DESIGN DESIGNATION

MO-7 TO ADAMS DAIRY PKWY.

A.A.D.T. - 2025 = 79,800
A.A.D.T. - 2050 = 95,000
D.H.V. = 5,950
T = 23%
V = 65 MPH
D = 53%

FUNCTIONAL CLASSIFICATION - INTERSTATE

ADAMS DAIRY PKWY. TO BUCKNER-TARSNEY

A.A.D.T. - 2025 = 66,900
A.A.D.T. - 2050 = 79,700
D.H.V. = 5,000
T = 23%
V = 70 MPH
D = 51%

FUNCTIONAL CLASSIFICATION - INTERSTATE

NEW RIGHT OF WAY REQUIRED

CONVENTIONAL SYMBOLS

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	D	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

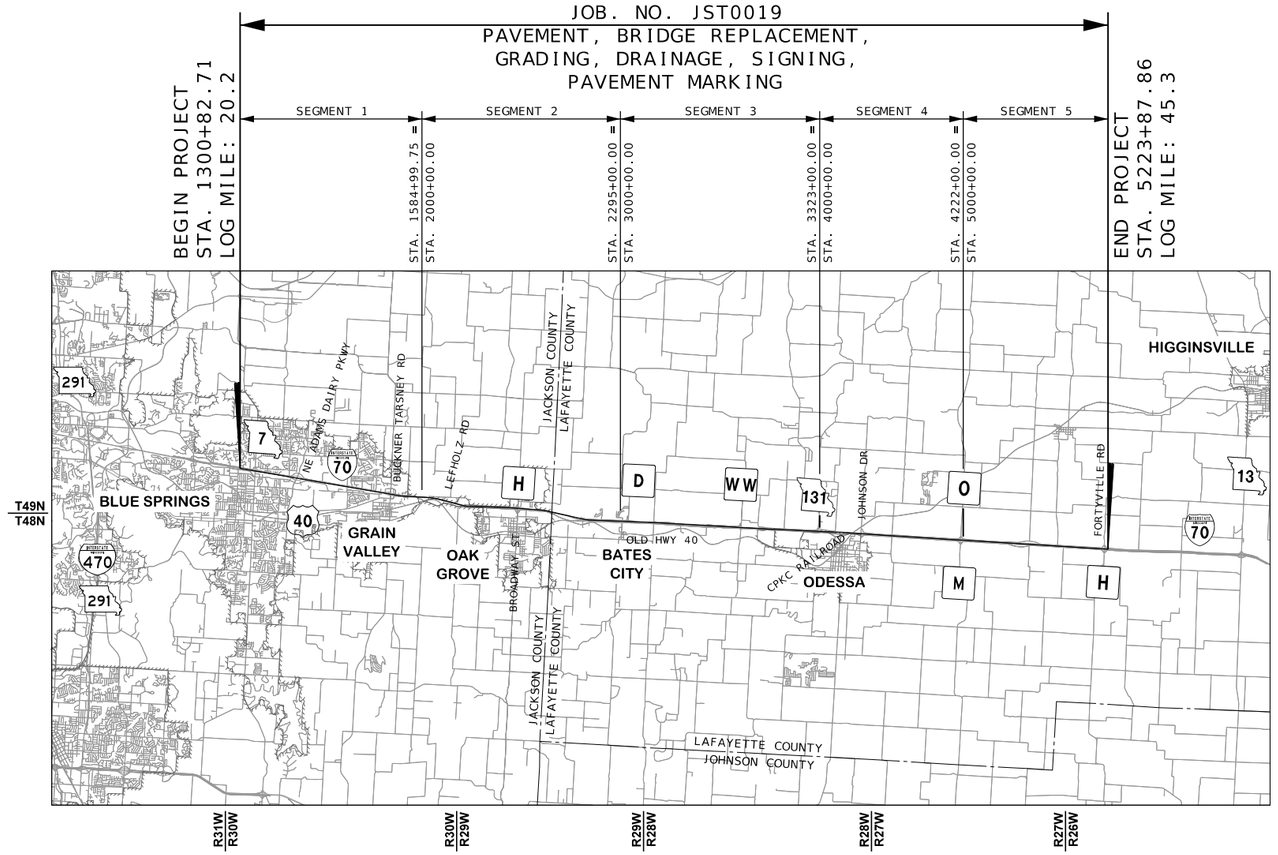
PLANS FOR PROPOSED STATE HIGHWAY

JACKSON/LAFAYETTE COUNTIES

EARLY BRIDGE PACKAGE RFC PLANS

KEY MAP
LOCATION OF JACKSON/LAFAYETTE COUNTIES

NOT TO SCALE



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER

SEE 0-IN01 FOR INDEX OF SHEETS

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA.	1300+82.71
END OF PROJECT	STA.	5223+87.86
APPARENT LENGTH		134,805.85 FEET

EQUATIONS AND EXCEPTIONS:

EQUATIONS:
1584+99.75 BK. = 2000+00.00 AHD.
2295+00.00 BK. = 3000+00.00 AHD.
3323+00.00 BK. = 4000+00.00 AHD.
4222+00.00 BK. = 5000+00.00 AHD.

EXCEPTIONS:
1323+38.44 - 1324+91.60 = -153.16 FEET
1388+08.13 - 1390+69.13 = -261.00 FEET
1531+68.32 - 1540+98.32 = -930.00 FEET

TOTAL CORRECTIONS	-1,344.16	FEET
NET LENGTH OF PROJECT	133,461.69	FEET
STATE LENGTH	25.277	MILES

STATE OF MISSOURI
GARRETT D. HUMMEL
NUMBER PE-2018005008
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/13/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
KC	0-TI01

COUNTY: JACK/LAFA
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.:

NO.	APPD. BY	DATE	REVISIONS
I	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	GDH	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

WILSON & COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
XX	RFC	3	9/12/2025	0-TI01	TITLE SHEET
INDEX OF SHEETS					
XX	RFC	3	9/12/2025	0-IN01	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN02	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN03	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN04	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN05	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN06	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN07	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN08	INDEX OF SHEETS
XX	RFC	3	9/12/2025	0-IN09	INDEX OF SHEETS
ROADWAY TYPICAL SECTIONS					
	RFC	1	8/29/2025	1-TS01	SEG1A - I-70 TYPICAL SECTIONS
	RFC	1	8/29/2025	1-TS02	SEG1A - I-70 TYPICAL SECTIONS
	RFC	1	8/29/2025	1-TS03	SEG1A - I-70 TYPICAL SECTIONS
		B	7/31/2025	1-TS04	SEG1B - I-70 TYPICAL SECTIONS
		B	9/5/2025	5-TS01	SEG5 - I-70 TYPICAL SECTIONS
		A	9/5/2025	5-TS02	SEG5 - I-70 TYPICAL SECTIONS
		B	9/5/2025	5-TS03	SEG5 - RAMP TYPICAL SECTIONS
ROADWAY PLAN AND PROFILE SHEETS					
	RFC	1	8/29/2025	1-PL01	SEG1A - I-70 PLAN STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-PR01	SEG1A - I-70 PROFILE STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-PL02	SEG1A - I-70 PLAN STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-PR02	SEG1A - I-70 PROFILE STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-PL03	SEG1A - I-70 PLAN STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-PR03	SEG1A - I-70 PROFILE STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-PL04	SEG1A - I-70 PLAN STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-PR04	SEG1A - I-70 PROFILE STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-PL05	SEG1A - I-70 PLAN STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-PR05	SEG1A - I-70 PROFILE STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-PL06	SEG1A - I-70 PLAN STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-PR06	SEG1A - I-70 PROFILE STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-PL07	SEG1A - I-70 PLAN STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-PR07	SEG1A - I-70 PROFILE STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-PL08	SEG1A - I-70 PLAN STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-PR08	SEG1A - I-70 PROFILE STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-PL09	SEG1A - I-70 PLAN STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-PR09	SEG1A - I-70 PROFILE STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-PL10	SEG1A - I-70 PLAN STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-PR10	SEG1A - I-70 PROFILE STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-PL11	SEG1A - I-70 PLAN STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-PR11	SEG1A - I-70 PROFILE STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-PL12	SEG1A - I-70 PLAN STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-PR12	SEG1A - I-70 PROFILE STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-PL13	SEG1A - I-70 PLAN STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-PR13	SEG1A - I-70 PROFILE STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-PL14	SEG1A - I-70 PLAN STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-PR14	SEG1A - I-70 PROFILE STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-PL15	SEG1A - I-70 PLAN STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-PR15	SEG1A - I-70 PROFILE STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-PL16	SEG1A - I-70 PLAN STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-PR16	SEG1A - I-70 PROFILE STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-PL17	SEG1A - I-70 PLAN STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-PR17	SEG1A - I-70 PROFILE STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-PL18	SEG1A - I-70 PLAN STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-PR18	SEG1A - I-70 PROFILE STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-PL19	SEG1A - I-70 PLAN STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-PR19	SEG1A - I-70 PROFILE STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-PL20	SEG1A - I-70 PLAN STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-PR20	SEG1A - I-70 PROFILE STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-PL21	SEG1A - I-70 PLAN STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-PR21	SEG1A - I-70 PROFILE STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-PL22	SEG1A - I-70 PLAN STA. 1578+50 TO STA. 2007+00
	RFC	1	8/29/2025	1-PR22	SEG1A - I-70 PROFILE STA. 1578+50 TO STA. 2007+00
		A	6/19/2025	1-PP01	SEG1B - EB ON RAMP HWY 7 PLAN & PROFILE
		A	6/19/2025	1-PP02	SEG1B - WB OFF RAMP HWY 7 PLAN & PROFILE
		A	6/19/2025	1-PP03	SEG1B - WB ON RAMP ADAMS DAIRY PKWY PLAN & PROFILE
		A	6/19/2025	1-PP04	SEG1B - EB OFF RAMP ADAMS DAIRY PKWY PLAN & PROFILE
		A	6/19/2025	1-PP05	SEG1B - EB ON RAMP ADAMS DAIRY PKWY PLAN & PROFILE
		A	6/19/2025	1-PP06	SEG1B - WB OFF RAMP ADAMS DAIRY PKWY PLAN & PROFILE
		A	6/19/2025	1-PP07	SEG1B - WB ON RAMP BUCKNER TARSNEY RD PLAN & PROFILE

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	6/19/2025	1-PP08	SEG1B - EB OFF RAMP BUCKNER TARSNEY RD PLAN & PROFILE
		A	6/19/2025	1-PP09	SEG1B - EB ON RAMP BUCKNER TARSNEY RD PLAN & PROFILE
		A	6/19/2025	1-PP10	SEG1B - WB OFF RAMP BUCKNER TARSNEY RD PLAN & PROFILE
		B	9/5/2025	5-PL01	SEG5 - I-70 PLAN STA. 4219+00 TO STA. 5010+50
		B	9/5/2025	5-PR01	SEG5 - I-70 PROFILE STA. 4219+00 TO STA. 5010+50
		B	9/5/2025	5-PL02	SEG5 - I-70 PLAN STA. 5010+50 TO STA. 5024+00
		B	9/5/2025	5-PR02	SEG5 - I-70 PROFILE STA. 5010+50 TO STA. 5024+00
		B	9/5/2025	5-PL03	SEG5 - I-70 PLAN STA. 5024+00 TO STA. 5037+50
		B	9/5/2025	5-PR03	SEG5 - I-70 PROFILE STA. 5024+00 TO STA. 5037+50
		B	9/5/2025	5-PL04	SEG5 - I-70 PLAN STA. 5037+50 TO STA. 5051+00
		B	9/5/2025	5-PR04	SEG5 - I-70 PROFILE STA. 5037+50 TO STA. 5051+00
		B	9/5/2025	5-PL05	SEG5 - I-70 PLAN STA. 5051+00 TO STA. 5064+50
		B	9/5/2025	5-PR05	SEG5 - I-70 PROFILE STA. 5051+00 TO STA. 5064+50
		B	9/5/2025	5-PL06	SEG5 - I-70 PLAN STA. 5064+50 TO STA. 5078+00
		B	9/5/2025	5-PR06	SEG5 - I-70 PROFILE STA. 5064+50 TO STA. 5078+00
		B	9/5/2025	5-PL07	SEG5 - I-70 PLAN STA. 5078+00 TO STA. 5091+50
		B	9/5/2025	5-PR07	SEG5 - I-70 PROFILE STA. 5078+00 TO STA. 5091+50
		B	9/5/2025	5-PL08	SEG5 - I-70 PLAN STA. 5091+50 TO STA. 5105+00
		B	9/5/2025	5-PR08	SEG5 - I-70 PROFILE STA. 5091+50 TO STA. 5105+00
		B	9/5/2025	5-PL09	SEG5 - I-70 PLAN STA. 5105+00 TO STA. 5118+50
		B	9/5/2025	5-PR09	SEG5 - I-70 PROFILE STA. 5105+00 TO STA. 5118+50
		B	9/5/2025	5-PL10	SEG5 - I-70 PLAN STA. 5118+50 TO STA. 5132+00
		B	9/5/2025	5-PR10	SEG5 - I-70 PROFILE STA. 5118+50 TO STA. 5132+00
		B	9/5/2025	5-PL11	SEG5 - I-70 PLAN STA. 5132+00 TO STA. 5145+50
		B	9/5/2025	5-PR11	SEG5 - I-70 PROFILE STA. 5132+00 TO STA. 5145+50
		B	9/5/2025	5-PL12	SEG5 - I-70 PLAN STA. 5145+50 TO STA. 5159+00
		B	9/5/2025	5-PR12	SEG5 - I-70 PROFILE STA. 5145+50 TO STA. 5159+00
		B	9/5/2025	5-PL13	SEG5 - I-70 PLAN STA. 5159+00 TO STA. 5172+50
		B	9/5/2025	5-PR13	SEG5 - I-70 PROFILE STA. 5159+00 TO STA. 5172+50
		B	9/5/2025	5-PL14	SEG5 - I-70 PLAN STA. 5172+50 TO STA. 5186+00
		B	9/5/2025	5-PR14	SEG5 - I-70 PROFILE STA. 5172+50 TO STA. 5186+00
		B	9/5/2025	5-PL15	SEG5 - I-70 PLAN STA. 5186+00 TO STA. 5199+50
		B	9/5/2025	5-PR15	SEG5 - I-70 PROFILE STA. 5186+00 TO STA. 5199+50
		B	9/5/2025	5-PL16	SEG5 - I-70 PLAN STA. 5199+50 TO STA. 5213+00
		B	9/5/2025	5-PR16	SEG5 - I-70 PROFILE STA. 5199+50 TO STA. 5213+00
		B	9/5/2025	5-PL17	SEG5 - I-70 PLAN STA. 5213+00 TO STA. 5226+50
		B	9/5/2025	5-PR17	SEG5 - I-70 PROFILE STA. 5213+00 TO STA. 5226+50
		B	9/5/2025	5-PP01	SEG5 - RTE M/O EB ON RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP02	SEG5 - RTE M/O WB OFF RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP03	SEG5 - WEIGH STATION EB OFF RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP04	SEG5 - WEIGH STATION WB ON RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP05	SEG5 - WEIGH STATION EB ON RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP06	SEG5 - WEIGH STATION WB OFF RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP07	SEG5 - RTE H WB ON RAMP PLAN AND PROFILE
		B	9/5/2025	5-PP08	SEG5 - RTE H EB OFF RAMP PLAN AND PROFILE
REFERENCE & COORDINATE POINT SHEETS					
	RFC	1	8/29/2025	0-CP01	COORDINATE POINTS
	RFC	1	8/29/2025	0-CP02	COORDINATE POINTS
	RFC	1	8/29/2025	0-CP03	COORDINATE POINTS
	RFC	1	8/29/2025	0-RP01	REFERENCE POINTS
	RFC	1	8/29/2025	0-RP02	REFERENCE POINTS
HORIZONTAL CONTROL SHEETS					
	RFC	1	8/29/2025	0-HC01	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC02	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC03	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC04	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC05	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC06	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC07	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC08	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC09	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC10	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC11	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC12	HORIZONTAL CONTROL I-70 ALIGNMENT

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 1 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	0-IN01

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
I	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON & COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
	RFC	1	8/29/2025	0-HC13	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC14	HORIZONTAL CONTROL I-70 ALIGNMENT
	RFC	1	8/29/2025	0-HC15	HORIZONTAL CONTROL I-70 ALIGNMENT
		A	6/19/2025	0-HC16	HORIZONTAL CONTROL HWY 7 RAMP ALIGNMENTS
		A	6/19/2025	0-HC17	HORIZONTAL CONTROL ADAMS DAIRY RAMP ALIGNMENTS
		A	6/19/2025	0-HC18	HORIZONTAL CONTROL ADAMS DAIRY RAMP ALIGNMENTS (CONT.)
		A	6/19/2025	0-HC19	HORIZONTAL CONTROL BUCKNER TARSNEY RAMP ALIGNMENTS
		A	9/5/2025	0-HC20	HORIZONTAL CONTROL RTE M/O E RAMP ALIGNMENTS
		A	9/5/2025	0-HC21	HORIZONTAL CONTROL WEIGH STATION W RAMP ALIGNMENTS
		A	9/5/2025	0-HC22	HORIZONTAL CONTROL WEIGHT STATION W RAMP ALIGNMENTS (CONT.)
		A	9/5/2025	0-HC23	HORIZONTAL CONTROL RTE H FORTYVILLE W RAMP ALIGNMENTS
SUPERELEVATION SHEETS					
	RFC	1	8/29/2025	1-SE01	SEG1A - I-70 SUPERELEVATION STA. 1325+50 TO STA. 1339+00
	RFC	1	8/29/2025	1-SE02	SEG1A - I-70 SUPERELEVATION STA. 1382+50 TO STA. 1396+00
		A	7/31/2025	1-SE03	SEG1A - I-70 SUPERELEVATION
		A	7/31/2025	1-SE04	SEG1A - I-70 SUPERELEVATION
				1-SE05	SEG1A - I-70 SUPERELEVATION
				1-SE06	SEG1A - I-70 SUPERELEVATION
				1-SE07	SEG1A - I-70 SUPERELEVATION
				1-SE08	SEG1A - I-70 SUPERELEVATION
				1-SE09	SEG1A - I-70 SUPERELEVATION
				1-SE10	SEG1A - I-70 SUPERELEVATION
				1-SE11	SEG1A - I-70 SUPERELEVATION
				1-SE12	SEG1A - I-70 SUPERELEVATION
		A	9/5/2025	5-SE01	SEG5 - I-70 SUPERELEVATION STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-SE02	SEG5 - I-70 SUPERELEVATION STA. 5210+50 TO STA. 5024+00
		A	9/5/2025	5-SE03	SEG5 - I-70 SUPERELEVATION STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-SE04	SEG5 - I-70 SUPERELEVATION STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-SE05	SEG5 - I-70 SUPERELEVATION STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-SE06	SEG5 - I-70 SUPERELEVATION STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-SE07	SEG5 - I-70 SUPERELEVATION STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-SE08	SEG5 - I-70 SUPERELEVATION STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-SE09	SEG5 - I-70 SUPERELEVATION STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-SE10	SEG5 - I-70 SUPERELEVATION STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-SE11	SEG5 - I-70 SUPERELEVATION STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-SE12	SEG5 - I-70 SUPERELEVATION STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-SE13	SEG5 - I-70 SUPERELEVATION STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-SE14	SEG5 - I-70 SUPERELEVATION STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-SE15	SEG5 - I-70 SUPERELEVATION STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-SE16	SEG5 - I-70 SUPERELEVATION STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-SE17	SEG5 - I-70 SUPERELEVATION STA. 52+13.00 TO STA. 5226+50
SPECIAL SHEETS					
	RFC	1	8/29/2025	0-SS01	I-70 REINFORCEMENT DETAIL
	RFC	1	8/29/2025	1-SS01	SEG1A - SPECIAL DETAIL SHEET - LANE WIDTH TABLES
	RFC	1	8/29/2025	1-SS02	SEG1A - SPECIAL DETAIL SHEET - MILL & OVERLAY DETAIL
				1-SS03	SEG1A - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS04	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS05	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS06	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS07	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS08	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS09	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS10	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS11	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS12	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS06	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS07	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS08	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS09	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS10	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS11	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
				1-SS12	SEG1B - SPECIAL DETAIL SHEET - I-70 GORE DETAIL
		A	9/5/2025	5-SS01	SEG5 - SPECIAL DETAIL SHEET - RTE M / O EB ON RAMP GORE DETAIL
		A	9/5/2025	5-SS02	SEG5 - SPECIAL DETAIL SHEET - RTE M / O WB OFF RAMP GORE DETAIL
		A	9/5/2025	5-SS03	SEG5 - SPECIAL DETAIL SHEET - WEIGH ST EB OFF RAMP GORE DETAIL
		A	9/5/2025	5-SS04	SEG5 - SPECIAL DETAIL SHEET - WEIGH ST WB ON RAMP GORE DETAIL
		A	9/5/2025	5-SS05	SEG5 - SPECIAL DETAIL SHEET - WEIGH ST EB ON RAMP GORE DETAIL
		A	9/5/2025	5-SS06	SEG5 - SPECIAL DETAIL SHEET - WEIGH ST WB OFF RAMP GORE DETAIL
		A	9/5/2025	5-SS07	SEG5 - SPECIAL DETAIL SHEET - RTE H WB ON RAMP GORE DETAIL
		A	9/5/2025	5-SS08	SEG5 - SPECIAL DETAIL SHEET - RTE H EB OFF RAMP GORE DETAIL

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
PAVING PLAN SHEETS					
	RFC	1	8/29/2025	1-PV01	SEG1A - I-70 PAVING PLAN STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-PV02	SEG1A - I-70 PAVING PLAN STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-PV03	SEG1A - I-70 PAVING PLAN STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-PV04	SEG1A - I-70 PAVING PLAN STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-PV05	SEG1A - I-70 PAVING PLAN STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-PV06	SEG1A - I-70 PAVING PLAN STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-PV07	SEG1A - I-70 PAVING PLAN STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-PV08	SEG1A - I-70 PAVING PLAN STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-PV09	SEG1A - I-70 PAVING PLAN STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-PV10	SEG1A - I-70 PAVING PLAN STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-PV11	SEG1A - I-70 PAVING PLAN STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-PV12	SEG1A - I-70 PAVING PLAN STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-PV13	SEG1A - I-70 PAVING PLAN STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-PV14	SEG1A - I-70 PAVING PLAN STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-PV15	SEG1A - I-70 PAVING PLAN STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-PV16	SEG1A - I-70 PAVING PLAN STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-PV17	SEG1A - I-70 PAVING PLAN STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-PV18	SEG1A - I-70 PAVING PLAN STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-PV19	SEG1A - I-70 PAVING PLAN STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-PV20	SEG1A - I-70 PAVING PLAN STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-PV21	SEG1A - I-70 PAVING PLAN STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-PV22	SEG1A - I-70 PAVING PLAN STA. 1578+50 TO STA. 2007+00
		A	9/5/2025	5-PV01	SEG5 - I-70 PAVING PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-PV02	SEG5 - I-70 PAVING PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-PV03	SEG5 - I-70 PAVING PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-PV04	SEG5 - I-70 PAVING PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-PV05	SEG5 - I-70 PAVING PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-PV06	SEG5 - I-70 PAVING PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-PV07	SEG5 - I-70 PAVING PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-PV08	SEG5 - I-70 PAVING PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-PV09	SEG5 - I-70 PAVING PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-PV10	SEG5 - I-70 PAVING PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-PV11	SEG5 - I-70 PAVING PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-PV12	SEG5 - I-70 PAVING PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-PV13	SEG5 - I-70 PAVING PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-PV14	SEG5 - I-70 PAVING PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-PV15	SEG5 - I-70 PAVING PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-PV16	SEG5 - I-70 PAVING PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-PV17	SEG5 - I-70 PAVING PLAN STA. 5213+00 TO STA. 5226+50
DRAINAGE PLAN SHEETS					
	RFC	1	8/29/2025	1-DR01	SEG1A - I-70 DRAINAGE PLAN STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-DR02	SEG1A - I-70 DRAINAGE PLAN STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-DR03	SEG1A - I-70 DRAINAGE PLAN STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-DR04	SEG1A - I-70 DRAINAGE PLAN STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-DR05	SEG1A - I-70 DRAINAGE PLAN STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-DR06	SEG1A - I-70 DRAINAGE PLAN STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-DR07	SEG1A - I-70 DRAINAGE PLAN STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-DR08	SEG1A - I-70 DRAINAGE PLAN STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-DR09	SEG1A - I-70 DRAINAGE PLAN STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-DR10	SEG1A - I-70 DRAINAGE PLAN STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-DR11	SEG1A - I-70 DRAINAGE PLAN STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-DR12	SEG1A - I-70 DRAINAGE PLAN STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-DR13	SEG1A - I-70 DRAINAGE PLAN STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-DR14	SEG1A - I-70 DRAINAGE PLAN STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-DR15	SEG1A - I-70 DRAINAGE PLAN STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-DR16	SEG1A - I-70 DRAINAGE PLAN STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-DR17	SEG1A - I-70 DRAINAGE PLAN STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-DR18	SEG1A - I-70 DRAINAGE PLAN STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-DR19	SEG1A - I-70 DRAINAGE PLAN STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-DR20	SEG1A - I-70 DRAINAGE PLAN STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-DR21	SEG1A - I-70 DRAINAGE PLAN STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-DR22	SEG1A - I-70 DRAINAGE PLAN STA. 1578+50 TO STA. 2007+00
	RFC	1	8/29/2025	1-DR23	SEG1A - I-70 TEMP DRAINAGE TYPICAL SECTIONS

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 2 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	0-IN02

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON &COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
	RFC	1	8/29/2025	1-DR24	SEG1A - I-70 TEMP DRAINAGE SUMMARY TABLE
		A	9/5/2025	5-DR01	SEG5 - I-70 DRAINAGE PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-DR02	SEG5 - I-70 DRAINAGE PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-DR03	SEG5 - I-70 DRAINAGE PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-DR04	SEG5 - I-70 DRAINAGE PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-DR05	SEG5 - I-70 DRAINAGE PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-DR06	SEG5 - I-70 DRAINAGE PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-DR07	SEG5 - I-70 DRAINAGE PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-DR08	SEG5 - I-70 DRAINAGE PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-DR09	SEG5 - I-70 DRAINAGE PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-DR10	SEG5 - I-70 DRAINAGE PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-DR11	SEG5 - I-70 DRAINAGE PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-DR12	SEG5 - I-70 DRAINAGE PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-DR13	SEG5 - I-70 DRAINAGE PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-DR14	SEG5 - I-70 DRAINAGE PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-DR15	SEG5 - I-70 DRAINAGE PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-DR16	SEG5 - I-70 DRAINAGE PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-DR17	SEG5 - I-70 DRAINAGE PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-DR18	SEG5 - I-70 DETENTION DRAINAGE DETAILS
		A	9/5/2025	5-DR19	SEG5 - I-70 TEMP DRAINAGE TYPICAL SECTIONS
		A	9/5/2025	5-DR20	SEG5 - I-70 TEMP DRAINAGE SUMMARY TABLE
DRAINAGE PROFILE SHEETS					
	RFC	1	8/29/2025	1-DP01	SEG1A - I-70 DRAINAGE PROFILES
	RFC	1	8/29/2025	1-DP02	SEG1A - I-70 DRAINAGE PROFILES
		A	9/5/2025	5-DP01	SEG5 - I-70 DRAINAGE PROFILES
MAINTENANCE OF TRAFFIC SHEETS					
	RFC	1	8/29/2025	1-MT01	MOT SEG1 - PHASE 1 TYPICALS
	RFC	1	8/29/2025	1-MT02	MOT SEG1 - PHASE 1 TYPICALS
	RFC	1	8/29/2025	1-MT03	MOT SEG1 - PHASE 1 PLAN STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-MT04	MOT SEG1 - PHASE 1 PLAN STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-MT05	MOT SEG1 - PHASE 1 PLAN STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-MT06	MOT SEG1 - PHASE 1 PLAN STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-MT07	MOT SEG1 - PHASE 1 PLAN STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-MT08	MOT SEG1 - PHASE 1 PLAN STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-MT09	MOT SEG1 - PHASE 1 PLAN STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-MT10	MOT SEG1 - PHASE 1 PLAN STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-MT11	MOT SEG1 - PHASE 1 PLAN STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-MT12	MOT SEG1 - PHASE 1 PLAN STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-MT13	MOT SEG1 - PHASE 1 PLAN STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-MT14	MOT SEG1 - PHASE 1 PLAN STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-MT15	MOT SEG1 - PHASE 1 PLAN STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-MT16	MOT SEG1 - PHASE 1 PLAN STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-MT17	MOT SEG1 - PHASE 1 PLAN STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-MT18	MOT SEG1 - PHASE 1 PLAN STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-MT19	MOT SEG1 - PHASE 1 PLAN STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-MT20	MOT SEG1 - PHASE 1 PLAN STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-MT21	MOT SEG1 - PHASE 1 PLAN STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-MT22	MOT SEG1 - PHASE 1 PLAN STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-MT23	MOT SEG1 - PHASE 1 PLAN STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-MT24	MOT SEG1 - PHASE 1 PLAN STA. 1578+50 TO STA. 2007+00
	RFC	1	8/29/2025	1-MT25	MOT SEG1 - PHASE 1 PLAN STA. 2007+00 TO STA. 2020+50
XX	RFC	1	9/12/2025	2-MT01	MOT SEG2 - PHASE 1 TYPICALS
XX	RFC	1	9/12/2025	2-MT02	MOT SEG2 - PHASE 1 PLAN STA. 2190+00 TO STA. 2203+50
XX	RFC	1	9/12/2025	2-MT03	MOT SEG2 - PHASE 1 PLAN STA. 2203+50 TO STA. 2217+00
XX	RFC	1	9/12/2025	2-MT04	MOT SEG2 - PHASE 1 PLAN STA. 2217+00 TO STA. 2230+50
XX	RFC	1	9/12/2025	2-MT05	MOT SEG2 - PHASE 1 PLAN STA. 2230+50 TO STA. 2244+00
		B	9/5/2025	5-MT01	MOT SEG5 - PHASE 1 TYPICALS
		A	9/5/2025	5-MT02	MOT SEG5 - PHASE 1 PLAN STA. 4192+00 TO STA. 4205+50
		A	9/5/2025	5-MT03	MOT SEG5 - PHASE 1 PLAN STA. 4205+50 TO STA. 4219+00
		A	9/5/2025	5-MT04	MOT SEG5 - PHASE 1 PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-MT05	MOT SEG5 - PHASE 1 PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-MT06	MOT SEG5 - PHASE 1 PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-MT07	MOT SEG5 - PHASE 1 PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-MT08	MOT SEG5 - PHASE 1 PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-MT09	MOT SEG5 - PHASE 1 PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-MT10	MOT SEG5 - PHASE 1 PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-MT11	MOT SEG5 - PHASE 1 PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-MT12	MOT SEG5 - PHASE 1 PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-MT13	MOT SEG5 - PHASE 1 PLAN STA. 5118+50 TO STA. 5132+00

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	9/5/2025	5-MT14	MOT SEG5 - PHASE 1 PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-MT15	MOT SEG5 - PHASE 1 PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-MT16	MOT SEG5 - PHASE 1 PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-MT17	MOT SEG5 - PHASE 1 PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-MT18	MOT SEG5 - PHASE 1 PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-MT19	MOT SEG5 - PHASE 1 PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-MT20	MOT SEG5 - PHASE 1 PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-MT21	MOT SEG5 - PHASE 1 PLAN STA. 5226+50 TO STA. 5240+00
		A	9/5/2025	5-MT30	MOT SEG5 - PHASE 2 TYPICALS
		A	9/5/2025	5-MT31	MOT SEG5 - PHASE 2 PLAN STA. 4192+00 TO STA. 4205+50
		A	9/5/2025	5-MT32	MOT SEG5 - PHASE 2 PLAN STA. 4205+50 TO STA. 4219+00
		A	9/5/2025	5-MT33	MOT SEG5 - PHASE 2 PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-MT34	MOT SEG5 - PHASE 2 PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-MT35	MOT SEG5 - PHASE 2 PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-MT36	MOT SEG5 - PHASE 2 PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-MT37	MOT SEG5 - PHASE 2 PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-MT38	MOT SEG5 - PHASE 2 PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-MT39	MOT SEG5 - PHASE 2 PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-MT40	MOT SEG5 - PHASE 2 PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-MT41	MOT SEG5 - PHASE 2 PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-MT42	MOT SEG5 - PHASE 2 PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-MT43	MOT SEG5 - PHASE 2 PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-MT44	MOT SEG5 - PHASE 2 PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-MT45	MOT SEG5 - PHASE 2 PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-MT46	MOT SEG5 - PHASE 2 PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-MT47	MOT SEG5 - PHASE 2 PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-MT48	MOT SEG5 - PHASE 2 PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-MT49	MOT SEG5 - PHASE 2 PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-MT50	MOT SEG5 - PHASE 2 PLAN STA. 5226+50 TO STA. 5240+00
		A	9/5/2025	5-MT51	MOT SEG5 - PHASE 2B PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-MT52	MOT SEG5 - PHASE 2B PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-MT53	MOT SEG5 - PHASE 2B PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-MT54	MOT SEG5 - PHASE 2B PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-MT55	MOT SEG5 - PHASE 2B PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-MT56	MOT SEG5 - PHASE 3 TYPICALS
		A	9/5/2025	5-MT57	MOT SEG5 - PHASE 3 PLAN STA. 4192+00 TO STA. 4205+50
		A	9/5/2025	5-MT58	MOT SEG5 - PHASE 3 PLAN STA. 4205+50 TO STA. 4219+00
		A	9/5/2025	5-MT59	MOT SEG5 - PHASE 3 PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-MT60	MOT SEG5 - PHASE 3 PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-MT61	MOT SEG5 - PHASE 3 PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-MT62	MOT SEG5 - PHASE 3 PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-MT63	MOT SEG5 - PHASE 3 PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-MT64	MOT SEG5 - PHASE 3 PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-MT65	MOT SEG5 - PHASE 3 PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-MT66	MOT SEG5 - PHASE 3 PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-MT67	MOT SEG5 - PHASE 3 PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-MT68	MOT SEG5 - PHASE 3 PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-MT69	MOT SEG5 - PHASE 3 PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-MT70	MOT SEG5 - PHASE 3 PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-MT71	MOT SEG5 - PHASE 3 PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-MT72	MOT SEG5 - PHASE 3 PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-MT73	MOT SEG5 - PHASE 3 PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-MT74	MOT SEG5 - PHASE 3 PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-MT75	MOT SEG5 - PHASE 3 PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-MT76	MOT SEG5 - PHASE 3 PLAN STA. 5226+50 TO STA. 5240+00
		A	9/5/2025	5-MT77	MOT SEG5 - PHASE 3B PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-MT78	MOT SEG5 - PHASE 3B PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-MT79	MOT SEG5 - PHASE 3B PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-MT80	MOT SEG5 - PHASE 3B PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-MT81	MOT SEG5 - PHASE 3B PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-MT82	MOT SEG5 - PHASE 4 TYPICALS
		A	9/5/2025	5-MT83	MOT SEG5 - PHASE 4 TYPICALS
		A	9/5/2025	5-MT84	MOT SEG5 - PHASE 4 PLAN STA. 4192+00 TO STA. 4205+50
		A	9/5/2025	5-MT85	MOT SEG5 - PHASE 4 PLAN STA. 4205+50 TO STA. 4219+00
		A	9/5/2025	5-MT86	MOT SEG5 - PHASE 4 PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-MT87	MOT SEG5 - PHASE 4 PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-MT88	MOT SEG5 - PHASE 4 PLAN STA. 5024+00 TO STA. 5037+50

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 3 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
KC	0-IN03

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON &COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	9/5/2025	5-MT89	MOT SEG5 - PHASE 4 PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-MT90	MOT SEG5 - PHASE 4 PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-MT91	MOT SEG5 - PHASE 4 PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-MT92	MOT SEG5 - PHASE 4 PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-MT93	MOT SEG5 - PHASE 4 PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-MT94	MOT SEG5 - PHASE 4 PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-MT95	MOT SEG5 - PHASE 4 PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-MT96	MOT SEG5 - PHASE 4 PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-MT97	MOT SEG5 - PHASE 4 PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-MT98	MOT SEG5 - PHASE 4 PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-MT99	MOT SEG5 - PHASE 4 PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-MT100	MOT SEG5 - PHASE 4 PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-MT101	MOT SEG5 - PHASE 4 PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-MT102	MOT SEG5 - PHASE 4 PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-MT103	MOT SEG5 - PHASE 4 PLAN STA. 5226+50 TO STA. 5240+00
EROSION CONTROL SHEETS					
	RFC	1	8/29/2025	1-EC01	SEG1 - PHASE 0 EROSION PLAN STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-EC02	SEG1 - PHASE 0 EROSION PLAN STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-EC03	SEG1 - PHASE 0 EROSION PLAN STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-EC04	SEG1 - PHASE 0 EROSION PLAN STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-EC05	SEG1 - PHASE 0 EROSION PLAN STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-EC06	SEG1 - PHASE 0 EROSION PLAN STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-EC07	SEG1 - PHASE 0 EROSION PLAN STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-EC08	SEG1 - PHASE 0 EROSION PLAN STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-EC09	SEG1 - PHASE 0 EROSION PLAN STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-EC10	SEG1 - PHASE 0 EROSION PLAN STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-EC11	SEG1 - PHASE 0 EROSION PLAN STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-EC12	SEG1 - PHASE 0 EROSION PLAN STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-EC13	SEG1 - PHASE 0 EROSION PLAN STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-EC14	SEG1 - PHASE 0 EROSION PLAN STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-EC15	SEG1 - PHASE 0 EROSION PLAN STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-EC16	SEG1 - PHASE 0 EROSION PLAN STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-EC17	SEG1 - PHASE 0 EROSION PLAN STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-EC18	SEG1 - PHASE 0 EROSION PLAN STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-EC19	SEG1 - PHASE 0 EROSION PLAN STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-EC20	SEG1 - PHASE 0 EROSION PLAN STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-EC21	SEG1 - PHASE 0 EROSION PLAN STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-EC22	SEG1 - PHASE 0 EROSION PLAN STA. 1578+50 TO STA. 1592+00
	RFC	1	8/29/2025	1-EC23	SEG1 - PHASE 1 EROSION PLAN STA. 1295+00 TO STA. 1308+50
	RFC	1	8/29/2025	1-EC24	SEG1 - PHASE 1 EROSION PLAN STA. 1308+50 TO STA. 1322+00
	RFC	1	8/29/2025	1-EC25	SEG1 - PHASE 1 EROSION PLAN STA. 1322+00 TO STA. 1335+50
	RFC	1	8/29/2025	1-EC26	SEG1 - PHASE 1 EROSION PLAN STA. 1335+50 TO STA. 1349+00
	RFC	1	8/29/2025	1-EC27	SEG1 - PHASE 1 EROSION PLAN STA. 1349+00 TO STA. 1362+50
	RFC	1	8/29/2025	1-EC28	SEG1 - PHASE 1 EROSION PLAN STA. 1362+50 TO STA. 1376+00
	RFC	1	8/29/2025	1-EC29	SEG1 - PHASE 1 EROSION PLAN STA. 1376+00 TO STA. 1389+50
	RFC	1	8/29/2025	1-EC30	SEG1 - PHASE 1 EROSION PLAN STA. 1389+50 TO STA. 1403+00
	RFC	1	8/29/2025	1-EC31	SEG1 - PHASE 1 EROSION PLAN STA. 1403+00 TO STA. 1416+50
	RFC	1	8/29/2025	1-EC32	SEG1 - PHASE 1 EROSION PLAN STA. 1416+50 TO STA. 1430+00
	RFC	1	8/29/2025	1-EC33	SEG1 - PHASE 1 EROSION PLAN STA. 1430+00 TO STA. 1443+50
	RFC	1	8/29/2025	1-EC34	SEG1 - PHASE 1 EROSION PLAN STA. 1443+50 TO STA. 1457+00
	RFC	1	8/29/2025	1-EC35	SEG1 - PHASE 1 EROSION PLAN STA. 1457+00 TO STA. 1470+50
	RFC	1	8/29/2025	1-EC36	SEG1 - PHASE 1 EROSION PLAN STA. 1470+50 TO STA. 1484+00
	RFC	1	8/29/2025	1-EC37	SEG1 - PHASE 1 EROSION PLAN STA. 1484+00 TO STA. 1497+50
	RFC	1	8/29/2025	1-EC38	SEG1 - PHASE 1 EROSION PLAN STA. 1497+50 TO STA. 1511+00
	RFC	1	8/29/2025	1-EC39	SEG1 - PHASE 1 EROSION PLAN STA. 1511+00 TO STA. 1524+50
	RFC	1	8/29/2025	1-EC40	SEG1 - PHASE 1 EROSION PLAN STA. 1524+50 TO STA. 1538+00
	RFC	1	8/29/2025	1-EC41	SEG1 - PHASE 1 EROSION PLAN STA. 1538+00 TO STA. 1551+50
	RFC	1	8/29/2025	1-EC42	SEG1 - PHASE 1 EROSION PLAN STA. 1551+50 TO STA. 1565+00
	RFC	1	8/29/2025	1-EC43	SEG1 - PHASE 1 EROSION PLAN STA. 1565+00 TO STA. 1578+50
	RFC	1	8/29/2025	1-EC44	SEG1 - PHASE 1 EROSION PLAN STA. 1578+50 TO STA. 1592+00
		A	9/5/2025	5-EC01	SEG5 - PHASE 0 EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC02	SEG5 - PHASE 0 EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC03	SEG5 - PHASE 0 EROSION PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-EC04	SEG5 - PHASE 0 EROSION PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-EC05	SEG5 - PHASE 0 EROSION PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-EC06	SEG5 - PHASE 0 EROSION PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-EC07	SEG5 - PHASE 0 EROSION PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-EC08	SEG5 - PHASE 0 EROSION PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-EC09	SEG5 - PHASE 0 EROSION PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-EC10	SEG5 - PHASE 0 EROSION PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-EC11	SEG5 - PHASE 0 EROSION PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-EC12	SEG5 - PHASE 0 EROSION PLAN STA. 5145+50 TO STA. 5159+00

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	9/5/2025	5-EC13	SEG5 - PHASE 0 EROSION PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-EC14	SEG5 - PHASE 0 EROSION PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-EC15	SEG5 - PHASE 0 EROSION PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-EC16	SEG5 - PHASE 0 EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC17	SEG5 - PHASE 0 EROSION PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-EC18	SEG5 - PHASE 1 EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC19	SEG5 - PHASE 1 EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC20	SEG5 - PHASE 1 EROSION PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-EC21	SEG5 - PHASE 1 EROSION PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-EC22	SEG5 - PHASE 1 EROSION PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-EC23	SEG5 - PHASE 1 EROSION PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-EC24	SEG5 - PHASE 1 EROSION PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-EC25	SEG5 - PHASE 1 EROSION PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-EC26	SEG5 - PHASE 1 EROSION PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-EC27	SEG5 - PHASE 1 EROSION PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-EC28	SEG5 - PHASE 1 EROSION PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-EC29	SEG5 - PHASE 1 EROSION PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-EC30	SEG5 - PHASE 1 EROSION PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-EC31	SEG5 - PHASE 1 EROSION PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-EC32	SEG5 - PHASE 1 EROSION PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-EC33	SEG5 - PHASE 1 EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC34	SEG5 - PHASE 1 EROSION PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-EC35	SEG5 - PHASE 2A EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC36	SEG5 - PHASE 2A EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC37	SEG5 - PHASE 2A EROSION PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-EC38	SEG5 - PHASE 2A EROSION PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-EC39	SEG5 - PHASE 2A EROSION PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-EC40	SEG5 - PHASE 2A EROSION PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-EC41	SEG5 - PHASE 2A EROSION PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-EC42	SEG5 - PHASE 2A EROSION PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-EC43	SEG5 - PHASE 2A EROSION PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-EC44	SEG5 - PHASE 2A EROSION PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-EC45	SEG5 - PHASE 2A EROSION PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-EC46	SEG5 - PHASE 2A EROSION PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-EC47	SEG5 - PHASE 2A EROSION PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-EC48	SEG5 - PHASE 2A EROSION PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-EC49	SEG5 - PHASE 2A EROSION PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-EC50	SEG5 - PHASE 2A EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC51	SEG5 - PHASE 2A EROSION PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-EC52	SEG5 - PHASE 2B EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC53	SEG5 - PHASE 2B EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC54	SEG5 - PHASE 2B EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC55	SEG5 - PHASE 2B EROSION PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-EC56	SEG5 - PHASE 3A EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC57	SEG5 - PHASE 3A EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC58	SEG5 - PHASE 3A EROSION PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-EC59	SEG5 - PHASE 3A EROSION PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-EC60	SEG5 - PHASE 3A EROSION PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-EC61	SEG5 - PHASE 3A EROSION PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-EC62	SEG5 - PHASE 3A EROSION PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-EC63	SEG5 - PHASE 3A EROSION PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-EC64	SEG5 - PHASE 3A EROSION PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-EC65	SEG5 - PHASE 3A EROSION PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-EC66	SEG5 - PHASE 3A EROSION PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-EC67	SEG5 - PHASE 3A EROSION PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-EC68	SEG5 - PHASE 3A EROSION PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-EC69	SEG5 - PHASE 3A EROSION PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-EC70	SEG5 - PHASE 3A EROSION PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-EC71	SEG5 - PHASE 3A EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC72	SEG5 - PHASE 3A EROSION PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-EC73	SEG5 - PHASE 3B EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC74	SEG5 - PHASE 3B EROSION PLAN STA. 5010+50 TO STA. 5024+00

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 4 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	0-IN04

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON & COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	9/5/2025	5-EC75	SEG5 - PHASE 3B EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC76	SEG5 - PHASE 3B EROSION PLAN STA. 5213+00 TO STA. 52126+50
		A	9/5/2025	5-EC77	SEG5 - PHASE 4 EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC78	SEG5 - PHASE 4 EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC79	SEG5 - PHASE 4 EROSION PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-EC80	SEG5 - PHASE 4 EROSION PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-EC81	SEG5 - PHASE 4 EROSION PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-EC82	SEG5 - PHASE 4 EROSION PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-EC83	SEG5 - PHASE 4 EROSION PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-EC84	SEG5 - PHASE 4 EROSION PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-EC85	SEG5 - PHASE 4 EROSION PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-EC86	SEG5 - PHASE 4 EROSION PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-EC87	SEG5 - PHASE 4 EROSION PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-EC88	SEG5 - PHASE 4 EROSION PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-EC89	SEG5 - PHASE 4 EROSION PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-EC90	SEG5 - PHASE 4 EROSION PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-EC91	SEG5 - PHASE 4 EROSION PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-EC92	SEG5 - PHASE 4 EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC93	SEG5 - PHASE 4 EROSION PLAN STA. 5213+00 TO STA. 5226+50
		A	9/5/2025	5-EC94	SEG5 - POST CONST. EROSION PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-EC95	SEG5 - POST CONST. EROSION PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-EC96	SEG5 - POST CONST. EROSION PLAN STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-EC97	SEG5 - POST CONST. EROSION PLAN STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-EC98	SEG5 - POST CONST. EROSION PLAN STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-EC99	SEG5 - POST CONST. EROSION PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-EC100	SEG5 - POST CONST. EROSION PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-EC101	SEG5 - POST CONST. EROSION PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-EC102	SEG5 - POST CONST. EROSION PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-EC103	SEG5 - POST CONST. EROSION PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-EC104	SEG5 - POST CONST. EROSION PLAN STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-EC105	SEG5 - POST CONST. EROSION PLAN STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-EC106	SEG5 - POST CONST. EROSION PLAN STA. 5159+00 TO STA. 5172+50
		A	9/5/2025	5-EC107	SEG5 - POST CONST. EROSION PLAN STA. 5172+50 TO STA. 5186+00
		A	9/5/2025	5-EC108	SEG5 - POST CONST. EROSION PLAN STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-EC109	SEG5 - POST CONST. EROSION PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-EC110	SEG5 - POST CONST. EROSION PLAN STA. 5213+00 TO STA. 5226+50
ITS SHEETS					
		A	7/18/2025	1-ITS01	SEG1B - I-70 ITS PLAN STA. 1345+00 TO STA. 1358+50
		A	7/18/2025	1-ITS02	SEG1B - I-70 ITS PLAN STA. 1358+50 TO STA. 1372+00
		A	7/18/2025	1-ITS03	SEG1B - I-70 ITS PLAN STA. 1372+00 TO STA. 1385+50
		A	7/18/2025	1-ITS04	SEG1B - I-70 ITS PLAN STA. 1385+50 TO STA. 1399+00
		A	7/18/2025	1-ITS05	SEG1B - I-70 ITS PLAN STA. 1399+00 TO STA. 1412+50
		A	7/18/2025	1-ITS06	SEG1B - I-70 ITS PLAN STA. 1412+50 TO STA. 1426+00
		A	7/18/2025	1-ITS07	SEG1B - I-70 ITS PLAN STA. 1426+00 TO STA. 1439+50
		A	7/18/2025	1-ITS08	SEG1B - I-70 ITS PLAN STA. 1439+50 TO STA. 1453+00
		A	7/18/2025	1-ITS09	SEG1B - I-70 ITS PLAN STA. 1453+00 TO STA. 1466+50
		A	7/18/2025	1-ITS10	SEG1B - I-70 ITS PLAN STA. 1466+50 TO STA. 1480+00
		A	7/18/2025	1-ITS11	SEG1B - I-70 ITS PLAN STA. 1480+00 TO STA. 1493+50
		A	7/18/2025	1-ITS12	SEG1B - I-70 ITS PLAN STA. 1493+50 TO STA. 1507+00
		A	7/18/2025	1-ITS13	SEG1B - I-70 ITS PLAN STA. 1507+00 TO STA. 1520+50
		A	7/18/2025	1-ITS14	SEG1B - I-70 ITS PLAN STA. 1520+50 TO STA. 1534+00
		A	7/18/2025	1-ITS15	SEG1B - I-70 ITS PLAN STA. 1534+00 TO STA. 1547+50
		A	7/18/2025	1-ITS16	SEG1B - I-70 ITS PLAN STA. 1547+50 TO STA. 1561+00
		A	7/18/2025	1-ITS17	SEG1B - I-70 ITS FIBER SPLICING AND CONNECTION DETAILS
		A	7/18/2025	1-ITS18	SEG1B - I-70 ITS FIBER SPLICING AND CONNECTION DETAILS
		A	7/18/2025	1-ITS19	SEG1B - I-70 ITS FIBER SPLICING AND CONNECTION DETAILS
		A	7/18/2025	1-ITS20	SEG1B - I-70 ITS FIBER SPLICING AND CONNECTION DETAILS
		A	7/18/2025	1-ITS21	SEG1B - I-70 ITS CAMERA POLE ORIENTATION DETAILS
		A	7/18/2025	1-ITS22	SEG1B - I-70 SIGNAL CONTROLLER CABINET INTERNAL CONDUIT ENTRY
LIGHTING SHEETS					
				5-LT00	SEG 1 - I-70 LIGHTING PLAN - SITE PLAN
				5-LT01	SEG 1 - I-70 LIGHTING PLAN STA. 1308+50 TO STA. 1322+50
				5-LT02	SEG 1 - I-70 LIGHTING PLAN STA. 1322+50 TO STA. 1335+50
				5-LT03	SEG 1 - I-70 LIGHTING PLAN STA. 1335+50 TO STA. 1349+00
				5-LT04	SEG 1 - I-70 LIGHTING PLAN STA. 1362+50 TO STA. 1376+00
				5-LT05	SEG 1 - I-70 LIGHTING PLAN STA. 1376+00 TO STA. 1389+50
				5-LT06	SEG 1 - I-70 LIGHTING PLAN STA. 1389+50 TO STA. 1403+00
				5-LT07	SEG 1 - I-70 LIGHTING PLAN STA. 1403+00 TO STA. 1416+50
				5-LT08	SEG 1 - I-70 LIGHTING PLAN STA. 1511+00 TO STA. 1524+50
				5-LT09	SEG 1 - I-70 LIGHTING PLAN STA. 1524+50 TO STA. 1538+00

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
				5-LT10	SEG 1 - I-70 LIGHTING PLAN STA. 1538+00 TO STA. 1551+50
				5-LT11	SEG 1 - I-70 LIGHTING PLAN STA. 1551+50 TO STA. 1565+00
				5-LT12	SEG 1 - I-70 LIGHTING EQUIPMENT SCHEDULE
				5-LT13	SEG 1 - I-70 CONDUIT SCHEDULE
		A	9/5/2025	5-LT00	SEG 5 - I-70 LIGHTING PLAN - SITE PLAN
		A	9/5/2025	5-LT01	SEG 5 - I-70 LIGHTING PLAN STA. 4219+00 TO STA. 5010+50
		A	9/5/2025	5-LT02	SEG 5 - I-70 LIGHTING PLAN STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-LT03	SEG 5 - I-70 LIGHTING PLAN STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-LT04	SEG 5 - I-70 LIGHTING PLAN STA. 5078+00 TO STA. 5091+50
		A	9/5/2025	5-LT05	SEG 5 - I-70 LIGHTING PLAN STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-LT06	SEG 5 - I-70 LIGHTING PLAN STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-LT07	SEG 5 - I-70 LIGHTING PLAN STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-LT08	SEG 5 - I-70 LIGHTING PLAN STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-LT09	SEG 5 - I-70 LIGHTING EQUIPMENT SCHEDULE
		A	9/5/2025	5-LT10	SEG 5 - I-70 CONDUIT SCHEDULE
SIGNING SHEETS					
		A	7/21/2025	1-SNP01	SEG1B - PERMANENT SIGNING STA. 1295+00 TO STA. 1309+00
		A	7/21/2025	1-SNP02	SEG1B - PERMANENT SIGNING STA. 1309+00 TO STA. 1323+00
		A	7/21/2025	1-SNP03	SEG1B - PERMANENT SIGNING STA. 1323+00 TO STA. 1337+00
		A	7/21/2025	1-SNP04	SEG1B - PERMANENT SIGNING STA. 1337+00 TO STA. 1351+00
		A	7/21/2025	1-SNP05	SEG1B - PERMANENT SIGNING STA. 1351+00 TO STA. 1365+00
		A	7/21/2025	1-SNP06	SEG1B - PERMANENT SIGNING STA. 1365+00 TO STA. 1379+00
		A	7/21/2025	1-SNP07	SEG1B - PERMANENT SIGNING STA. 1379+00 TO STA. 1393+00
		A	7/21/2025	1-SNP08	SEG1B - PERMANENT SIGNING STA. 1393+00 TO STA. 1407+00
		A	7/21/2025	1-SNP09	SEG1B - PERMANENT SIGNING STA. 1407+00 TO STA. 1421+00
		A	7/21/2025	1-SNP10	SEG1B - PERMANENT SIGNING STA. 1421+00 TO STA. 1435+00
		A	7/21/2025	1-SNP11	SEG1B - PERMANENT SIGNING STA. 1435+00 TO STA. 1449+00
		A	7/21/2025	1-SNP12	SEG1B - PERMANENT SIGNING STA. 1449+00 TO STA. 1463+00
		A	7/21/2025	1-SNP13	SEG1B - PERMANENT SIGNING STA. 1463+00 TO STA. 1477+00
		A	7/21/2025	1-SNP14	SEG1B - PERMANENT SIGNING STA. 1477+00 TO STA. 1491+00
		A	7/21/2025	1-SNP15	SEG1B - PERMANENT SIGNING STA. 1491+00 TO STA. 1505+00
		A	7/21/2025	1-SNP16	SEG1B - PERMANENT SIGNING STA. 1505+00 TO STA. 1519+00
		A	7/21/2025	1-SNP17	SEG1B - PERMANENT SIGNING STA. 1519+00 TO STA. 1533+00
		A	7/21/2025	1-SNP18	SEG1B - PERMANENT SIGNING STA. 1533+00 TO STA. 1547+00
		A	7/21/2025	1-SNP19	SEG1B - PERMANENT SIGNING STA. 1547+00 TO STA. 1561+00
		A	7/21/2025	1-SNP20	SEG1B - PERMANENT SIGNING STA. 1561+00 TO STA. 1575+00
		B	9/5/2025	5-SNP01	SEG5 - PERMANENT SIGNING STA. 5000+00 TO STA. 5010+50
		B	9/5/2025	5-SNP02	SEG5 - PERMANENT SIGNING STA. 5010+50 TO STA. 5024+00
		B	9/5/2025	5-SNP03	SEG5 - PERMANENT SIGNING STA. 5024+00 TO STA. 5037+50
		B	9/5/2025	5-SNP04	SEG5 - PERMANENT SIGNING STA. 5037+50 TO STA. 5051+00
		B	9/5/2025	5-SNP05	SEG5 - PERMANENT SIGNING STA. 5051+00 TO STA. 5064+50
		B	9/5/2025	5-SNP06	SEG5 - PERMANENT SIGNING STA. 5064+50 TO STA. 5078+00
		B	9/5/2025	5-SNP07	SEG5 - PERMANENT SIGNING STA. 5078+00 TO STA. 5091+50
		B	9/5/2025	5-SNP08	SEG5 - PERMANENT SIGNING STA. 5091+50 TO STA. 5105+00
		B	9/5/2025	5-SNP09	SEG5 - PERMANENT SIGNING STA. 5105+00 TO STA. 5118+50
		B	9/5/2025	5-SNP10	SEG5 - PERMANENT SIGNING STA. 5118+50 TO STA. 5132+00
		B	9/5/2025	5-SNP11	SEG5 - PERMANENT SIGNING STA. 5132+00 TO STA. 5145+50
		B	9/5/2025	5-SNP12	SEG5 - PERMANENT SIGNING STA. 5145+50 TO STA. 5159+00
		B	9/5/2025	5-SNP13	SEG5 - PERMANENT SIGNING STA. 5159+00 TO STA. 5172+50
		B	9/5/2025	5-SNP14	SEG5 - PERMANENT SIGNING STA. 5172+50 TO STA. 5186+00
		B	9/5/2025	5-SNP15	SEG5 - PERMANENT SIGNING STA. 5186+00 TO STA. 5199+50
		B	9/5/2025	5-SNP16	SEG5 - PERMANENT SIGNING STA. 5199+50 TO STA. 5213+00
		B	9/5/2025	5-SNP17	SEG5 - PERMANENT SIGNING STA. 5213+00 TO 5226+50
		A	9/5/2025	5-SNP18	SEG5 - D-29 SIGN SUMMARY
		A	9/5/2025	5-SNP19	SEG5 - D-30 SIGN SUMMARY
PAVEMENT MARKINGS					
		A	9/5/2025	5-PM01	SEG5 - PAVEMENT MARKINGS STA. 5000+00 TO STA. 5010+50
		A	9/5/2025	5-PM02	SEG5 - PAVEMENT MARKINGS STA. 5010+50 TO STA. 5024+00
		A	9/5/2025	5-PM03	SEG5 - PAVEMENT MARKINGS STA. 5024+00 TO STA. 5037+50
		A	9/5/2025	5-PM04	SEG5 - PAVEMENT MARKINGS STA. 5037+50 TO STA. 5051+00
		A	9/5/2025	5-PM05	SEG5 - PAVEMENT MARKINGS STA. 5051+00 TO STA. 5064+50
		A	9/5/2025	5-PM06	SEG5 - PAVEMENT MARKINGS STA. 5064+50 TO STA. 5078+00
		A	9/5/2025	5-PM07	SEG5 - PAVEMENT MARKINGS STA. 5078+00 TO STA. 5091+50

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 5 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	0-IN05

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON &COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	9/5/2025	5-PM08	SEG5 - PAVEMENT MARKINGS STA. 5091+50 TO STA. 5105+00
		A	9/5/2025	5-PM09	SEG5 - PAVEMENT MARKINGS STA. 5105+00 TO STA. 5118+50
		A	9/5/2025	5-PM10	SEG5 - PAVEMENT MARKINGS STA. 5118+50 TO STA. 5132+00
		A	9/5/2025	5-PM11	SEG5 - PAVEMENT MARKINGS STA. 5132+00 TO STA. 5145+50
		A	9/5/2025	5-PM12	SEG5 - PAVEMENT MARKINGS STA. 5145+50 TO STA. 5159+00
		A	9/5/2025	5-PM13	SEG5 - PAVEMENT MARKINGS STA. 5159+00 TO STA. 5172+00
		A	9/5/2025	5-PM14	SEG5 - PAVEMENT MARKINGS STA. 5172+00 TO STA. 5186+00
		A	9/5/2025	5-PM15	SEG5 - PAVEMENT MARKINGS STA. 5186+00 TO STA. 5199+50
		A	9/5/2025	5-PM16	SEG5 - PAVEMENT MARKINGS STA. 5199+50 TO STA. 5213+00
		A	9/5/2025	5-PM17	SEG5 - PAVEMENT MARKINGS STA. 5113+00 TO END SEG 5
STRUCTURES					
STRUCTURE NO. A9737 - I-70 OVER SNI-A-BAR CREEK					
	NDC001	2	9/8/2025	1-BR01	SEG 1 - GENERAL PLAN & ELEVATION
	NDC001	2	9/8/2025	1-BR02	SEG 1 - GENERAL NOTES AND QUANTITIES
	NDC001	2	9/8/2025	1-BR02A	SEG 1 - GENERAL NOTES AND QUANTITIES
	RFC	1	8/29/2025	1-BR03	SEG 1 - DETAILS OF STAGED CONSTRUCTION PAHSE 1
	RFC	1	8/29/2025	1-BR04	SEG 1 - DETAILS OF STAGED CONSTRUCTION PHASE 2
	RFC	1	8/29/2025	1-BR05	SEG 1 - DETAILS OF STAGED CONSTRUCTION PHASE 3 & FINAL
	RFC	1	8/29/2025	1-BR06	SEG 1 - END BENTS NO. 1 & 6
	RFC	1	8/29/2025	1-BR07	SEG 1 - END BENTS NO. 1 & 6
	RFC	1	8/29/2025	1-BR08	SEG 1 - END BENTS NO. 1 & 6
	RFC	1	8/29/2025	1-BR09	SEG 1 - END BENTS NO. 1 & 6
	RFC	1	8/29/2025	1-BR10	SEG 1 - END BENTS NO. 1 & 6
	RFC	1	8/29/2025	1-BR11	SEG 1 - VERTICAL DRAIN AT END BENTS
	RFC	1	8/29/2025	1-BR12	SEG 1 - INTERMEDIATE BENTS NO. 2 & 5 PLAN OF BEAM
	RFC	1	8/29/2025	1-BR13	SEG 1 - INTERMEDIATE BENTS NO. 2 & 5 PLAN SHOWING REINF.
	NDC001	2	9/8/2025	1-BR14	SEG 1 - INTERMEDIATE BENTS NO. 2 & 5 ELEVATION
	NDC001	2	9/8/2025	1-BR15	SEG 1 - INTERMEDIATE BENTS NO. 2 & 5 ELEVATION
	RFC	1	8/29/2025	1-BR16	SEG 1 - INTERMEDIATE BENTS NO. 2 & 5 SECTIONS
	RFC	1	8/29/2025	1-BR17	SEG 1 - INTERMEDIATE BENTS NO. 3 & 4 PLAN OF BEAM
	NDC001	2	9/8/2025	1-BR18	SEG 1 - INTERMEDIATE BENTS NO. 3 & 4 PLAN SHOWING REINF.
	NDC001	2	9/8/2025	1-BR19	SEG 1 - INTERMEDIATE BENTS NO. 3 & 4 ELEVATION
	RFC	1	8/29/2025	1-BR20	SEG 1 - INTERMEDIATE BENTS NO. 3 & 4 ELEVATION
	RFC	1	8/29/2025	1-BR21	SEG 1 - INTERMEDIATE BENTS NO. 3 & 4 SECTIONS
	RFC	1	8/29/2025	1-BR22	SEG 1 - STEEL INTERMEDIATE DIAPHRAGMS
	RFC	1	8/29/2025	1-BR23	SEG 1 - TYPE NU/43 SP GIRDERS-SPANS (1-2),(2-3),(4-5)&(5-6)
	RFC	1	8/29/2025	1-BR24	SEG 1 - TYPE NU/53 SP GIRDERS-SPAN (3-4)
	RFC	1	8/29/2025	1-BR25	SEG 1 - DETAILS OF CONC DIAPHRAGMS AT INTER. BENTS NO. 2 & 5
	RFC	1	8/29/2025	1-BR26	SEG 1 - DETAILS OF CONC DIAPHRAGMS AT INTER. BENTS NO. 3 & 4
	RFC	1	8/29/2025	1-BR27	SEG 1 - SLAB DRAINS
	RFC	1	8/29/2025	1-BR28	SEG 1 - THEORETICAL SLAB HAUNCHING DIAGRAM & GIRDER CAMBER
	RFC	1	8/29/2025	1-BR29	SEG 1 - THEORETICAL BOTTOM OF SLAB ELEVATIONS
	RFC	1	8/29/2025	1-BR30	SEG 1 - PLAN OF SLAB SHOWING TOP REINFORCEMENT
	RFC	1	8/29/2025	1-BR31	SEG 1 - PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT
	RFC	1	8/29/2025	1-BR32	SEG 1 - SLAB DETAILS
	RFC	1	8/29/2025	1-BR33	SEG 1 - SLAB DETAILS
	RFC	1	8/29/2025	1-BR34	SEG 1 - TYPE D BARRIER DETAILS
	RFC	1	8/29/2025	1-BR35	SEG 1 - TYPE D BARRIER DETAILS
	RFC	1	8/29/2025	1-BR36	SEG 1 - TYPE D BARRIER DETAILS AT END BENTS
	RFC	1	8/29/2025	1-BR37	SEG 1 - TYPE C BARRIER
	RFC	1	8/29/2025	1-BR38	SEG 1 - BRIDGE APPROACH SLAB (MAJOR)
	NDC001	2	9/8/2025	1-BR39	SEG 1 - BENDING DIAGRAMS AND REINFORCING STEEL TOTALS
	NDC001	2	9/8/2025	1-BR40	SEG 1 - BILL OF REINFORCING STEEL
	NDC001	2	9/8/2025	1-BR41	SEG 1 - BILL OF REINFORCING STEEL
	RFC	1	8/29/2025	1-BR42	SEG 1 - BILL OF REINFORCING STEEL
	RFC	1	8/29/2025	1-BR43	SEG 1 - BILL OF REINFORCING STEEL
	RFC	1	8/29/2025	1-BR44	SEG 1 - BILL OF REINFORCING STEEL
	RFC	1	8/29/2025	1-BR45	SEG 1 - AS-BUILT PILE DATA & AS-BUILT DRILLED SHAFT DATA
	RFC	1	8/29/2025	1-BR46	SEG 1 - BORING DATA
	RFC	1	8/29/2025	1-BR47	SEG 1 - BORING DATA
	RFC	1	8/29/2025	1-BR48	SEG 1 - BORING DATA
	RFC	1	8/29/2025	1-BR49	SEG 1 - BORING DATA
	RFC	1	8/29/2025	1-BR50	SEG 1 - BORING DATA
	RFC	1	8/29/2025	1-BR51	SEG 1 - BORING DATA
STRUCTURE NO. A9741 - I-70 OVER HORSESHOE CREEK					
XX	RFC	1	9/12/2025	2-BR01	SEG 2 - GENERAL PLAN & ELEVATION
XX	RFC	1	9/12/2025	2-BR02	SEG 2 - GENERAL NOTES AND QUANTITIES
XX	RFC	1	9/12/2025	2-BR03	SEG 2 - STAGED CONSTRUCTION DETAILS
XX	RFC	1	9/12/2025	2-BR04	SEG 2 - STAGED CONSTRUCTION DETAILS
XX	RFC	1	9/12/2025	2-BR05	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR06	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR07	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR08	SEG 2 - DETAILS OF END BENTS NO. 1

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
XX	RFC	1	9/12/2025	2-BR09	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR10	SEG 2- VERTICAL DRAIN AT END BENTS
XX	RFC	1	9/12/2025	2-BR11	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR12	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR13	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR14	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR15	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR16	SEG 2 - NU-GIRDERS - SPAN (1-2)
XX	RFC	1	9/12/2025	2-BR17	SEG 2 - STEEL INTERMEDIATE DIAPHRAGMS
XX	RFC	1	9/12/2025	2-BR18	SEG 2 - SLAB DRAINS
XX	RFC	1	9/12/2025	2-BR19	SEG 2 - CAMBER DIAGRAM, HAUNCHING DIAGRAM & SLAB ELEVATIONS
XX	RFC	1	9/12/2025	2-BR20	SEG 2 - PLAN OF SLAB SHOWING TOP REINFORCING
XX	RFC	1	9/12/2025	2-BR21	SEG 2 - PLAN OF SLAB SHOWING BOTTOM REINFORCING
XX	RFC	1	9/12/2025	2-BR22	SEG 2 - SLAB DETAILS
XX	RFC	1	9/12/2025	2-BR23	SEG 2 - TYPE D BARRIER
XX	RFC	1	9/12/2025	2-BR24	SEG 2 - TYPE D BARRIER AT END BENTS
XX	RFC	1	9/12/2025	2-BR25	SEG 2 - BRIDGE APPROACH SLAB (MAJOR)
XX	RFC	1	9/12/2025	2-BR26	SEG 2 - BENDING DIAGRAMS AND REINFORCING STEEL TOTALS
XX	RFC	1	9/12/2025	2-BR27	SEG 2 - BILL OF REINFORCING STEEL
XX	RFC	1	9/12/2025	2-BR28	SEG 2 - BILL OF REINFORCING STEEL
XX	RFC	1	9/12/2025	2-BR29	SEG 2 - AS-BUILT PILE DATA
XX	RFC	1	9/12/2025	2-BR30	SEG 2 - BORING DATA
XX	RFC	1	9/12/2025	2-BR31	SEG 2 - BORING DATA
STRUCTURE NO. A9742 - I-70 OVER LITTLE HORSESHOE CREEK					
XX	RFC	1	9/12/2025	2-BR01	SEG 2 - GENERAL PLAN & ELEVATION
XX	RFC	1	9/12/2025	2-BR02	SEG 2 - GENERAL NOTES AND QUANTITIES
XX	RFC	1	9/12/2025	2-BR03	SEG 2 - STAGED CONSTRUCTION DETAILS
XX	RFC	1	9/12/2025	2-BR04	SEG 2 - STAGED CONSTRUCTION DETAILS
XX	RFC	1	9/12/2025	2-BR05	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR06	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR07	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR08	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR09	SEG 2 - DETAILS OF END BENTS NO. 1
XX	RFC	1	9/12/2025	2-BR10	SEG 2- VERTICAL DRAIN AT END BENTS
XX	RFC	1	9/12/2025	2-BR11	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR12	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR13	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR14	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR15	SEG 2 - DETAILS OF END BENTS NO. 2
XX	RFC	1	9/12/2025	2-BR16	SEG 2 - NU-GIRDERS (ALTERNATE REINFORCEMENT) - SPAN (1-2)
XX	RFC	1	9/12/2025	2-BR17	SEG 2 - SLAB DRAINS
XX	RFC	1	9/12/2025	2-BR18	SEG 2 - CAMBER DIAGRAM, HAUNCHING DIAGRAM & SLAB ELEVATIONS
XX	RFC	1	9/12/2025	2-BR19	SEG 2 - PLAN OF SLAB SHOWING TOP REINFORCING
XX	RFC	1	9/12/2025	2-BR20	SEG 2 - PLAN OF SLAB SHOWING BOTTOM REINFORCING
XX	RFC	1	9/12/2025	2-BR21	SEG 2 - SLAB DETAILS
XX	RFC	1	9/12/2025	2-BR22	SEG 2 - TYPE D BARRIER
XX	RFC	1	9/12/2025	2-BR23	SEG 2 - TYPE D BARRIER AT END BENTS
XX	RFC	1	9/12/2025	2-BR24	SEG 2 - BRIDGE APPROACH SLAB (MAJOR)
XX	RFC	1	9/12/2025	2-BR25	SEG 2 - BENDING DIAGRAMS AND REINFORCING STEEL TOTALS
XX	RFC	1	9/12/2025	2-BR26	SEG 2 - BILL OF REINFORCING STEEL
XX	RFC	1	9/12/2025	2-BR27	SEG 2 - BILL OF REINFORCING STEEL
XX	RFC	1	9/12/2025	2-BR28	SEG 2 - AS-BUILT PILE DATA
XX	RFC	1	9/12/2025	2-BR29	SEG 2 - BORING DATA
XX	RFC	1	9/12/2025	2-BR30	SEG 2 - BORING DATA
STRUCTURE NO. A9750 - CPKC BRIDGE OVER I-70					
		A	8/25/2025	4-BR01	SEG 4 - GENERAL PLAN & ELEVATION
		A	8/25/2025	4-BR02	SEG 4 - TYPICAL SECTION & TOP OF RAIL PROFILES
		A	8/25/2025	4-BR03	SEG 4 - PRESTRESSED CONCRETE NU-GIRDER SPANS
CROSS SECTION SHEETS					
	RFC	1	8/29/2025	1-X1	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X2	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X3	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X4	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X5	SEG1A - I-70 CROSS SECTIONS

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 6 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	0-IN06

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

REVISIONS

NO.	APPD. BY	DATE	
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON &COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
	RFC	1	8/29/2025	1-X6	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X7	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X8	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X9	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X10	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X11	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X12	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X13	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X14	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X15	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X16	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X17	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X18	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X19	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X20	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X21	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X22	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X23	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X24	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X25	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X26	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X27	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X28	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X29	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X30	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X31	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X32	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X33	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X34	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X35	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X36	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X37	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X38	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X39	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X40	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X41	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X42	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X43	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X44	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X45	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X46	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X47	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X48	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X49	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X50	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X51	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X52	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X53	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X54	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X55	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X56	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X57	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X58	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X59	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X60	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X61	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X62	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X63	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X64	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X65	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X66	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X67	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X68	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X69	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X70	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X71	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X72	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X73	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X74	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X75	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X76	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X77	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X78	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X79	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X80	SEG1A - I-70 CROSS SECTIONS

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
	RFC	1	8/29/2025	1-X81	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X82	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X83	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X84	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X85	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X86	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X87	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X88	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X89	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X90	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X91	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X92	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X93	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X94	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X95	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X96	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X97	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X98	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X99	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X100	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X101	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X102	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X103	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X104	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X105	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X106	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X107	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X108	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X109	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X110	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X111	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X112	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X113	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X114	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X115	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X116	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X117	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X118	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X119	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X120	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X121	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X122	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X123	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X124	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X125	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X126	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X127	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X128	SEG1A - I-70 CROSS SECTIONS
	RFC	1	8/29/2025	1-X129	SEG1A - I-70 CROSS SECTIONS
		A	6/19/2025	1-X130	SEG1A - HWY 7 EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X131	SEG1A - HWY 7 EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X132	SEG1A - HWY 7 EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X133	SEG1A - HWY 7 EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X134	SEG1A - HWY 7 EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X135	SEG1A - HWY 7 WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X136	SEG1A - HWY 7 WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X137	SEG1A - HWY 7 WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X138	SEG1A - HWY 7 WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X139	SEG1A - ADAMS DAIRY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X140	SEG1A - ADAMS DAIRY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X141	SEG1A - ADAMS DAIRY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X142	SEG1A - ADAMS DAIRY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X143	SEG1A - ADAMS DAIRY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X144	SEG1A - ADAMS DAIRY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X145	SEG1A - ADAMS DAIRY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X146	SEG1A - ADAMS DAIRY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X147	SEG1A - ADAMS DAIRY EB OFF RAMP CROSS SECTIONS

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 7 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
KC	0-IN07

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

REVISIONS

NO.	APPD. BY	DATE	
I	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON &COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		A	6/19/2025	1-X148	SEG1A - ADAMS DAIRY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X149	SEG1A - ADAMS DAIRY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X150	SEG1A - ADAMS DAIRY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X151	SEG1A - ADAMS DAIRY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X152	SEG1A - ADAMS DAIRY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X153	SEG1A - ADAMS DAIRY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X154	SEG1A - ADAMS DAIRY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X155	SEG1A - ADAMS DAIRY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X156	SEG1A - ADAMS DAIRY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X157	SEG1A - BUCKNER TARSNEY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X158	SEG1A - BUCKNER TARSNEY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X159	SEG1A - BUCKNER TARSNEY WB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X160	SEG1A - BUCKNER TARSNEY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X161	SEG1A - BUCKNER TARSNEY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X162	SEG1A - BUCKNER TARSNEY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X163	SEG1A - BUCKNER TARSNEY EB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X164	SEG1A - BUCKNER TARSNEY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X165	SEG1A - BUCKNER TARSNEY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X166	SEG1A - BUCKNER TARSNEY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X167	SEG1A - BUCKNER TARSNEY EB ON RAMP CROSS SECTIONS
		A	6/19/2025	1-X168	SEG1A - BUCKNER TARSNEY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X169	SEG1A - BUCKNER TARSNEY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X170	SEG1A - BUCKNER TARSNEY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X171	SEG1A - BUCKNER TARSNEY WB OFF RAMP CROSS SECTIONS
		A	6/19/2025	1-X172	SEG1A - BUCKNER TARSNEY WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X1	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X2	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X3	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X4	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X5	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X6	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X7	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X8	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X9	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X10	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X11	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X12	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X13	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X14	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X15	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X16	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X17	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X18	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X19	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X20	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X21	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X22	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X23	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X24	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X25	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X26	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X27	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X28	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X29	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X30	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X31	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X32	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X33	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X34	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X35	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X36	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X37	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X38	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X39	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X40	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X41	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X42	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X43	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X44	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X45	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X46	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X47	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X48	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X49	SEG5 - I-70 CROSS SECTIONS

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		B	9/5/2025	5-X50	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X51	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X52	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X53	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X54	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X55	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X56	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X57	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X58	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X59	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X60	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X61	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X62	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X63	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X64	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X65	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X66	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X67	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X68	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X69	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X70	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X71	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X72	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X73	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X74	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X75	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X76	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X77	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X78	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X79	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X80	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X81	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X82	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X83	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X84	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X85	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X86	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X87	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X88	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X89	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X90	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X91	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X92	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X93	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X94	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X95	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X96	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X97	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X98	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X99	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X100	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X101	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X102	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X103	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X104	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X105	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X106	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X107	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X108	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X109	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X110	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X111	SEG5 - I-70 CROSS SECTIONS
		B	9/5/2025	5-X112	SEG5 - RTE M/O EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X113	SEG5 - RTE M/O EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X114	SEG5 - RTE M/O EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X115	SEG5 - RTE M/O WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X116	SEG5 - RTE M/O WB OFF RAMP CROSS SECTIONS

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 8 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	0-IN08

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON &COMPANY

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE
		B	9/5/2025	5-X117	SEG5 - RTE M/O WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X118	SEG5 - RTE M/O WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X119	SEG5 - RTE M/O WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X120	SEG5 - WEIGH STATION EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X121	SEG5 - WEIGH STATION EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X122	SEG5 - WEIGH STATION EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X123	SEG5 - WEIGH STATION WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X124	SEG5 - WEIGH STATION WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X125	SEG5 - WEIGH STATION WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X126	SEG5 - WEIGH STATION WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X127	SEG5 - WEIGH STATION WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X128	SEG5 - WEIGH STATION EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X129	SEG5 - WEIGH STATION EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X130	SEG5 - WEIGH STATION EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X131	SEG5 - WEIGH STATION EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X132	SEG5 - WEIGH STATION EB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X133	SEG5 - WEIGH STATION WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X134	SEG5 - WEIGH STATION WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X135	SEG5 - WEIGH STATION WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X136	SEG5 - WEIGH STATION WB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X137	SEG5 - RTE H WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X138	SEG5 - RTE H WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X139	SEG5 - RTE H WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X140	SEG5 - RTE H WB ON RAMP CROSS SECTIONS
		B	9/5/2025	5-X141	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X142	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X143	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X144	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X145	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X146	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS
		B	9/5/2025	5-X147	SEG5 - RTE H EB OFF RAMP CROSS SECTIONS

INDEX OF SHEETS

INCLUDED	STATUS	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE

INDEX LEGEND
RFC REVISION NUMBER INDICATES SHEET HAS BEEN RELEASED FOR CONSTRUCTION.

REVIEW REVISON LETTER INDICATES SHEET HAS BEEN ISSUED FOR REVIEW.

XX - SHEET IS INCLUDED IN THIS SET.

INDEX OF SHEETS
SHEET 9 OF 9

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/13/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
KC	0-IN09

COUNTY
JACK/LAFA

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

REVISIONS

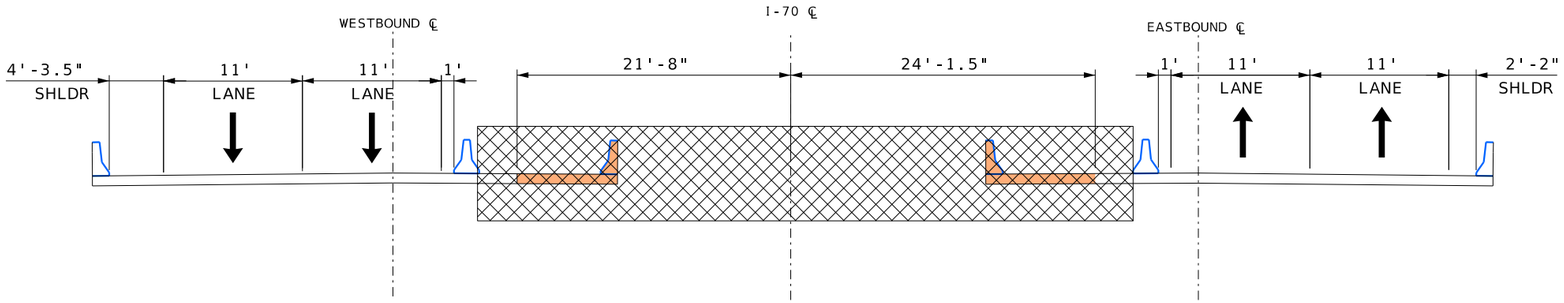
NO.	APPD. BY	DATE	
1	KKG	08/21/25	SEGMENT 1A - REVISED FINAL PLANS
J	KKG	08/25/25	SEGMENT 4 - A9750 CPKC BRIDGE TS&L
1	GDH	08/29/25	SEGMENT 1A - RFC PLANS
K	GDH	09/05/25	SEGMENT 5 - FINAL PLANS
L	GDH	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
2	GDH	09/08/25	NDC001 - SNI-A-BAR SUBSTRUCTURE REV.
3	JAL	09/12/25	EARLY BRIDGE PACKAGE RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2005007599
WILSON & COMPANY

HORSESHOE CREEK BRIDGE
I-70
60 MPH

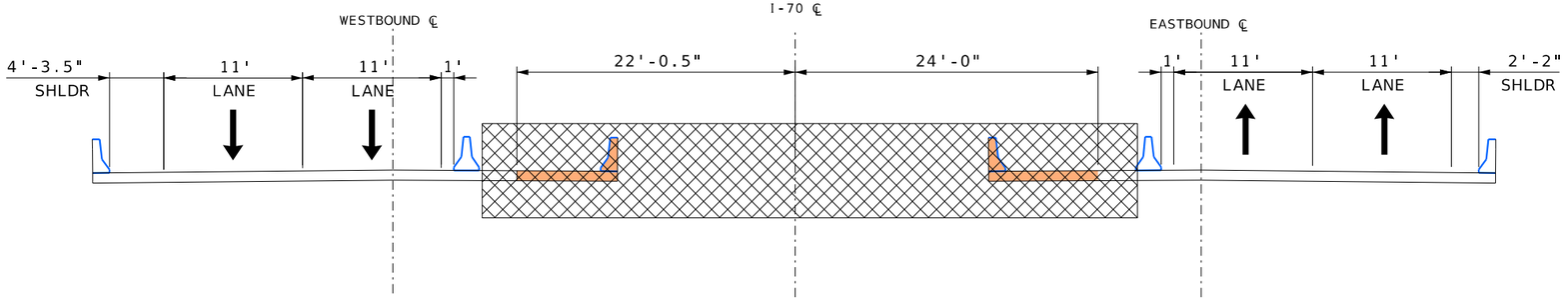
STA. 2211+02.40 TO STA. 2212+47.37



PHASE 1

LITTLE HORSESHOE CREEK BRIDGE
I-70
60 MPH

STA. 2221+19.40 TO STA. 2222+36.20



PHASE 1

LEGEND

- WORK ZONE
- PERMANENT IMPROVEMENTS
- TEMPORARY IMPROVEMENTS
- PERMANENT PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY CONCRETE SAFETY BARRIER
- CHANNELIZER

MAINTENANCE OF TRAFFIC
HORSESHOE CREEKS - PHASE 1
TYPICAL SECTIONS

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/15/2025

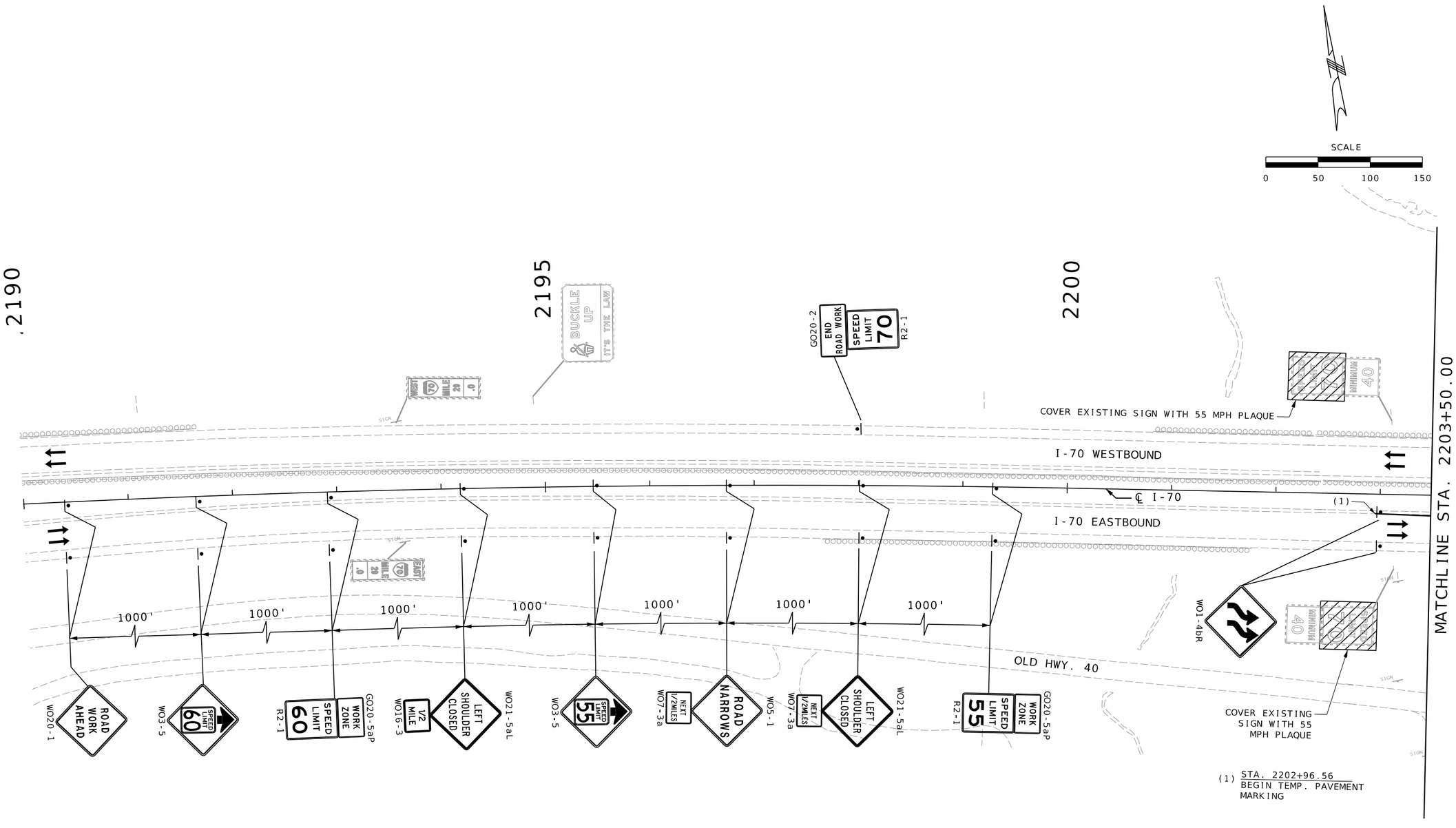
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	2-MT01

COUNTY: JACKSON
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.:

NO.	APPD. BY	DATE	REVISIONS
A	JAL	09/08/25	EARLY BRIDGE PACKAGE - FINAL PLANS
1	JAL	09/12/25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599
WILSON & COMPANY



(1) STA. 2202+96.56
BEGIN TEMP. PAVEMENT MARKING

LEGEND

- WORK ZONE
- PERMANENT IMPROVEMENTS
- TEMPORARY IMPROVEMENTS
- CHANNELIZER
- DIRECTION INDICATOR BARRICADE
- PERMANENT PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY CONCRETE SAFETY BARRIER
- TYPE 3 BARRICADE
- DIRECTION OF TRAFFIC FLOW

MAINTENANCE OF TRAFFIC
HORSESHOE CREEKS - PHASE 1
STA. 2190+00 TO STA. 2203+50

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/15/2025

ROUTE	STATE
I-70	MO

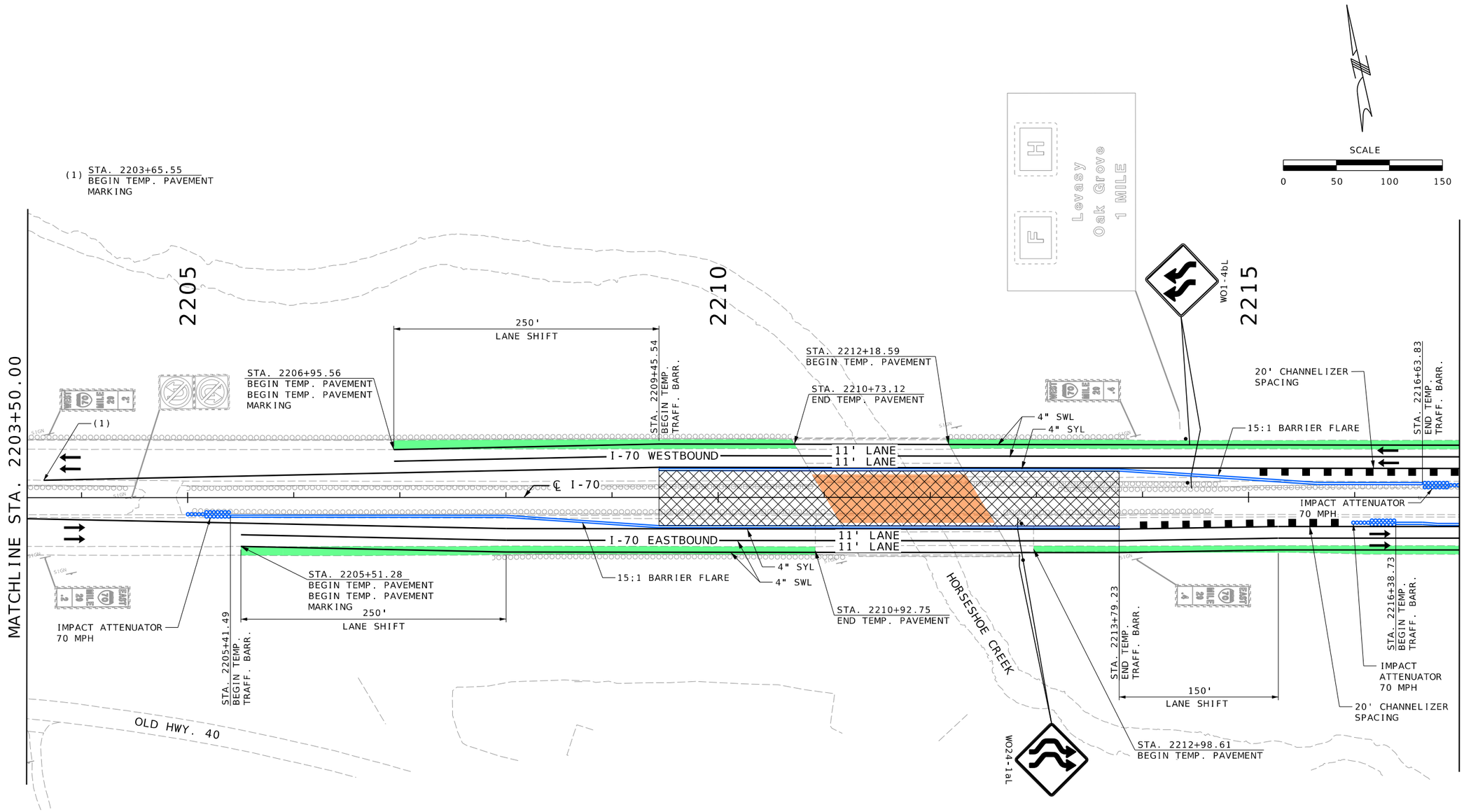
DISTRICT	SHEET NO.
KC	2-MT02

COUNTY: JACKSON
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.:

NO.	APPD. BY	DATE	REVISIONS
A	JAL	09/08/25	EARLY BRIDGE PACKAGE - FINAL PLANS
1	JAL	09/12/25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599



LEGEND

- WORK ZONE
- PERMANENT IMPROVEMENTS
- TEMPORARY IMPROVEMENTS
- CHANNELIZER
- DIRECTION INDICATOR BARRICADE
- PERMANENT PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY CONCRETE SAFETY BARRIER
- TYPE 3 BARRICADE
- DIRECTION OF TRAFFIC FLOW

MAINTENANCE OF TRAFFIC
HORSESHOE CREEKS - PHASE 1
STA. 2203+50 TO STA. 2217+00

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/15/2025

ROUTE	STATE
I-70	MO

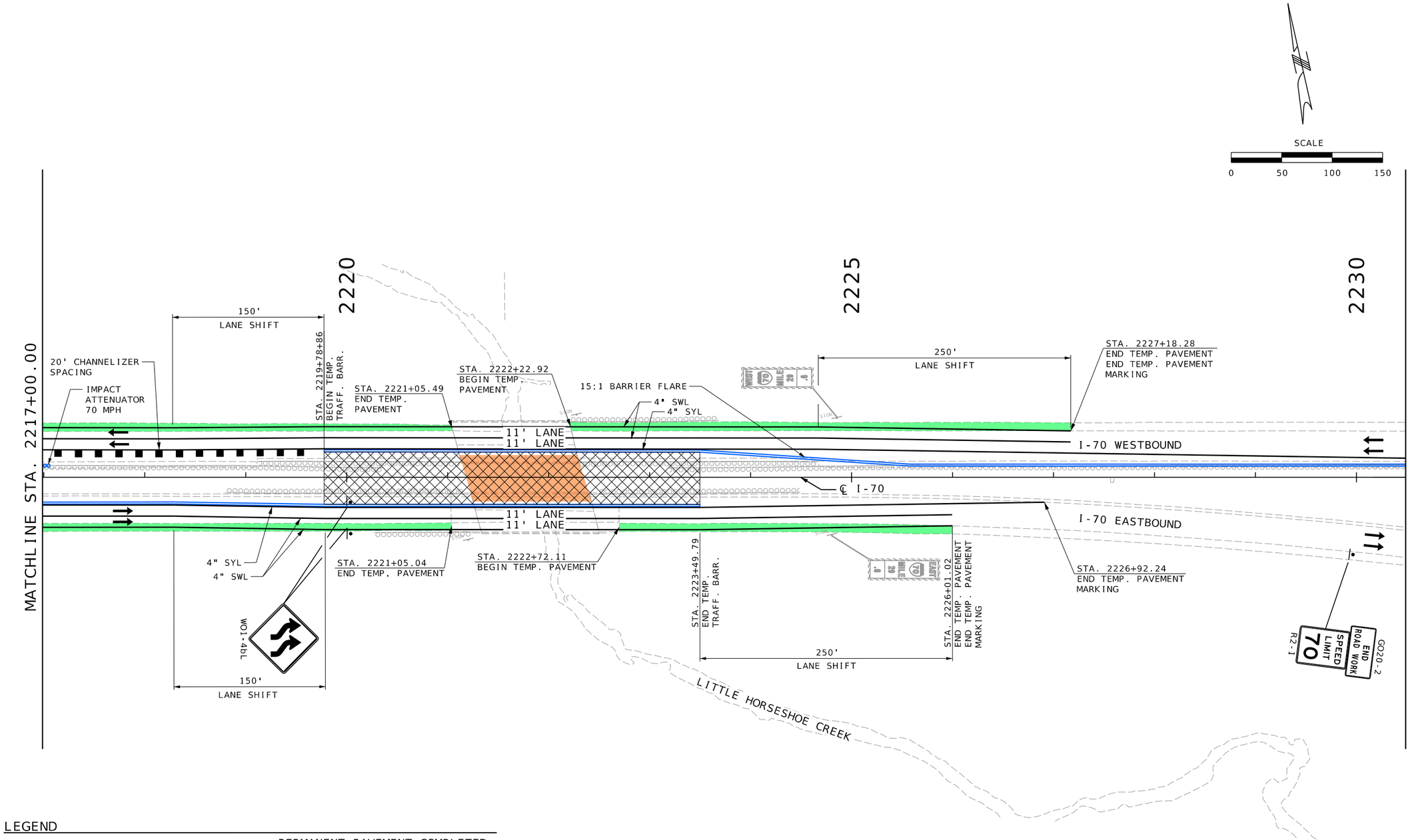
DISTRICT	SHEET NO.
KC	2-MT03

COUNTY: JACKSON
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.:

NO.	APPD. BY	DATE	REVISIONS
A	JAL	09/08/25	EARLY BRIDGE PACKAGE - FINAL PLANS
1	JAL	09/12/25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599
WILSON & COMPANY



LEGEND

- WORK ZONE
- PERMANENT IMPROVEMENTS
- TEMPORARY IMPROVEMENTS
- CHANNELIZER
- DIRECTION INDICATOR BARRICADE
- PERMANENT PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY CONCRETE SAFETY BARRIER
- TYPE 3 BARRICADE
- DIRECTION OF TRAFFIC FLOW

MAINTENANCE OF TRAFFIC
HORSESHOE CREEKS - PHASE 1
STA. 2217+00 TO STA. 2230+50

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/15/2025

ROUTE	STATE
I-70	MO

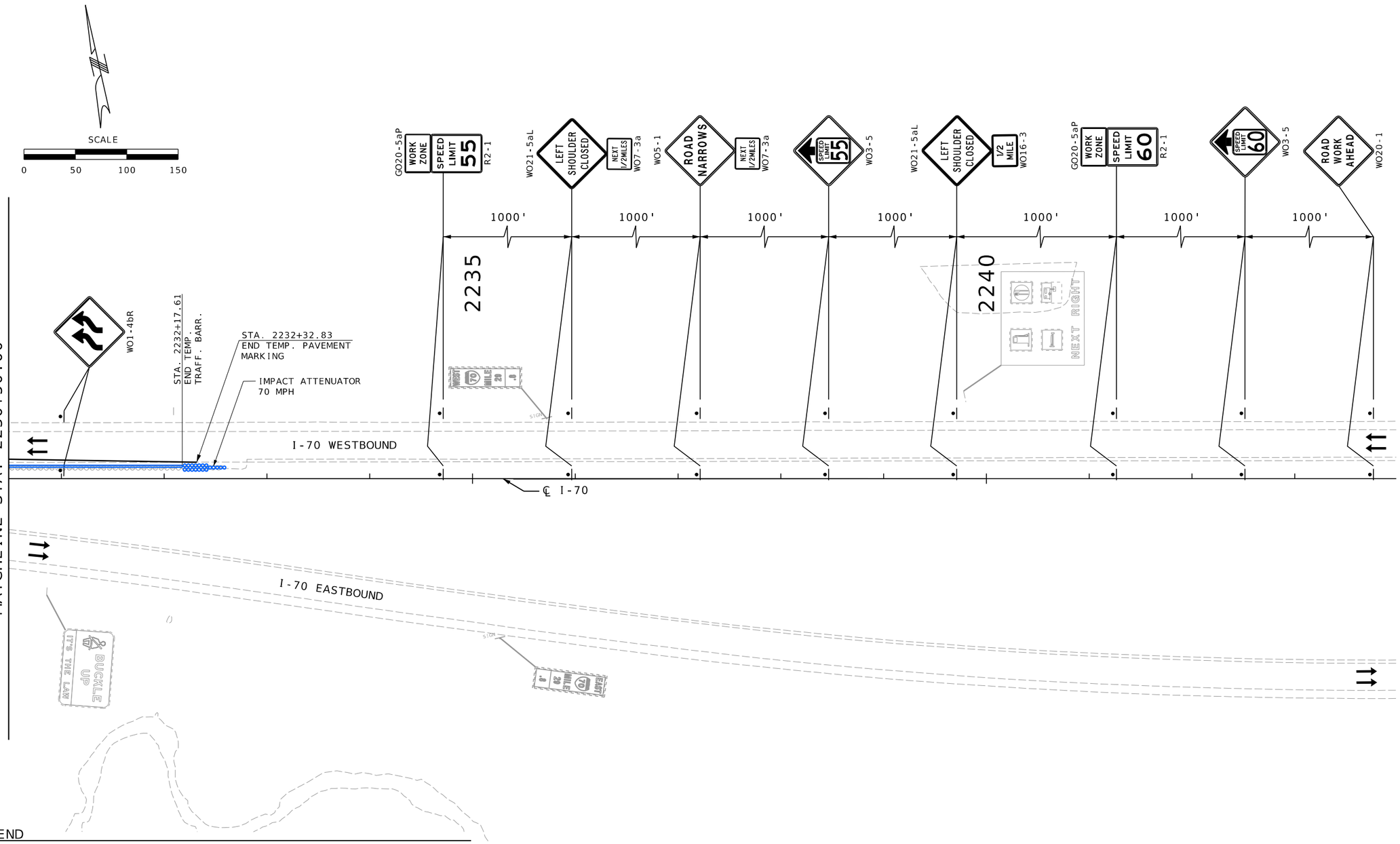
DISTRICT	SHEET NO.
KC	2-MT04

COUNTY: JACKSON
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.:

NO.	APPD. BY	DATE	REVISIONS
A	JAL	09/08/25	EARLY BRIDGE PACKAGE - FINAL PLANS
1	JAL	09/12/25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599
WILSON & COMPANY



LEGEND

- WORK ZONE
- PERMANENT IMPROVEMENTS
- TEMPORARY IMPROVEMENTS
- CHANNELIZER
- DIRECTION INDICATOR BARRICADE
- PERMANENT PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS PHASE
- TEMPORARY CONCRETE SAFETY BARRIER
- TYPE 3 BARRICADE
- DIRECTION OF TRAFFIC FLOW

MAINTENANCE OF TRAFFIC
HORSESHOE CREEKS - PHASE 1
STA. 2230+50 TO STA. 2244+00

STATE OF MISSOURI
JONATHAN A LOEPP
NUMBER PE-2023041060
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/15/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	2-MT05

COUNTY
JACKSON

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.

NO.	APPD. BY	DATE	REVISIONS
A	JAL	09/08/25	EARLY BRIDGE PACKAGE - FINAL PLANS
1	JAL	09/12/25	EARLY BRIDGE PACKAGE - FINAL PLANS

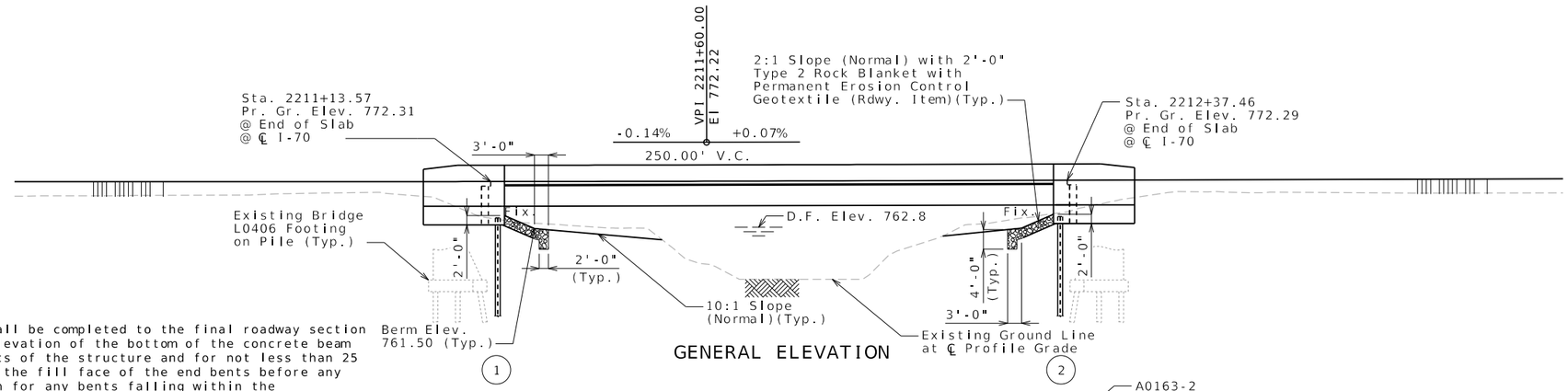
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599
WILSON & COMPANY

SEG2_MT_05_JST0019_I50_HORSESHOE_WC.dgn 8:50:20 PM 9/15/2025

SEC/SUR 34 TWP 49N RGE 29W

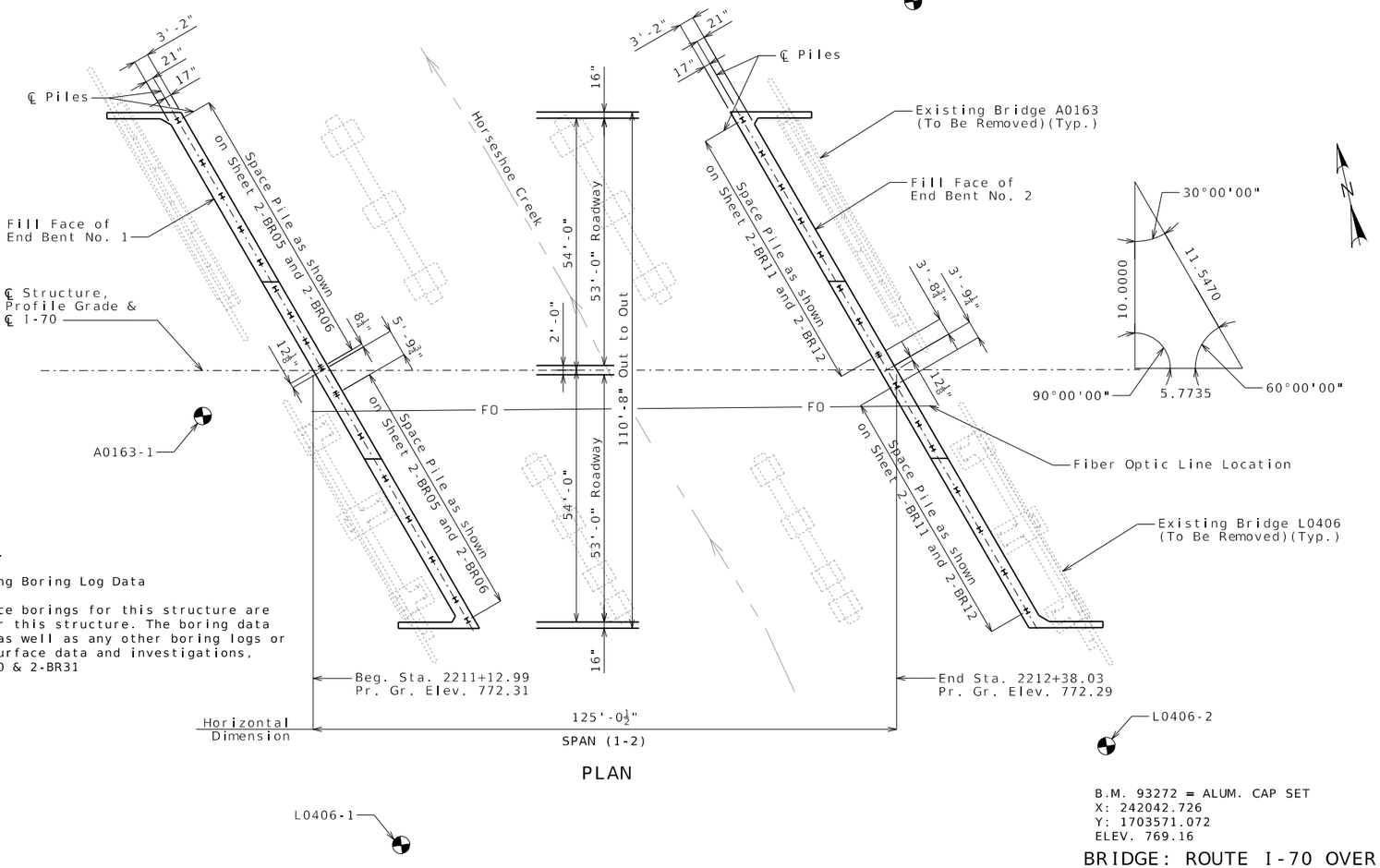
(121') PRESTRESSED CONCRETE NU-GIRDER SPAN



Roadway fill shall be completed to the final roadway section and up to the elevation of the bottom of the concrete beam within the limits of the structure and for not less than 25 feet in back of the fill face of the end bents before any piles are driven for any bents falling within the embankment section.

GENERAL ELEVATION

A0163-2



PLAN

Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations, are shown on Sheets No. 2-BR30 & 2-BR31

B.M. 93272 = ALUM. CAP SET
X: 242042.726
Y: 1703571.072
ELEV. 769.16

BRIDGE: ROUTE I-70 OVER HORSESHOE CREEK

ROUTE I-70 FROM COUNTY LINE TO ROUTE D
ABOUT 0.16 MILES E OF COUNTY LINE
BEGIN STATION 2211+12.99

Designed JULY 2025
Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NOVEMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR01

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9741

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	06/17/25	EARLY BRIDGE PACKAGE 60% PLANS
B	JMD	08/13/25	EARLY BRIDGE PACKAGE FINAL PLANS
C	JMD	09/08/25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09/12/25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

REV.

Estimated Quantities for Slab on Concrete NU-Girder

Item		Total
Class B-2 Concrete	cu. yard	558
Reinforcing Steel (Epoxy Coated)	pound	136,340

Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

Slab shall be cast-in-place with stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

All concrete above the construction joint in the end bents is included in the Estimated Quantities for Slab on Concrete NU-Girder.

All reinforcement in the end bents is included in the Estimated Quantities for Slab on Concrete NU-Girder.

Hydrologic Data

Drainage Area = 7.6 mi²
Design Flood Frequency = 100 years
Design Flood Discharge = 3600 cfs
Design Flood (D.F.) Elevation = 762.8
Estimated Backwater = 0.4 ft
Average Velocity thru Opening = 7.5 ft/s
Freeboard (50-year)
Freeboard = 3.9 ft
Roadway Overtopping
Overtopping Flood Discharge = N/A
Overtopping Flood Frequency = >500 years
500-Year Flood Elevation = 764.5

Foundation Data

Type	Design Data		Bent Number 1	Bent Number 2
Load Bearing Pile	Pile Type and Size		HP12x53	HP12x53
	Number	ea	16	15
	Approximate Length per Each	ft	39	34
	Pile Point Reinforcement	ea	All	All
	Min. Galvanized Penetration (Elev.)		Full Length	Full Length
	Pile Driving Verification Method		DT	DT
	Resistance Factor		0.65	0.65
	Minimum Nominal Axial Compressive Resistance	kip	416	416

DT = Dynamic Testing

Load Bearing Pile:
Minimum Nominal Axial Compressive Resistance = $\frac{\text{Maximum Factored Loads}}{\text{Resistance Factor}}$

Minimum Nominal Axial Comprehensive Resistance value based on the critical individual pile.

All piles shall be galvanized down to the minimum galvanized penetration (elevation).

Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

All piles are anticipated to be driven to refusal on rock. Review all borings for depth of rock and restrict driving as appropriate to comply with hard rock driving criteria in accordance with Sec 702.When pile refusal on rock occurs, as approved by the engineer, the minimum nominal axial compressive resistance is verified and no additional pile driving verification method is required.

The contractor shall make every effort to achieve the minimum galvanized penetration (elevation) shown on the plans for all piles. Deviations in penetration less than 5 feet of the minimum will be considered acceptable provided the contractor makes the necessary corrections to ensure the minimum penetration is achieved on subsequent piles.

GENERAL NOTES:

Design Specifications:

2020 AASHTO LRFD Bridge Design Specifications, (9th Ed.)
Seismic Design Category = A (Nonseismic)
Design earthquake response spectral acceleration coefficient at 1.0 second period, SD1 = 0.064g
Acceleration Coefficiant (effective peak ground acceleration coefficient), As = 0.040g
Operational Importance Factor = 1.05.

Design Loadings:

Vehicular= HL-93
Future Wearing Surface = 35 lb/sf
Earth = 120 lb/cf, Equivalent Fluid Pressure = 45 lb/cf (minimum)
Superstructure: Non-Composite for dead load.
Composite for live load.

Design Unit Stresses:

Class B Concrete (Substructure)	f'c = 3,000 psi
Class B-1 Concrete (Barrier)	f'c = 4,000 psi
Class B-2 Concrete (Superstructure, except Prestressed Girders and Barrier)	f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60)	fy = 60,000 psi
Structural Steel HP Pile (ASTM A709 Grade 50)	fy = 50,000 psi

For Prestressed Girder Stresses, See Sheet No. 2-BR16.

Neoprene Pads:

Neoprene Bearing Pads shall be 60 durometer and shall be in accordance with Sec 716.

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Standard Plans:

617.10 for Type C Barrier

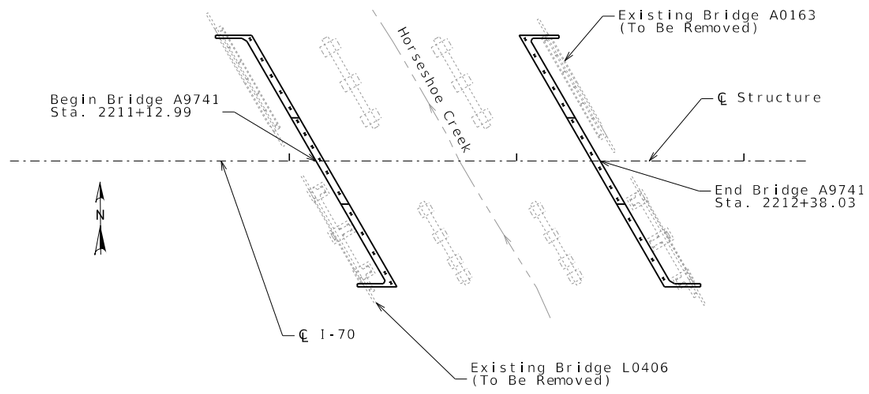
Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

Traffic Control:

Traffic to be maintained on structures during construction. See roadway plans for traffic control and Sheets No. 2-BR03 and 2-BR04 for staged construction details.



LOCATION SKETCH

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

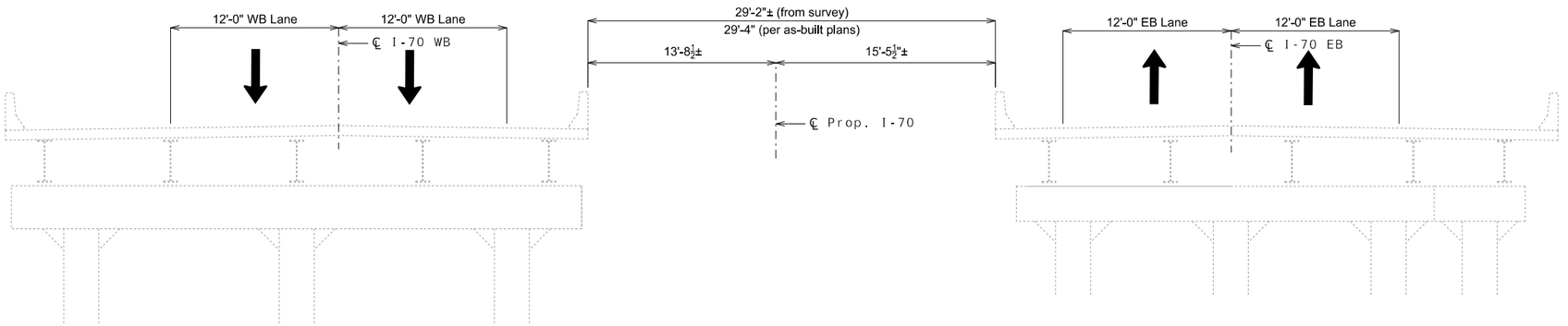
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR02
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

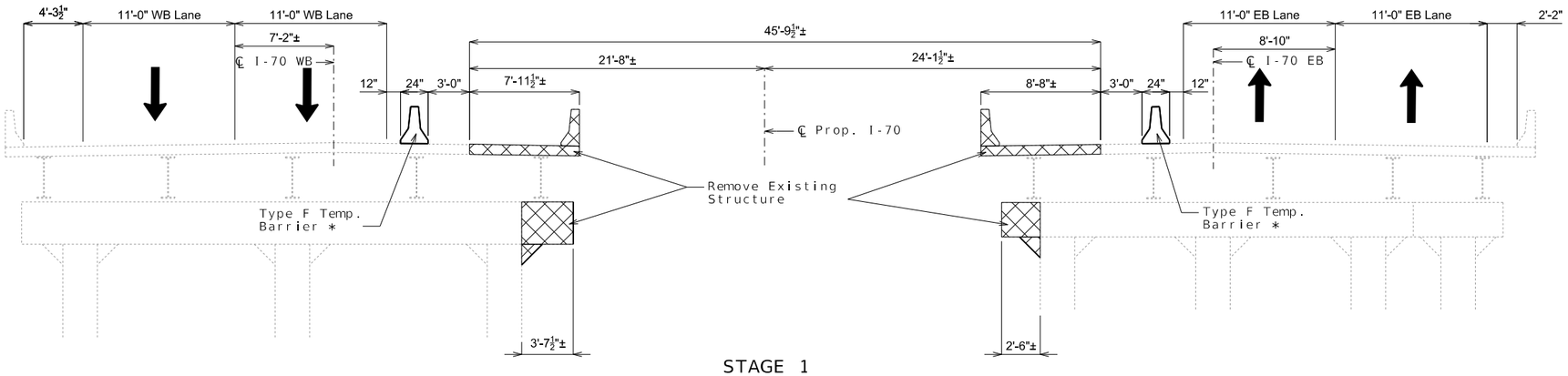
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

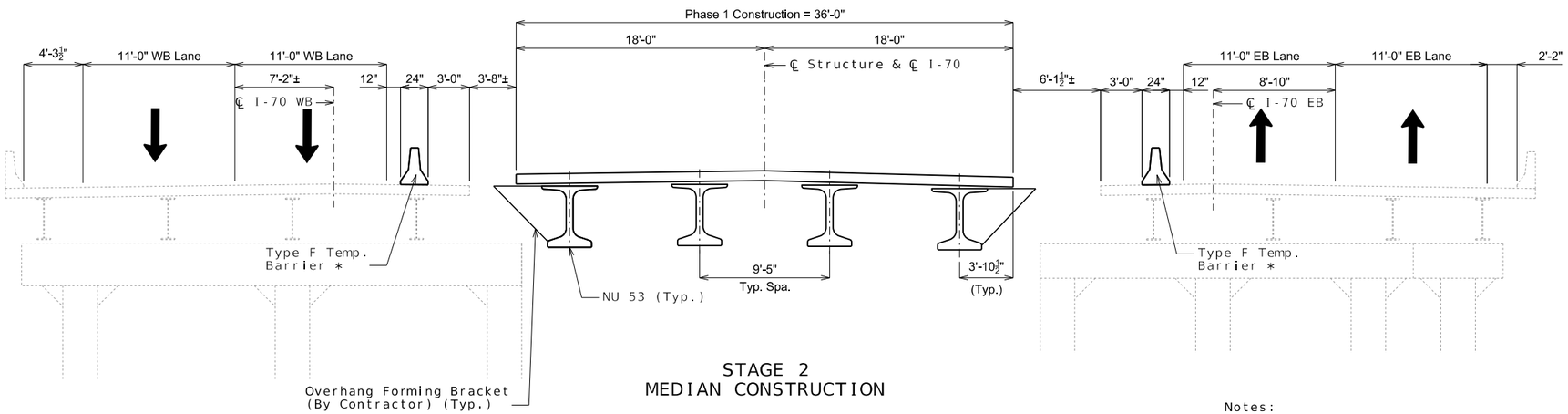
Consult Inc engineers planners
7733 N. Wallace Ave. - Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



EXISTING



STAGE 1
MODIFY EXISTING



STAGE 2
MEDIAN CONSTRUCTION

STAGED CONSTRUCTION DETAILS

Notes:

* Temporary barrier shall not be attached to the bridge.

See Missouri Standard Plans 617.20 for details of temporary Type F Barrier not shown.

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR03

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

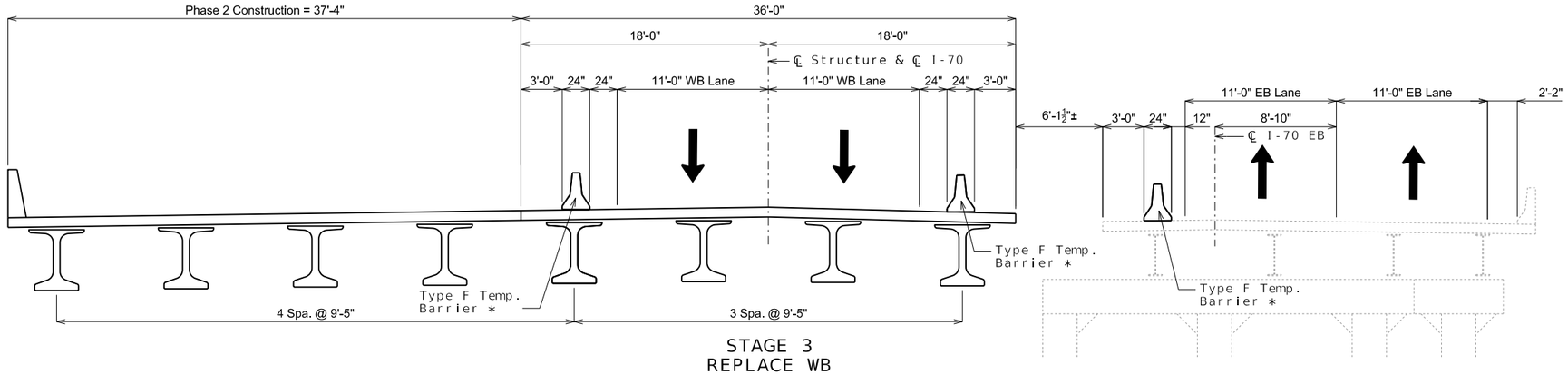
BRIDGE NO.
A9741

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

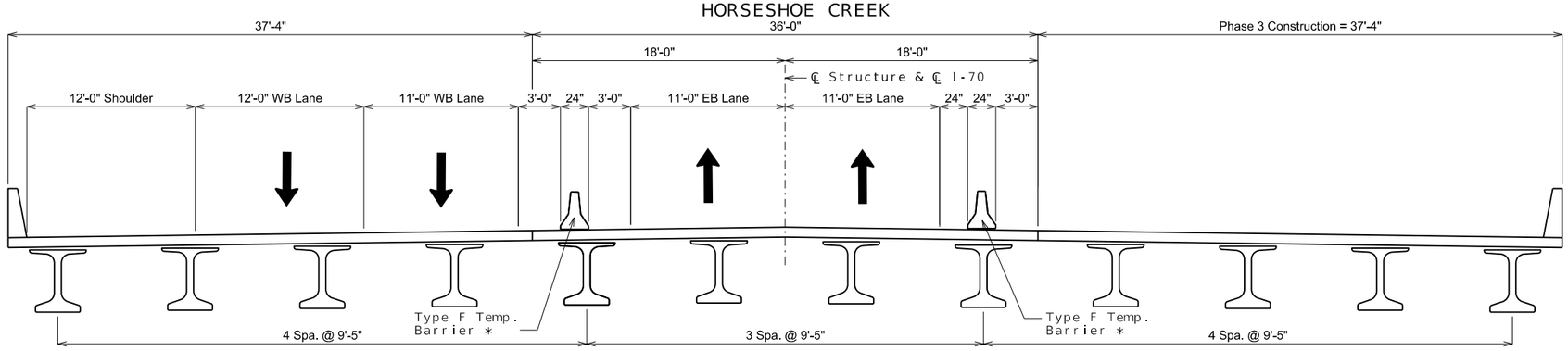
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

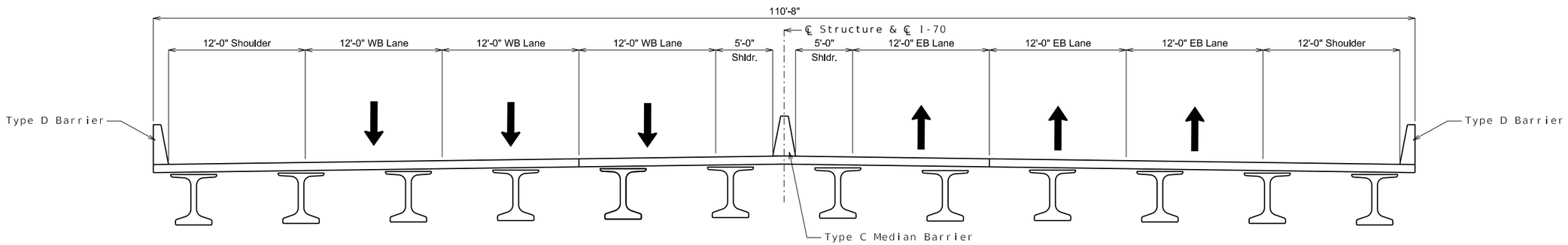


STAGE 3
REPLACE WB

HORSESHOE CREEK



STAGE 4
REPLACE EB



FINAL

Notes:

* Temporary barrier shall not be attached to the bridge.

See Missouri Standard Plans 617.20 for details of temporary Type F Barrier not shown.

STAGED CONSTRUCTION DETAILS

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR04

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

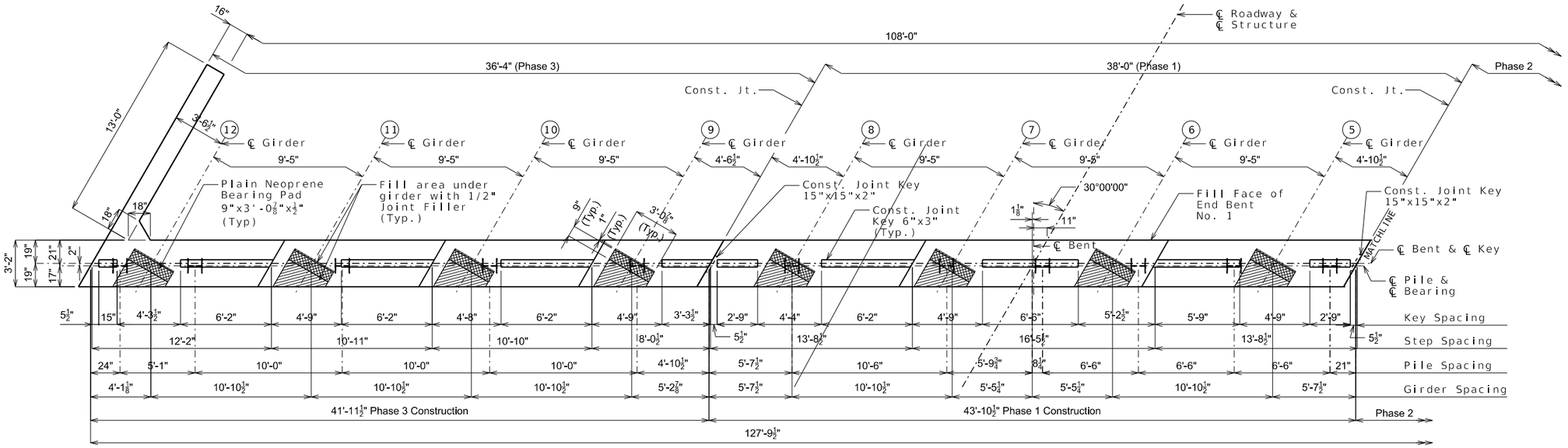
BRIDGE NO.
A9741

REVISIONS

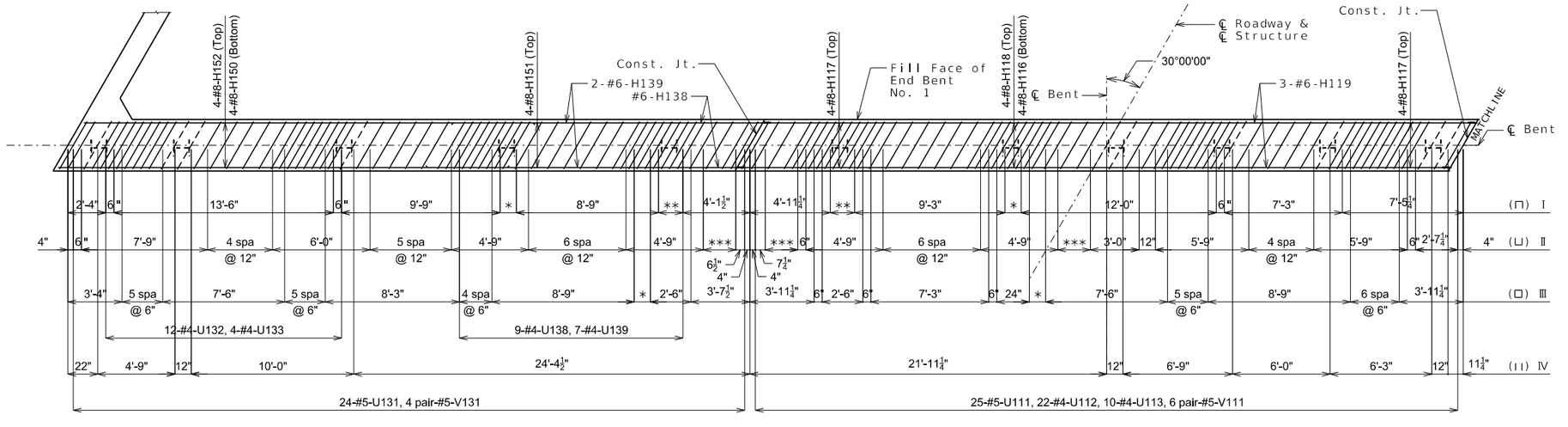
NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



PLAN OF BEAM - PHASE 1 & 3



PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 1 & 3

(Keys & Steps not shown for clarity)

* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"

I - #4-U113, U133, U139 space as shown
II - #5-U111, U131 space as shown
III - #4-U112, U132, U138 space as shown
IV - Pairs of #5-V111, V131 space as shown

Notes:

Work this sheet with Sheets No. 2-BR06, 2-BR07, 2-BR08 & 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

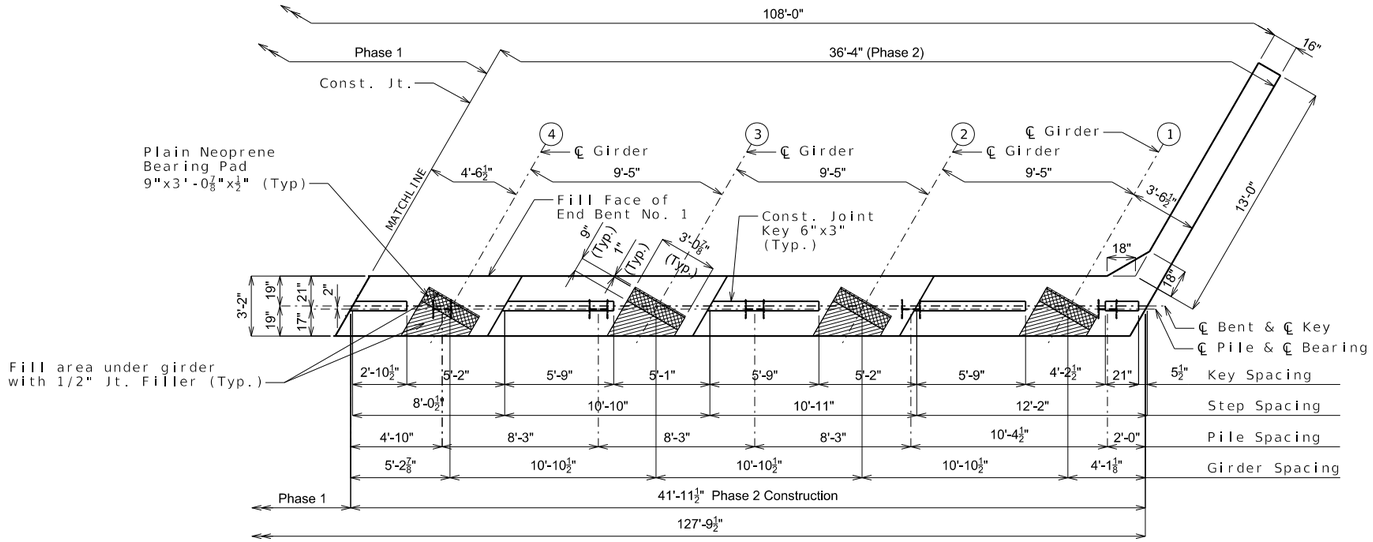
STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR05
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

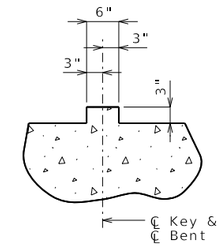
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

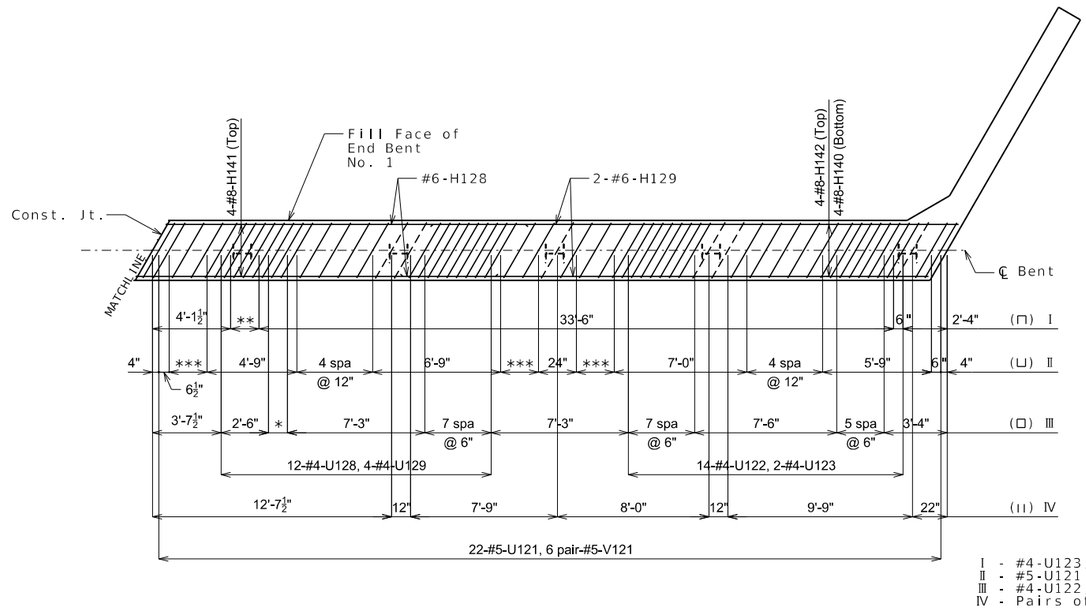
Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64152 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



PLAN OF BEAM - PHASE 2



SECTION THRU KEY

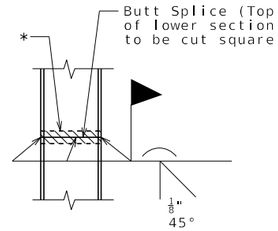


I - #4-U123, U129 space as shown
II - #5-U121 space as shown
III - #4-U122, U128 space as shown
IV - Pairs of #5-V121 space as shown

PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 2

(Keys & Steps not shown for clarity)

* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"



STEEL PILE SPLICE

(If required)

* Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.

Notes:

Work this sheet with Sheets No. 2-BR05 thru 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUDITH M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR06

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

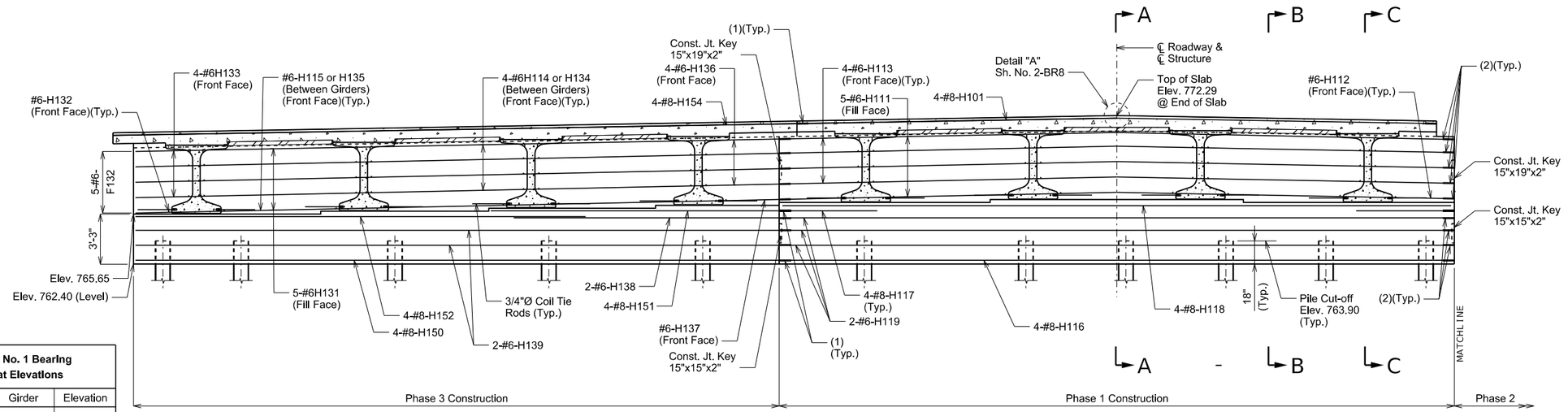
BRIDGE NO.
A9741

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720

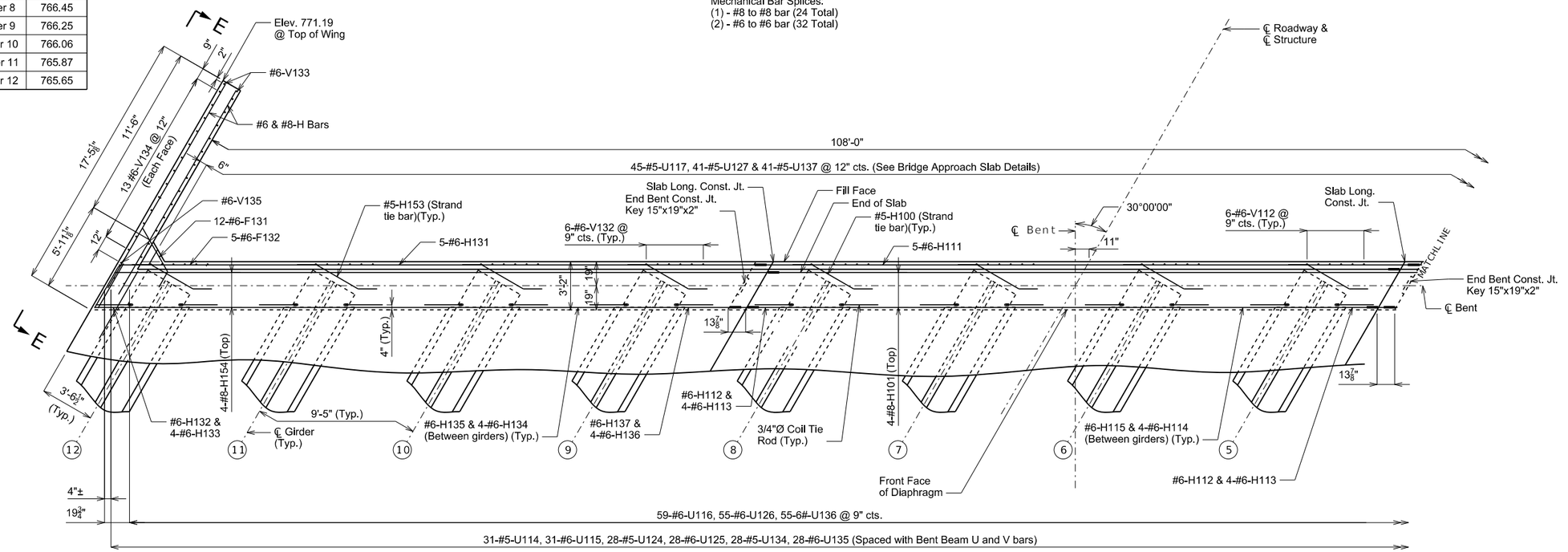


SECTION NEAR END BENT - PHASE 1 & 3

Mechanical Bar Splices:
(1) - #8 to #8 bar (24 Total)
(2) - #6 to #6 bar (32 Total)

Bent No. 1 Bearing Seat Elevations

Phase	Girder	Elevation
Phase 1	Girder 5	766.46
	Girder 6	766.64
	Girder 7	766.64
	Girder 8	766.45
Phase 3	Girder 9	766.25
	Girder 10	766.06
	Girder 11	765.87
	Girder 12	765.65



PART PLAN - PHASE 1 & 3

Notes:

Work this sheet with Sheets No. 2-BR05, 2-BR06, 2-BR08 & 2-BR09

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Sections A-A, B-B & C-C and Elevation E-E, see Sheet No. 2-BR09.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

Notes (cont.):

The #6-F131 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H100 & H153 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR25.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

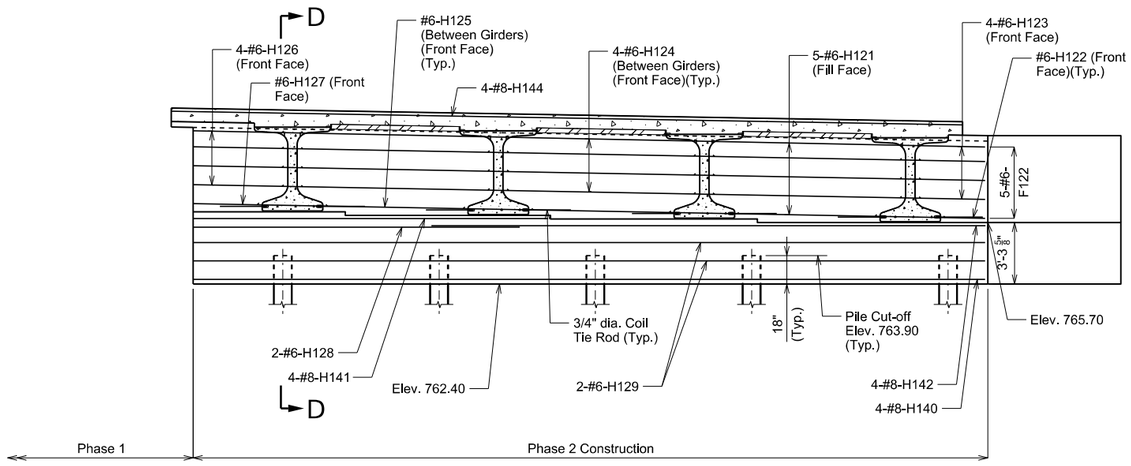
STATE OF MISSOURI
JUSTIN M. DAMS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR07
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

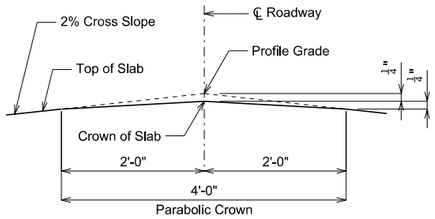
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720

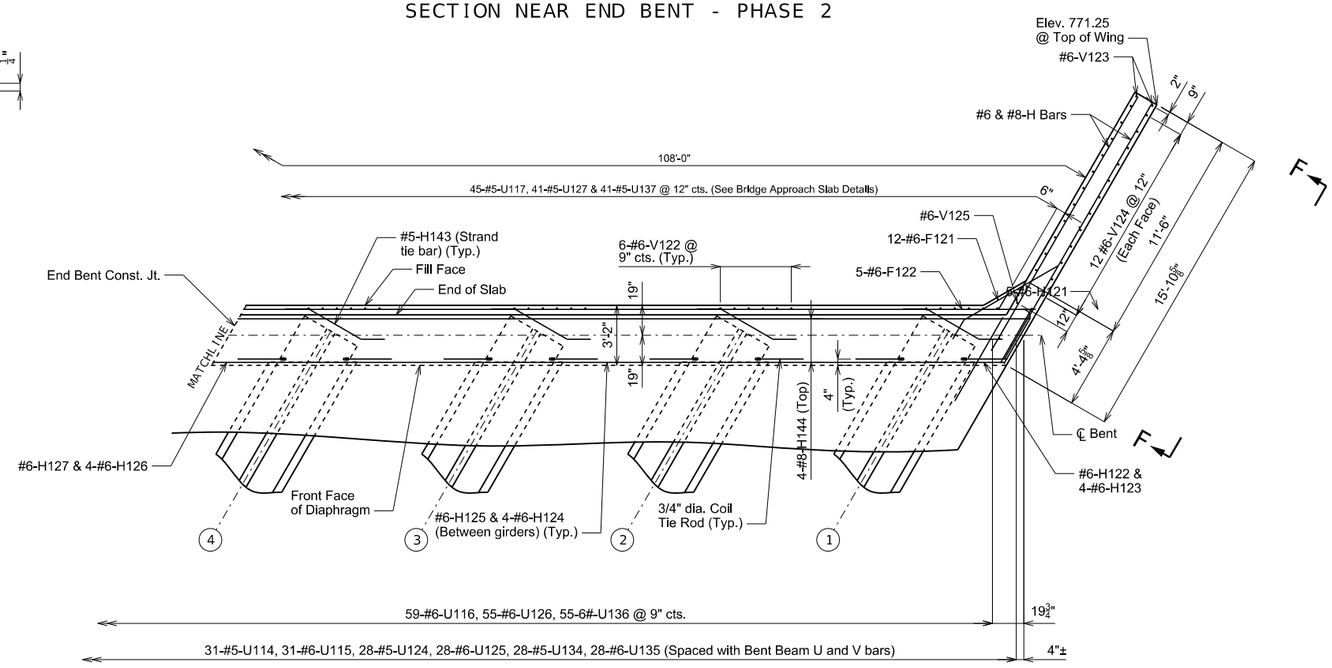


SECTION NEAR END BENT - PHASE 2

Bent No. 1 Bearing Seat Elevations		
Phase	Girder	Elevation
Phase 2	Girder 1	765.70
	Girder 2	765.91
	Girder 3	766.09
	Girder 4	766.27



DETAIL A



PART PLAN - PHASE 2

Notes:

Work this sheet with Sheets No. 2-BR05, 2-BR06, 2-BR07 & 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Section D-D & Elevation F-F, see Sheet No. 2-BR09.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

Notes (cont.):

The #6-F121 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H143 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR25.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

SEG2_B_A9741_002-BR08_JST0019_END BENT 1-4.dgn 9:17:27 PM 9/12/2025

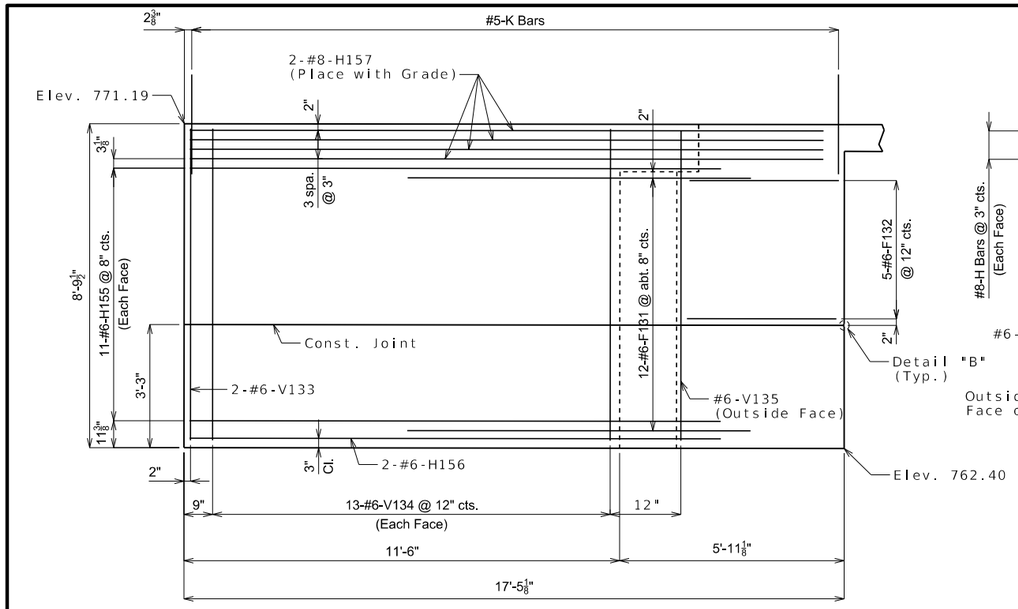
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR08
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

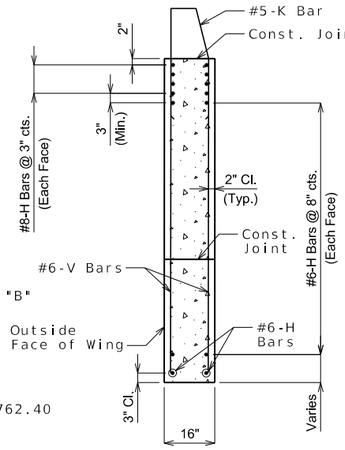
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

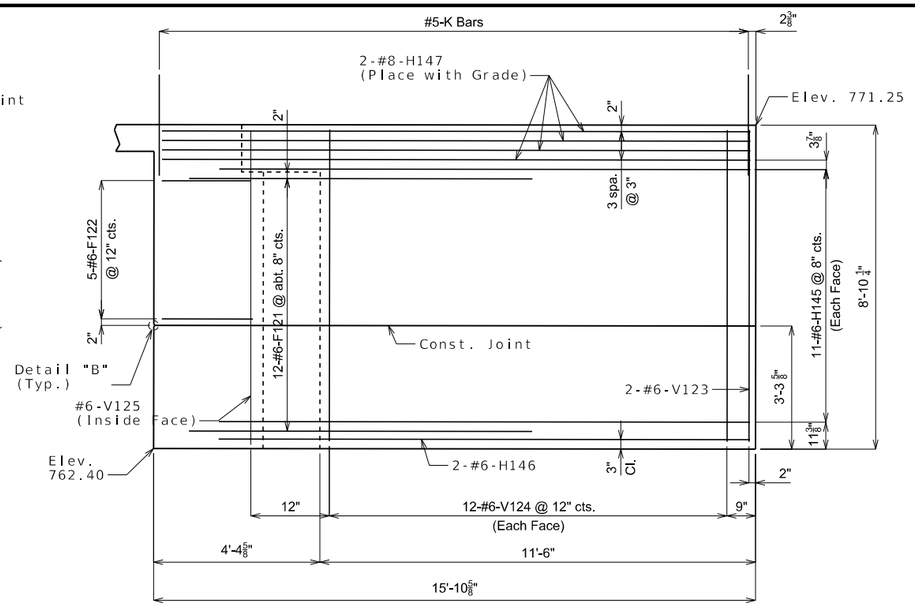
Consult engineers Inc planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



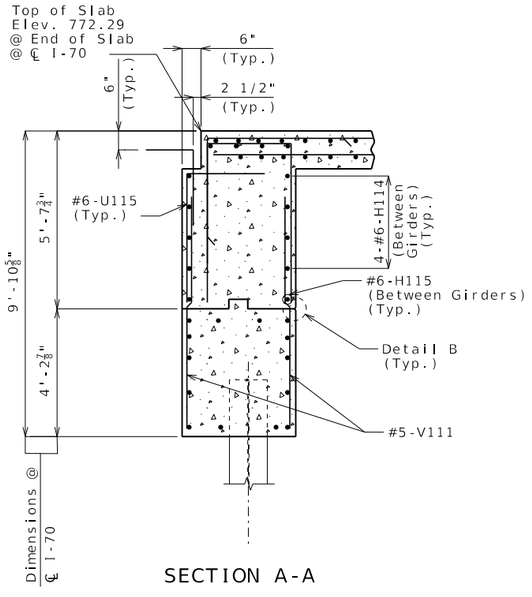
ELEVATION E-E



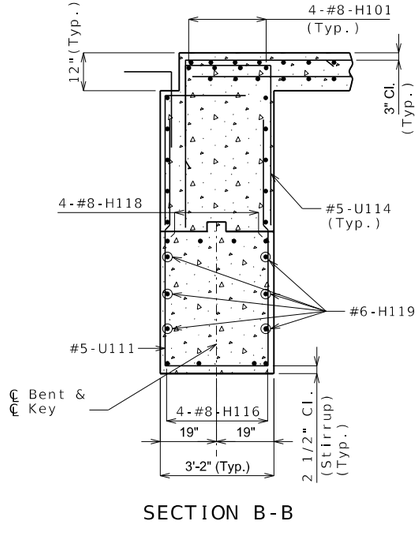
TYPICAL SECTION THRU WING



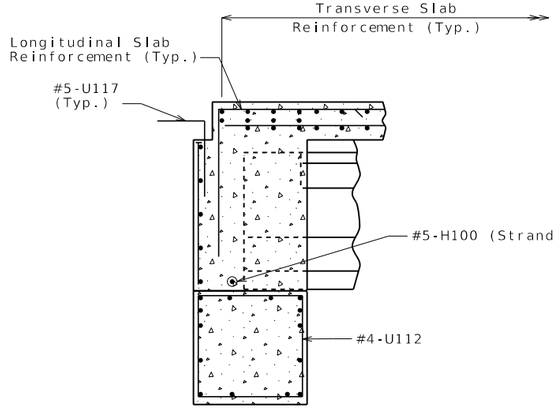
ELEVATION F-F



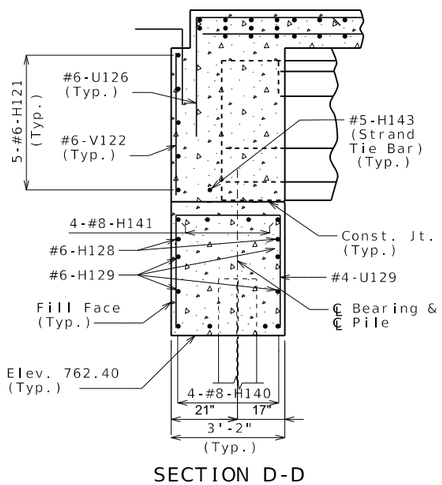
SECTION A-A



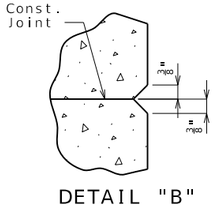
SECTION B-B



SECTION C-C



SECTION D-D



DETAIL "B"

Notes:

Work this sheet with Sheets No. 2-BR05 thru 2-BR08.

For locations of Sections A-A, B-B, C-C & D-D and Elevations E-E and F-F, see Sheets No. 2-BR07 and 2-BR08.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

For details and reinforcement of Barrier not shown, see Sheet No. 2-BR24.

The #6-F121 & #6-F131 bars shall be bent in the field to clear girders.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

JUSTIN M. JAMES NUMBER PE-2007020256 PROFESSIONAL ENGINEER STATE OF MISSOURI

DATE PREPARED 9/12/2025

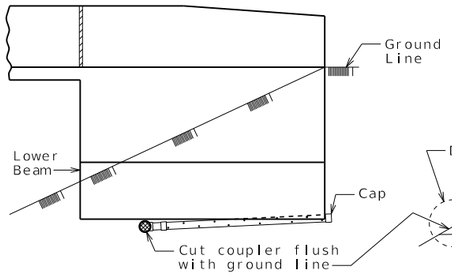
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR09

COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9741

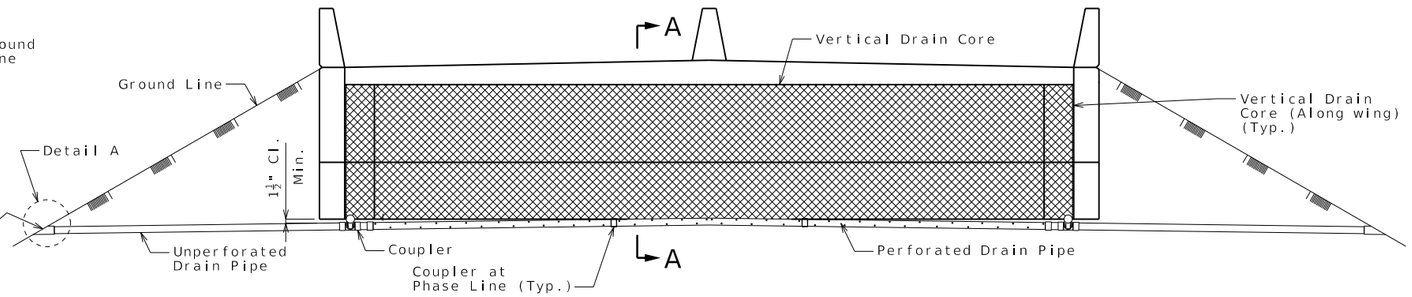
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

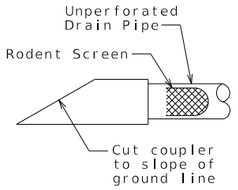
Hg CONSULT, INC.
PRO. ENGINEER 2010005873
3733 N. Wallace Ave.; Kansas City, MO 64151 (816)912-4720



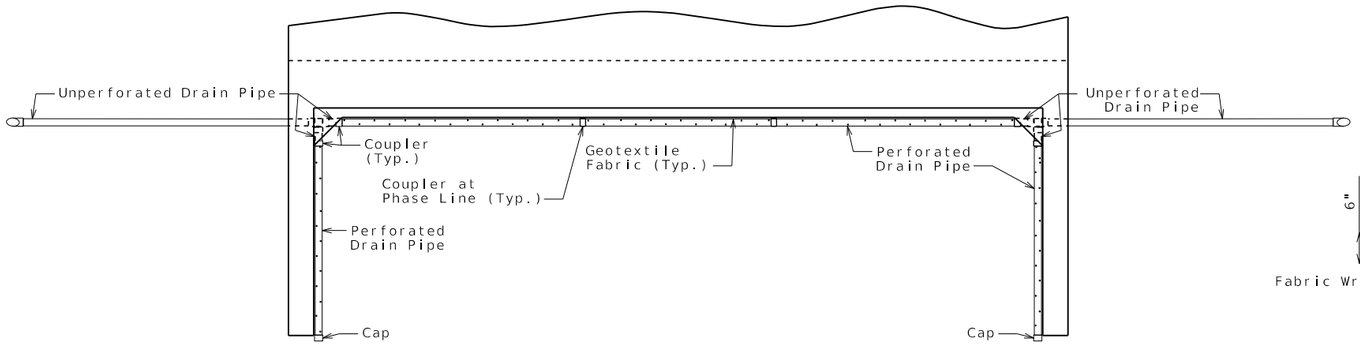
ELEVATION OF WING



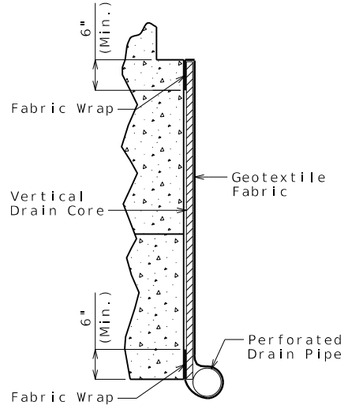
ELEVATION OF END BENT



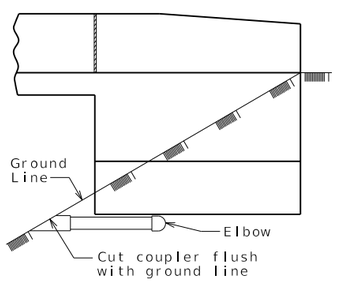
DETAIL A



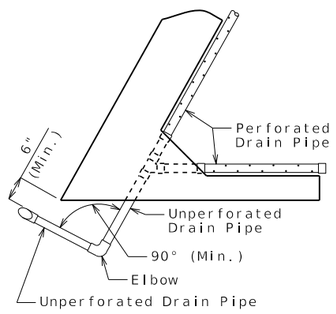
PLAN OF END BENT



PART SECTION A-A
(Section thru wing similar)



ELEVATION OF WING



PART PLAN

OPTIONAL TURNED DRAIN
(Use only when straight drain is not practical.)

General Notes:

All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

VERTICAL DRAIN AT END BENTS

(Squared end bent shown, skewed end bent similar)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

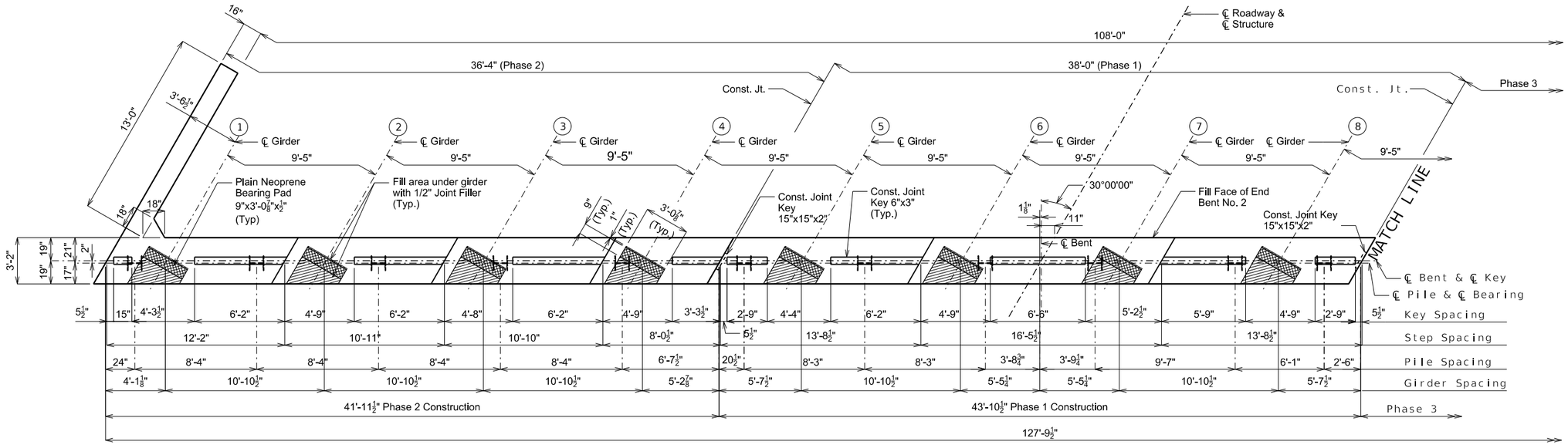
DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR10
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

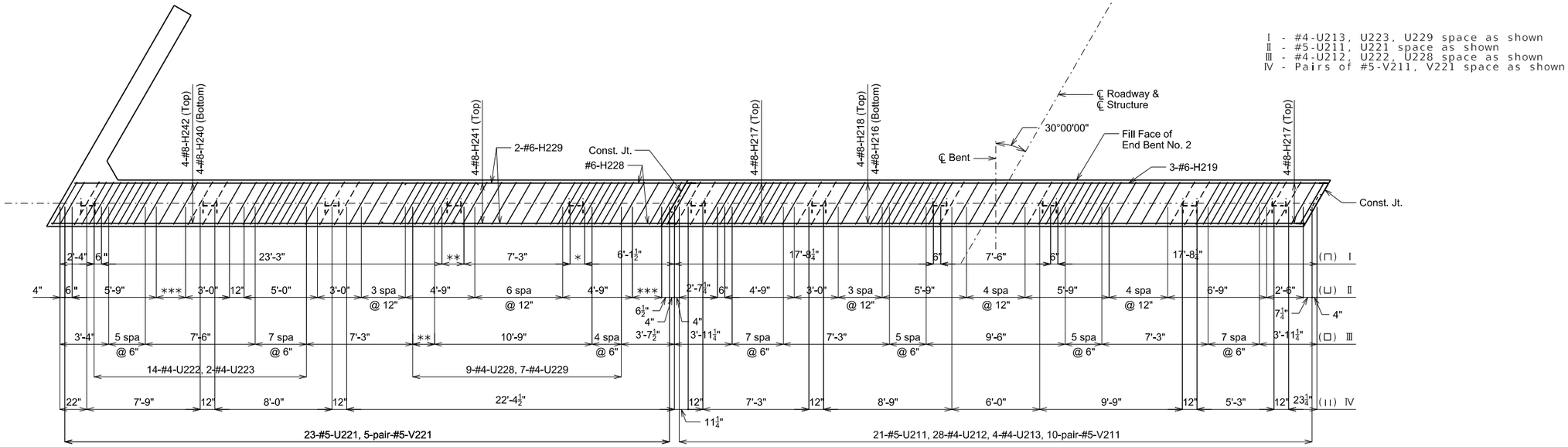
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. - Kansas City, MO 64152 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

REV.



PLAN OF BEAM - PHASE 1 & 2



* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"

PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 1 & 2
(Keys & Steps not shown for clarity)

Notes:

Work this sheet with Sheets No. 2-BR12 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

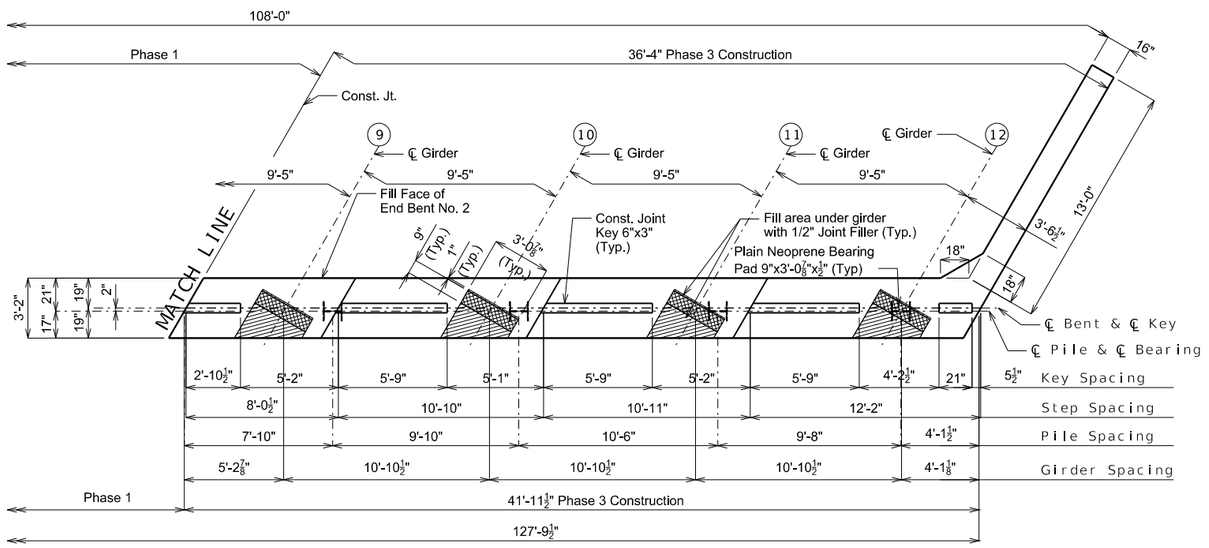
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR11
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

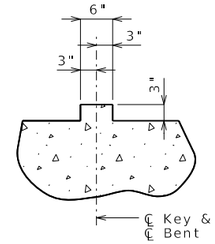
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

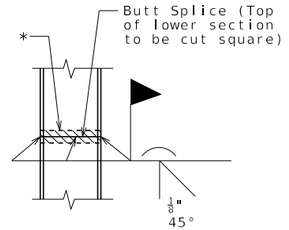
Consult Inc engineers planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



PLAN OF BEAM - PHASE 3



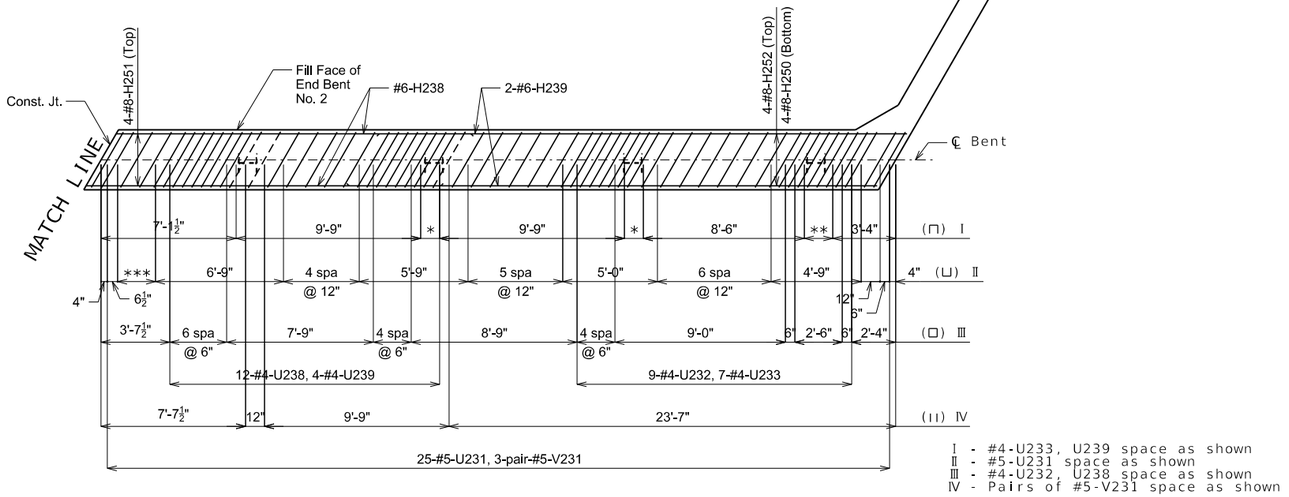
SECTION THRU KEY



STEEL PILE SPLICE

(If required)

* Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.



I - #4-U233, U239 space as shown
II - #5-U231 space as shown
III - #4-U232, U238 space as shown
IV - Pairs of #5-V231 space as shown

* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"

PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 3

(Keys & Steps not shown for clarity)

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

JUSTIN M. JAMES NUMBER PE-2007020256 PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR12

COUNTY: LAFAYETTE

JOB NO.: JST0019

CONTRACT ID.: 250507-C01

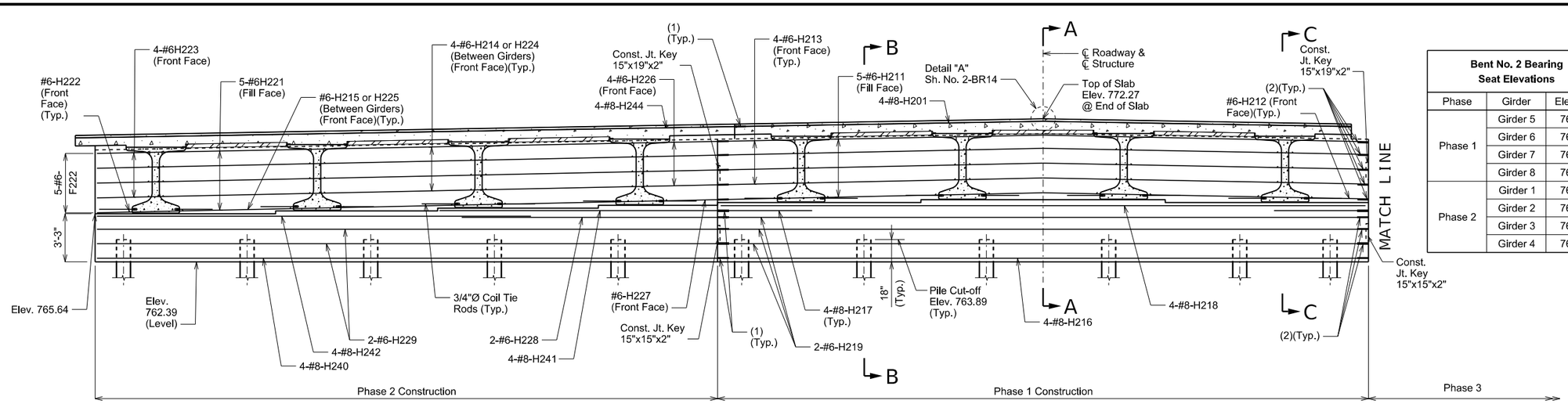
PROJECT NO.:

BRIDGE NO.: A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

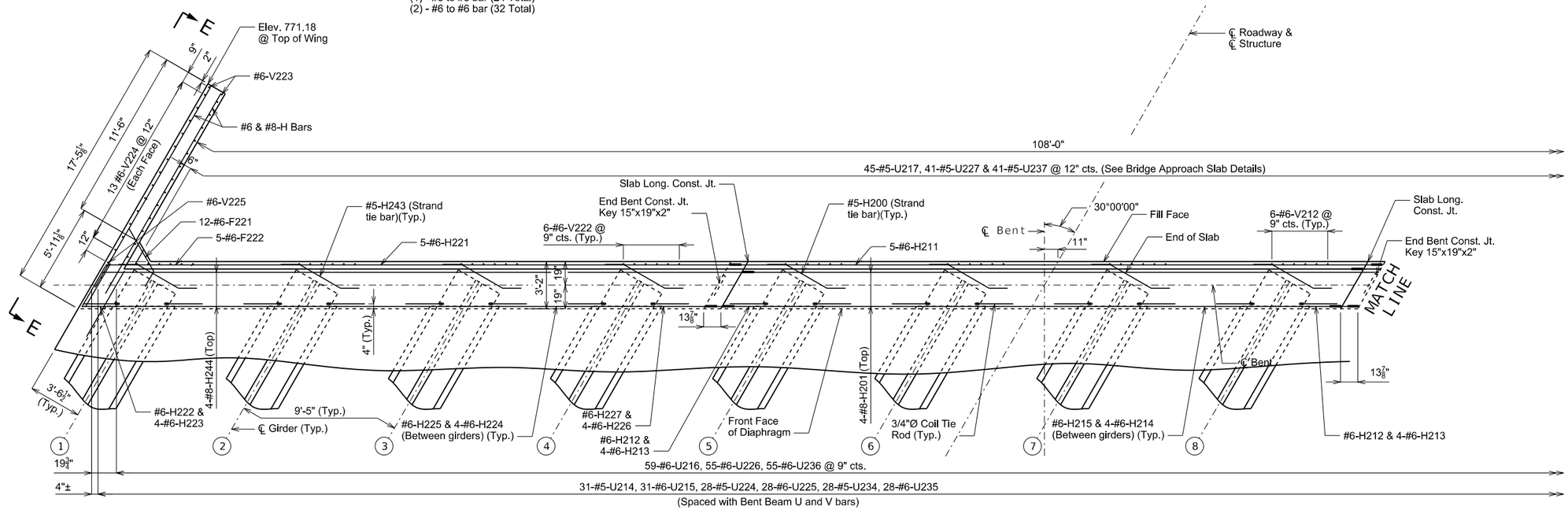
Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



Bent No. 2 Bearing Seat Elevations		
Phase	Girder	Elevation
Phase 1	Girder 5	766.43
	Girder 6	766.62
	Girder 7	766.62
	Girder 8	766.43
Phase 2	Girder 1	765.64
	Girder 2	765.86
	Girder 3	766.05
	Girder 4	766.24

Mechanical Bar Splices:
(1) - #8 to #8 bar (24 Total)
(2) - #6 to #6 bar (32 Total)

SECTION NEAR END BENT - PHASE 1 & 2



PART PLAN - PHASE 1 & 2

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Sections A-A, B-B & C-C and Elevation E-E, see Sheet No. 2-BR15.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

Notes (cont.):

The #6-F221 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H200 & H243 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR25.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

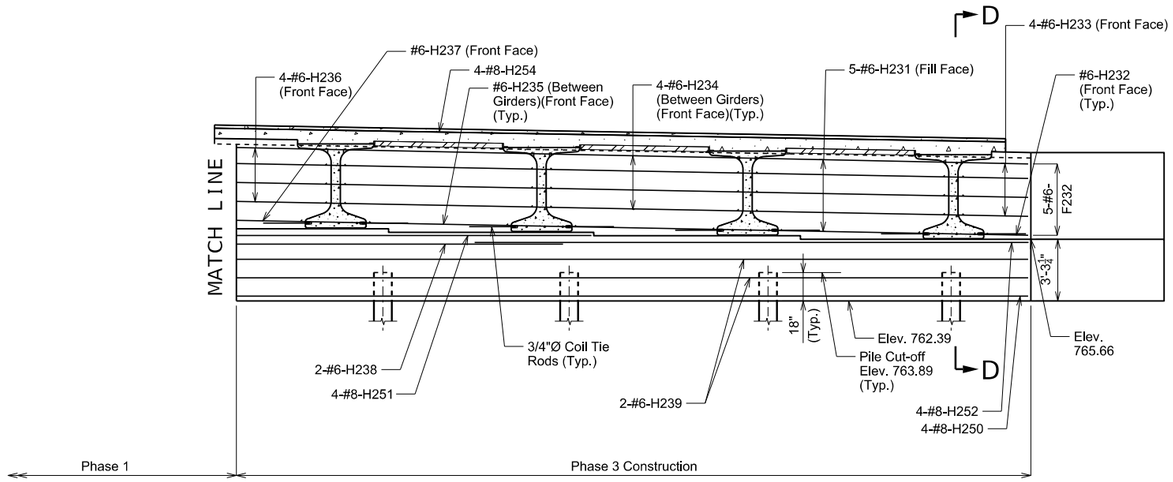
STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR13
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9741

NO.	DATE	APPD. BY	REVISIONS
A	08-13-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
B	09-08-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
1	09-12-25	JMD	EARLY BRIDGE PACKAGE - RFC PLANS

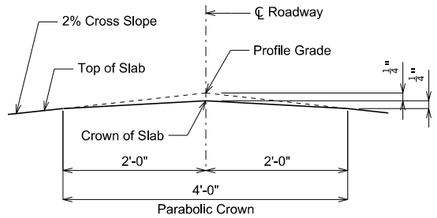
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720

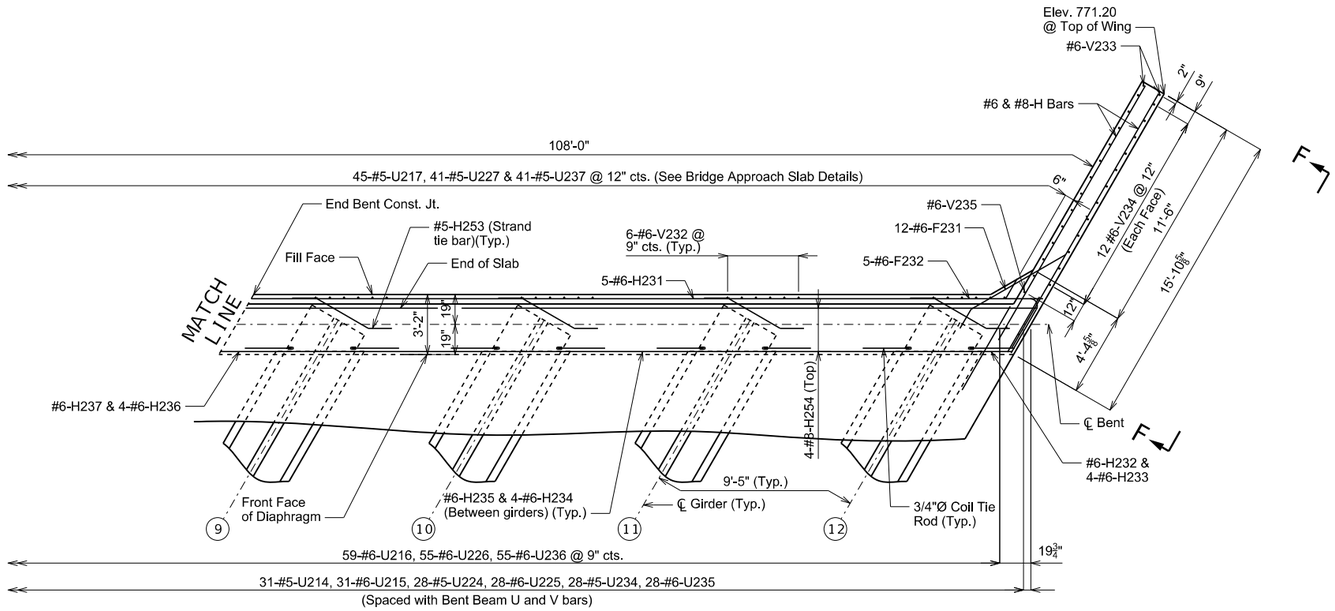


SECTION NEAR END BENT - PHASE 3

Bent No. 2 Bearing Seat Elevations		
Phase	Girder	Elevation
Phase 3	Girder 9	766.24
	Girder 10	766.06
	Girder 11	765.87
	Girder 12	765.66



DETAIL A



PART PLAN - PHASE 3

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Section D-D and Elevation F-F, see Sheet No. 2-BR15.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

The #6-F231 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H253 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR25.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

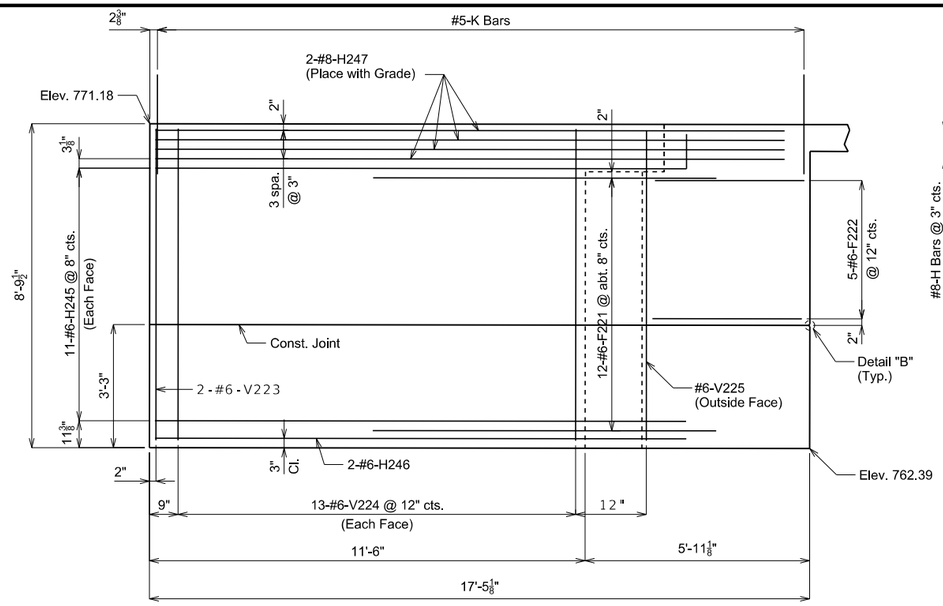
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER 2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR14
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

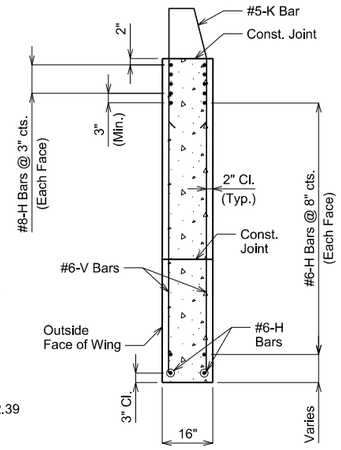
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

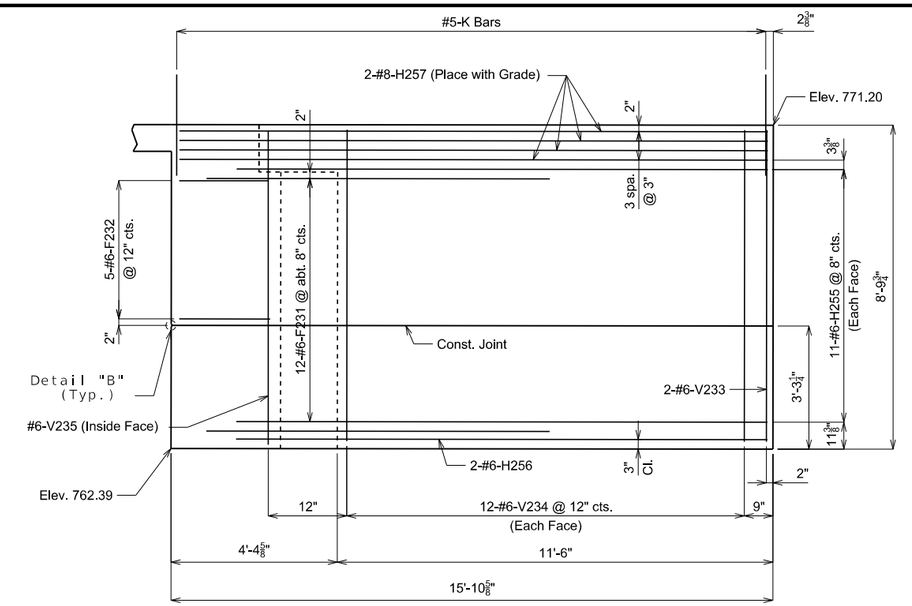
Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720



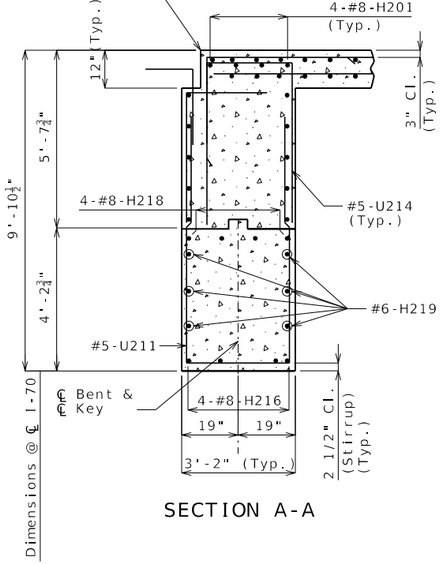
ELEVATION E-E



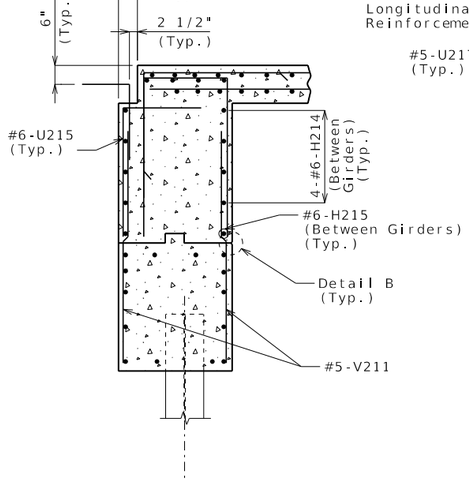
TYPICAL SECTION THRU WING



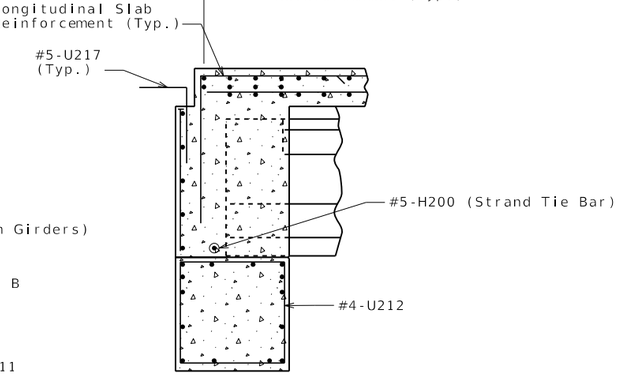
ELEVATION F-F



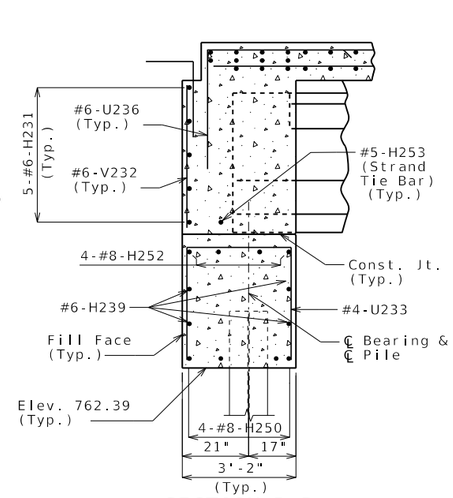
SECTION A-A



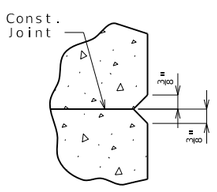
SECTION B-B



SECTION C-C



SECTION D-D



DETAIL "B"

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR14.

For locations of Sections A-A, B-B, C-C & D-D and Elevations E-E & F-F, see Sheets No. 2-BR13 & 2-BR14.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

For details and reinforcement of Barrier not shown, see Sheet No. 2-BR24.

The #6-F221 & #6-F231 bars shall be bent in the field to clear girders.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

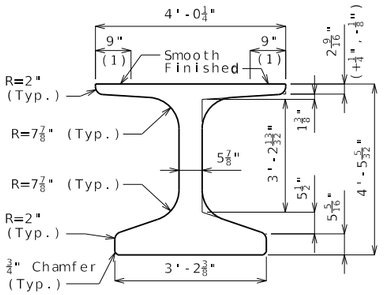
DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR15
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

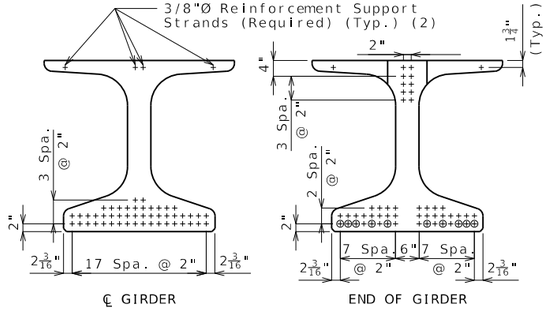
Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave. : Kansas City, MO 64152 (816)912-4720

(1) Fabricator shall apply a bond breaker to this region.

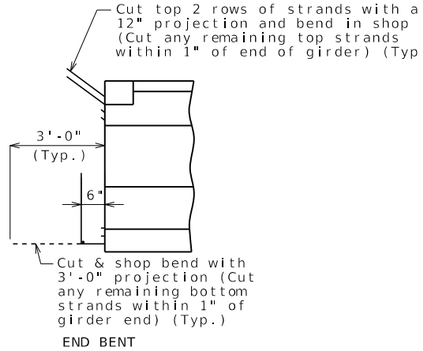


DIMENSIONS

(2) Outer strands tensioned to 2.02 kips/strand and inner strands to 8 kips/strand. Placed symmetrical about ℄ Girder. May be moved laterally in pairs.



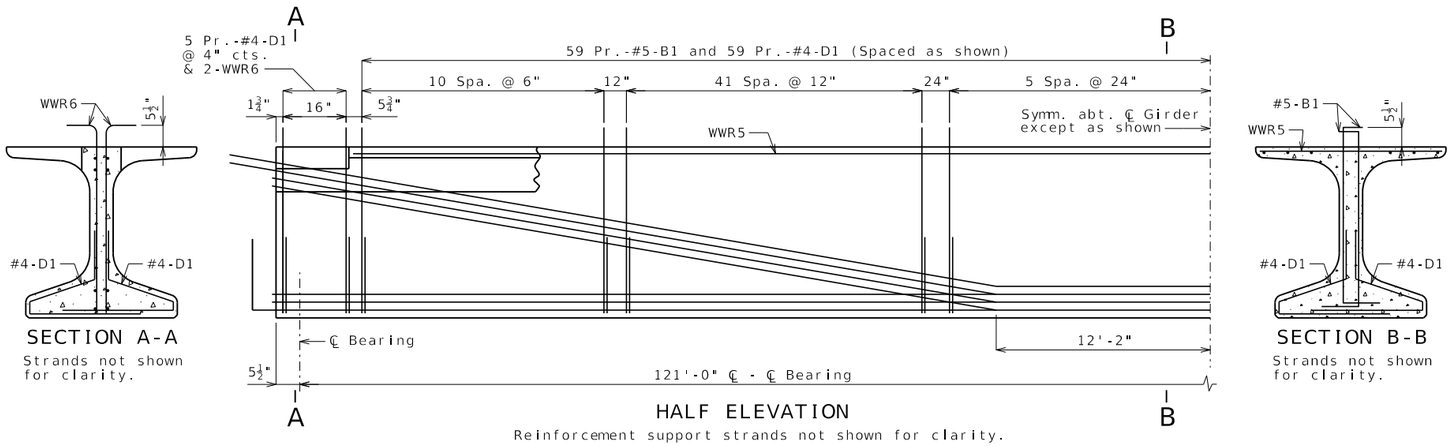
STRAND ARRANGEMENT



STRANDS AT GIRDER ENDS

\+ Indicates prestressing strand.

○ Indicates cut & shop bend with 3'-0" projection.



SECTION A-A

Strands not shown for clarity.

HALF ELEVATION

Reinforcement support strands not shown for clarity.

SECTION B-B

Strands not shown for clarity.

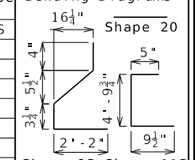
INTERIOR GIRDER AT ALL BENTS & EXTERIOR GIRDER AT END BENT

TOP FLANGE BLOCKOUT

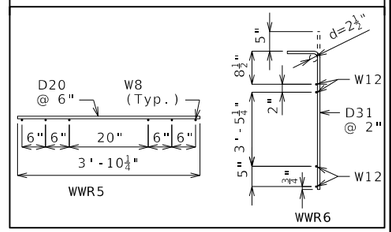
Mirror for right advanced.

Bill of Reinforcing Steel - Each Girder			
No.	Size/ Mark	Length	Shape
234	5 B1	5'-10"	11S
254	4 D1	4'-0"	9S
2	4 G3	4'-5"	20
8	4 G6	Varies	20

Bending Diagrams



Welded Wire Reinforcement - Each Girder



All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual bar lengths are measured along centerline of bar to the nearest inch.

Minimum clearance to reinforcing shall be one inch.

All bar reinforcement shall be Grade 60.

The two D1 bars may be furnished as one bar at the fabricator's option.

All B1 bars shall be epoxy coated.

General Notes:

Concrete for prestressed girders shall be Class A-1 with f'c = 9000 psi and f'ci = 7000 psi.

Use 48 strands, 0.6"Ø Grade 270, with an initial prestress force of 2109 kips.

Pretensioned members shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.

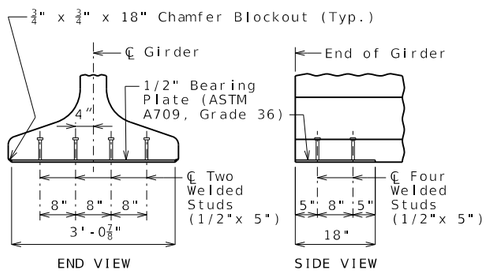
Exterior and interior girders are the same except: coil ties, coil inserts for slab drains, holes for steel intermediate diaphragms.

For Girder Camber Diagram, see Sheet No. 2-BR19.

The 1 1/2"Ø holes shall be cast in the web for steel intermediate diaphragms. Drilling is not allowed. For location of holes and details of steel intermediate diaphragms, see Sheet No. 2-BR17.

For location of coil inserts at slab drains, see Sheet No. 2-BR18.

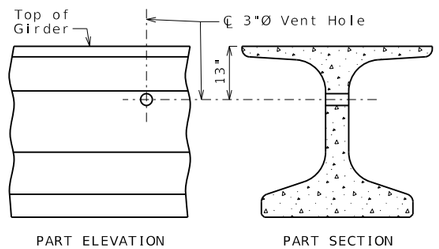
For location of coil ties at integral bents, see Sheets No. 2-BR07, 2-BR08, 2-BR13 and 2-BR14.



END VIEW

SIDE VIEW

BEARING PLATE

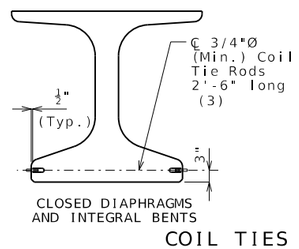


PART ELEVATION

PART SECTION

VENT HOLE

Place vent holes at or near upgrade 1/3 point of girders and clear reinforcing steel or strands by 1 1/2" minimum and steel intermediate diaphragm bolt connections by 6" minimum.



CLOSED DIAPHRAGMS AND INTEGRAL BENTS

COIL TIES

(3) 2'-3" at exterior face of exterior girders at end bents

NU-GIRDERS - SPAN (1-2)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI JUSTIN M. JAMES NUMBER PE-2007020256 PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

ROUTE I-70 | STATE MO

DISTRICT BR | SHEET NO. 2-BR16

COUNTY LAFAYETTE

JOB NO. JST0019

CONTRACT ID. 250507-C01

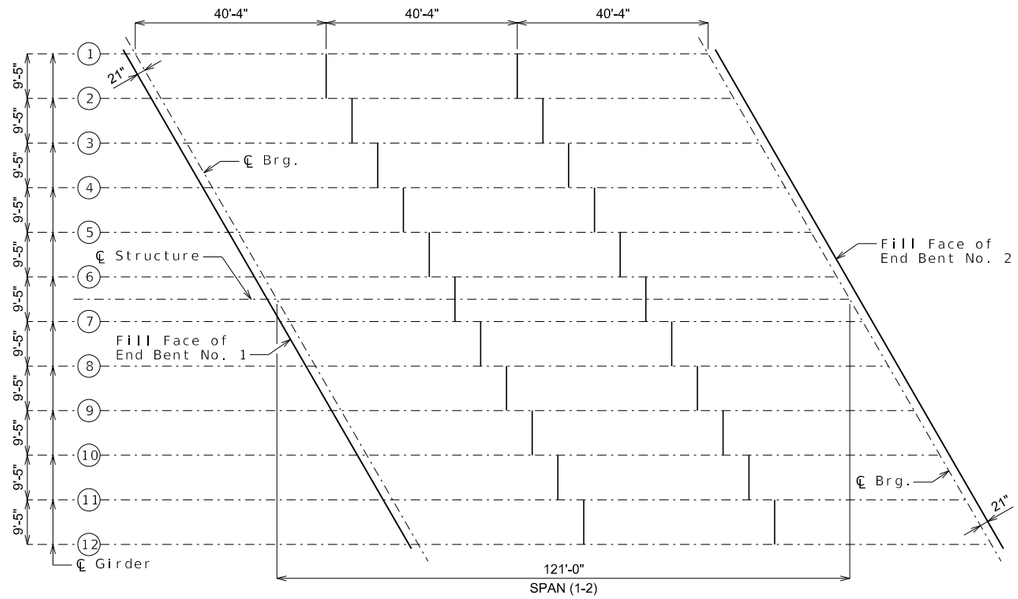
PROJECT NO.

BRIDGE NO. A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

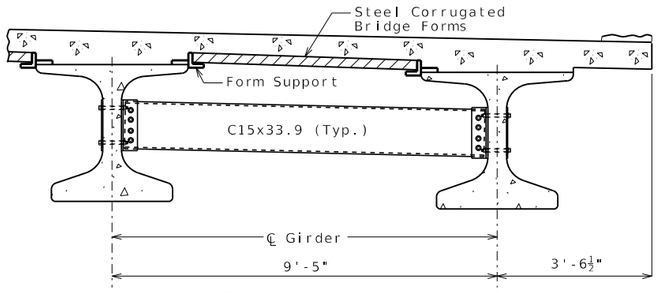
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

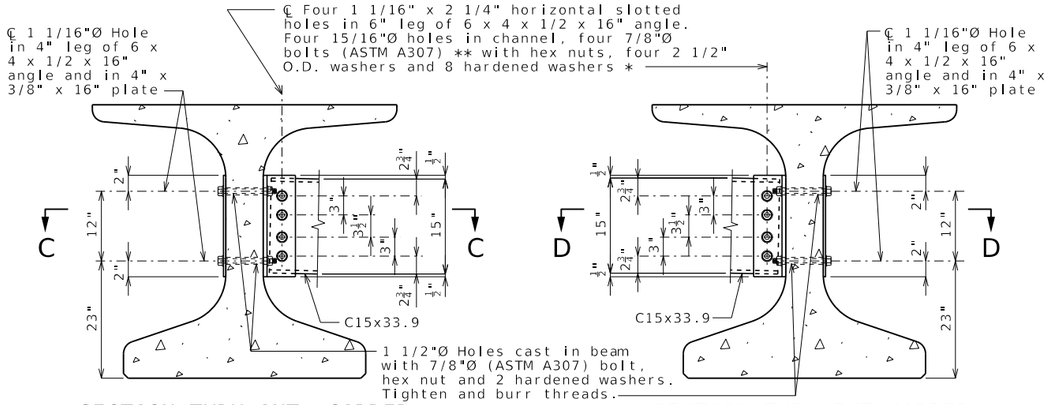


PLAN SHOWING LOCATION OF STEEL INTERMEDIATE DIAPHRAGMS

Longitudinal dimensions are horizontal.

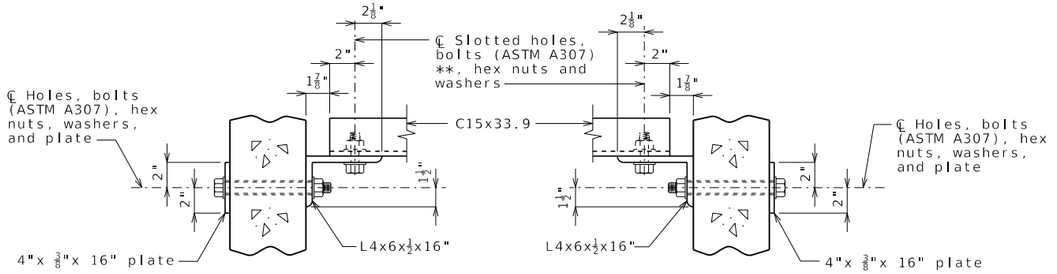


PART SECTION SHOWING
INTERMEDIATE DIAPHRAGMS



SECTION THRU INT. GIRDER
AT DIAPHRAGM

SECTION THRU EXT.GIRDER
AT DIAPHRAGM



SECTION C-C

SECTION D-D

STEEL DIAPHRAGM NOTES:

* In lieu of 2 1/2" outside diameter washers, contractor may substitute a 3/16" (Min. thickness) plate with four 15/16" Ø holes and one hardened washer per bolt.

** Bolts shall be tightened to provide a tension of one-half that specified in Sec 712 for high strength bolt installation. ASTM F3125 Grade A325 Type 1 bolts may be substituted for and installed in accordance with the requirements for the specified ASTM A307 bolts.

All diaphragm materials including bolts, nuts, and washers shall be galvanized.

Fabricated structural steel shall be ASTM A709 Grade 36 except as noted.

Shop drawings will not be required for steel intermediate diaphragms and angle connections.

STEEL INTERMEDIATE DIAPHRAGMS

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NOTARY NUMBER
PE-2007020256
PROFESSIONAL ENGINEER

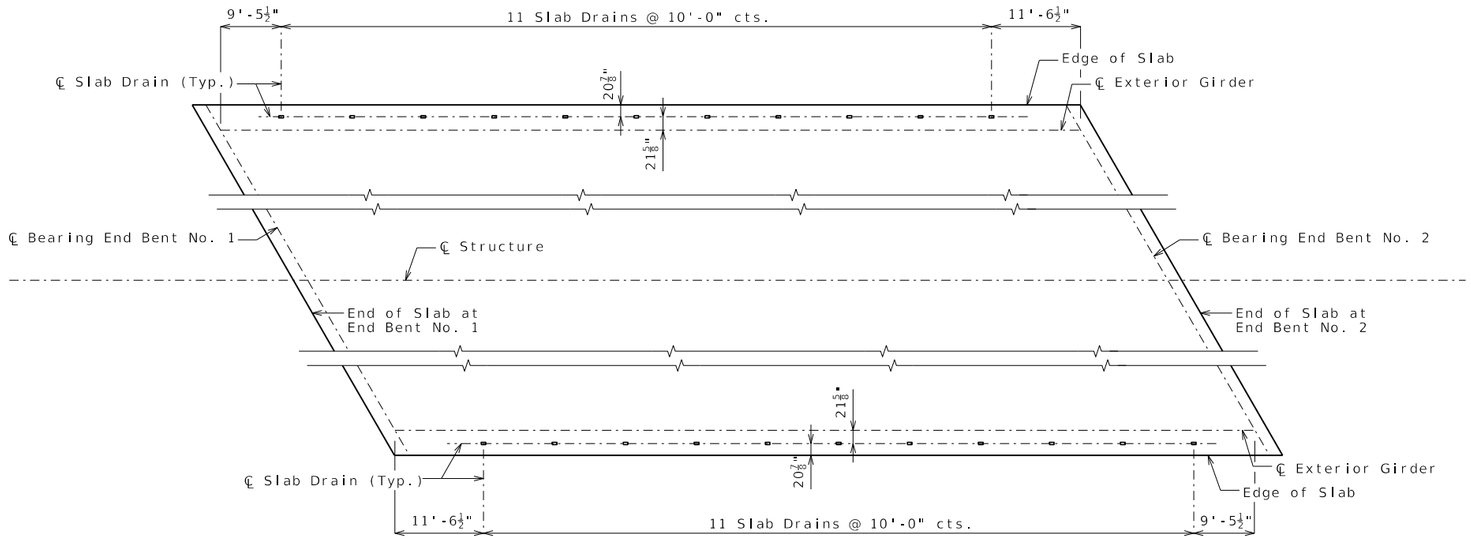
DATE PREPARED
9/12/2025

ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR17
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

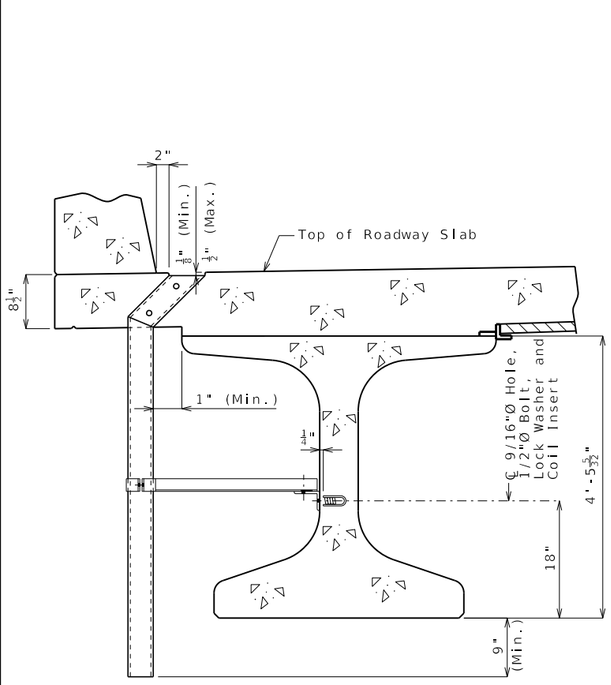
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

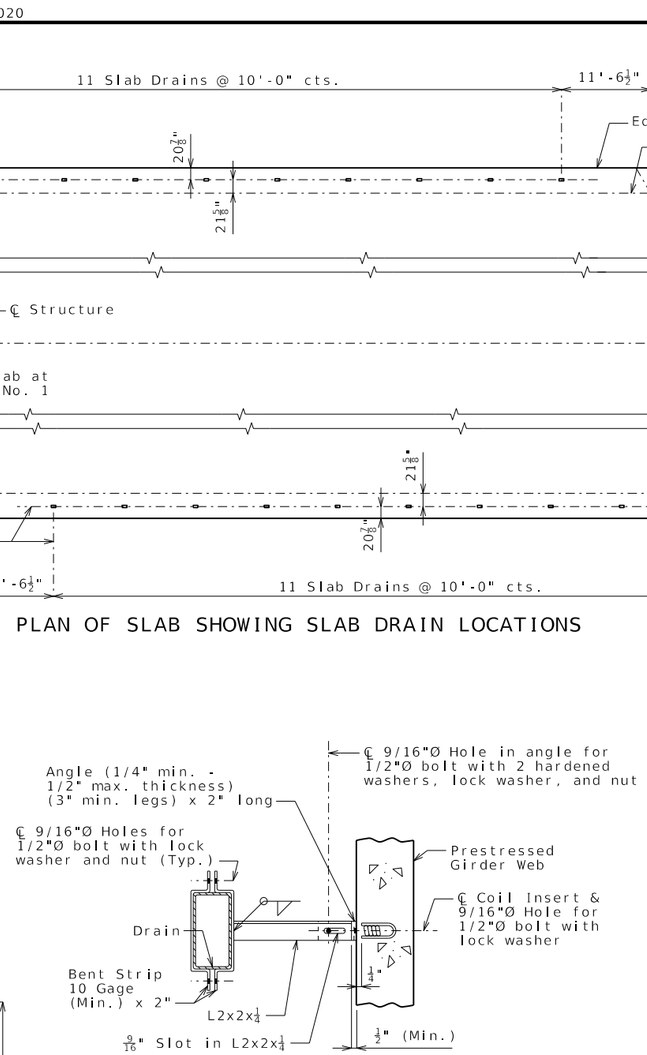
Consult Inc engineers planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



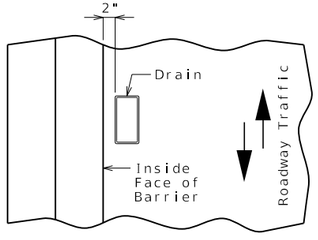
PLAN OF SLAB SHOWING SLAB DRAIN LOCATIONS



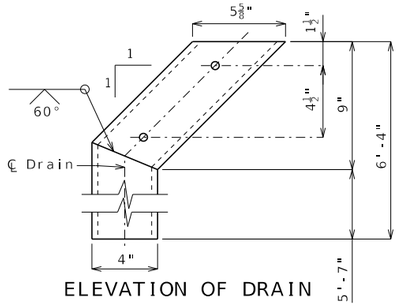
PART SECTION NEAR DRAIN



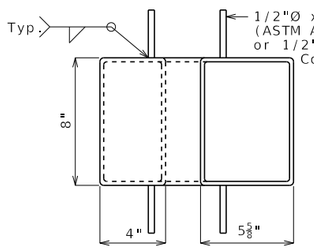
PART SECTION SHOWING BRACKET ASSEMBLY



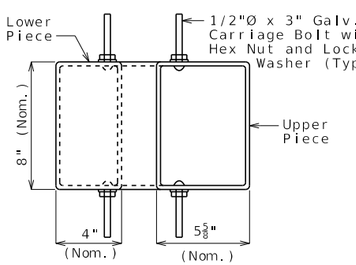
PART PLAN OF SLAB AT DRAIN



ELEVATION OF DRAIN



PLAN OF STEEL DRAIN OPTION



PLAN OF FRP DRAIN OPTION

General Notes:

Contractor shall have the option to construct either steel or FRP slab drains. All drains shall be of same type.

Slab drain bracket assembly shall be ASTM A709 Grade 36 steel.

Locate drains in slab by dimensions shown in Part Section Near Drain.

Reinforcing steel shall be shifted to clear drains.

The coil inserts and bracket assembly shall be galvanized in accordance with ASTM A123.

All bolts, hardened washers, lock washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.

All 1/2"Ø bolts shall be ASTM A307.

Shop drawings will not be required for the slab drains and the bracket assembly.

The coil insert required for the bracket assembly attachment shall be located on the prestressed girder shop drawings.

Coil inserts shall have a concrete pull-out strength (ultimate load) of at least 2,500 pounds in 5,000 psi concrete.

The bolt required to attach the slab drain bracket assembly to the prestressed girder web shall be supplied by the prestressed girder fabricator.

Notes for Steel Drain:

Slab drains may be fabricated of either 1/4" welded sheets of ASTM A709 Grade 36 steel or from 1/4" structural steel tubing ASTM A500 or A501.

Outside dimensions of drains are 8" x 4".

The drains shall be galvanized in accordance with ASTM A123.

Notes for FRP Drain:

Drains shall be machine filament-wound thermosetting resin tubing meeting the requirements of ASTM D2996 with the following exceptions:

Shape of drains shall be rectangular with outside nominal dimensions of 8" x 4".

Minimum reinforced wall thickness shall be 1/4 inch.

The resin used shall be ultraviolet (UV) resistant and/or have UV inhibitors mixed throughout. Drains may have an exterior coating for additional UV resistance.

The color of the slab drain shall be gray (Federal Standard #26373). The color shall be uniform throughout the resin and any coating used.

The combination of materials used in the manufacture of the drains shall be tested for UV resistance in accordance with ASTM D4329 Cycle A. The representative material shall withstand at least 500 hours of testing with only minor discoloration and without any physical deterioration. The contractor shall furnish the results of the required ultraviolet testing prior to acceptance of the slab drains.

At the contractor's option, drains may be field cut. The method of cutting FRP slab drain shall be as recommended by the manufacturer to ensure a smooth, chip free cut.

Both upper and lower drain pieces shall be rigidly connected to each other. Drain flow shall not be obstructed. Approval of the engineer is required.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR18
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720

SLAB DRAINS

Detailed JULY 2025
Checked AUG. 2025

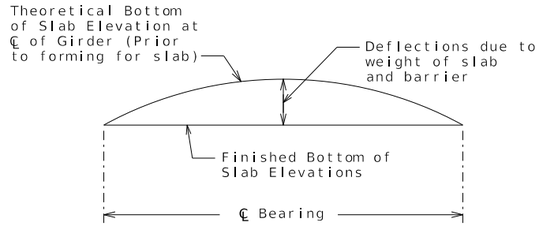
Note: This drawing is not to scale. Follow dimensions.

Theoretical Bottom of Slab Elevations at Centerline of Beam (Prior to forming for slab) (Estimated at 90 days)

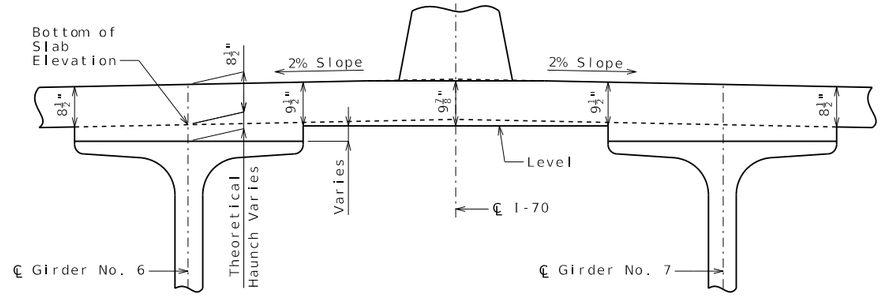
Girder Number	Span (1-2) (121'-0" ℄ Brg. - ℄ Brg.)										
	℄ Brg.	.10	.20	.30	.40	.50	.60	.70	.80	.90	℄ Brg.
1	770.59	770.66	770.72	770.76	770.79	770.80	770.78	770.74	770.68	770.61	770.54
2	770.77	770.85	770.92	770.97	771.00	771.01	770.99	770.95	770.89	770.81	770.72
3	770.96	771.03	771.10	771.16	771.19	771.20	771.18	771.14	771.08	771.00	770.91
4	771.14	771.22	771.29	771.34	771.37	771.38	771.37	771.33	771.27	771.19	771.10
5	771.32	771.40	771.47	771.53	771.56	771.57	771.55	771.51	771.45	771.38	771.29
6	771.51	771.59	771.66	771.71	771.75	771.76	771.74	771.70	771.64	771.57	771.48
7	771.51	771.58	771.66	771.71	771.75	771.76	771.74	771.70	771.64	771.57	771.48
8	771.31	771.39	771.46	771.52	771.56	771.57	771.55	771.51	771.46	771.38	771.30
9	771.12	771.20	771.27	771.33	771.37	771.38	771.36	771.33	771.27	771.19	771.11
10	770.93	771.01	771.08	771.14	771.18	771.19	771.18	771.14	771.08	771.01	770.93
11	770.74	770.82	770.89	770.95	770.99	771.00	770.99	770.95	770.89	770.82	770.74
12	770.55	770.62	770.69	770.74	770.77	770.79	770.77	770.74	770.69	770.63	770.56

Elevations are based on a constant slab thickness of $8\frac{1}{2}$" and includes allowance for theoretical dead load deflections due to weight of slab and barriers.

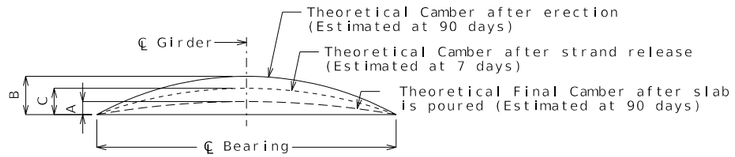
Note: Reduce haunch thickness by 1" for the center bay between Girders No. 6 & 7 to provide a minimum $9\frac{1}{2}$" deck thickness for median barrier installation.



TYPICAL SLAB ELEVATIONS DIAGRAM



THICKENED SLAB DETAIL

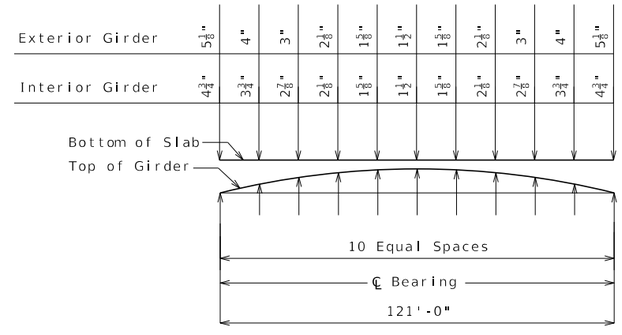


Girder	Span (1-2)		
	A	B	C
Exterior Girder	$3\frac{30}{64}$"	$6\frac{3}{8}$"	$3\frac{5}{8}$"
Interior Girder	$3\frac{7}{64}$"		

GIRDER CAMBER DIAGRAM

Conversion Factors for Girder Camber (Estimated at 90 days):

0.1 pt. = 0.314 x 0.5 pt.
0.2 pt. = 0.593 x 0.5 pt.
0.3 pt. = 0.813 x 0.5 pt.
0.4 pt. = 0.952 x 0.5 pt.



Span (1-2)

THEORETICAL SLAB HAUNCHING DIAGRAM (ESTIMATED AT 90 DAYS)

If girder camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thickness or a raise in grade uniformly throughout the structure shall be necessary.

Detailed JULY 2025
Checked AUG. 2025

CAMBER DIAGRAM, HAUNCHING DIAGRAM AND SLAB ELEVATIONS

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NOVEMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR19
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Longitudinal slab dimensions are measured horizontally.

For Plan of Slab Showing Bottom Reinforcement, see Sheet No. 2-BR21.

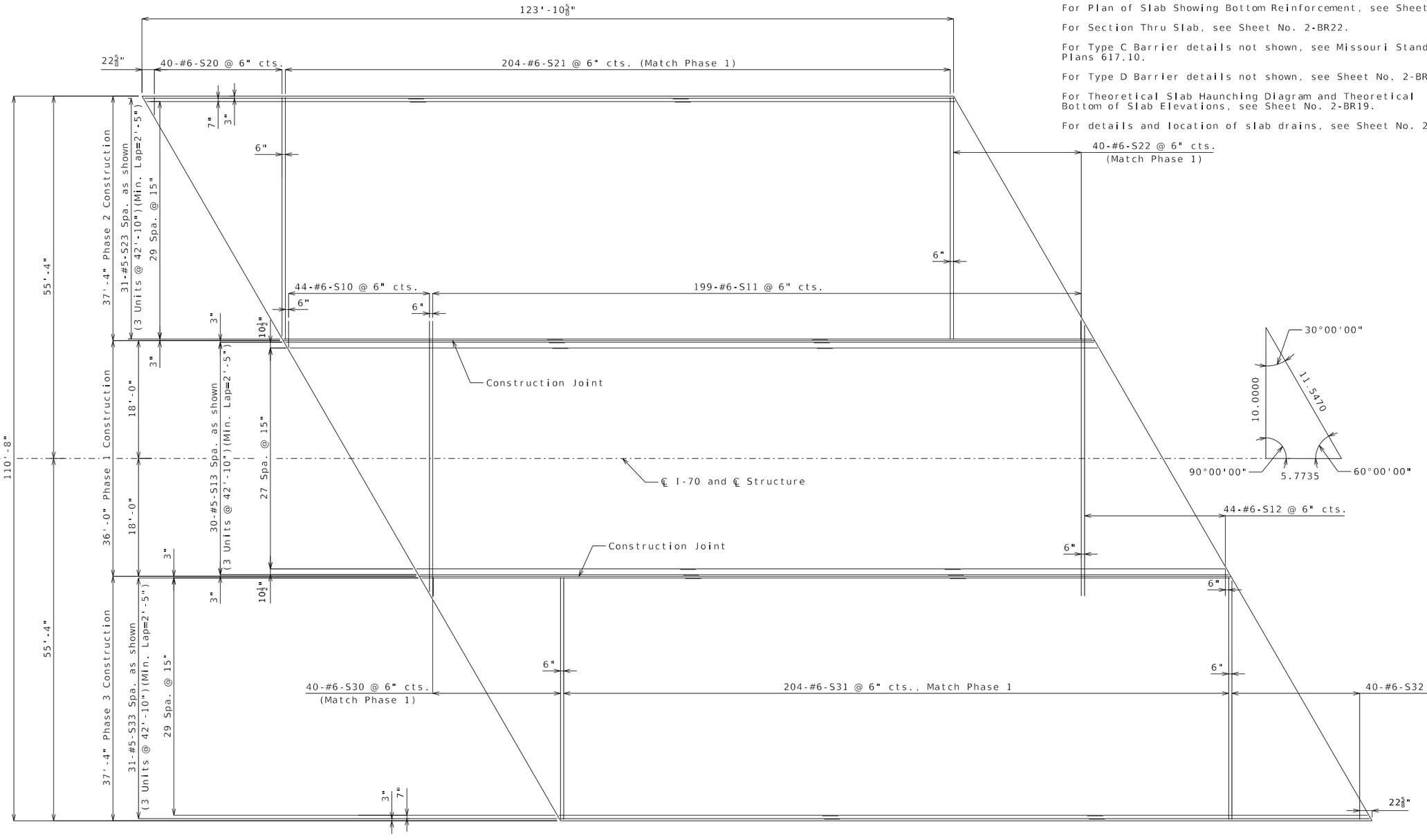
For Section Thru Slab, see Sheet No. 2-BR22.

For Type C Barrier details not shown, see Missouri Standard Plans 617.10.

For Type D Barrier details not shown, see Sheet No. 2-BR23.

For Theoretical Slab Haunching Diagram and Theoretical Bottom of Slab Elevations, see Sheet No. 2-BR19.

For details and location of slab drains, see Sheet No. 2-BR18.



PLAN OF SLAB SHOWING TOP REINFORCEMENT

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
BR	2-BR20

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9741

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.; Kansas City, MO 64152; (816)912-4720

Notes:

Longitudinal slab dimensions are measured horizontally.

For Plan of Slab Showing Top Reinforcement, see Sheet No. 2-BR20.

For Section Thru Slab, see Sheet No. 2-BR22.

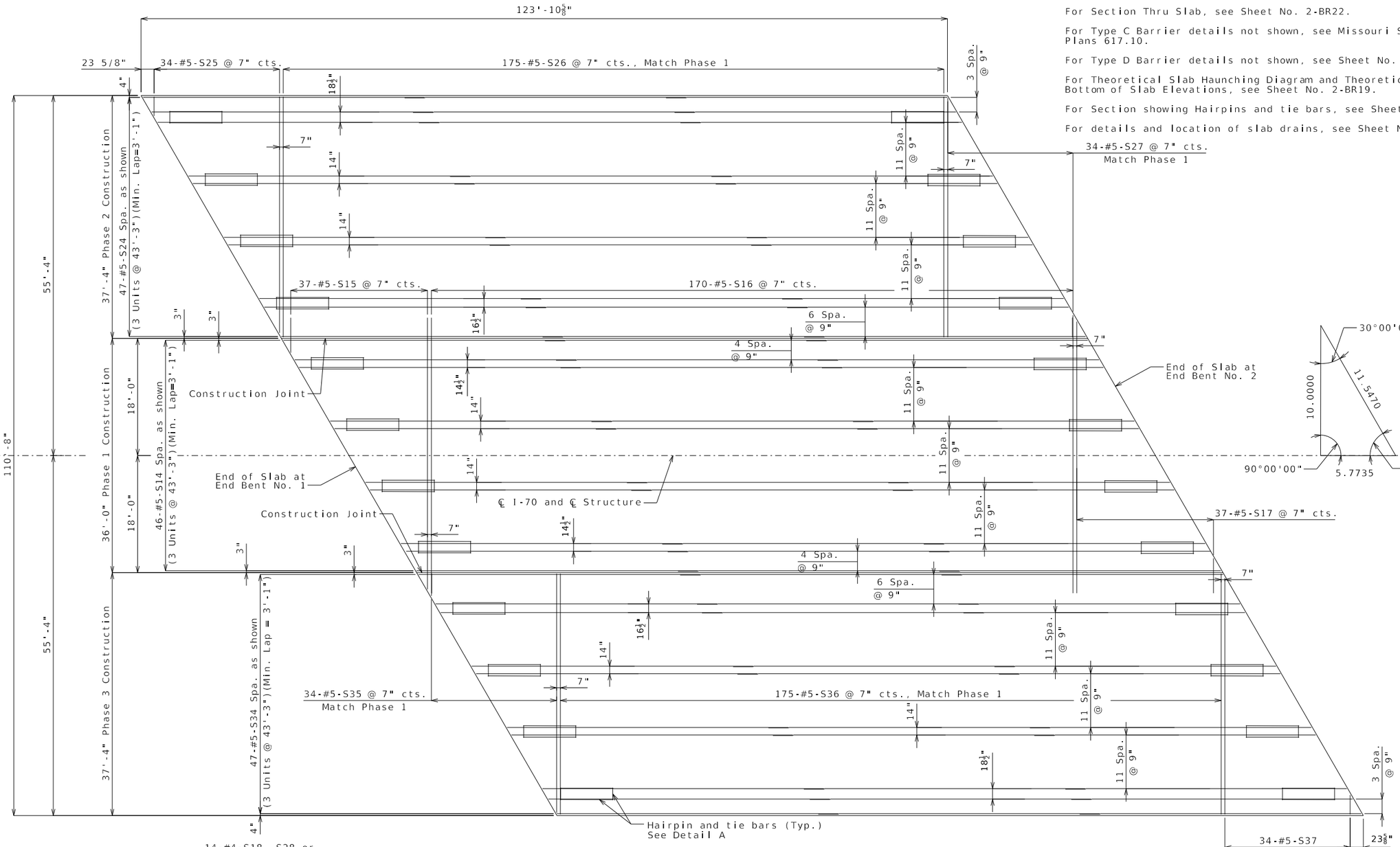
For Type C Barrier details not shown, see Missouri Standard Plans 617.10.

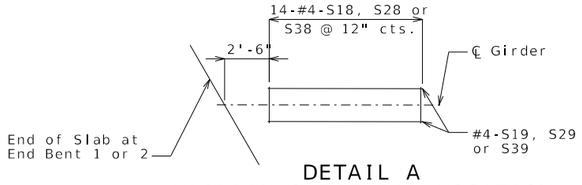
For Type D Barrier details not shown, see Sheet No. 2-BR23.

For Theoretical Slab Haunching Diagram and Theoretical Bottom of Slab Elevations, see Sheet No. 2-BR19.

For Section showing Hairpins and tie bars, see Sheet No. 2-BR22.

For details and location of slab drains, see Sheet No. 2-BR18.





DETAIL A
HAIRPIN & TIE BAR LOCATION
(Typical for Each End Each Girder)

PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NOTARY PUBLIC
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
BR	2-BR21

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

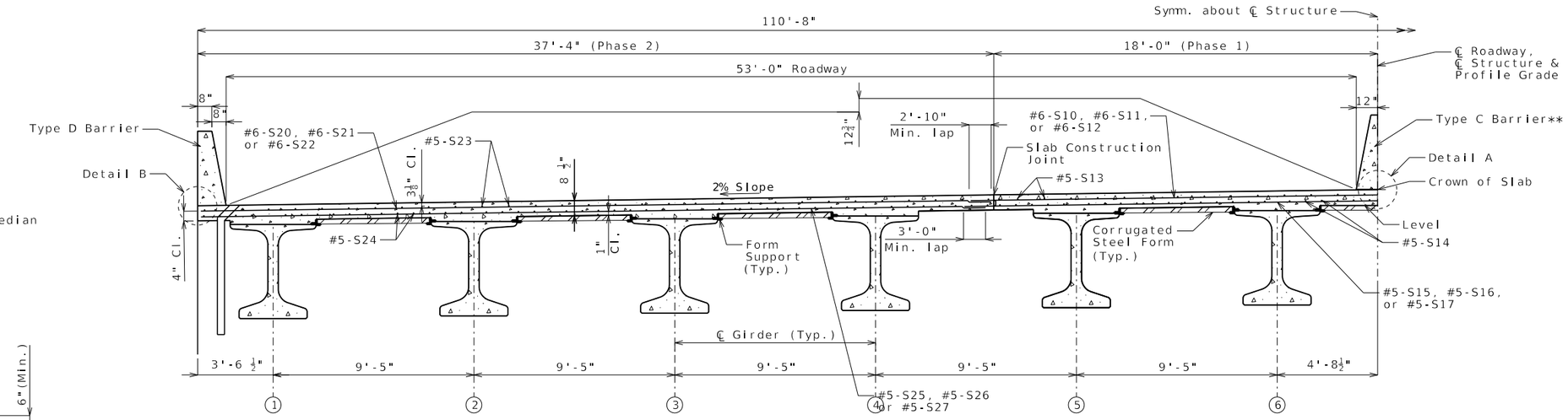
BRIDGE NO.
A9741

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
3733 N. Wallace Ave.; Kansas City, MO 64151 (816)912-4720

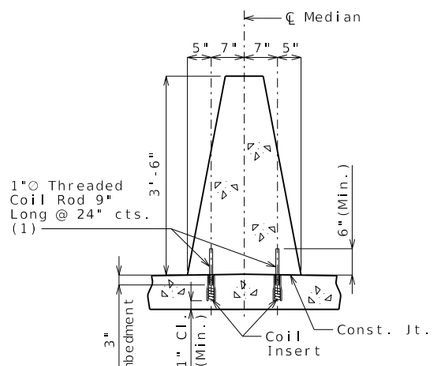


HALF SECTION THRU SLAB

Half Section with Phase 2 shown, Phase 3 similar.
For Phase 3 reinforcement, replace the first digit of bar mark with '3'.

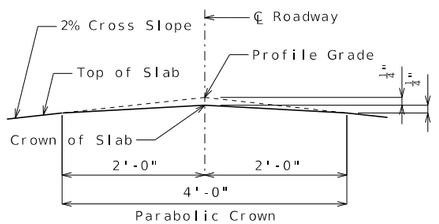
** Type C Barrier constructed after completion of Phase 3 Eastbound Construction.

* Varies between Girders No. 6 & 7.

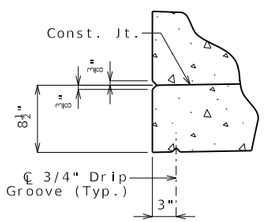


PART SECTION OF TYPE C BARRIER

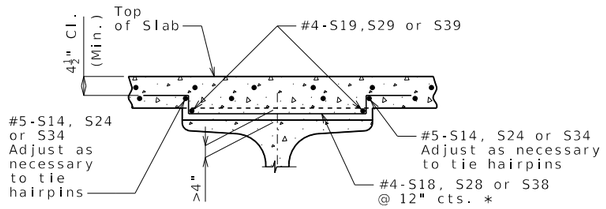
(1) Alternate 1'-0" about longitudinal centerline of barrier.



DETAIL A

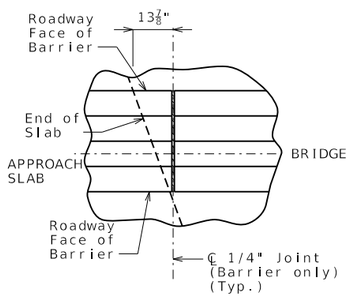


DETAIL B

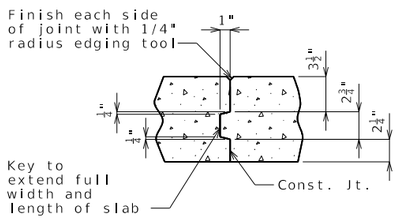


* #4-S18, S28 or S38 hairpin bars may be placed at an angle to meet clearances.

PART SECTION SHOWING HAIRPINS



PART PLAN SHOWING TYPE C BARRIER JOINT LOCATION



SLAB CONSTRUCTION JOINT

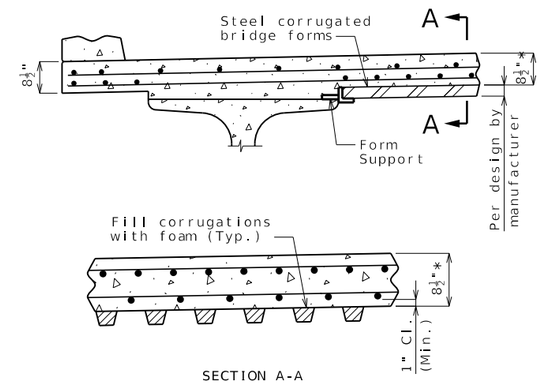
Stay-In-Place Forms:

Corrugated steel forms, supports, closure elements and accessories shall be in accordance with grade requirement and coating designation G165 of ASTM A653. Complete shop drawings of the permanent steel deck forms shall be required in accordance with Sec 1080.

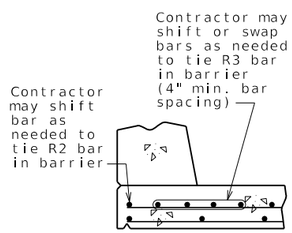
Corrugations of stay-in-place forms shall be filled with an expanded polystyrene material. The polystyrene material shall be placed in the forms with an adhesive in accordance with the manufacturer's recommendations.

Form sheets shall not rest directly on the top of girder flanges. Sheets shall be securely fastened to form supports with a minimum bearing length of one inch on each end. Form supports shall be placed in direct contact with the flange. Drilling holes in the girder flanges will not be permitted. All steel fabrication and construction shall be in accordance with Sec 1080 and 712. Certified field welders will not be required for welding of the form supports.

The design of stay-in-place corrugated steel forms is per manufacturer which shall be in accordance with Sec 703 for false work and forms. Maximum actual weight of corrugated steel forms allowed shall be 4 psf assumed for girder loading.



OPTIONAL STAY-IN-PLACE FORM DETAILS



OPTIONAL SHIFTING TOP BARS AT BARRIER

Notes:

For Theoretical Bottom of Slab Elevations, Girder Camber Diagram and Theoretical Slab Haunching Diagram, see Sheet No. 2-BR19.

For Plan of Slab Showing Reinforcement, see Sheets No. 2-BR20 & 2-BR21.

The contractor shall pour and satisfactorily finish the roadway slab at a rate of not less than 25 cubic yards per hour.

The concrete diaphragm at the integral end bents shall be poured a minimum of 30 minutes and a maximum of 2 hours before the slab is poured.

For Type C Barrier details not shown, see Missouri Standard Plans 617.10

For Type D Barrier details not shown, see Sheet No. 2-BR23.

For details and location of slab drains, see Sheet No. 2-BR18.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR22
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

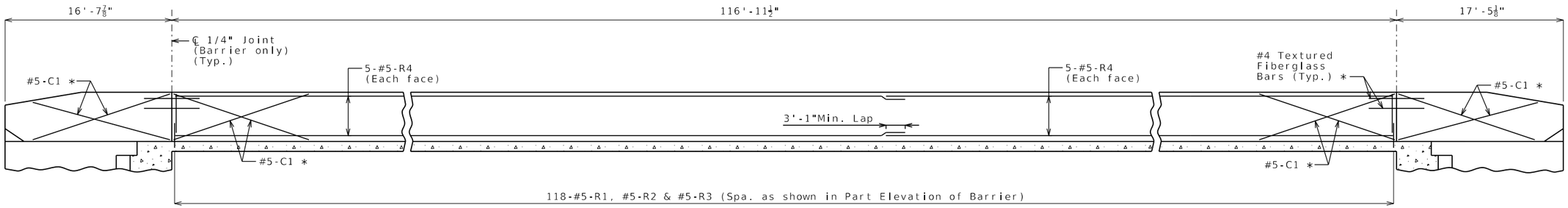
Consult Inc engineers planners
7733 N. Wallace Ave. : Kansas City, MO 64152 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

SLAB DETAILS

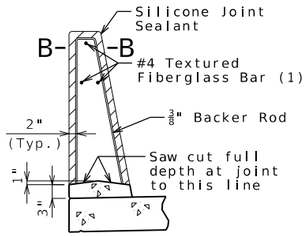
Sheet No. 22 of 31



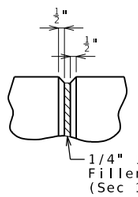
ELEVATION OF BARRIER

(Left barrier shown, right barrier similar)

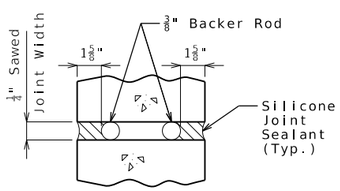
Longitudinal dimensions are horizontal.



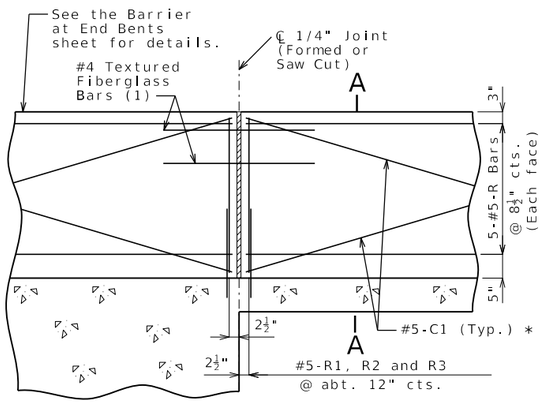
SECTION THRU SAW CUT JOINT



PART ELEVATION AT FORMED JOINT

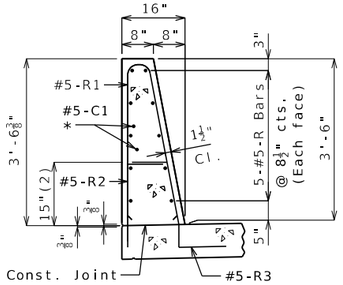


SECTION B-B



PART ELEVATION OF BARRIER

(1) Four feet long, centered on joint, slip-formed option only

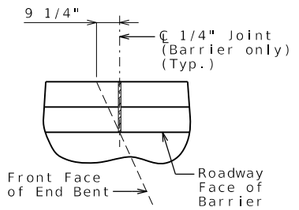


SECTION A-A

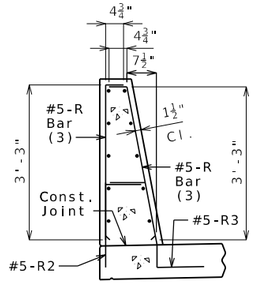
Use a minimum lap of 3'-1" for #5 horizontal barrier bars.

The cross-sectional area above the slab is 3.52 square feet.

(2) To top of bar



PART PLAN SHOWING JOINT LOCATION



R-BAR PERMISSIBLE ALTERNATE SHAPE

(3) The R1 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)

General Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Top of barrier shall be built parallel to grade and barrier joints (except at end bents) normal to grade.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Concrete in barrier shall be Class B-1.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides.

Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.

TYPE D BARRIER

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

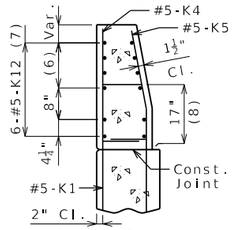
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR23

COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9741

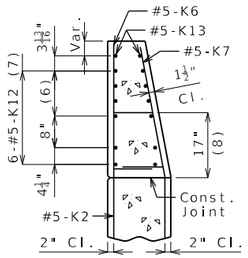
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

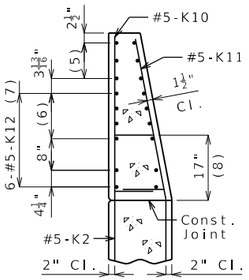
Consult Inc engineers planners
7733 N. Wallace Ave. ; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



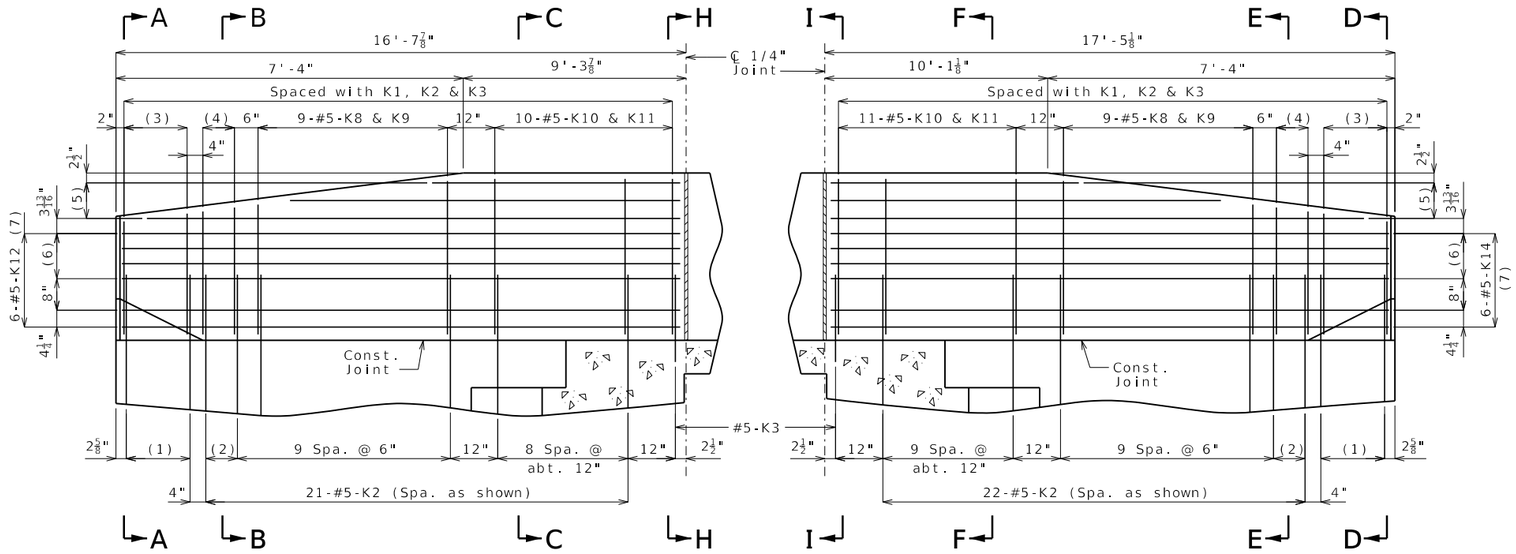
SECTION A-A



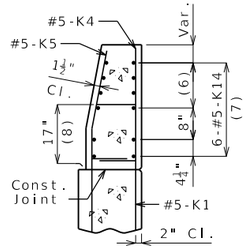
SECTION B-B



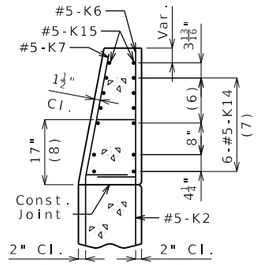
SECTION C-C



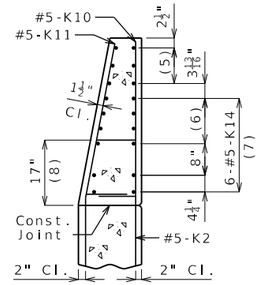
PART ELEVATION



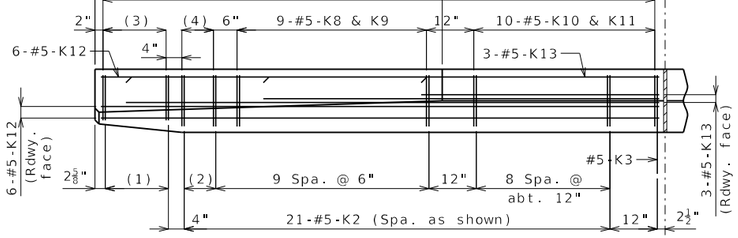
SECTION D-D



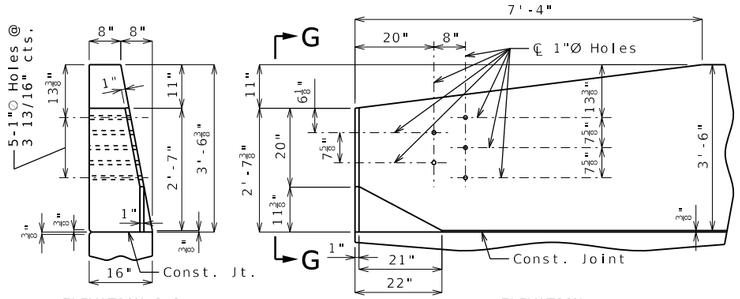
SECTION E-E



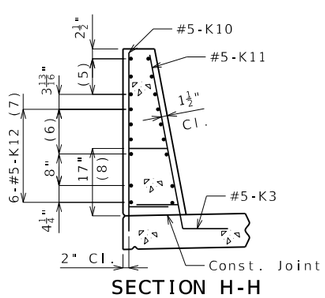
SECTION F-F



PART PLAN

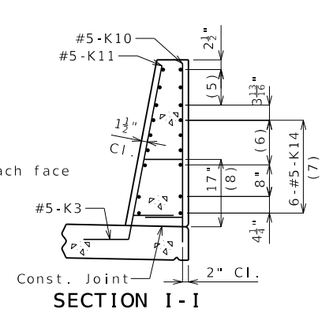


ELEVATION G-G ELEVATION

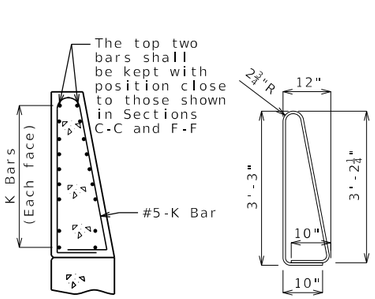


SECTION H-H

(1) 5-#5-K1 @ 4" cts.
(2) 2 spaces @ 4"
(3) 5-#5-K4 & K5
(4) 3-#5-K6 & K7
(5) 3-#5-K13 or K15 @ 4½" cts., each face
(6) 3 spaces @ 3 13/16"
(7) Spaced as shown, each face
(8) To top of bar



SECTION I-I

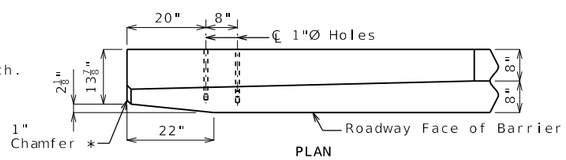


K10-K11 BAR PERMISSIBLE ALTERNATE SHAPE

(Other K bars not shown for clarity)

The K10-K11 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.



DETAILS OF GUARD RAIL ATTACHMENT

* Transition to zero at Type A curb for gutter lines to match.

General Notes:

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent.

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

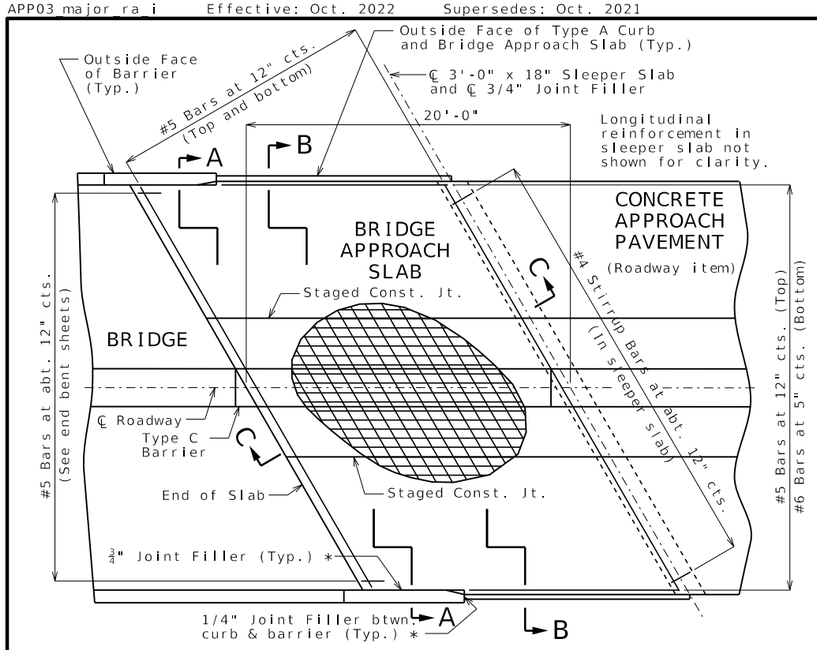
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR24
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

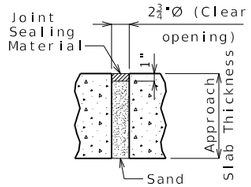
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. ; Kansas City, MO 64158 (816)912-4720
Mo CONSULT, INC.
PRO. ENGINEER 2010005873

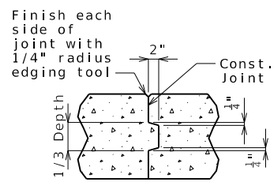


PART PLAN SHOWING REINFORCEMENT



UNDERSEAL ACCESS HOLE DETAIL

(If required)



CONSTRUCTION JOINT DETAIL

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 29 inches for #5 bars and 44 inches for #6 bars, or by mechanical bar splice.

Mechanical bar splices shall be in accordance with Sec 710 (Estimated 96 splices per slab).

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

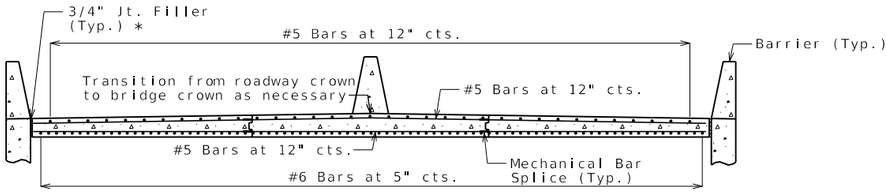
The contractor shall pour and satisfactorily finish the bridge slab before placing the bridge approach slab.

Longitudinal construction joints in approach slab and sleeper slab shall be aligned with longitudinal construction joints in bridge slab.

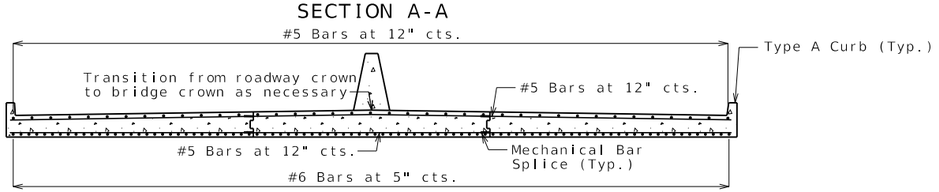
For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

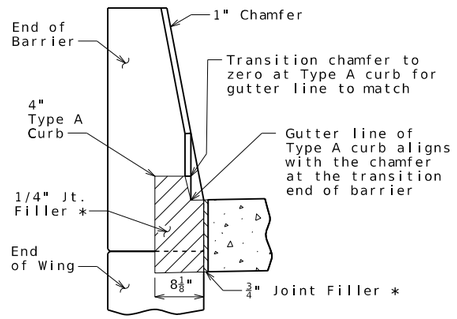


SECTION A-A

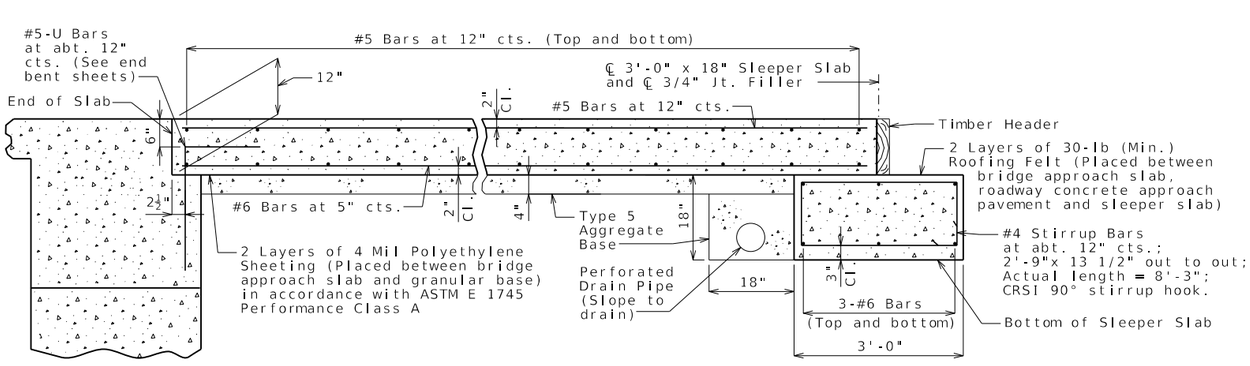


SECTION B-B

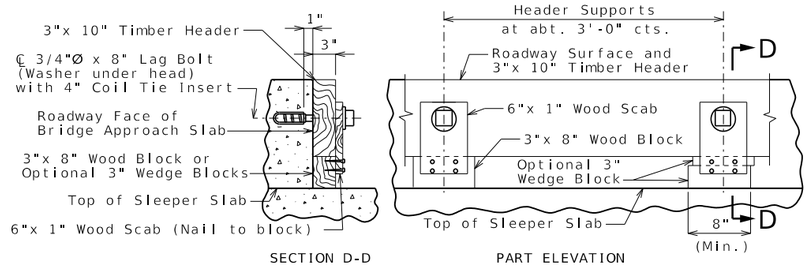
The bottom of the approach slab shall be crowned to match the crown of the roadway surface.



SECTION BETWEEN CURB AND BARRIER



SECTION C-C



SECTION D-D PART ELEVATION

DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.

BRIDGE APPROACH SLAB (MAJOR)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

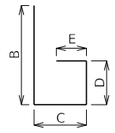
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED	
9/12/2025	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR25
COUNTY	
LAFAYETTE	
JOB NO.	
JST0019	
CONTRACT ID.	
250507-C01	
PROJECT NO.	
BRIDGE NO.	
A9741	

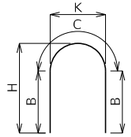
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

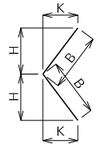
Consult engineers inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



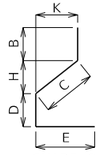
SHAPE 6
or 6S



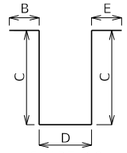
SHAPE 7



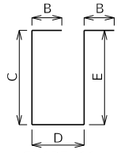
SHAPE 8
or 8S



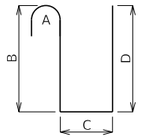
SHAPE 9
or 9S



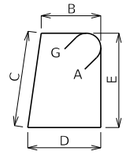
SHAPE 10
or 10S



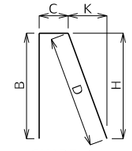
SHAPE 11
or 11S



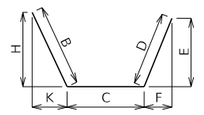
SHAPE 12



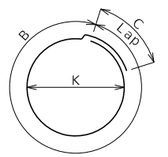
SHAPE 13S



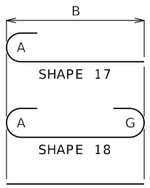
SHAPE 14
or 14S



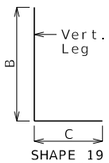
SHAPE 15
or 15S



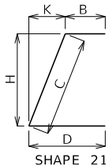
SHAPE 16



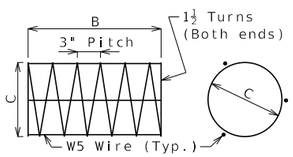
SHAPE 17
SHAPE 18
SHAPE 20



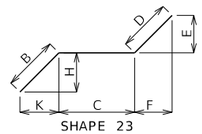
SHAPE 19
or 19S



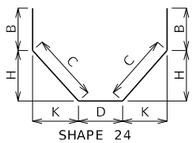
SHAPE 21
or 21S



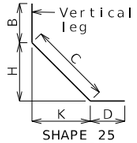
SHAPE 22



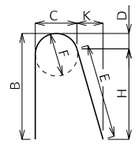
SHAPE 23
or 23S



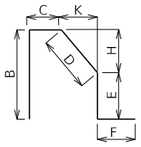
SHAPE 24
or 24S



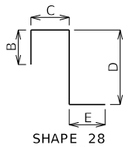
SHAPE 25
or 25S



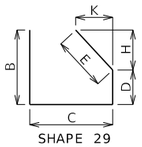
SHAPE 26



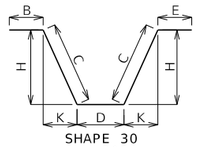
SHAPE 27S



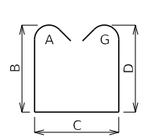
SHAPE 28
or 28S



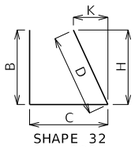
SHAPE 29
or 29S



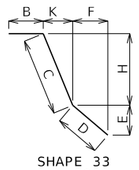
SHAPE 30
or 30S



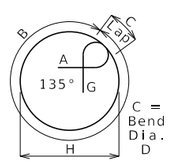
SHAPE 31S



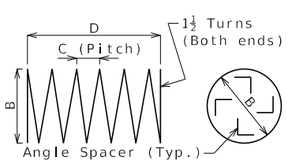
SHAPE 32
or 32S



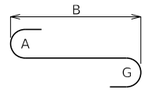
SHAPE 33
or 33S



SHAPE 34S



SHAPE 35 (1)

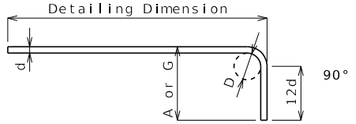


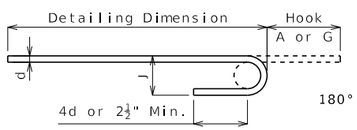
SHAPE 36

Finished Bend Diameters D and Hook Dimensions

Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3¾"	10"	7"	5"
#6	1	4½"	12"	8¼"	6"
#7	2	5¼"	14"	9¾"	7"
	3	7"	15"	11½"	8¾"
#8	2	6"	16"	11"	8"
	3	8"	17"	13¼"	10"
#9	1	9½"	19½"	15½"	11¾"
#10	1	10¾"	22"	17½"	13¼"
#11	1	12"	24½"	19½"	14⅞"
#14	1	18¼"	31¼"	27½"	21⅜"
#18	1	24"	41½"	36¼"	28½"



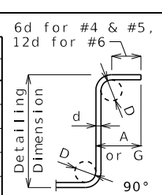


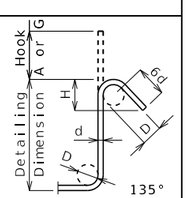
Stirrup Pin Bend Shapes (S)

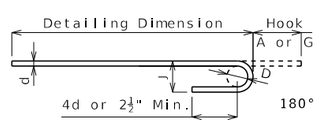
Size	Case	D	A or G			H	J
			90°	135°	180°	135°	180°
#4	2	2"	4½"	4½"	5"	2⅝"	3"
	3	3"	5"	5½"	6"	3"	4"
#5	2	2½"	5¾"	5¾"	5¾"	3⅝"	3¾"
	3	3¾"	6¼"	6½"	7"	3⅞"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅝"	6"

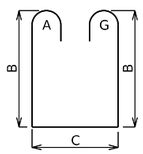
Applicable for all grades of steel.

Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.

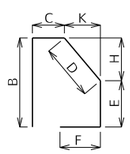








SHAPE 37S



SHAPE 38S

BENDING DIAGRAMS

Note:
For bars connected with mechanical bar splices, dimensions and bar lengths provided are measured to the construction joint with no addition or reduction in length for the mechanical splice.

All dimensions are out to out.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

(1) Shall be a deformed or plain spiral bar or wire.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

Reinforcing Steel Totals (Pounds)

	Size	Substructure		Superstructure				Entire Bridge	
				Slab			Slip		
		Plain	Epoxy	Plain	Epoxy	Barrier	Form	Plain	Epoxy
By Size	W5	0	0	0	0	0	0	0	0
	4	0	0	0	3,277	0	0	0	3,277
	5	0	0	0	63,200	8,371	200	0	71,771
	6	0	0	0	59,840	0	0	0	59,840
	7	0	0	0	0	0	0	0	0
	8	0	0	0	10,020	0	0	0	10,020
	9	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0	0
	14	0	0	0	0	0	0	0	0
	18	0	0	0	0	0	0	0	0
By Type		0	0	0	136,337	8,371	200	0	144,908

All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR26

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9741

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave.: Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		SUPERSTRUCTURE													
		END BENT NO. 1													
		PHASE 1													
5	6 H111	DIAPHRAGM	E	20		43 11.00							43 11	43 11	330
2	6 H112	DIAPHRAGM	E	20		3 7.00							3 7	3 7	11
8	6 H113	DIAPHRAGM	E	20		5 2.00							5 2	5 2	62
12	6 H114	DIAPHRAGM	E	20		10 0.00							10 0	10 0	180
3	6 H115	DIAPHRAGM	E	20		6 11.00							6 11	6 11	31
4	8 H116	BEAM	E	20		43 11.00							43 11	43 11	469
8	8 H117	BEAM	E	20		6 4.00							6 4	6 4	135
4	8 H118	BEAM	E	20		43 8.00							43 8	43 8	466
6	6 H119	BEAM	E	20		43 11.00							43 11	43 11	396
4	5 H100	STRAND TIE	E	23S		15.00	3 2.00	15.00	7.50	13.00	7.50	13.00	5 8	5 8	24
4	8 H101	DIAPHRAGM	E	20		41 7.00							41 7	41 7	444
25	5 U111	BEAM	E	10S			7 2.00	3 4.00					17 8	17 5	454
22	4 U112	BEAM	E	13S		3 4.00	3 8.00	3 4.00	3 8.00				14 9	14 6	213
10	4 U113	BEAM	E	10S			3 8.00	3 4.00					10 8	10 6	70
31	5 U114	DIAPHRAGM	E	10S			5 1.00	2 9.00					12 11	12 8	410
31	6 U115	DIAPHRAGM	E	19S		4 4.00	3 4.00						7 8	7 6	349
59	6 U116	DIAPHRAGM	E	19S		3 0.00	5 1.00						8 1	7 11	702
45	5 U117	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	149
12	5 V111	BEAM	E	20		7 2.00							7 2	7 2	90
24	6 V112	DIAPHRAGM	E	20		4 4.00							4 4	4 4	156
		PHASE 2													
12	6 F121	WING BRACE	E	23		13.88	5 9.00	2 3.00	13.50	23.38	7.00	12.00	9 2	9 1	164
5	6 F122	DIAPHRAGM	E	21			3 4.00	5 9.00			2 10.38	19.88	9 1	8 7	64
5	6 H121	DIAPHRAGM	E	20		41 10.00							41 10	41 10	314
1	6 H122	DIAPHRAGM	E	20		2 0.00							2 0	2 0	3
4	6 H123	DIAPHRAGM	E	20		3 6.00							3 6	3 6	21
12	6 H124	DIAPHRAGM	E	20		10 0.00							10 0	10 0	180
3	6 H125	DIAPHRAGM	E	20		6 11.00							6 11	6 11	31
4	6 H126	DIAPHRAGM	E	20		4 8.00							4 8	4 8	28
1	6 H127	DIAPHRAGM	E	20		3 2.00							3 2	3 2	5
2	6 H128	BEAM	E	20		17 5.00							17 5	17 5	52
4	6 H129	BEAM	E	20		41 10.00							41 10	41 10	251
4	8 H140	BEAM	E	20		41 10.00							41 10	41 10	447
4	8 H141	BEAM	E	20		18 9.00							18 9	18 9	200
4	8 H142	BEAM	E	20		29 3.00							29 3	29 3	312
4	5 H143	STRAND TIE	E	23 S		15.00	3 2.00	15.00	7.50	13.00	7.50	13.00	5 8	5 8	24
4	8 H144	DIAPHRAGM	E	20		42 11.00							42 11	42 11	458
22	6 H145	WING	E	20		14 8.00							14 8	14 8	485
2	6 H146	WING	E	20		14 8.00							14 8	14 8	44
8	8 H147	WING	E	20		15 6.00							15 6	15 6	331
22	5 U121	BEAM	E	10 S			6 10.00	3 4.00					17 0	16 9	384
14	4 U122	BEAM	E	13 S		3 4.00	2 11.00	3 4.00	2 11.00				13 3	13 0	122
2	4 U123	BEAM	E	10 S			2 11.00	3 4.00					9 2	9 0	12
28	5 U124	DIAPHRAGM	E	10 S			5 1.00	2 9.00					12 11	12 8	370
28	6 U125	DIAPHRAGM	E	19 S		4 4.00	3 4.00						7 8	7 6	315
55	6 U126	DIAPHRAGM	E	19 S		3 0.00	5 1.00						8 1	7 11	654
41	5 U127	DIAPHRAGM	E	19 S		2 0.00	15.00						3 3	3 2	135
12	4 U128	BEAM	E	13 S		3 4.00	3 4.00	3 4.00	3 4.00				14 1	13 10	111
4	4 U129	BEAM	E	10 S			3 4.00	3 4.00					10 0	9 10	26
12	5 V121	BEAM	E	20		6 10.00							6 10	6 10	86
24	6 V122	DIAPHRAGM	E	20		4 4.00							4 4	4 4	156
2	6 V123	WING	E	20		8 6.00							8 6	8 6	26
24	6 V124	WING	E	20		8 6.00							8 6	8 6	306
1	6 V125	WING	E	20		8 6.00							8 6	8 6	13
		PHASE 3													
12	6 F131	WING BRACE	E	23		14.00	3 4.00	2 3.00	23.38	13.50	12.13	7.00	6 9	6 8	120
5	6 F132	DIAPHRAGM	E	21		5 9.00	3 4.00				2 10.38	19.88	9 1	9 0	68
5	6 H131	DIAPHRAGM	E	20		41 10.00							41 10	41 10	314
1	6 H132	DIAPHRAGM	E	20		2 0.00							2 0	2 0	3
4	6 H133	DIAPHRAGM	E	20		3 6.00							3 6	3 6	21
12	6 H134	DIAPHRAGM	E	20		10 0.00							10 0	10 0	180
3	6 H135	DIAPHRAGM	E	20		6 11.00							6 11	6 11	31
4	6 H136	DIAPHRAGM	E	20		4 8.00							4 8	4 8	28
1	6 H137	DIAPHRAGM	E	20		3 2.00							3 2	3 2	5

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		END BENT NO. 1													
		PHASE 3 (CONT.)													
2	6 H138	BEAM	E	20		17 5.00							17 5	17 5	52
4	6 H139	BEAM	E	20		41 10.00							41 10	41 10	251
4	8 H150	BEAM	E	20		41 10.00							41 10	41 10	447
4	8 H151	BEAM	E	20		18 9.00							18 9	18 9	200
4	8 H152	BEAM	E	20		29 3.00							29 3	29 3	312
4	5 H153	STRAND TIE	E	23 S		15.00	3 2.00	15.00	7.50	13.00	7.50	13.00	5 8	5 8	24
4	8 H154	DIAPHRAGM	E	20		42 11.00							42 11	42 11	458
22	6 H155	WING	E	20		14 8.00							14 8	14 8	485
2	6 H156	WING	E	20		14 8.00							14 8	14 8	44
8	8 H157	WING	E	20		15 6.00							15 6	15 6	331
24	5 U131	BEAM	E	10 S			6 11.00	3 4.00					17 2	16 11	423
12	4 U132	BEAM	E	13 S		3 4.00	2 11.00	3 4.00	2 11.00				13 3	13 0	104
4	4 U133	BEAM	E	10 S			2 11.00	3 4.00					9 2	9 0	24
28	5 U134	DIAPHRAGM	E	10 S			5 1.00	2 9.00					12 11	12 8	370
28	6 U135	DIAPHRAGM	E	19 S		4 4.00	3 4.00						7 1	7 6	315
55	6 U136	DIAPHRAGM	E	19 S		3 0.00	5 1.00						8 3	7 11	654
41	5 U137	DIAPHRAGM	E	19 S		2 0.00	15.00						3 1	3 2	135
9	4 U138	BEAM	E	13 S		3 4.00	3 4.00	3 4.00	3 4.00				14 0	13 10	83
7	4 U139	BEAM	E	10 S			3 4.00	3 4.00					10	9 10	46
														11	
8	5 V131	BEAM	E	20		6 11.00							6 4	6 11	58
24	6 V132	DIAPHRAGM	E	20		4 4.00							4 6	4 4	156
2	6 V133	WING	E	20		8 6.00							8 6	8 6	26
26	6 V134	WING	E	20		8 6.00							8 6	8 6	332
1	6 V135	WING	E	20		8 6.00							8	8 6	13
		END BENT NO. 2													
		PHASE 1													
5	6 H211	DIAPHRAGM	E	20		43 11.00							43 11	43 11	330
2	6 H212	DIAPHRAGM	E	20		3 7.00							3 7	3 7	11
8	6 H213	DIAPHRAGM	E	20		5 2.00							5 2	5 2	62
12	6 H214	DIAPHRAGM	E	20		10 0.00							10 0	10 0	180
3	6 H215	DIAPHRAGM	E	20		6 11.00							6 11	6 11	31
4	8 H216	BEAM	E	20		43 11.00							43 11	43 11	469
8	8 H217	BEAM	E	20		6 4.00							6 4	6 4	135
4	8 H218	BEAM	E	20		43 8.00							43 8	43 8	466
6	6 H219	BEAM	E	20		43 11.00							43 11	43 11	396
4	5 H200	STRAND TIE	E	23 S		15.00	3 2.00	15.00	7.50	13.00	7.50	13.00	5 8	5 8	24
4	8 H201	DIAPHRAGM	E	20		41 7.00							41 7	41 7	444
21	5 U211	BEAM	E	10 S			7 3.00	3 4.00					17 10	17 7	385
28	4 U212	BEAM	E	13 S		3 4.00	3 8.00	3 4.00	3 8.00				14 9	14 6	271
4	4 U213	BEAM	E	10 S			3 8.00	3 4.00					10 8	10 6	28
31	5 U214	DIAPHRAGM	E	10 S			5 1.00	2 9.00					12 11	12 8	410
31	6 U215	DIAPHRAGM	E	19 S		4 4.00	3 4.00						7 8	7 6	349
59	6 U216	DIAPHRAGM	E	19 S		3 0.00	5 1.00						8 1	7 11	702
45	5 U217	DIAPHRAGM	E	19 S		2 0.00	15.00						3 3	3 2	149
20	5 V211	BEAM	E	20		7 3.00							7 3	7 3	151
24	6 V212	DIAPHRAGM	E	20		4 4.00							4 4	4 4	156
		PHASE 2													
12	6 F221	WING BRACE	E	23		14.00	3 4.00	2 3.00	23.38	13.50	12.13	7.00	6 9	6 8	120
5	6 F222	DIAPHRAGM	E	21		5 9.00	3 4.00				2 10.38	19.88	9 1	9 0	68
5	6 H221	DIAPHRAGM	E	20		41 10.00							41 10	41 10	314
1	6 H222	DIAPHRAGM	E	20		2 0.00							2 0	2 0	3
4	6 H223	DIAPHRAGM	E	20		3 6.00							3 6	3 6	21
12	6 H224	DIAPHRAGM	E	20		10 0.00							10 0	10 0	180
3	6 H225	DIAPHRAGM	E	20		6 11.00							6 11	6 11	31
4	6 H226	DIAPHRAGM	E	20		4 8.00							4 8	4 8	28
1	6 H227	DIAPHRAGM	E	20		3 2.00							3 2	3 2	5
2	6 H228	BEAM	E	20		17 5.00							17 5	17 5	52
4	6 H229	BEAM	E	20		41 10.00							41 10	41 10	251
4	8 H240	BEAM	E	20		41 10.00							41 10	41 10	447
4	8 H241	BEAM	E	20		18 9.00							18 9	18 9	200
4	8 H242	BEAM	E	20		29 3.00							29 3	29 3	312
4	5 H243	STRAND TIE	E	23 S		15.00	3 2.00	15.00	7.50	13.00	7.50	13.00	5 8	5 8	24
4	8 H244	DIAPHRAGM	E	20		42 11.00							42 11	42 11	458
22	6 H245	WING	E	20		14 8.00							14 8	14 8	485
2	6 H246	WING	E	20		14 8.00							14 8	14 8	44
8	8 H247	WING	E	20		15 6.00							15 6	15 6	331

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 2-BR26.

All bars shall be Grade 60.

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

Detailed JULY 2025
Checked AUG. 2025

BILL OF REINFORCING STEEL

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
BR	2-BR27

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9741

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. ; Kansas City, MO 64158 (816)912-4720
Mg CONSULT, INC.
PRO. ENGINEER 2010005873

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		END BENT NO. 2													
		PHASE 2 (CONT.)													
23	5 U221	BEAM	E	10 S			6 11.00	3 4.00					17 2	16 11	406
14	4 U222	BEAM	E	13 S		3 4.00	2 11.00	3 4.00	2 11.00				13 3	13 0	122
2	4 U223	BEAM	E	10 S			2 11.00	3 4.00					9 2	9 0	12
28	5 U224	DIAPHRAGM	E	10 S			5 1.00	2 9.00					12 11	12 8	370
28	6 U225	DIAPHRAGM	E	19 S		4 4.00	3 4.00						7 8	7 6	315
55	6 U226	DIAPHRAGM	E	19 S		3 0.00	5 1.00						8 1	7 11	654
41	5 U227	DIAPHRAGM	E	19 S		2 0.00	15.00						3 3	3 2	135
9	4 U228	BEAM	E	13 S		3 4.00	3 4.00	3 4.00	3 4.00				14 1	13 10	83
7	4 U229	BEAM	E	10 S			3 4.00	3 4.00					10 0	9 10	46
10	5 V221	BEAM	E	20		6 11.00							6 11	6 11	72
24	6 V222	DIAPHRAGM	E	20		4 4.00							4 4	4 4	156
2	6 V223	WING	E	20		8 6.00							8 6	8 6	26
26	6 V224	WING	E	20		8 6.00							8 6	8 6	332
1	6 V225	WING	E	20		8 6.00							8 6	8 6	13
		PHASE 3													
12	6 F231	WING BRACE	E	23		13.88	5 9.00	2 3.00	13.50	23.38	7.00	12.00	9 2	9 1	164
5	6 F232	DIAPHRAGM	E	21			3 4.00	5 9.00			2 10.38	19.88	9 1	8 7	64
5	6 H231	DIAPHRAGM	E	20		41 10.00							41 10	41 10	314
1	6 H232	DIAPHRAGM	E	20		2 0.00							2 0	2 0	3
4	6 H233	DIAPHRAGM	E	20		3 6.00							3 6	3 6	21
12	6 H234	DIAPHRAGM	E	20		10 0.00							10 0	10 0	180
3	6 H235	DIAPHRAGM	E	20		6 11.00							6 11	6 11	31
4	6 H236	DIAPHRAGM	E	20		4 8.00							4 8	4 8	28
1	6 H237	DIAPHRAGM	E	20		3 2.00							3 2	3 2	5
2	6 H238	BEAM	E	20		17 5.00							17 5	17 5	52
4	6 H239	BEAM	E	20		41 10.00							41 10	41 10	251
4	8 H250	BEAM	E	20		41 10.00							41 10	41 10	447
4	8 H251	BEAM	E	20		18 9.00							18 9	18 9	200
4	8 H252	BEAM	E	20		29 3.00							29 3	29 3	312
4	5 H253	STRAND TIE	E	23 S		15.00	3 2.00	15.00	7.50	13.00	7.50	13.00	5 8	5 8	24
4	8 H254	DIAPHRAGM	E	20		42 11.00							42 11	42 11	458
22	6 H255	WING	E	20		14 8.00							14 8	14 8	485
2	6 H256	WING	E	20		14 8.00							14 8	14 8	44
8	8 H257	WING	E	20		15 6.00							15 6	15 6	331
25	5 U231	BEAM	E	10 S			7 0.00	3 4.00					17 4	17 1	445
9	4 U232	BEAM	E	13 S		3 4.00	2 11.00	3 4.00	2 11.00				13 3	13 0	78
7	4 U233	BEAM	E	10 S			2 11.00	3 4.00					9 2	9 0	42
28	5 U234	DIAPHRAGM	E	10 S			5 1.00	2 9.00					12 11	12 8	370
28	6 U235	DIAPHRAGM	E	19 S		4 4.00	3 4.00						7 8	7 6	315
55	6 U236	DIAPHRAGM	E	19 S		3 0.00	5 1.00						8 1	7 11	654
41	5 U237	DIAPHRAGM	E	19 S		2 0.00	15.00						3 3	3 2	135
12	4 U238	BEAM	E	13 S		3 4.00	3 4.00	3 4.00	3 4.00				14 1	13 10	111
4	4 U239	BEAM	E	10 S			3 4.00	3 4.00					10 0	9 10	26
6	5 V231	BEAM	E	20		7 0.00							7 0	7 0	44
24	6 V232	DIAPHRAGM	E	20		4 4.00							4 4	4 4	156
2	6 V233	WING	E	20		8 6.00							8 6	8 6	26
24	6 V234	WING	E	20		8 6.00							8 6	8 6	306
1	6 V235	WING	E	20		8 6.00							8 6	8 6	13
		SLAB													
		PHASE 1													
44	6 S10	SLAB	E	20	1	4 1.00							4 1	4 1	
						41 4.00							41 4	41 4	1501
199	6 S11	SLAB	E	20		42 0.00							42 0	42 0	12554
44	6 S12	SLAB	E	20	1	4 1.00							4 1	4 1	
						41 4.00							41 4	41 4	1501
90	5 S13	SLAB	E	20		42 10.00							42 10	42 10	4021
138	5 S14	SLAB	E	20		43 3.00							43 3	43 3	6225
37	5 S15	SLAB	E	20	1	5 4.00							5 4	5 4	
						41 8.00							41 8	41 8	907
170	5 S16	SLAB	E	20		42 4.00							42 4	42 4	7506
37	5 S17	SLAB	E	20	1	5 4.00							5 4	5 4	
						41 8.00							41 8	41 8	907
112	4 S18	SLAB	E	10 S		6.00	6.50	3 8.00	6.00				5 9	5 5	405
16	4 S19	SLAB	E	20		13 6.00							13 6	13 6	144

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		SLAB (CONT.)													
		PHASE 2													
40	6 S20	SLAB	E	20	1	2 9.00							2 9	2 9	
						36 6.00							36 6	36 6	1179
204	6 S21	SLAB	E	20		37 0.00							37 0	37 0	11337
40	6 S22	SLAB	E	20	1	3 0.00							3 0	3 0	
						36 11.00							36 11	36 11	1199
93	5 S23	SLAB	E	20		42 10.00							42 10	42 10	4155
141	5 S24	SLAB	E	20		43 3.00							43 3	43 3	6360
34	5 S25	SLAB	E	20	1	3 0.00							3 0	3 0	
						36 4.00							36 4	36 4	697
175	5 S26	SLAB	E	20		37 0.00							37 0	37 0	6753
34	5 S27	SLAB	E	20	1	3 5.00							3 5	3 5	
						36 9.00							36 9	36 9	712
112	4 S28	SLAB	E	10 S		6.00	6.50	3 8.00	6.00				5 9	5 5	405
16	4 S29	SLAB	E	20		13 6.00							13 6	13 6	144
		PHASE 3													
40	6 S30	SLAB	E	20	1	3 0.00							3 0	3 0	
						36 11.00							36 11	36 11	1199
204	6 S31	SLAB	E	20		37 0.00							37 0	37 0	11337
40	6 S32	SLAB	E	20	1	2 9.00							2 9	2 9	
						36 6.00							36 6	36 6	1179
93	5 S33	SLAB	E	20		42 10.00							42 10	42 10	4155
141	5 S34	SLAB	E	20		43 3.00							43 3	43 3	6360
34	5 S35	SLAB	E	20	1	3 5.00							3 5	3 5	
						36 9.00							36 9	36 9	712
175	5 S36	SLAB	E	20		37 0.00							37 0	37 0	6753
34	5 S37	SLAB	E	20	1	3 0.00							3 0	3 0	
						36 4.00							36 4	36 4	697
112	4 S38	SLAB	E	10 S		6.00	6.50	3 8.00	6.00				5 9	5 5	405
16	4 S39	SLAB	E	20		13 6.00							13 6	13 6	144
		TYPE D BARRIER													
		(ALL PHASES)													
20	5 K1	BARRIER	E	27 S		3 5.00	9.25	5.38	2 11.75		5.25	1.00	7 7	7 5	155
86	5 K2	BARRIER	E	27 S		3 5.00	9.25	14.50	2 2.75		14.25	2.75	7 8	7 5	665
4	5 K3	BARRIER	E	27 S		22.50	9.25	14.50	7.75	12.00	14.25	2.75	5 6	5 2	22
20	5 K4	BARRIER	E	19 S	4	2 4.25	10.00						3 2	3 1	
						2 6.25	10.00						3 4	3 3	66
20	5 K5	BARRIER	E	38 S	4			18.50	9.50	8.25	18.00	4.00	3 0	2 11	
		BARRIER						20.50	9.50	8.25	20.00	4.50	3 2	3 1	63
12	5 K6	BARRIER	E	19 S		2 6.75	10.00						3 5	3 4	42
12	5 K7	BARRIER	E	21 S			2 6.63	10.00			2 6.00	6.25	3 5	3 3	41
36	5 K8	BARRIER	E	19 S	4	2 8.50	10.00						3 7	3 5	
						3 2.50	10.00						4 1	3 11	139
36	5 K9	BARRIER	E	21 S	4		2 8.50	10.00			2 7.75	6.75	3 7	3 5	
							3 2.50	10.00			3 1.75	7.75	4 1	3 11	139
42	5 K10	BARRIER	E	19 S		3 3.00	10.00						4 1	4 0	175
42	5 K11	BARRIER	E	21 S			3 3.00	10.00			2 2.25	7.75	4 1	3 10	168
24	5 K12	BARRIER	E	20		16 4.00							16 4	16 4	409
12	5 K13	BARRIER	E	20	4	15 7.00							15 7	15 7	
						9 7.00							9 7	9 7	157
24	5 K14	BARRIER	E	20		17 1.00							17 1	17 1	428
12	5 K15	BARRIER	E	20	4	16 4.00							16 4	16 4	
						10 4.00							10 4	10 4	167
236	5 R1	BARRIER	E	26		3 3.00	5.50	2.25	3 1.00	5.50	3 0.75	6.75	6 8	6 7	1620
236	5 R2	BARRIER	E	19 S		20.50	9.50						2 6	2 5	595
236	5 R3	BARRIER	E	27 S			9.50	15.25	5.00	12.00	15.00	3.00	3 6	3 4	820
40	5 R4	BARRIER	E	20		59 11.00							59 11	59 11	2500
		SLIP FORM													
		(ALL PHASES)													
16	5 C1	BARRIER	E	20		12 0.00							12 0	12 0	200

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 2-BR26.

All bars shall be Grade 60.

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

BILL OF REINFORCING STEEL

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR28
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

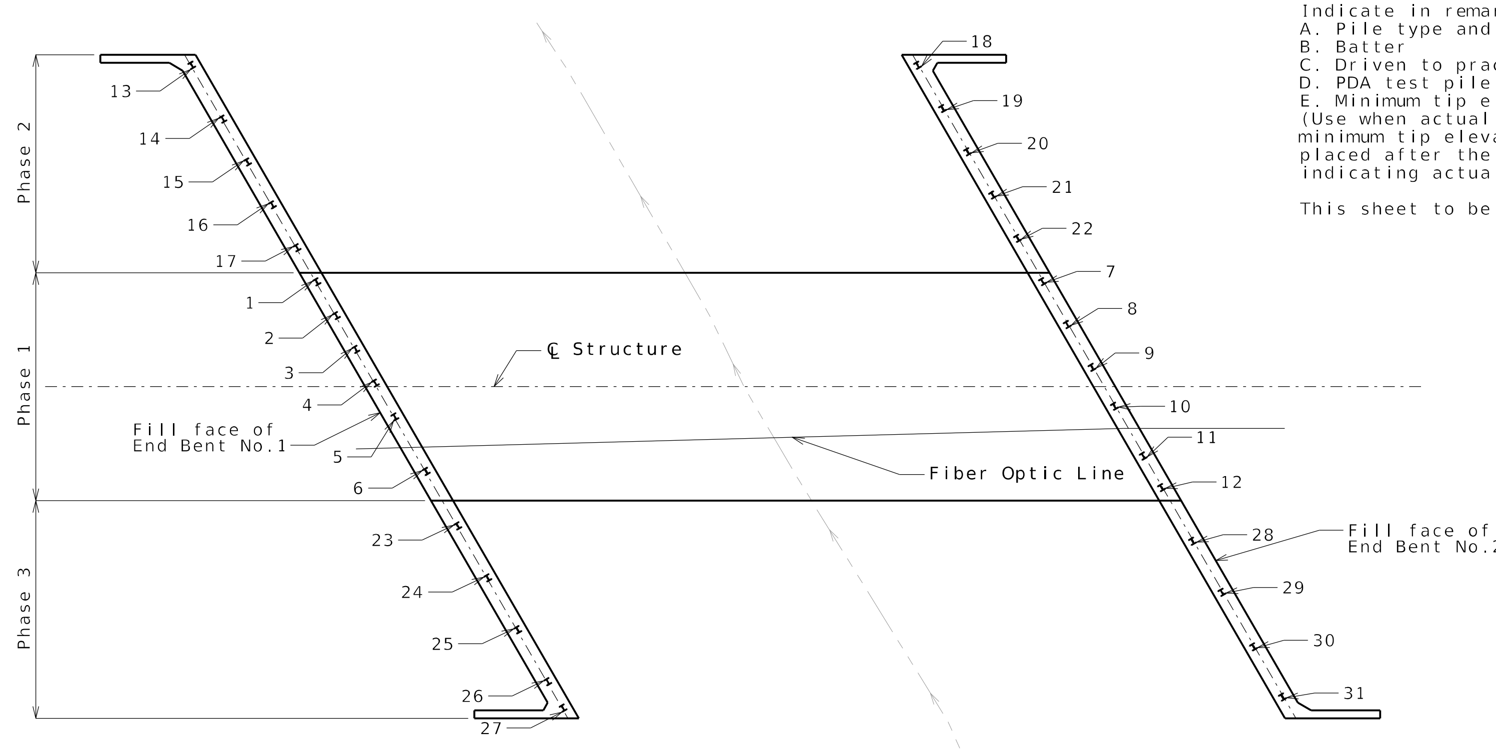
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720
HG CONSULT, INC.
PRO. ENGINEER 2010005873

Note:
Indicate in remarks column:
A. Pile type and grade
B. Batter
C. Driven to practical refusal
D. PDA test pile
E. Minimum tip elevation controlled
(Use when actual blow count is less than PDA blow count due to minimum tip elevation requirement. A plus sign (+) shall be placed after the PDA nominal axial compressive resistance value indicating actual value is higher than PDA value.)

This sheet to be completed by MoDOT construction personnel.



PART PLAN SHOWING PILE NUMBERING FOR RECORDING AS-BUILT PILE DATA

As-Built Pile Data

Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
			Phase 1 End Bent No. 1		
1					
2					
3					
4					
5					
6					
			Phase 1 End Bent No. 2		
7					
8					
9					
10					
11					
12					

As-Built Pile Data

Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
			Phase 2 End Bent No. 1		
13					
14					
15					
16					
17					
			Phase 2 End Bent No. 2		
18					
19					
20					
21					
22					

As-Built Pile Data

Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
			Phase 3 End Bent No. 1		
23					
24					
25					
26					
27					
			Phase 3 End Bent No. 2		
28					
29					
30					
31					

AS-BUILT PILE DATA

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED	9/12/2025
ROUTE	I-70
STATE	MO
DISTRICT	BR
SHEET NO.	2-BR29
COUNTY	LAFAYETTE
JOB NO.	JST0019
CONTRACT ID.	250507-C01
PROJECT NO.	
BRIDGE NO.	A9741

REVISIONS

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

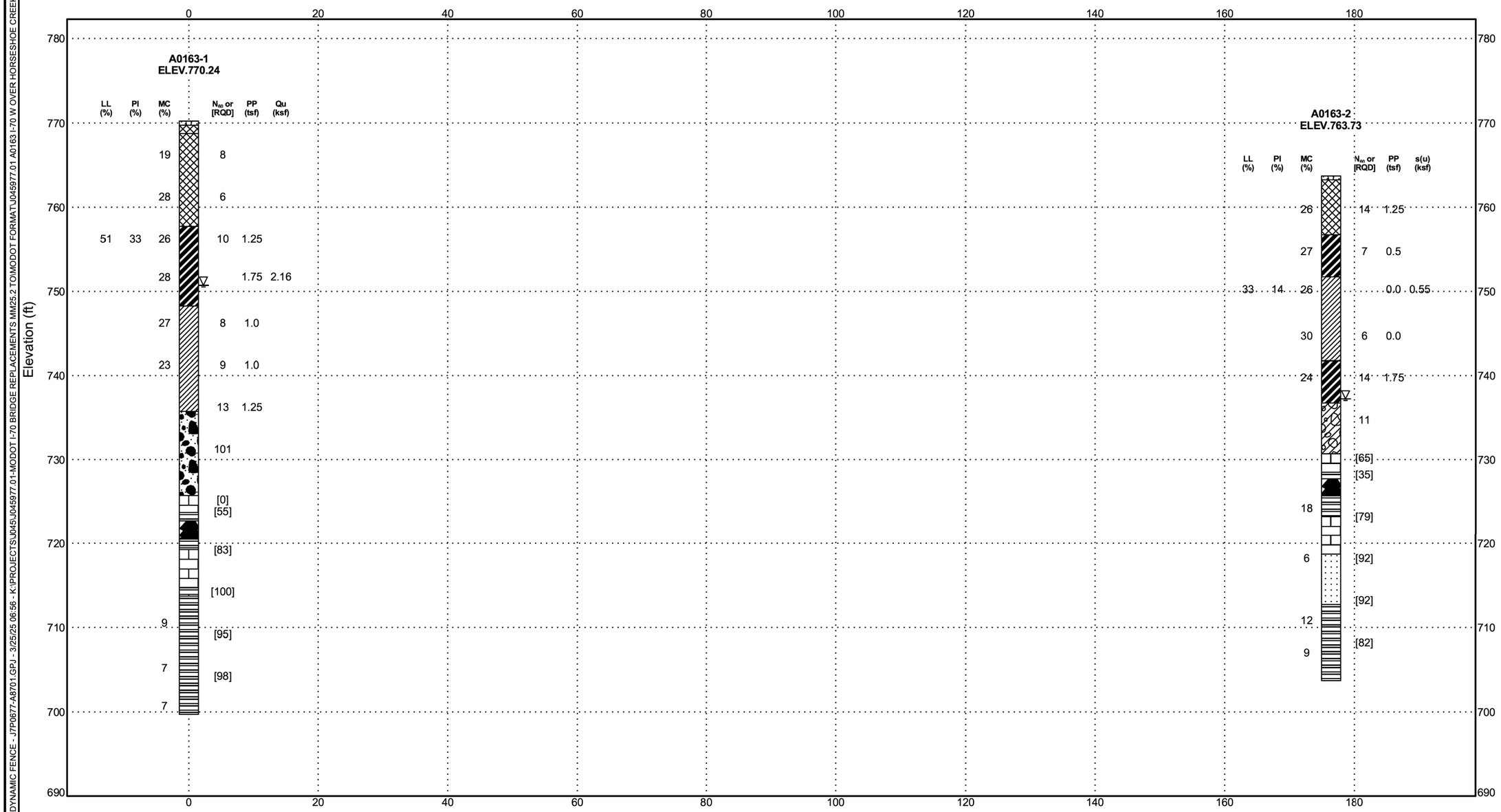
Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Geotechnology

SUBSURFACE DIAGRAM

PROJECT NAME Bridge A0163
PROJECT LOCATION Interstate 70 MM 29.4
CLIENT Hg Consult, Inc./MoDOT
PROJECT NUMBER J4I2293

Topsoil
USCS Low Plasticity Clay
Shale
Sandstone
Fill (made ground)
USCS Well-graded Sandy Gravel
Coal
USCS High Plasticity Clay
Limestone
USCS Clayey Gravel



BORING DATA

Note: For locations of borings, see Sheet No. 2-BR01.

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI JUSTIN M. DAVIS NUMBER PE-2007020256 PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR30
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9741

NO.	DATE	APPD. BY	REVISIONS
A	08-13-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
B	09-08-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
1	09-12-25	JMD	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave. - Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

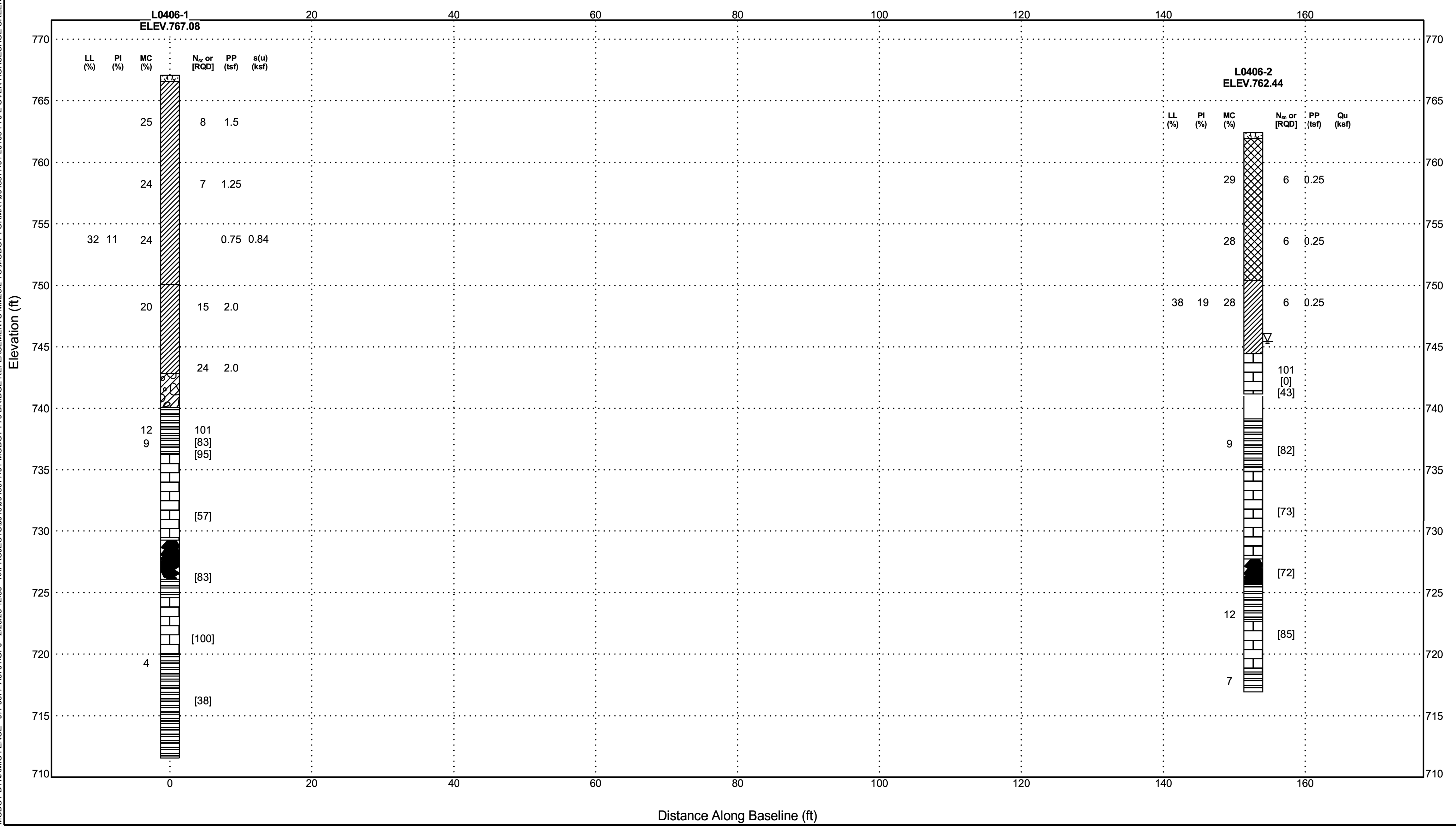
BOR01_BoringLogTemplate   Effective: Apr. 2021   Supersedes: Aug. 2018

MoDOT Geotechnology

SUBSURFACE DIAGRAM

PROJECT NAME Bridge L0406
PROJECT LOCATION I-70 E over Horseshoe Creek
CLIENT Hg Consult, Inc./MoDOT
PROJECT NUMBER J4I2293

Legend: Topsoil; Shale; Fill (made ground); USCS Low Plasticity Clay; Limestone; USCS Clayey Gravel; Coal



BORING DATA

Note: For locations of borings, see Sheet No. 2-BR01.

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 31 of 31

STATE OF MISSOURI JUSTIN M. DAVIS NUMBER PE-2007020256 PROFESSIONAL ENGINEER

DATE PREPARED	9/12/2025
ROUTE	I-70
STATE	MO
DISTRICT	BR
SHEET NO.	2-BR31
COUNTY	LAFAYETTE
JOB NO.	JST0019
CONTRACT ID.	250507-C01
PROJECT NO.	
BRIDGE NO.	A9741

REVISIONS

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

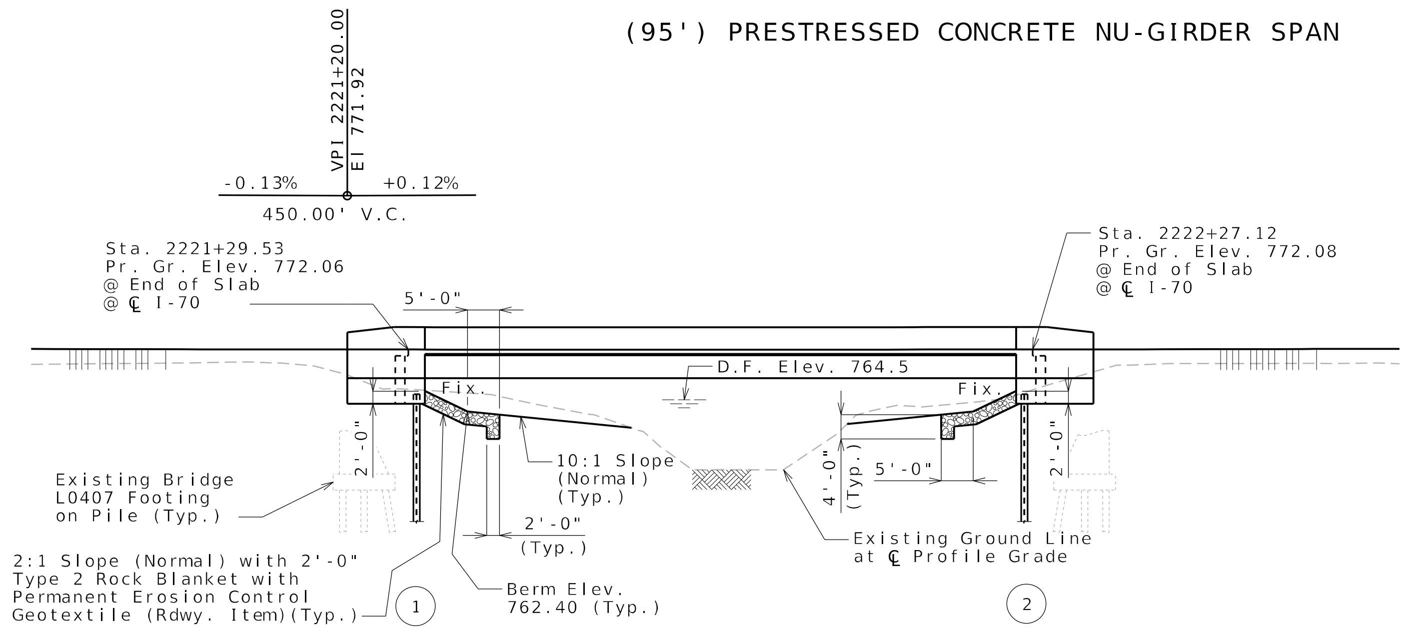
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SEG2_B_A9741_002-BR31_JST0019_BORINGS.dgn 9:20:01 PM 9/12/2025

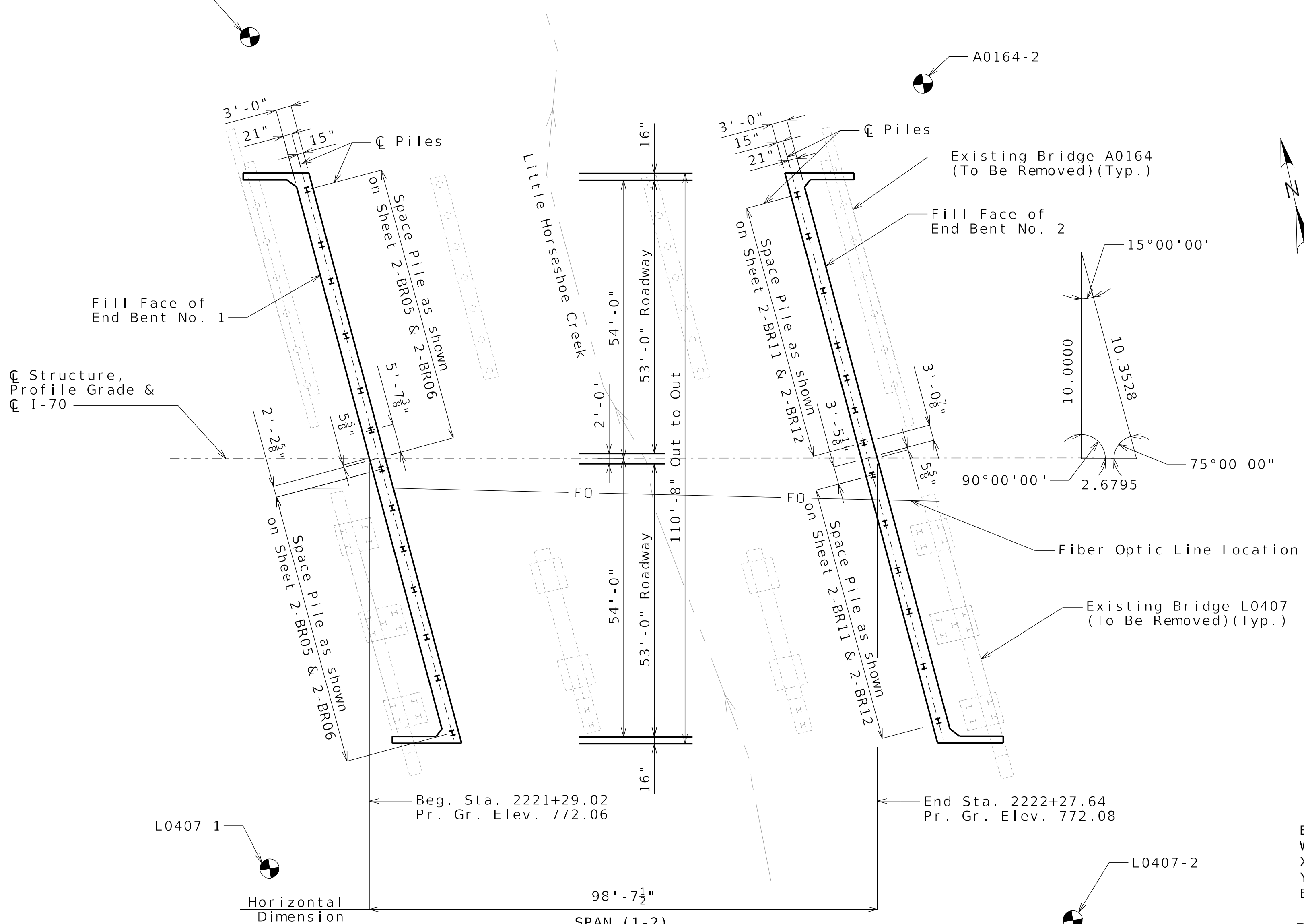
SEC/SUR 34 TWP 49N RGE 29W

(95') PRESTRESSED CONCRETE NU-GIRDER SPAN



GENERAL ELEVATION

Roadway fill shall be completed to the final roadway section and up to the elevation of the bottom of the concrete beam within the limits of the structure and for not less than 25 feet in back of the fill face of the end bents before any piles are driven for any bents falling within the embankment section.



PLAN

⊕ Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations, are shown on Sheets No. 2-BR25 to 2-BR30.

B.M. 93273 = RIVOT AND WASHER IN
WEST END OF SOUTH BRIDGE WALL
X: 243066.496
Y: 1703342.788
ELEV. 772.82

BRIDGE: ROUTE I-70 OVER LITTLE HORSESHOE CREEK

ROUTE I-70 FROM COUNTY LINE TO ROUTE D
ABOUT 0.35 MILES E OF COUNTY LINE
BEGIN STATION 2221+29.02

Designed JULY 2025
Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED	
9/12/2025	
ROUTE: I-70	STATE: MO
DISTRICT: BR	SHEET NO.: 2-BR01
COUNTY: LAFAYETTE	
JOB NO.: JST0019	
CONTRACT ID.: 250507-C01	
PROJECT NO.	
BRIDGE NO.: A9742	

NO.	APPD. BY	DATE	REVISIONS
A	JMD	07-28-25	EARLY BRIDGE PACKAGE 60% PLANS
B	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
C	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

REV.

SEG2_B_A9742_002-BR01_JST0019_GPE.dgn 9:07:23 PM 9/12/2025

Estimated Quantities for Slab on Concrete NU-Girder		
Item		Total
Class B-2 Concrete	cu. yard	453
Reinforcing Steel (Epoxy Coated)	pound	108,050

Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

Slab shall be cast-in-place with stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

All concrete above the construction joint in the end bents is included in the Estimated Quantities for Slab on Concrete NU-Girder.

All reinforcement in the end bents is included in the Estimated Quantities for Slab on Concrete NU-Girder.

Hydrologic Data
Drainage Area = 3.4 mi^2
Design Flood Frequency = 100 years
Design Flood Discharge = 2100 cfs
Design Flood (D.F.) Elevation = 764.5
Estimated Backwater = 0.3 ft
Average Velocity thru Opening = 4.8 ft/s
Freeboard (50-year)
Freeboard = 2.4 ft
Roadway Overtopping
Overtopping Flood Discharge = N/A
Overtopping Flood Frequency = >500 years
500-Year Flood Elevation = 765.8

Foundation Data				
Type	Design Data		Bent Number	
			1	2
Load Bearing Pile	Pile Type and Size		HP12x53	HP12x53
	Number	ea	13	13
	Approximate Length per Each	ft	63	64
	Pile Point Reinforcement	ea	All	All
	Min. Galvanized Penetration (Elev.)		Full Length	Full Length
	Pile Driving Verification Method		DT	DT
	Resistance Factor		0.65	0.65
	Minimum Nominal Axial Compressive Resistance	kip	416	416

DT = Dynamic Testing

Load Bearing Pile:
Minimum Nominal Axial Compressive Resistance = $\frac{\text{Maximum Factored Loads}}{\text{Resistance Factor}}$

Minimum Nominal Axial Compressive Resistance value based on the critical individual pile.

All piles shall be galvanized down to the minimum galvanized penetration (elevation).

Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

All piles are anticipated to be driven to refusal on rock. Review all borings for depth of rock and restrict driving as appropriate to comply with hard rock driving criteria in accordance with Sec 702.When pile refusal on rock occurs, as approved by the engineer, the minimum nominal axial compressive resistance is verified and no additional pile driving verification method is required.

The contractor shall make every effort to achieve the minimum galvanized penetration (elevation) shown on the plans for all piles. Deviations in penetration less than 5 feet of the minimum will be considered acceptable provided the contractor makes the necessary corrections to ensure the minimum penetration is achieved on subsequent piles.

GENERAL NOTES:

Design Specifications:

2020 AASHTO LRFD Bridge Design Specifications, (9th Ed.)
Seismic Design Category = A (Nonseismic)
Design earthquake response spectral acceleration coefficient at 1.0 second period, SD1 = 0.091g
Acceleration Coefficiant (effective peak ground acceleration coefficient), As = 0.053g
Operational Importance Factor = 1.05.

Design Loadings:

Vehicular= HL-93
Future Wearing Surface = 35 lb/sf
Earth = 120 lb/cf, Equivalent Fluid Pressure = 45 lb/cf (minimum)
Superstructure: Non-Composite for dead load.
Composite for live load.

Design Unit Stresses:

Class B Concrete (Substructure)	f'c = 3,000 psi
Class B-1 Concrete (Barrier)	f'c = 4,000 psi
Class B-2 Concrete (Superstructure, except Prestressed Girders and Barrier)	f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60)	fy = 60,000 psi
Structural Steel HP Pile (ASTM A709 Grade 50)	fy = 50,000 psi

For Prestressed Girder Stresses, See Sheet No. 2-BR16.

Neoprene Pads:

Neoprene Bearing Pads shall be 60 durometer and shall be in accordance with Sec 716.

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Standard Plans:

617.10 for Type C Barrier

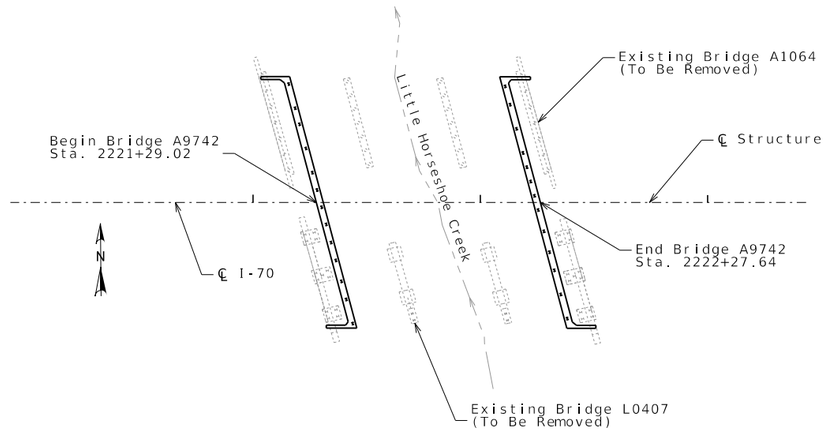
Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

Traffic Control:

Traffic to be maintained on structures during construction. See roadway plans for traffic control and Sheets No. 2-BR03 and 2-BR04 for staged construction details.



LOCATION SKETCH

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR02

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

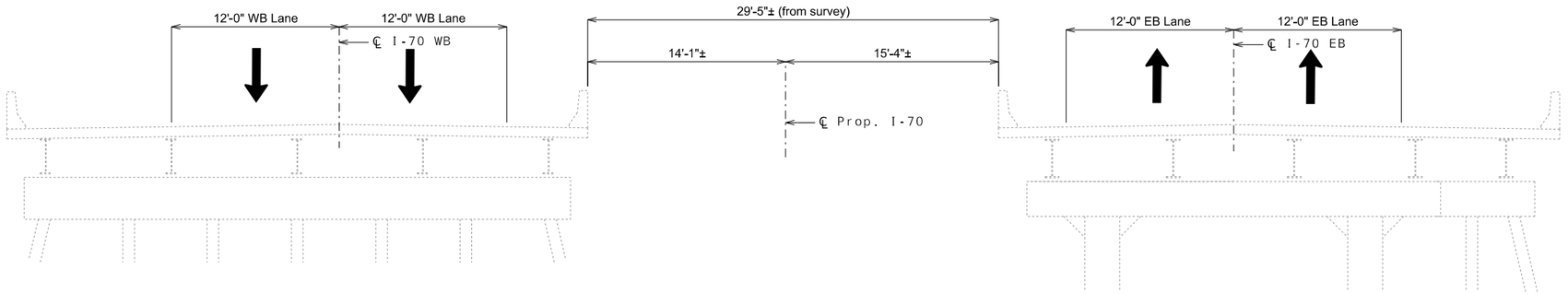
PROJECT NO.

BRIDGE NO.
A9742

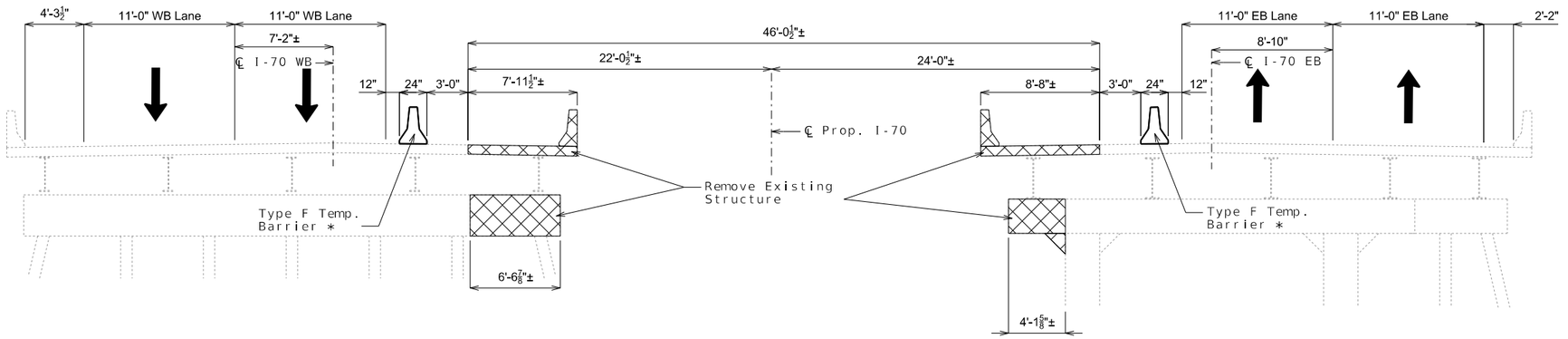
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

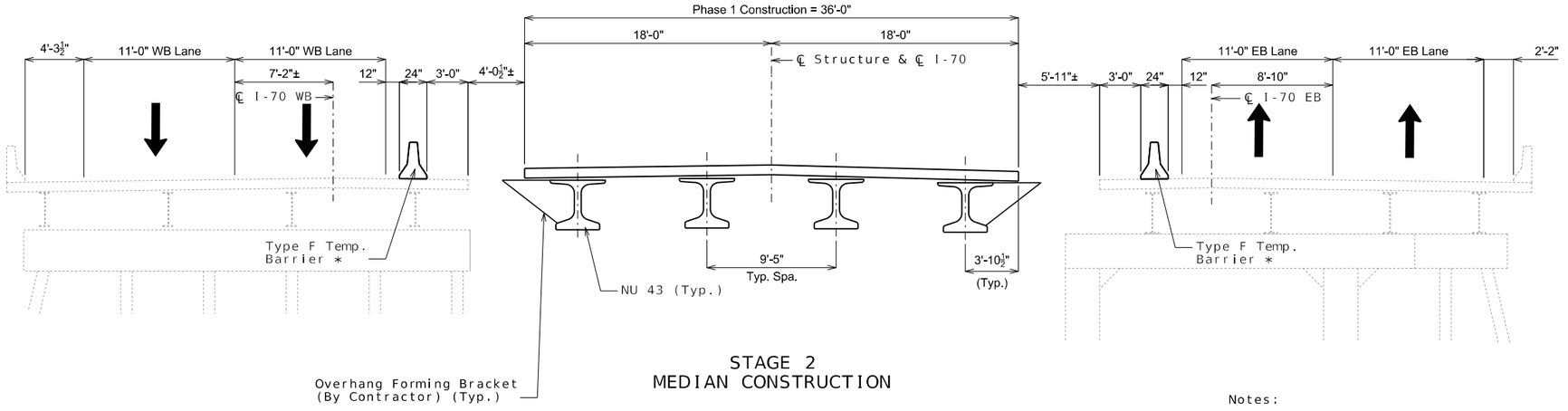
Consult Inc engineers planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



EXISTING



STAGE 1
MODIFY EXISTING



STAGE 2
MEDIAN CONSTRUCTION

STAGED CONSTRUCTION DETAILS

Notes:

* Temporary barrier shall not be attached to the bridge.

See Missouri Standard Plans 617.20 for details of temporary Type F Barrier not shown.

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUDY M. DAVIS
NOTARY NUMBER 12E-20070220256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR03

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

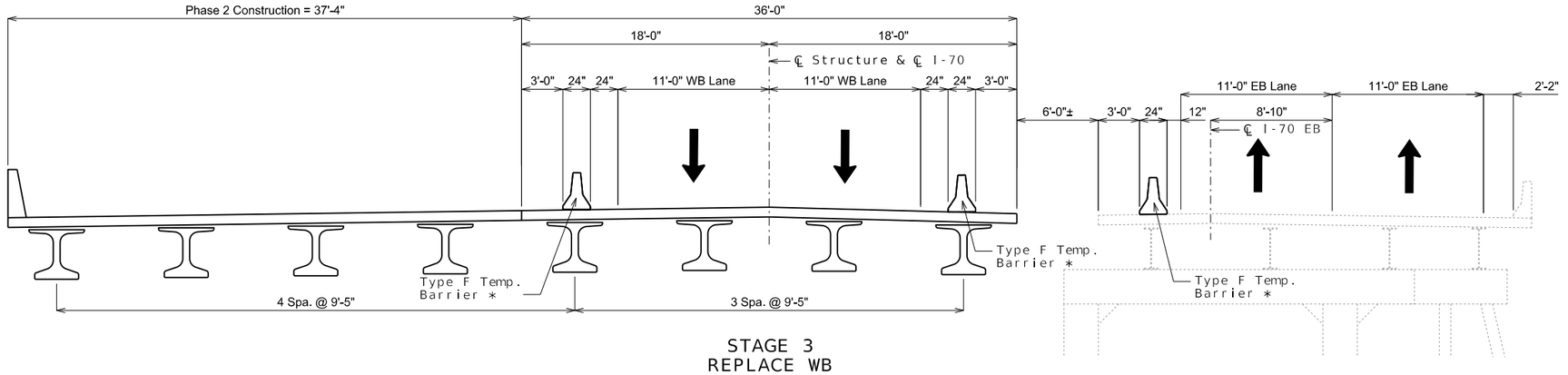
PROJECT NO.

BRIDGE NO.
A9742

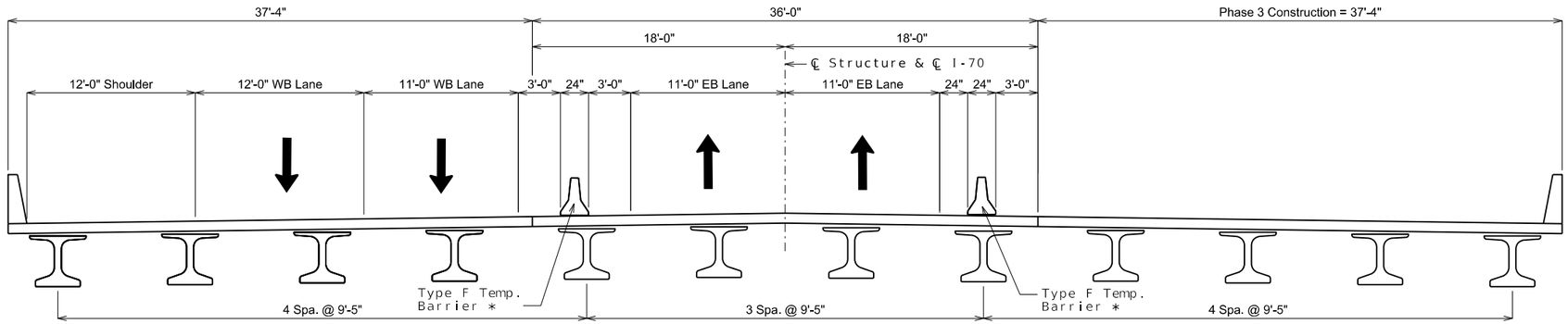
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

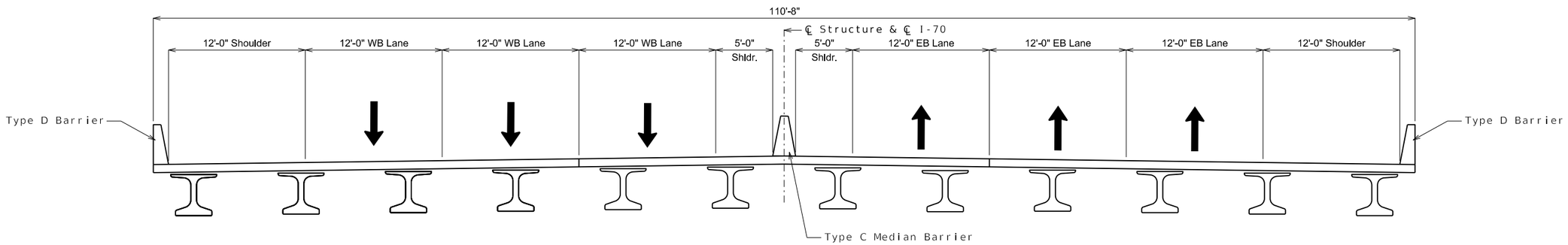
Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Mg CONSULT, INC.
PRO. ENGINEER 2010005873



STAGE 3
REPLACE WB



STAGE 4
REPLACE EB



FINAL

Notes:

* Temporary barrier shall not be attached to the bridge.

See Missouri Standard Plans 617.20 for details of temporary Type F Barrier not shown.

STAGED CONSTRUCTION DETAILS

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

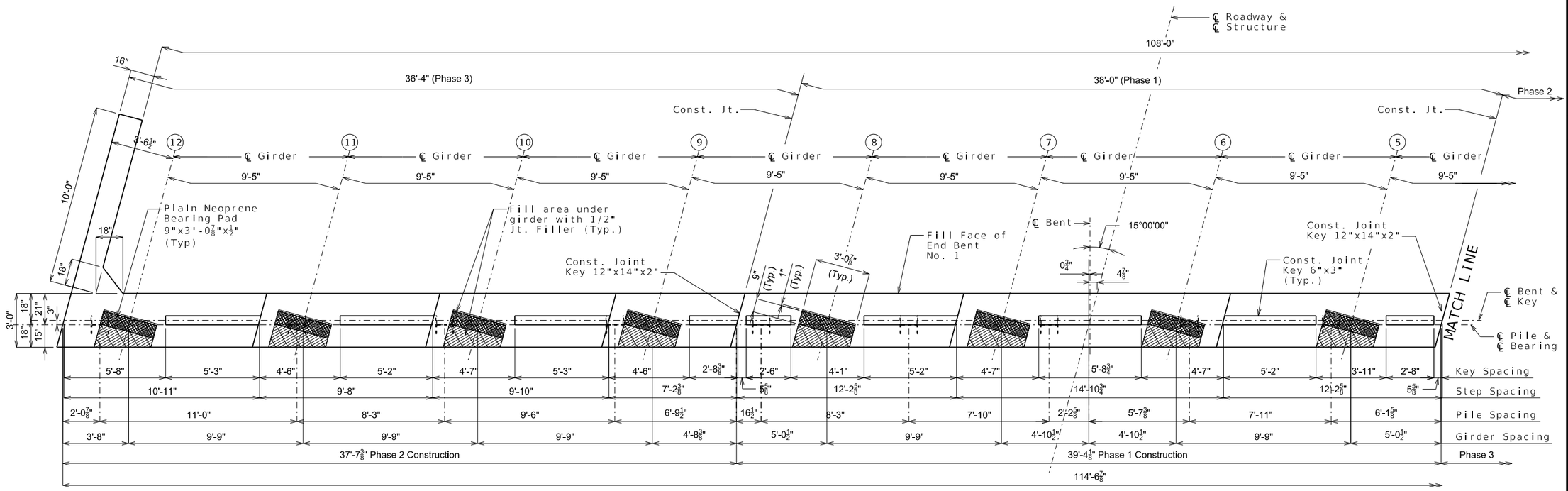
STATE OF MISSOURI
JUDY M. MOORE
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED: 9/12/2025
ROUTE: I-70
STATE: MO
DISTRICT: BR
SHEET NO.: 2-BR04
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

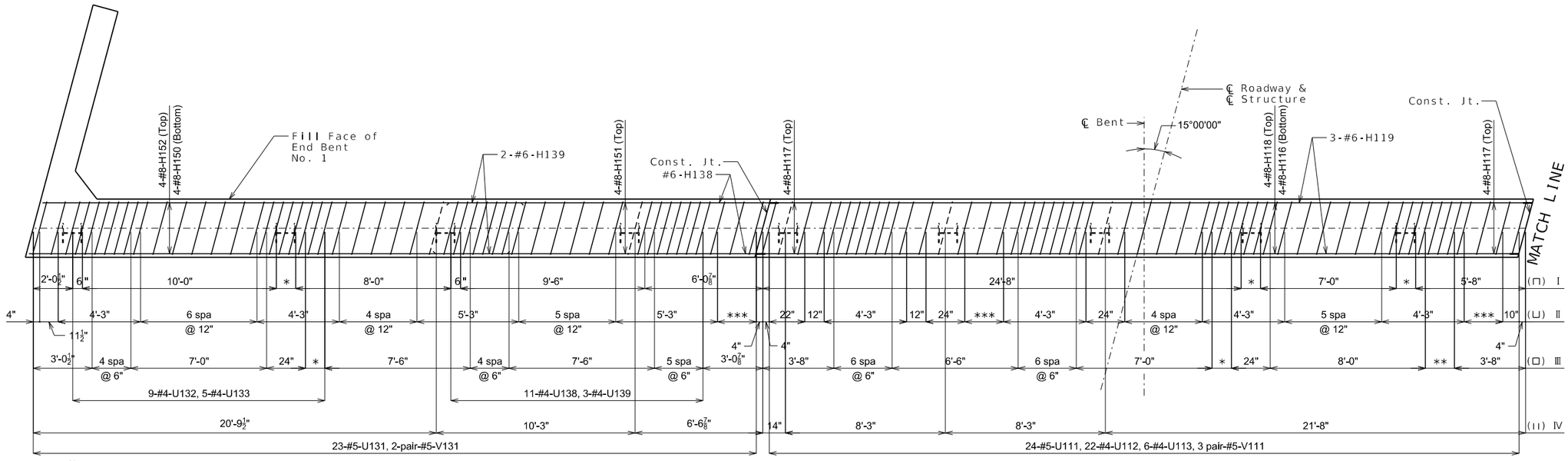
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



PLAN OF BEAM - PHASE 1 & 3



PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 1 & 3

(Keys & Steps not shown for clarity)

* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"

I - #4-U113, U133, U139 space as shown
II - #5-U111, U131 space as shown
III - #4-U112, U132, U138 space as shown
IV - Pairs of #5-V111, V131 space as shown

Notes:

Work this sheet with Sheets No. 2-BR06 thru 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

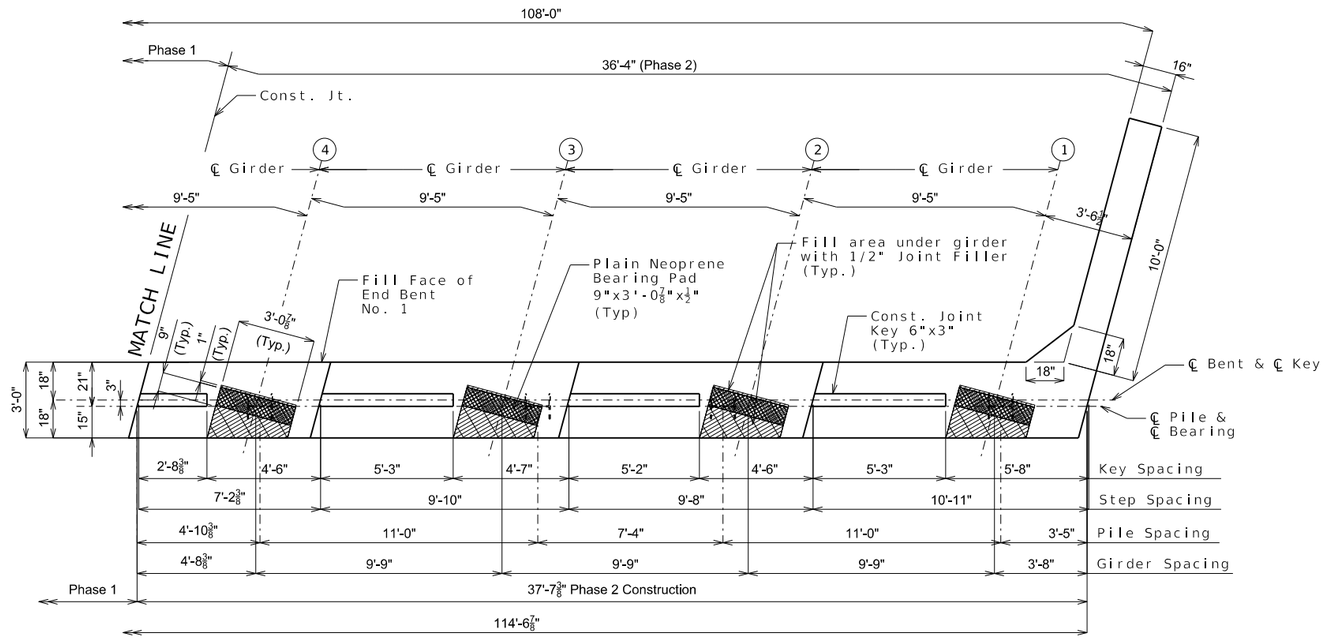
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR05

COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

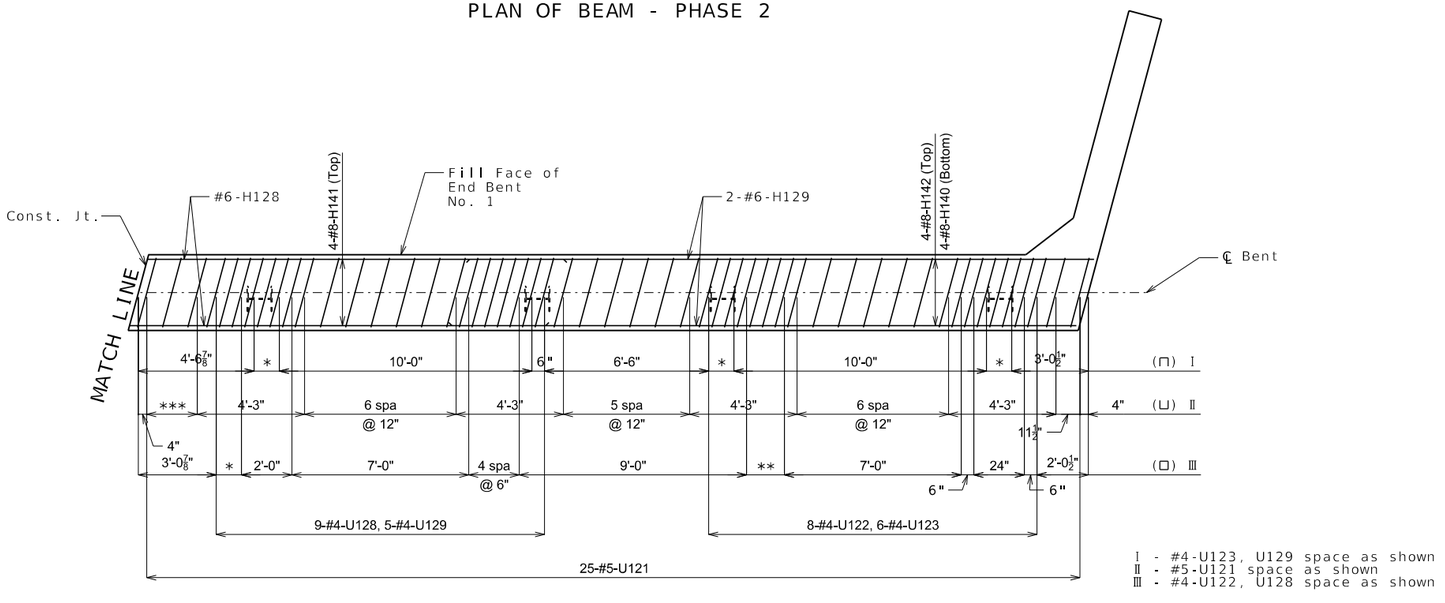
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
7733 N. Wallace Ave. - Kansas City, MO 64158 - (816)912-4720
PRO. ENGINEER 2010005873



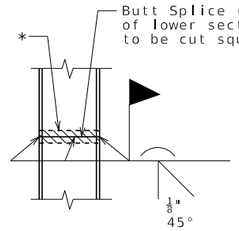
PLAN OF BEAM - PHASE 2



I - #4-U123, U129 space as shown
II - #5-U121 space as shown
III - #4-U122, U128 space as shown

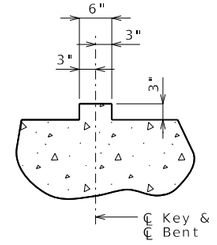
PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 2
(Keys & Steps not shown for clarity)

* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"



STEEL PILE SPLICE
(If required)

* Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.



SECTION THRU KEY

Notes:

Work this sheet with Sheets No. 2-BR05 thru 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

Detailed JULY 2025
Checked AUG. 2025

DETAILS OF END BENT NO. 1

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 30

STATE OF MISSOURI
JUSTIN M. JONES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR06

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9742

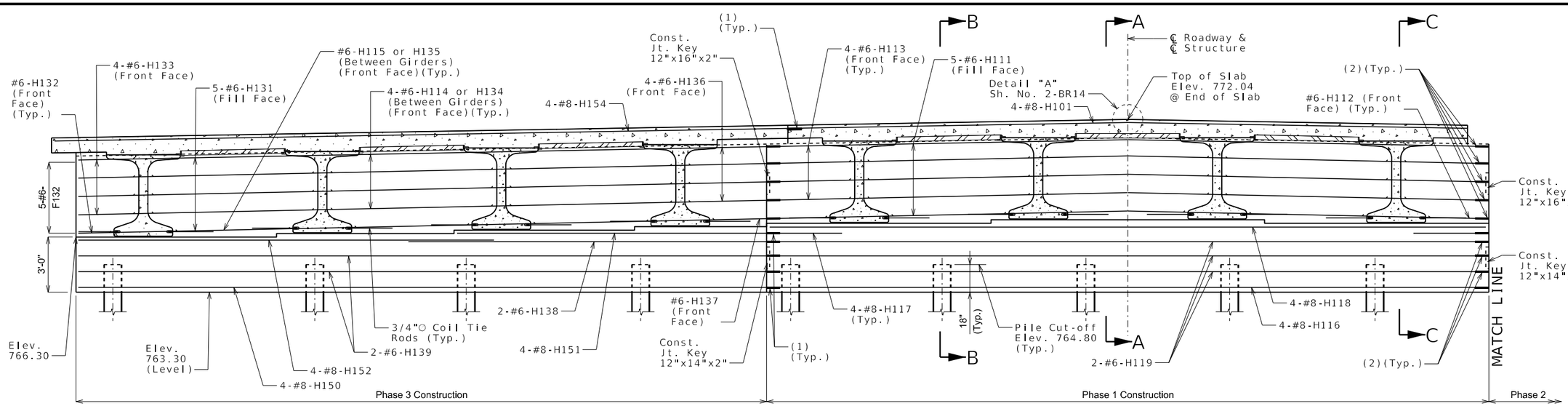
REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64152 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

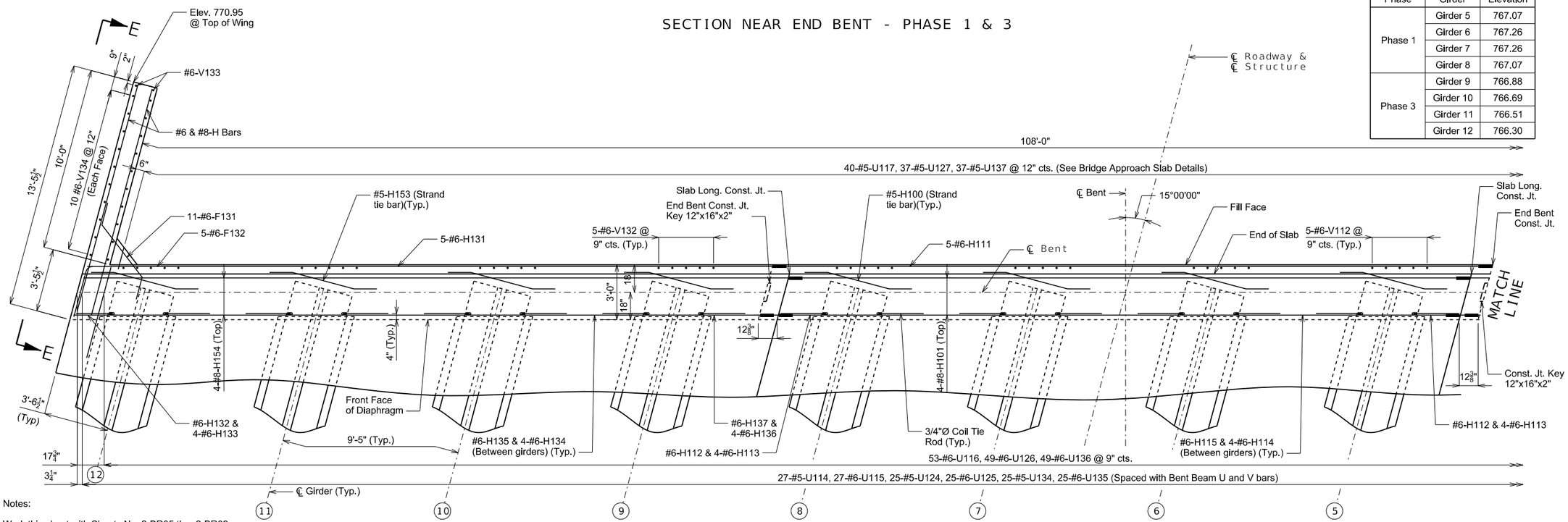
SEG2_B_A9742_002-BR06_JST0019_END BENT 1-2.dgn 9:07:44 PM 9/12/2025



Mechanical Bar Splices:
(1) - #8 to #8 bar (24 Total)
(2) - #6 to #6 bar (32 Total)

SECTION NEAR END BENT - PHASE 1 & 3

Bent No. 1 Bearing Seat Elevations		
Phase	Girder	Elevation
Phase 1	Girder 5	767.07
	Girder 6	767.26
	Girder 7	767.26
	Girder 8	767.07
Phase 3	Girder 9	766.88
	Girder 10	766.69
	Girder 11	766.51
	Girder 12	766.30



PART PLAN - PHASE 1 & 3

Notes:

Work this sheet with Sheets No. 2-BR05 thru 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Sections A-A, B-B & C-C and Elevation E-E, see Sheet No. 2-BR09.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

Notes (cont.):

The #6-F131 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H100 & H153 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR24.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR07
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

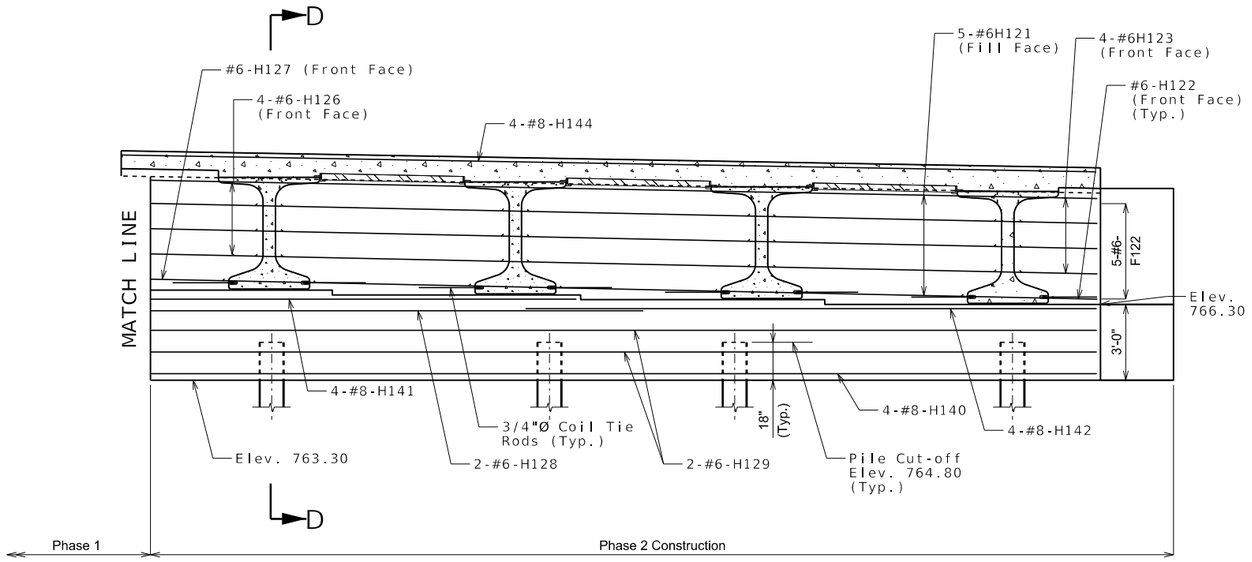
REVISIONS

NO.	APPD. BY	DATE
A	JMD	08-13-25
B	JMD	09-08-25
1	JMD	09-12-25

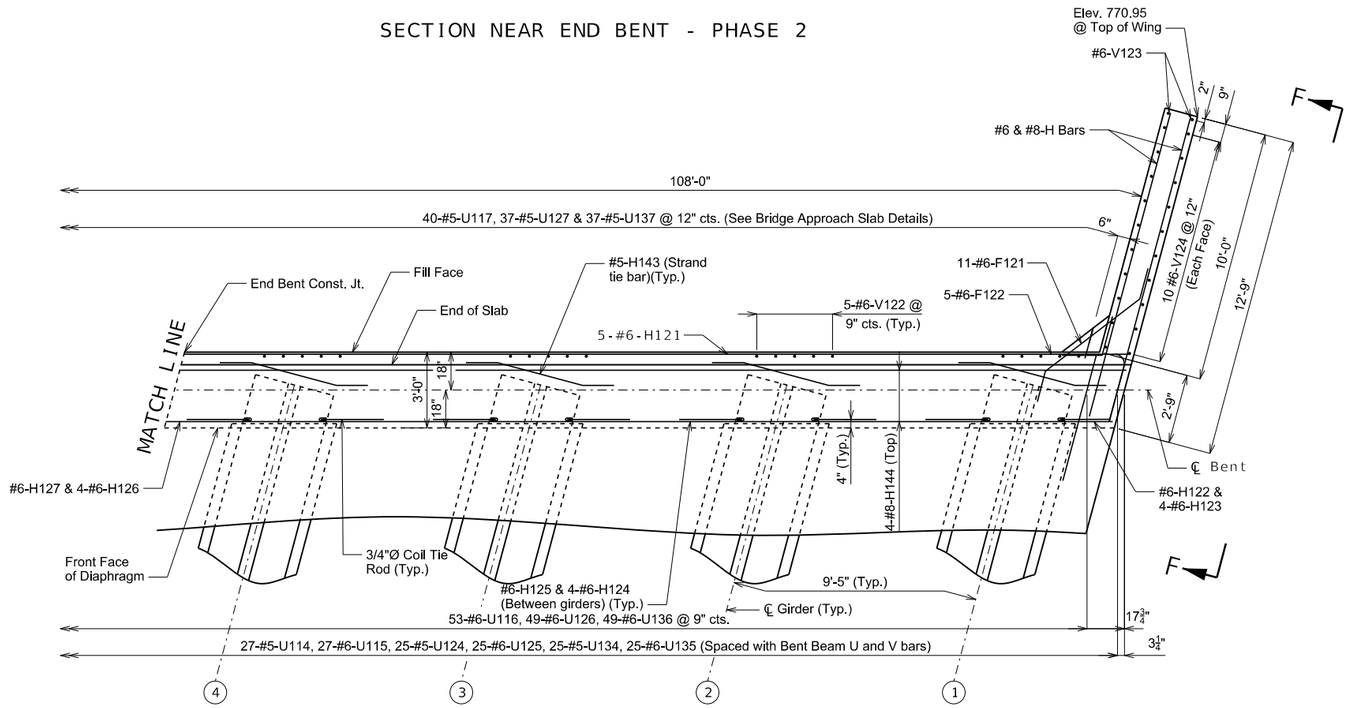
EARLY BRIDGE PACKAGE FINAL PLANS
EARLY BRIDGE PACKAGE FINAL PLANS
EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult engineers Inc planners
7733 N. Wallace Ave. ; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

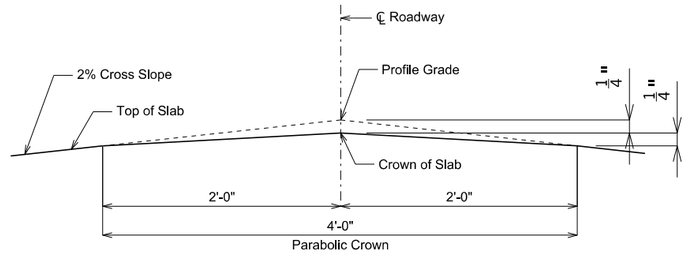


SECTION NEAR END BENT - PHASE 2



PART PLAN - PHASE 2

Bent No. 1 Bearing Seat Elevations		
Phase	Girder	Elevation
Phase 2	Girder 1	766.30
	Girder 2	766.51
	Girder 3	766.69
	Girder 4	766.88



DETAIL A

Notes:

Work this sheet with Sheets No. 2-BR05 thru 2-BR09.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Section D-D and Elevation F-F, see Sheet No. 2-BR09.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

The #6-F121 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H143 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR24.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

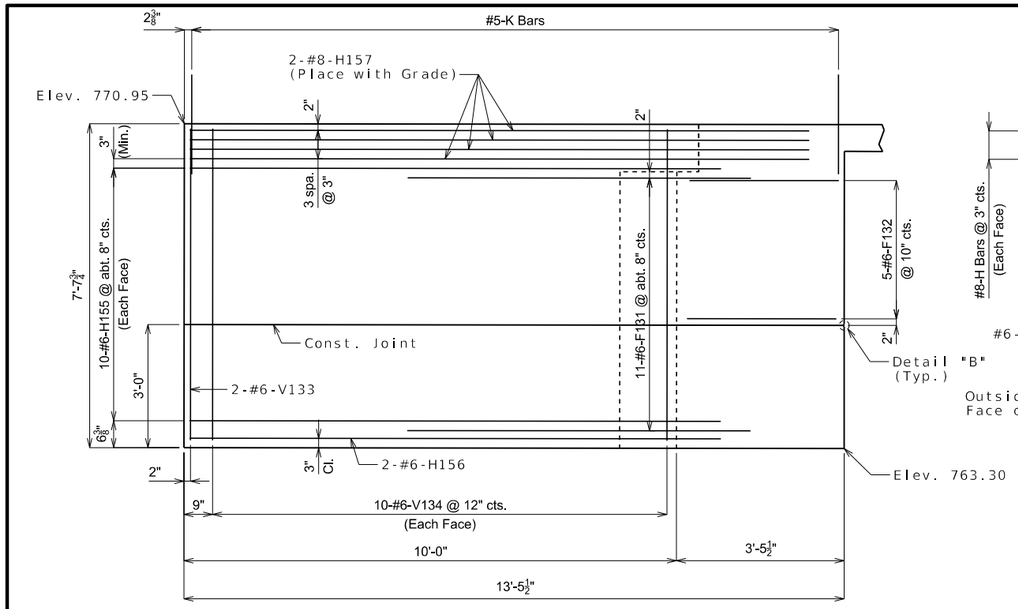
STATE OF MISSOURI
JUSTIN M. DAMS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR08
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

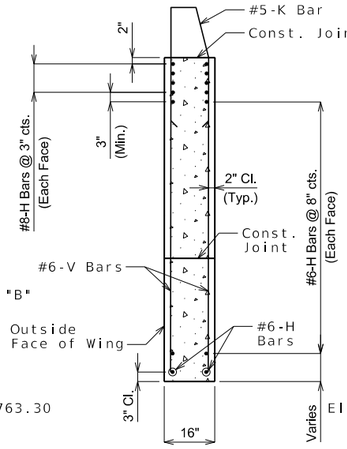
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

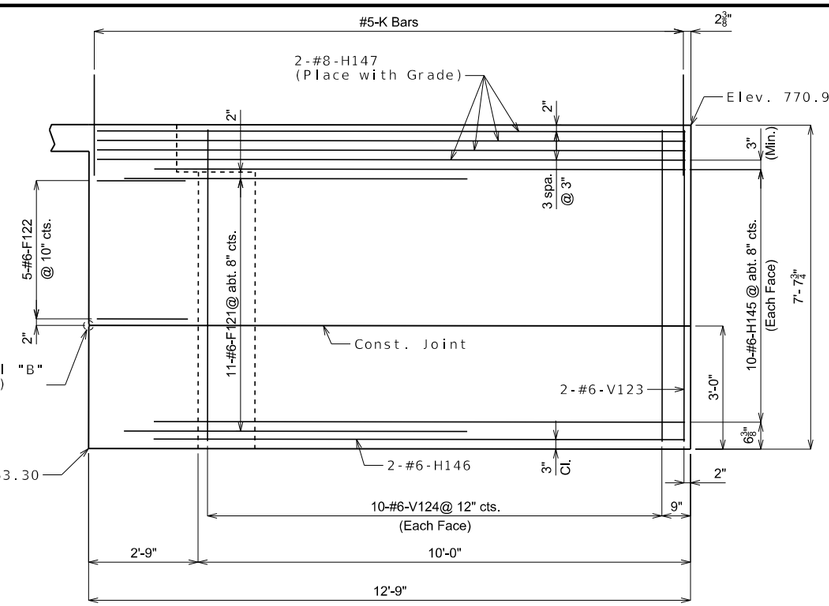
Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



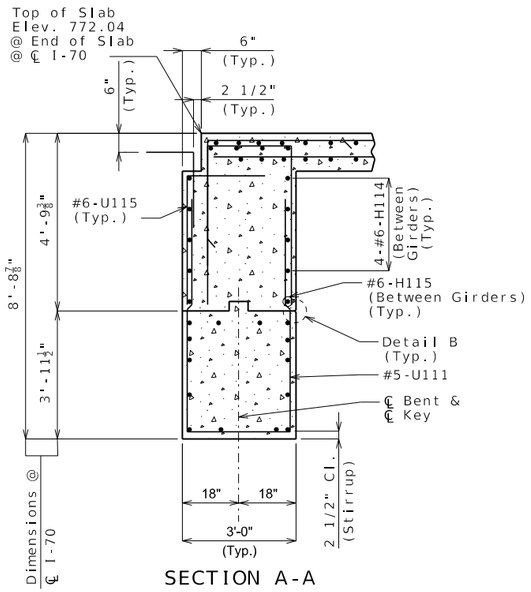
ELEVATION E-E



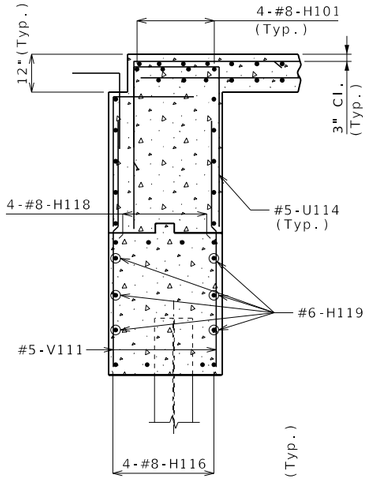
TYPICAL SECTION THRU WING



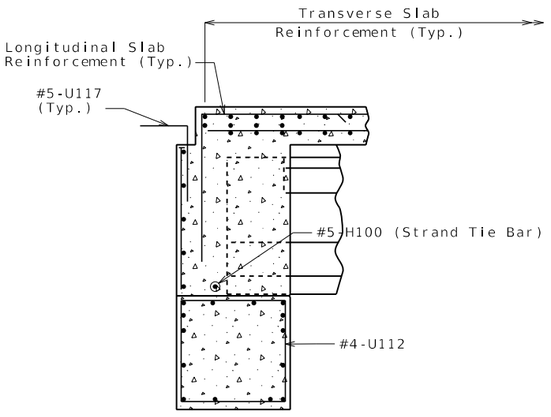
ELEVATION F-F



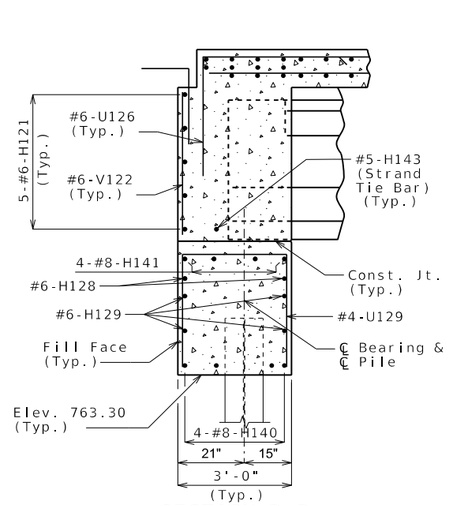
SECTION A-A



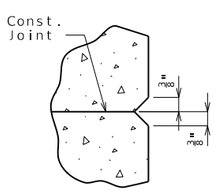
SECTION B-B



SECTION C-C



SECTION D-D



DETAIL "B"

Notes:

Work this sheet with Sheets No. 2-BR05 thru 2-BR08.

For locations of Sections A-A, B-B, C-C & D-D and Elevations E-E & F-F, see Sheets No. 2-BR07 & 2-BR08.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

For details and reinforcement of Barrier not shown, see Sheet No. 2-BR23.

The #6-F121 & #6-F131 bars shall be bent in the field to clear girders.

DETAILS OF END BENT NO. 1

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

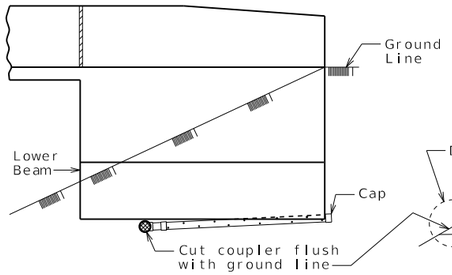
STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70
STATE MO
DISTRICT BR
SHEET NO. 2-BR09
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

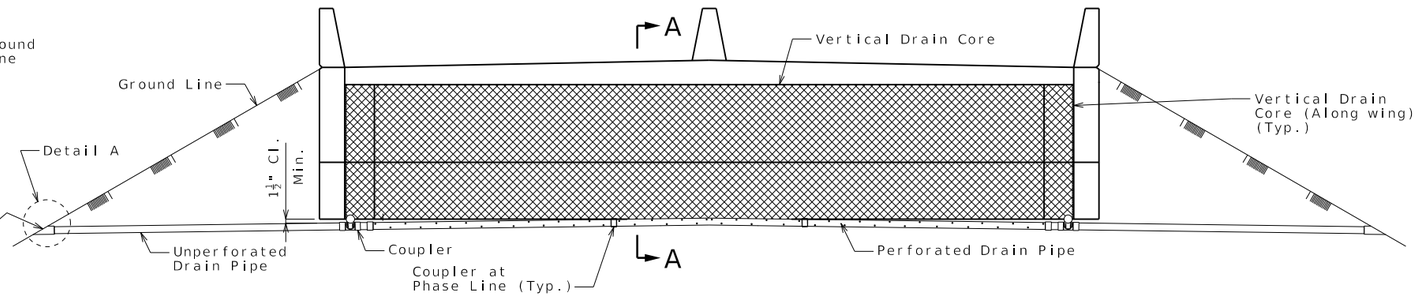
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

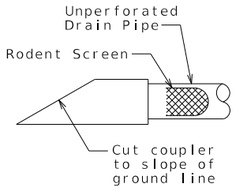
Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



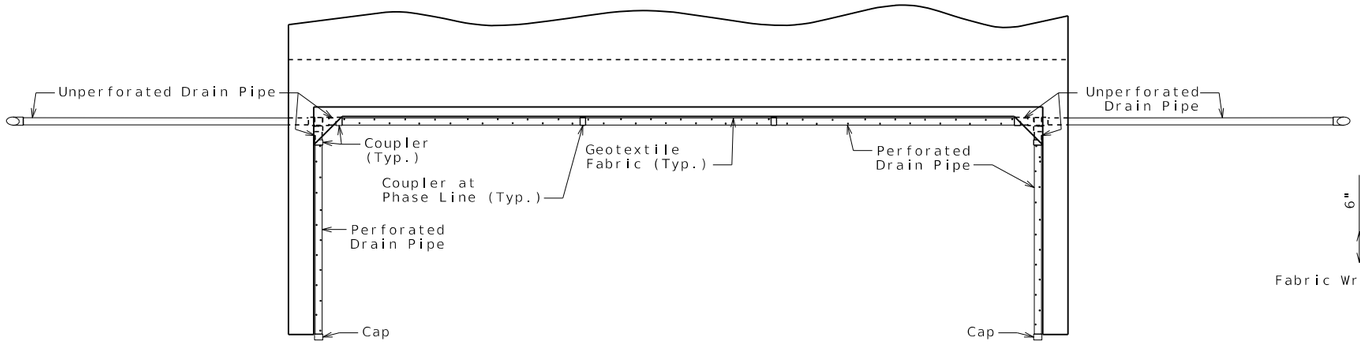
ELEVATION OF WING



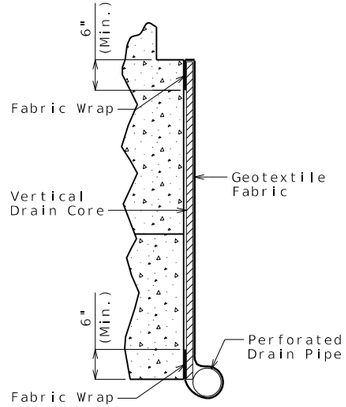
ELEVATION OF END BENT



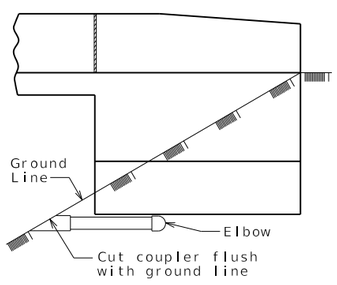
DETAIL A



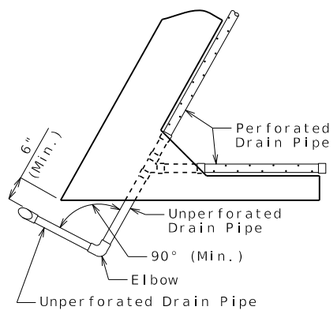
PLAN OF END BENT



PART SECTION A-A
(Section thru wing similar)



ELEVATION OF WING



PART PLAN

OPTIONAL TURNED DRAIN
(Use only when straight drain is not practical.)

General Notes:

All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

VERTICAL DRAIN AT END BENTS

(Squared end bent shown, skewed end bent similar)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

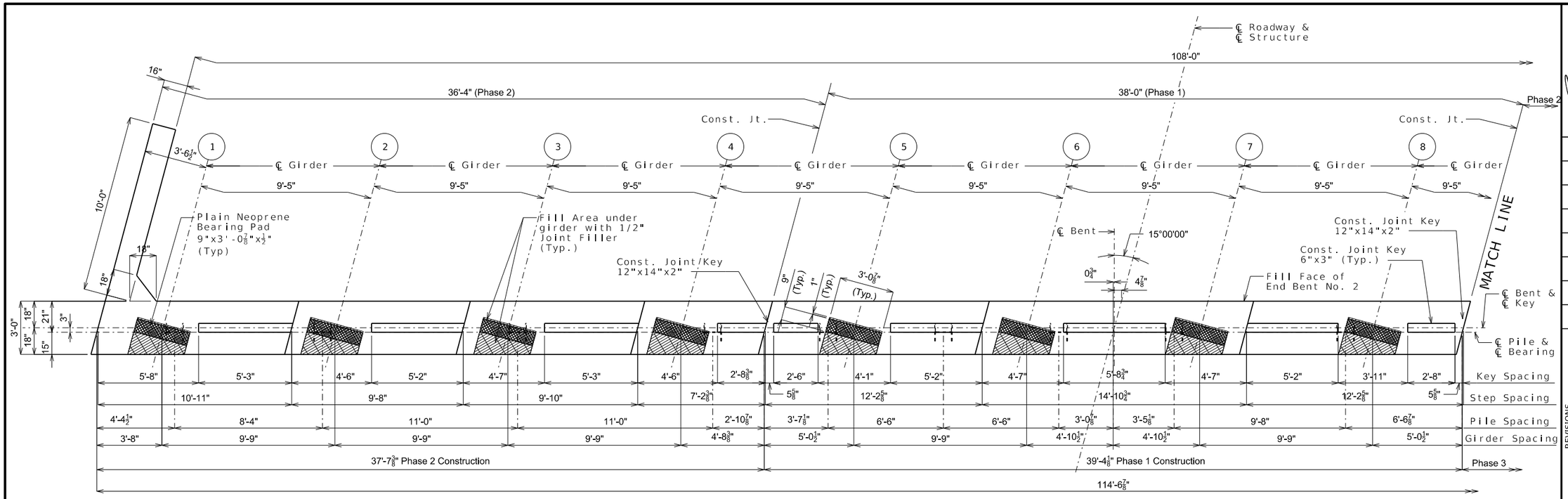
DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR10
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

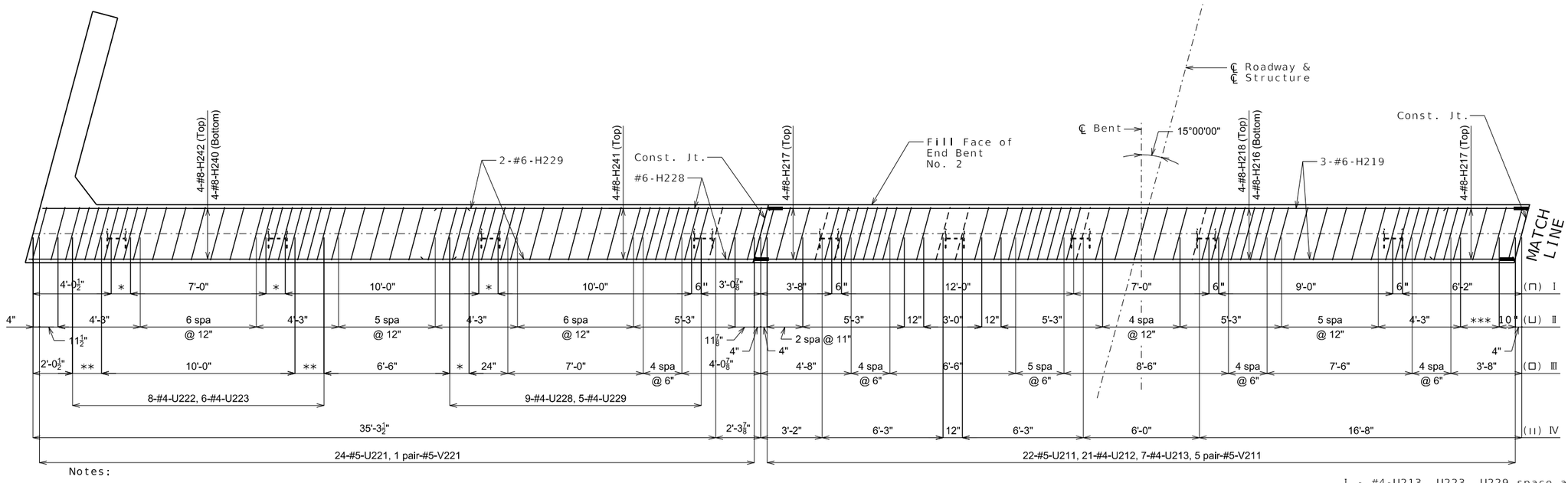
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. - Kansas City, MO 64152 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

REV.



PLAN OF BEAM - PHASE 1 & 2



PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 1 & 2

(Keys & Steps not shown for clarity)

* 2 spa. @ 6"
** 3 spa. @ 6"
*** 2 spa. @ 12"

I - #4-U213, U223, U229 space as shown
II - #5-U211, U221 space as shown
III - #4-U212, U222, U228 space as shown
IV - Pairs of #5-V211, V221 space as shown

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

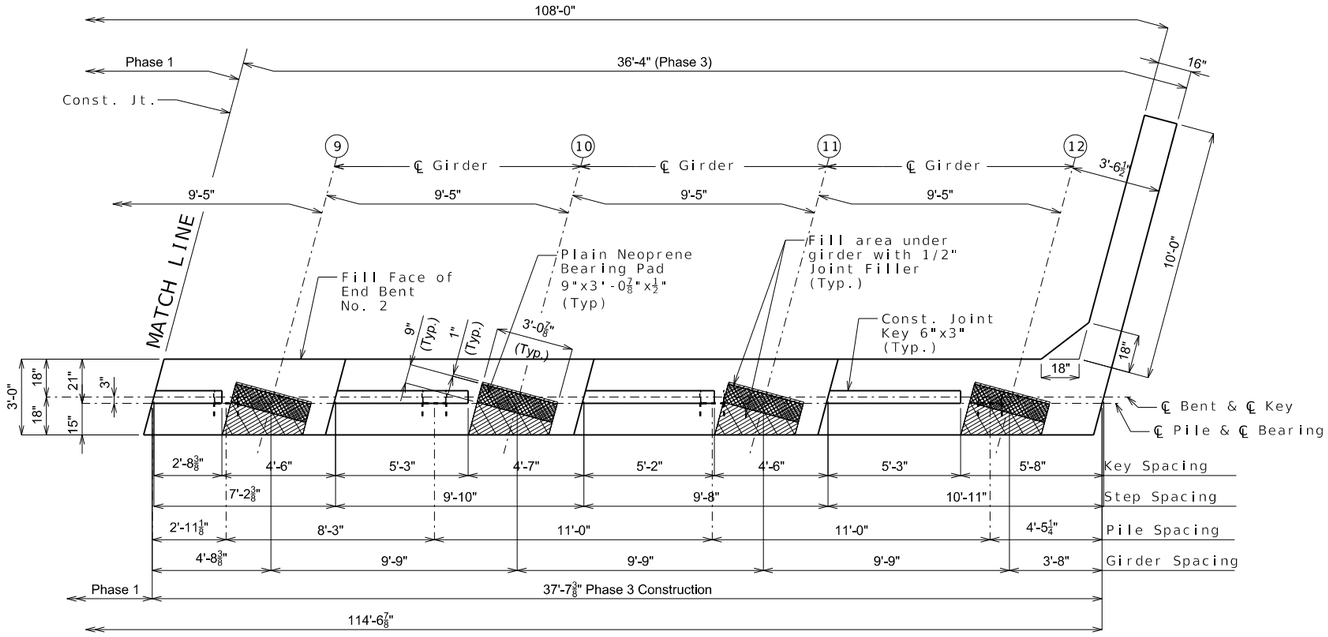
STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR11
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

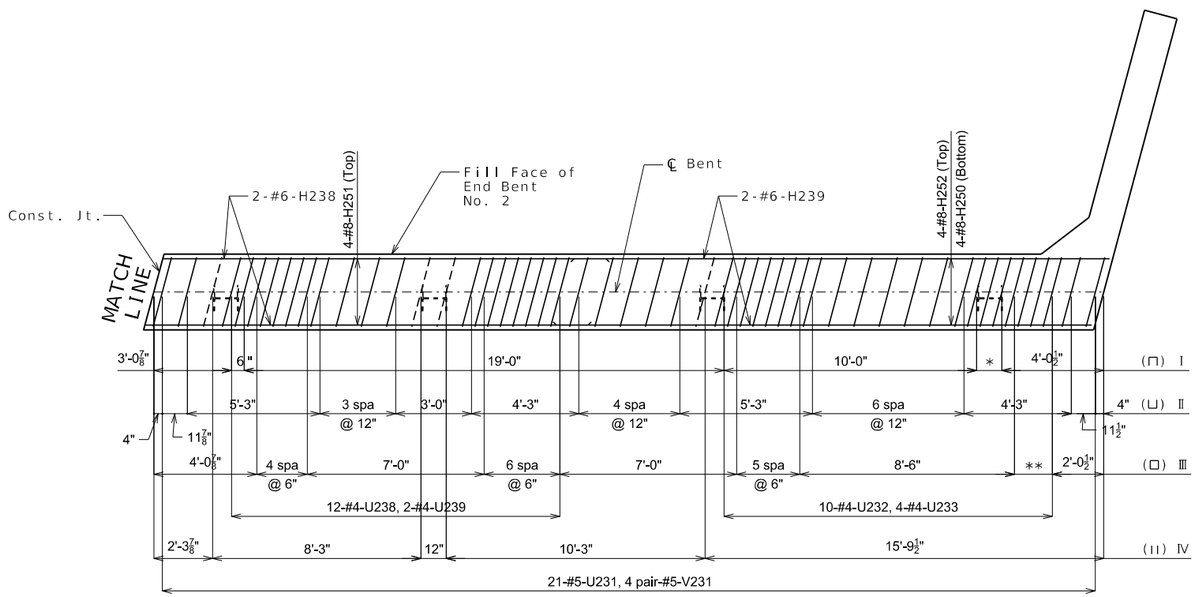
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64152 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



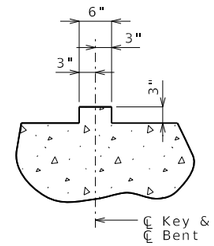
PLAN OF BEAM - PHASE 3



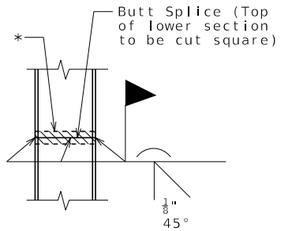
PLAN OF BEAM SHOWING REINFORCEMENT - PHASE 3
(Keys & Steps not shown for clarity)

* 2 spa. @ 6"
** 3 spa. @ 6"

DETAILS OF END BENT NO. 2



SECTION THRU KEY



STEEL PILE SPLICE
(If required)

* Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.

I - #4-U233, U239 space as shown
II - #5-U231 space as shown
III - #4-U232, U238 space as shown
IV - Pairs of #5-V231 space as shown

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

The U-bars and Pairs of V-bars shall be placed parallel to the centerline of roadway.

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

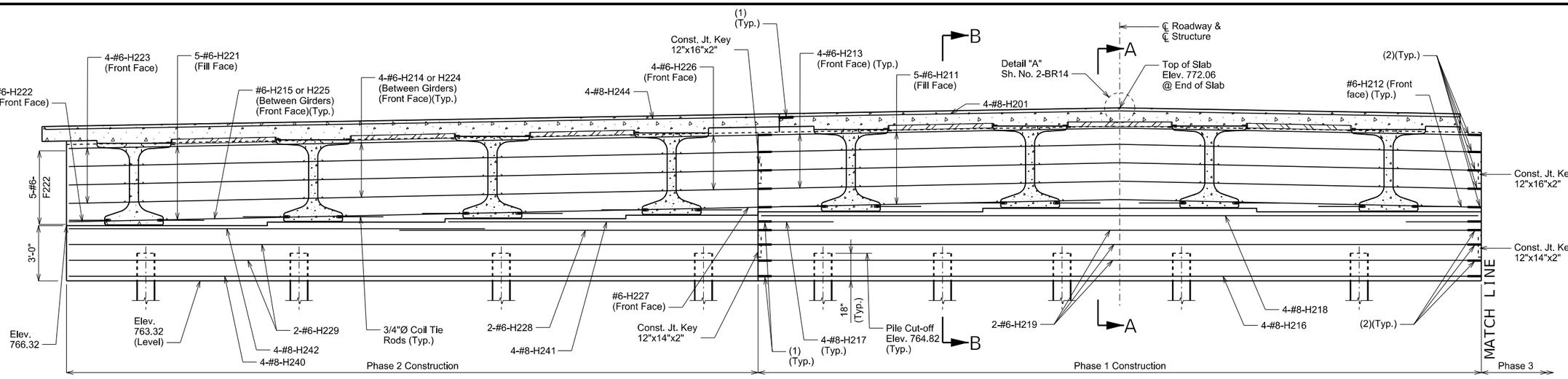
STATE OF MISSOURI
JUSTIN M. DAMS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR12
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave. - Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

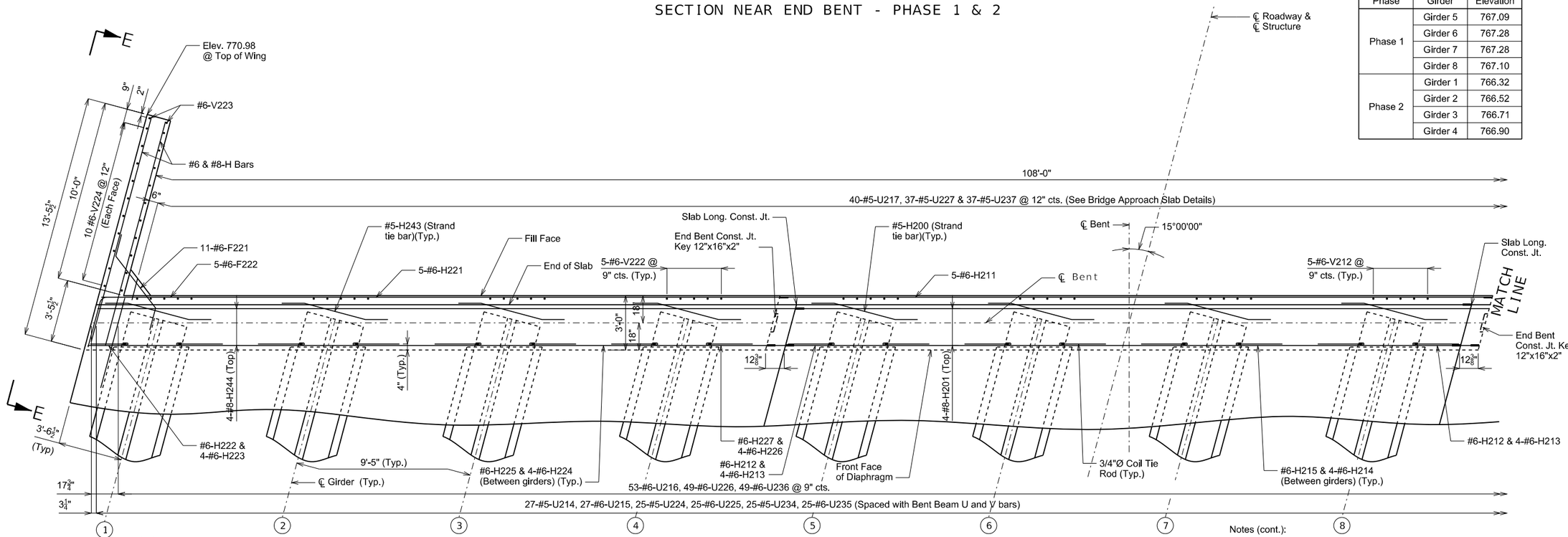


Mechanical Bar Splices:
(1) - #8 to #8 bar (24 Total)
(2) - #6 to #6 bar (32 Total)

SECTION NEAR END BENT - PHASE 1 & 2

Bent No. 2 Bearing Seat Elevations

Phase	Girder	Elevation
Phase 1	Girder 5	767.09
	Girder 6	767.28
	Girder 7	767.28
	Girder 8	767.10
Phase 2	Girder 1	766.32
	Girder 2	766.52
	Girder 3	766.71
	Girder 4	766.90



PART PLAN - PHASE 1 & 2

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Sections A-A & B-B and Elevation E-E, see Sheet No. 2-BR15.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

Notes (cont.):

The #6-F221 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H200 & H243 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR24.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

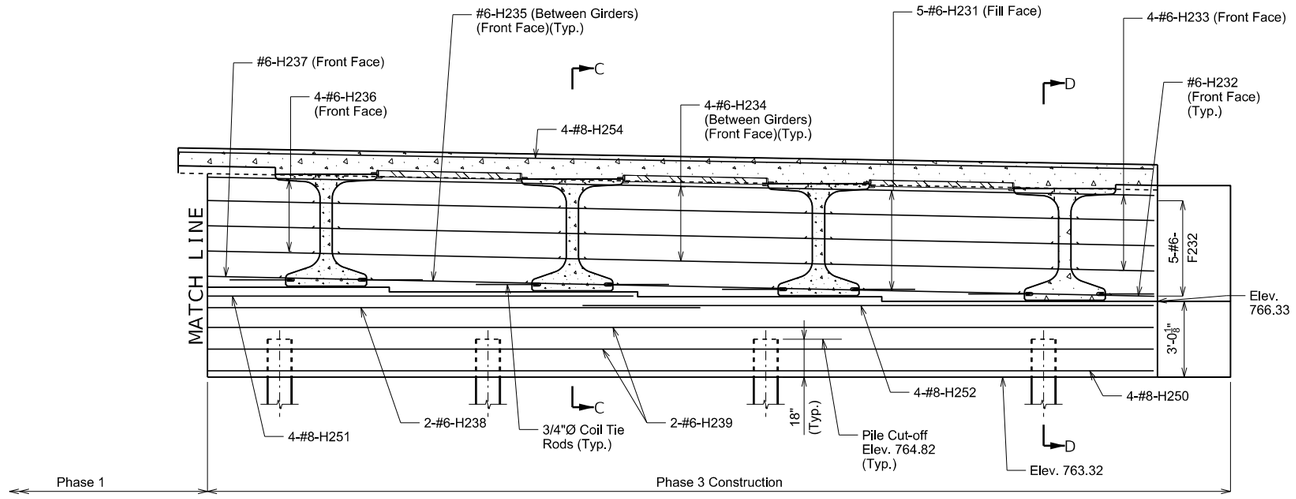
STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR13
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

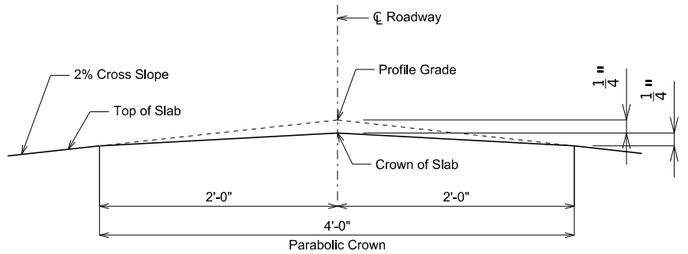
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

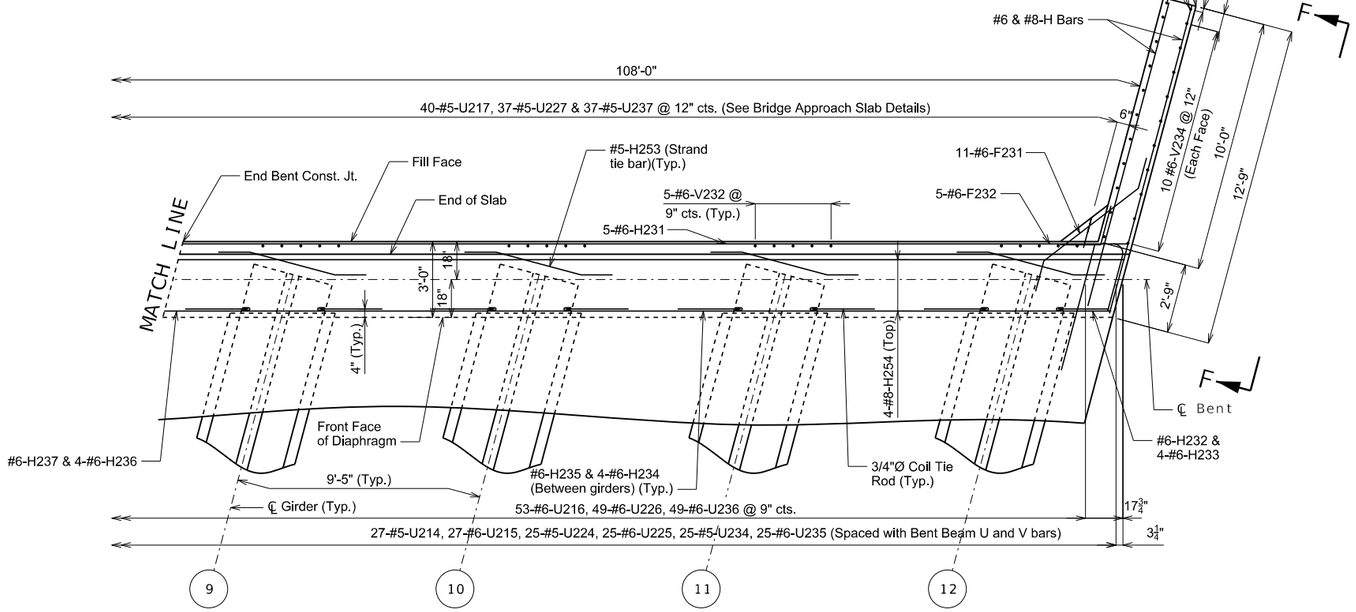


SECTION NEAR END BENT - PHASE 3

Bent No. 2 Bearing Seat Elevations		
Phase	Girder	Elevation
Phase 3	Girder 9	766.91
	Girder 10	766.72
	Girder 11	766.54
	Girder 12	766.33



DETAIL A



PART PLAN - PHASE 3

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR15.

For details of Vertical Drain at End Bent, see Sheet No. 2-BR10.

For Sections C-C & D-D and Elevation F-F, see Sheet No. 2-BR15.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

The #6-F231 bars shall be bent in the field to clear girders.

Strands at end of girders shall be field bent or, if necessary, cut in field to maintain ½ inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H253 (strand tie bars), see Sheet No. 2-BR16.

For details of bridge approach slab, see Sheet No. 2-BR24.

The U bars shall be placed parallel to centerline of roadway.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR14

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

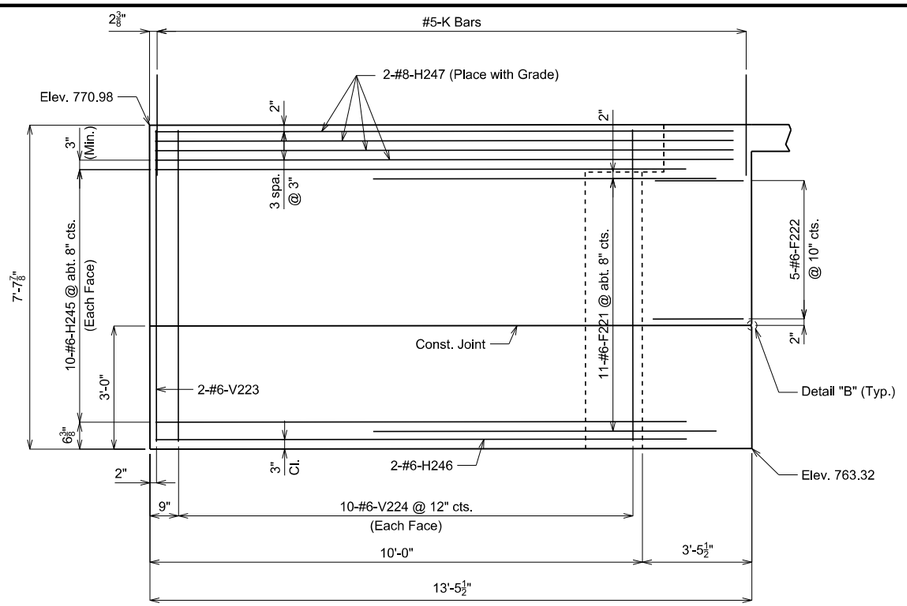
BRIDGE NO.
A9742

REVISIONS

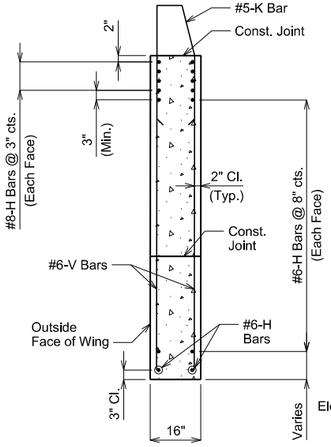
NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

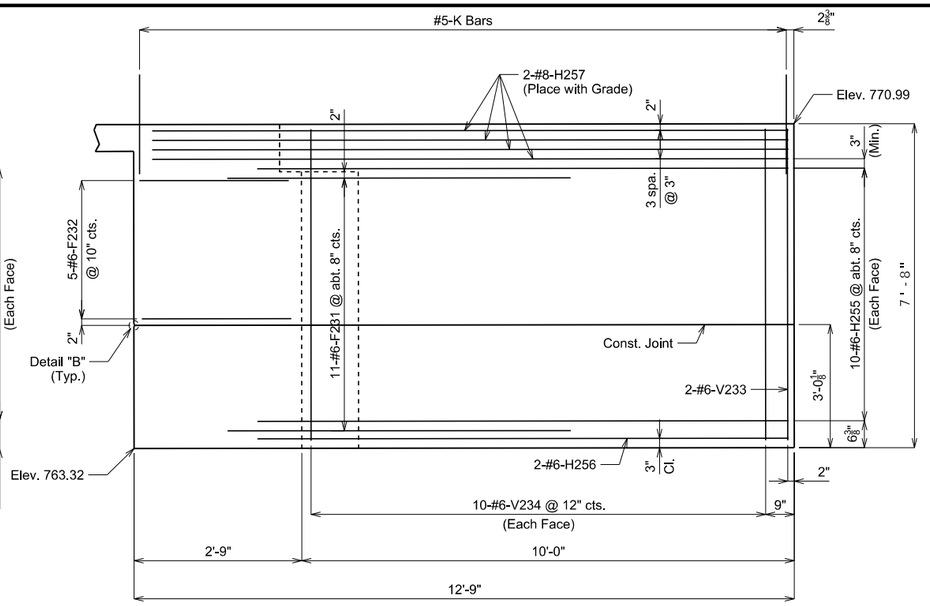
Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720



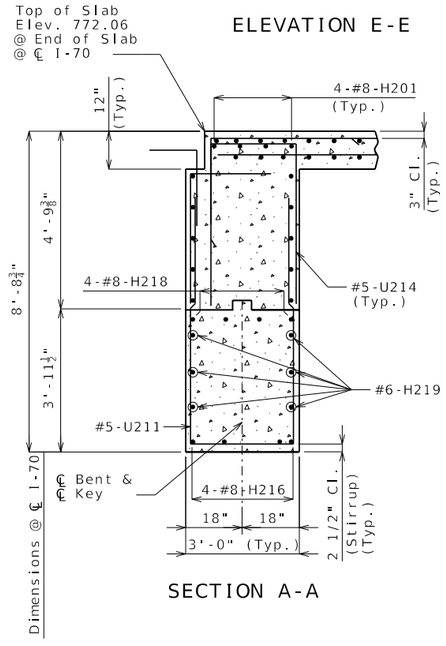
ELEVATION E-E



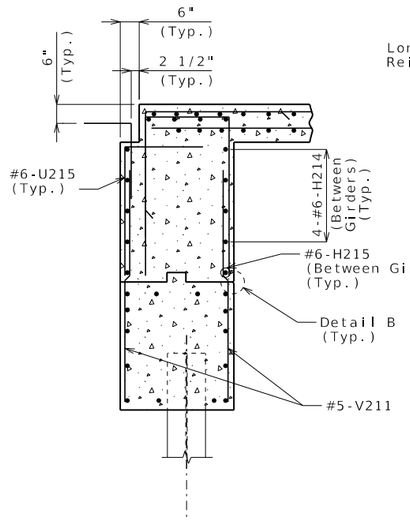
TYPICAL SECTION THRU WING



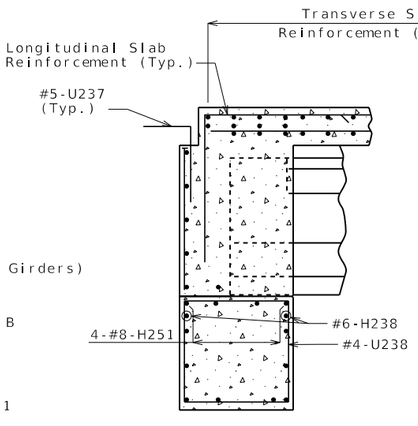
ELEVATION F-F



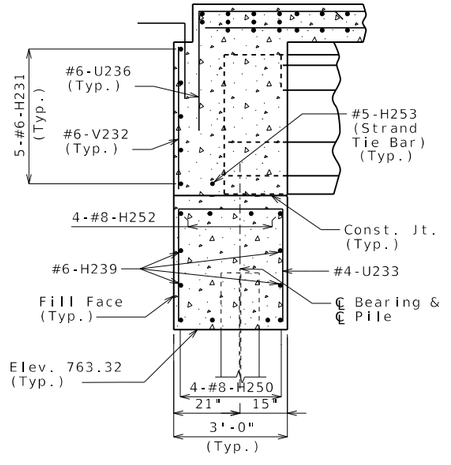
SECTION A-A



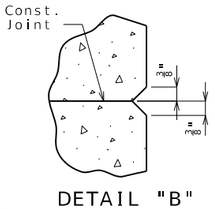
SECTION B-B



SECTION C-C



SECTION D-D



DETAIL "B"

Notes:

Work this sheet with Sheets No. 2-BR11 thru 2-BR14.

For locations of Sections A-A, B-B, C-C & D-D and Elevations E-E & F-F, see Sheets No. 2-BR13 & 2-BR14.

All concrete in the End Bent above top of beam and below top of slab shall be Class B-2.

For details and reinforcement of Barrier not shown, see Sheet No. 2-BR23.

The #6-F221 & #6-F231 bars shall be bent in the field to clear girders.

DETAILS OF END BENT NO. 2

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. DAVIS
NOVEMBER
PE-2007020256
PROFESSIONAL ENGINEER

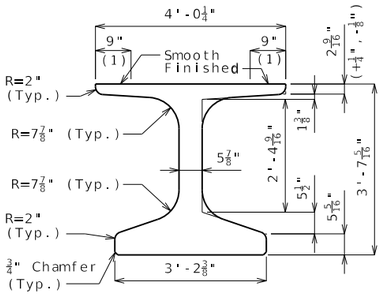
DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR15
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

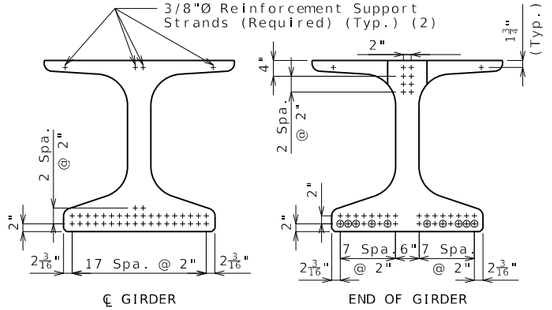
Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave. - Kansas City, MO 64158 (816)912-4720

(1) Fabricator shall apply a bond breaker to this region.

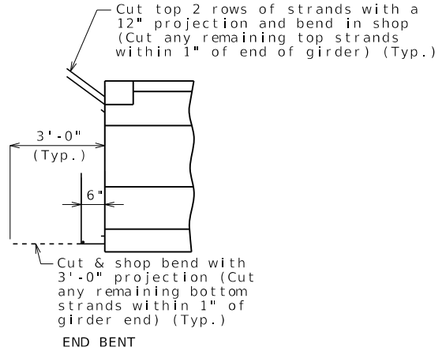


DIMENSIONS

(2) Outer strands tensioned to 2.02 kips/strand and inner strands to 8 kips/strand. Placed symmetrical about ℄ Girder. May be moved laterally in pairs.



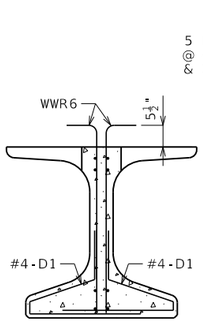
STRAND ARRANGEMENT



STRANDS AT GIRDER ENDS

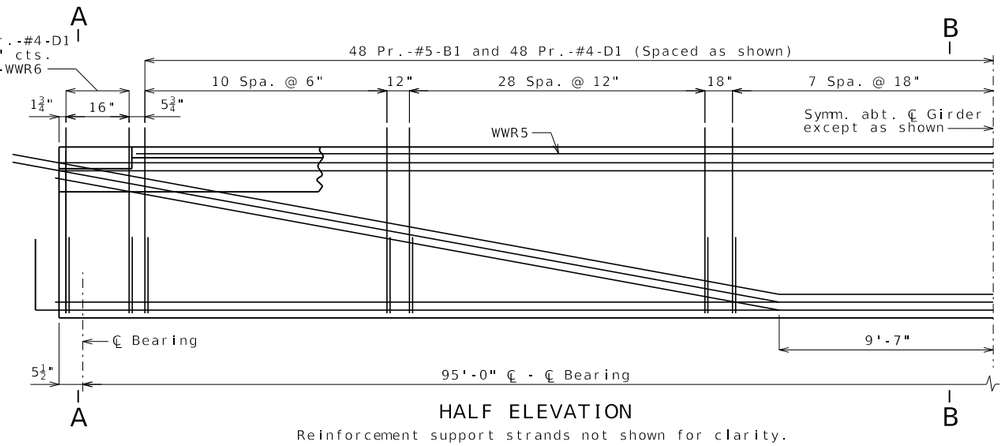
\+ Indicates prestressing strand.

○ Indicates cut & shop bend with 3'-0" projection.



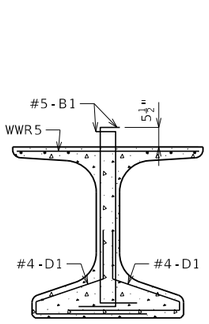
SECTION A-A

Strands not shown for clarity.



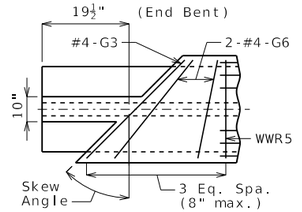
HALF ELEVATION

Reinforcement support strands not shown for clarity.



SECTION B-B

Strands not shown for clarity.



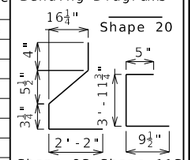
INTERIOR GIRDER AT ALL BENTS & EXTERIOR GIRDER AT END BENT

TOP FLANGE BLOCKOUT

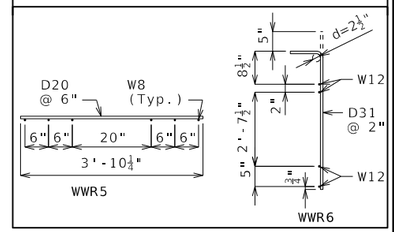
Mirror for right advanced.

Bill of Reinforcing Steel - Each Girder			
No.	Size/ Mark	Length	Shape
190	5 B1	5'-0"	11S
210	4 D1	4'-0"	9S
2	4 G3	4'-0"	20
4	4 G6	Varies	20

Bending Diagrams



Welded Wire Reinforcement - Each Girder



All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual bar lengths are measured along centerline of bar to the nearest inch.

Minimum clearance to reinforcing shall be one inch.

All bar reinforcement shall be Grade 60.

The two D1 bars may be furnished as one bar at the fabricator's option.

All B1 bars shall be epoxy coated.

General Notes:

Concrete for prestressed girders shall be Class A-1 with f'c = 9000 psi and f'ci = 7000 psi.

Use 38 strands, 0.6"Ø Grade 270, with an initial prestress force of 1670 kips.

Pretensioned members shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.

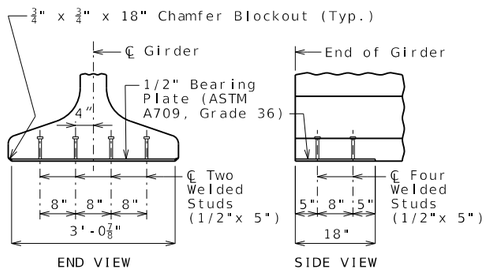
Exterior and interior girders are the same except: coil ties, coil inserts for slab drains.

The contractor shall provide bracing necessary for lateral and torsional stability of the girders during construction of the concrete slab and remove the bracing after the slab has attained 75% design strength. Contractor shall not drill holes in the girders.

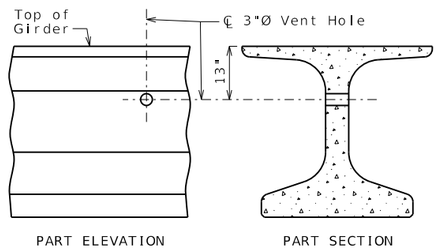
For Girder Camber Diagram, see Sheet No. 2-BR18.

For location of coil inserts at slab drains, see Sheet No. 2-BR17.

For location of coil ties at integral bents, see Sheets No. 2-BR07, 2-BR08, 2-BR13 and 2-BR14.

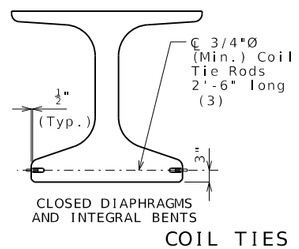


BEARING PLATE



VENT HOLE

Place vent holes at or near upgrade 1/3 point of girders and clear reinforcing steel or strands by 1 1/2" minimum.



COIL TIES

(3) 2'-0" at exterior face of exterior girders at end bents

NU-GIRDERS - SPAN (1-2)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

JUSTIN M. JAMES NUMBER PE-2007020256 PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

ROUTE I-70 | STATE MO

DISTRICT BR | SHEET NO. 2-BR16

COUNTY LAFAYETTE

JOB NO. JST0019

CONTRACT ID. 250507-C01

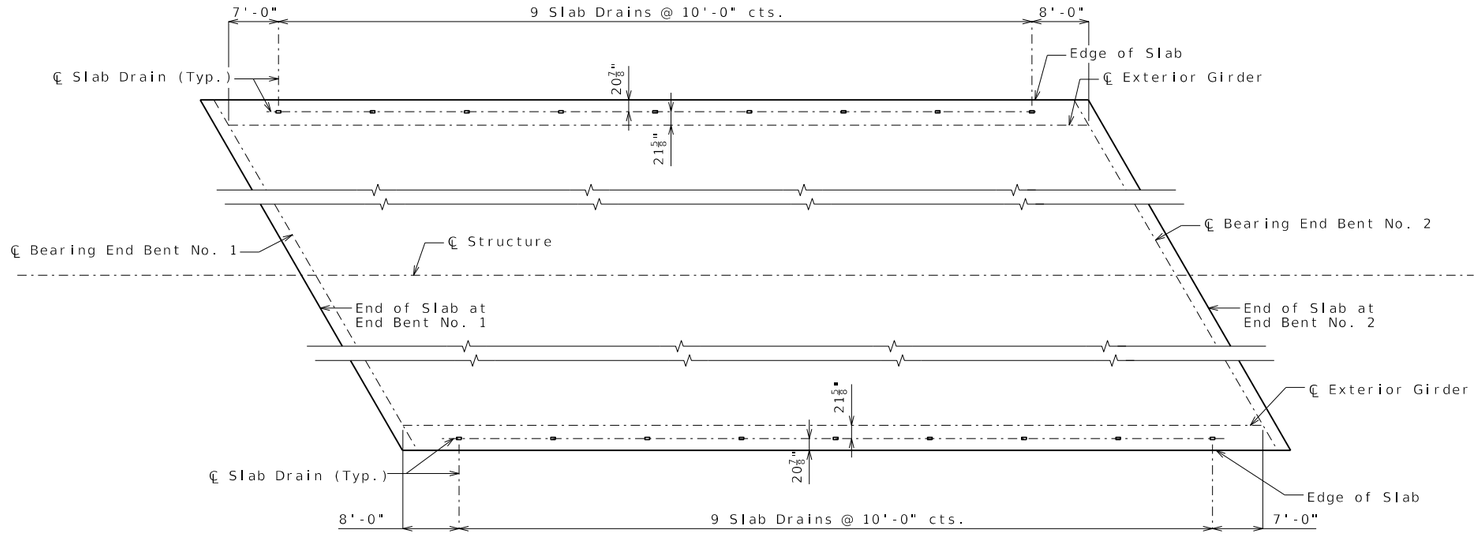
PROJECT NO.

BRIDGE NO. A9742

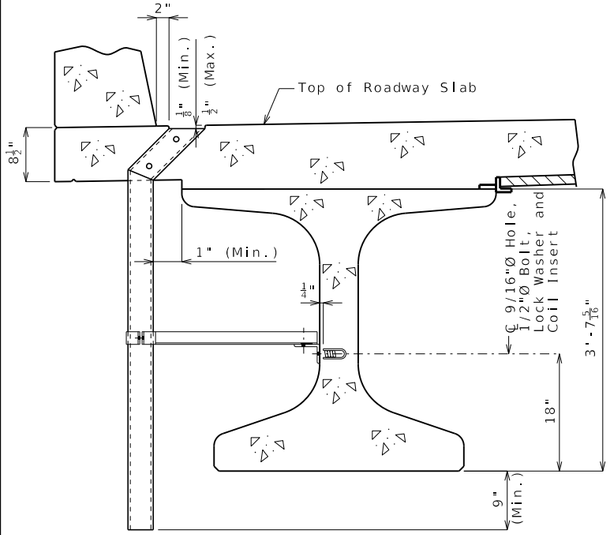
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

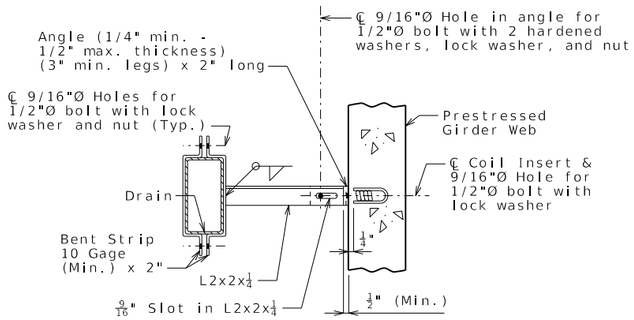
Consult engineers inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



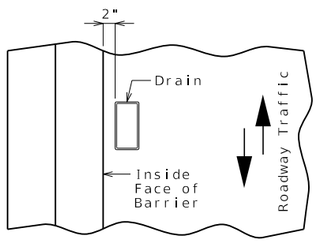
PLAN OF SLAB SHOWING SLAB DRAIN LOCATIONS



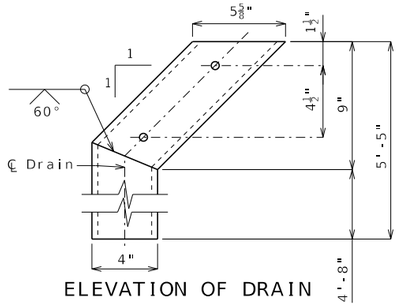
PART SECTION NEAR DRAIN



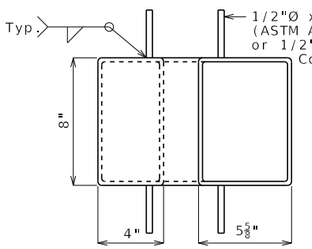
PART SECTION SHOWING BRACKET ASSEMBLY



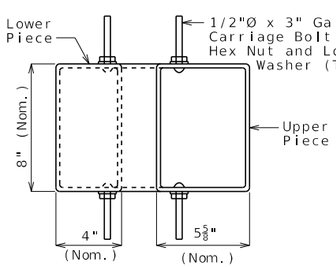
PART PLAN OF SLAB AT DRAIN



ELEVATION OF DRAIN



PLAN OF STEEL DRAIN OPTION



PLAN OF FRP DRAIN OPTION

General Notes:

Contractor shall have the option to construct either steel or FRP slab drains. All drains shall be of same type.

Slab drain bracket assembly shall be ASTM A709 Grade 36 steel.

Locate drains in slab by dimensions shown in Part Section Near Drain.

Reinforcing steel shall be shifted to clear drains.

The coil inserts and bracket assembly shall be galvanized in accordance with ASTM A123.

All bolts, hardened washers, lock washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.

All 1/2"Ø bolts shall be ASTM A307.

Shop drawings will not be required for the slab drains and the bracket assembly.

The coil insert required for the bracket assembly attachment shall be located on the prestressed girder shop drawings.

Coil inserts shall have a concrete pull-out strength (ultimate load) of at least 2,500 pounds in 5,000 psi concrete.

The bolt required to attach the slab drain bracket assembly to the prestressed girder web shall be supplied by the prestressed girder fabricator.

Notes for Steel Drain:

Slab drains may be fabricated of either 1/4" welded sheets of ASTM A709 Grade 36 steel or from 1/4" structural steel tubing ASTM A500 or A501.

Outside dimensions of drains are 8" x 4".

The drains shall be galvanized in accordance with ASTM A123.

Notes for FRP Drain:

Drains shall be machine filament-wound thermosetting resin tubing meeting the requirements of ASTM D2996 with the following exceptions:

Shape of drains shall be rectangular with outside nominal dimensions of 8" x 4".

Minimum reinforced wall thickness shall be 1/4 inch.

The resin used shall be ultraviolet (UV) resistant and/or have UV inhibitors mixed throughout. Drains may have an exterior coating for additional UV resistance.

The color of the slab drain shall be gray (Federal Standard #26373). The color shall be uniform throughout the resin and any coating used.

The combination of materials used in the manufacture of the drains shall be tested for UV resistance in accordance with ASTM D4329 Cycle A. The representative material shall withstand at least 500 hours of testing with only minor discoloration and without any physical deterioration. The contractor shall furnish the results of the required ultraviolet testing prior to acceptance of the slab drains.

At the contractor's option, drains may be field cut. The method of cutting FRP slab drain shall be as recommended by the manufacturer to ensure a smooth, chip free cut.

Both upper and lower drain pieces shall be rigidly connected to each other. Drain flow shall not be obstructed. Approval of the engineer is required.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR17
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SLAB DRAINS

Detailed JULY 2025
Checked AUG. 2025

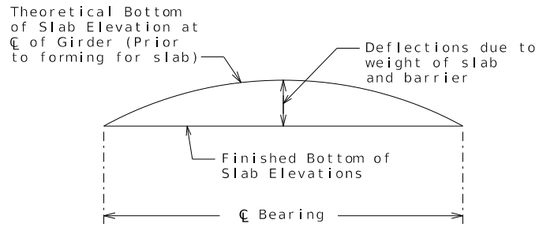
Note: This drawing is not to scale. Follow dimensions.

Theoretical Bottom of Slab Elevations at Centerline of Beam (Prior to forming for slab) (Estimated at 90 days)

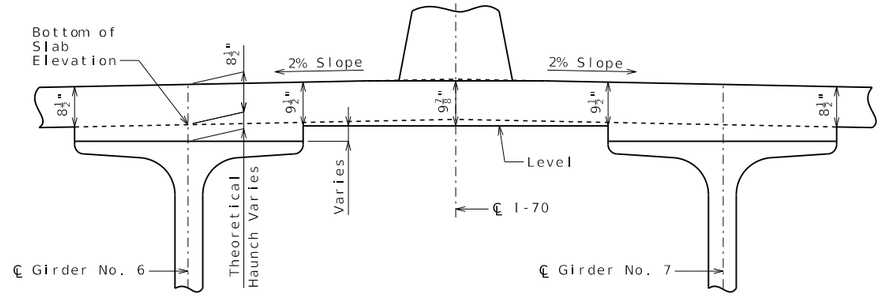
Girder Number	Span (1-2) (95'-0" ℄ Brg. - ℄ Brg.)										
	℄ Brg.	.10	.20	.30	.40	.50	.60	.70	.80	.90	℄ Brg.
1	770.32	770.36	770.41	770.44	770.47	770.48	770.47	770.45	770.42	770.38	770.33
2	770.50	770.56	770.61	770.65	770.67	770.68	770.68	770.65	770.62	770.57	770.52
3	770.69	770.75	770.80	770.83	770.86	770.87	770.86	770.84	770.81	770.76	770.71
4	770.88	770.93	770.98	771.02	771.05	771.06	771.05	771.03	771.00	770.95	770.90
5	771.07	771.12	771.17	771.21	771.24	771.25	771.24	771.22	771.19	771.14	771.09
6	771.26	771.31	771.36	771.40	771.43	771.44	771.43	771.41	771.38	771.33	771.28
7	771.26	771.31	771.36	771.40	771.43	771.44	771.43	771.41	771.38	771.33	771.28
8	771.07	771.12	771.17	771.21	771.24	771.25	771.24	771.22	771.19	771.14	771.09
9	770.88	770.94	770.99	771.03	771.05	771.06	771.06	771.04	771.00	770.96	770.91
10	770.69	770.75	770.80	770.84	770.86	770.88	770.87	770.85	770.81	770.77	770.72
11	770.50	770.56	770.61	770.65	770.68	770.69	770.68	770.66	770.63	770.58	770.53
12	770.32	770.37	770.41	770.45	770.47	770.48	770.48	770.46	770.43	770.39	770.35

Elevations are based on a constant slab thickness of $8\frac{1}{2}$" and includes allowance for theoretical dead load deflections due to weight of slab and barriers.

Note: Reduce haunch thickness by 1" for the center bay between Girders No. 6 & 7 to provide a minimum $9\frac{1}{2}$" deck thickness for median barrier installation.

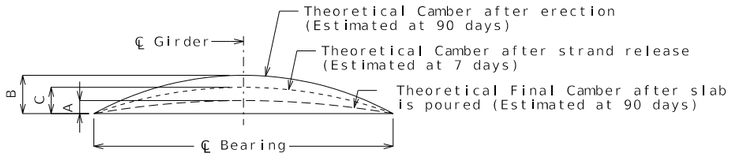


TYPICAL SLAB ELEVATIONS DIAGRAM



THICKENED SLAB DETAIL

(Corrugated Steel Forms not shown for clarity)

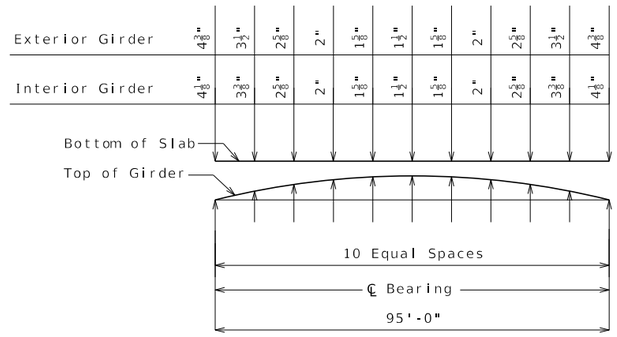


Girder	Span (1-2)		
	A	B	C
Exterior Girder	$2\frac{3}{4}$"	$4\frac{3}{4}$"	$2\frac{5}{8}$"
Interior Girder	$2\frac{5}{8}$"		

GIRDER CAMBER DIAGRAM

Conversion Factors for Girder Camber (Estimated at 90 days):

0.1 pt. = 0.314 x 0.5 pt.
0.2 pt. = 0.593 x 0.5 pt.
0.3 pt. = 0.813 x 0.5 pt.
0.4 pt. = 0.952 x 0.5 pt.



Span (1-2)

THEORETICAL SLAB HAUNCHING DIAGRAM (ESTIMATED AT 90 DAYS)

If girder camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thickness or a raise in grade uniformly throughout the structure shall be necessary.

Detailed JULY 2025
Checked AUG. 2025

CAMBER DIAGRAM, HAUNCHING DIAGRAM AND SLAB ELEVATIONS

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NOVEMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR18

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. : Kansas City, MO 64158 (816)912-4720

Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Longitudinal slab dimensions are measured horizontally.

For Plan of Slab Showing Bottom Reinforcement, see Sheet No. 2-BR20.

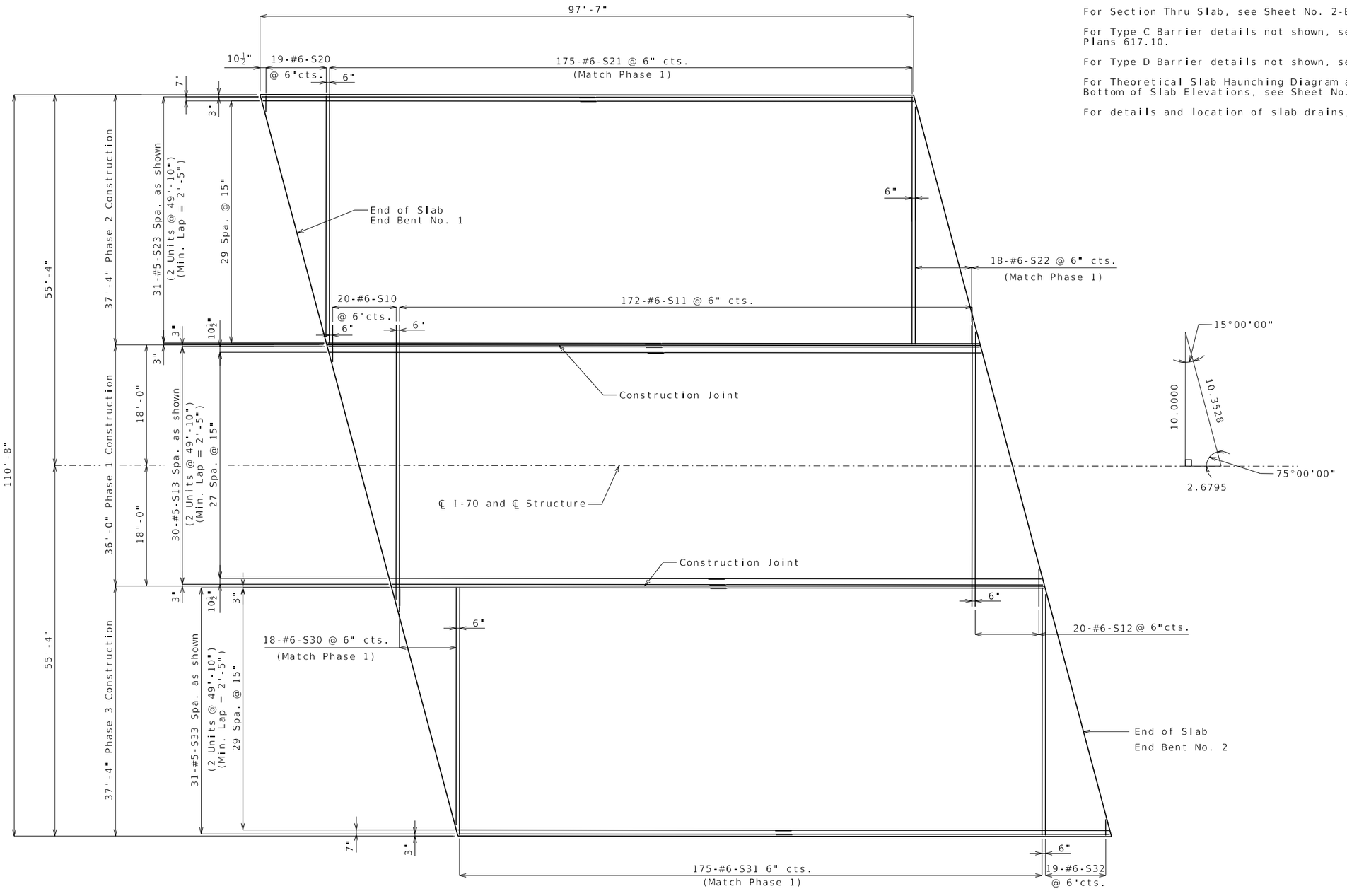
For Section Thru Slab, see Sheet No. 2-BR21.

For Type C Barrier details not shown, see Missouri Standard Plans 617.10.

For Type D Barrier details not shown, see Sheet No. 2-BR22.

For Theoretical Slab Haunching Diagram and Theoretical Bottom of Slab Elevations, see Sheet No. 2-BR18.

For details and location of slab drains, see Sheet No. 2-BR17.



PLAN OF SLAB SHOWING TOP REINFORCEMENT

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
BR	2-BR19

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9742

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720

Notes:

Longitudinal slab dimensions are measured horizontally.

For Plan of Slab Showing Top Reinforcement, see Sheet No. 2-BR19.

For Section Thru Slab, see Sheet No. 2-BR21.

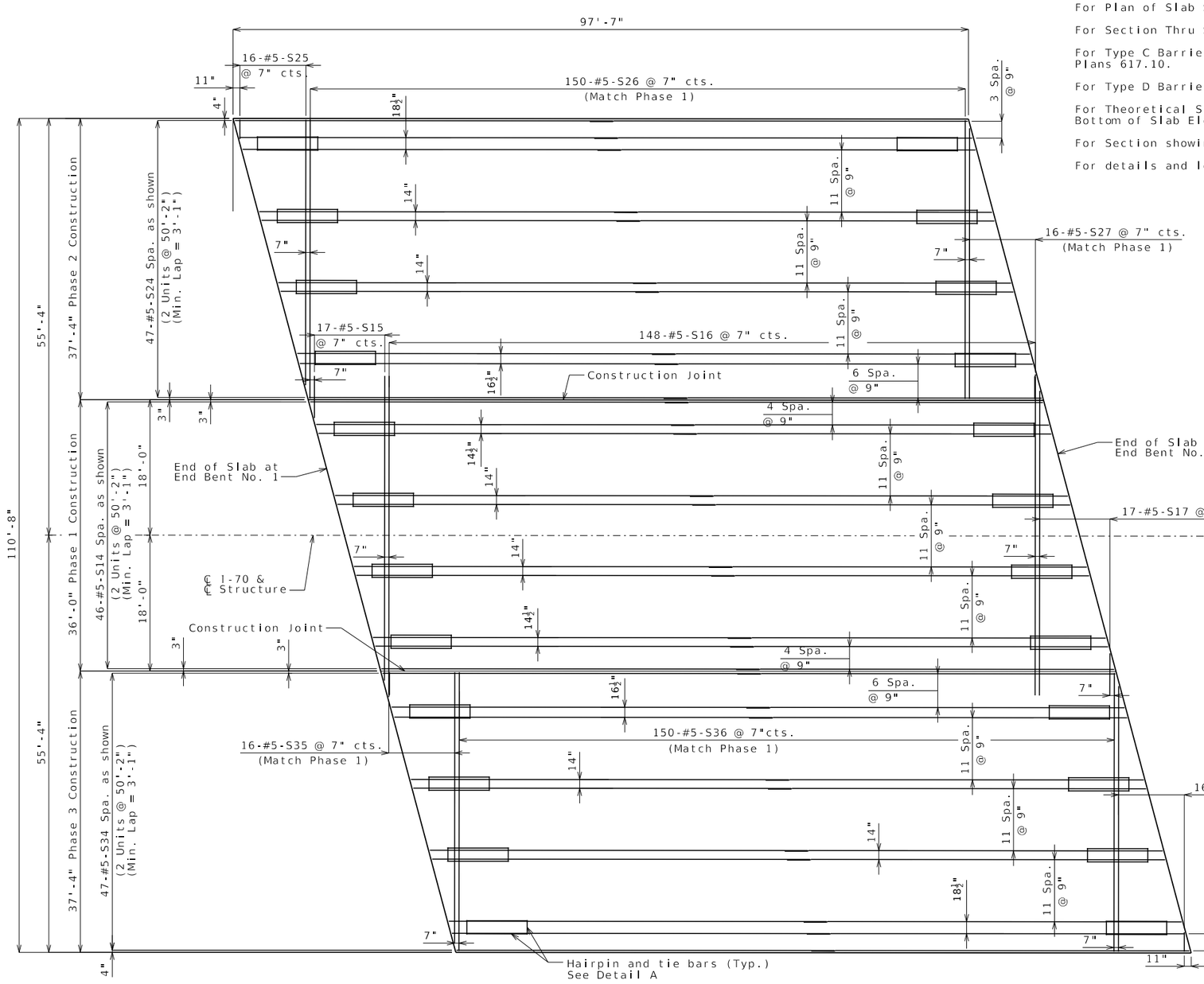
For Type C Barrier details not shown, see Missouri Standard Plans 617.10.

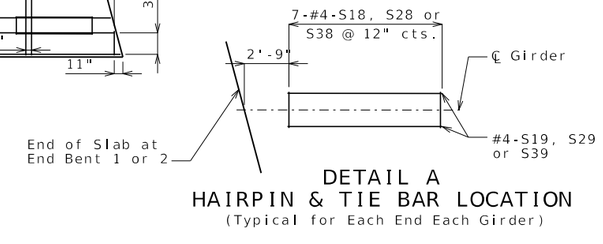
For Type D Barrier details not shown, see Sheet No. 2-BR22.

For Theoretical Slab Haunching Diagram and Theoretical Bottom of Slab Elevations, see Sheet No. 2-BR18.

For Section showing hairpins and tie bars, see Sheet No. 2-BR21.

For details and location of slab drains, see Sheet No. 2-BR17.





DETAIL A
HAIRPIN & TIE BAR LOCATION
(Typical for Each End Each Girder)

PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER
PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED
9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR20

COUNTY
LAFAYETTE

JOB NO.
JST0019

CONTRACT ID.
250507-C01

PROJECT NO.

BRIDGE NO.
A9742

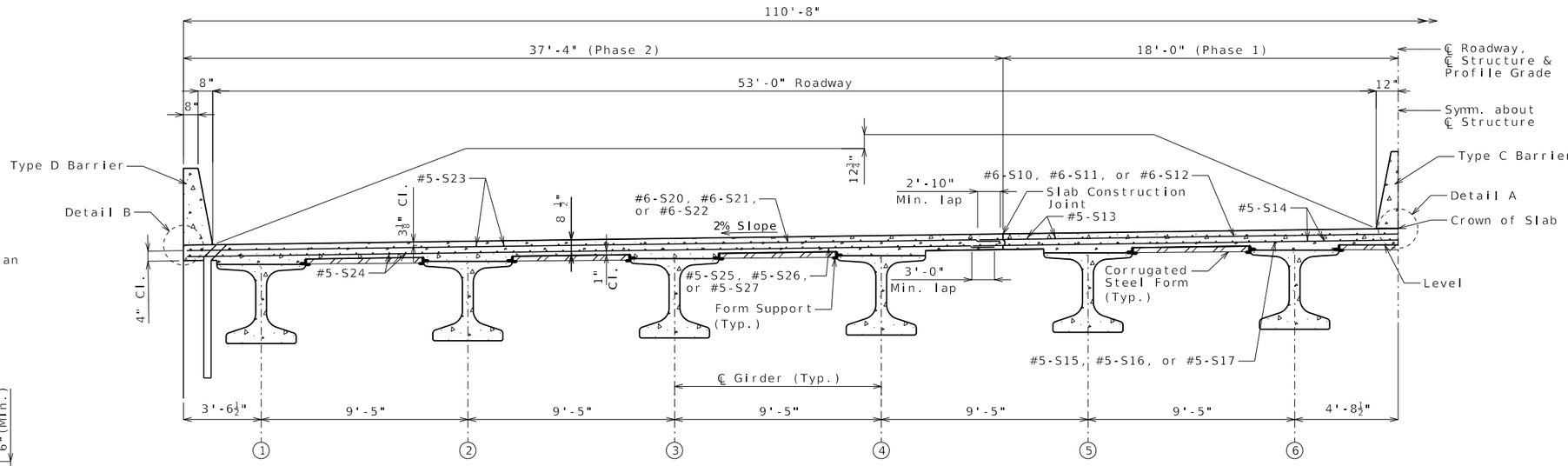
REVISIONS

NO.	DATE	APPD. BY
A	08-13-25	JMD
B	09-08-25	JMD
1	09-12-25	JMD

EARLY BRIDGE PACKAGE FINAL PLANS
EARLY BRIDGE PACKAGE FINAL PLANS
EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

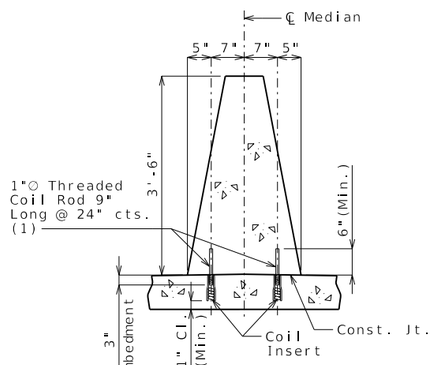


HALF SECTION THRU SLAB

Half Section with Phase 2 shown, Phase 3 similar.
For Phase 3 reinforcement, replace the first digit of bar mark with '3'.

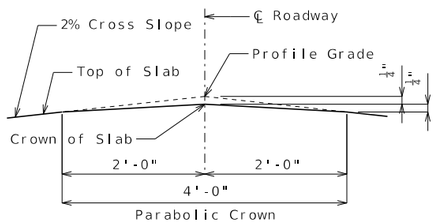
** Type C Barrier constructed after completion of Phase 3 Eastbound Construction.

* Varies between Girders No. 6 & 7.

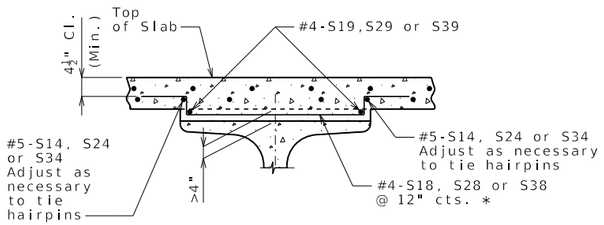


PART SECTION OF TYPE C BARRIER

(1) Alternate 1'-0" about longitudinal centerline of barrier.



DETAIL A



* #4-S18, S28 or S38 hairpin bars may be placed at an angle to meet clearances.

PART SECTION SHOWING HAIRPINS

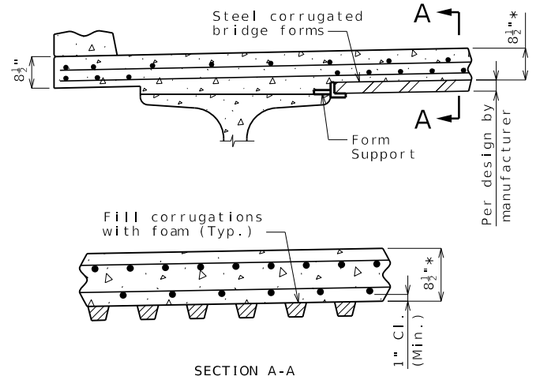
Stay-In-Place Forms:

Corrugated steel forms, supports, closure elements and accessories shall be in accordance with grade requirement and coating designation G165 of ASTM A653. Complete shop drawings of the permanent steel deck forms shall be required in accordance with Sec 1080.

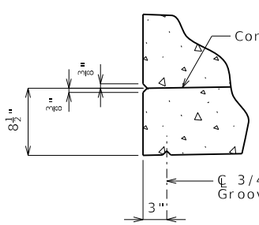
Corrugations of stay-in-place forms shall be filled with an expanded polystyrene material. The polystyrene material shall be placed in the forms with an adhesive in accordance with the manufacturer's recommendations.

Form sheets shall not rest directly on the top of girder flanges. Sheets shall be securely fastened to form supports with a minimum bearing length of one inch on each end. Form supports shall be placed in direct contact with the flange. Drilling holes in the girder flanges will not be permitted. All steel fabrication and construction shall be in accordance with Sec 1080 and 712. Certified field welders will not be required for welding of the form supports.

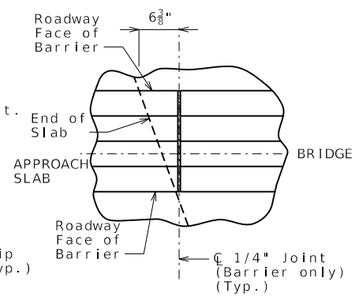
The design of stay-in-place corrugated steel forms is per manufacturer which shall be in accordance with Sec 703 for false work and forms. Maximum actual weight of corrugated steel forms allowed shall be 4 psf assumed for girder loading.



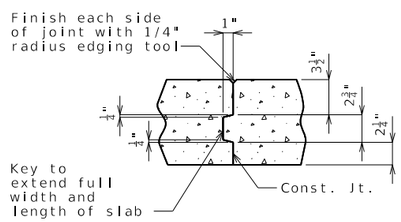
OPTIONAL STAY-IN-PLACE FORM DETAILS



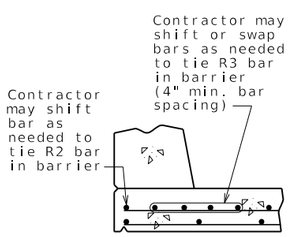
DETAIL B



PART PLAN SHOWING TYPE C BARRIER JOINT LOCATION



SLAB CONSTRUCTION JOINT



OPTIONAL SHIFTING TOP BARS AT BARRIER

Notes:

For Theoretical Bottom of Slab Elevations, Girder Camber Diagram and Theoretical Slab Haunching Diagram, see Sheet No. 2-BR18.

For Plan of Slab Showing Reinforcement, see Sheets No. 2-BR19 & 2-BR20.

The contractor shall pour and satisfactorily finish the roadway slab at a rate of not less than 25 cubic yards per hour.

The concrete diaphragm at the integral end bents shall be poured a minimum of 30 minutes and a maximum of 2 hours before the slab is poured.

For Type C Barrier Details, see Missouri Standard Plans 617.10.

For Type D Barrier Details and Reinforcement, see Sheet No. 2-BR22.

For details and location of slab drains, see Sheet No. 2-BR17

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

SLAB DETAILS

Sheet No. 21 of 30

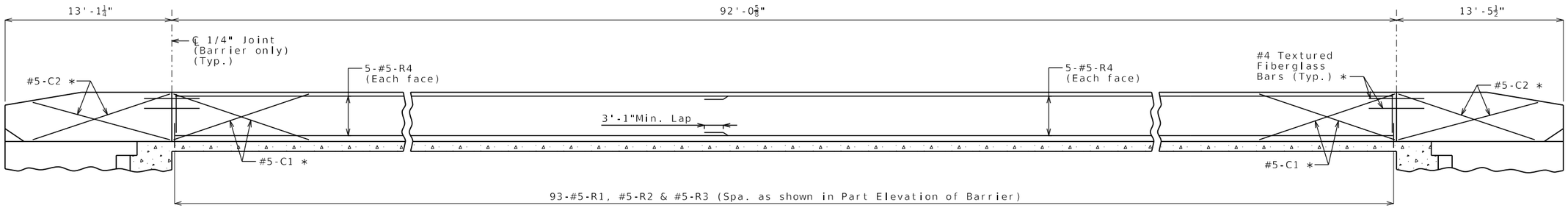
STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED	
9/12/2025	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR21
COUNTY	
LAFAYETTE	
JOB NO.	
JST0019	
CONTRACT ID.	
250507-C01	
PROJECT NO.	
BRIDGE NO.	
A9742	

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

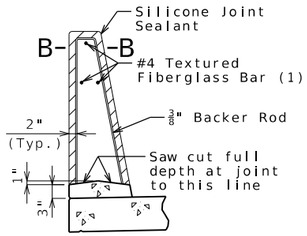
Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



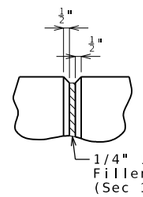
ELEVATION OF BARRIER

(Left barrier shown, right barrier similar)

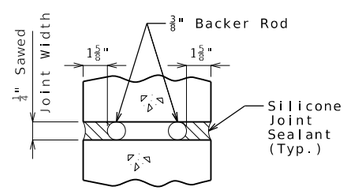
Longitudinal dimensions are horizontal.



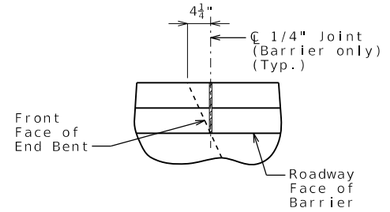
SECTION THRU SAW CUT JOINT



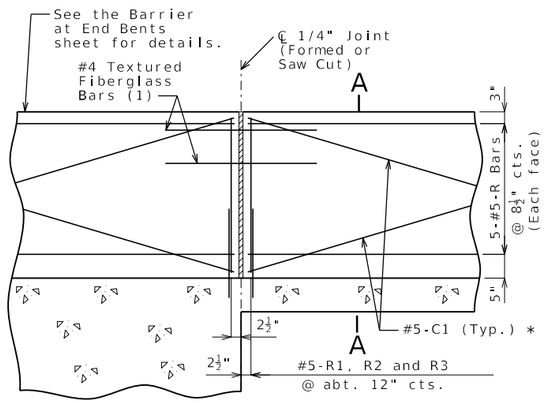
PART ELEVATION AT FORMED JOINT



SECTION B-B

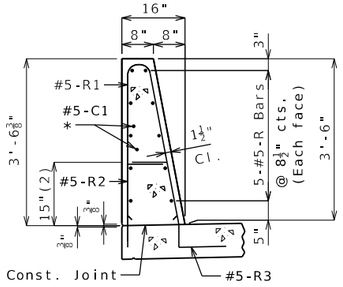


PART PLAN SHOWING JOINT LOCATION



PART ELEVATION OF BARRIER

(1) Four feet long, centered on joint, slip-formed option only

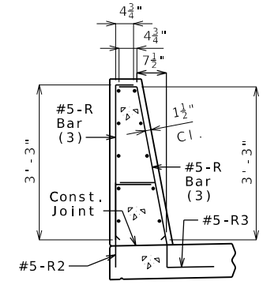


SECTION A-A

Use a minimum lap of 3'-1" for #5 horizontal barrier bars.

The cross-sectional area above the slab is 3.52 square feet.

(2) To top of bar



R-BAR PERMISSIBLE ALTERNATE SHAPE

(3) The R1 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)

General Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Top of barrier shall be built parallel to grade and barrier joints (except at end bents) normal to grade.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Concrete in barrier shall be Class B-1.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides.

Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.

TYPE D BARRIER

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR22

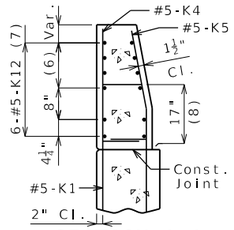
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

REVISIONS

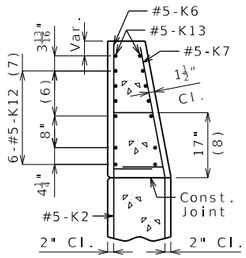
NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

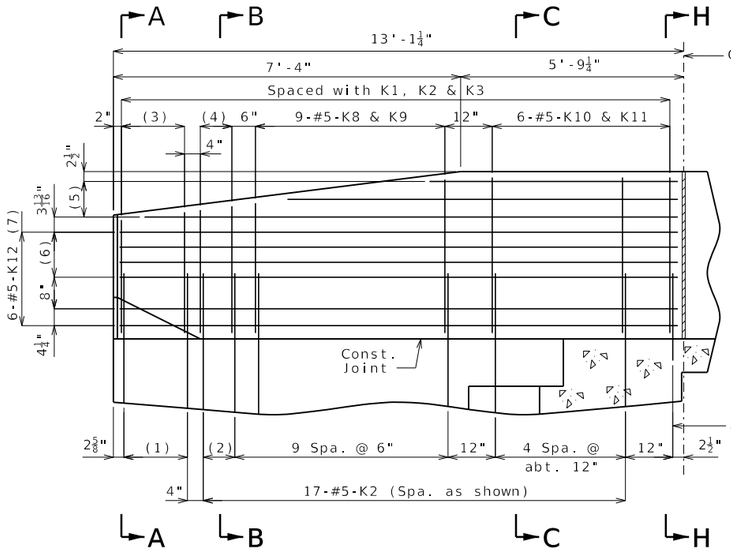
Consult Inc engineers planners
7733 N. Wallace Ave. ; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



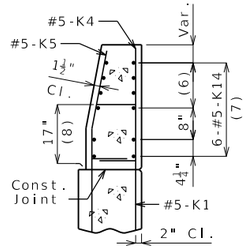
SECTION A-A



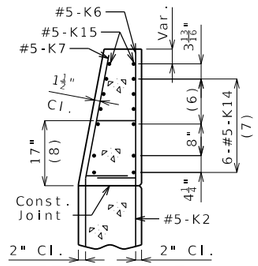
SECTION B-B



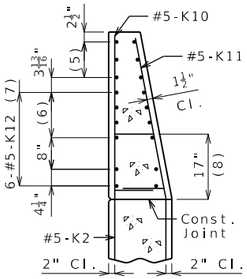
PART ELEVATION



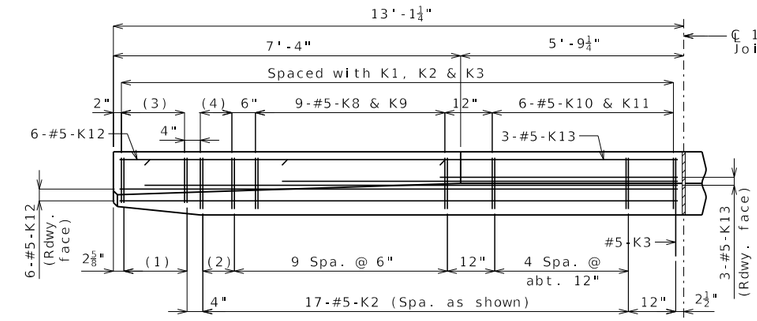
SECTION D-D



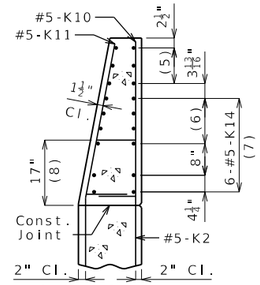
SECTION E-E



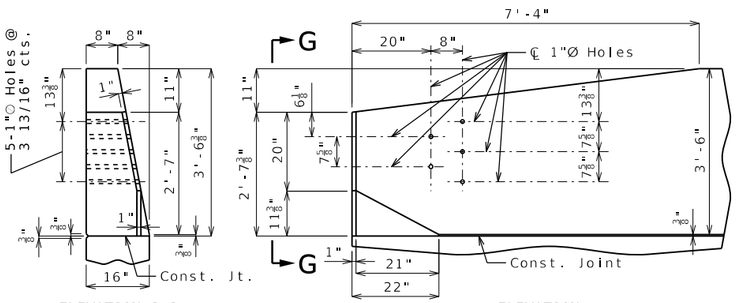
SECTION C-C



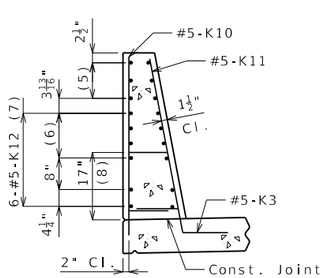
PART PLAN



SECTION F-F

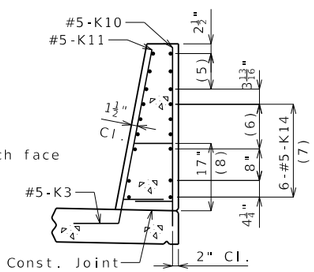


ELEVATION G-G ELEVATION

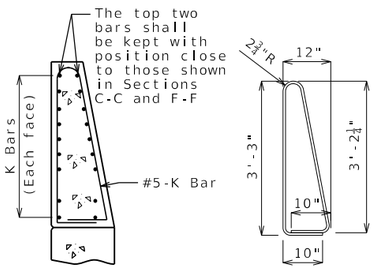


SECTION H-H

(1) 5-#5-K1 @ 4" cts.
(2) 2 spaces @ 4"
(3) 5-#5-K4 & K5
(4) 3-#5-K6 & K7
(5) 3-#5-K13 or K15 @ 4½" cts., each face
(6) 3 spaces @ 3 13/16"
(7) Spaced as shown, each face
(8) To top of bar



SECTION I-I

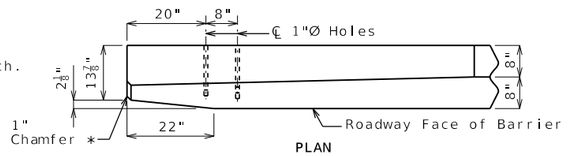


K10-K11 BAR PERMISSIBLE ALTERNATE SHAPE

(Other K bars not shown for clarity)

The K10-K11 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.



PLAN

DETAILS OF GUARD RAIL ATTACHMENT

* Transition to zero at Type A curb for gutter lines to match.

General Notes:

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent.

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar)

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI JUSTIN M. DAVIS NUMBER PE-2007020258 PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025

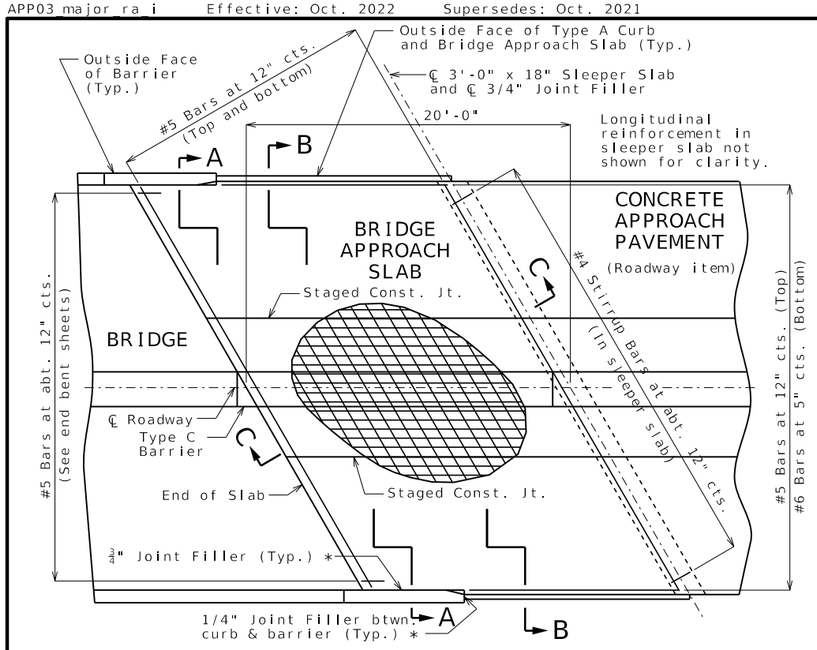
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR23

COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

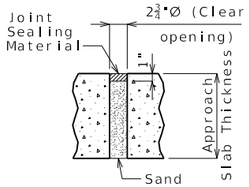
NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

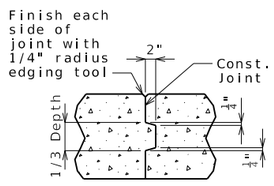


PART PLAN SHOWING REINFORCEMENT

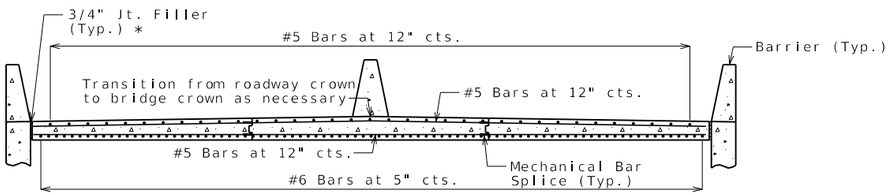


UNDERSEAL ACCESS HOLE DETAIL

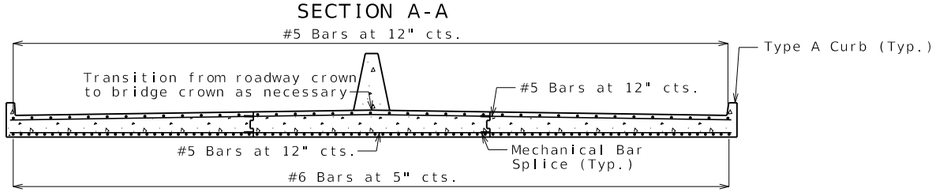
(If required)



CONSTRUCTION JOINT DETAIL

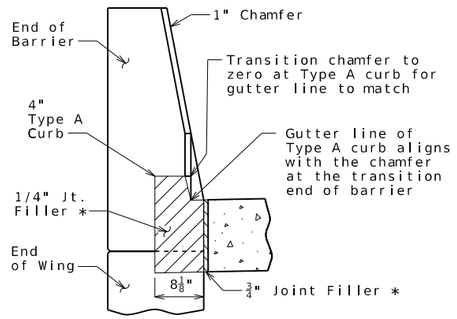


SECTION A-A

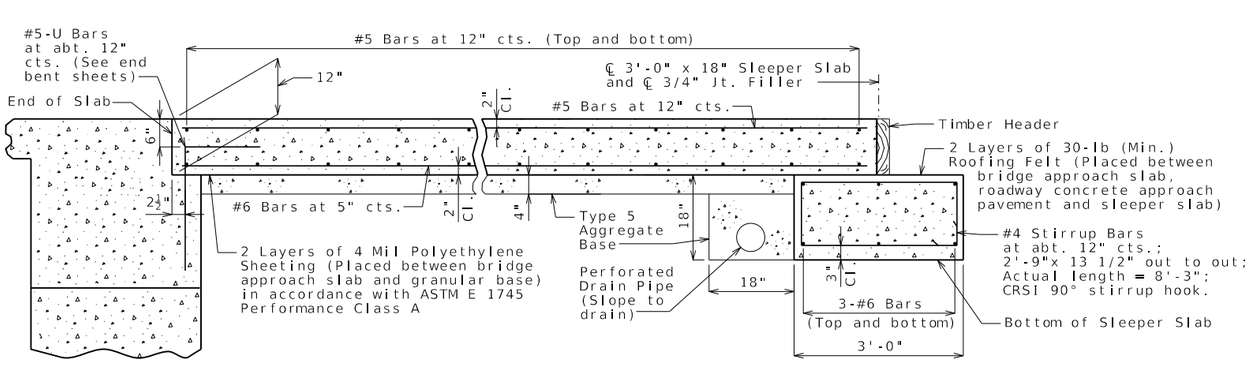


SECTION B-B

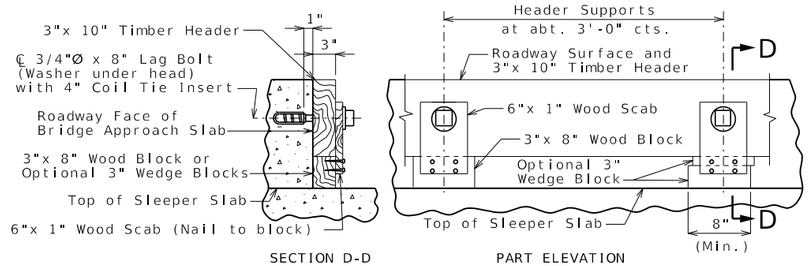
The bottom of the approach slab shall be crowned to match the crown of the roadway surface.



SECTION BETWEEN CURB AND BARRIER



SECTION C-C



SECTION D-D PART ELEVATION

DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 29 inches for #5 bars and 44 inches for #6 bars, or by mechanical bar splice.

Mechanical bar splices shall be in accordance with Sec 710 (Estimated 96 splices per slab).

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

The contractor shall pour and satisfactorily finish the bridge slab before placing the bridge approach slab.

Longitudinal construction joints in approach slab and sleeper slab shall be aligned with longitudinal construction joints in bridge slab.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED	
9/12/2025	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
BR	2-BR24
COUNTY	
LAFAYETTE	
JOB NO.	
JST0019	
CONTRACT ID.	
250507-C01	
PROJECT NO.	
BRIDGE NO.	
A9742	

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

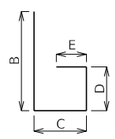
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

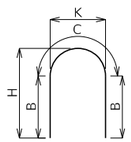
Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

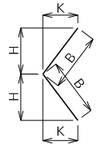
BRIDGE APPROACH SLAB (MAJOR)



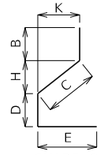
SHAPE 6
or 6S



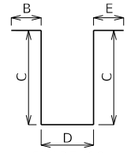
SHAPE 7



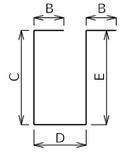
SHAPE 8
or 8S



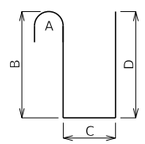
SHAPE 9
or 9S



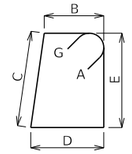
SHAPE 10
or 10S



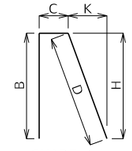
SHAPE 11
or 11S



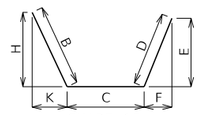
SHAPE 12



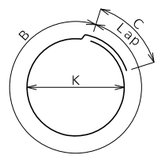
SHAPE 13S



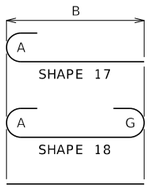
SHAPE 14
or 14S



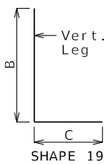
SHAPE 15
or 15S



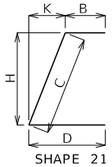
SHAPE 16



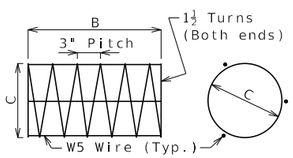
SHAPE 17
SHAPE 18
SHAPE 20



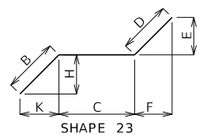
SHAPE 19
or 19S



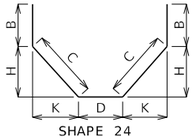
SHAPE 21
or 21S



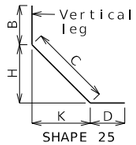
SHAPE 22



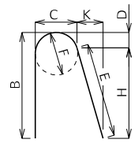
SHAPE 23
or 23S



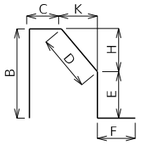
SHAPE 24
or 24S



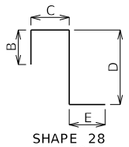
SHAPE 25
or 25S



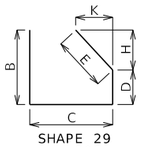
SHAPE 26



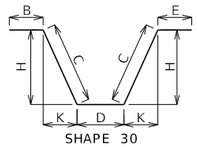
SHAPE 27S



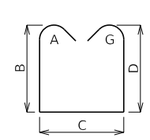
SHAPE 28
or 28S



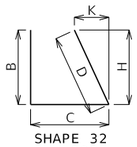
SHAPE 29
or 29S



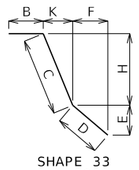
SHAPE 30
or 30S



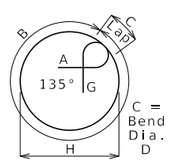
SHAPE 31S



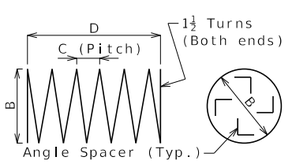
SHAPE 32
or 32S



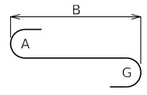
SHAPE 33
or 33S



SHAPE 34S



SHAPE 35 (1)

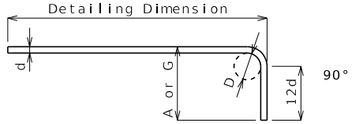


SHAPE 36

Finished Bend Diameters D and Hook Dimensions

Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3¾"	10"	7"	5"
#6	1	4½"	12"	8¼"	6"
#7	2	5¼"	14"	9¾"	7"
	3	7"	15"	11½"	8¾"
#8	2	6"	16"	11"	8"
	3	8"	17"	13¼"	10"
#9	1	9½"	19½"	15½"	11¾"
#10	1	10¾"	22"	17½"	13¼"
#11	1	12"	24½"	19½"	14⅞"
#14	1	18¼"	31¼"	27½"	21⅜"
#18	1	24"	41½"	36¼"	28½"

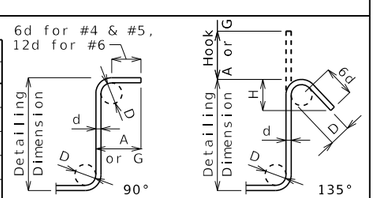


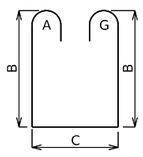
Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G			H	J
			90°	135°	180°	135°	180°
#4	2	2"	4½"	4½"	5"	2⅝"	3"
	3	3"	5"	5½"	6"	3"	4"
#5	2	2½"	5¾"	5¾"	5¾"	3⅝"	3¾"
	3	3¾"	6¼"	6½"	7"	3⅞"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅝"	6"

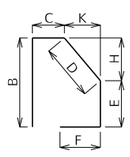
Applicable for all grades of steel.

Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.





SHAPE 37S



SHAPE 38S

BENDING DIAGRAMS

Note:
For bar connected with mechanical bar splices, dimensions and bar lengths provided are measured to the construction joint with no addition or reduction in length for the mechanical splice.

All dimensions are out to out.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

(1) Shall be a deformed or plain spiral bar or wire.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

Reinforcing Steel Totals (Pounds)

	Size	Substructure		Superstructure				Entire Bridge	
				Slab			Slip		
		Plain	Epoxy	Plain	Epoxy	Barrier	Form	Plain	Epoxy
By Size	W5	0	0	0	0	0	0	0	0
	4	0	0	0	2,062	0	0	0	2,062
	5	0	0	0	49,510	6,668	188	0	56,366
	6	0	0	0	47,553	0	0	0	47,553
	7	0	0	0	0	0	0	0	0
	8	0	0	0	8,928	0	0	0	8,928
	9	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0	0
	14	0	0	0	0	0	0	0	0
	18	0	0	0	0	0	0	0	0
By Type		0	0	0	108,053	6,668	188	0	114,909

All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR25
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		SUPERSTRUCTURE													
		END BENT NO. 1													
		PHASE 1													
5	6 H111	DIAPHRAGM	E	20		39 5.00							39 5	39 5	296
2	6 H112	DIAPHRAGM	E	20		3 3.00							3 3	3 3	10
8	6 H113	DIAPHRAGM	E	20		4 8.00							4 8	4 8	56
12	6 H114	DIAPHRAGM	E	20		8 11.00							8 11	8 11	161
3	6 H115	DIAPHRAGM	E	20		6 2.00							6 2	6 2	28
4	8 H116	BEAM	E	20		39 5.00							39 5	39 5	421
8	8 H117	BEAM	E	20		6 4.00							6 4	6 4	135
4	8 H118	BEAM	E	20		39 1.00							39 1	39 1	417
6	6 H119	BEAM	E	20		39 5.00							39 5	39 5	355
4	5 H100	STRAND TIE	E	23S		15.00	3 2.00	15.00	3.88	14.50	3.88	14.50	5 8	5 8	24
4	8 H101	DIAPHRAGM	E	20		37 4.00							37 4	37 4	399
24	5 U111	BEAM	E	10S			6 10.00	2 10.00					16 6	16 3	407
22	4 U112	BEAM	E	13S		2 10.00	3 5.00	2 10.00	3 5.00				13 3	13 0	191
6	4 U113	BEAM	E	10S			3 5.00	2 10.00					9 8	9 6	38
27	5 U114	DIAPHRAGM	E	10S			4 3.00	2 4.00					10 10	10 7	298
27	6 U115	DIAPHRAGM	E	19S		3 6.00	2 10.00						6 4	6 2	250
53	6 U116	DIAPHRAGM	E	19S		3 0.00	4 8.00						7 8	7 6	597
40	5 U117	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	132
6	5 V111	BEAM	E	20		6 10.00							6 10	6 10	43
20	6 V112	DIAPHRAGM	E	20		3 6.00							3 6	3 6	105
		PHASE 2													
11	6 F121	WING BRACE	E	23		14.00	4 10.00	2 3.00	7.00	2 2.13	3.63	13.50	8 3	8 3	136
5	6 F122	DIAPHRAGM	E	21			2 10.00	5 2.00			2 8.88	8.75	8 0	7 8	58
5	6 H121	DIAPHRAGM	E	20		37 6.00							37 6	37 6	282
1	6 H122	DIAPHRAGM	E	20		21.00							1 9	1 9	3
4	6 H123	DIAPHRAGM	E	20		3 2.00							3 2	3 2	19
12	6 H124	DIAPHRAGM	E	20		8 11.00							8 11	8 11	161
3	6 H125	DIAPHRAGM	E	20		6 2.00							6 2	6 2	28
4	6 H126	DIAPHRAGM	E	20		4 2.00							4 2	4 2	25
1	6 H127	DIAPHRAGM	E	20		2 9.00							2 9	2 9	4
2	6 H128	BEAM	E	20		15 7.00							15 7	15 7	47
4	6 H129	BEAM	E	20		37 6.00							37 6	37 6	225
4	8 H140	BEAM	E	20		37 6.00							37 6	37 6	401
4	8 H141	BEAM	E	20		16 11.00							16 11	16 11	181
4	8 H142	BEAM	E	20		26 9.00							26 9	26 9	286
4	5 H143	STRAND TIE	E	23S		15.00	3 2.00	15.00	3.88	14.50	3.88	14.50	5 8	5 8	24
4	8 H144	DIAPHRAGM	E	20		38 6.00							38 6	38 6	411
20	6 H145	WING	E	20		11 8.00							11 8	11 8	350
2	6 H146	WING	E	20		11 8.00							11 8	11 8	35
8	8 H147	WING	E	20		12 6.00							12 6	12 6	267
25	5 U121	BEAM	E	10S			6 5.00	2 10.00					15 8	15 5	402
8	4 U122	BEAM	E	13S		2 10.00	2 8.00	2 10.00	2 8.00				11 9	11 6	61
6	4 U123	BEAM	E	10S			2 8.00	2 10.00					8 2	8 0	32
25	5 U124	DIAPHRAGM	E	10S			4 3.00	2 4.00					10 10	10 7	276
25	6 U125	DIAPHRAGM	E	19S		3 6.00	2 10.00						6 4	6 2	232
49	6 U126	DIAPHRAGM	E	19S		3 0.00	4 8.00						7 8	7 6	552
37	5 U127	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	122
9	4 U128	BEAM	E	13S		2 10.00	3 0.00	2 10.00	3 1.00				12 5	12 2	73
5	4 U129	BEAM	E	10S			3 0.00	2 10.00					8 10	8 8	29
20	6 V122	DIAPHRAGM	E	20		3 6.00							3 6	3 6	105
2	6 V123	WING	E	20		7 4.00							7 4	7 4	22
20	6 V124	WING	E	20		7 4.00							7 4	7 4	220
		PHASE 3													
11	6 F131	WING BRACE	E	23		14.00	3 9.00	2 3.00	21.38	16.50	11.13	8.50	7 2	7 1	117
5	6 F132	DIAPHRAGM	E	21		5 2.00	2 10.00				2 8.88	8.75	8 0	7 10	59
5	6 H131	DIAPHRAGM	E	20		37 6.00							37 6	37 6	282
1	6 H132	DIAPHRAGM	E	20		21.00							1 9	1 9	3
4	6 H133	DIAPHRAGM	E	20		3 2.00							3 2	3 2	19
12	6 H134	DIAPHRAGM	E	20		8 11.00							8 11	8 11	161
3	6 H135	DIAPHRAGM	E	20		6 2.00							6 2	6 2	28
4	6 H136	DIAPHRAGM	E	20		4 2.00							4 2	4 2	25
1	6 H137	DIAPHRAGM	E	20		2 9.00							2 9	2 9	4
2	6 H138	BEAM	E	20		15 7.00							15 7	15 7	47

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		END BENT NO. 1													
		PHASE 3 (CONT.)													
4	6 H139	BEAM	E	20		37 6.00							37 6	37 6	225
4	8 H150	BEAM	E	20		37 6.00							37 6	37 6	401
4	8 H151	BEAM	E	20		16 11.00							16 11	16 11	181
4	8 H152	BEAM	E	20		26 9.00							26 9	26 9	286
4	5 H153	STRAND TIE	E	23S		15.00	3 2.00	15.00	3.88	14.50	3.88	14.50	5 8	5 8	24
4	8 H154	DIAPHRAGM	E	20		38 6.00							38 6	38 6	411
20	6 H155	WING	E	20		11 8.00							11 8	11 8	350
2	6 H156	WING	E	20		11 8.00							11 8	11 8	35
8	8 H157	WING	E	20		12 6.00							12 6	12 6	267
23	5 U131	BEAM	E	10S			6 5.00	2 10.00					15 8	15 5	370
9	4 U132	BEAM	E	13S		2 10.00	2 8.00	2 10.00	2 8.00				11 9	11 6	69
5	4 U133	BEAM	E	10S			2 8.00	2 10.00					8 2	8 0	27
25	5 U134	DIAPHRAGM	E	10S			4 3.00	2 4.00					10 10	10 7	276
25	6 U135	DIAPHRAGM	E	19S		3 6.00	2 10.00						6 4	6 2	232
49	6 U136	DIAPHRAGM	E	19S		3 0.00	4 8.00						7 8	7 6	552
37	5 U137	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	122
11	4 U138	BEAM	E	13S		2 10.00	3 0.00	2 10.00	3 0.00				12 5	12 2	89
3	4 U139	BEAM	E	10S			3 0.00	2 10.00					8 10	8 8	17
4	5 V131	BEAM	E	20		6 5.00							6 5	6 5	27
20	6 V132	DIAPHRAGM	E	20		3 6.00							3 6	3 6	105
2	6 V133	WING	E	20		7 4.00							7 4	7 4	22
20	6 V134	WING	E	20		7 4.00							7 4	7 4	220
		END BENT NO. 2													
		PHASE 1													
5	6 H211	DIAPHRAGM	E	20		39 5.00							39 5	39 5	296
2	6 H212	DIAPHRAGM	E	20		3 3.00							3 3	3 3	10
8	6 H213	DIAPHRAGM	E	20		4 8.00							4 8	4 8	56
12	6 H214	DIAPHRAGM	E	20		8 11.00							8 11	8 11	161
3	6 H215	DIAPHRAGM	E	20		6 2.00							6 2	6 2	28
4	8 H216	BEAM	E	20		39 5.00							39 5	39 5	421
8	8 H217	BEAM	E	20		6 4.00							6 4	6 4	135
4	8 H218	BEAM	E	20		39 1.00							39 1	39 1	417
6	6 H219	BEAM	E	20		39 5.00							39 5	39 5	355
4	5 H200	STRAND TIE	E	23S		15.00	3 2.00	15.00	3.88	14.50	3.88	14.50	5 8	5 8	24
4	8 H201	DIAPHRAGM	E	20		37 4.00							37 4	37 4	399
22	5 U211	BEAM	E	10S			6 10.00	2 10.00					16 6	16 3	373
21	4 U212	BEAM	E	13S		2 10.00	3 5.00	2 10.00	3 5.00				13 3	13 0	182
7	4 U213	BEAM	E	10S			3 5.00	2 10.00					9 8	9 6	44
27	5 U214	DIAPHRAGM	E	10S			4 3.00	2 4.00					10 10	10 7	298
27	6 U215	DIAPHRAGM	E	19S		3 6.00	2 10.00						6 4	6 2	250
53	6 U216	DIAPHRAGM	E	19S		3 0.00	4 8.00						7 8	7 6	597
40	5 U217	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	132
10	5 V211	BEAM	E	20		6 10.00							6 10	6 10	71
20	6 V212	DIAPHRAGM	E	20		3 6.00							3 6	3 6	105
		PHASE 2													
11	6 F221	WING BRACE	E	23		14.00	3 9.00	2 3.00	21.38	16.50	11.13	8.50	7 2	7 1	117
5	6 F222	DIAPHRAGM	E	21		5 2.00	2 10.00				2 8.88	8.75	8 0	7 10	59
5	6 H221	DIAPHRAGM	E	20		37 6.00							37 6	37 6	282
1	6 H222	DIAPHRAGM	E	20		21.00							1 9	1 9	3
4	6 H223	DIAPHRAGM	E	20		3 2.00							3 2	3 2	19
12	6 H224	DIAPHRAGM	E	20		8 11.00							8 11	8 11	161
3	6 H225	DIAPHRAGM	E	20		6 2.00							6 2	6 2	28
4	6 H226	DIAPHRAGM	E	20		4 2.00							4 2	4 2	25
1	6 H227	DIAPHRAGM	E	20		2 9.00							2 9	2 9	4
2	6 H228	BEAM	E	20		15 7.00							15 7	15 7	47
4	6 H229	BEAM	E	20		37 6.00							37 6	37 6	225
4	8 H240	BEAM	E	20		37 6.00							37 6	37 6	401
4	8 H241	BEAM	E	20		16 11.00							16 11	16 11	181
4	8 H242	BEAM	E	20		26 9.00							26 9	26 9	286
4	5 H243	STRAND TIE	E	23S		15.00	3 2.00	15.00	3.88	14.50	3.88	14.50	5 8	5 8	24
4	8 H244	DIAPHRAGM	E	20		38 6.00							38 6	38 6	411
20	6 H245	WING	E	20		11 8.00							11 8	11 8	350
2	6 H246	WING	E	20		11 8.00							11 8	11 8	35
8	8 H247	WING	E	20		12 6.00							12 6	12 6	267

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 2-BR25.

All bars shall be Grade 60.

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

Detailed JULY 2025
Checked AUG. 2025

BILL OF REINFORCING STEEL

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR26
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

NO.	DATE	APPD. BY	REVISIONS
A	08-13-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
B	09-08-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
1	09-12-25	JMD	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave. ; Kansas City, MO 64158 (816)912-4720
MO CONSULT, INC.
PRO. ENGINEER 2010005873

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		END BENT NO. 2													
		PHASE 2 (CONT.)													
24	5 U221	BEAM	E	10S			6 5.00	2 10.00					15 8	15 5	386
8	4 U222	BEAM	E	13S		2 10.00	2 8.00	2 10.00	2 8.00				11 9	11 6	61
6	4 U223	BEAM	E	10S			2 8.00	2 10.00					8 2	8 0	32
25	5 U224	DIAPHRAGM	E	10S			4 3.00	2 4.00					10 10	10 7	276
25	6 U225	DIAPHRAGM	E	19S		3 6.00	2 10.00						6 4	6 2	232
49	6 U226	DIAPHRAGM	E	19S		3 0.00	4 8.00						7 8	7 6	552
37	5 U227	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	122
9	4 U228	BEAM	E	13S		2 10.00	3 0.00	2 10.00	3 0.00				12 5	12 2	73
5	4 U229	BEAM	E	10S			3 0.00	2 10.00					8 10	8 8	29
2	5 V221	BEAM	E	20		6 5.00							6 5	6 5	13
20	6 V222	DIAPHRAGM	E	20		3 6.00							3 6	3 6	105
2	6 V223	WING	E	20		7 4.00							7 4	7 4	22
20	6 V224	WING	E	20		7 4.00							7 4	7 4	220
		PHASE 3													
11	6 F231	WING BRACE	E	23		14.00	4 10.00	2 3.00	16.50	21.38	8.50	11.13	8 3	8 2	135
5	6 F232	DIAPHRAGM	E	21			2 10.00	5 2.00			2 8.88	8.75	8 0	7 8	58
5	6 H231	DIAPHRAGM	E	20		37 6.00							37 6	37 6	282
1	6 H232	DIAPHRAGM	E	20		21.00							1 9	1 9	3
4	6 H233	DIAPHRAGM	E	20		3 2.00							3 2	3 2	19
12	6 H234	DIAPHRAGM	E	20		8 11.00							8 11	8 11	161
3	6 H235	DIAPHRAGM	E	20		6 2.00							6 2	6 2	28
4	6 H236	DIAPHRAGM	E	20		4 2.00							4 2	4 2	25
1	6 H237	DIAPHRAGM	E	20		2 9.00							2 9	2 9	4
2	6 H238	BEAM	E	20		15 7.00							15 7	15 7	47
4	6 H239	BEAM	E	20		37 6.00							37 6	37 6	225
4	8 H250	BEAM	E	20		37 6.00							37 6	37 6	401
4	8 H251	BEAM	E	20		16 11.00							16 11	16 11	181
4	8 H252	BEAM	E	20		26 9.00							26 9	26 9	286
4	5 H253	STRAND TIE	E	23S		15.00	3 2.00	15.00	3.88	14.50	3.88	14.50	5 8	5 8	24
4	8 H254	DIAPHRAGM	E	20		38 6.00							38 6	38 6	411
20	6 H255	WING	E	20		11 8.00							11 8	11 8	350
2	6 H256	WING	E	20		11 8.00							11 8	11 8	35
8	8 H257	WING	E	20		12 6.00							12 6	12 6	267
21	5 U231	BEAM	E	10S			6 5.00	2 10.00					15 8	15 5	338
10	4 U232	BEAM	E	13S		2 10.00	2 8.00	2 10.00	2 8.00				11 9	11 6	77
4	4 U233	BEAM	E	10S			2 8.00	2 10.00					8 2	8 0	21
25	5 U234	DIAPHRAGM	E	10S			4 3.00	2 4.00					10 10	10 7	276
25	6 U235	DIAPHRAGM	E	19S		3 6.00	2 10.00						6 4	6 2	232
49	6 U236	DIAPHRAGM	E	19S		3 0.00	4 8.00						7 8	7 6	552
37	5 U237	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	122
12	4 U238	BEAM	E	13S		2 10.00	3 0.00	2 10.00	3 0.00				12 5	12 2	98
2	4 U239	BEAM	E	10S			3 0.00	2 10.00					8 10	8 8	12
8	5 V231	BEAM	E	20		6 5.00							6 5	6 5	54
20	6 V232	DIAPHRAGM	E	20		3 6.00							3 6	3 6	105
2	6 V233	WING	E	20		7 4.00							7 4	7 4	22
20	6 V234	WING	E	20		7 4.00							7 4	7 4	220
		SLAB													
		PHASE 1													
20	6 S10	SLAB	E	20	1	5 7.00							5 7	5 7	
						41 0.00							41 0	41 0	700
172	6 S11	SLAB	E	20		42 0.00							42 0	42 0	10850
20	6 S12	SLAB	E	20	1	5 7.00							5 7	5 7	
						41 0.00							41 0	41 0	700
60	5 S13	SLAB	E	20		49 10.00							49 10	49 10	3119
92	5 S14	SLAB	E	20		50 2.00							50 2	50 2	4814
17	5 S15	SLAB	E	20	1	5 7.00							5 7	5 7	
						40 5.00							40 5	40 5	408
148	5 S16	SLAB	E	20		42 4.00							42 4	42 4	6535
17	5 S17	SLAB	E	20	1	5 7.00							5 7	5 7	
						40 5.00							40 5	40 5	408
56	4 S18	SLAB	E	10S		6.00	6.00	3 8.00	6.00				5 8	5 4	200
16	4 S19	SLAB	E	20		6 6.00							6 6	6 6	69
		PHASE 2													
19	6 S20	SLAB	E	20	1	2 5.00							2 5	2 5	
						36 0.00							36 0	36 0	548
175	6 S21	SLAB	E	20		37 0.00							37 0	37 0	9725
18	6 S22	SLAB	E	20	1	3 9.00							3 9	3 9	

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		SLAB													
		PHASE 2 (CONT.)													
						35 6.00							35 6	35 6	531
62	5 S23	SLAB	E	20		49 10.00							49 10	49 10	3223
94	5 S24	SLAB	E	20		50 2.00							50 2	50 2	4918
16	5 S25	SLAB	E	20	1	2 7.00							2 7	2 7	
						35 3.00							35 3	35 3	316
150	5 S26	SLAB	E	20		37 0.00							37 0	37 0	5789
16	5 S27	SLAB	E	20	1	3 3.00							3 3	3 3	
						35 11.00							35 11	35 11	327
56	4 S28	SLAB	E	10S		6.00	6.00	3 8.00	6.00				5 8	5 4	200
16	4 S29	SLAB	E	20		6 6.00							6 6	6 6	69
		PHASE 3													
18	6 S30	SLAB	E	20	1	3 9.00							3 9	3 9	
						35 6.00							35 6	35 6	531
175	6 S31	SLAB	E	20		37 0.00							37 0	37 0	9725
19	6 S32	SLAB	E	20	1	2 5.00							2 5	2 5	
						36 0.00							36 0	36 0	548
62	5 S33	SLAB	E	20		49 10.00							49 10	49 10	3223
94	5 S34	SLAB	E	20		50 2.00							50 2	50 2	4918
16	5 S35	SLAB	E	20	1	3 3.00							3 3	3 3	
						35 11.00							35 11	35 11	327
150	5 S36	SLAB	E	20		37 0.00							37 0	37 0	5789
16	5 S37	SLAB	E	20	1	2 7.00							2 7	2 7	
						35 3.00							35 3	35 3	316
56	4 S38	SLAB	E	10S		6.00	6.00	3 8.00	6.00				5 8	5 4	200
16	4 S39	SLAB	E	20		6 6.00							6 6	6 6	69
		TYPE D BARRIER													
		(ALL PHASES)													
20	5 K1	BARRIER	E	27S		3 5.00	9.25	5.38	2 11.75		5.25	1.00	7 7	7 5	155
70	5 K2	BARRIER	E	27S		3 5.00	9.25	14.50	2 2.75		14.25	2.75	7 8	7 5	541
4	5 K3	BARRIER	E	27S		22.50	9.25	14.50	7.75	12.00	14.25	2.75	5 6	5 2	22
20	5 K4	BARRIER	E	19S	4	2 4.25	10.00						3 2	3 1	
						2 6.25	10.00						3 4	3 3	66
20	5 K5	BARRIER	E	38S	4			18.50	9.50	8.25	18.00	4.00	3 0	2 11	
								20.50	9.50	8.25	20.00	4.50	3 2	3 1	63
12	5 K6	BARRIER	E	19S		2 6.75	10.00						3 5	3 4	42
12	5 K7	BARRIER	E	21S			2 6.63	10.00			2 6.00	6.25	3 5	3 3	41
36	5 K8	BARRIER	E	19S	4	2 8.50	10.00						3 7	3 5	
						3 2.50	10.00						4 1	3 11	139
36	5 K9	BARRIER	E	21S	4		2 8.50	10.00			2 7.75	6.75	3 7	3 5	
							3 2.50	10.00			3 1.75	7.75	4 1	3 11	139
26	5 K10	BARRIER	E	19S		3 3.00	10.00						4 1	4 0	108
26	5 K11	BARRIER	E	21S			3 3.00	10.00			3 2.25	7.75	4 1	3 10	104
24	5 K12	BARRIER	E	20		12 9.00							12 9	12 9	319
12	5 K13	BARRIER	E	20	4	12 0.00							12 0	12 0	
						6 0.00							6 0	6 0	113
24	5 K14	BARRIER	E	20		13 1.00							13 1	13 1	328
12	5 K15	BARRIER	E	20	4	12 4.00							12 4	12 4	
						6 4.00							6 4	6 4	117
186	5 R1	BARRIER	E	26		3 3.00	5.50	2.25	3 1.00	5.50	3 0.75	6.75	6 8	6 7	1277
186	5 R2	BARRIER	E	19S		20.50	9.50						2 6	2 5	469
120	5 R3	BARRIER	E	27S			9.50	15.25	5.00	12.00	15.00	3.00	3 6	3 4	647
70	5 R4	BARRIER	E	20		47 5.00							47 5	47 5	1978
4															
20		SLIP FORM													
		(ALL PHASES)													
20	5 C1	BARRIER	E	20		12 0.00							12 0	12 0	100
	5 C2	BARRIER	E	20		10 6.00							10 6	10 6	88
12															
12															
36															
36															
26															
26															
24															
12															
24															
12															
186															
186															
186															
36															

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 2-BR25.

All bars shall be Grade 60.

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

Detailed JULY 2025
Checked AUG. 2025

BILL OF REINFORCING STEEL

Note: This drawing is not to scale. Follow dimensions.

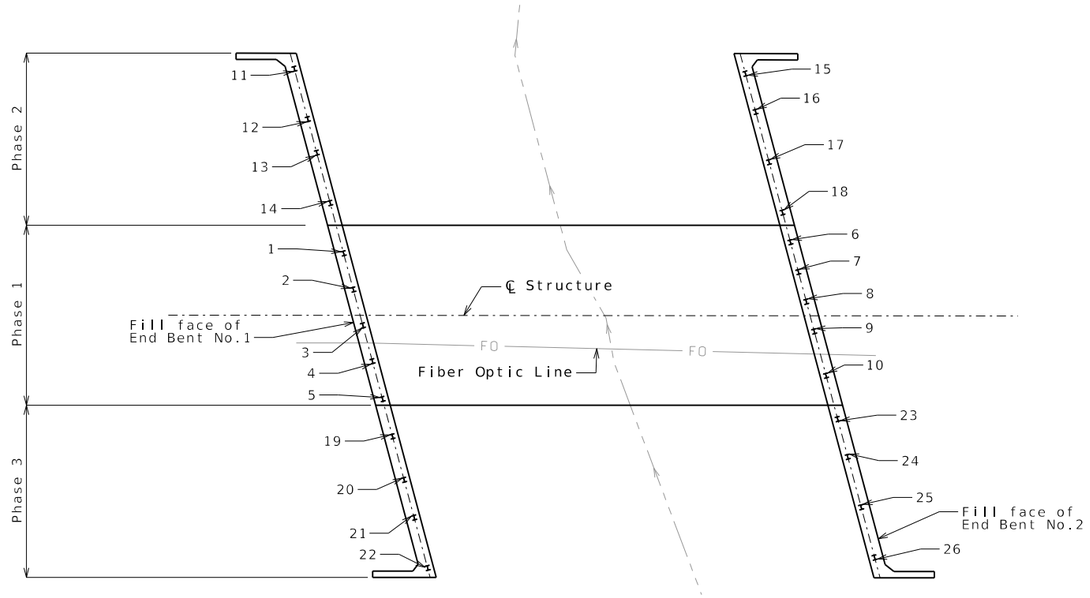
STATE OF MISSOURI
JUSTIN M. DAVIS
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR27
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

NO.	APPD. BY	DATE	REVISIONS
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Consult engineers Inc planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)912-4720
Mo CONSULT, INC.
PRO. ENGINEER 2010005873



Note:
Indicate in remarks column:
A. Pile type and grade
B. Batter
C. Driven to practical refusal
D. PDA test pile
E. Minimum tip elevation controlled
(Use when actual blow count is less than PDA blow count due to minimum tip elevation requirement. A plus sign (+) shall be placed after the PDA nominal axial compressive resistance value indicating actual value is higher than PDA value.)

This sheet to be completed by MoDOT construction personnel.

PART PLAN SHOWING PILE NUMBERING FOR RECORDING AS-BUILT PILE DATA

As-Built Pile Data

Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
			Phase 1 End Bent No. 1		
1					
2					
3					
4					
5					
			Phase 1 End Bent No. 2		
6					
7					
8					
9					
10					

As-Built Pile Data

Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
			Phase 2 End Bent No. 1		
11					
12					
13					
14					
			Phase 2 End Bent No. 2		
15					
16					
17					
18					

As-Built Pile Data

Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
			Phase 3 End Bent No. 1		
19					
20					
21					
22					
			Phase 3 End Bent No. 2		
23					
24					
25					
26					

AS-BUILT PILE DATA

Detailed JULY 2025
Checked AUG. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED: 9/12/2025
ROUTE: I-70 | STATE: MO
DISTRICT: BR | SHEET NO.: 2-BR28
COUNTY: LAFAYETTE
JOB NO.: JST0019
CONTRACT ID.: 250507-C01
PROJECT NO.:
BRIDGE NO.: A9742

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

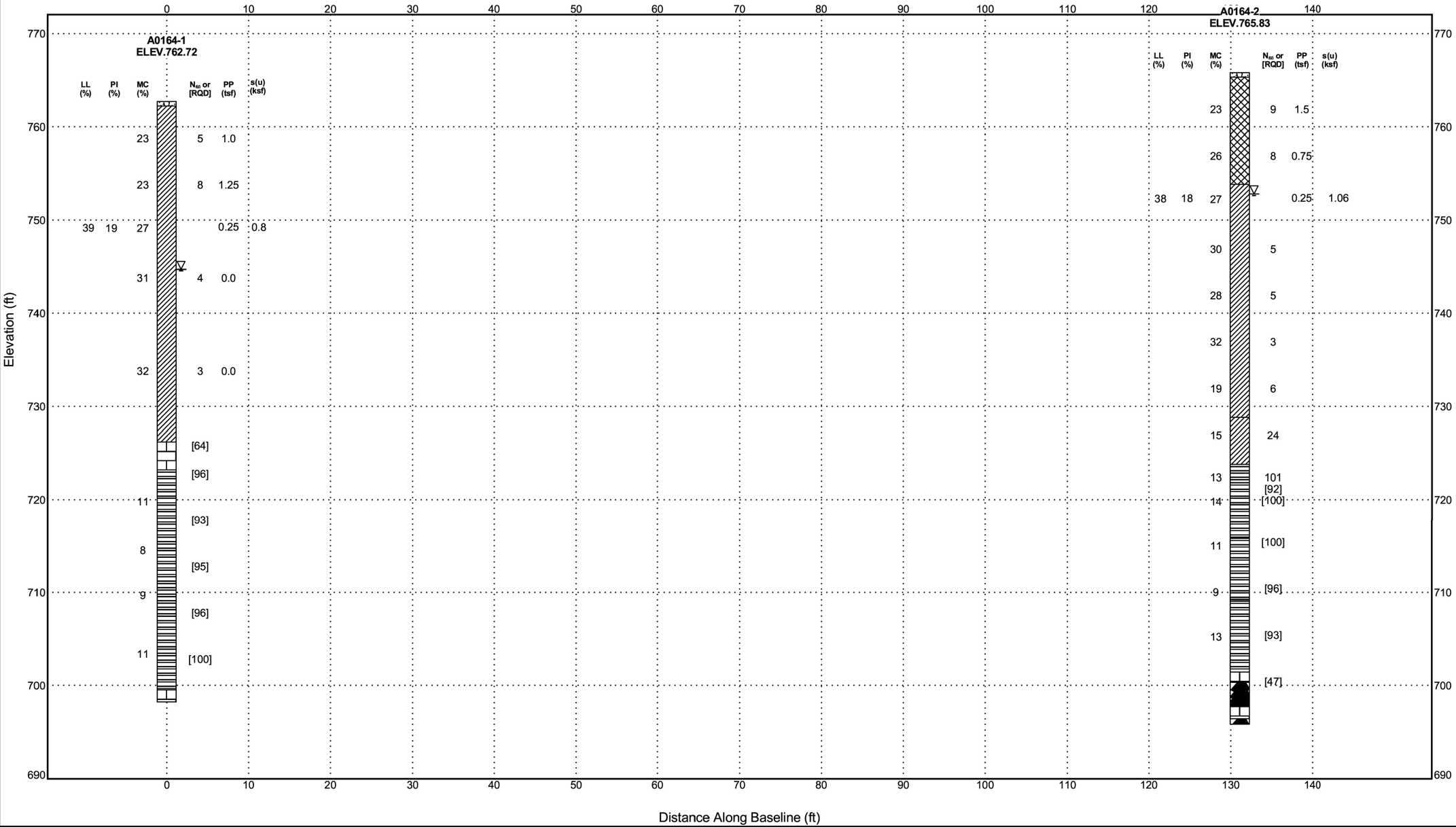
Consult engineers inc planners
7733 N. Wallace Ave. - Kansas City, MO 64158 | (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Geotechnology

SUBSURFACE DIAGRAM

PROJECT NAME Bridge A0164
PROJECT LOCATION I-70 W over Little Horseshoe Creek
CLIENT Hg Consult, Inc./MoDOT
PROJECT NUMBER J4I2293

Topsoil
Shale
USCS Low Plasticity Clay
Fill (made ground)
Limestone
Coal



BORING DATA

Note: For locations of borings, see Sheet No. 2-BR01.

Note: This drawing is not to scale. Follow dimensions.

Detailed JULY 2025
Checked AUG. 2025

Sheet No. 29 of 30

STATE OF MISSOURI
JUSTIN M. JAMES
NUMBER PE-2007020256
PROFESSIONAL ENGINEER

DATE PREPARED 9/12/2025
ROUTE I-70
STATE MO
DISTRICT BR
SHEET NO. 2-BR29
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

REVISIONS

NO.	APPD. BY	DATE	
A	JMD	08-13-25	EARLY BRIDGE PACKAGE FINAL PLANS
B	JMD	09-08-25	EARLY BRIDGE PACKAGE FINAL PLANS
1	JMD	09-12-25	EARLY BRIDGE PACKAGE - RFC PLANS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

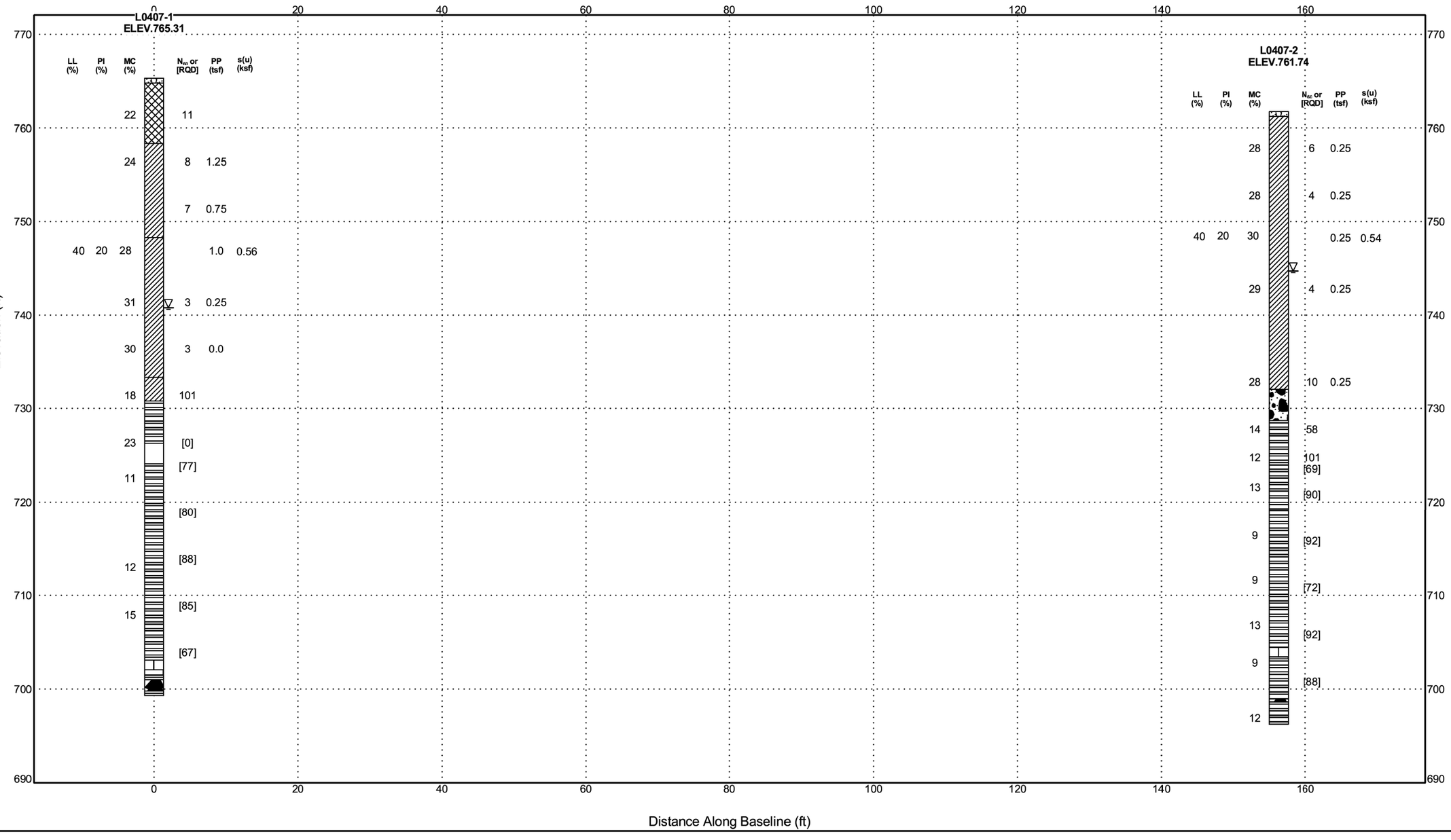
Consult inc engineers planners
7733 N. Wallace Ave. - Kansas City, MO 64158 (816)912-4720
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

Geotechnology

SUBSURFACE DIAGRAM

PROJECT NAME Bridge L0407
PROJECT LOCATION I-70 E over Little Horseshoe Creek
CLIENT Hg Consult, Inc./MoDOT
PROJECT NUMBER J4I2293

Topsoil
Shale
Coal
Fill (made ground)
USCS Well-graded Sandy Gravel
USCS Low Plasticity Clay
Limestone



BORING DATA

Note: For locations of borings, see Sheet No. 2-BR01.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 30 of 30

Detailed JULY 2025
Checked AUG. 2025

NO.	DATE	APPD. BY	REVISIONS
A	08-13-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
B	09-08-25	JMD	EARLY BRIDGE PACKAGE FINAL PLANS
1	09-12-25	JMD	EARLY BRIDGE PACKAGE - RFC PLANS

DATE PREPARED 9/12/2025
ROUTE I-70 | STATE MO
DISTRICT BR | SHEET NO. 2-BR30
COUNTY LAFAYETTE
JOB NO. JST0019
CONTRACT ID. 250507-C01
PROJECT NO.
BRIDGE NO. A9742

STATE OF MISSOURI JUSTIN M. DAVIS NUMBER PE-2007020256 PROFESSIONAL ENGINEER

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult, Inc.
7733 N. Wallace Ave., Kansas City, MO 64158 (816)912-4720
PRO. ENGINEER 2010005873