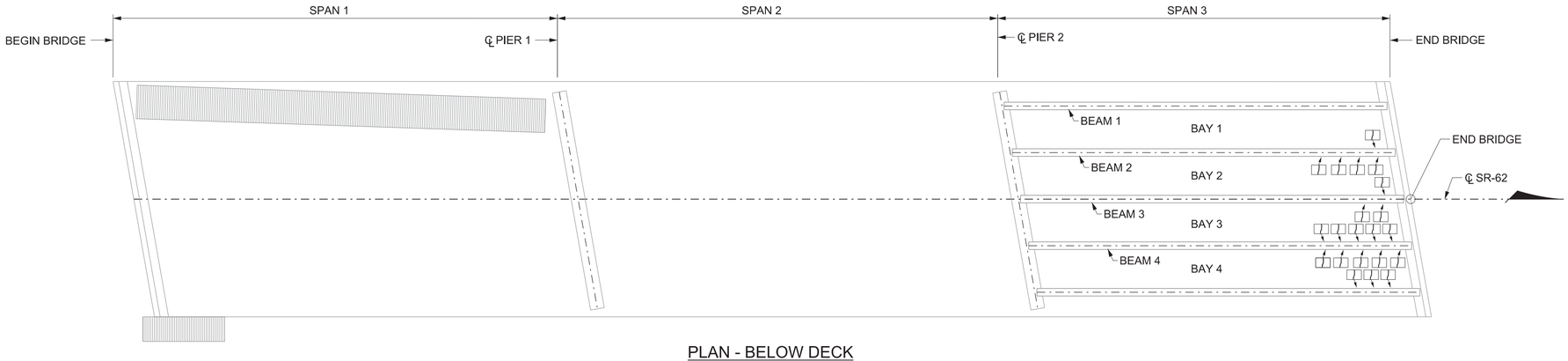


PLAN - TOP OF DECK

NOT TO SCALE

▲ - DENOTES LOCATION OF GUARDRAIL ATTACHMENTS AND WINGPOSTS TO BE REMOVED AND REPLACED

- DENOTES LOCATION OF BRIDGE DECK TO BE REMOVED AND REPLACED



PLAN - BELOW DECK

NOT TO SCALE

DENOTES CRACK TO BE EPOXY INJECTED. QUANTITIES AND LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER. SEE EPOXY INJECTION NOTES ON DWG. NO. BR-133-267.

DENOTES AREAS OF VEGETATION REMOVAL. LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER.

ESTIMATED QUANTITIES

LOCATION OF REPAIR	ITEM NO. 604-10.62 EPOXY INJECTION REPAIR (COMPLETE AND IN PLACE) APPROX. REPAIR AREAS (L.F.)	ITEM NO. 201-07.01 REMOVAL AND DISPOSAL OF BRUSH & TREES (LS)
SUPERSTRUCTURE	30	30

SEALED BY

SUSANNE DAWSON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 130826 STATE OF TENNESSEE

07-02-2025

PIN NO.: 081615.01

DESIGN BY: SUSANNE DAWSON DATE: JUNE 2024

DRAWN BY: K. I. GLOUDOUA / D. PICKEL DATE: JUNE 2024

SUPERVISED BY: SUSANNE DAWSON DATE: JUNE 2024

CHECKED BY: FRANK BALE DATE: JUNE 2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPAIRS

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-262

7/7/2025 9:46:12 AM
c:\pw_p11\pickeldp\d4294668\BR-133-262_WO17_Super.dgn

NOTES

NO PORTION OF THE PARAPET SHALL BE POURED UNTIL THE ENTIRE DECK SLAB IS IN PLACE.

WHEN POURING SLAB, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR THE PARAPET. THE PARAPET SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. CONCRETE PARAPET SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-1-1SS.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. IT IS STRONGLY RECOMMENDED THAT THE TEMPORARY ERECTION DIAPHRAGMS BE INSTALLED AND THE PERMANENT INTERMEDIATE DIAPHRAGMS BE POURED AND CURED PRIOR TO PLACING ANY LOADS ON THE GIRDERS. HOWEVER, TEMPORARY ERECTION DIAPHRAGMS AND PERMANENT INTERMEDIATE DIAPHRAGMS MUST BE IN PLACE IN THE SPAN AT THE TIME THE SLAB IS POURED IN SAID SPAN.

CONCRETE PARAPET SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-1-1SS.

DECK POURING SEQUENCE:

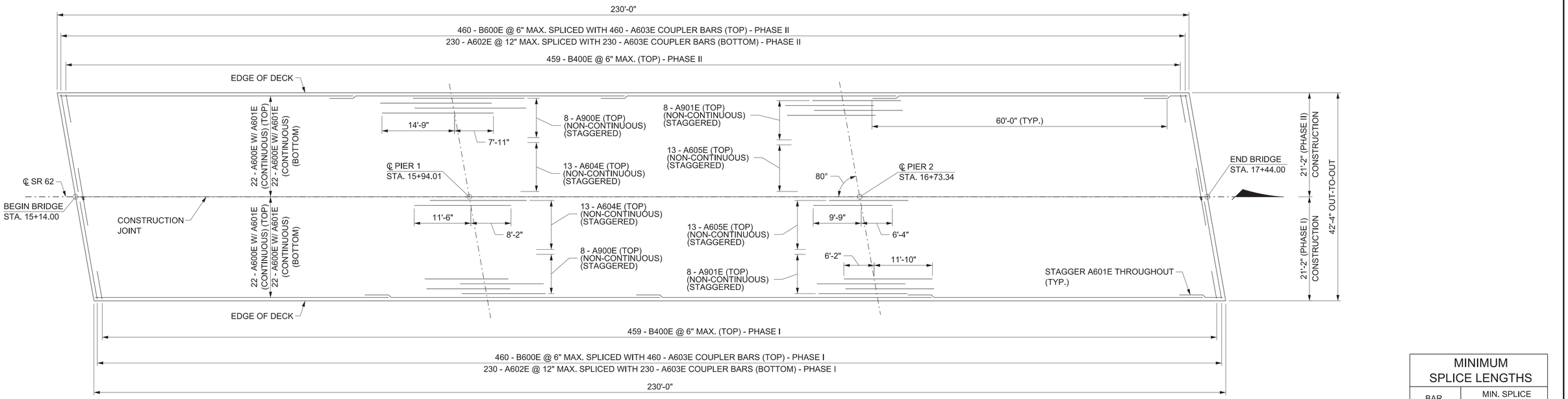
SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTORS OPTION SUBJECT TO THE ENGINEERS APPROVAL AND THE FOLLOWING:

1. NO CONSTRUCTION JOINT MAY BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT.
2. THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED WITHIN AT LEAST 15.0 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT.

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-06

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

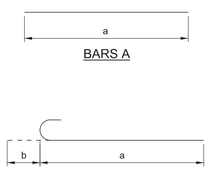


DECK REPLACEMENT PLAN

(SCALE: 1" = 10'-0")

BILL OF STEEL (DECK AND PARAPET)

MARK	T	LOCATION	SZ	NO. RQ'D	DIMENSION a	b	c	d	e	LENGTH FT-IN	WEIGHT LBS
PHASE 1											
A600	E	LONGITUDINAL	6	176	60'-0"					60'-0"	15861
A601	E	LONGITUDINAL	6	44	9'-0"					9'-0"	595
A602	E	BOTTOM MAT TRANSVERSE	6	230	21'-1"					21'-1"	7283
A603	E	COUPLER BARS	6	690	5'-0"					5'-0"	5182
A604	E	TOP MAT DROP-INS INT	6	13	19'-8"					19'-8"	384
A605	E	TOP MAT DROP-INS INT	6	13	16'-1"					16'-1"	314
A900	E	TOP MAT DROP-INS EXT	9	8	22'-8"					22'-8"	617
A901	E	TOP MAT DROP-INS EXT	9	8	18'-0"					18'-0"	490
B400	E	OVERHANG DROP-INS	4	459	6'-0"	4 1/2"				6'-5"	1967
B570	E	PARAPET	5	690	2'-8"	7"				3'-3"	2339
B600	E	TOP MAT TRANSVERSE	6	460	21'-1"	8"				21'-9"	15028
									Total Weight (LBS)		50059
PHASE 2											
A600	E	LONGITUDINAL	6	176	60'-0"					60'-0"	15861
A601	E	LONGITUDINAL	6	44	9'-0"					9'-0"	595
A602	E	BOTTOM MAT TRANSVERSE	6	230	21'-1"					21'-1"	7283
A603	E	COUPLER BARS	6	690	5'-0"					5'-0"	5182
A604	E	TOP MAT DROP-INS INT	6	13	19'-8"					19'-8"	384
A605	E	TOP MAT DROP-INS INT	6	13	16'-1"					16'-1"	314
A900	E	TOP MAT DROP-INS EXT	9	8	22'-8"					22'-8"	617
A901	E	TOP MAT DROP-INS EXT	9	8	18'-0"					18'-0"	490
B400	E	OVERHANG DROP-INS	4	459	6'-0"	4 1/2"				6'-5"	1967
B570	E	PARAPET	5	690	2'-8"	7"				3'-3"	2339
B600	E	TOP MAT TRANSVERSE	6	460	21'-1"	8"				21'-9"	15028
									Total Weight (LBS)		50059



MINIMUM SPLICE LENGTHS	
BAR	MIN. SPLICE LENGTH
# 4	1'-11"
# 6	4'-10"
# 9	5'-4"

ESTIMATED QUANTITIES	
CLASS "D" CONCRETE (BRIDGE DECK) C.Y.	EPOXY COATED REINFORCING STEEL LB.
266	100,118

SEALED BY

SUSANNE DAWSON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 118525 STATE OF TENNESSEE

07-02-2025

PIN NO.: 081615.01

DESIGN BY: SUSANNE DAWSON DATE: JUNE 2024

DRAWN BY: K. I. GLOUDOUA / D. PICKEL DATE: JUNE 2024

SUPERVISED BY: SUSANNE DAWSON DATE: JUNE 2024

CHECKED BY: FRANK BALE DATE: JUNE 2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DECK REPLACEMENT PLAN

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-263

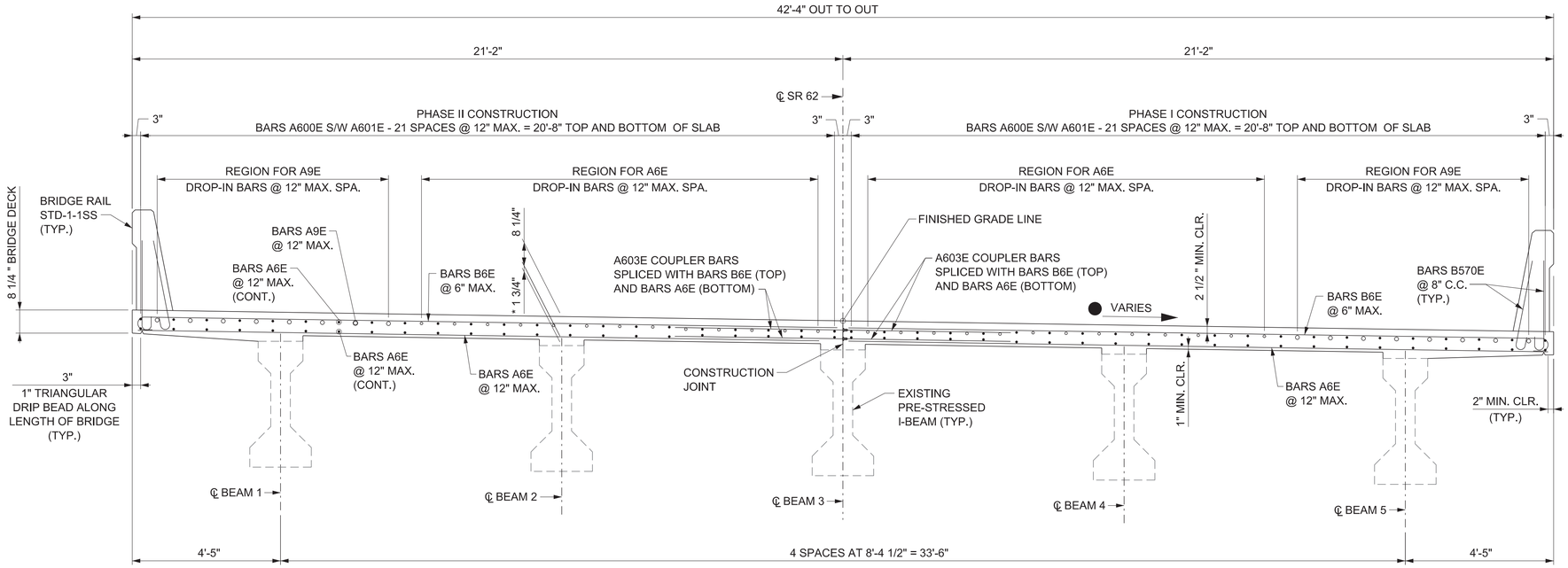
6/24/2025 10:08:12 AM
c:\pw_pl1\peplowta\d4294668\BR-133-263_WO17_DeckPlan.dgn

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-07

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

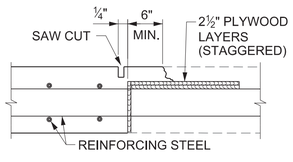
● CONTRACTOR IS RESPONSIBLE FOR ENSURING THE CROSS-SLOPE AND SUPERELEVATION TRANSITIONS OF THE NEW DECK MATCH THE EXISTING STRUCTURE.



TYP. SECTION

SCALE: ½" = 1'-0"

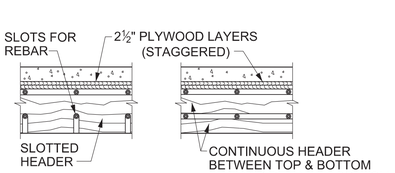
* AT ℄ BEARING, VARIES IN SPAN TO COMPENSATE FOR VARIATION IN CAMBER



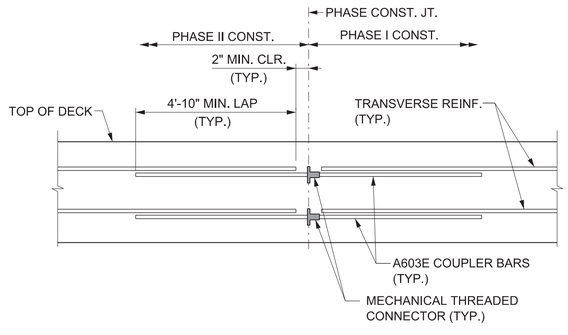
NOTE: ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION DETAIL SHOWN ABOVE.

SLAB CONSTRUCTION JOINT

(TRANSVERSE JOINT SHOWN, LONGITUDINAL JOINT SIMILAR)
NOT TO SCALE



ALTERNATE HEADER DETAILS



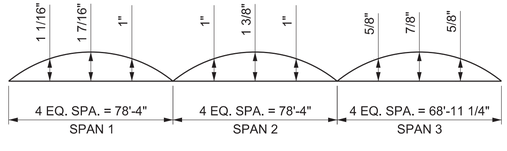
COUPLER BAR DETAIL

BAR	SIZE	NO. REQ'D	LENGTH
*A603E	6	690	5'-0"

BAR DIMENSIONS ARE OUT-TO-OUT
* THREADED FOR MECHANICAL COUPLER

LENGTH

BARS A



DEAD LOAD CORRECTION CURVE

THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS IN PLACE.

IF PRESTRESSED DECK PANELS ARE USED AND THE BEAMS ARE PROFILED AFTER THE PANELS ARE IN PLACE, REDUCE THE DEAD LOAD CORRECTION VALUES SHOWN BY 25%.

NOTES

EXISTING BEAMS ARE TO REMAIN. MAINTAIN REINFORCING STEEL EXTENDING FROM BEAMS INTO DECK.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SUPPORTING THE BEAMS TO PREVENT DAMAGE DUE TO TWISTING OR OVERTURNING DURING ALL PHASES OF CONSTRUCTION. IT IS STRONGLY RECOMMENDED THAT TEMPORARY ERECTION DIAPHRAGMS BE INSTALLED PRIOR TO PLACING ANY LOADS ON THE BEAMS. HOWEVER, TEMPORARY ERECTION DIAPHRAGMS MUST BE IN PLACE IN THE SPAN AT THE TIME THE SLAB IS POURED IN SAID SPAN.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.

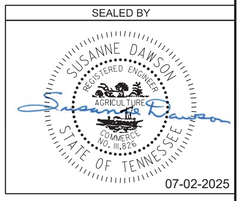
COSTS OF REINFORCING STEEL SHALL BE PAID FOR UNDER ITEM NO. 604-02.03, EPOXY COATED REINFORCING STEEL, LB. FORMING AND PLACING OF CONCRETE IN THE DECK SLAB SHALL BE PAID FOR UNDER ITEM NO. 604-03.09, CLASS D CONCRETE (BRIDGE DECK), C.Y.

DECK POURING SEQUENCE:

SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTORS OPTION SUBJECT TO THE ENGINEERS APPROVAL AND THE FOLLOWING:

1. NO CONSTRUCTION JOINT MAY BE LOCATED CLOSER THAN 10 FEET OR FURTHER THAN 15 FEET FROM AN INTERIOR SUPPORT.
2. THE SLAB IN THE MIDDLE SECTION OF BOTH ADJACENT SPANS MUST BE POURED WITHIN AT LEAST 15.0 FEET OF THE SUPPORTS EITHER PRIOR TO OR CONCURRENTLY WITH THE SLAB OVER AN INTERIOR SUPPORT.

SEALED BY



PIN NO.: 081615.01
DESIGN BY: SUSANNE DAWSON DATE: JUNE 2024
DRAWN BY: K. I. GLOUDOUA / D. PICKEL DATE: JUNE 2024
SUPERVISED BY: SUSANNE DAWSON DATE: JUNE 2024
CHECKED BY: FRANK BALE DATE: JUNE 2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DECK REPLACEMENT
TYPICAL SECTION
BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-264

6/27/2025 11:31:15 AM
c:\pw_pl1\peplowla\d4294668\BR-133-264_WO17_DeckTypical.dgn

DENOTES CRACK TO BE EPOXY INJECTED. QUANTITIES AND LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER. SEE EPOXY INJECTION NOTES ON DWG. NO. BR-133-267.

DENOTES AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 AND/OR 604-10.54. SEE REPAIR DETAILS ON DWG. NO. BR-133-267.

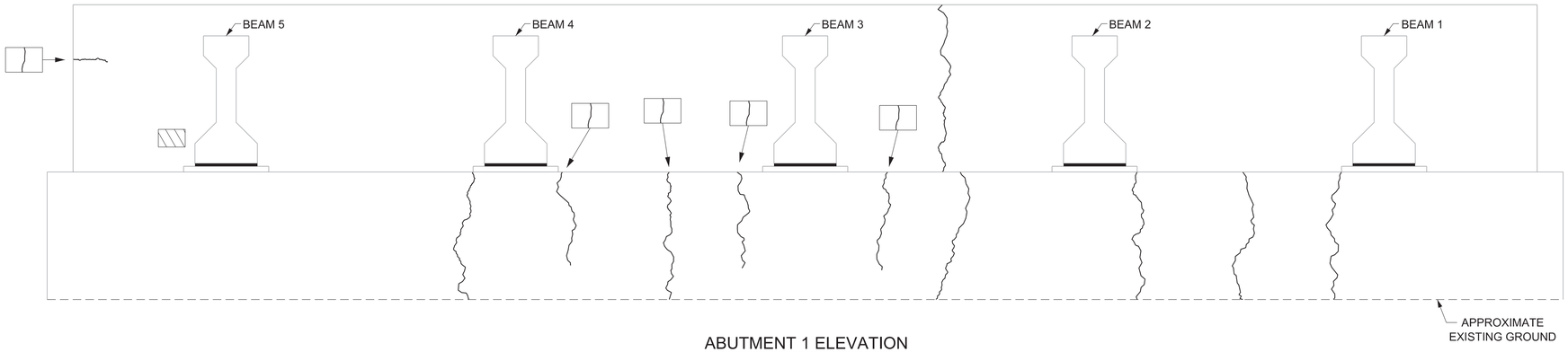
DENOTES LOCATION TO BE REPAIRED BY PLACEMENT OF CONCRETE UNDER ITEM NO. 604-10.55, CONCRETE (FOUNDATION REPAIRS), C.Y. SEE FILL SETTLEMENT DETAIL (THIS SHEET).

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-08

REVISIONS

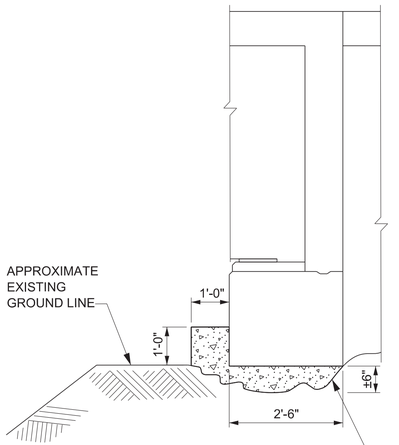
NO.	DATE	BY	BRIEF DESCRIPTION

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING REPAIRS.



ABUTMENT 1 ELEVATION

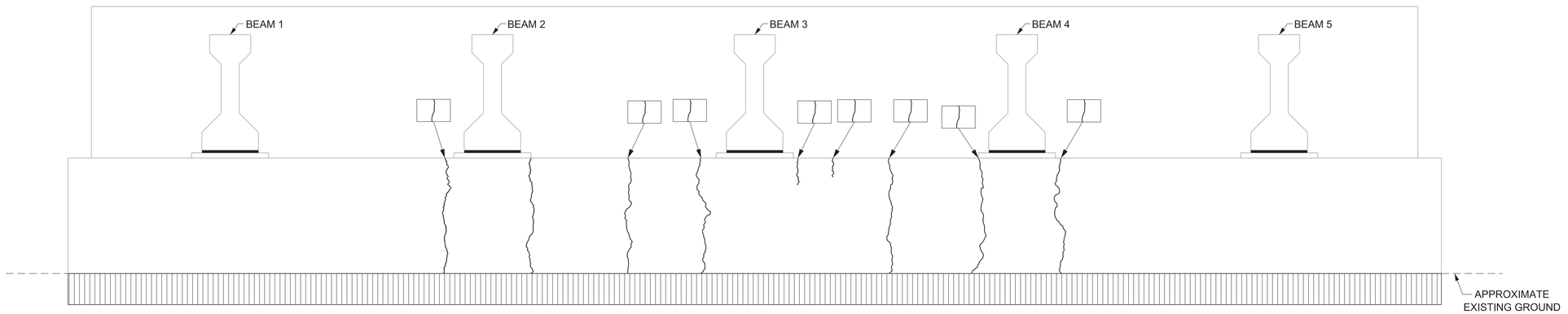
(LOOKING BACK ON SURVEY)



REMOVE LOOSE SOIL. CLASS "A" CONCRETE TO BE PLACED FROM FRONT SIDE OF ABUTMENT, FORMED AND FULLY CONSOLIDATED INTO PLACE.

FILL SETTLEMENT REPAIR DETAIL

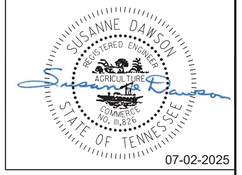
ALL COST ASSOCIATED WITH REPAIR OF SETTLEMENT AREA, INCLUDING ALL LABOR AND MISCELLANEOUS MATERIALS, SHALL BE INCLUDED IN ITEM NO. 604-10.55, CONCRETE (FOUNDATION REPAIRS),C.Y.



ABUTMENT 2 ELEVATION

(LOOKING AHEAD ON SURVEY)

SEALED BY



07-02-2025

ESTIMATED QUANTITIES			
LOCATION OF REPAIR	ITEM NO. 604-10.54, CONCRETE REPAIRS APPROX. REPAIR AREAS (S.F.)	ITEM NO. 604-10.55, CONCRETE (FOUNDATION REPAIRS) APPROX. REPAIR AREAS (C.Y.)	ITEM NO. 604-10.62, EPOXY INJECTION REPAIR (COMPLETE AND IN PLACE) APPROX. REPAIR AREAS (L.F.)
ABUTMENT 1	0.5	-	34
ABUTMENT 2	-	6	24

PIN NO.: 081615.01
DESIGN BY: SUSANNE DAWSON DATE: JUNE 2024
DRAWN BY: K. I. GLOUDOUA / D. PICKEL DATE: JUNE 2024
SUPERVISED BY: SUSANNE DAWSON DATE: JUNE 2024
CHECKED BY: FRANK BALE DATE: JUNE 2024

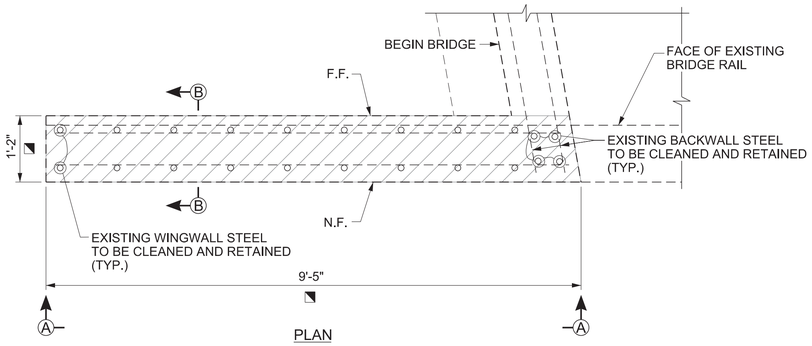
6/27/2025 11:15:06 AM
c:\pw_pf1\peplowtald4294668\BR-133-265_WO17_Abutment-Repairs.dgn

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

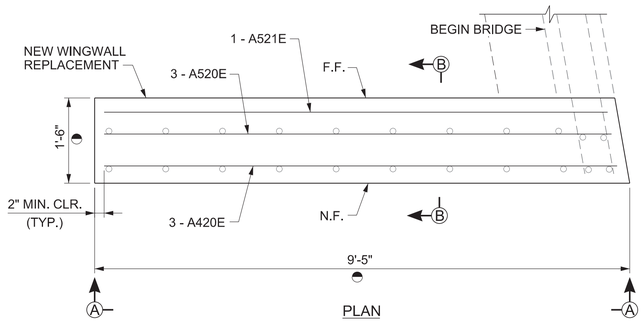
ABUTMENT REPAIRS

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-265



PLAN



PLAN

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-09

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

N.F. - DENOTES NEAR FACE
F.F. - DENOTES FAR FACE
E.F. - DENOTES EACH FACE

NOTES

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND ORDERING REINFORCING STEEL.

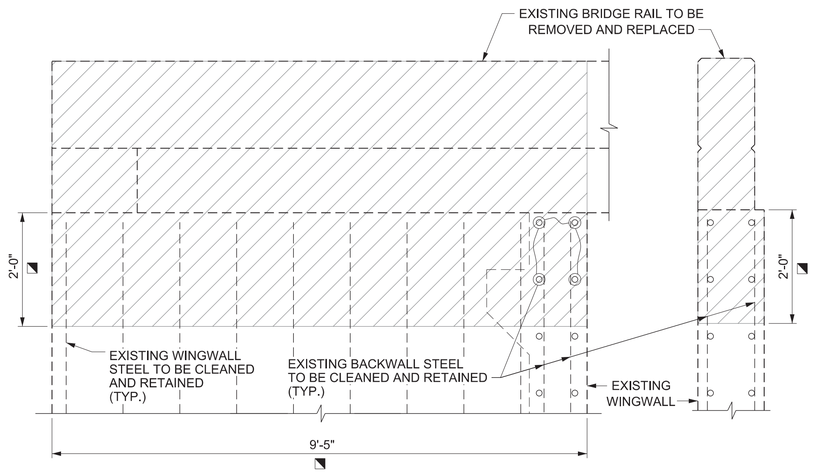
ALL COSTS OF LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF PORTIONS OF THE EXISTING WINGWALL AND BACKWALL AT BRIDGE NO. 65-SR062-13.77 SHALL BE INCLUDED UNDER ITEM NO. 202-04.01, REMOVAL OF STRUCTURES (BRIDGE NO. 65-SR062-13.77), LS.

ALL COSTS ASSOCIATED WITH PRESERVING AND CLEANING EXISTING REINFORCING STEEL AS SHOWN SHALL BE INCLUDED UNDER ITEM NO. 202-04.01, REMOVAL OF STRUCTURES (BRIDGE NO. 65-SR062-13.77), LS.

ALL COST ASSOCIATED WITH MODIFICATION OF THE EXISTING WINGPOST INCLUDING REPLACEMENT OF THE EXISTING WINGWALL AND BACKWALL, EPOXY COATED STEEL REINFORCEMENT, CONCRETE FORMING, LABOR AND ALL MISCELLANEOUS MATERIAL NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NO. 620-05.01, CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS), L.F.

SEE STANDARD DRAWING STD-1-1SS FOR ADDITIONAL DETAILS AND NOTES.

ALL WORK MUST MEET WITH THE FULL APPROVAL OF THE ENGINEER.



SECTION A-A

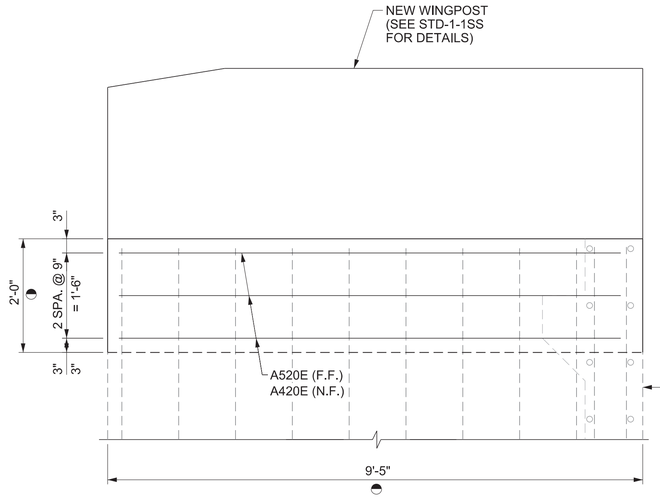
SECTION B-B

WINGWALL, WINGPOST, AND BACKWALL DEMOLITION

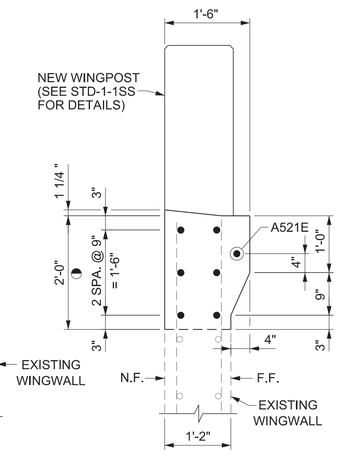
ABUTMENT 1 (SOUTH WINGWALL) SHOWN, OTHER WINGWALLS SIMILAR

DENOTES AREAS OF REMOVAL

DENOTES LIMITS OF WINGWALL AND BACKWALL REMOVAL



SECTION A-A



SECTION B-B

WINGWALL, WINGPOST, AND BACKWALL REPLACEMENT

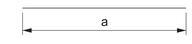
ABUTMENT 1 (SOUTH WINGWALL) SHOWN, OTHER WINGWALLS SIMILAR

DENOTES LIMITS OF WINGWALL AND BACKWALL REPLACEMENT

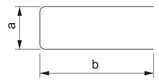
BILL OF STEEL (PER WINGWALL)

MARK	T	LOCATION	SZ	NO. RQ'D	DIMENSION a	b	c	d	e	LENGTH FT-IN	WEIGHT LBS
WINGWALL AND WINGPOST											
A420	E	WINGWALL	4	3	9'-0"					9'-0"	18
A520	E	WINGWALL	5	3	8'-11"					8'-11"	28
A521	E	WINGWALL	5	1	8'-10"					8'-10"	9
B570	E	WINGWALL / WINGPOST	5	6	2'-8"	7"				3'-3"	20
H400	E	WINGWALL / WINGPOST	4	3	3'-11"	10 1/2"				5'-8"	11
H401	E	WINGWALL / WINGPOST	4	1	3'-10"	9 7/8"				5'-6"	4
H402	E	WINGWALL / WINGPOST	4	1	3'-9"	8 3/4"				5'-3"	4
H403	E	WINGWALL / WINGPOST	4	1	3'-8"	7 5/8"				5'-0"	3
H404	E	WINGWALL / WINGPOST	4	1	3'-7"	6 1/2"				4'-8"	3
HD400E	E	WINGWALL / WINGPOST	4	1	5 7/8"	3'-11"				8'-4"	22
		@ 4 Bar Series		Each	To					To	
					3 3/4"					8'-2"	
HD401E	E	WINGWALL / WINGPOST	4	1	10"	3'-11"				8'-8"	29
		@ 5 Bar Series		Each	To					To	
					6 1/2"					8'-5"	
									Total Weight (LBS)		151

BAR DIMENSIONS ARE OUT-TO-OUT.
BARS ENDING IN "E" TO BE EPOXY COATED.

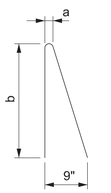


BARS A



BARS H

BARS B



BARS HD

SEALED BY

07-02-2025

PIN NO.: 081615.01

DESIGN BY:	SUSANNE DAWSON	DATE: JUNE 2024
DRAWN BY:	K. I. GLOUDOUA / D. PICKEL	DATE: JUNE 2024
SUPERVISED BY:	SUSANNE DAWSON	DATE: JUNE 2024
CHECKED BY:	FRANK BALE	DATE: JUNE 2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WINGWALL, WINGPOST, AND BACKWALL MODIFICATIONS

BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-266

6/27/2025 11:10:28 AM
c:\pw_pl1\peplowtal\d4294668\BR-133-266_WO17_Wingwall-Repairs.dgn

PROJECT NO.	YEAR	SHEET NO.
65S062-M3-002	2025	B-10

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

SPECIAL NOTES FOR EPOXY INJECTION

UNLESS OTHERWISE NOTED, THE INTENT OF THIS SPECIFICATION IS FOR DESIGNATED CRACKS TO BE INJECTED THEIR FULL LENGTH AND DEPTH.

DESIGNATED CRACKS SHALL BE INJECTED WITH AN APPROVED EPOXY RESIN ADHESIVE FILLING ALL VOIDS FOR THE CRACK DEPTH OR THICKNESS OF THE MEMBER. THE EPOXY RESIN ADHESIVE SHALL BE ON THE CURRENT QUALIFIED PRODUCTS LIST MAINTAINED BY THE DIVISION OF MATERIALS AND TEST. ALL CRACKS SHALL BE INJECTED USING AN ADHESIVE SUITABLE FOR THE FIELD CONDITIONS (CRACK WIDTH, TEMPERATURE, HUMIDITY, ETC.) RECOMMENDED BY THE ADHESIVE MANUFACTURER AS SHOWN ON MATERIAL DATA SHEETS. FOLLOWING INJECTION, ALL INJECTION PORTS AND CAPPING MATERIAL SHALL BE REMOVED FROM EXPOSED SURFACES LEAVING THE SURFACE SMOOTH AND FLUSH WITH THE SURROUNDING CONCRETE SURFACES.

THE CONTRACTOR SHALL HAVE SUFFICIENT EXPERIENCE AND TRAINING TO PERFORM THE EPOXY INJECTION IN ACCORDANCE WITH THESE PLANS. PRIOR TO PERFORMING ANY WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A WRITTEN PROCEDURE FOR PERFORMING THE EPOXY INJECTION. THE PROCEDURE SHALL DESCRIBE IN DETAIL HOW THE WORK WILL BE PERFORMED. THE PROCEDURE SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION.

1) DESCRIPTION OF EQUIPMENT.
   A. THE INJECTION EQUIPMENT SHALL BE OF THE TYPE THAT MIXES ADHESIVE COMPONENTS AT THE INJECTION HEAD.
   B. THE INJECTION EQUIPMENT SHALL BE CAPABLE OF DISCHARGING MIXED ADHESIVE AT ANY PRESSURE UP TO 300 PSI. THE INJECTION EQUIPMENT SHALL BE EQUIPPED WITH GAUGES WHICH CAN MEASURE THE INJECTION PRESSURE AND VOLUME.

2) EQUIPMENT CALIBRATION PROCEDURES AND SCHEDULE.

3) MATERIALS TO BE USED (INCLUDING MANUFACTURER DATA SHEETS)
   A. CAPPING MATERIAL
   B. EPOXY ADHESIVE (TYPE TO BE APPROPRIATE FOR CRACK SIZES TO BE INJECTED).

4) PORT SPACING
   A. PORT SPACING SHALL NOT BE LESS THAN THE THICKNESS OF THE CONCRETE IN THAT LOCATION.

5) INJECTION SEQUENCE
   A. INJECTION SHALL PROCEED FROM LOWER END OF CRACK ALONG ADJACENT PARTS.
   B. SKIPPING OF PORTS DURING INJECTION SHALL NOT BE ALLOWED.

THE CONTRACTOR SHALL HAVE THE MANUFACTURER'S INSTRUCTIONS FOR PROPORTIONING AND MIXING AVAILABLE AT THE JOB SITE AT ALL TIMES AND SHALL ENSURE THAT THE EQUIPMENT IS SUPPLYING THE MIXED ADHESIVE IN THE CORRECT PROPORTIONS.

TO ENSURE PROPER MIXING AND PROPORTIONING, SAMPLES SHALL BE TAKEN FROM THE INJECTOR HEAD AT THE START OF EACH WORKDAY AND EACH TIME THE ADHESIVE RESERVOIRS ARE REFILLED. THE SAMPLES SHALL BE IN A TEST CUP. THE SAMPLE SHALL BE MONITORED TO ENSURE THAT THE CURE TIME IS IN COMPLIANCE WITH THE MANUFACTURER'S DATA SHEETS. IF THE SAMPLES DO NOT CURE IN THE SPECIFIED TIME THEN THE EQUIPMENT USED TO PRODUCE THE SAMPLE SHALL NOT BE USED UNTIL THE PROBLEM IS CORRECTED.

CORE SAMPLES SHALL BE TAKEN AS VERIFICATION OF THE QUALITY OF WORK. THE CONTRACTOR SHALL TAKE ONE (1) ONE (1) INCH DIAMETER (FULL DEPTH OF CONCRETE AT LOCATION CORED) CORE SAMPLES STARTING WITH THE FIRST REPAIR LOCATION THEN EVERY THIRD REPAIR LOCATION AFTERWARDS. WORK SHALL NOT PROCEED UNTIL THE CORE SAMPLE IS TAKEN AND ACCEPTED. ALL CORE SAMPLES AND HOLES SHALL BE INDEXED FOR FUTURE REFERENCE. THE ENGINEER SHALL DESIGNATE ALL LOCATIONS TO BE CORED. IF ANY CORES SHOW UNACCEPTABLE RESULTS, ALL WORK SHALL BE STOPPED UNTIL THE CONTRACTOR SUBMITS A PROPOSAL FOR CORRECTING UNACCEPTABLE WORK.

THE INITIAL CORE WILL ALSO SERVE TO QUALIFY THE FOREMAN FOR THIS WORK. IF AT ANY TIME A NEW FOREMAN IS USED, HE SHALL BE QUALIFIED WITH A CORE SAMPLE.

THE CONTRACTOR, AT HIS EXPENSE, SHALL REPAIR ALL CORE HOLES WITH AN APPROVED CEMENTITIOUS PATCHING MATERIAL.

CORE SAMPLES SHALL BE VISUALLY INSPECTED TO CONFIRM THAT CRACKS ARE COMPLETELY FILLED WITH ADHESIVE. ANY CORE HAVING LESS THAN 95% OF THEM CRACK FILLED WITH ADHESIVE SHALL BE CONSIDERED UNACCEPTABLE AND BE REJECTED.

CORE SAMPLES SHALL BE TESTED FOR BOND STRENGTH. SAMPLES MAY BE FRACTURED BY HAMMER BLOW TO CRACK AREA OR THROWN AT A HARD SURFACE. IF ADHESIVE FAILURE OCCURS BEFORE CONCRETE FAILURE, THE CORE SHALL BE CONSIDERED UNACCEPTABLE AND REJECTED.

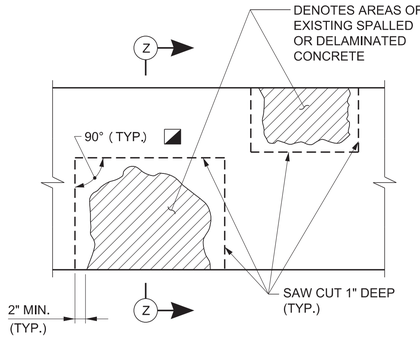
PAYMENT FOR EPOXY INJECTION CRACK REPAIR SHALL BE MADE UNDER ITEM NUMBERS 604-10.62, EPOXY INJECTION REPAIR (COMPLETE AND IN PLACE), L.F. AND 604-10.58, EPOXY INJECTION (INJECTION), GAL.

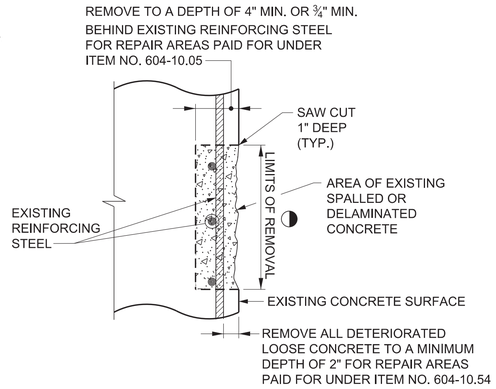
PRICE BID FOR ITEM NUMBER 604-10.62, EPOXY INJECTION REPAIR (COMPLETE AND IN PLACE), L.F. SHALL INCLUDE COST OF ALL LABOR AND MATERIALS (EXCEPT ADHESIVE) FOR GRINDING FOR SURFACE PREPARATION, CRACK PREPARATION, CAPPING, INJECTION OF ADHESIVE, ALL SAMPLES AND TESTING, REMOVAL OF CAPPING MATERIAL AND PORTS, AND OTHER INCIDENTALS. CRACKS SHALL BE MEASURED FOR PAYMENT ALONG THE LENGTH OF THE VISIBLE SURFACE CRACK.

PRICE BID FOR ITEM 604-10.58, EPOXY INJECTION (INJECTION), GAL., SHALL INCLUDE COST FOR ADHESIVE MATERIAL INJECTED ONLY.

NO PAYMENT SHALL BE MADE FOR REWORK DEEMED NECESSARY BY FAILURE OF ADHESIVE SAMPLES OR CORE SAMPLES.

ALL WORK INCLUDING SAMPLING AND TESTING SHALL BE IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE OR CONTRACT INSPECTORS. ANY WORK DONE WITHOUT INSPECTORS PRESENT SHALL NOT BE PAID FOR. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WEEKLY SCHEDULES OF WORK TO BE PERFORMED. SCHEDULES SHALL BE SUBMITTED AT LEAST THREE (3) DAYS IN ADVANCE OF WORK TO BE DONE. THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGE IN THE SCHEDULE A MINIMUM OF TWENTY -FOUR (24) HOURS IN ADVANCE OF CHANGE.





SECTION Z-Z

DETAILS SHOWING AREAS OF EXISTING SPALLED OR DELAMINATED CONCRETE SURFACES TO BE REMOVED AND REPAIRED

◑ - DENOTES LIMITS AND LOCATION OF REPAIRS TO BE DESIGNATED BY THE ENGINEER

◪ - DENOTES SAW CUT EXISTING CONCRETE SURFACES SO AS TO OBTAIN SQUARED CORNERS

NOTES

EXTREME CARE SHALL BE TAKEN WHEN REMOVING THE EXISTING SPALLED OR DELAMINATED CONCRETE SO AS NOT TO DAMAGE THE EXISTING REINFORCING STEEL. ALL EXPOSED EXISTING REINFORCING STEEL SHALL RECEIVE A COMPLETE CLEANING TO REMOVE ALL RUST. ALL EXISTING REINFORCEMENT SHALL REMAIN IN PLACE AND INCORPORATED INTO THE NEW CONSTRUCTION. ALL WORK MUST MEET WITH THE FULL APPROVAL OF THE ENGINEER.

THE ENGINEER SHALL HAVE THE OPTION OF DESIGNATING A SPALLED OR DELAMINATED AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 OR 604-10.54. PATCHING MATERIAL FOR ITEM NO. 604-10.05 SHALL BE HIGH EARLY STRENGTH CONCRETE. PATCHING MATERIAL FOR ITEM NO. 604-10.54 SHALL BE A POLYMER MODIFIED CEMENTITIOUS STRUCTURAL PATCHING MATERIAL.
SEE TDOT QUALIFIED PRODUCTS LIST 13, SECTION B, MATERIAL QPL 13.009.

PNEUMATICALLY PLACED CONCRETE IS NOT ALLOWED.

COST OF SAW CUTTING, REMOVING SPALLED OR DELAMINATED CONCRETE, CLEANING, PATCHING MATERIAL, LABOR AND ANY MISCELLANEOUS MATERIALS NECESSARY TO COMPLETE THE REPAIRS AS SHOWN TO BE INCLUDED IN ITEM NO. 604-10.54, CONCRETE REPAIRS, S.F. OR ITEM NO. 604-10.05, CONCRETE, S.F.

THE ENGINEER SHALL DESIGNATE ALL SPALLED OR DELAMINATED CONCRETE REPAIR AREAS IN THE FIELD. QUANTITIES GIVEN ARE APPROXIMATE. ITEM NO. 604-10.05 AND 604-10.54 MAY BE INCREASED, DECREASED OR ELIMINATED AS DIRECTED BY THE ENGINEER.

POWER HAND DRIVEN TOOLS USED FOR REMOVAL OF UNSOUND CONCRETE ARE SUBJECT TO THE FOLLOWING RESTRICTIONS:
1. PNEUMATIC HAMMERS HEAVIER THAN THE 35 LB. CLASS SHALL NOT BE USED.
2. CHIPPING HAMMERS OF THE 15 LB. CLASS SHALL BE USED TO REMOVE CONCRETE FROM BEHIND REINFORCING STEEL.

SEALED BY

07-02-2025

PIN NO.: 081615.01

DESIGN BY:	SUSANNE DAWSON	DATE: JUNE 2024
DRAWN BY:	K. I. GLOUDOUA / D. PICKEL	DATE: JUNE 2024
SUPERVISED BY:	SUSANNE DAWSON	DATE: JUNE 2024
CHECKED BY:	FRANK BALE	DATE: JUNE 2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CONCRETE REPAIR DETAILS
BRIDGE NO. 65-SR062-13.77
FEDERAL BRIDGE ID NO.
65SR0620003
SR 62 OVER LITTLE CLEAR CREEK,
LM 13.77
MORGAN COUNTY
2025

BR-133-267

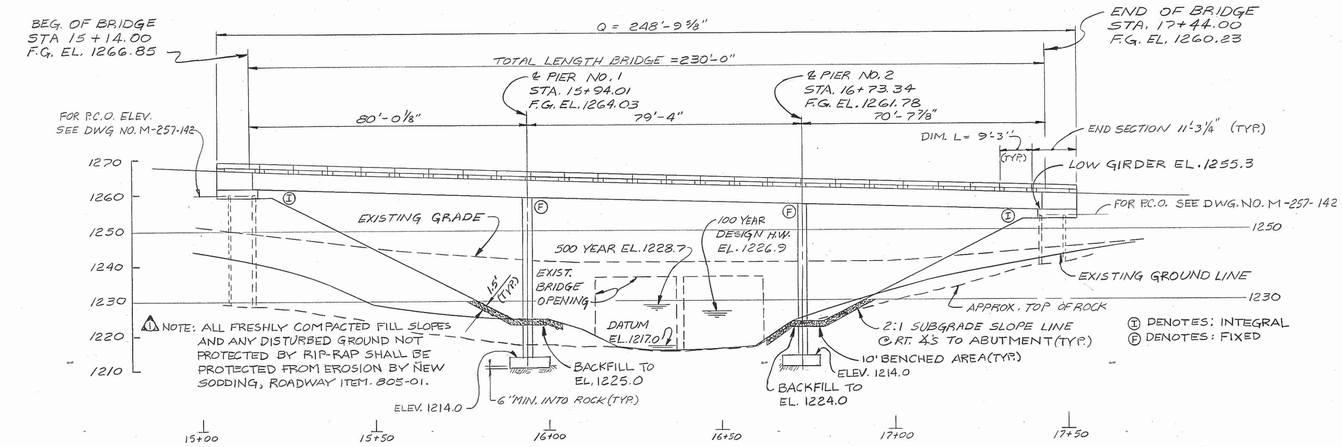
5/21/2025 2:18:30 PM
c:\pw_pl1\pickeld\d4294668\BR-133-267_WO17_ConcreteRepairDetails.dgn

CONST. NO. 65008-3225-94

PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

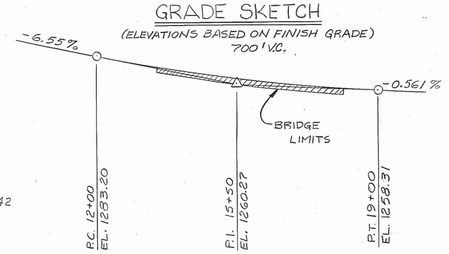
REVISIONS

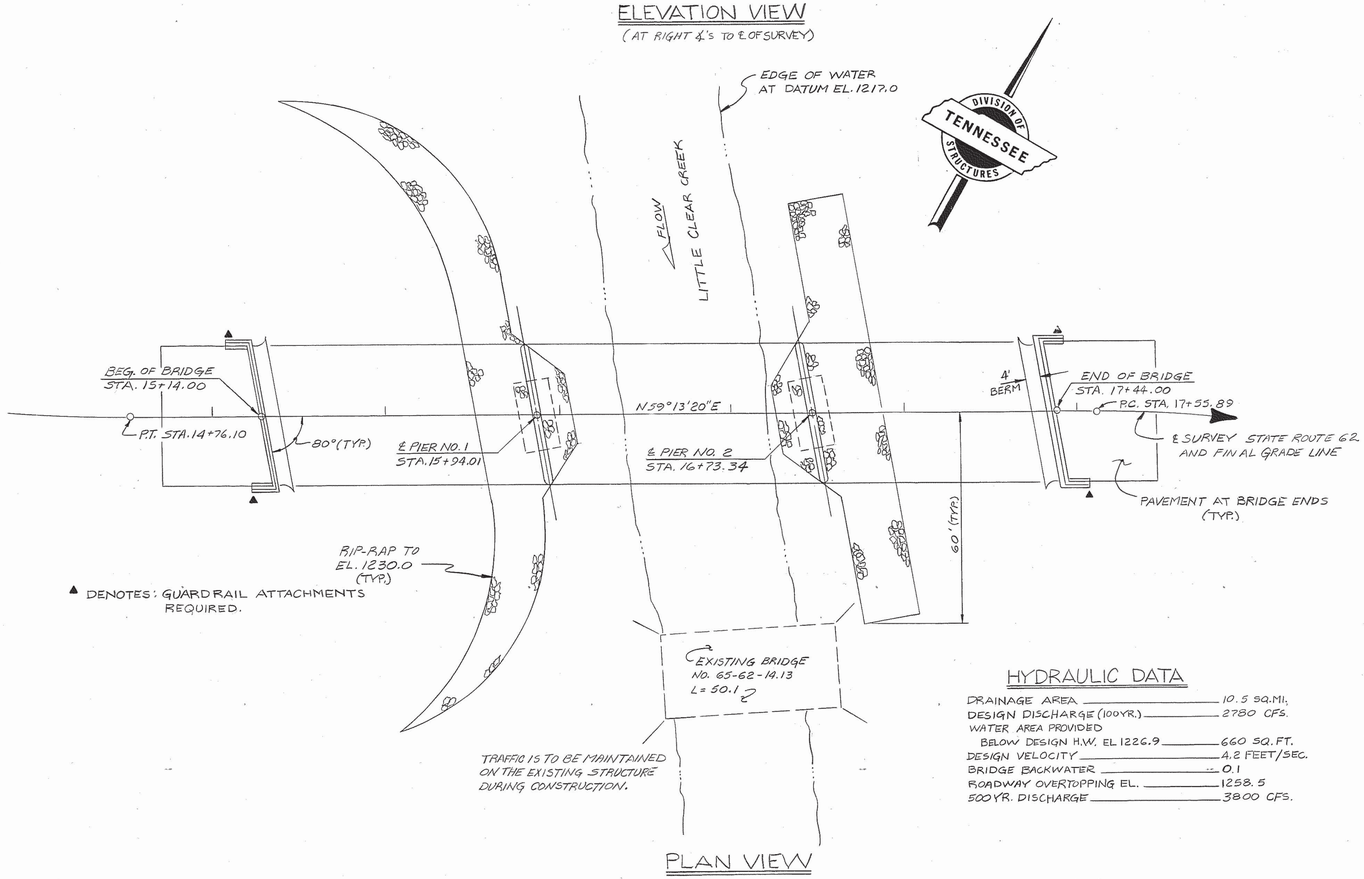
NO.	DATE	BY	BRIEF DESCRIPTION
1	10-15-91	KE	ITEM NUMBER
2	3-12-92	CMD	ADDED LAST REV. DATES



ELEVATION VIEW
(AT RIGHT ℄'s TO ℄ OF SURVEY)

GRADE SKETCH
(ELEVATIONS BASED ON FINISH GRADE)





PLAN VIEW

HYDRAULIC DATA

DRAINAGE AREA	10.5 SQ.MI.
DESIGN DISCHARGE (100YR.)	2780 CFS.
WATER AREA PROVIDED BELOW DESIGN H.W. EL 1226.9	660 SQ.FT.
DESIGN VELOCITY	4.2 FEET/SEC.
BRIDGE BACKWATER	0.1
ROADWAY OVERTOPPING EL.	1258.5
500 YR. DISCHARGE	3800 CFS.

LIST OF DRAWINGS

	DWG. NO.	LAST REV. DATE
LAYOUT	M-257-136	3-12-92
GENERAL NOTES AND ESTIMATED QUANTITIES	M-257-137	3-12-92
FOUNDATION DATA	M-257-138	
SUPERSTRUCTURE	M-257-139	
PRESTRESSED I-BEAM DETAILS SPANS NO. 1 AND NO. 2	M-257-140	
PRESTRESSED I-BEAM DETAILS SPAN NO. 3	M-257-141	
ABUTMENT NO. 1 & NO. 2	M-257-142	
ABUTMENTS NO. 1 AND 2 DETAILS	M-257-143	
PIERS NO. 1 AND NO. 2	M-257-144	3-12-92
BILL OF STEEL	M-257-145	3-12-92

LIST OF STANDARD DRAWINGS

	DWG. NO.	LAST REV. DATE
REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLAB	STD.-9-1	09-1-91
MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS	STD.-10-1	09-1-91
STD. PRECAST, PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA	STD.-4-1	09-1-91
STD. PRECAST, PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD.-4-2	09-1-91
STD. PRECAST, PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS	STD.-4-3	09-1-91
STD. PILE DETAILS	STD.-5-1	09-1-91
STD. PILE DETAILS	STD.-5-2	09-1-91
STD. CONCRETE BRIDGE RAIL	STD.-7-1	09-1-91
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD.-1-3	09-1-91
STANDARD SEISMIC DETAILS	STD.-6-1	09-1-91

LIST OF SPECIAL PROVISIONS

	PROV. NO.	LAST REV. DATE
APPROVAL OF SHOP DRAWINGS	105 A	07-21-87
CONCRETE STRUCTURES	604	02-18-91
CONTRACTOR-MIX DESIGN AND TESTING STRUCTURAL CONCRETE	604CX	09-16-91
PRECAST, PRESTRESSED BRIDGE DECK PANELS	604P	08-05-91
RIDEABILITY OF BRIDGE DECKS AND ROADWAY APPROACHES	604R	05-14-90
PRECAST, PRESTRESSED CONCRETE BRIDGE MEMBERS	615	12-1-83
MACHINED RIP-RAP	709	05-04-87
REV. AND ADDITIONS TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION	100	08-05-91
EPOXY COATED REINFORCING STEEL	907A	03-25-85

40'-0" ROADWAY WITH M-192-147 RAIL
2011 ADT = 1695 DESIGN SPEED = 50 MPH

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

LAYOUT
STATE ROUTE 62 OVER LITTLE CLEAR CREEK
STATION 16+29.00
MORGAN COUNTY
1991

DESIGNED BY W. MACKIE DATE 2-91
DRAWN BY J.E. DODSON DATE 8-91
SUPERVISED BY J.FIELDS & R. WOODS DATE 8-91
CHECKED BY C. BRANTLEY & W. MACKIE DATE 8-91

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

APPROVED _____
DIRECTOR OF HIGHWAYS

M-257-136

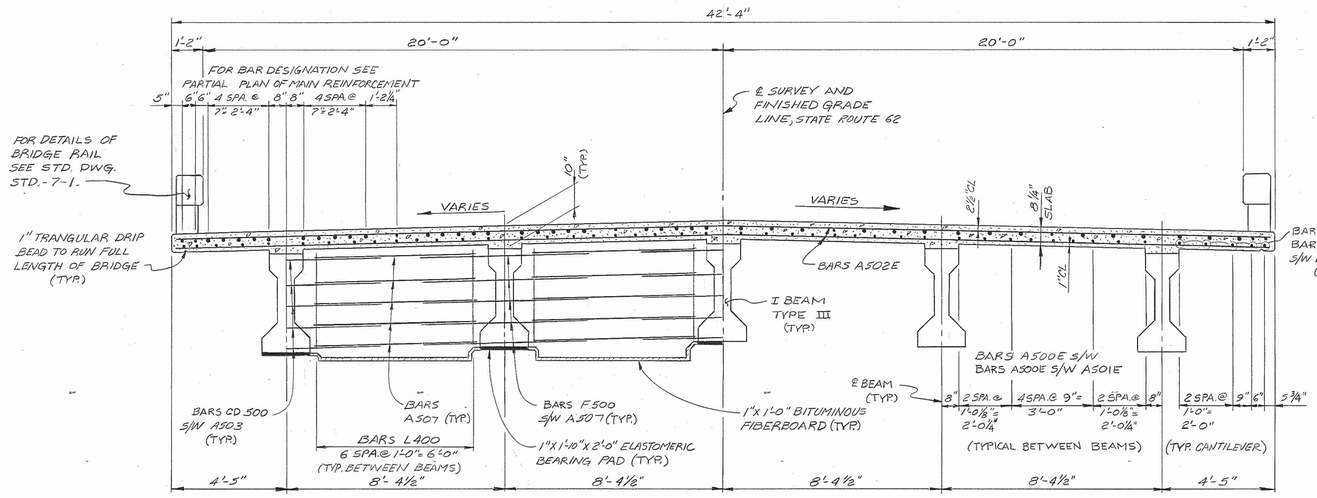
315233

CONST. NO. 65008-3225-94

PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

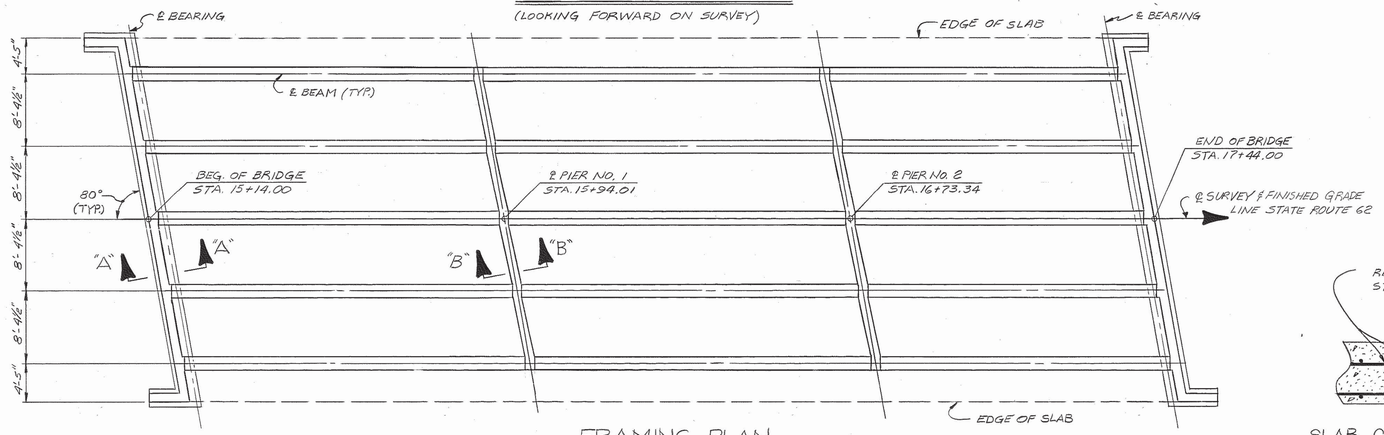


HALF SECTION ℄ SUPPORT

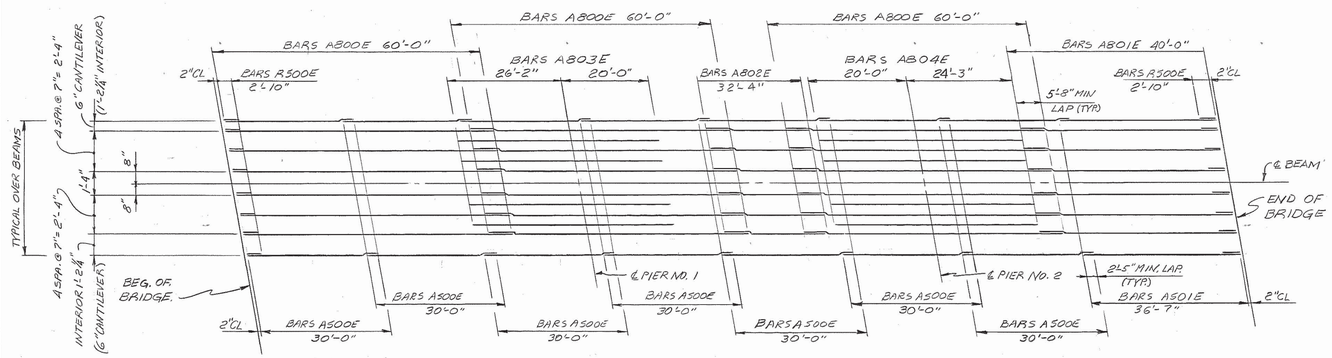
HALF SECTION ℄ MID SPAN

TYPICAL CROSS-SECTION

(LOOKING FORWARD ON SURVEY)

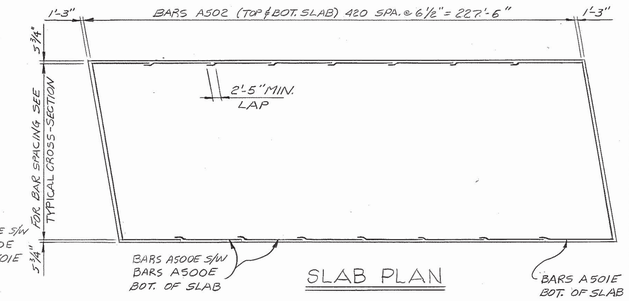


FRAMING PLAN

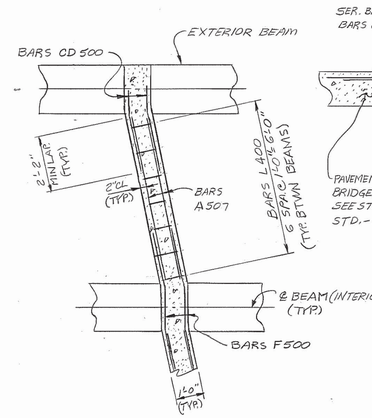


PART PLAN OF MAIN REINFORCEMENT

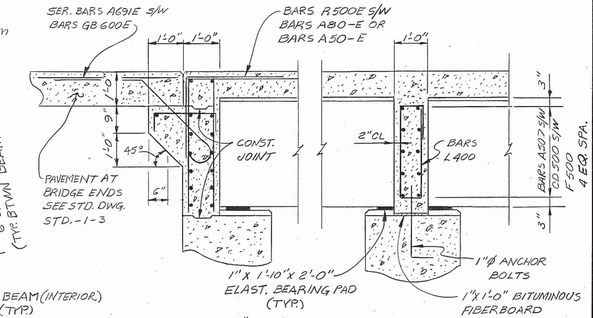
DESIGNED BY W. MACKIE DATE 5/91
DRAWN BY J. DODSON DATE 5/91
SUPERVISED BY J. FIELDS & H. PATE DATE 5/91
CHECKED BY W. MACKIE & T. LEWIS DATE 5/91



SLAB PLAN



PART PLAN OF DIAPHRAGM



SECTION "A-A"

SECTION "B-B"

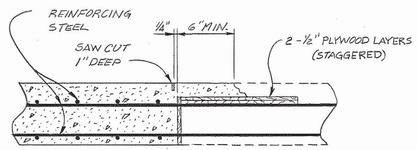
SPECIAL NOTE FOR ANCHOR BOLTS AT PIERS : ANCHOR BOLT ASSEMBLIES AT PIERS SHALL BE IN ACCORDANCE WITH STANDARD DRAWING STD-6-1.

NOTE: SUPPORT DIAPHRAGMS SHALL BE POURED CONCURRENTLY WITH THE DECK SLAB AND INCLUDED IN THE QUANTITY FOR ITEM 604-01.12.

NOTE: WHEN POURING SLAB, PROVISION SHALL BE MADE FOR SETTING REINFORCING STEEL FOR BRIDGE RAIL. THE BRIDGE RAIL SHALL NOT BE POURED UNTIL THE SLAB IS POURED AND CURED. ALSO SEE DRAWING NO. STD.-7-1.

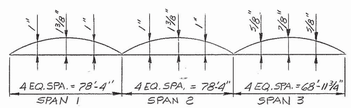
NOTE: ALL BEAMS TO BE SUPPORTED DURING CONSTRUCTION OF SLAB TO PREVENT ROTATION.

NOTE: NO PORTION OF THE BRIDGE RAIL SHALL BE POURED UNTIL THE ENTIRE DECK SLAB HAS BEEN POURED AND ALL SUPERSTRUCTURE FALSEWORK HAS BEEN REMOVED.



SLAB CONSTRUCTION JOINT DETAIL

NOTE: SLAB CONSTRUCTION JOINTS MAY BE LOCATED AT THE CONTRACTOR'S OPTION EXCEPT NO JOINT MAY BE LOCATED CLOSER THAN 1/5 SPAN LENGTH FROM AN INTERIOR SUPPORT. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS DURING PLACEMENT OF SLAB TO PREVENT THE EXTERIOR BEAM FROM TWISTING. NO EQUIPMENT SHALL BE PERMITTED ON THE BRIDGE UNTIL ALL POURS ARE MADE AND THE CONCRETE IS PROPERLY CURED. ALL SLAB CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE SLAB CONSTRUCTION JOINT DETAIL SHOWN ABOVE.



DEAD LOAD CORRECTION CURVE

THIS CURVE IS FOR DEAD LOAD SLAB AND ALL DEAD LOADS THAT ARE APPLIED AFTER SLAB IS IN PLACE AND SHOULD BE CORRECTED TO COMPENSATE FOR THE EFFECTS DUE TO VERTICAL CURVE. IF PRESTRESSED DECK PANELS ARE USED AND THE BEAMS ARE PROFILED AFTER PANELS ARE IN PLACE, REDUCE THE DEAD LOAD CORRECTION VALUES SHOWN BY 25%.

ESTIMATED QUANTITIES

CLASS "A" CONCRETE (BRIDGE DECK) C.Y.	CLASS "A" CONCRETE (BRIDGES) C.Y.	EPOXY REINFORCING STEEL LB.	REINFORCING STEEL LB.
266	22	78,531	3,170

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

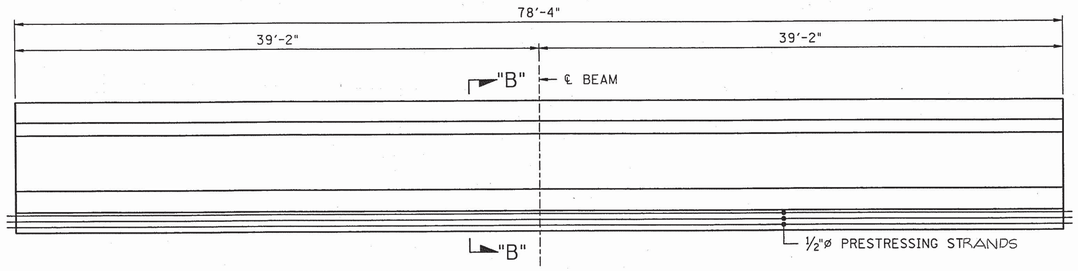
SUPERSTRUCTURE
STATE ROUTE 62 OVER
LITTLE CLEAR CREEK
STATION 16+29.00
MORGAN COUNTY
1991

CORRECT Edward P Wiseman
ENGINEER OF STRUCTURES

APPROVED _____
DIRECTOR OF HIGHWAYS

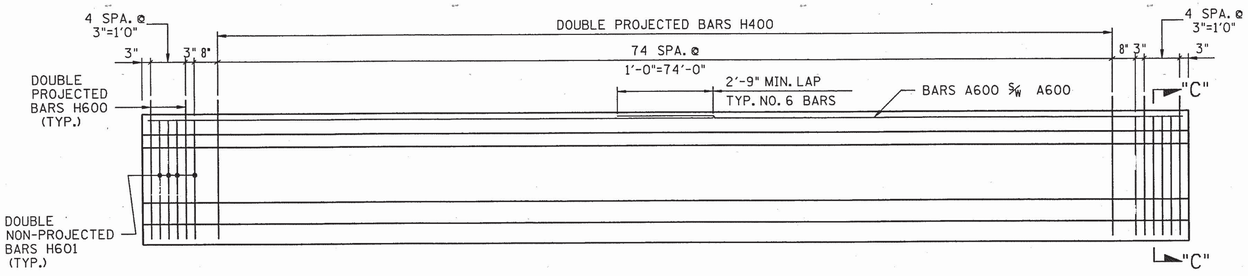
M-257-139

IB058F.DGN



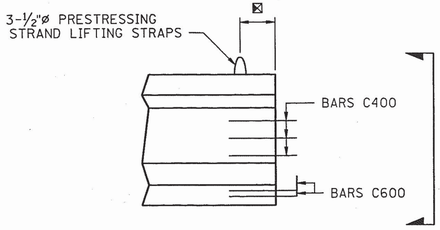
ELEVATION

(SHOWING PRESTRESSING STRANDS)



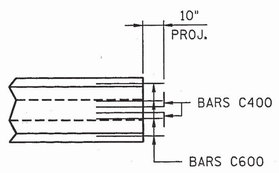
ELEVATION

(SHOWING STIRRUP BAR ARRANGEMENT)

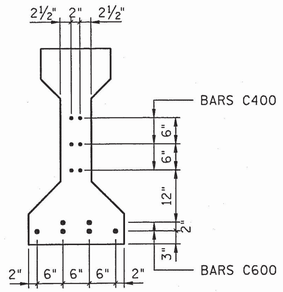


PART-ELEVATION

☒ DENOTES: DISTANCE TO BE DETERMINED BY THE FABRICATOR

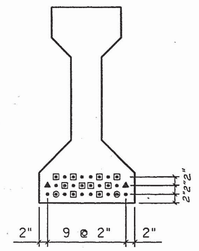


PART-PLAN



ELEVATION "D-D"

□ DENOTES: BOND BREAK 8'-9" FROM END OF BEAM
△ DENOTES: BOND BREAK 14'-10" FROM END OF BEAM
○ DENOTES: BOND BREAK 25'-0" FROM END OF BEAM

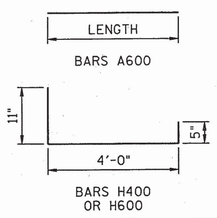


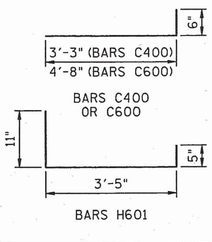
SECTION "B-B"

SHOWING PRESTRESSING STRANDS

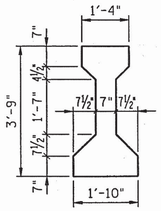
BILL OF STEEL - PER BEAM

BAR	SIZE	NO. REQ'D	LENGTH
A600	6	4	40'-4"
C400	4	12	3'-9"
C600	6	12	5'-2"
H400	4	150	5'-4"
H600	6	8	5'-4"
H601	6	16	4'-9"

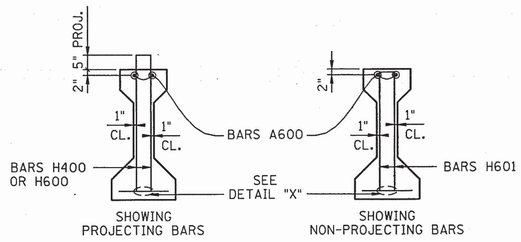




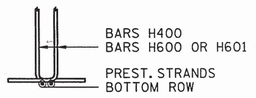
DESIGNED BY W. MACKIE DATE 8-91
DRAWN BY J.E. DODSON DATE 8-91
SUPERVISED BY J. FIELDS & H. PATE DATE 8-91
CHECKED BY C. BERNATEK & T. LEWIS DATE 8-91



AASHTO TYPE III



SECTION "C-C"



DETAIL "X"

SPAN NO. 1

PRESTRESSED BEAM DESIGN DATA - PER BEAM

LIVE LOAD DISTRIBUTION FACTOR: 1.523 WHEELS
COMPOSITE DEAD LOAD: 456 LB/FT
COMPOSITE DESIGN SLAB (f'c = 3000 PSI): 77.850 IN. x 8.250 IN.

COMPOSITE DL + LIVE LOAD MAXIMUM DESIGN VALUES	SPAN POINT					
	0.0	0.1	0.2	0.3	0.4	0.5
POSITIVE MOMENT (K-FT) SL	0	500	839	1029	1104	1066
NEGATIVE MOMENT (K-FT) SL	0	62	94	97	71	16
SHEAR (K) LF	253	218	180	142	103	-63

MAXIMUM STRESS (PSI) SL	@ MIDSPAN		@ END SPAN	
	TOP	BOTTOM	TOP	BOTTOM
INIT PRES + BM DL	-102	2634	-471	1661
FINAL PRES + TOTAL DL + LL	1866	-321	-444	2250

(NO SIGN DENOTES COMPRESSION; '-' DENOTES TENSION)

ULTIMATE MOMENT CAPACITY REQUIRED = 3543 K-FT
ULTIMATE MOMENT CAPACITY PROVIDED = 4525 K-FT

NOTE: DOWNWARD DEFLECTION UNDER TOTAL DL IS NOT ALLOWED.

SPAN NO. 2

PRESTRESSED BEAM DESIGN DATA - PER BEAM

LIVE LOAD DISTRIBUTION FACTOR: 1.523 WHEELS
COMPOSITE DEAD LOAD: 456 LB/FT
COMPOSITE DESIGN SLAB (f'c = 3000 PSI): 77.850 IN. x 8.250 IN.

COMPOSITE DL + LIVE LOAD MAXIMUM DESIGN VALUES	SPAN POINT					
	0.0	0.1	0.2	0.3	0.4	0.5
POSITIVE MOMENT (K-FT) SL	-194	-36	316	583	745	790
NEGATIVE MOMENT (K-FT) SL	-996	-629	-456	-311	-209	-176
SHEAR (K) LF	253	218	180	142	103	-63

MAXIMUM STRESS (PSI) SL	@ MIDSPAN		@ END SPAN	
	TOP	BOTTOM	TOP	BOTTOM
INIT PRES + BM DL	-93	2627	-471	1662
FINAL PRES + TOTAL DL + LL	1827	-45	-451	2270

(NO SIGN DENOTES COMPRESSION; '-' DENOTES TENSION)

ULTIMATE MOMENT CAPACITY REQUIRED = 3064 K-FT
ULTIMATE MOMENT CAPACITY PROVIDED = 4529 K-FT

NOTE: DOWNWARD DEFLECTION UNDER TOTAL DL IS NOT ALLOWED.

ESTIMATED QUANTITIES - PER BEAM

NO. BEAMS REQ'D	PRESTRESSING STRANDS (LOW RELAXATION) LB.	CLASS "A" CONCRETE C.Y.	REINFORCING STEEL LB.
10	1159	11.3	1078

CONST. NO. 65008-3225-94

PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

NOTES:

1) THE TOP OF ALL BEAMS ARE TO BE ROUGH FLOATED. AT APPROXIMATELY THE TIME OF INITIAL SET, THE TOP OF THE BEAMS SHALL ALSO BE SCRUBBED TRANSVERSELY WITH A COARSE WIRE BRUSH TO REMOVE ALL LAITANCE AND PRODUCE A ROUGH SURFACE. WHERE PRECAST SLAB PANELS ARE TO BE USED AND SET ON BITUMINOUS FIBERBOARD, THE OUTER TWO INCHES OF THE TOP FLANGE MAY BE TROWELED.
2) MILD STEEL REINFORCING SHALL BE ASTM A615 GRADE 60.
3) ALL PRESTRESSING STRANDS TO BE ½"ø ASTM GRADE 270K, 7 WIRE UNCOATED STRESS RELIEVED LOW RELAXATION PRESTRESSING STRANDS.
4) AFTER THE BEAM IS REMOVED FROM THE PRESTRESSING BED, BARS C600 AND C400 SHALL BE BENT A SUFFICIENT AMOUNT SO AS TO PERMIT THE "C" BARS OF ADJOINING BEAM TO MESH WHEN IN THE ERECTED POSITION.
5) THE PRESTRESSING STRANDS SHALL BE LEFT PROJECTING 3"± FROM THE ENDS OF THE BEAMS. THERE SHALL NOT BE ANY PROTECTIVE COATING PLACED ON THE ENDS OF THE BEAMS OR ON THE PROJECTING STRANDS.
6) THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 5700 ± PSI AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 4500 ± PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.
7) AN INITIAL FORCE OF 31,003 LBS. SHALL BE APPLIED TO EACH STRAND IN ALL BEAMS.
8) ALL BEAMS ARE AASHTO - PCI STANDARD TYPE III .
9) PRESTRESSING STRANDS SHALL NOT BE GREATER THAN NOMINAL ½" DIAMETER.
10) THE SEQUENCE FOR TRANSFER OF STRESS OR THE CUTTING STRANDS SHALL BE IN ACCORDANCE WITH ARTICLE 615.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND SHALL BE SHOWN ON THE APPROVED SHOP DRAWINGS. AT NO TIME SHALL MORE THAN 1/6TH OF THE TOTAL PRESTRESSING FORCE BE ECCENTRIC ABOUT THE CENTERLINE OF THE BEAM.

SL DENOTES: SERVICE LOAD
LF DENOTES: LOAD FACTOR

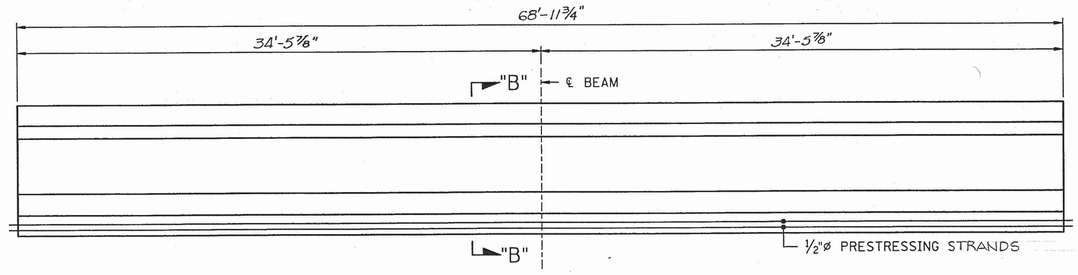
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

PRESTRESSED I-BEAM DETAILS SPANS NO. 1 AND 2 STATE ROUTE 62 OVER LITTLE CLEAR CREEK STATION 16+29.00 MORGAN COUNTY 1991

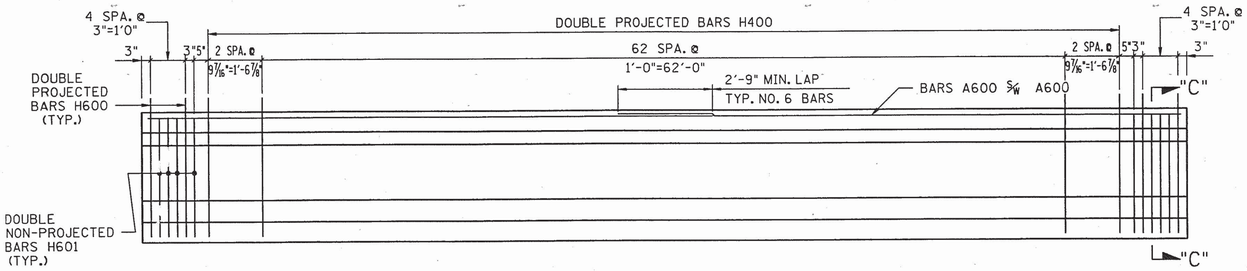
CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

M-257-140

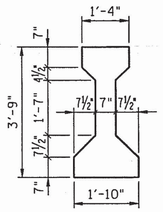
IB059F.DGN



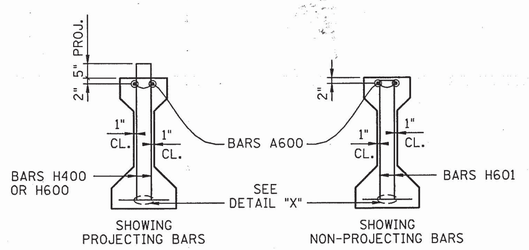
ELEVATION
(SHOWING PRESTRESSING STRANDS)



ELEVATION
(SHOWING STIRRUP BAR ARRANGEMENT)

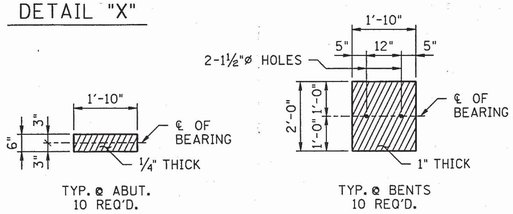


AASHTO TYPE III

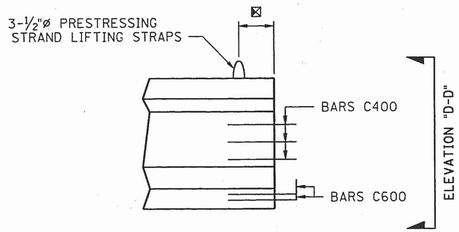


SECTION "C-C"

DETAIL "X"

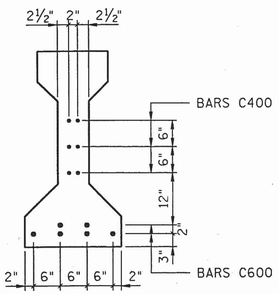


ELASTOMERIC BEARING PAD DETAILS

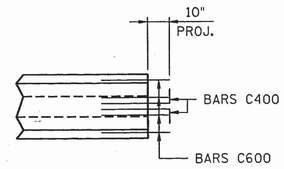


PART-ELEVATION

☒ DENOTES: DISTANCE TO BE DETERMINED BY THE FABRICATOR

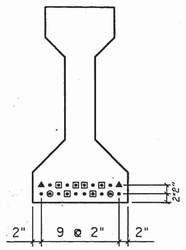


ELEVATION "D-D"



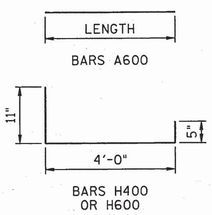
PART-PLAN

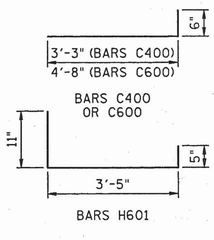
□ DENOTES: BREAK BOND 3'-6" FROM END OF BEAM
△ DENOTES: BREAK BOND 6'-4" FROM END OF BEAM
○ DENOTES: BREAK BOND 9'-4" FROM END OF BEAM



SECTION "B-B"
SHOWING PRESTRESSING STRANDS

BILL OF STEEL - PER BEAM			
BAR	SIZE	NO. REQ'D	LENGTH
A600	6	4	35'-8"
C400	4	12	3'-9"
C600	6	12	5'-2"
H400	4	134	5'-4"
H600	6	8	5'-4"
H601	6	16	4'-9"





PRESTRESSED BEAM DESIGN DATA - PER BEAM

LIVE LOAD DISTRIBUTION FACTOR: 1.523 WHEELS
COMPOSITE DEAD LOAD: 456 LB/FT
COMPOSITE DESIGN SLAB (f'c = 3000 PSI): 77.850 IN. x 8.250 IN.

COMPOSITE DL + LIVE LOAD MAXIMUM DESIGN VALUES	SPAN POINT					
	0.0	0.1	0.2	0.3	0.4	0.5
POSITIVE MOMENT (K-FT) SL	-103	26	307	591	799	909
NEGATIVE MOMENT (K-FT) SL	-873	-506	-358	-234	-132	-53
SHEAR (K) LF	248	218	187	153	118	81

MAXIMUM STRESS (PSI) SL	℄ MIDSPAN		℄ END SPAN	
	TOP	BOTTOM	TOP	BOTTOM
INIT PRES + BM DL	-127	1967	-357	1224
FINAL PRES + TOTAL DL + LL	1386	-323	-344	1800

(NO SIGN DENOTES COMPRESSION; '-' DENOTES TENSION)

ULTIMATE MOMENT CAPACITY REQUIRED = 2924 K-FT
ULTIMATE MOMENT CAPACITY PROVIDED = 3334 K-FT

NOTE: DOWNWARD DEFLECTION UNDER TOTAL DL IS NOT ALLOWED.

ESTIMATED QUANTITIES - PER BEAM			
NO. BEAMS REQ'D	PRESTRESSING STRANDS (LOW RELAXATION) LB.	CLASS "A" CONCRETE C.Y.	REINFORCING STEEL LB.
5	730	9.9	993

NOTE: COST OF ELASTOMERIC PADS AND RUBBER BONDING CEMENT TO BE INCLUDED IN THE COST OF PRESTRESSED BEAM.

CONST. NO. 65008-3225-94

PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

NOTES:

1) THE TOP OF ALL BEAMS ARE TO BE ROUGH FLOATED. AT APPROXIMATELY THE TIME OF INITIAL SET, THE TOP OF THE BEAMS SHALL ALSO BE SCRUBBED TRANSVERSELY WITH A COARSE WIRE BRUSH TO REMOVE ALL LAITANCE AND PRODUCE A ROUGH SURFACE. WHERE PRECAST SLAB PANELS ARE TO BE USED AND SET ON BITUMINOUS FIBERBOARD, THE OUTER TWO INCHES OF THE TOP FLANGE MAY BE TROWELED.
2) MILD STEEL REINFORCING SHALL BE ASTM A615 GRADE 60.
3) ALL PRESTRESSING STRANDS TO BE ½"ø ASTM GRADE 270K, 7 WIRE UNCOATED STRESS RELIEVED LOW RELAXATION PRESTRESSING STRANDS.
4) AFTER THE BEAM IS REMOVED FROM THE PRESTRESSING BED, BARS C600 AND C400 SHALL BE BENT A SUFFICIENT AMOUNT SO AS TO PERMIT THE "C" BARS OF ADJOINING BEAM TO MESH WHEN IN THE ERECTED POSITION.
5) THE PRESTRESSING STRANDS SHALL BE LEFT PROJECTING 3"± FROM THE ENDS OF THE BEAMS. THERE SHALL NOT BE ANY PROTECTIVE COATING PLACED ON THE ENDS OF THE BEAMS OR ON THE PROJECTING STRANDS.
6) THE CONCRETE FOR THIS CONSTRUCTION SHALL BE OF SUCH PROPERTIES AS TO ATTAIN A COMPRESSIVE STRENGTH OF NOT LESS THAN 5100 ± PS AT THE AGE OF 28 DAYS AND STRESS TRANSFER SHALL NOT BE MADE TO THE BRIDGE MEMBER UNTIL THE TEST SPECIMENS INDICATE THAT THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 4500 ± PSI. SEE GENERAL NOTES FOR CONCRETE FINISHING NOTE.
7) AN INITIAL FORCE OF 31,003 LBS. SHALL BE APPLIED TO EACH STRAND IN ALL BEAMS.
8) ALL BEAMS ARE AASHTO - PCI STANDARD TYPE III.
9) PRESTRESSING STRANDS SHALL NOT BE GREATER THAN NOMINAL ½" DIAMETER.
10) THE SEQUENCE FOR TRANSFER OF STRESS OR THE CUTTING STRANDS SHALL BE IN ACCORDANCE WITH ARTICLE 615.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND SHALL BE SHOWN ON THE APPROVED SHOP DRAWINGS. AT NO TIME SHALL MORE THAN 1/6TH OF THE TOTAL PRESTRESSING FORCE BE ECCENTRIC ABOUT THE CENTERLINE OF THE BEAM.
11) ELASTOMERIC PADS TO BE ¼"×6"×1'-10" AT ABUTMENTS AND 1"×2'-0"×1'-10" WITH 1½"ø HOLES AT BENTS.

SL DENOTES: SERVICE LOAD
LF DENOTES: LOAD FACTOR

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

PRESTRESSED I-BEAM DETAILS SPAN NO. 3 STATE ROUTE 62 OVER LITTLE CLEAR CREEK STATION 16+29.00 MORGAN COUNTY 1991

DESIGNED BY W. MACKIE DATE 8-91
DRAWN BY J.E. Dodson DATE 8-91
SUPERVISED BY J. FIELDS & H. PATE DATE 8-91
CHECKED BY C. BERNATEK & T. FIELDS DATE 8-91

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

M-257-141

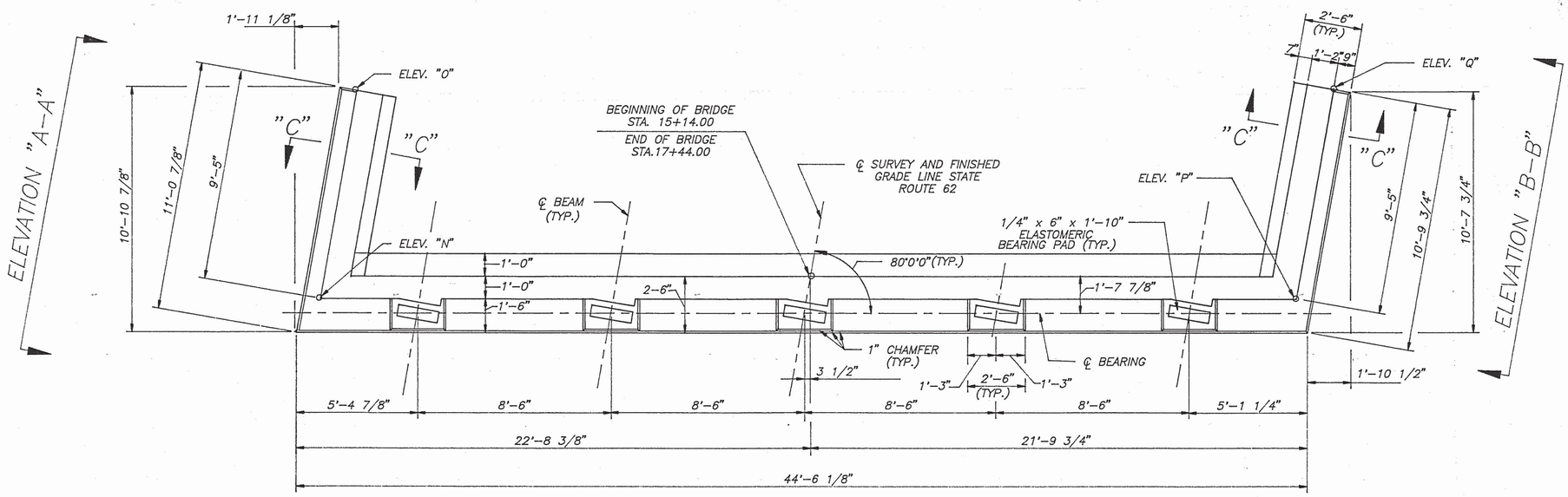
A8002

CONST. NO. 65008-3225-94

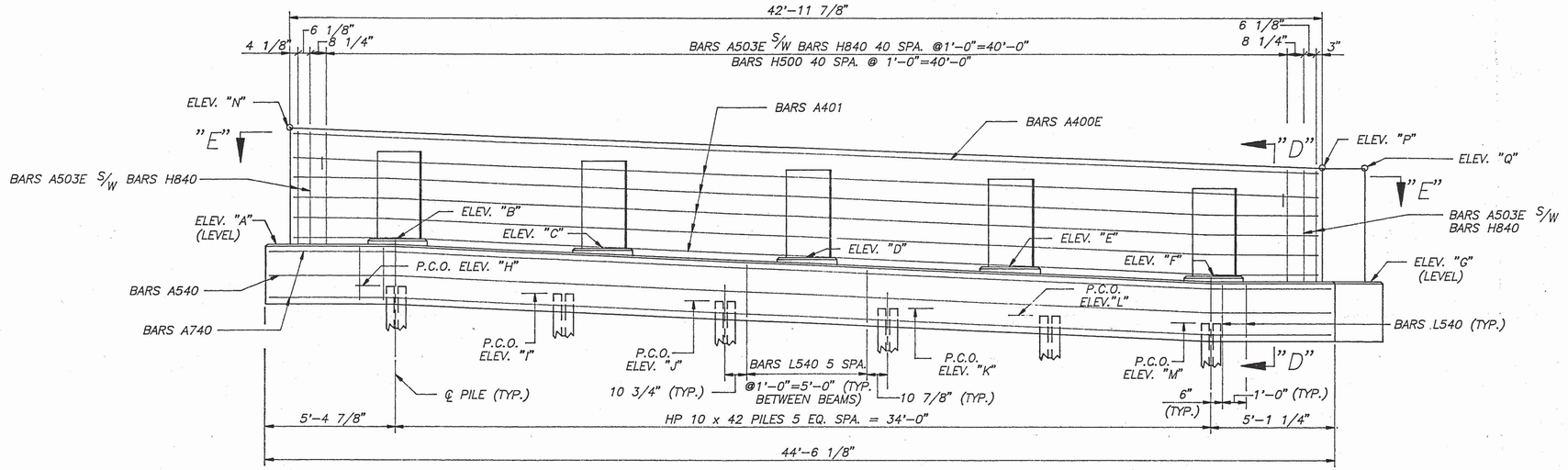
PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



PLAN



ELEVATION

(LOOKING BACK ON SURVEY @ ABUT. NO. 1)
(LOOKING FORWARD ON SURVEY @ ABUT. NO. 2)

TABLE OF ELEVATIONS																	
ITEM	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"	"O"	"P"	"Q"
ABUT. NO. 1	1262.21	1262.39	1262.28	1262.18	1262.06	1261.93	1261.73	1260.46	1260.36	1260.27	1260.17	1260.08	1259.98	1267.07	1267.53	1266.48	1266.75
ABUT. NO. 2	1256.07	1256.24	1255.96	1255.66	1255.34	1255.02	1254.79	1254.32	1254.06	1253.81	1253.55	1253.30	1253.04	1260.99	1260.92	1259.42	1259.15

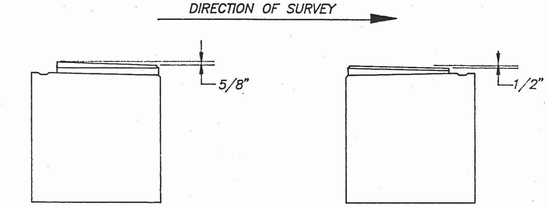
NOTE: RISER BLOCKS TO BE POURED MONOLITHICALLY WITH ABUTMENT BEAM.

NOTE: THE BACKWALL SHALL NOT BE POURED UNTIL THE GIRDERS ARE IN PLACE. THE TOP 12" OF THE BACKWALL SHALL BE POURED CONCURRENTLY WITH THE END OF SLAB.

NOTE: COST OF BRIDGE RAIL AND POST IS TO BE INCLUDED IN THE COST OF BRIDGE RAIL SYSTEM.

NOTE: WHEN POURING WINGWALLS, PROVISIONS SHALL BE MADE FOR SETTING REINFORCING STEEL FOR WINGPOST AND PARAPET. FOR DETAILS OF WINGPOST AND PARAPET SEE STANDARD DRAWING NO. STD-7-1.

P.C.O. DENOTES PILE CUT-OFF



@ ABUTMENT NO. 1 @ ABUTMENT NO. 2

RISER BLOCK SLOPE DETAIL

RISER BLOCK BEARING PAD SURFACES TO CONFORM TO BOTTOM OF BEAM GRADE.

ESTIMATED QUANTITIES		
ITEM	CLASS "A" CONCRETE C.Y.	REINFORCING STEEL LB.
ABUT. NO. 1	14	3,118
ABUT. NO. 2	14	3,118

THESE QUANTITIES ARE FOR ABUTMENT BEAM AND WINGS ONLY. ENDWALL AND WINGWALLS ARE INCLUDED IN SUPERSTRUCTURE QUANTITIES.

DESIGNED BY W. MACKIE DATE 5-91
DRAWN BY KEVIN MARTINKO DATE 9-91
SUPERVISED BY FIELDS & PATE DATE 9-91
CHECKED BY BERNATEK & MACKIE DATE 9-91

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

ABUTMENT NO. 1 AND 2
STATE ROUTE 62 OVER LITTLE CLEAR CREEK
STATION 16+29.00
MORGAN COUNTY
1991

CORRECT Edward A. Wasserman
ENGINEER OF STRUCTURES

APPROVED _____
DIRECTOR OF HIGHWAYS

M-252142

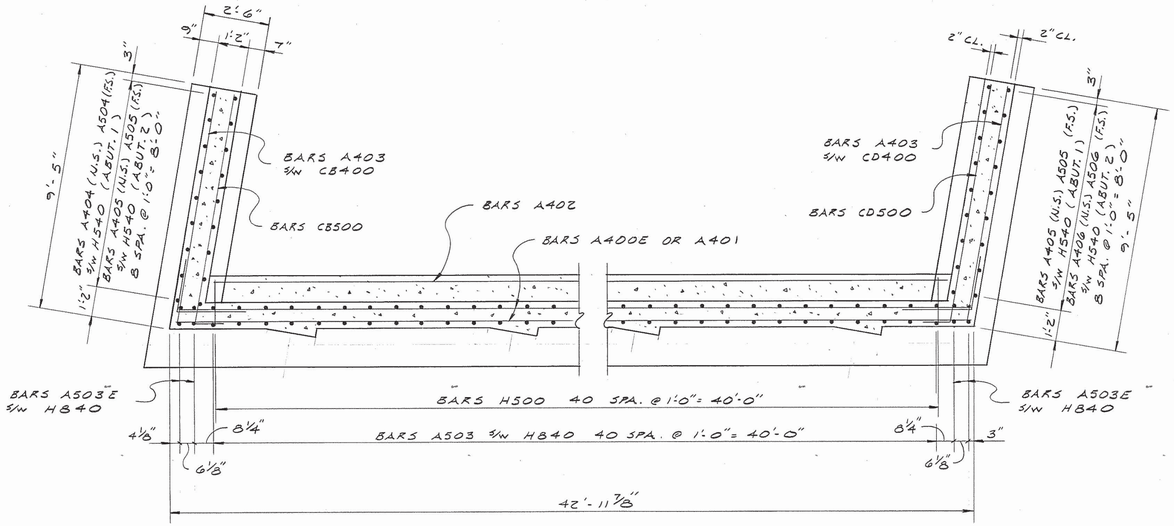
313213

CONST. NO. 65008-3225-94

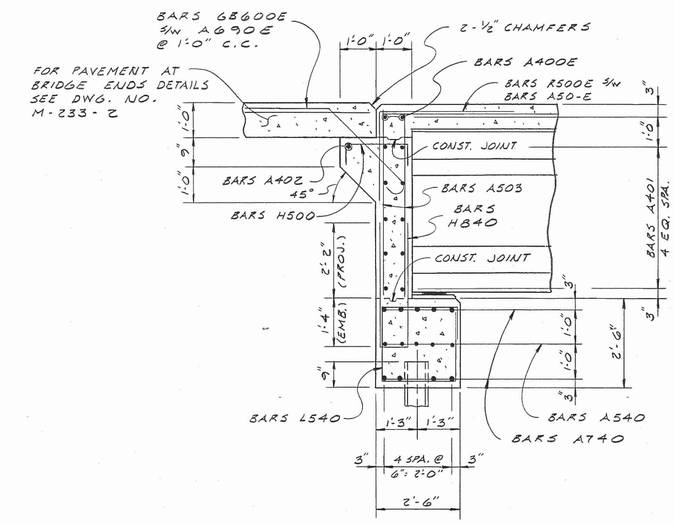
PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

REVISIONS

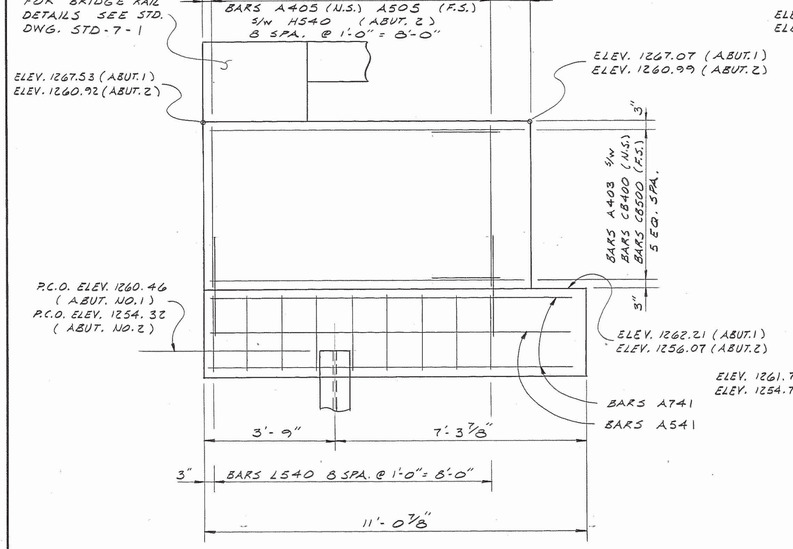
NO.	DATE	BY	BRIEF DESCRIPTION



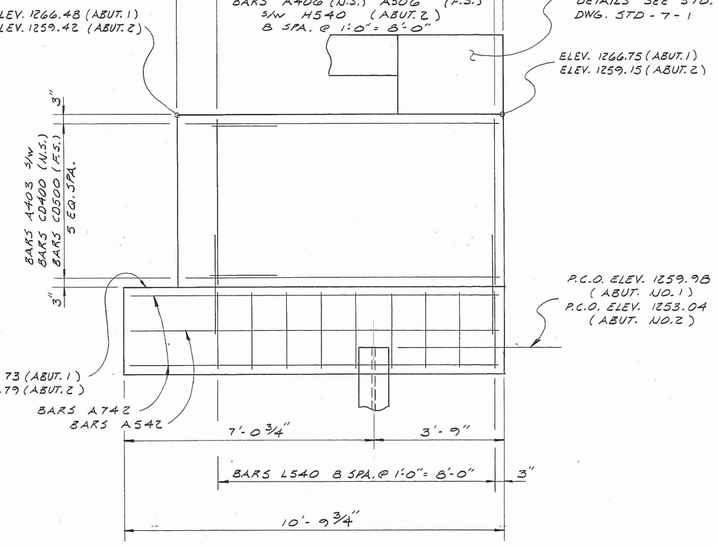
SECTION E-E



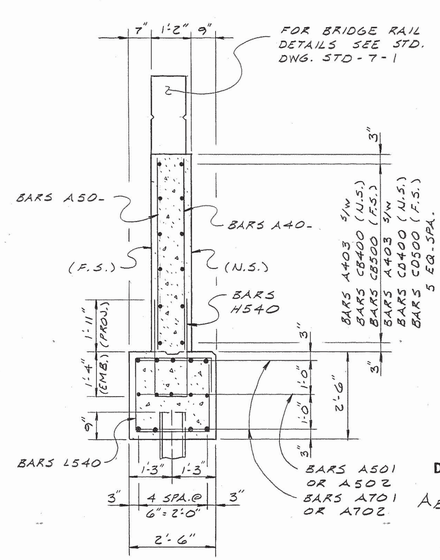
SECTION D-D



ELEVATION A-A



ELEVATION B-B



SECTION C-C

(N.S.) DENOTES: NEAR SIDE
(F.S.) DENOTES: FAR SIDE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

ABUTMENTS NO. 1 AND 2 DETAILS
STATE ROUTE 62 OVER
LITTLE CLEAR CREEK
STATION 16+29.00
MORGAN COUNTY
1991

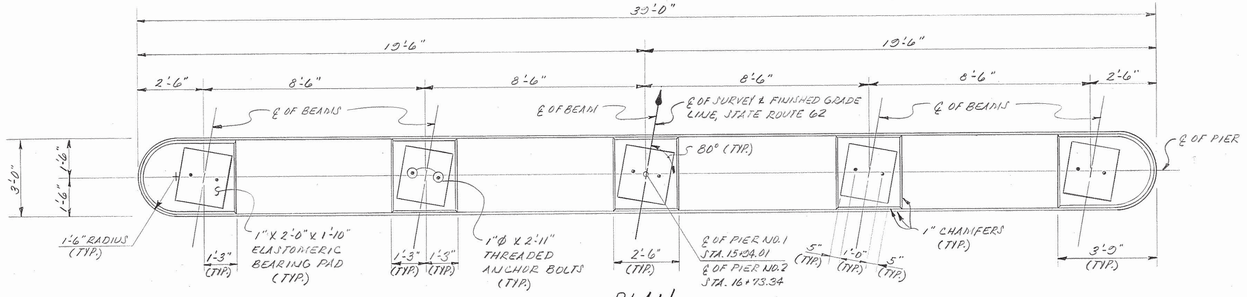
DESIGNED BY	W. MACKIE	DATE	8/91
DRAWN BY	JERRY BENSON	DATE	8/91
SUPERVISED BY	J. FIELDS & E. WOODS	DATE	8/91
CHECKED BY	W. MACKIE	DATE	9/91

CORRECT Edward P Wasserman
ENGINEER OF STRUCTURES

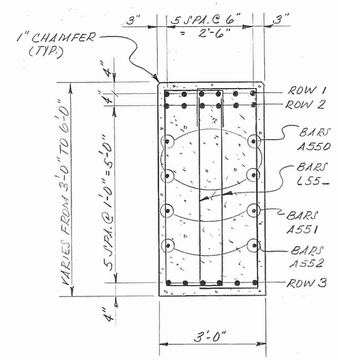
APPROVED _____
DIRECTOR OF HIGHWAYS

M-257-143

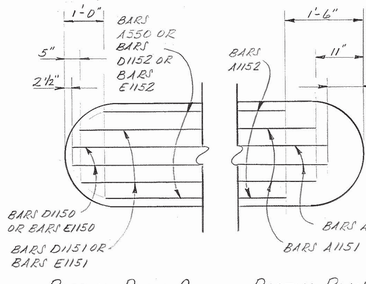
313253



PLAN



SECTION "A-A"



PARTIAL PLAN OF ROWS 1 & 3

PARTIAL PLAN OF ROW 2

CONST. NO. 65008-3225-94

PROJECT NO.	YEAR	SHEET NO.
BRF-62(12)	1991	

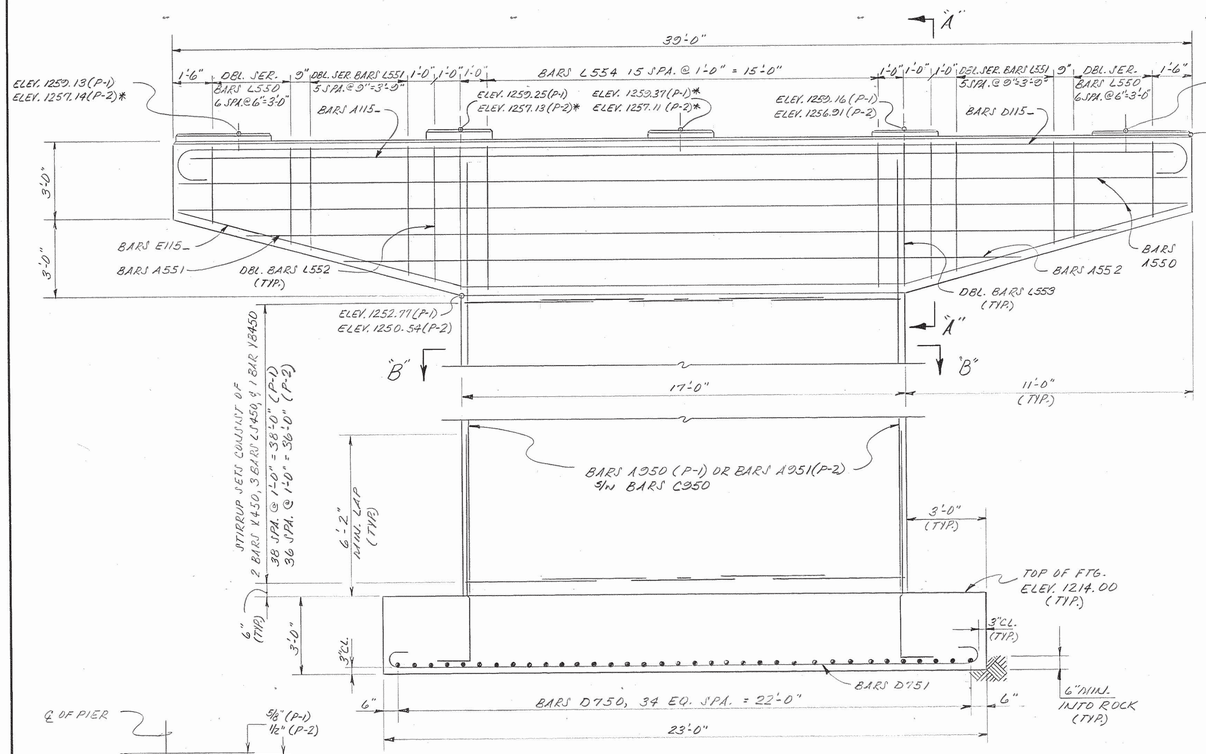
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	3-12-92	CMD	REV. REINFORCING STEEL

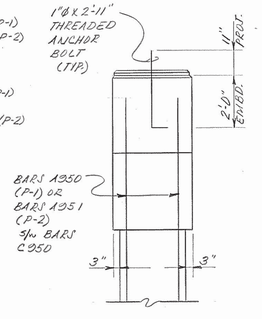
P-1 DENOTES: PIER NO. 1

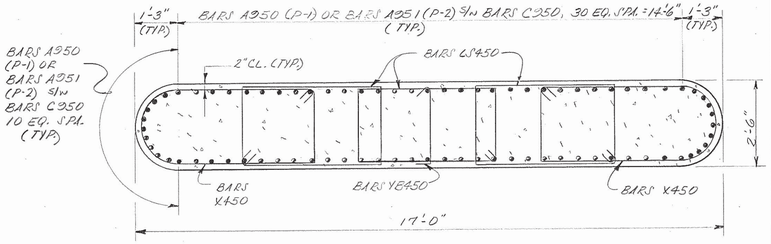
P-2 DENOTES: PIER NO. 2

* DENOTES: REINFORCED RISER BLOCK REQ'D. SEE DETAILS THIS SHEET.

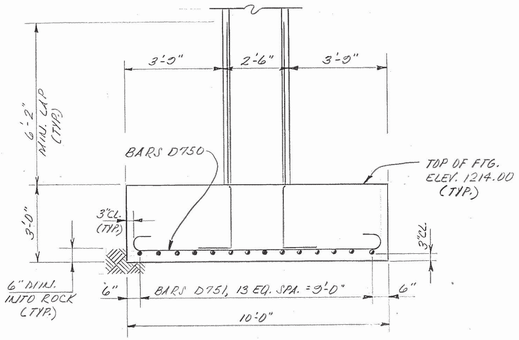


ELEVATION
(LOOKING FORWARD ON SURVEY)

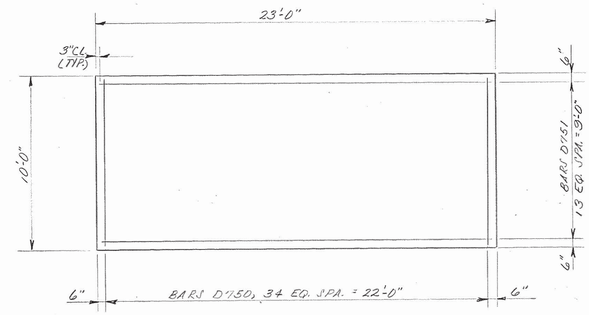




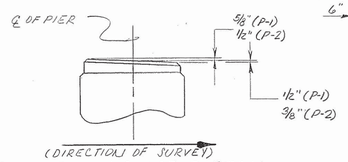
SECTION "B-B"



END ELEVATION



PLAN OF FOOTING



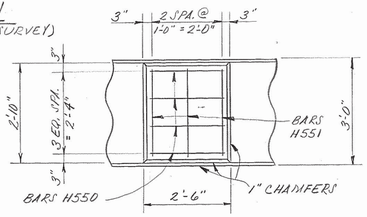
RISER BLOCK SLOPE DETAIL

RISER BLOCK BEARING PAD SURFACES TO CONFORM TO BOTTOM OF BEAM GRADE.

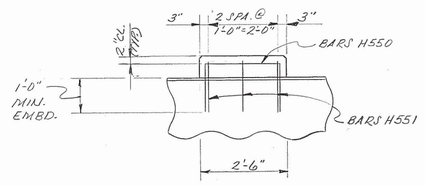
NOTE: RISER BLOCKS TO BE POURED MONOLITHICALLY WITH THE CAP BEAM.

NOTE: WHEN POURING CAP BEAM, PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS. SEE STD. DWG. NO. STD-6-1. BOLT PROJECTION 11".

NOTE: COLUMN STEEL TO EXTEND 5'-1" INTO CAP BEAM.



PLAN



ELEVATION

REINFORCED RISER BLOCK DETAILS

ESTIMATED QUANTITIES

ITEM	CLASS "A" CONCRETE (BRIDGES) C.Y.	REINFORCING STEEL ⚠1 LB.
PIER NO. 1	107	23,254
PIER NO. 2	104	22,641

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

PIERS NO. 1 AND 2
STATE ROUTE 62 OVER
LITTLE CLEAR CREEK
STATION 16+29.00
MORGAN COUNTY
1991

DESIGNED BY	W. MACKIE	DATE	7-91
DRAWN BY	C. BERNATEK	DATE	8-91
SUPERVISED BY	FIELDS & PATE	DATE	8-91
CHECKED BY	J.B. & W. MACKIE	DATE	9-91

CORRECT Edward B Wasserman
ENGINEER OF STRUCTURES

APPROVED _____
DIRECTOR OF HIGHWAYS

M-257-144

315213