INDEX TO PROJECT

NOTE:
FOR DETAILED BRIDGE INFORMATION, PLEASE REFER TO NEXT SHEET "BRIDGE LOCATION SHEET".

ALABAMA

DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED PROJECT NUMBER

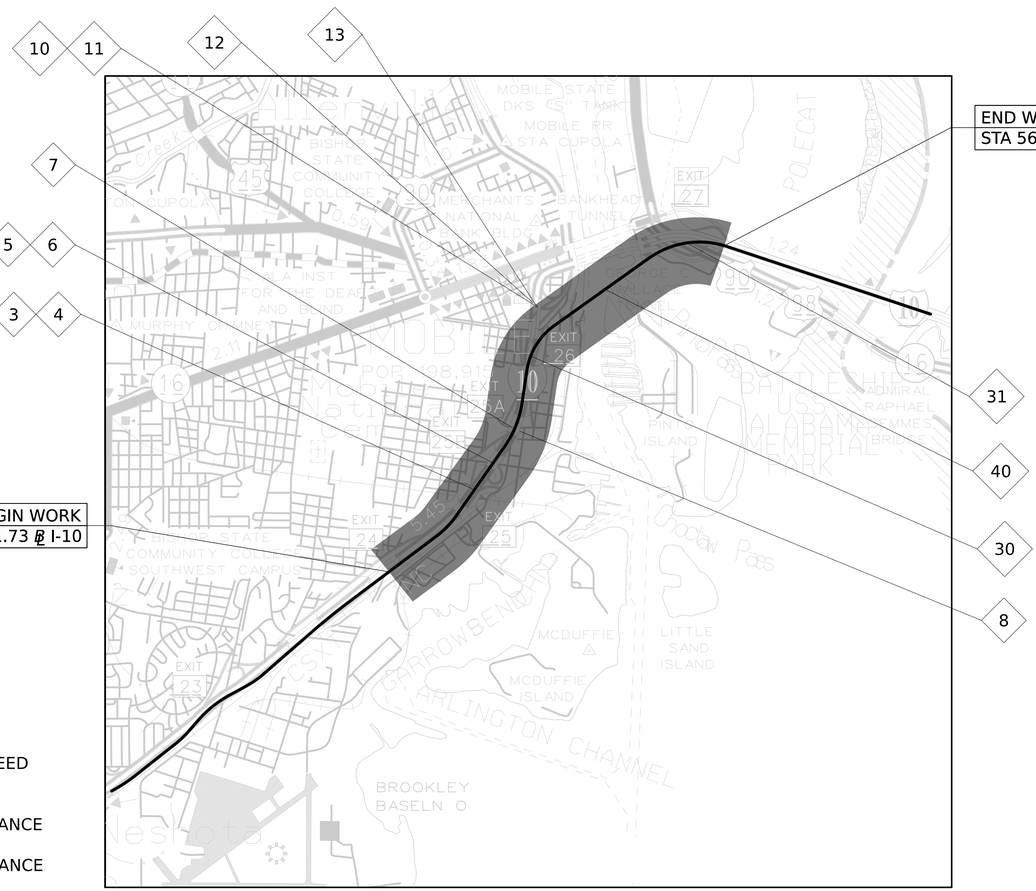
INFRA-I010(353)

MOBILE RIVER BRIDGE

90% SUBMITTAL

PACKAGE NAME: I-10 WB & EB OVER VIRGINIA STREET

MOBILE COUNTY



STATE	REFERENCE PROJECT NO	FISCAL YEAR
AL	INFRA-I010(353)	2025
CONTRACT ID NO		

ALABAMA DEPARTMENT OF TRANSPORTATION
Submitted for Approval:
STATE DESIGN ENGINEER
CHIEF ENGINEER
Approved:
TRANSPORTATION DIRECTOR

DESIGN EXCEPTIONS

I-10 BUSINESS EB AT THE WALLACE TUNNEL
WEST PORTAL TIE-IN (STA 6029+89.76)
LONGITUDINAL DOWNGRADE IS 6.10%
INSIDE AND OUTSIDE SHOULDERS WIDTHS ARE 1 FT

I-10 BUSINESS WB AT THE WALLACE TUNNEL
WEST PORTAL TIE-IN (STA 6029+83.50)
LONGITUDINAL UPGRADE IS 5.45%
INSIDE AND OUTSIDE SHOULDERS WIDTHS ARE 1 FT

I-10 AT TENNESSEE STREET; EB (STA 431+23 TO 442+61)
& WB (STA 438+05 TO 442+61)
VERTICAL STOPPING SIGHT DISTANCE MEETS 50 MPH DESIGN SPEED

I-10 WEST HIGH LEVEL APPROACH BRIDGE
EB (STA 485+24 TO 500+15); HORIZONTAL STOPPING SIGN DISTANCE MEETS 60 MPH DESIGN SPEED
WB (STA 490+34 TO 508+09);HORIZONTAL STOPPING SIGN DISTANCE MEETS 55 MPH DESIGN SPEED

I-10 EAST HIGH LEVEL APPROACH BRIDGE
EB (STA 541+07+24 TO 564+93); HORIZONTAL STOPPING SIGN DISTANCE MEETS 60 MPH DESIGN SPEED

KIEWIT
MASSMAN
TRAYLOR
A JOINT VENTURE

Kiewit

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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BRIDGE LOCATION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-GN-05002

SHEET REFERENCE 0 1" 2"

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REQUIRED BRIDGES

INDEX	ROADWAY	STA	TO	STA	LENGTH	BIN*	EFFECT
3	I-10 WB OVER SOUTH CAROLINA ST	441+97.54	-	443+73.54	176.00'	021820	NO EFFECT
4	I-10 EB OVER SOUTH CAROLINA ST	441+97.54	-	443+73.54	176.00'	021821	NO EFFECT
5	I-10 WB OVER VIRGINIA ST	452+48.39	-	454+48.39	200.00'	021822	NO EFFECT
6	I-10 EB OVER VIRGINIA ST	452+48.39	-	454+48.39	200.00'	021823	NO EFFECT
7	I-10 BUS WB OVER TEXAS ST	5980+39.82	-	5982+79.82	240.00'	021824	NO EFFECT
8	I-10 BUS EB OVER TEXAS ST	5980+69.51	-	5986+09.51	540.00'	021825	NO EFFECT
10	I-10 BUS WB OVER CANAL ST & CLAIBORNE ST	6012+96.00	-	6026+71.00	1375.00'	021827	NO EFFECT
11	I-10 BUS EB OVER CANAL ST & CLAIBORNE ST	6013+07.39	-	6026+69.00	1361.61'	021828	NO EFFECT
12	WATER ST WB OFF RAMP	1304+31.00	-	1309+64.19	533.19'	021829	NO EFFECT
13	WATER ST EB OFF RAMP	1206+26.00	-	1208+29.17	203.17'	021830	NO EFFECT
30	I-10 MAINLINE WEST HIGH LEVEL APPROACH	466+57.38	-	508+90.05	4232.67'	XXXXX	NO EFFECT
31	I-10 MAINLINE EAST HIGH LEVEL APPROACH	534+65.05	-	569+16.51	3451.46'	XXXXX	NO EFFECT
40	MAIN SPAN BRIDGE	508+90.05	-	534+65.05	2575.00'	XXXXX	NO EFFECT
				TOTAL LENGTH =	15264.10'		TOTAL EFFECT =

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit

KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

IFE

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. OF

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BRIDGE LOCATION SHEET

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INDEX OF SHEETS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-GN-05003

*	REV	DATE	SHEET NO	DESCRIPTION
*	B	06/16/2025	S01-GN-05001	TITLE SHEET
*	B	06/16/2025	S01-GN-05002	BRIDGE LOCATION PLAN SHEET
*	B	06/16/2025	S01-GN-05003	INDEX OF SHEETS
*	B	06/16/2025	S01-GN-05004	PROJECT ABBREVIATION SHEET
*	B	06/16/2025	S01-BR-05001	GENERAL NOTES (1 OF 2)
*	B	06/16/2025	S01-BR-05002	GENERAL NOTES (2 OF 2)
*	B	06/16/2025	S01-BR-05003	GENERAL PLAN AND ELEVATION
*	B	06/16/2025	S01-BR-05004	FOUNDATION LAYOUT
*	B	06/16/2025	S01-BR-05005	DRILLED SHAFT TABLE
*	B	06/16/2025	S01-BR-05006	SEQUENCE OF CONSTRUCTION
*	B	06/16/2025	S01-BR-05007	JOINT LAYOUT
*	B	06/16/2025	S01-BR-05008	WESTBOUND SPAN 1 DETAILS
*	B	06/16/2025	S01-BR-05009	WESTBOUND SPAN 2 DETAILS
*	B	06/16/2025	S01-BR-05010	WESTBOUND SPAN 3 DETAILS
*	B	06/16/2025	S01-BR-05011	EASTBOUND SPAN 1 DETAILS
*	B	06/16/2025	S01-BR-05012	EASTBOUND SPAN 2 DETAILS
*	B	06/16/2025	S01-BR-05013	EASTBOUND SPAN 3 DETAILS
*	B	06/16/2025	S01-BR-05014	WB TYPICAL SECTION (SPAN 1)
*	B	06/16/2025	S01-BR-05015	WB TYPICAL SECTION (SPAN 2)
*	B	06/16/2025	S01-BR-05016	WB TYPICAL SECTION (SPAN 3)
*	B	06/16/2025	S01-BR-05017	EB TYPICAL SECTION (SPAN 1)
*	B	06/16/2025	S01-BR-05018	EB TYPICAL SECTION (SPAN 2)
*	B	06/16/2025	S01-BR-05019	EB TYPICAL SECTION (SPAN 3)
*	B	06/16/2025	S01-BR-05020	SUPERSTRUCTURE REINFORCING (1 OF 2)
*	B	06/16/2025	S01-BR-05021	SUPERSTRUCTURE REINFORCING (2 OF 2)
*	B	06/16/2025	S01-BR-05022	LIGHT PEDESTAL DETAILS
*	B	06/16/2025	S01-BR-05023	FIB-36 EDGE BEAM DETAILS (1 OF 2)
*	B	06/16/2025	S01-BR-05024	FIB-36 EDGE BEAM DETAILS (2 OF 2)
*	B	06/16/2025	S01-BR-05025	FIB-45 EDGE BEAM DETAILS (1 OF 2)
*	B	06/16/2025	S01-BR-05026	FIB-45 EDGE BEAM DETAILS (2 OF 2)
*	B	06/16/2025	S01-BR-05027	FIB-36 GIRDER DETAILS (1 OF 2)
*	B	06/16/2025	S01-BR-05028	FIB-36 GIRDER DETAILS (2 OF 2)
*	B	06/16/2025	S01-BR-05029	FIB-45 GIRDER DETAILS (1 OF 2)
*	B	06/16/2025	S01-BR-05030	FIB-45 GIRDER DETAILS (2 OF 2)
*	B	06/16/2025	S01-BR-05031	SKEWED GIRDER END DETAILS
*	B	06/16/2025	S01-BR-05032	GIRDER SCHEDULE (1 OF 2)
*	B	06/16/2025	S01-BR-05033	GIRDER SCHEDULE (2 OF 2)
*	B	06/16/2025	S01-BR-05034	INCREMENTAL DECK ELEVATIONS (1 OF 2)
*	B	06/16/2025	S01-BR-05035	INCREMENTAL DECK ELEVATIONS (2 OF 2)
*	B	06/16/2025	S01-BR-05036	BEARING DETAILS
*	B	06/16/2025	S01-BR-05037	ABUTMENT 1 WB
*	B	06/16/2025	S01-BR-05038	ABUTMENT 1 EB
*	B	06/16/2025	S01-BR-05039	ABUTMENT 4 WB
*	B	06/16/2025	S01-BR-05040	ABUTMENT 4 EB
*	B	06/16/2025	S01-BR-05041	ABUTMENT DETAILS
*	B	06/16/2025	S01-BR-05042	ABUTMENT BILL OF REINFORCEMENT
*	B	06/16/2025	S01-BR-05043	BENT 2 WB
*	B	06/16/2025	S01-BR-05044	BENT 2 EB
*	B	06/16/2025	S01-BR-05045	BENT 3 WB
*	B	06/16/2025	S01-BR-05046	BENT 3 EB
*	B	06/16/2025	S01-BR-05047	BENT DETAILS
*	B	06/16/2025	S01-BR-05048	BENT BILL OF REINFORCEMENT
*	B	06/16/2025	S01-BR-05049	PEDESTAL & SKID BLOCK DETAILS
*	B	06/16/2025	S01-BR-05050	BORING LOGS SPT LEGEND
*	B	06/16/2025	S01-BR-05051	TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05052	TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05053	TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05054	TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05055	CPT RECORD SHEET
*	B	06/16/2025	S01-BR-05056	RID TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05057	RID TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05058	RID TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05059	RID TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05060	RID TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05061	RID TEST BORING RECORD SHEET
*	B	06/16/2025	S01-BR-05062	RID CPT TESTING SHEET

*	REV	DATE	SHEET NO	DESCRIPTION
*	B	06/16/2025	S01-BR-05063	RID CPT TESTING SHEET

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ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90 % FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. OF

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
INDEX OF SHEETS

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1" SHEET REFERENCE 2" 1" 0

PLANS ABBREVIATIONS SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-GN-05004

ABANDON(ED) ABAN
ABUTMENT ABUT
ACCELERATION ACCL
ACQUIRED ACQD
ACRE AC
AHEAD AH
ALABAMA AL
ALABAMA DEPARTMENT OF TRANSPORTATION ALDOT
ALTERNATE ALT
APPROXIMATE(LY) APP
AREA A
ASPHALT ASP
AVERAGE ANNUAL DAILY TRAFFIC AADT
BACK BK
BACK OF GUARDRAIL BK-GR
BACKSIGHT BS
BARBED WIRE B/W
BARREL BBL
BARRIER BAR
BASE LINE BL
BEARING BRNG
BEGIN BEG
BEGINNING OF PROJECT BOP
BETWEEN BTW
BILLBOARD BBD
BENCH MARK BM
BITUMINOUS BIT
BITUMINOUS COATED CORRUGATED METAL PIPE BCCMP
BOUNDARY BDY
BRIDGE BRG
BRIDGE END SLAB BES
CAPACITY CAPY
CAST IRON CI
CAST IN PLACE CIP
CATCH BASIN CB
CENTERLINE CL
CHAIN LINK C/L
CLASS CLS
CONCRETE CONC
CONNECTION CONN
CONSTRUCTION LIMITS CONST LIM
CORNER COR
CORRECTION CORR
CORRUGATED IRON CORI
CORRUGATED METAL CM
CORRUGATED METAL PIPE CMP
CORRUGATED PLASTIC PIPE CPP
COUNTY CO
COUNTY ROAD CO-RD
CREEK CK
CROSS SECTION X-SECT
CROWN REMOVED CR
CUBIC FEET FT3 or CU FT
CUBIC FEET PER SECOND CFS
CUBIC YARD YD3 or CU YD
CUBIC METERS M3
CULVERT CULV
CULTIVATED CULT
CURB FACE CF
CURB AND GUTTER C&G
CUT C
CURVE TO SPIRAL CS
DECELERATION DECEL
DECLINATION DECL
DEGREE OF CURVE D
DENIED ACCESS D/A
DEPARTURE DEP
DIAMETER DIA
DIRECTION DIR
DISTANCE DIST
DOUBLE DBL
DOUBLE BARREL CULVERT CD
DRAINAGE AREA DA
DRIVE DR
DROP INLET DI
EACH EA
EASEMENT ESMT
EAST E
EAST BOUND ROADWAY EBR
EDGE OF PAVEMENT EP
ELEVATION EL
END OF RETURN ER
END ANCHOR E/A
END OF PROJECT EOP or ELEV
EQUATION EQ
EROSION CONTROL PRODUCTS ECP
EXCAVATION EXCAV
EXISTING EX
EXPANSION EXP
EXTENSION EXT
EXTERNAL E
EXTRA STRENGTH EXT STR
FEET FT
FILL F
FILTER BLANKET FLT BLNK
FINISHED GRADE FG
FINISHED SURFACE FS
FISCAL YEAR FY
FIXED FIX
FLAT BOTTOM FB
FLOW LINE FL
FORESIGHT OR FRONTSIGHT FST
FRACTIONAL FRAC
FULL SUPERELEVATION FS
GALLON GAL
GASOLINE PUMPS GPP
GARAGE GAR
GAUGE GA
GIRDER GDR
GOVERNMENT GOV
GRASS GRS
GRADE CHANGE GC
GRADE POINT GP
GRADE ROD GRD
GRAVEL GRV
GUARDRAIL GR
HEADWALL HDWL
HECTARE HA
HIGH WATER MARK HWM
HEIGHT HT
HEIGHT OF INSTRUMENT HI
HIGH WATER HW
HIGHWAY HWY
HOGWIRE H/W
HORIZONTAL HOR
HUB & TACK H&T
HYDRANT HYD
IMPACT ATTENUATOR IA
IN ACCORDANCE WITH I/A/W
IN PLACE IN-PL
INCHES IN
INCLUDING INCL
INCORPORATED INC
INSTRUMENT INST
ISLAND ISL
JOINT JT
JUNCTION JCT
JUNCTION BOX JB
KILOMETER KM
KILOMETER POST KMP
KILOMETERS PER HOUR KPH
LANE LN
LATITUDE LAT
LEFT LT
LEFT AHEAD LA
LEFT BACK LB
LENGTH OF CURVE L
LINK LK
LIMIT LIM
LINEAR LIN
LINEAR FEET LIN FT
LOCK-UP DEVICE LUD
LONGITUDE LONG
MANHOLE MH
MARKER MRK
MAXIMUM MAX
MEAN HIGH WATER MHW
MEAN LOW WATER MLW
MEASUREMENT MEAS
MEDIAN MED
METER M
MERIDIAN MER
MILE POST MP
MILES MI
MILES PER HOUR MPH
MILLIMETER MM
MINIMUM MIN
MONUMENT MON
MULTIPLE MULT
NORMAL NO
NORMAL CROWN NC
NORMAL CROWN SLOPE NCS
NORTH N
NORTH BOUND ROADWAY NBR
NORTHING-EASTING NE
NOT IN CONTRACT NIC
NOT TO SCALE NTS
NUMBER NO
OBSERVATION OBS
ON CENTER OC
ORIGINAL ORIG
OVERHAUL OH
OVERHEAD OHD
OUT TO OUT OO
PAINT PNT
PAVED PVD
PAVED SHOULDER PVD SH
PAVEMENT PVMT
PIPE END TREATMENT PET
PIPE ENTERING CULVERT PEC
PLATE GIRDER ℄ GDR
POINT OF BEGINNING POB
POINT OF COMPOUND CURVE PCC
POINT OF CURVATURE PC
POINT OF REVERSE CURVATURE PRC
POINT OF ENDING POE
POINT OF INTERSECTION PI
POINT OF TANGENCY PT
POINT ON CURVE POC
POUND LB
PRESENT PRES
PROFILE GRADE PG
PROJECT PROJ
PROJECT CONTROL PJC
PROPERTY LINE PL
PROPOSED PROP
QUADRUPLE QUAD
QUADRUPLE BARREL CULVERT CQ
QUANTITY QUANT
RADIUS R
RAILROAD RR
RANGE RGE
RECORD REC
REDUCTION RED
REFERENCE REF
REFERENCE POINT RP
REFERENCE POINT FOR POINT ON TANGENT RPPOT
REINFORCED REINF
REINFORCED CONCRETE RC
REINFORCED CONCRETE DECK GIRDER RCDG
REINFORCED CONCRETE PIPE RCP
REINFORCING STEEL REINF STL
RELOCATE RELC
REMOVE REM
REQUIRED REQD
RETAIN(ING) RET
REVERSE CROWN RC
REVISION REV
RIGHT RT
RIGHT AHEAD RA
RIGHT BACK RB
RIGHT OF WAY ROW
RIGHT OF WAY MARKER ROWM
RIVER RIV
ROAD RD
ROADWAY RDWY
SECTION SEC
SERVICE ROAD SER RD
SHEET SHT
SHEET PILING SHT PILE
SHOULDER SHLD
SIDE DRAIN SD
SIDEWALK SW
SIGHT DISTANCE S DIST
SINGLE BARREL CULVERT CS
SKEW SK
SLOPE STAKE SST
SOLID SODDING SOL SOD
SOUTH S
SOUTHBOUND ROADWAY SBR
SPECIAL SP
SPECIAL DITCH SP-DT
SPECIAL DITCH LEFT SDL
SPECIAL DITCH MEDIAN SDM
SPECIAL DITCH RIGHT SDR
SPECIAL DRAWING SP-DWG
SPECIFICATIONS SPEC
SPRING LINE SL
SPIRAL TO CURVE SC
SPIRAL POINT OF INTERSECTION SPI
SPIRAL TO TANGENT ST
SQUARE SQ
SQUARE FEET FT2 or SQ YD
SQUARE METERS M2
SQUARE YARDS YD2 or SQ FT
STAKE STK
STANDARD STD
STANDARD DRAWING STD-DWG
STANDARD STRENGTH STD STR
STATION STA
STATION & ELEVATION S/E
STATION & OFFSET SO
STOPPING SIGHT DISTANCE SSD
STREET ST
STRUCTURE STR
SUB-GRADE SG
SUPERELEVATION SE, se or e
SURVEY SRV
SYMMETRICAL SYM
TANGENT TAN
TANGENT LENGTH (CURVE DATA) T
TANGENT TO SPIRAL TS
TEMPORARY TEMP
TEMPORARY BENCH MARK TBM
THROAT TH
TOWNSHIP TSHP
TRIPLE TR
TRIPLE BARREL CULVERT CT
TURN OUT TO
TURNING POINT TP
TYPE TY
UNIT U
UNKNOWN UNK
UNPAVED UNPVD
VALLEY GUTTER VG
VARIABLE VAR
VERTICAL VERT
VERTICAL CURVE VC
VERTICAL POINT OF CURVATURE PVC
VERTICAL POINT OF INTERSECTION PVI
VERTICAL POINT OF TANGENCY PVT
VITRIFIED VIT
VOLUME VOL
WEST W
WEST BOUND ROADWAY WBR
WING WALL WW
WITNESS CORNER WC
WOOD WD
WORKING POINT WP
WOVEN WIRE W/W
YARD YD

STRUCTURES

NUMBER OF STORIES 1, 2, 3, 4
FRAME FR
BUILDING BLDG
BLOCK BLK
BRICK BR
STUCCO STU
METAL MET
RESIDENCE RES
BUSINESS BUS
WAREHOUSE WHSE
CHICKEN HOUSE CH HSE
CHURCH CH
SCHOOL SCH
DOUBLE WIDE MOBILE HOME DW MH
MOBILE HOME MH
EACH FACE EF
NEAR FACE NF
FAR FACE FF
REAR FACE RF
INSIDE FACE IF
OUTSIDE FACE OF
EQUAL EQ
SPACE SPA
EQUAL SPACE(S) EQ SPA
PROFILE GRADE LINE PGL
CLEARANCE CLR
TYPICAL TYP
CONSTRUCTION JOINT CONST JT
OPTIONAL OPT
GALVANIZED GALV
INSIDE DIAMETER ID
OUTSIDE DIAMETER OD
PREMOULDED PREM
NOMINAL NOM
STIRRUP STIRR
BOTTOM BOT
DIAGRAM DIAG
RADIAL RAD
INTERIOR INT
EXTERIOR EXT
MECHANICALLY STABILIZED EARTH MSE
PREFORMED CELLULAR POLYSTYRENE PCP
CLOSED CELL NEOPRENE SPONGE CCNS
DOWNSTATION DS
LONGITUDINAL LONGIT
TRANSVERSE TRANS
UPSTATION US

THICKNESS THK
ENGINEER OF RECORD EOR

ITS

CONGESTION CONG
CLOSED CIRCUIT TELEVISION CCTV
DYNAMIC MESSAGE SIGN DMS
HIGH LEVEL APPROACH HLA
INTELLIGENT TRANSPORTATION SYSTEM(S) ITS
PULL BOX PBB
PAN TILT ZOOM PTZ
SECONDARY FIBER DISTRIBUTION UNIT SFDU
THE INFRA-RED TRAFFIC LOGGER TIRTL
TRANSPORTATION MANAGEMENT CENTER TMC
PRIMARY FIBER DISTRIBUTION UNIT PFDU

UTILITIES

ANCHOR WIRE AW
BURIED ELECTRIC BE
BURIED FIBER OPTIC BFO
BURIED TELEPHONE CABLE BTC
BURIED CABLE TELEVISION BTV
CAST IRON CI
CIRCUIT CKT
DUCTILE IRON BUC IRON
EASEMENT ESMT
FIBER OPTIC FO
FIRE HYDRANT FH
FORCED MAIN (SANITARY SEWER) FM
GAS MAIN GM
GAS METER GMET
GAS VALVE GV
GUY WIRE GUY
HIGH PRESSURE HP
KILOVOLT AMPS KVA
MANHOLE MH
MERCURY VAPOR LIGHT MVL
OVERHEAD FIBER OPTIC OFO
OVERHEAD TELEPHONE CABLE OTC
OVERHEAD ELECTRIC CABLE OE
OVERHEAD CABLE TELEVISION OTV
PAIR PR
PEDESTAL PED
POLY-VINYL CHLORIDE PIPE PVC
POWER POLE PP
SANITARY SEWER SS
SERVICE SERV
STEEL STL
STORM DRAIN STM
STORM SEWER STMS
SWITCH SW
TELEPHONE TEL
TELEPHONE MANHOLE TMH
TRANSFORMER TRAN
TRANSMISSION LINE TR LN
TRIAXIAL CABLE (SERVICE) TRIX
VITRIFIED CLAY PIPE VCP
WATER MAIN WM
WATER METER WMET
WATER VALVE WV

PROPERTY

DEED BOOK DB
REAL PROPERTY BOOK RP
PLAT BOOK PB
MAP BOOK MB
PAGE PG
OFFICIAL RECORD OR
CAPPED (TYPICAL PLASTIC SURVEYORS CAP) CAP
ALUMINUM CAP ALUM CAP
BRASS CAP BR CAP
IRON PIPE IP
CRIMPED CR
REINFORCING STEEL REBAR
CONCRETE MONUMENT CM
DAMAGED DAM
CHISELED X CH"X"
HUB AND TACK H&T
HAIL AND BOTTLE TOP H&BT
PARKER-KALON (MASONARY NAILS) PK NAIL
FENCE POST F-POST
RAILROAD IRON RR IRON
COTTON SPINDLE COT SP
ANGLE IRON ANGLE IRON

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INFRA-I010(353)	2025	S01-BR-05001

PRELIMINARY
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0 1" SHEET REFERENCE 2"

NOTES:

1. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM (NAVD) 88.
2. THE ENVIRONMENTAL CLASSIFICATION FOR BOTH SUPERSTRUCTURE AND SUBSTRUCTURE IS EXTREMELY AGGRESSIVE.
3. STEEL REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
4. ALL CONCRETE 28 DAY STRENGTH SHALL BE 4000 PSI UNLESS OTHERWISE NOTED.
5. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
6. ANTI-GRAFFITI COATING MUST BE PLACED ON ALL EXPOSED SURFACES OF PROPOSED WALLS AND ALL BRIDGE STRUCTURAL ELEMENTS INCLUDING THE MAIN SPAN BRIDGE AND HIGH-LEVEL APPROACHES, FROM THE FINISHED GROUND SURFACE AT THE BASE OF THE ELEMENT TO A HEIGHT OF AT LEAST 10 FEET ABOVE THE FINISHED GROUND SURFACE. IN ADDITION, BRIDGE ABUTMENTS EXTERIOR FACING COMPONENTS AND THE BOTTOM AND OUTWARD FACES OF EXTERIOR GIRDERS AT ABUTMENTS ONLY ARE TO BE COATED.

REQUIRED:

4 - REINFORCED CONCRETE ABUTMENTS 1 & 4 ON DRILLED SHAFTS AS PER BRIDGE SHEET NOS 3-5, 37-42, & 49.

4 - REINFORCED CONCRETE BENTS 2 & 3 ON DRILLED SHAFTS AS PER BRIDGE SHEET NOS 3-5 & 43-49.

2 - 45'-0" PRESTRESSED CONCRETE FLORIDA-I 36 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET NOS 3, 7, 8, 11, 14, 17, 20, 21, 23, 24, 27, 28, & 31-33.

2 - 110'-0" PRESTRESSED CONCRETE FLORIDA-I 45 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET NOS 3, 7, 9, 12, 15, 18, 20, 21, 25-27, & 29-33.

2 - 45'-0" PRESTRESSED CONCRETE FLORIDA-I 36 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET NOS 3, 7, 8, 10, 13, 16, 19-21, 24, 27, 28, & 31-33.

TEST BORING RECORD PER BRIDGE SHEET NOS 50-63.

BRIDGE SPECIAL PROJECT DRAWINGS:

BRIDGE STANDARD DETAILS	BRIDGE SPECIAL PROJECT DWG NO SBD-1
BRIDGE BARRIER RAIL (36" SINGLE SLOPE)	BRIDGE SPECIAL PROJECT DWG NO BBR-1
54" SINGLE SLOPE BARRIER RAIL	BRIDGE SPECIAL PROJECT DWG NO XXX-X
STANDARD DECK REINFORCEMENT DETAILS	BRIDGE SPECIAL PROJECT DWG NO SDR-1
REINFORCED CONCRETE END SLAB WITH BARRIER RAIL TRANSITION	BRIDGE SPECIAL PROJECT DWG NO BES-450(IJ)BP
TRAFFIC PROTECTION	BRIDGE SPECIAL PROJECT DWG NO TP-1

UTILITY DISPOSTION TABLE

ITEM	UTILITY	DISPOSITION
1	MAWSS - 48" SANITARY SEWER	PROTECT IN PLACE, TO REMAIN. FRAGILE LINE APPROXIMATELY 3-4 FEET DEEP.
2	WINDSTREAM FIBER	PROTECT IN PLACE, TO REMAIN. 3" PE LINE
3	UNITI FIBER	PROTECT IN PLACE, TO REMAIN. 2-2.5" HDPE LINE
4	ALDOT BURIED ELECTRIC	TO BE RELOCATE / REPLACED, MAY ENCOUNTER. FEED FOR STREET LIGHTS
5	ALDOT BOX CULVERT	PROTECT IN PLACE, TO REMAIN. LOCATION TO BE CONFIRMED (DATA PENDING FROM SUE PROVIDER)
6	MAWSS - 48" SANITARY SEWER	PROTECT IN PLACE, TO REMAIN. FRAGILE LINE APPROXIMATELY 3-4 FEET DEEP. CLOSE TO PIER DEMO

I CERTIFY THAT COMPLETE REVIEWS OF THE DESIGNER'S CALCULATIONS, CONTRACT STRUCTURAL DRAWINGS, APPLICABLE SPECIFICATIONS, AND SPECIAL PROVISIONS HAVE BEEN MADE BY COMPETENT ENGINEERS OF THIS ORGANIZATION, AND THAT THESE PLANS ARE ACCURATE, COMPLETE, AND SUITABLE FOR LETTING.

APPROVED:_____ DATE:_____
(Engineer of Record's Signature)
REGISTRATION NO_____

APPROVED:_____ DATE:_____
(Reviewing Engineer of Record's Signature)
REGISTRATION NO. _____

ACCEPTED BY
STATE BRIDGE ENGINEER DATE

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:_____

BRIDGE SHEET NO. 1 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
GENERAL NOTES (1 OF 2)

MRB-S01-BR-05001.dgn
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9:11:41 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05002

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

STANDARD BRIDGE NOTES:

93'-4¼" MAX ROADWAY WIDTH WITH 54" SINGLE SLOPE BARRIER AND STANDARD BARRIER RAILS.

THE FOLLOWING NOTE REFERENCE NUMBERS REFER TO GENERAL NOTES AS LISTED ON BRIDGE SPECIAL PROJECT DWG NO SBN-1 WITH MODIFICATIONS.

3. CONCRETE SURFACE FINISH: CLASS 3 SURFACE FINISH SHALL APPLY TO THIS BRIDGE SITE.

4. WASHING: ALL SPILLED CONCRETE AND SPLASHES SHALL BE WASHED OFF STRUCTURAL STEEL BY WATER HOSE IMMEDIATELY AFTER SLAB IS POURED.

13. TRAFFIC PROTECTION: THE BRIDGE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TRAFFIC PROTECTION DURING CONSTRUCTION OF THE OVERPASS. ALL PROTECTORS SHALL BE ADEQUATELY FRAMED AND COVERED WITH ⅜'' (MINIMUM) EXTERIOR GRADE PLYWOOD OR APPROVED EQUAL STRENGTH MATERIAL. THE VERTICAL CLEARANCE SHALL BE THE MAXIMUM OBTAINABLE BUT NOT LESS THAN 14'-0'' UNLESS OTHERWISE SHOWN ON THE PLANS. THE EXACT VERTICAL CLEARANCE IS TO BE DETERMINED AFTER THE PROTECTORS HAVE BEEN DESIGNED. THE CONTRACTOR SHALL SUBMIT SKETCHES OF THE PROTECTION TO THE ENGINEER PRIOR TO CONSTRUCTION. ADDITIONALLY, TRAFFIC PROTECTION SHALL EXTEND 5'-0'' INSIDE THE LIMITS OF REMOVAL OF EXISTING BRIDGES BEING WIDENED. SEE BRIDGE SPECIAL PROJECT DRAWING TP-1 FOR FURTHER DETAILS.

THE CONTRACTOR SHALL NOTIFY THE STATE MAINTENANCE ENGINEER IN MONTGOMERY FIVE (5) DAYS IN ADVANCE WHEN RESTRICTED VERTICAL CLEARANCE WILL BE EFFECTIVE AND ALSO THE DATE THE RESTRICTION IS REMOVED.

16. POURING CURBS, RAILS, AND SIDEWALKS: ALL SLAB CONCRETE SHALL BE POURED PRIOR TO POURING ANY CURBS, RAILS, OR SIDEWALKS ON ANY SIMPLE SPAN, OR ANY CONTINUOUS UNIT.

21. PRESTRESSED CONCRETE GIRDERS WITH POURED-IN-PLACE DECK

(A) SHOP DRAWINGS: SHOP DRAWINGS SHALL BE SUBMITTED AND SHALL SHOW A COMPLETE DETENSIONING SCHEDULE THAT WILL MINIMIZE TENSION IN.THE CONCRETE DURING RELEASE OF THE STRANDS. DETAILED CONCRETE STRESSES DURING EACH OPERATION OF DETENSIONING SHALL BE SUBMITTED WITH THE DRAWINGS. THE SHOP DRAWINGS SHALL SHOW COMPLETE GIRDER DETAILS INCLUDING SHIELDING AND ALL REINFORCING AND STRUCTURAL STEEL.

(B) FINISH: THE ENTIRE TOP OF THE GIRDERS SHALL BE SCRUBBED TRANSVERSELY TO A FULL MAGNITUDE OF APPROXIMATELY ¼'' AT THE TIME OF INITIAL SET TO REMOVE ALL LAITANCE AND TO PROVIDE A ROUGHENED SURFACE. THE USE OF ALL MEMBRANE CURING COMPOUND SHALL NOT BE PERMITTED ON THE TOP OF THE TOP FLANGE OF PRESTRESSED GIRDERS.

(E) INSERTS: INSERTS ENCASED IN TOP OF EXTERIOR GIRDERS FOR USE IN FORMING OVERHANG WILL BE CONSIDERED ON GIRDER DETAILS SUBMITTED FOR APPROVAL.

(F) MISC. HARDWARE: ACCESSORIES ENCASE IN GIRDERS FOR USE IN ATTACHING ANY TEMPORARY BRACING WILL BE CONSIDERED ON GIRDER DETAILS SUBMITTED FOR APPROVAL. AFTER TEMPORARY BRACING IS REMOVED, ANY HOLES THAT EXIST SHALL BE GROUTED AND SURFACE RUBBED TO A NEAT FINISH.

22. CONCRETE PEDESTALS: CONCRETE PEDESTALS MAY BE POURED CONCURRENTLY WITH THE CAP OR POURED SEPARATELY IF A TYPE II EPOXY ADHESIVE IS APPLIED TO THE CONSTRUCTION JOINT JUST PRIOR TO POURING THE PEDESTALS.

23. ANCHOR BOLT INSTALLATION: WELLS ARE REQUIRED FOR THE PLACEMENT OF ANCHOR BOLTS. SEE SECTION 508.03 (d) 2e OF THE STANDARD SPECIFICATIONS FOR FURTHER REQUIREMENTS.

24. BRIDGE DECK FINISH: THE FINAL BRIDGE DECK FINISH BEHIND THE SCREED SHALL BE OBTAINED BY BURLAP DRAG TO MATCH THE EXISTING DECK FINISH.

25. YEAR OF COMPLETION AND REFERENCE MARK: THE YEAR OF COMPLETION OF THIS STRUCTURE, AND THE PERMANENT REFERENCE MARK, AS SHOWN ON BRIDGE SPECIAL PROJECT DRAWING BBR-1 OR BBR-2 AND SBD-1 ARE REQUIRED FOR THIS STRUCTURE.

27. METAL STAY-IN-PLACE FORMS: THIS STRUCTURE HAS BEEN DESIGNED TO ALLOW THE USE OF METAL STAY-IN-PLACE FORMS AT THE CONTRACTOR'S OPTION. SEE SUB-ARTICLE 501.03 (l) OF THE SPECIFICATIONS FOR NECESSARY DETAILS AND REQUIREMENTS. NO FIELD WELDING WILL BE PERMITTED ON STRUCTURAL STEEL MEMBERS UNLESS OTHERWISE NOTED ON THE BRIDGE DRAWINGS. THE CONTRACTOR SHALL EXERCISE CARE WHEN INSTALLING STAY-IN-PLACE FORMS TO INSURE THAT NO FIELD WELDS OR ARC STRIKES OCCUR ON THE STRUCTURAL STEEL MEMBERS.

30. GIRDER ERECTION: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STABILITY AND POSITIONAL CORRECTNESS (PLUMBNESS, ALIGNMENT, ETC.) OF THE GIRDERS DURING ALL PHASES OF CONSTRUCTION. ANY TEMPORARY BRACING AND/OR SUPPORT DEEMED NECESSARY BY THE CONTRACTOR TO ENSURE THE ABOVE UNTIL CONSTRUCTION IS COMPLETE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE STATE. WORKING DRAWINGS FOR BRACING SHALL BE SUBMITTED IN ACCORDANCE WITH ARTICLE 501.03 (l) OF THE STANDARD SPECIFICATIONS.

32. OLD BRIDGE REMOVAL: IN ADDITION TO THE SPECIFICATION REQUIREMENTS FOR REMOVING THE OLD BRIDGE, ANY OF THE EXISTING BRIDGE SUBSTRUCTURE THAT INTERFERES WITH THE CONSTRUCTION OF THE REQUIRED BRIDGE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 2 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
GENERAL NOTES (2 OF 2)

MRB-S01-BR-05002.dgn
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6/26/2025

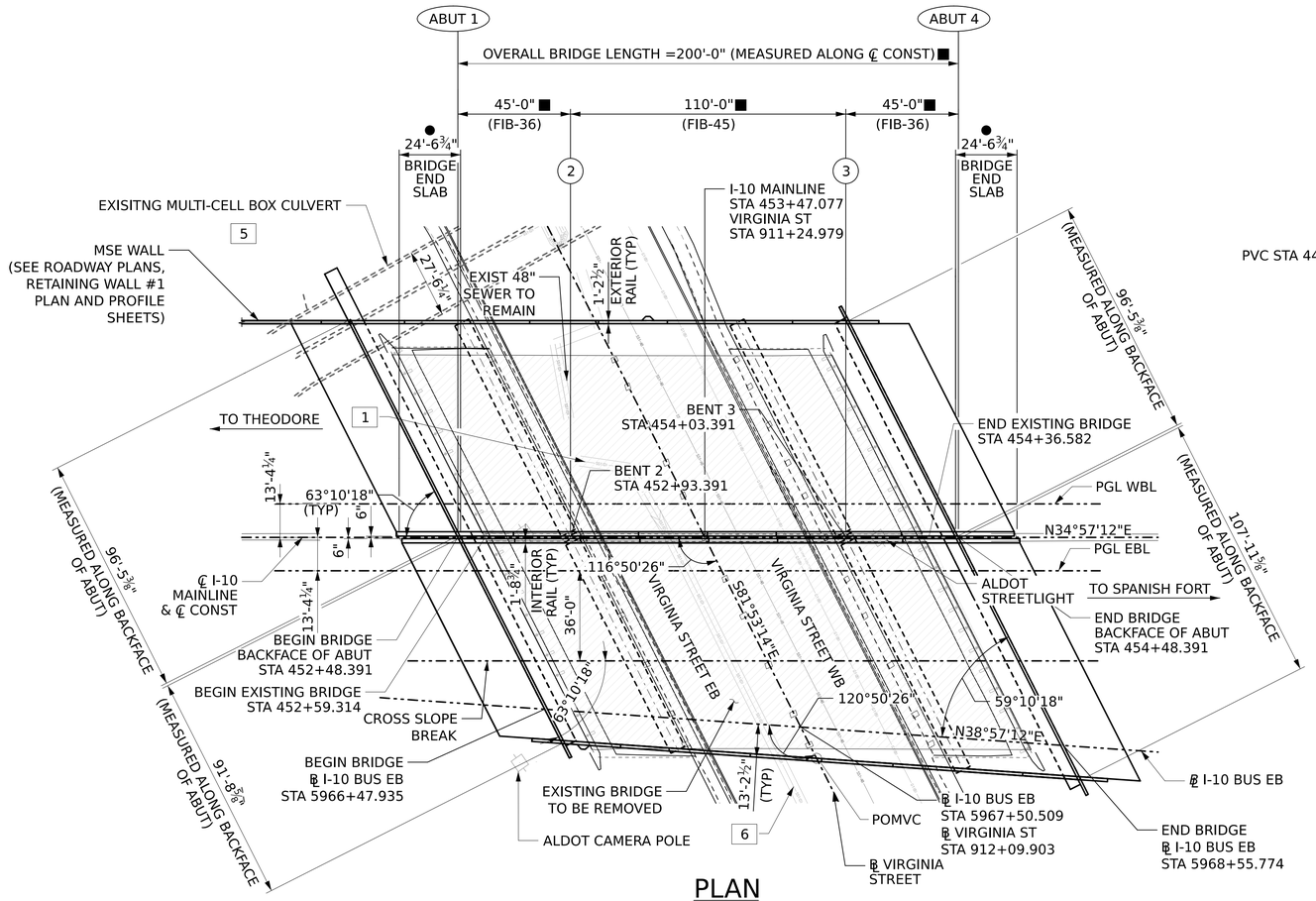
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05003

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

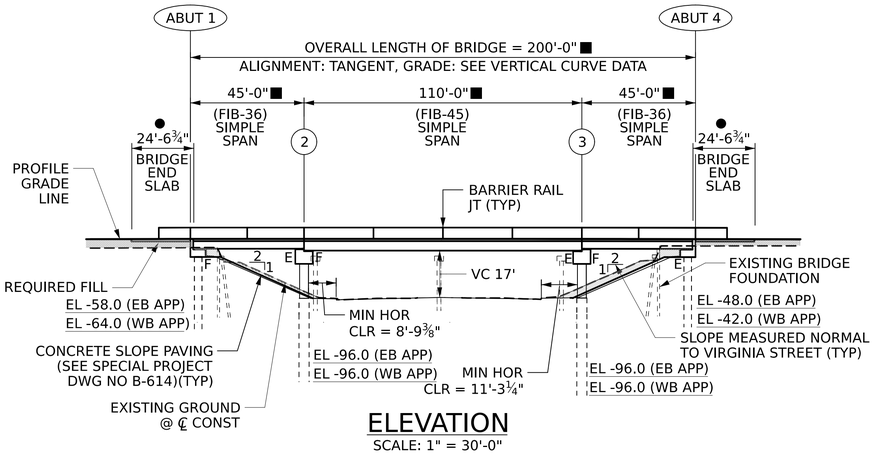
2" 1" SHEET REFERENCE 0

LEGEND

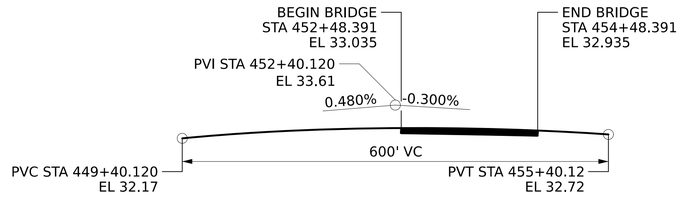
- EXISTING COLUMN
- PROPOSED COLUMN OR DRILLED SHAFT
- GM — GAS MAIN
- WM — WATER MAIN
- ELECTRIC POLE HV
- S — SEWER LINE
- BFO — BURIED FIBER OPTIC
- NO — UTILITY ITEM NUMBER
- EXISTING BRIDGE (TO BE REPLACED)
- REQUIRED FILL
- REQUIRED EXCAVATION



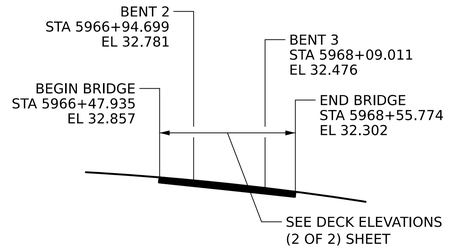
PLAN
SCALE: 1" = 30'-0"



ELEVATION
SCALE: 1" = 30'-0"



VERTICAL CURVE DATA
℄ OF CONSTRUCTION & I-10 MAINLINE
NTS



GRAPHIC GRADE DATA
℄ I-10 BUSINESS EASTBOUND
NTS

NOTES:

1. FOR EXTERIOR BARRIER RAIL DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1. FOR INTERIOR BARRIER RAIL DETAILS, SEE 54" SINGLE SLOPE BARRIER DETAILS SHEET.
- 2. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING NO BES-450(IJ)BP. THE BRIDGE PLANS INCLUDE ADDITIONAL INTERIOR RAIL DETAILS THAT ARE INTENDED TO SUPERSEDE SPECIAL PROJECT DRAWING NO. BES-450(IJ)BP. INTERIOR BARRIER RAILS SHALL BE 54" AND EXTENDED FULL LENGTH AND MATCH ROADWAY PROFILE.
3. DECK DRAINS NOT SHOWN FOR CLARITY (SEE SPAN PLAN SHEETS FOR DECK DRAIN LAYOUT). OMIT DRAINS OVER TRAFFIC LANES, SIDEWALKS, UNPROTECTED SLOPE FILLS, WITHIN 10 FEET OF BRIDGE END.
4. EXISTING SUBSTRUCTURE ELEMENTS SHALL BE REMOVED 2 FT. BELOW EXISTING GROUND
5. ALL DECK EXPANSION JOINTS ARE OPEN JOINTS.
- 6. DIMENSIONS SHOWN ARE MEASURED ALONG ℄ I-10.
7. THE BIN OF THE EXISTING BRIDGE TO BE REMOVED IS 14756.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
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PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 3 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
GENERAL PLAN AND ELEVATION

MRB-S01-BR-05003.dgn
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9:13:18 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05004

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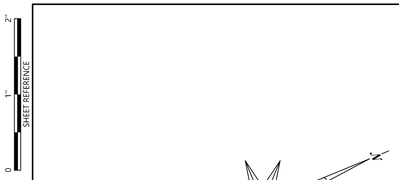

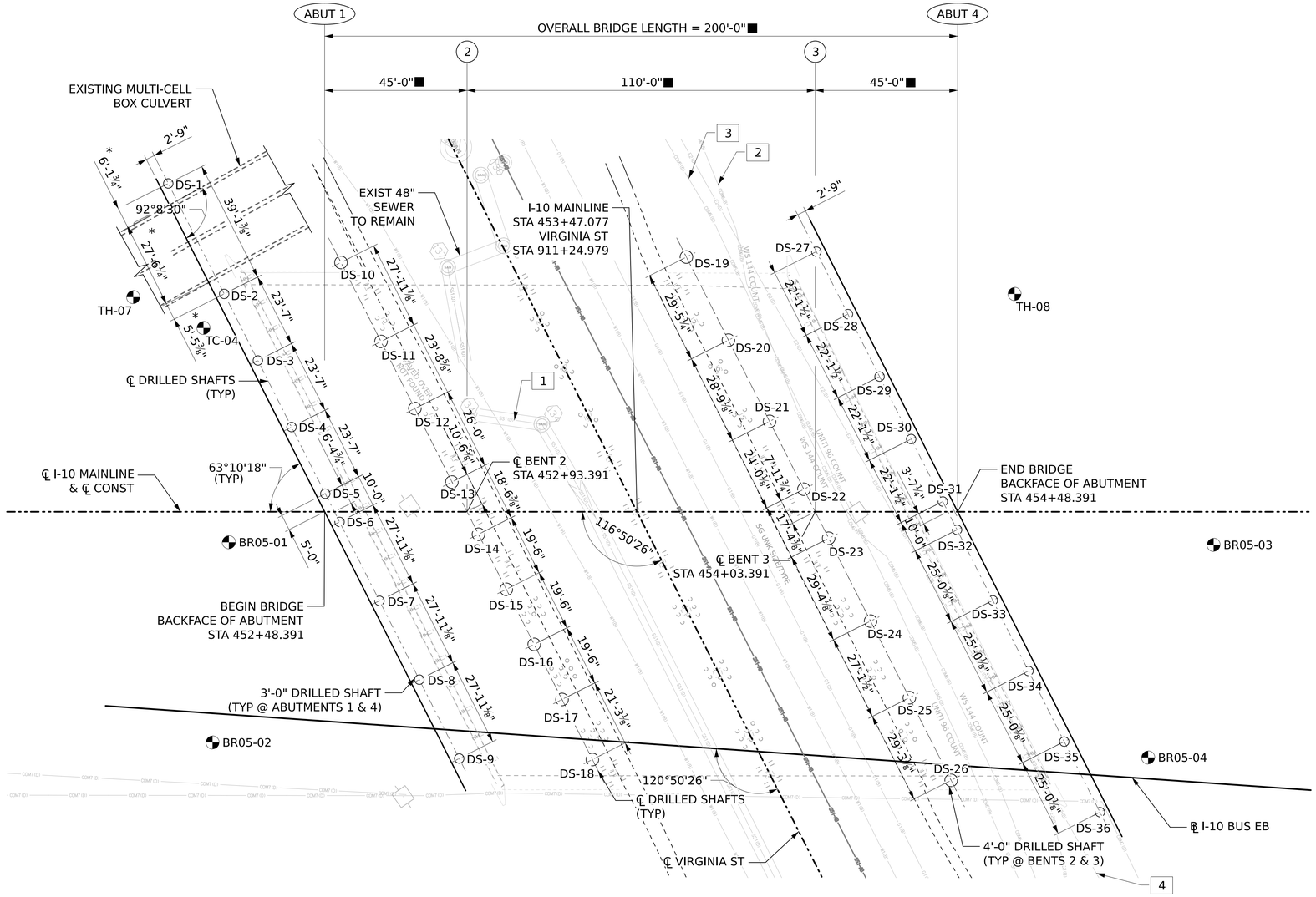

LEGEND

- EXISTING H-PILES
- EXISTING COLUMNS
- PROPOSED DRILLED SHAFT
- SOIL BORING

NOTES:

1. FOR DRILLED SHAFT DATA, SEE DRILLED SHAFT DATA TABLE SHEET.
2. ■ DIMENSIONS SHOWN ARE MEASURED ALONG ℄ I-10.
3. ∗ EXISTING MULTI-CELL BOX CULVERT TO BE FIELD VERIFIED BEFORE BEGINNING DRILLED SHAFT CONSTRUCTION.

FOUNDATION LAYOUT

SCALE: 1" = 20'-0"

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

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PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 4 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FOUNDATION LAYOUT

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6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05005

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

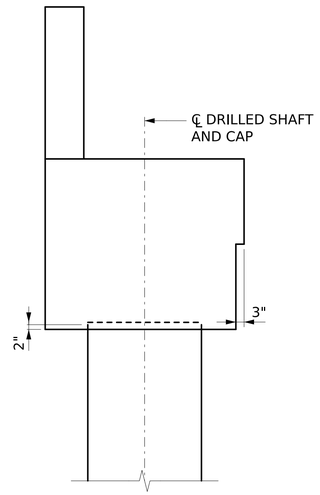
0 1" SHEET REFERENCE 2"

What will be the process to issue final drilled shaft tip elevations? Will the load tests be done before plans are issued RFC, or will plan revisions be made after RFC? The evaluation of the load test data and application to the different shaft diameters is not insignificant. The GDR will also need to reflect results of the load test since the GDR is the basis for the plans.

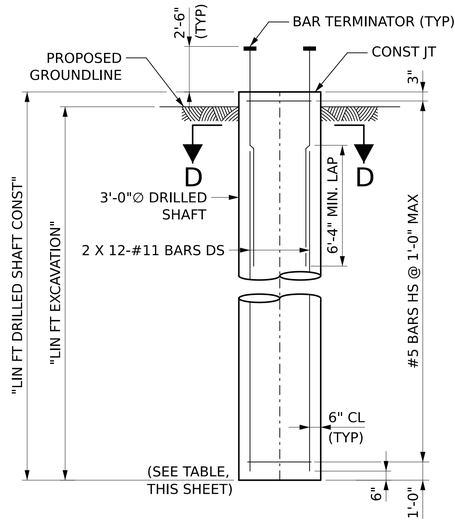
DRILLED SHAFT DATA TABLE

ABUT OR BENT NO	DRILLED SHAFT NO	DRILLED SHAFT DIAMETER (IN)	FACTORED SHAFT DESIGN LOAD (TONS)	EL TOP OF DRILLED SHAFT (FT) ■	ESTIMATED DRILLED SHAFT TIP EL (FT)	LIN FT EXCAV (FT)	LIN FT DRILLED SHAFT CONST (FT)	Ø COMPRESSION
ABUT 1 - WB	DS-1	36	377	22.195	-64	84.500	86.195	0.7
	DS-2	36		23.095	-64	94.000	87.095	
	DS-3	36		23.637	-64	94.000	87.637	
	DS-4	36		25.568	-64	94.000	89.568	
	DS-5	36		25.026	-64	94.000	89.026	
ABUT 1 - EB	DS-6	36	340	25.026	-58	88.000	83.026	
	DS-7	36		25.669	-58	88.200	83.669	
	DS-8	36		25.437	-58	88.300	83.437	
	DS-9	36		24.795	-58	88.000	82.795	
BENT 2 - WB	DS-10	48	672	9.580	-96	109.100	105.580	0.7
	DS-11	48		9.580	-96	108.500	105.580	
	DS-12	48		9.580	-96	108.300	105.580	
	DS-13	48		9.580	-96	108.200	105.580	
BENT 2 - EB	DS-14	48	541	9.580	-96	108.300	105.580	
	DS-15	48		9.580	-96	108.400	105.580	
	DS-16	48		9.580	-96	108.400	105.580	
	DS-17	48		9.580	-96	108.400	105.580	
	DS-18	48		9.580	-96	108.400	105.580	
BENT 3 - WB	DS-19	48	746	9.580	-96	109.800	105.580	
	DS-20	48		9.580	-96	110.000	105.580	
	DS-21	48		9.580	-96	110.000	105.580	
	DS-22	48		9.580	-96	110.000	105.580	
BENT 3 - EB	DS-23	48	731	9.580	-96	110.000	105.580	
	DS-24	48		9.580	-96	110.100	105.580	
	DS-25	48		9.580	-96	110.100	105.580	
	DS-26	48		9.580	-96	110.100	105.580	
ABUT 4 - WB	DS-27	36	273	24.577	-42	70.200	66.577	0.7
	DS-28	36		25.086	-42	72.600	67.086	
	DS-29	36		25.595	-42	72.800	67.595	
	DS-30	36		25.426	-42	72.400	67.426	
	DS-31	36		24.917	-42	72.300	66.917	
ABUT 4 - EB	DS-32	36	308	24.917	-48	78.300	72.917	
	DS-33	36		25.492	-48	78.700	73.492	
	DS-34	36		25.462	-48	78.700	73.462	
	DS-35	36		24.887	-48	78.600	72.887	
	DS-36	36		24.312	-48	76.300	72.312	

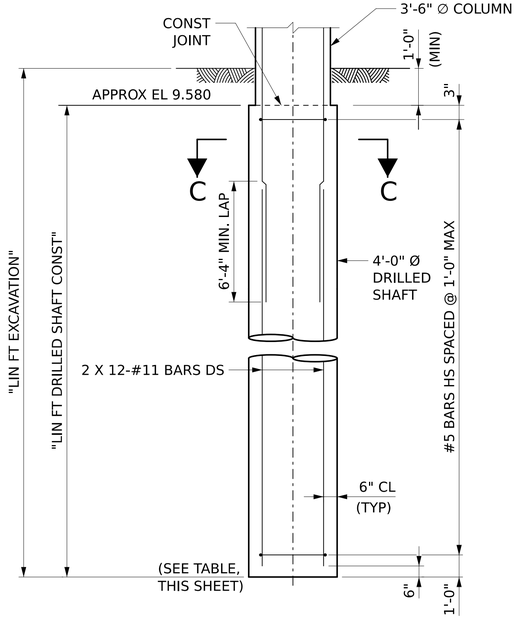
El -71ft to -91ft listed in West Segment GDR draft. Loads are the same as in GDR.



DETAIL 1
(ABUTMENT 1 SHOWN, ABUTMENT 4 SIMILAR)
NTS



ELEVATION OF DRILLED SHAFT
(AT ABUTMENTS 1 AND 4)
NTS



ELEVATION OF DRILLED SHAFT
(AT BENTS 2 AND 3)
NTS

DRILLED SHAFT NOTES:

1. DRILLED SHAFT CONSTRUCTION SHALL BE IN ACCORDANCE WITH TP ATTATCHMENT 10-2 AMENDED ALDOT STANDARD SPECIFICATION 506 FOR HIGHWAY CONSTRUCTION AND THE PROJECT TECHNICAL PROVISIONS.
2. DRILLED SHAFTS WILL BE CONSTRUCTED USING TEMPORARY CASING FULL DEPTH. TEMPORARY CASING SHALL BE INSTALLED UTILIZING SPIN-IN METHOD. NO VIBRATION OF TEMPORARY CASING WILL BE ALLOWED DURING THE INSTALLATION PROCESS.
3. BOTTOM OF SHAFT ELEVATIONS SHALL NOT BE ALTERED WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE STABILITY OF THE TEMPORARY CASING DURING CONSTRUCTION OF THE DRILLED SHAFT.
- 5. TOP OF SHAFT ELEVATIONS ARE APPROXIMATE ONLY AND MAY REQUIRE ADJUSTMENT DEPENDING ON THE ACTUAL GROUNDLINE (WATERLINE) ELEVATION AT THE LOCATION OF EACH SHAFT.
6. FOR DRILLED SHAFT TEST LOCATIONS, SEE GEOTECHNICAL REPORT.
7. FOR 3'-0" DRILLED SHAFT SECTION D-D, SEE ABUTMENT DETAILS SHEET.
8. FOR 4'-0" DRILLED SHAFT SECTION C-C, SEE BENT DETAILS SHEET.

Should the Geotechnical Design Report be referenced in the notes?

TP Table 10.4 lists the Final Geotechnical Design Report to be submitted "No later than the associated Final Design Submittal" associated with the GDR. This submittal is not complete until the Final GDR has been submitted.

Should a note be added to be clear that Production Shafts cannot be started until completion of the Drilled Shaft Load Test Report as listed in TP Table 10-4?

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 5 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
DRILLED SHAFT TABLE

MRB-S01-BR-05005.dgn
cade.arras
9:13:54 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05006

PRELIMINARY
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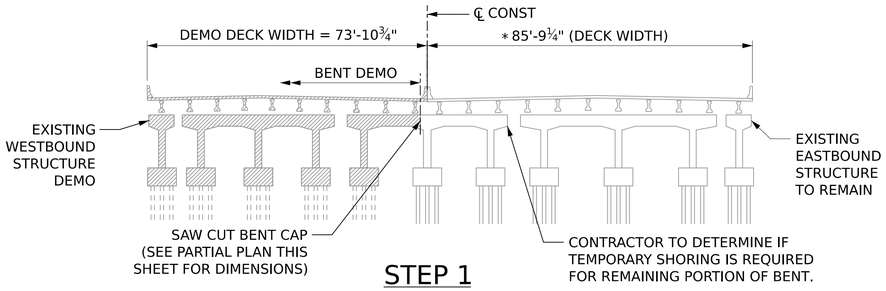
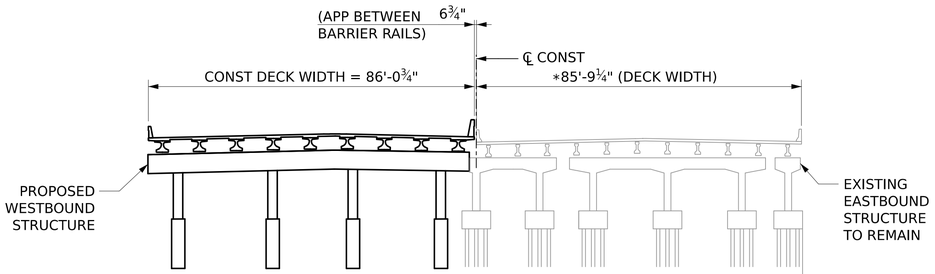
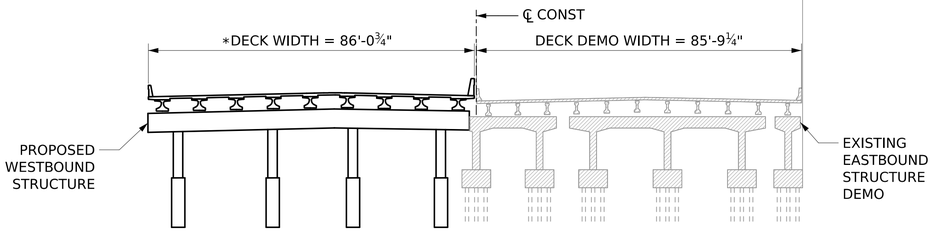


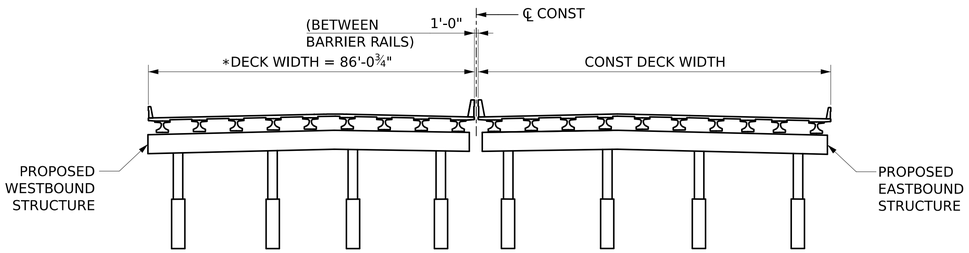
STEP 1



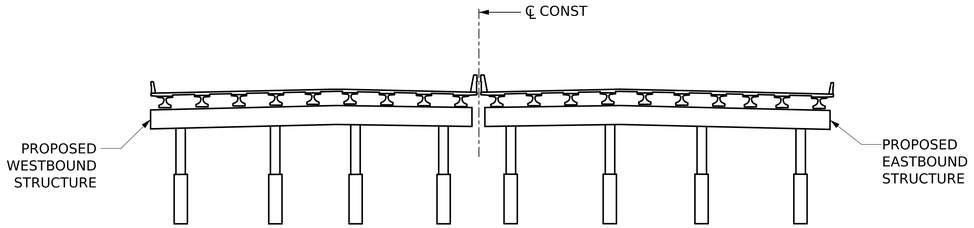
STEP 2



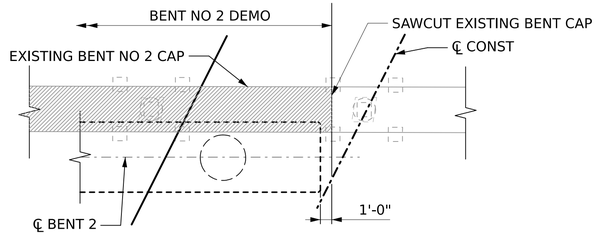
STEP 3



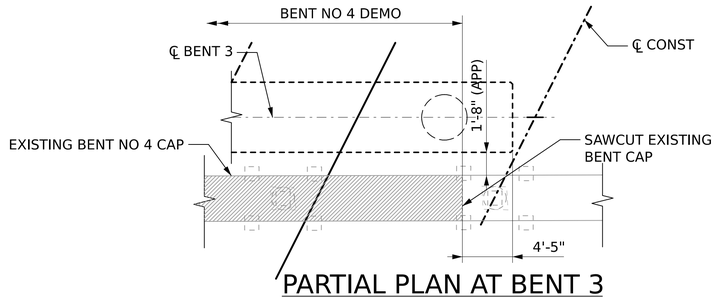
STEP 4



FINAL



PARTIAL PLAN AT BENT 2



PARTIAL PLAN AT BENT 3

LEGEND:

REQUIRED DEMO

NOTES:

1. DEMOLITION PLANS OF EXISTING WB AND EB BRIDGES ARE RESPONSIBILITY OF THE CONTRACTOR.
∗ 2. SEE MOT FOR LANE WIDTHS AND TEMPORARY BARRIER RAIL LOCATIONS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

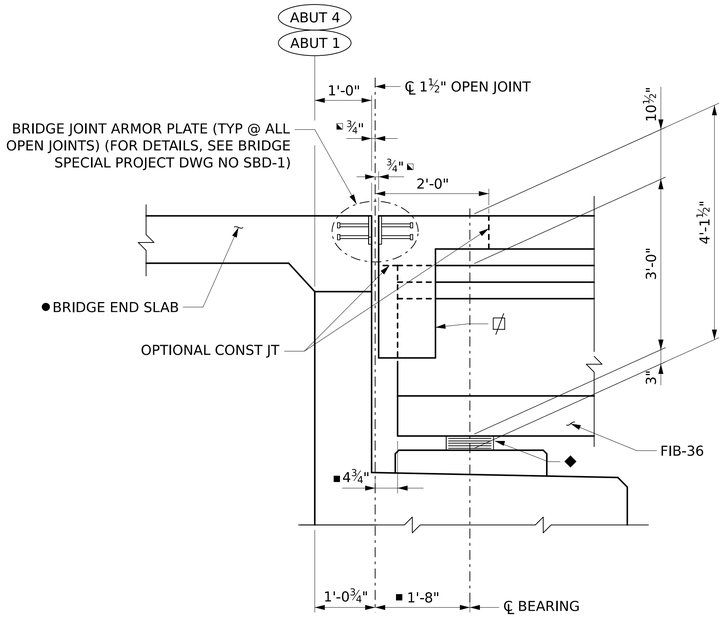
DESIGNER: SJR DATE:

BRIDGE SHEET NO. 6 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SEQUENCE OF CONSTRUCTION

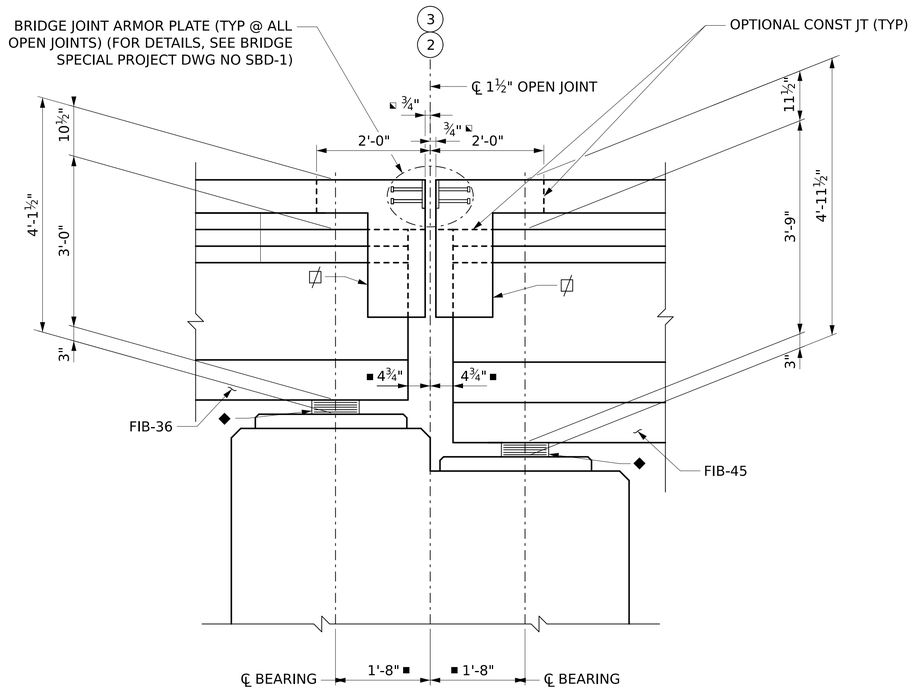
MRB-S01-BR-05006.dgn
cade.arras
9:14:13 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05007



JOINT DETAILS AT ABUTMENTS

ABUTMENT 1 SHOWN
ABUTMENT 4 OPPOSITE HAND
SCALE: ¾" = 1'-0"



JOINT DETAILS AT BENTS

BENT 2 SHOWN
BENT 3 OPPOSITE HAND
SCALE: ¾" = 1'-0"

NOTES:

1. JOINT OPENING IS AT 70° F.
2. NORMAL TO ℄ JOINT AND ℄ ABUTMENT/BENT.
3. EDGE BEAM DETAILS, SEE FIB-36 EDGE BEAM DETAIL SHEETS AND FIB-45 EDGE BEAM DETAIL SHEETS.
4. ELASTOMERIC BEARING TYPE 2 MARK B6 SEE BEARING DETAILS SHEET.
5. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DWG BES-450(IJ)BP.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 7 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
JOINT LAYOUT

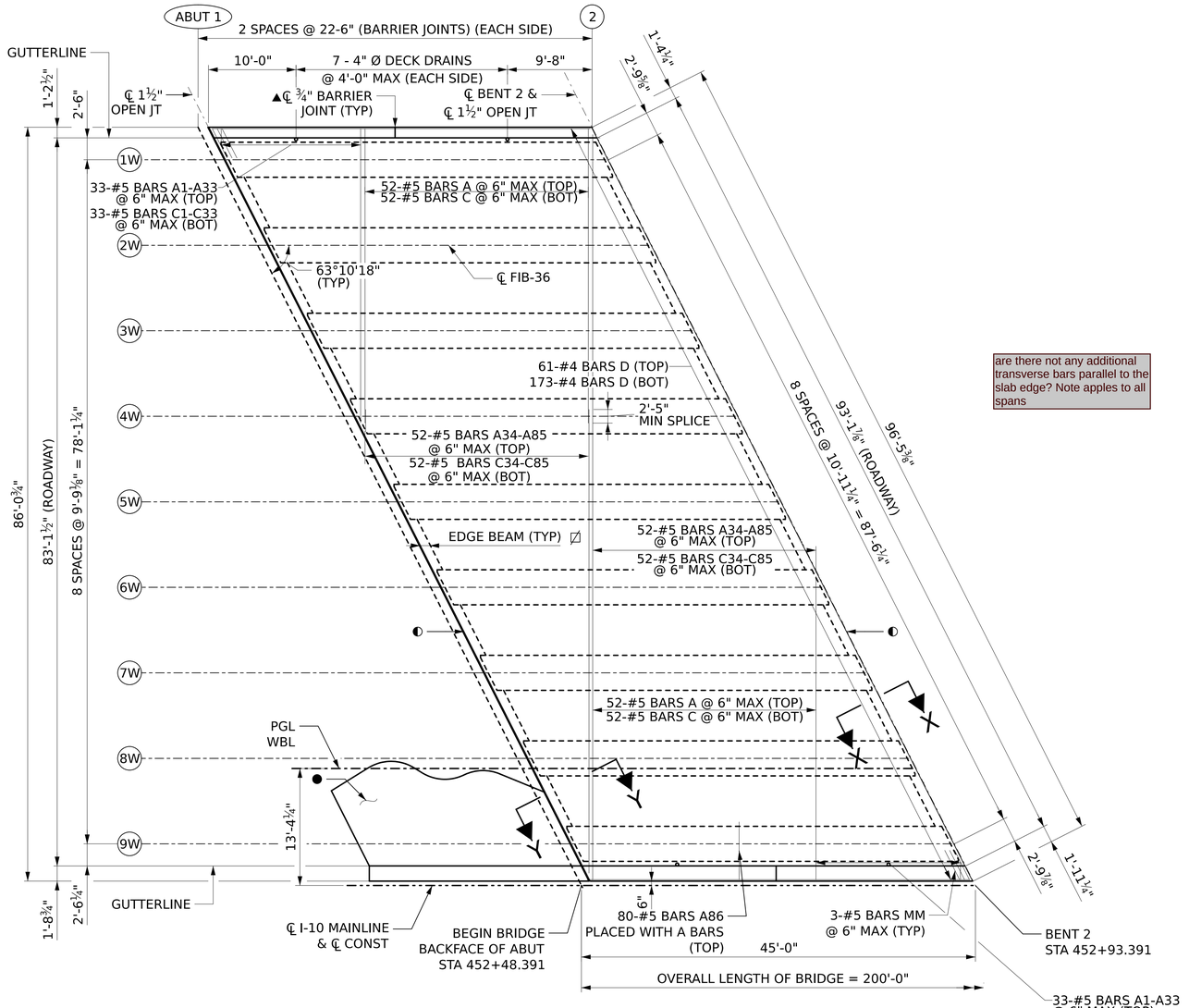
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-05007.dgn
cade.arras
9:14:37 AM
6/26/2025

SHEET REFERENCE 0 1" 2"

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05008

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



WB SPAN 1 PLAN

SCALE: ⅛" = 1'-0"

are there not any additional transverse bars parallel to the slab edge? Note apples to all spans

NOTES:

1. FOR JOINT LAYOUT, SEE JOINT LAYOUT SHEET.
2. ALL JOINT OPENING DIMENSIONS ARE SHOWN @ 70°F.
▲ 3. FOR BARRIER RAIL REINFORCEMENT AND DETAILS (1'-2½ "WIDTH) AND JOINT OPENINGS, SEE SPECIAL PROJECT DWG NO BBR-1.
4. FOR BARRIER RAIL REINFORCEMENT AND DETAILS (1'-8¾" WIDTH), AND JOINT OPENINGS, SEE 54" BARRIER DETAILS SHEET.
5. FOR DECK ELEVATIONS, SEE DECK ELEVATIONS SHEET.
◐ 6. FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR TYPICAL SECTIONS, SEE TYPICAL SECTION SHEETS.
⍁ 8. FOR SECTIONS X-X & Y-Y, SEE EDGE BEAM DETAIL SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
● 10. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO BES-450 (IJ) BP.
11. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
12. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

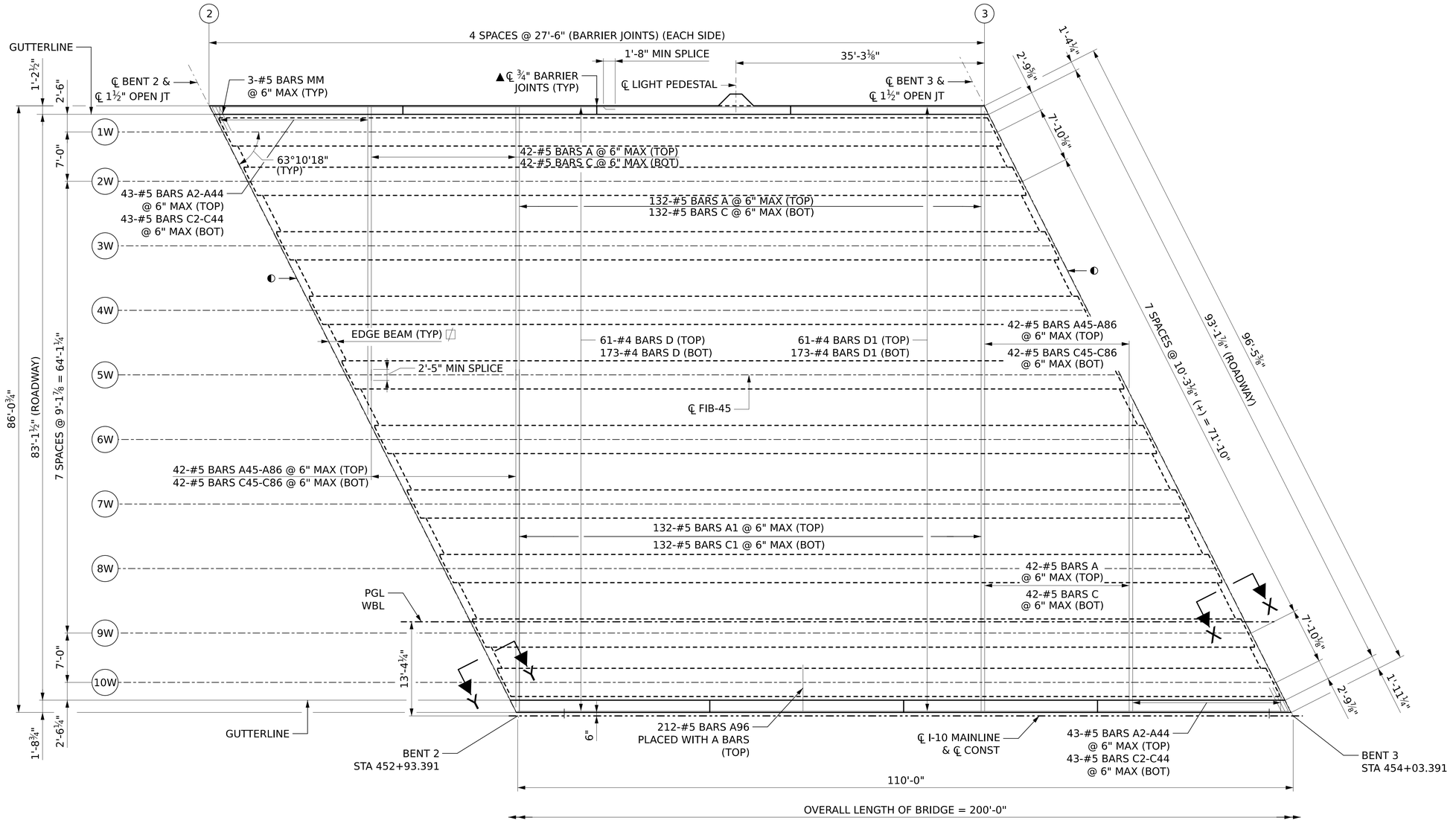
DESIGNER: SJR DATE:
BRIDGE SHEET NO. 8 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 1 PLAN WB

MRB-S01-BR-05008.dgn
cade.arras
9:14:55 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05009

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



WB SPAN 2 - PLAN

SCALE: ⅛" = 1'-0"

NOTES:

1. FOR BRIDGE SPAN NOTES, SEE WESTBOUND SPAN 1 DETAILS SHEET.
2. FOR LIGHT PEDESTAL DETAILS SEE LIGHT PEDESTAL DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

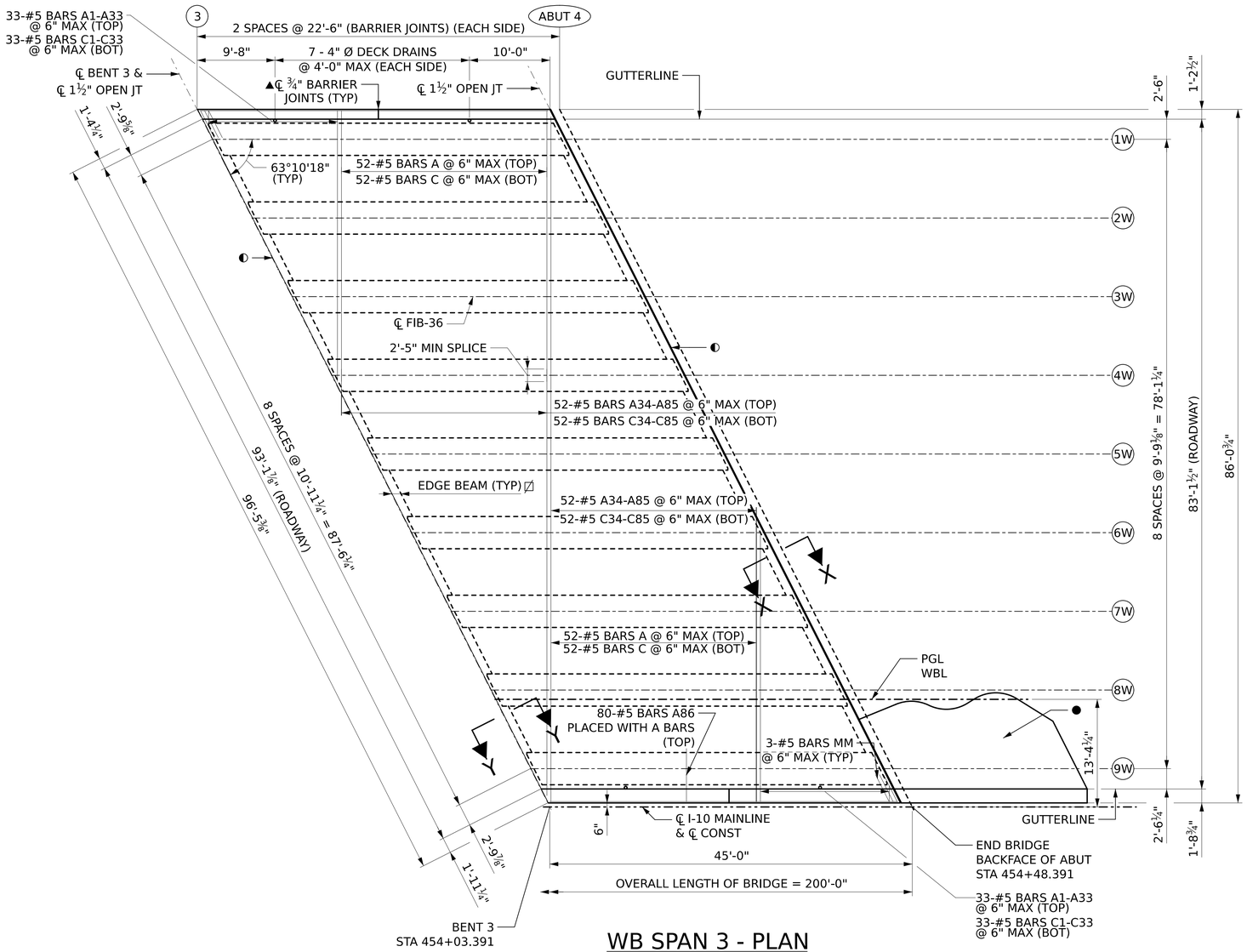
BRIDGE SHEET NO. 9 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 2 PLAN WB

MRB-S01-BR-05009.dgn
cade.arras
9:15:14 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05010

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



WB SPAN 3 - PLAN

SCALE: ⅜" = 1'-0"

NOTES:

1. FOR BRIDGE SPAN NOTES, SEE WESTBOUND SPAN 1 DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 10 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 3 PLAN WB

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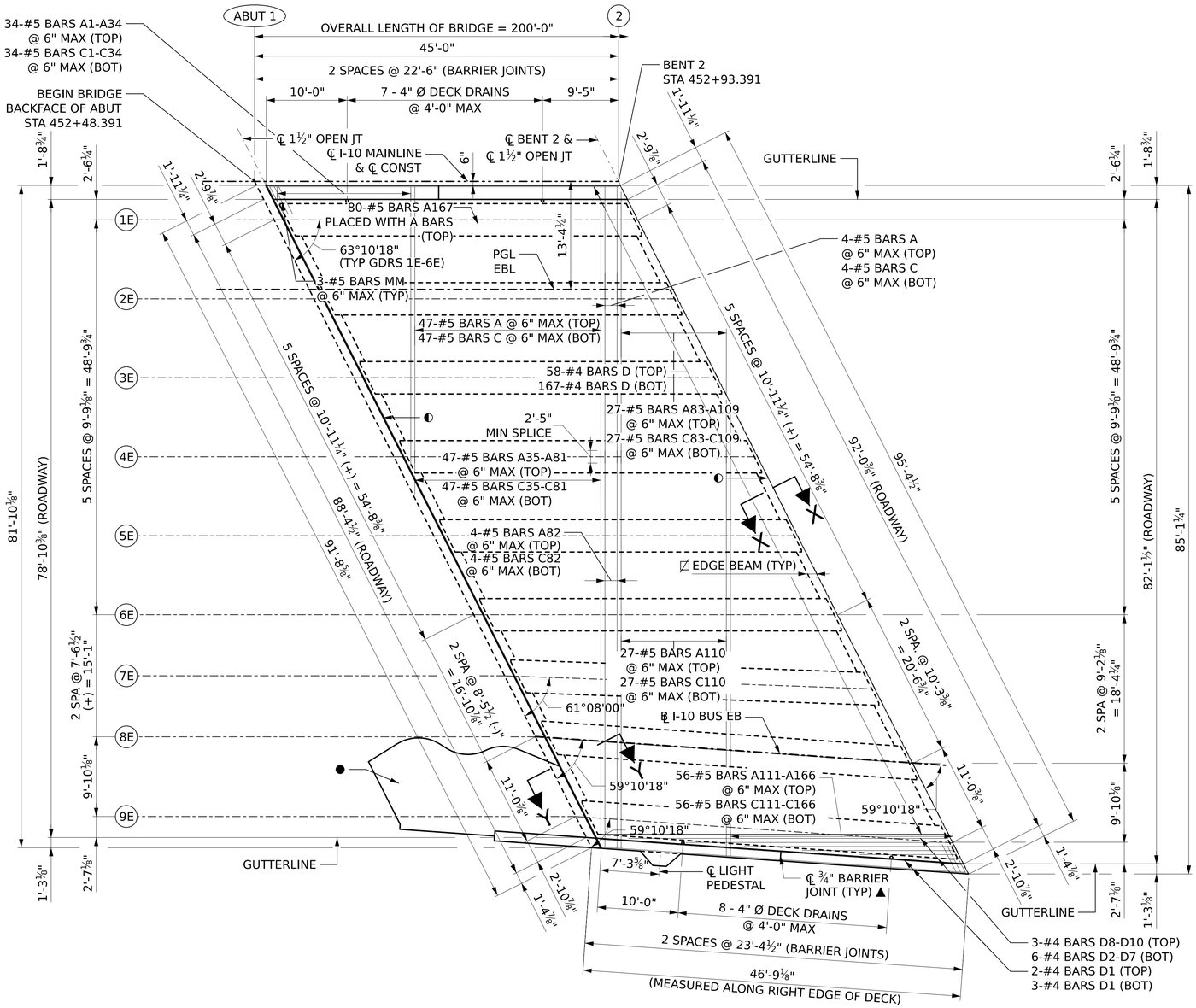
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05011

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



EB SPAN 1 - PLAN

SCALE: ⅛" = 1'-0"

NOTES:

1. FOR BRIDGE SPAN NOTES, SEE WESTBOUND SPAN 1 DETAILS SHEET.
2. FOR LIGHT PEDESTAL DETAILS SEE LIGHT PEDESTAL DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 11 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 1 PLAN EB

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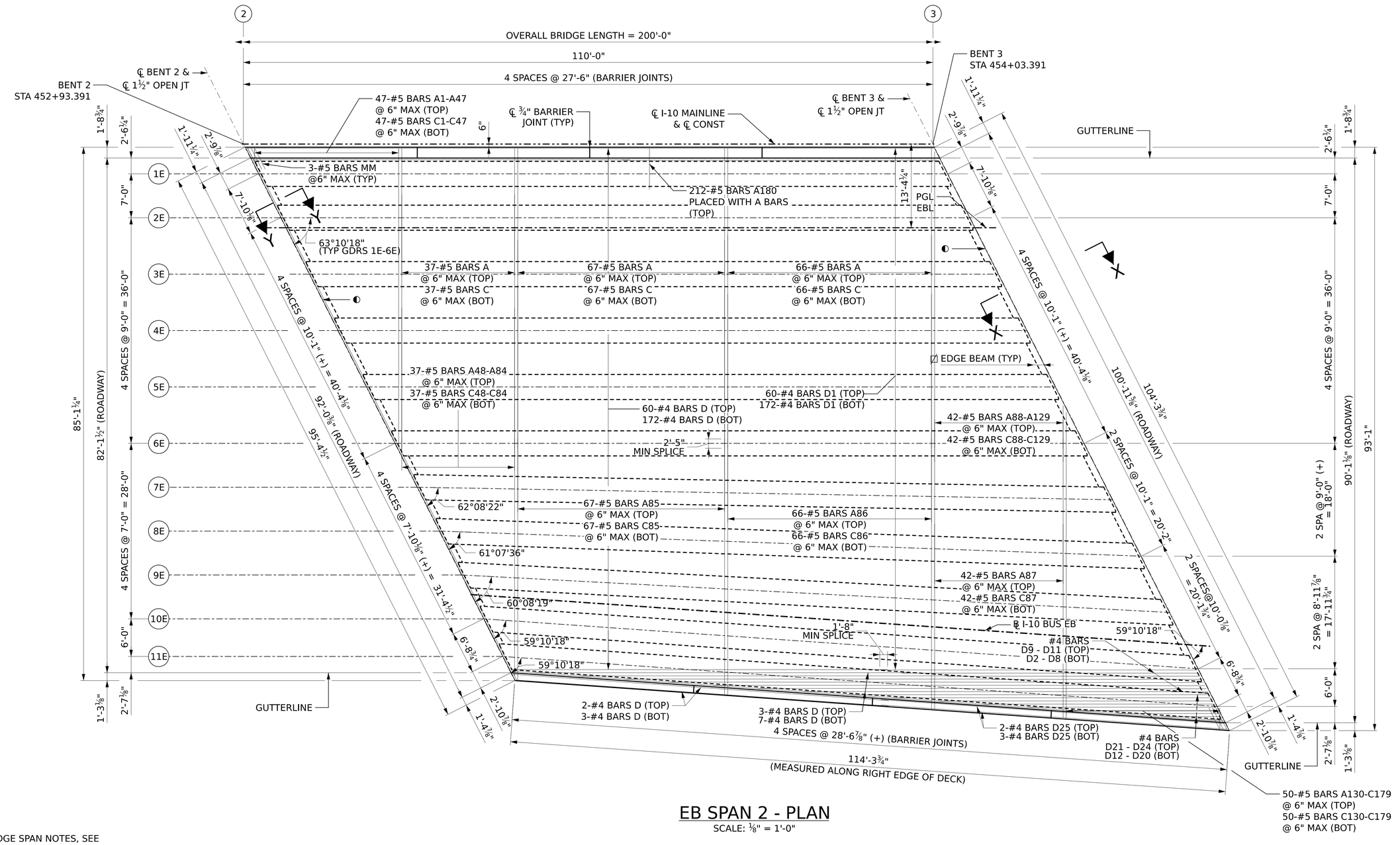
cade.arras
9:15:51 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05012

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



EB SPAN 2 - PLAN

SCALE: ⅛" = 1'-0"

NOTES:

1. FOR BRIDGE SPAN NOTES, SEE WESTBOUND SPAN 1 DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 12 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 2 PLAN EB

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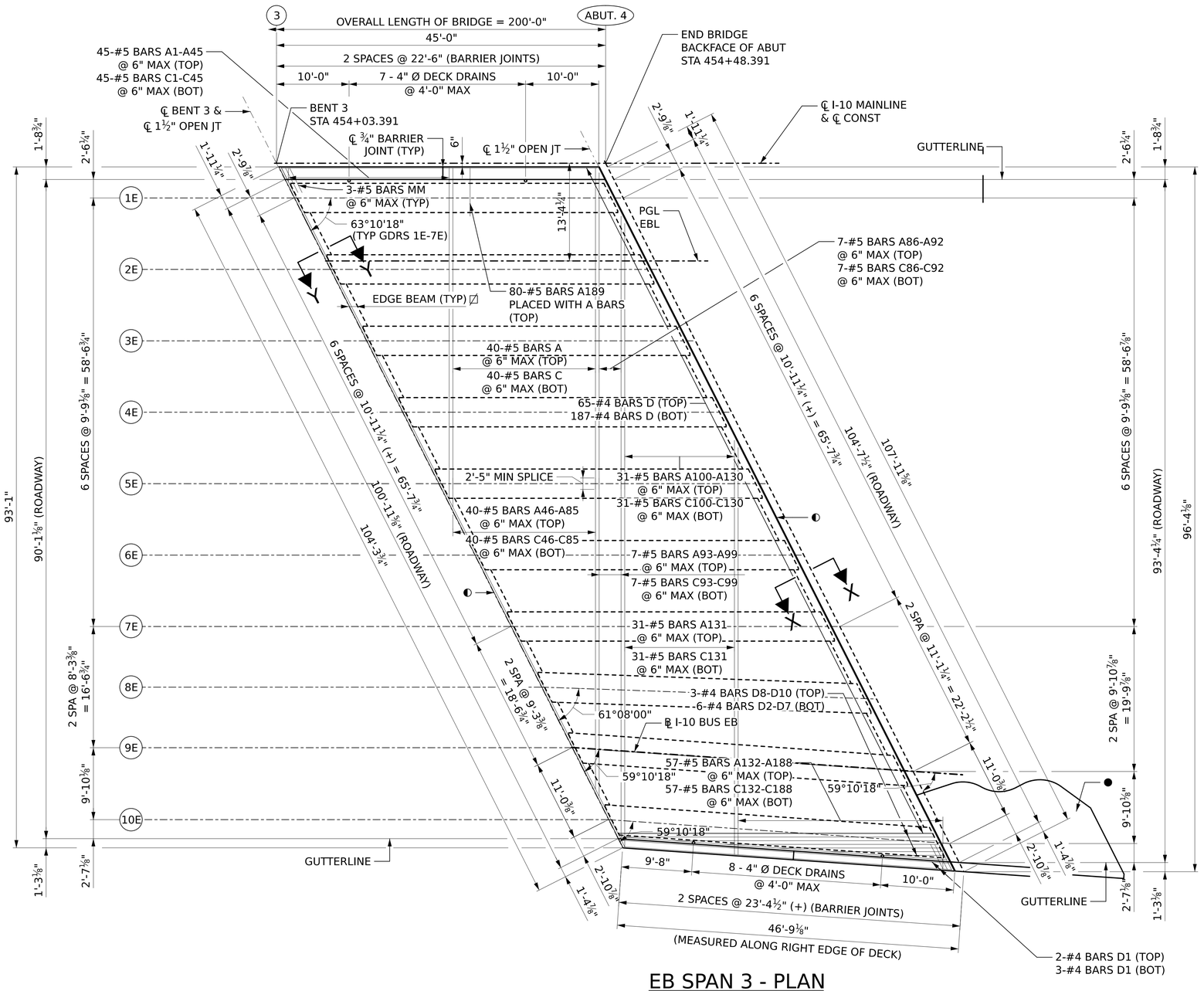
9:16:10 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05013

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



EB SPAN 3 - PLAN

SCALE: ⅛" = 1'-0"

NOTES:

1. FOR BRIDGE SPAN NOTES, SEE WESTBOUND SPAN 1 DETAILS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 13 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 3 PLAN EB

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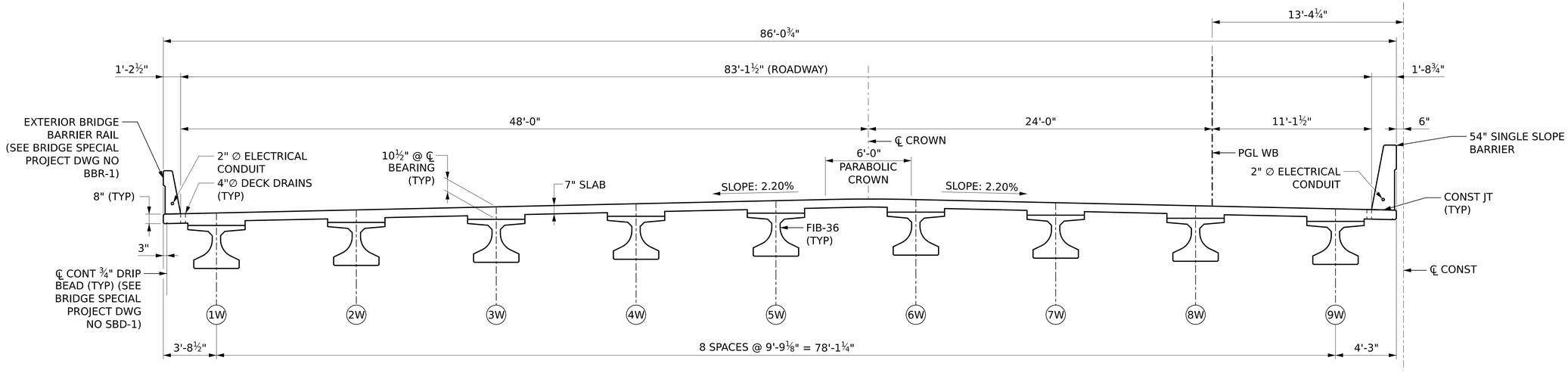
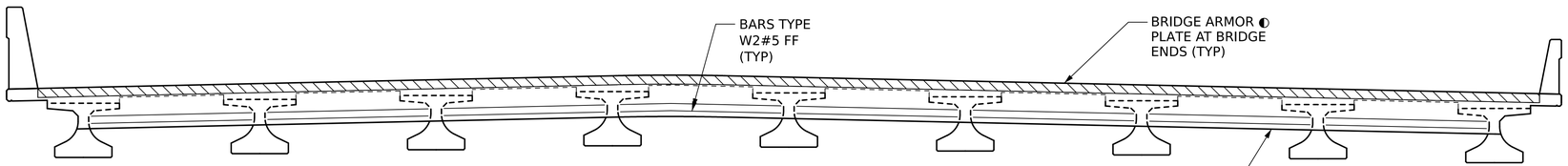
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05014



TYPICAL SECTION - WESTBOUND SPAN 1

SCALE: ¼" = 1'-0"

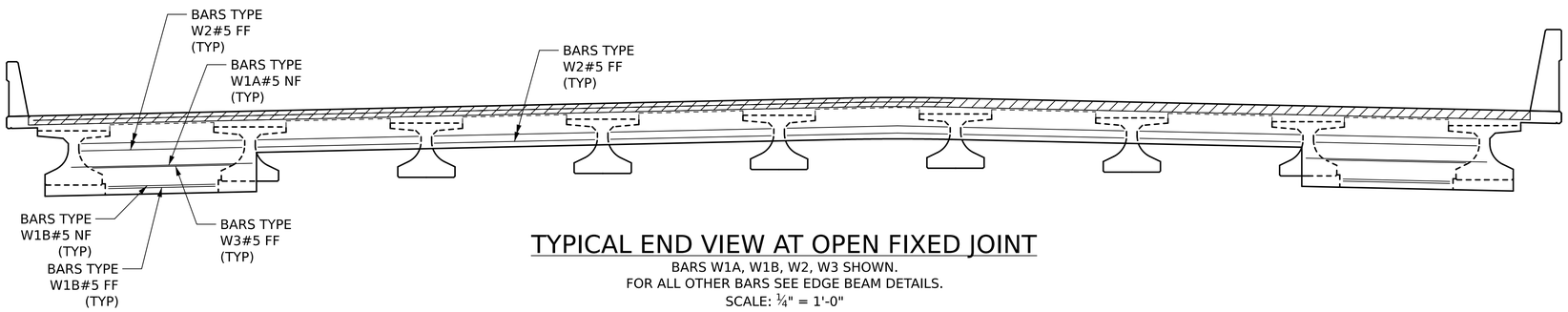


TYPICAL END VIEW AT OPEN EXPANSION JOINT

LOOKING BACK

BARS W2 SHOWN, FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"



TYPICAL END VIEW AT OPEN FIXED JOINT

BARS W1A, W1B, W2, W3 SHOWN.
FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"

NOTES:

1. FOR PARABOLIC CROWN DETAILS, SEE DECK ELEVATION SHEETS.
◐ 2. FOR BRIDGE ARMOR PLATE DETIALS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.
3. DIMENSIONS MEASURED PERPENDICULAR TO ℄ I-10 MAINLINE & ℄ CONST.
4. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAIL SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
⍁ 5. FOR EDGE BEAM DETAILS NOT SHOWN, SEE EDGE BEAM DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 14 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 1 TYPICAL SECTION WB

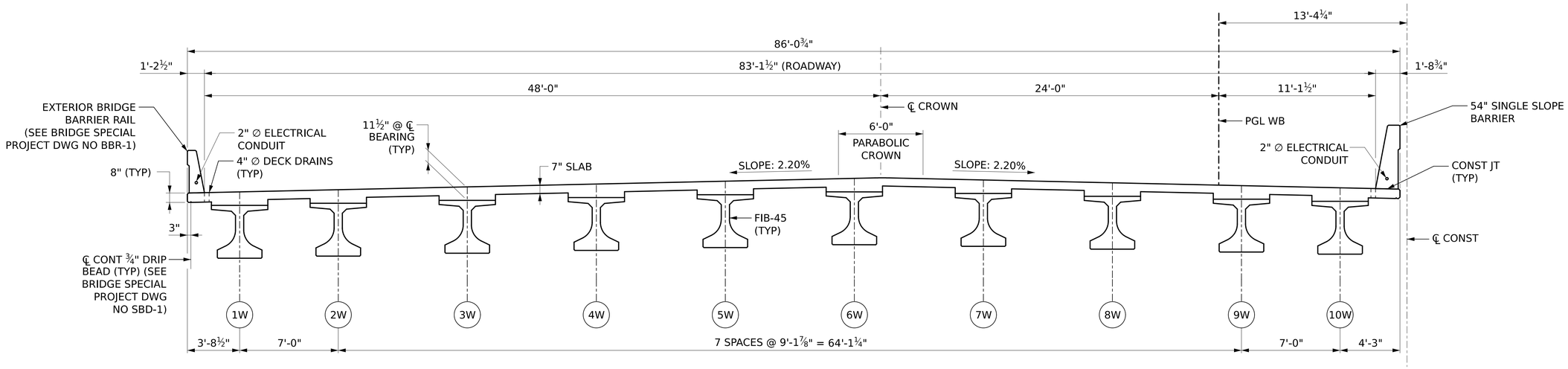
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-05014.dgn
cade.arras
9:16:49 AM
6/26/2025

SHEET REFERENCE 0 1" 2"

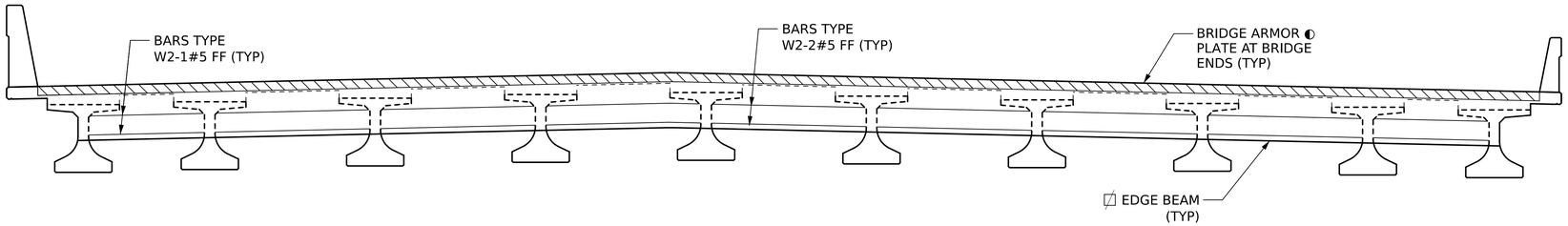
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05015

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



TYPICAL SECTION - WESTBOUND SPAN 2

SCALE: ¼" = 1'-0"

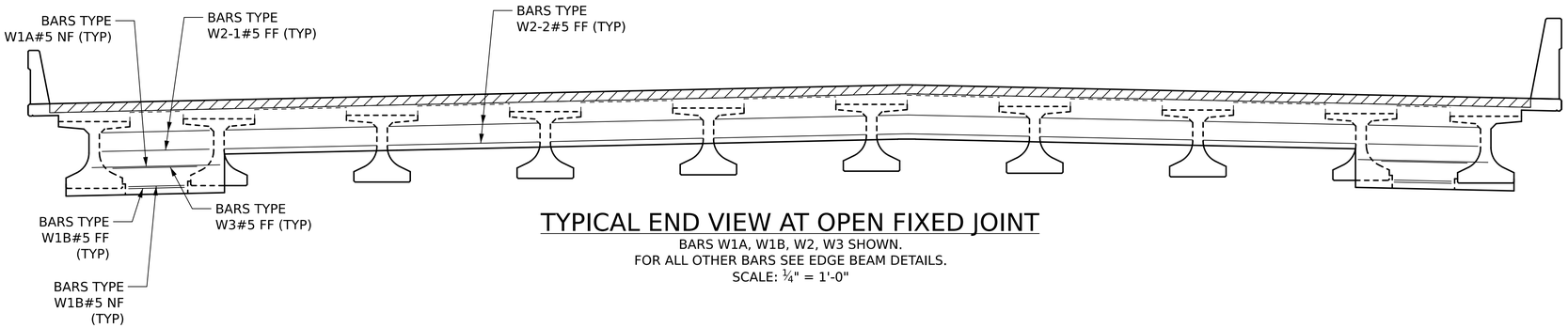


TYPICAL END VIEW AT OPEN EXPANSION JOINT

LOOKING BACK

BARS W2 SHOWN. FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"



TYPICAL END VIEW AT OPEN FIXED JOINT

BARS W1A, W1B, W2, W3 SHOWN.
FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.
SCALE: ¼" = 1'-0"

NOTES:

1. FOR PARABOLIC CROWN DETAILS, SEE DECK ELEVATION SHEETS.
◐ 2. FOR BRIDGE ARMOR PLATE DETIALS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.
3. DIMENSIONS MEASURED PERPENDICULAR TO ℄ I-10 MAINLINE & ℄ CONST.
4. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAIL SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
⍁ 5. FOR EDGE BEAM DETAILS NOT SHOWN, SEE EDGE BEAM DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

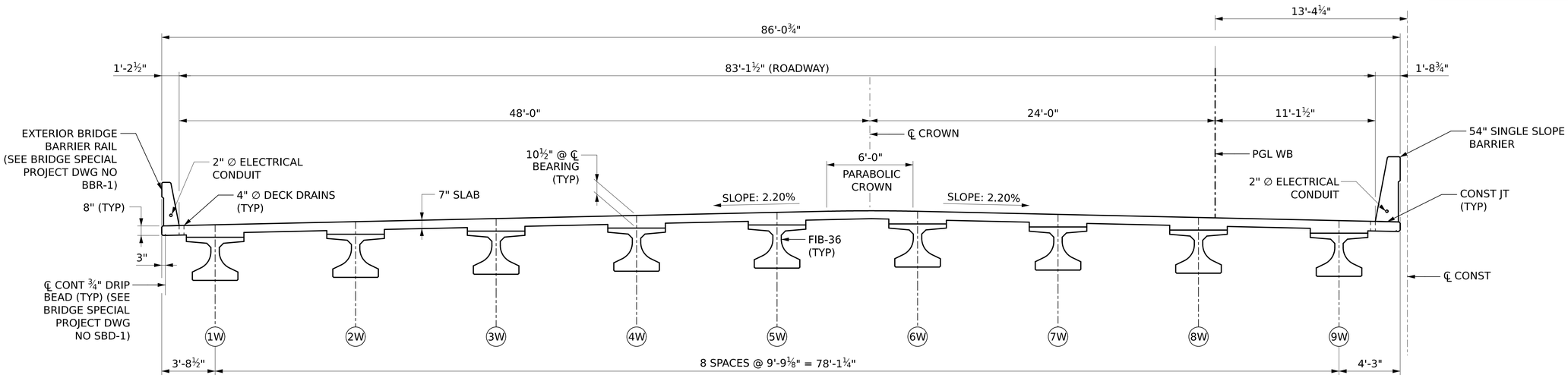
DESIGNER: SJR DATE:

BRIDGE SHEET NO. 15 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 2 TYPICAL SECTION WB

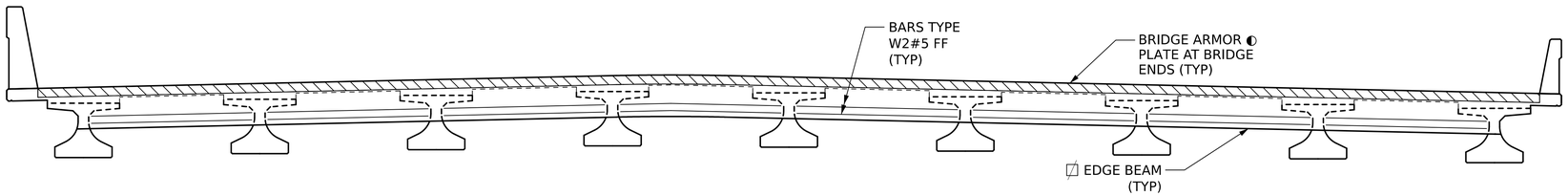
MRB-S01-BR-05015.dgn
cade.arras
9:17:10 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05016



TYPICAL SECTION - WESTBOUND SPAN 3

SCALE: ¼" = 1'-0"

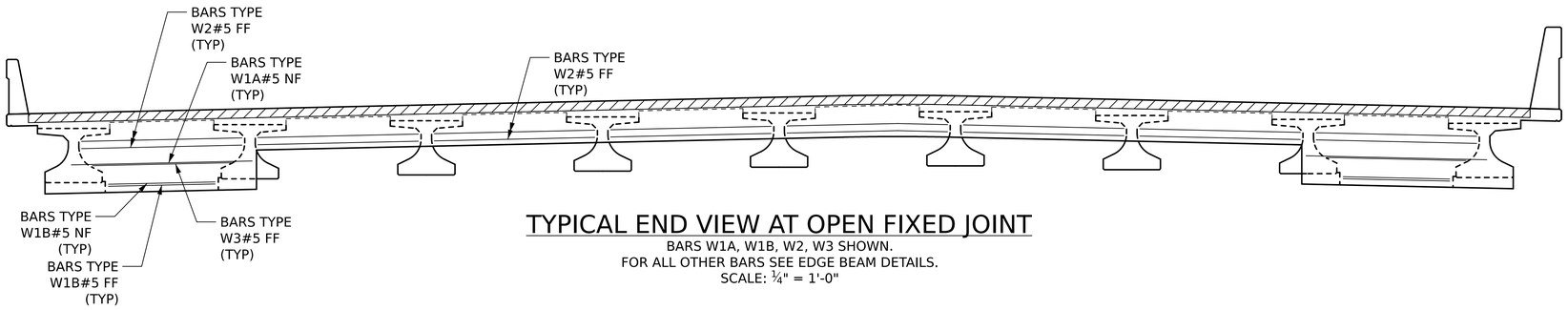


TYPICAL END VIEW AT OPEN EXPANSION JOINT

LOOKING BACK

BARS W2 SHOWN. FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"



TYPICAL END VIEW AT OPEN FIXED JOINT

BARS W1A, W1B, W2, W3 SHOWN.
FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.
SCALE: ¼" = 1'-0"

NOTES:

1. FOR PARABOLIC CROWN DETAILS, SEE DECK ELEVATION SHEETS.
◐ 2. FOR BRIDGE ARMOR PLATE DETIALS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.
3. DIMENSIONS MEASURED PERPENDICULAR TO ℄ I-10 MAINLINE & ℄ CONST.
4. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAIL SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
☑ 5. FOR EDGE BEAM DETAILS NOT SHOWN, SEE EDGE BEAM DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 16 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 3 TYPICAL SECTION WB

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-050016.dgn
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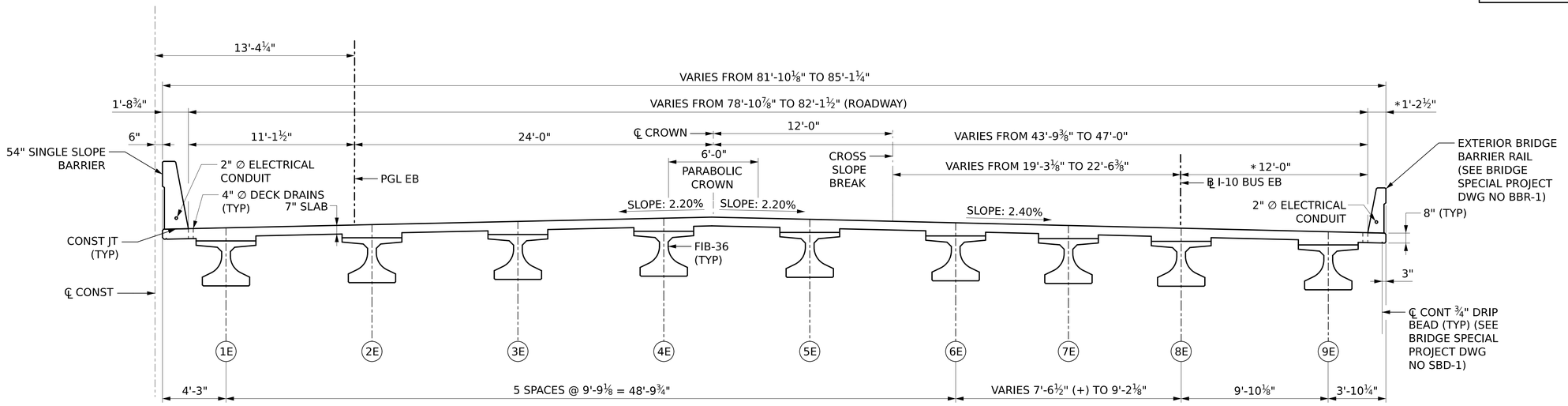
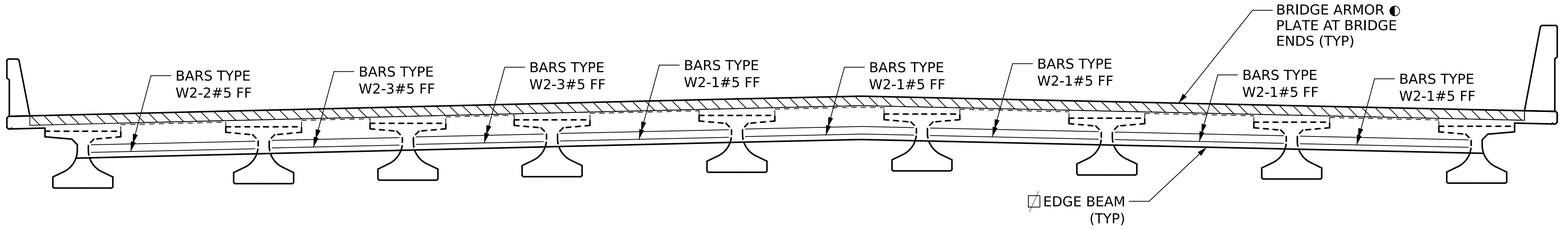
9:17:29 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05017



TYPICAL SECTION - EASTBOUND SPAN 1

SCALE: ¼" = 1'-0"

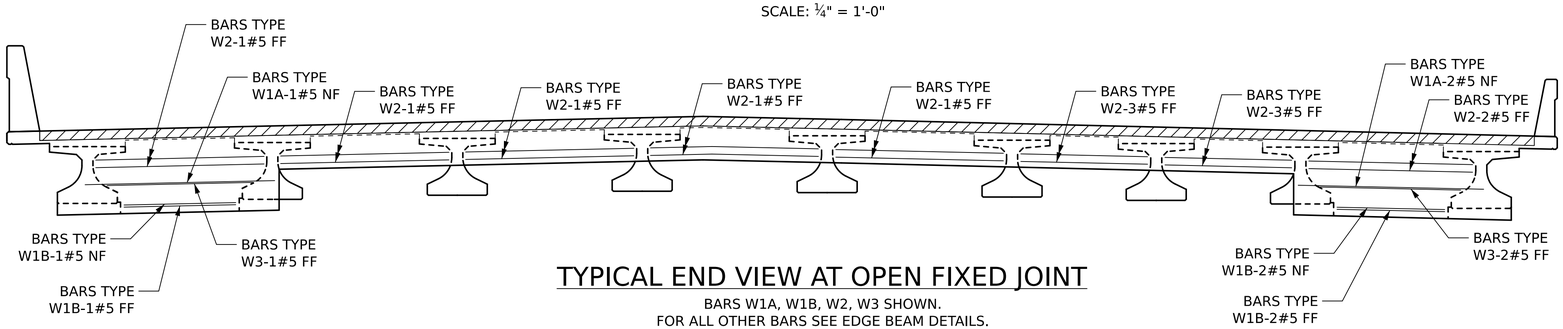


TYPICAL END VIEW AT OPEN EXPANSION JOINT

LOOKING BACK

BARS W2 SHOWN. FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"



TYPICAL END VIEW AT OPEN FIXED JOINT

BARS W1A, W1B, W2, W3 SHOWN.
FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"

NOTES:

1. FOR PARABOLIC CROWN DETAILS, SEE DECK ELEVATION SHEETS.
2. ◐ FOR BRIDGE ARMOR PLATE DETIALS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.
3. DIMENSIONS MEASURED PERPENDICULAR TO ℄ I-10 MAINLINE & ℄ CONST.
4. ∗ MEASURED PERPENDICULAR TO ℄ I-10 BUSINESS EASTBOUND.
5. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAIL SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
6. ⍁ FOR EDGE BEAM DETAILS NOT SHOWN, SEE EDGE BEAM DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 17 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 1 TYPICAL SECTION EB

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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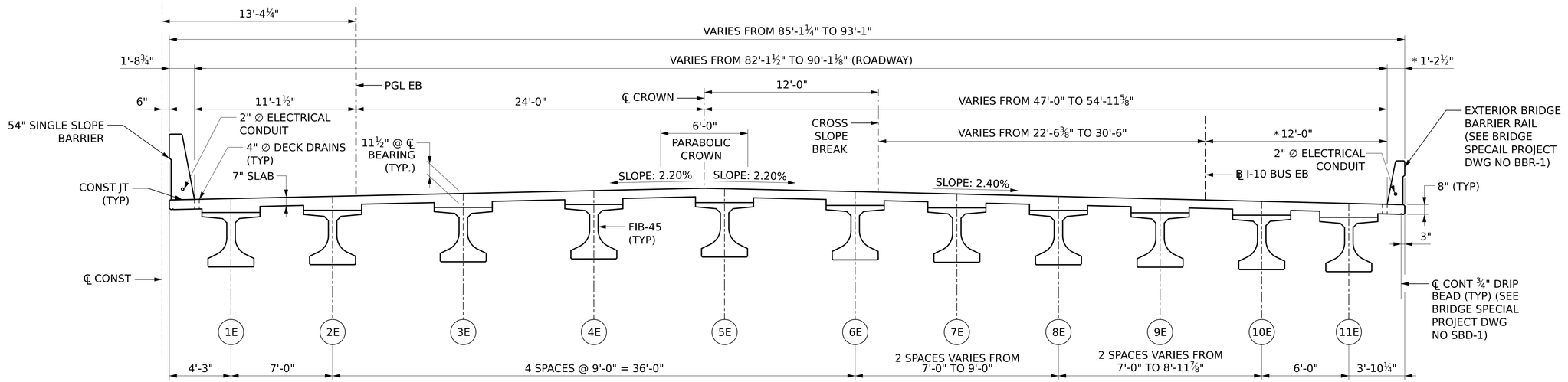
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05018

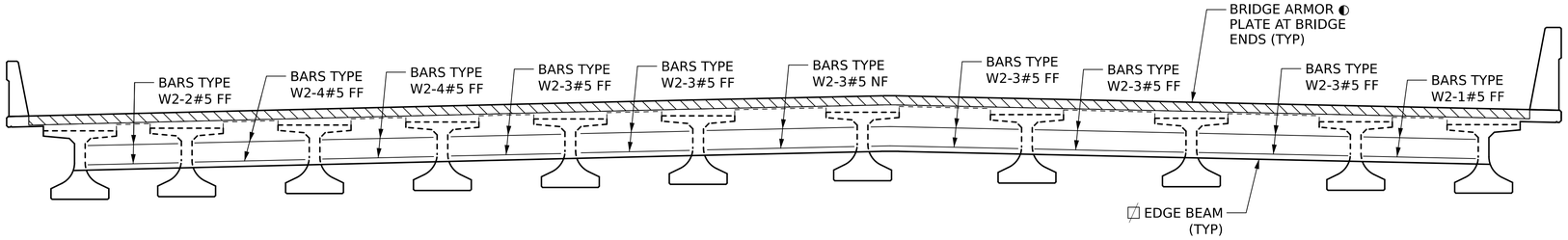
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"



TYPICAL SECTION - EASTBOUND SPAN 2

SCALE: ¼" = 1'-0"

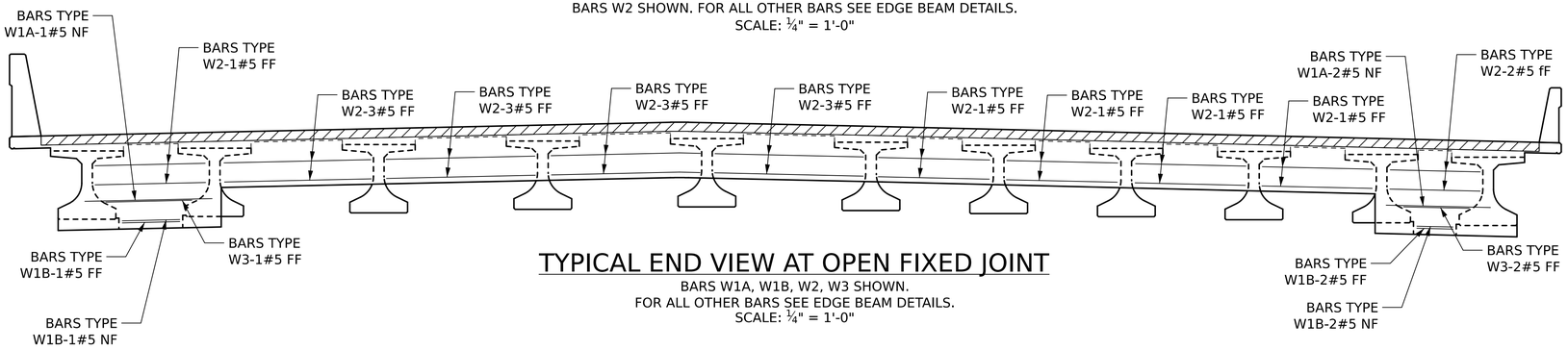


TYPICAL END VIEW AT OPEN EXPANSION JOINT

LOOKING BACK

BARS W2 SHOWN. FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"



TYPICAL END VIEW AT OPEN FIXED JOINT

BARS W1A, W1B, W2, W3 SHOWN.
FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.
SCALE: ¼" = 1'-0"

NOTES:

1. FOR PARABOLIC CROWN DETAILS, SEE DECK ELEVATION SHEETS.
◐ 2. FOR BRIDGE ARMOR PLATE DETIALS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.
3. DIMENSIONS MEASURED PERPENDICULAR TO ℄ I-10 MAINLINE & ℄ CONST.
* 4. MEASURED PERPENDICULAR TO ℄ I-10 BUSINESS EASTBOUND.
5. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAIL SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
⍁ 6. FOR EDGE BEAM DETAILS NOT SHOWN, SEE EDGE BEAM DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 18 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 2 TYPICAL SECTION EB

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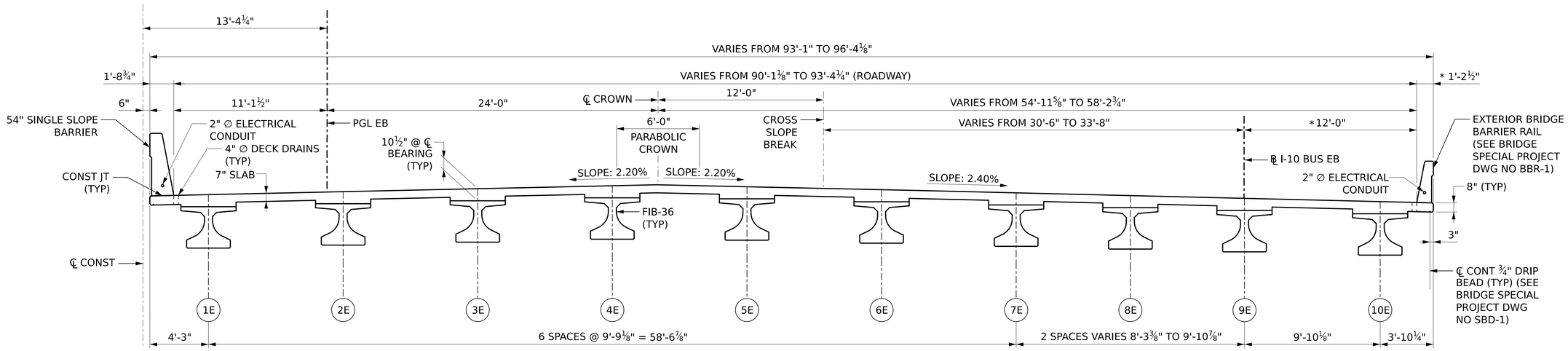
cade.arras
9:18:13 AM
6/26/2025

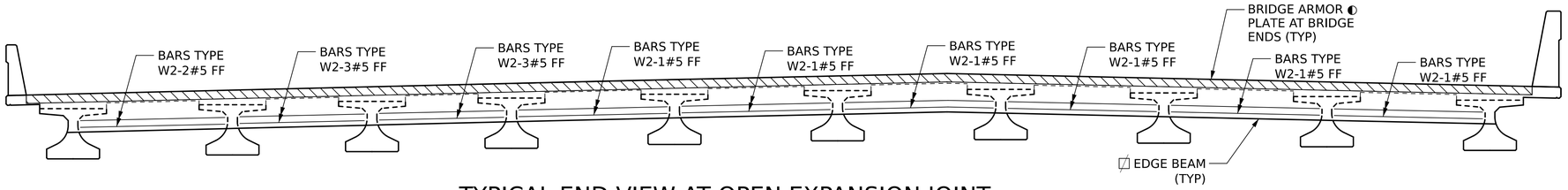
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05019

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



TYPICAL SECTION - EASTBOUND SPAN 3

SCALE: ¼" = 1'-0"



TYPICAL END VIEW AT OPEN EXPANSION JOINT

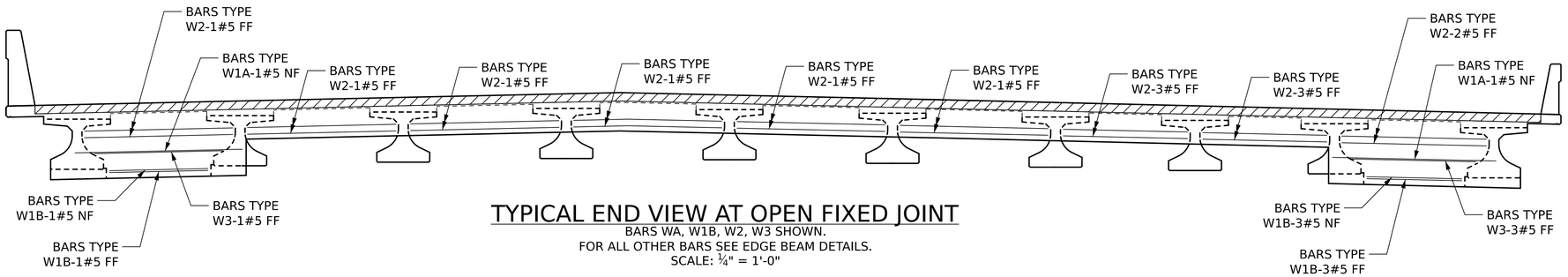
LOOKING BACK

BARS W2 SHOWN. FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.

SCALE: ¼" = 1'-0"

NOTES:

1. FOR PARABOLIC CROWN DETAILS, SEE DECK ELEVATION SHEETS.
◐ 2. FOR BRIDGE ARMOR PLATE DETIALS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.
3. DIMENSIONS MEASURED PERPENDICULAR TO ℄ I-10 MAINLINE & ℄ CONST.
* 4. MEASURED PERPENDICULAR TO ℄ I-10 BUSINESS EASTBOUND.
5. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAIL SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
℄ 6. FOR EDGE BEAM DETAILS NOT SHOWN, SEE EDGE BEAM DETAIL SHEETS.



TYPICAL END VIEW AT OPEN FIXED JOINT

BARS WA, W1B, W2, W3 SHOWN.
FOR ALL OTHER BARS SEE EDGE BEAM DETAILS.
SCALE: ¼" = 1'-0"

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 19 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPAN 3 TYPICAL SECTION EB

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cade.arras
9:18:31 AM
6/26/2025

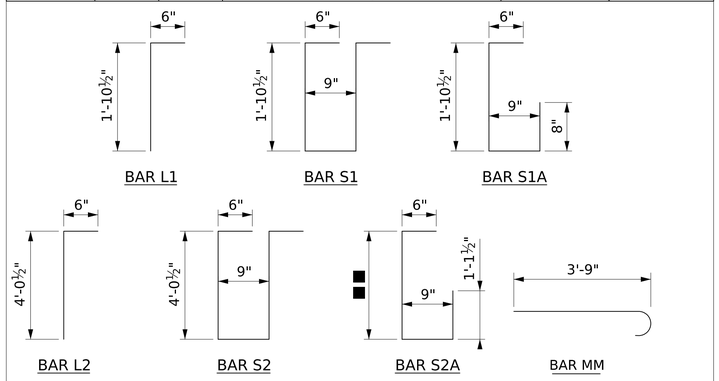
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05020

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 — 1" SHEET REFERENCE — 2"

BILL OF REINFORCEMENT (SPAN 1 WB)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING	
C	5	104	33'-7 3/8"	DECK	STRAIGHT	
C1 - C33	5	66	VARIES FROM 1'-11 3/8" - 33'-7"	DECK	STRAIGHT	
C34 - C85	5	104	VARIES FROM 2'-6 1/4" - 52'-11 1/4"	DECK	STRAIGHT	
A	5	104	28'-8 3/4"	DECK	STRAIGHT	
A1 - A33	5	66	VARIES FROM 1'-11 3/8" - 33'-7"	DECK	STRAIGHT	
A34 - A85	5	104	VARIES FROM 7'-4 7/8" - 57'-9 7/8"	DECK	STRAIGHT	
A86	5	80	6'-7"	DECK	STRAIGHT	
D	4	234	43'-1 1/4"	DECK	STRAIGHT	
MM	5	6	4'-4"	DECK	SEE DIAG	
ABUTMENT 1						
L1	5	5	2'-4 1/2"	EDGE BEAM	SEE DIAG	
L2	5	4	4'-6 1/2"	EDGE BEAM	SEE DIAG	
R1	8	7	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	48	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	16	3'-9 1/2"	EDGE BEAM	SEE DIAG	
S2	5	16	9'-10"	EDGE BEAM	SEE DIAG	
S2A	5	4	5'-0"	EDGE BEAM	SEE DIAG	
W1	5	2	86'-1 3/8"	EDGE BEAM	STRAIGHT	
W1A	5	4	11'-0"	EDGE BEAM	STRAIGHT	
W1B	5	4	6'-9 3/4"	EDGE BEAM	STRAIGHT	
W2	5	16	9'-10"	EDGE BEAM	STRAIGHT	
W3	5	2	8'-0 1/2"	EDGE BEAM	STRAIGHT	
BENT 2DS						
L1	5	9	2'-4 1/2"	EDGE BEAM	SEE DIAG	
R1	8	7	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	64	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	16	3'-9 1/2"	EDGE BEAM	SEE DIAG	
W1	5	2	86'-1 3/8"	EDGE BEAM	STRAIGHT	
W2	5	16	9'-10"	EDGE BEAM	STRAIGHT	
BARRIERS						
BL-1	4	13	43'-5"	BARRIER	STRAIGHT	*
B1-1	4	88	5'-10 1/2"	BARRIER	SEE DIAG	▲
B2-1	4	88	4'-6"	BARRIER	SEE DIAG	▲
BL-2	5	20	43'-5"	BARRIER	STRAIGHT	●
B1-2	5	88	9'-1 1/4"	BARRIER	SEE DIAG	●
B2-2	5	88	5'-7 1/4"	BARRIER	SEE DIAG	●



BAR BENDING DIAGRAM

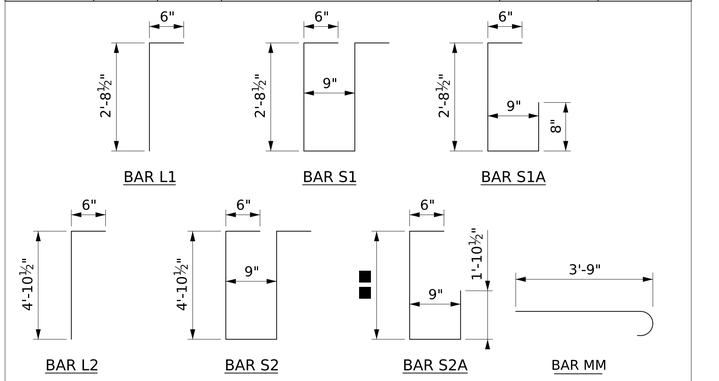
▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1. ■■ SEE EDGE BEAM DETAIL SHEETS.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

* LENGTH OF BAR IS FOR THE FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE ¾" OPEN JOINTS. FOR BARRIER JOINT LOCATIONS, SEE SPAN DETAIL SHEETS.

BILL OF REINFORCEMENT (SPAN 2 WB)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING	
C	5	216	38'-9 1/2"	DECK	STRAIGHT	
C1	5	132	48'-6"	DECK	STRAIGHT	
C2 - C44	5	86	VARIES FROM 2'-1 5/8" - 43'-7 7/8"	DECK	STRAIGHT	
C45 - C86	5	84	VARIES FROM 7'-4 7/8" - 47'-11 3/8"	DECK	STRAIGHT	
A	5	216	43'-4 1/2"	DECK	STRAIGHT	
A1	5	132	43'-11"	DECK	STRAIGHT	
A2 - A44	5	86	VARIES FROM 2'-1 5/8" - 43'-7 7/8"	DECK	STRAIGHT	
A45 - A86	5	84	VARIES FROM 2'-10" - 43'-4 3/8"	DECK	STRAIGHT	
A96	5	212	6'-7"	DECK	STRAIGHT	
D	4	234	60'-0"	DECK	STRAIGHT	
D1	4	234	50'-6 5/8"	DECK	STRAIGHT	
MM	5	6	4'-4"	DECK	SEE DIAG	
BENT 2US						
L1	5	6	3'-2 1/2"	EDGE BEAM	SEE DIAG	
L2	5	4	5'-6"	EDGE BEAM	SEE DIAG	
R1	8	8	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	49	7'-2"	EDGE BEAM	SEE DIAG	
S1A	5	14	4'-7 1/2"	EDGE BEAM	SEE DIAG	
S2	5	14	11'-6"	EDGE BEAM	SEE DIAG	
S2A	5	4	8'-1"	EDGE BEAM	SEE DIAG	
W1	5	2	87'-9 3/8"	EDGE BEAM	STRAIGHT	
W1A	5	4	8'-1 1/8"	EDGE BEAM	STRAIGHT	
W1B	5	4	4'-1 1/2"	EDGE BEAM	STRAIGHT	
W2-1	5	4	6'-10 1/4"	EDGE BEAM	STRAIGHT	
W2-2	5	14	9'-3 1/4"	EDGE BEAM	STRAIGHT	
W3	5	4	5'-0"	EDGE BEAM	STRAIGHT	
BENT 3DS						
L1	5	10	3'-2 1/2"	EDGE BEAM	SEE DIAG	
R1	8	8	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	63	7'-2"	EDGE BEAM	SEE DIAG	
S1A	5	18	4'-7 1/2"	EDGE BEAM	SEE DIAG	
W1	5	2	87'-9 3/8"	EDGE BEAM	STRAIGHT	
W2-1	5	4	6'-10 1/4"	EDGE BEAM	STRAIGHT	
W2-2	5	14	9'-3 1/4"	EDGE BEAM	STRAIGHT	
BARRIERS						
BL-1	4	13	55'-0"	BARRIER	STRAIGHT	*
B1-1	4	218	5'-10 1/2"	BARRIER	SEE DIAG	▲
B2-1	4	218	4'-6"	BARRIER	SEE DIAG	▲
BL-2	5	20	55'-0"	BARRIER	STRAIGHT	●
B1-2	5	218	9'-1 1/4"	BARRIER	SEE DIAG	●
B2-2	5	218	5'-7 1/4"	BARRIER	SEE DIAG	●



BAR BENDING DIAGRAM

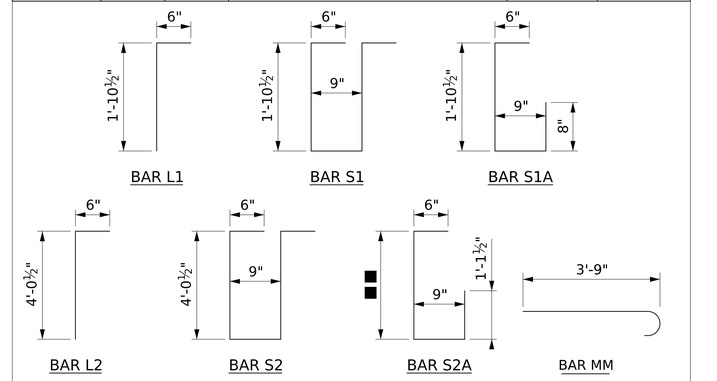
▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1. ■■ SEE EDGE BEAM DETAIL SHEETS.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

* LENGTH OF BAR IS FOR THE FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE ¾" OPEN JOINTS. FOR BARRIER JOINT LOCATIONS, SEE SPAN DETAIL SHEETS.

BILL OF REINFORCEMENT (SPAN 3 WB)

MARK	SIZE	NO.	LENGTH	LOCATION	BENDING	
C	5	104	33'-7 3/8"	DECK	STRAIGHT	
C1 - C33	5	66	VARIES FROM 1'-11 3/8" - 33'-7"	DECK	STRAIGHT	
C34 - C85	5	104	VARIES FROM 2'-6 1/4" - 52'-11 1/4"	DECK	STRAIGHT	
A	5	104	28'-8 3/4"	DECK	STRAIGHT	
A1 - A33	5	66	VARIES FROM 1'-11 3/8" - 33'-7"	DECK	STRAIGHT	
A34 - A85	5	104	VARIES FROM 7'-4 7/8" - 57'-9 7/8"	DECK	STRAIGHT	
A86	5	80	6'-7"	DECK	STRAIGHT	
D	4	234	43'-1 1/4"	DECK	STRAIGHT	
MM	5	6	4'-4"	DECK	SEE DIAG	
BENT 3 US						
L1	5	5	2'-4 1/2"	EDGE BEAM	SEE DIAG	
L2	5	4	4'-6 1/2"	EDGE BEAM	SEE DIAG	
R1	8	7	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	48	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	12	3'-9 1/2"	EDGE BEAM	SEE DIAG	
S2	5	16	9'-10"	EDGE BEAM	SEE DIAG	
S2A	5	4	5'-0"	EDGE BEAM	SEE DIAG	
W1	5	2	86'-1 3/8"	EDGE BEAM	STRAIGHT	
W1A	5	4	11'-0"	EDGE BEAM	STRAIGHT	
W1B	5	4	6'-9 3/4"	EDGE BEAM	STRAIGHT	
W2	5	16	9'-10"	EDGE BEAM	STRAIGHT	
W3	5	2	8'-0 1/2"	EDGE BEAM	STRAIGHT	
ABUTMENT 4						
L1	5	9	2'-4 1/2"	EDGE BEAM	SEE DIAG	
R1	8	7	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	64	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	16	3'-9 1/2"	EDGE BEAM	SEE DIAG	
W1	5	2	86'-1 3/8"	EDGE BEAM	STRAIGHT	
W2	5	16	9'-10"	EDGE BEAM	STRAIGHT	
BARRIERS						
BL-1	4	13	43'-5"	BARRIER	STRAIGHT	*
B1-1	4	88	5'-10 1/2"	BARRIER	SEE DIAG	▲
B2-1	4	88	4'-6"	BARRIER	SEE DIAG	▲
BL-2	5	20	43'-5"	BARRIER	STRAIGHT	●
B1-2	5	88	9'-1 1/4"	BARRIER	SEE DIAG	●
B2-2	5	88	5'-7 1/4"	BARRIER	SEE DIAG	●



BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1. ■■ SEE EDGE BEAM DETAIL SHEETS.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

* LENGTH OF BAR IS FOR THE FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE ¾" OPEN JOINTS. FOR BARRIER JOINT LOCATIONS, SEE SPAN DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP — DATE
PE STAMP — DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 20 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPANS BILL OF REINFORCEMENT 1

MRB-S01-BR-05020.dgn
cade.arras
9:18:50 AM
6/26/2025

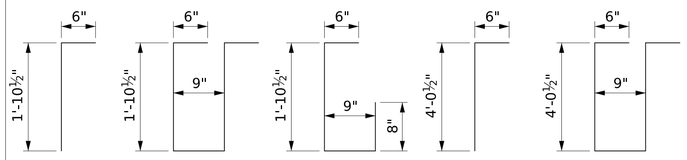
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05021

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

BILL OF REINFORCEMENT (SPAN 1 EB)

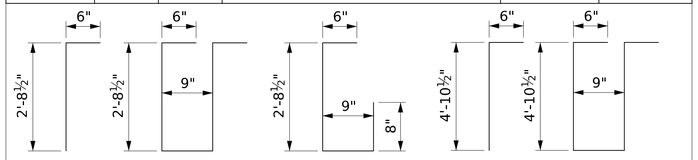
MARK	SIZE	NO	LENGTH	LOCATION	BENDING	
C	5	51	34'-1 7/8"	DECK	STRAIGHT	
C1 - C34	5	34	VARIES FROM 1'-10" - 34'-5 1/2"	DECK	STRAIGHT	
C35 - C81	5	47	VARIES FROM 2'-10 1/4" - 48'-4"	DECK	STRAIGHT	
C82	5	4	49'-1 3/4"	DECK	STRAIGHT	
C83 - C109	5	27	VARIES FROM 33'-6 3/8" - 7'-9 7/8"	DECK	STRAIGHT	
C110	5	27	50'-1"	DECK	STRAIGHT	
C111 - C166	5	56	VARIES FROM 55'-4 3/4" - 2'-11 1/4"	DECK	STRAIGHT	
A	5	51	29'-3 1/4"	DECK	STRAIGHT	
A1 - A34	5	34	VARIES FROM 1'-10" - 34'-5 1/2"	DECK	STRAIGHT	
A35 - A81	5	47	VARIES FROM 7'-8 7/8" - 53'-2 1/2"	DECK	STRAIGHT	
A82	5	4	54'-0 1/4"	DECK	STRAIGHT	
A83 - A109	5	27	VARIES FROM 28'-7 3/4" - 2'-11 1/4"	DECK	STRAIGHT	
A110	5	27	54'-11 5/8"	DECK	STRAIGHT	
A111 - A166	5	56	VARIES FROM 55'-4 3/4" - 2'-11 1/4"	DECK	STRAIGHT	
A167	5	80	6'-7"	DECK	STRAIGHT	
D	4	225	43'-1 1/4"	DECK	STRAIGHT	
D1	4	5	44'-9 5/8"	DECK	STRAIGHT	
D2 - D7	4	6	VARIES FROM 39'-6 1/4" - 5'-0 1/2"	DECK	STRAIGHT	
D8 - D10	4	3	VARIES FROM 39'-6 1/4" - 5'-0 1/2"	DECK	STRAIGHT	
MM	5	6	4'-4"	DECK	SEE DIAG	
ABUTMENT 1						
L1	5	5	2'-4 1/2"	EDGE BEAM	SEE DIAG	
L2	5	4	4'-6 1/2"	EDGE BEAM	SEE DIAG	
R1	8	7	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	42	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	12	3'-9 1/2"	EDGE BEAM	SEE DIAG	
S2	5	16	9'-10"	EDGE BEAM	SEE DIAG	
S2A	5	4	5'-0"	EDGE BEAM	SEE DIAG	
W1	5	2	83'-0 5/8"	EDGE BEAM	STRAIGHT	
W1A-1	5	2	11'-2 1/4"	EDGE BEAM	STRAIGHT	
W1B-1	5	2	7'-11 3/8"	EDGE BEAM	STRAIGHT	
W2-1	5	10	9'-10 7/8"	EDGE BEAM	STRAIGHT	
W3-1	5	2	7'-4"	EDGE BEAM	STRAIGHT	
W1A-2	5	2	11'-3 3/8"	EDGE BEAM	STRAIGHT	
W1B-2	5	2	6'-10 7/8"	EDGE BEAM	STRAIGHT	
W2-2	5	2	10'-0 1/2"	EDGE BEAM	STRAIGHT	
W3-2	5	2	8'-11"	EDGE BEAM	STRAIGHT	
W2-3	5	4	7'-5 5/8"	EDGE BEAM	STRAIGHT	
BENT 2DS						
L1	5	9	2'-4 1/2"	EDGE BEAM	SEE DIAG	
R1	8	7	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	40	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	16	3'-9 1/2"	EDGE BEAM	SEE DIAG	
W1	5	2	86'-8 1/2"	EDGE BEAM	STRAIGHT	
W2-1	5	10	6'-9 1/2"	EDGE BEAM	STRAIGHT	
W2-2	5	4	9'-3 1/2"	EDGE BEAM	STRAIGHT	
W2-3	5	2	10'-0 1/2"	EDGE BEAM	STRAIGHT	
BARRIERS						
BL-1	4	13	44'-8"	BARRIER	STRAIGHT	*
B1-1	4	88	5'-10 1/2"	BARRIER	SEE DIAG	▲
B2-1	4	88	4'-6"	BARRIER	SEE DIAG	▲
BL-2	5	20	46'-1 1/2"	BARRIER	STRAIGHT	●
B1-2	5	92	9'-1 1/4"	BARRIER	SEE DIAG	●
B2-2	5	92	5'-7 1/4"	BARRIER	SEE DIAG	●



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT (SPAN 2 EB)

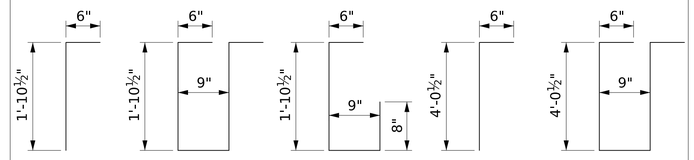
MARK	SIZE	NO	LENGTH	LOCATION	BENDING	
C	5	170	47'-10 3/8"	DECK	STRAIGHT	
C1 - C47	5	47	VARIES FROM 2'-1 5/8" - 47'-7 3/8"	DECK	STRAIGHT	
C48 - C84	5	37	VARIES FROM 2'-3 1/2" - 37'-10 5/8"	DECK	STRAIGHT	
C85	5	67	40'-9 3/4"	DECK	STRAIGHT	
C86	5	66	43'-1 1/2"	DECK	STRAIGHT	
C87	5	42	44'-7 1/8"	DECK	STRAIGHT	
C88 - C129	5	42	VARIES FROM 47'-3 3/4" - 6'-9 3/8"	DECK	STRAIGHT	
C130 - C179	5	50	VARIES FROM 48'-10 1/4" - 2'-1 1/2"	DECK	STRAIGHT	
A	5	170	43'-4 3/8"	DECK	STRAIGHT	
A1 - A47	5	47	VARIES FROM 2'-1 5/8" - 47'-7 3/8"	DECK	STRAIGHT	
A48 - A84	5	37	VARIES FROM 6'-9 1/2" - 42'-4 5/8"	DECK	STRAIGHT	
A85	5	67	45'-3 3/4"	DECK	STRAIGHT	
A86	5	66	47'-7 1/2"	DECK	STRAIGHT	
A87	5	42	49'-1 1/8"	DECK	STRAIGHT	
A88 - A129	5	42	VARIES FROM 42'-9 3/4" - 2'-3 3/8"	DECK	STRAIGHT	
A130 - A179	5	50	VARIES FROM 48'-10 1/4" - 2'-1 1/2"	DECK	STRAIGHT	
A180	5	212	6'-7"	DECK	STRAIGHT	
D	4	247	60'-0"	DECK	STRAIGHT	
D1	4	232	50'-6 5/8"	DECK	STRAIGHT	
D2 - D8	4	7	VARIES FROM 47'-3 1/4" - 5'-10 5/8"	DECK	STRAIGHT	
D9 - D11	4	3	VARIES FROM 47'-3 1/4" - 5'-10 5/8"	DECK	STRAIGHT	
D12 - D20	4	9	VARIES FROM 57'-8 5/8" - 2'-6 3/8"	DECK	STRAIGHT	
D21 - D24	4	4	VARIES FROM 57'-8 5/8" - 2'-6 3/8"	DECK	STRAIGHT	
D25	4	5	55'-3 3/8"	DECK	STRAIGHT	
MM	5	6	4'-4"	DECK	SEE DIAG	
BENT 2US						
L1	5	7	3'-2 1/2"	EDGE BEAM	SEE DIAG	
L2	5	4	5'-6"	EDGE BEAM	SEE DIAG	
R1	8	9	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	57	7'-2"	EDGE BEAM	SEE DIAG	
S1A	5	16	5'-4 1/2"	EDGE BEAM	SEE DIAG	
S2	5	9	11'-6"	EDGE BEAM	SEE DIAG	
S2A	5	4	6'-7"	EDGE BEAM	SEE DIAG	
W1	5	2	86'-6 5/8"	EDGE BEAM	STRAIGHT	
W1A-1	5	1	8'-1 1/8"	EDGE BEAM	STRAIGHT	
W1B-1	5	2	3'-8 5/8"	EDGE BEAM	STRAIGHT	
W2-1	5	2	6'-10 1/4"	EDGE BEAM	STRAIGHT	
W3-1	5	1	5'-8 3/4"	EDGE BEAM	STRAIGHT	
W1A-2	5	1	6'-11 3/4"	EDGE BEAM	STRAIGHT	
W1B-2	5	2	2'-7 1/4"	EDGE BEAM	STRAIGHT	
W2-2	5	2	5'-8 7/8"	EDGE BEAM	STRAIGHT	
W3-2	5	1	4'-7 3/8"	EDGE BEAM	STRAIGHT	
W2-3	5	12	9'-1 1/8"	EDGE BEAM	STRAIGHT	
BENT 3DS						
L1	5	11	3'-2 1/2"	EDGE BEAM	SEE DIAG	
R1	8	9	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	65	7'-2"	EDGE BEAM	SEE DIAG	
S1A	5	20	5'-4 1/2"	EDGE BEAM	SEE DIAG	
W1	5	2	95'-5 7/8"	EDGE BEAM	STRAIGHT	
W2-1	5	2	6'-10 1/4"	EDGE BEAM	STRAIGHT	
W2-2	5	2	5'-8 7/8"	EDGE BEAM	STRAIGHT	
W2-3	5	12	9'-1 1/8"	EDGE BEAM	STRAIGHT	
W2-4	5	4	9'-1"	EDGE BEAM	STRAIGHT	
BARRIERS						
BL-1	4	16	54'-11 7/8"	BARRIER	STRAIGHT	*
B1-1	4	218	5'-10 1/2"	BARRIER	SEE DIAG	▲
B2-1	4	218	4'-6"	BARRIER	SEE DIAG	▲
BL-2	5	24	57'-1 3/4"	BARRIER	STRAIGHT	●
B1-2	5	227	9'-1 1/4"	BARRIER	SEE DIAG	●
B2-2	5	227	5'-7 1/4"	BARRIER	SEE DIAG	●



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT (SPAN 3 EB)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING	
C	5	40	43'-11"	DECK	STRAIGHT	
C1 - C45	5	45	VARIES FROM 1'-10" - 45'-4"	DECK	STRAIGHT	
C46 - C85	5	40	VARIES FROM 3'-11 5/8" - 42'-6 1/4"	DECK	STRAIGHT	
C86 - C92	5	7	VARIES FROM 43'-3 1/2" - 37'-4 1/4"	DECK	STRAIGHT	
C93 - C99	5	7	VARIES FROM 43'-6 1/8" - 49'-5 1/4"	DECK	STRAIGHT	
C100 - C130	5	31	VARIES FROM 36'-4 3/8" - 6'-8 1/2"	DECK	STRAIGHT	
C131	5	31	51'-5 1/2"	DECK	STRAIGHT	
C132 - C188	5	57	VARIES FROM 55'-7 7/8" - 2'-3"	DECK	STRAIGHT	
A	5	40	39'-0 3/8"	DECK	STRAIGHT	
A1 - A45	5	45	VARIES FROM 1'-10" - 45'-4"	DECK	STRAIGHT	
A46 - A85	5	40	VARIES FROM 8'-10 1/8" - 47'-4 7/8"	DECK	STRAIGHT	
A86 - A92	5	7	VARIES FROM 38'-4 7/8" - 32'-5 3/4"	DECK	STRAIGHT	
A93 - A99	5	7	VARIES FROM 48'-4 5/8" - 54'-3 7/8"	DECK	STRAIGHT	
A100 - A130	5	31	VARIES FROM 31'-5 7/8" - 1'-10"	DECK	STRAIGHT	
A131	5	31	56'-7 3/8"	DECK	STRAIGHT	
A132 - A188	5	57	VARIES FROM 55'-7 7/8" - 2'-3"	DECK	STRAIGHT	
A189	5	80	6'-7"	DECK	STRAIGHT	
D	4	252	43'-1 1/4"	DECK	STRAIGHT	
D1	4	5	44'-9 5/8"	DECK	STRAIGHT	
D2 - D7	4	6	VARIES FROM 42'-11 3/4" - 8'-5 7/8"	DECK	STRAIGHT	
D8 - D10	4	3	VARIES FROM 42'-11 3/4" - 8'-5 7/8"	DECK	STRAIGHT	
MM	5	6	4'-4"	DECK	SEE DIAG	
BENT 3US						
L1	5	6	2'-4 1/2"	EDGE BEAM	SEE DIAG	
L2	5	4	4'-6 1/2"	EDGE BEAM	SEE DIAG	
R1	8	8	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	42	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	14	3'-9 1/2"	EDGE BEAM	SEE DIAG	
S2	5	16	9'-10"	EDGE BEAM	SEE DIAG	
S2A	5	4	5'-0"	EDGE BEAM	SEE DIAG	
W1	5	2	95'-7 3/4"	EDGE BEAM	STRAIGHT	
W1A-1	5	2	11'-2 1/4"	EDGE BEAM	STRAIGHT	
W1B-1	5	2	6'-9 3/4"	EDGE BEAM	STRAIGHT	
W2-1	5	12	9'-11 3/8"	EDGE BEAM	STRAIGHT	
W3-1	5	2	8'-9 7/8"	EDGE BEAM	STRAIGHT	
W1A-2	5	2	11'-3 3/8"	EDGE BEAM	STRAIGHT	
W1B-2	5	2	6'-10 7/8"	EDGE BEAM	STRAIGHT	
W2-2	5	2	10'-0 1/2"	EDGE BEAM	STRAIGHT	
W3-2	5	2	8'-11"	EDGE BEAM	STRAIGHT	
W2-3	5	4	8'-3 1/2"	EDGE BEAM	STRAIGHT	
ABUTMENT 4						
L1	5	10	2'-4 1/2"	EDGE BEAM	SEE DIAG	
R1	8	8	4'-8"	EDGE BEAM	STRAIGHT	
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT	
S1	5	62	5'-6"	EDGE BEAM	SEE DIAG	
S1A	5	18	3'-9 1/2"	EDGE BEAM	SEE DIAG	
W1	5	2	99'-3 5/8"	EDGE BEAM	STRAIGHT	
W2-1	5	10	9'-11 3/8"	EDGE BEAM	STRAIGHT	
W2-2	5	4	10'-1 3/8"	EDGE BEAM	STRAIGHT	
W2-3	5	2	10'-0 1/2"	EDGE BEAM	STRAIGHT	
BARRIERS						
BL-1	4	16	43'-5 3/4"	BARRIER	STRAIGHT	*
B1-1	4	88	5'-10 1/2"	BARRIER	SEE DIAG	▲
B2-1	4	88	4'-6"	BARRIER	SEE DIAG	▲
BL-2	5	24	45'-2 7/8"	BARRIER	STRAIGHT	●
B1-2	5	92	9'-1 1/4"	BARRIER	SEE DIAG	●
B2-2	5	92	5'-7 1/4"	BARRIER	SEE DIAG	●



BAR BENDING DIAGRAM

BAR BENDING DIAGRAM

FOR NOTES SEE SPANS BILL OF REINFORCEMENT 1 SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 21 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
SPANS BILL OF REINFORCEMENT 2

MRB-S01-BR-05021.dgn
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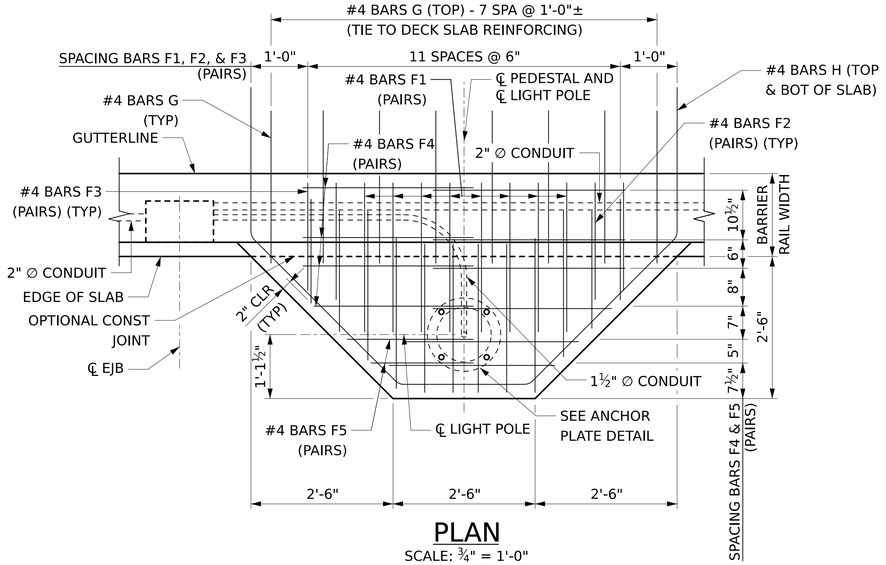
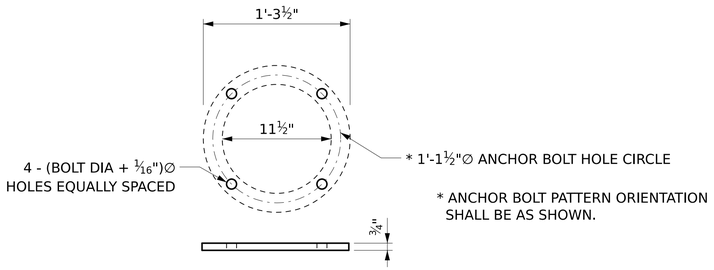
9:19:10 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05022

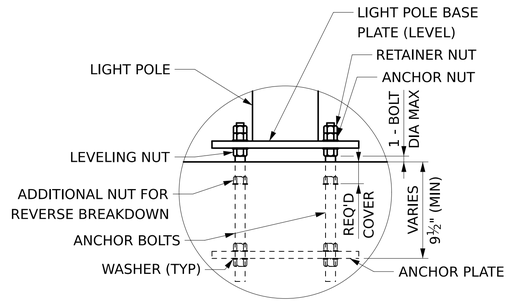
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN
SCALE: ¾" = 1'-0"

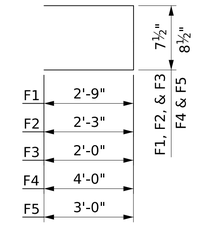


ANCHOR PLATE DETAIL
SCALE: 1½" = 1'-0"

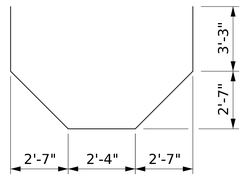


◒◒ DETAIL A
SCALE: 1½" = 1'-0"

BILL OF REINFORCEMENT (PER EACH)					
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
F1	4	16	6'-2"	RAIL	SEE DIAG
F2	4	4	5'-2"	RAIL	SEE DIAG
F3	4	4	4'-8"	RAIL	SEE DIAG
F4	4	8	8'-9"	RAIL	SEE DIAG
F5	4	4	6'-9"	RAIL	SEE DIAG
G	4	8	6'-0"	RAIL	STRAIGHT
H	4	2	16'-2"	RAIL	SEE DIAG

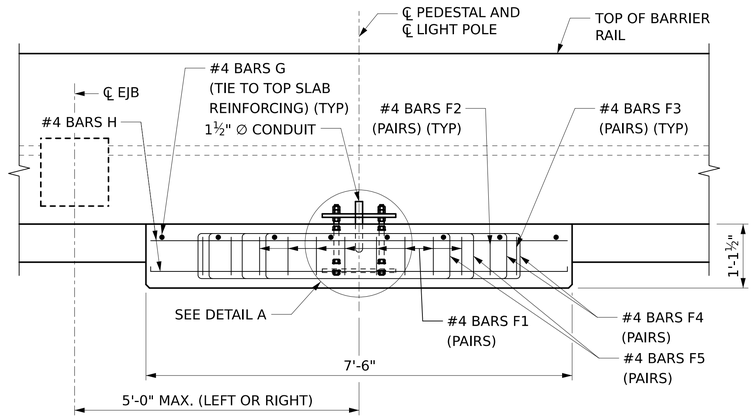


BARS F

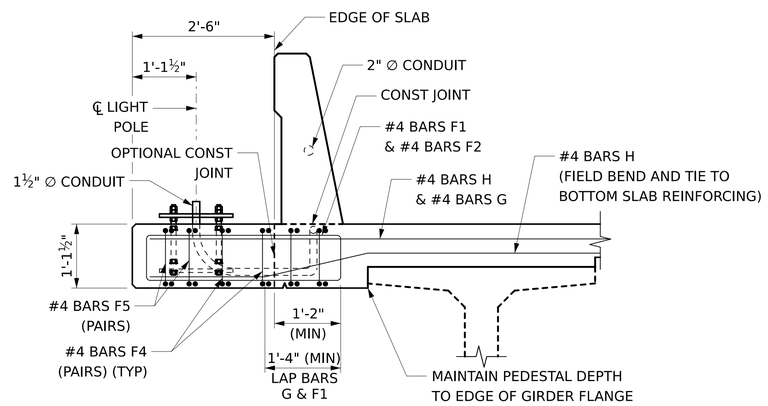


BARS H

BAR BENDING DIAGRAM



ELEVATION
SCALE: ¾" = 1'-0"



TYPICAL SECTION
SCALE: ¾" = 1'-0"

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 22 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
LIGHT PEDESTAL DETAILS

MRB-S01-BR-05022.dgn
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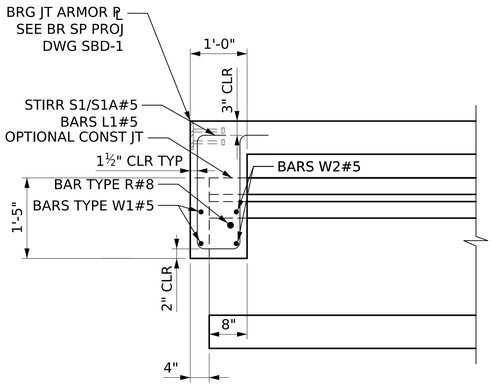
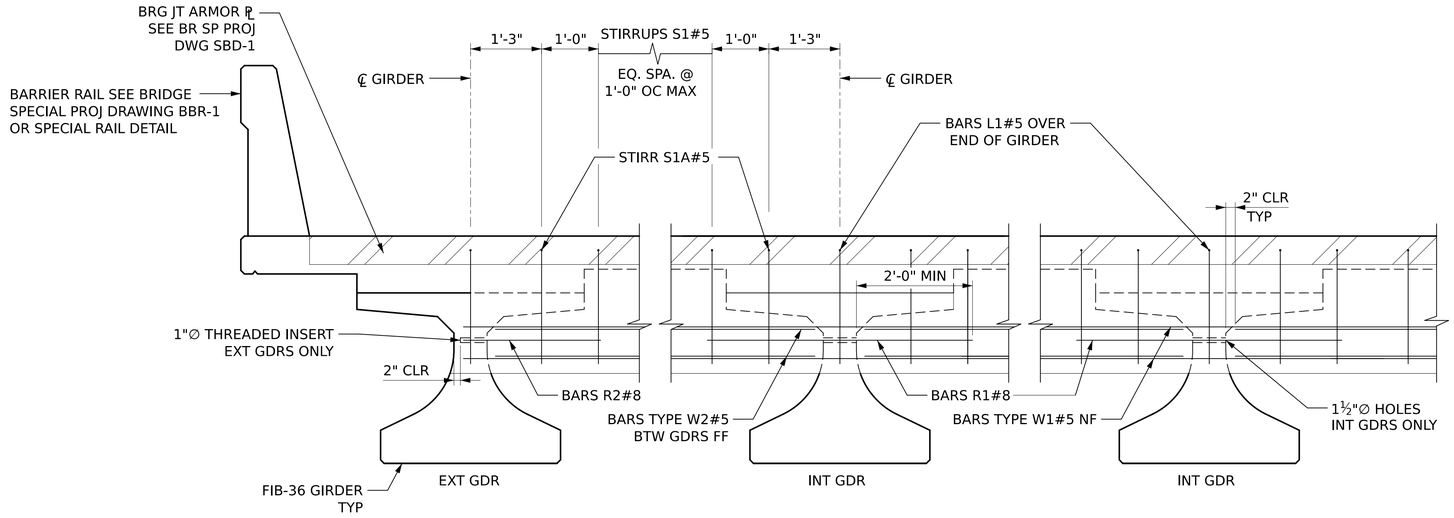
6/26/2025

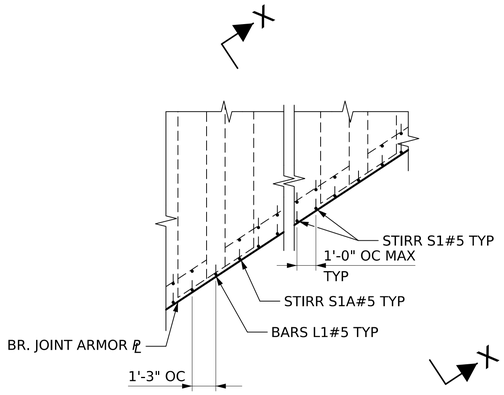
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05023



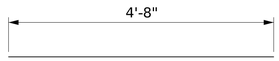
SECTION X-X
(OPEN JOINT)
SCALE: ¼" = 1'-0"



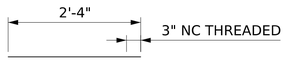
EDGE BEAM @ OPEN JOINT ANY SKEW (EXPANSION)
SCALE: ¼" = 1'-0"



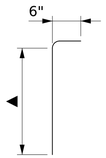
PLAN - EDGE BEAM @ OPEN JOINT (ANY SKEW)
SCALE: ¾" = 1'-0"



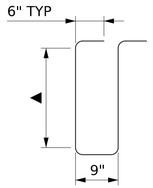
BAR R1#8



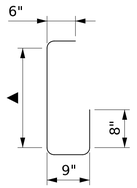
BAR R2#8



△ BAR L1#5



△ STIRR S1#5



△ STIRR S1A#5

▲DECK + HAUNCH + 1'-0"

NOTES:

1. THE LAP SPLICE FOR BARS TYPE W1 #5 IS EQUAL TO 19" MINIMUM.
2. EXTEND DECK GROOVING TO WITHIN 6" OF JOINT.
△ 3. FOR DETAILS ON STIRR S1, STIRR S1A, AND BARS L1, SEE SPAN BILL OF REINFORCEMENT.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 23 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 36 EDGE BEAM DETAILS (1)

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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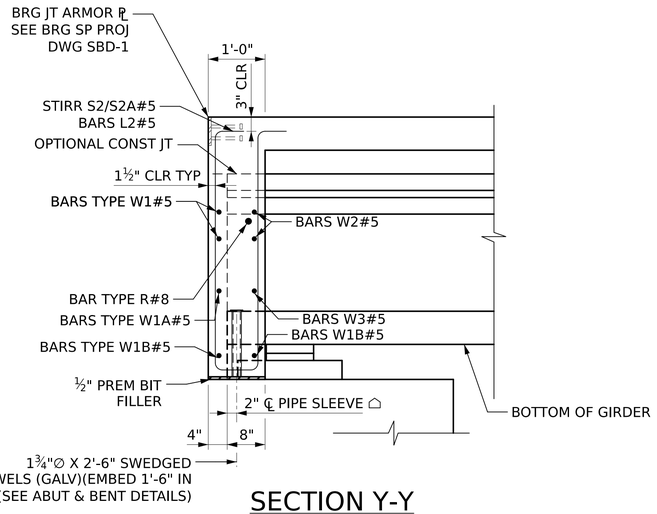
6/26/2025

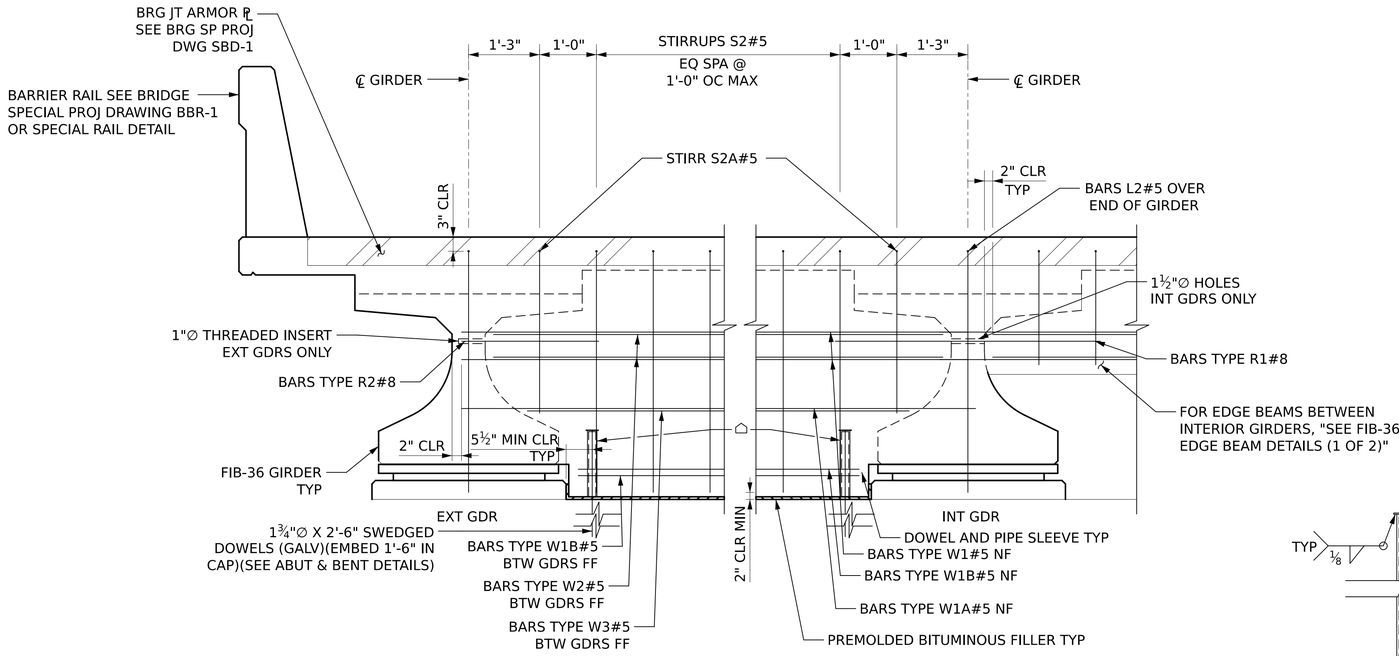
SHEET REFERENCE 0 1" 2"

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05024

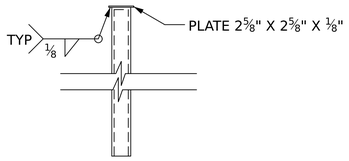
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



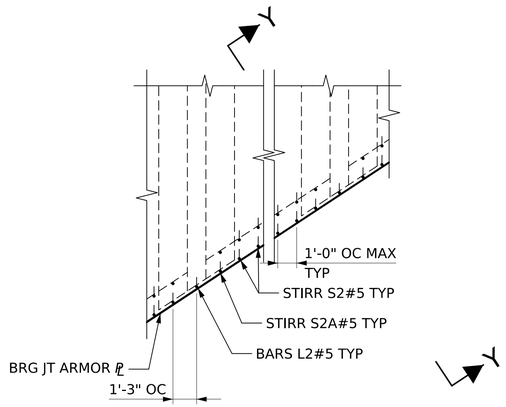
SECTION Y-Y
OPEN JOINT - FIXED
SCALE: ¾" = 1'-0"



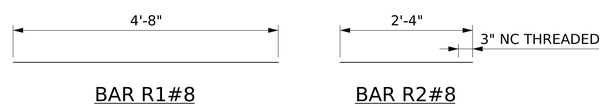
*EDGE BEAM @ OPEN JOINT ANY SKEW (FIXED)
SCALE: ¾" = 1'-0"



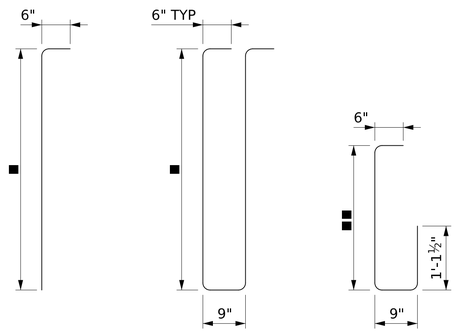
PIPE SLEEVE
NTS



PLAN - EDGE BEAM
@ FIXED JOINT ANY SKEW
SCALE: ¼" = 1'-0"



BAR R1#8 BAR R2#8



▣ BAR L2#5 ▣ STIRR S2#5 ▣ STIRR S2A#5

■ = STRUCTURE DEPTH + PEDESTAL HEIGHT - 5"

■■ = VARIES MAINTAIN 3" CLR FROM FIB AND TOP OF DECK

STRUCTURE DEPTH = HEIGHT OF DECK, HAUNCH, BEAM, AND BEARING PAD

NOTES:

1. THE LAP SPLICE FOR BARS TYPE W1 #5 IS EQUAL TO 19" MINIMUM.
2. EXTEND DECK GROOVING TO WITHIN 6" OF JOINT.
3. ⌓ 2" NOMINAL DIA X 1'-2" STAINLESS STEEL PIPE SLEEVE.
4. ▣ FOR DETAILS OF STIRR S2, STIRR S2A, AND BARS L2, SEE SPAN BILL OF REINFORCEMENT.
5. * FOR AMOUNT AND SPACING OF SLEEVES AND DOWELS, SEE ABUT OR BENT DETAILS
6. THE 2⅝ X 2⅝" X ⅛" PLATE MAY BE REPLACED WITH A POLYETHYLENE CAP OR INSERT TO SEAL THE END OF THE PIPE SLEEVE. THE CAP OR PLUG SEAL SHALL BE SECURED TO THE PIPE SLEEVE PRIOR TO SHIPMENT BY WRAPPING WITH DUCT TAPE.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

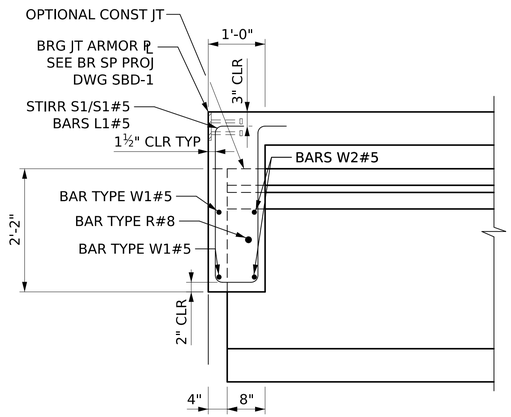
BRIDGE SHEET NO. 24 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 36 EDGE BEAM DETAILS (2)

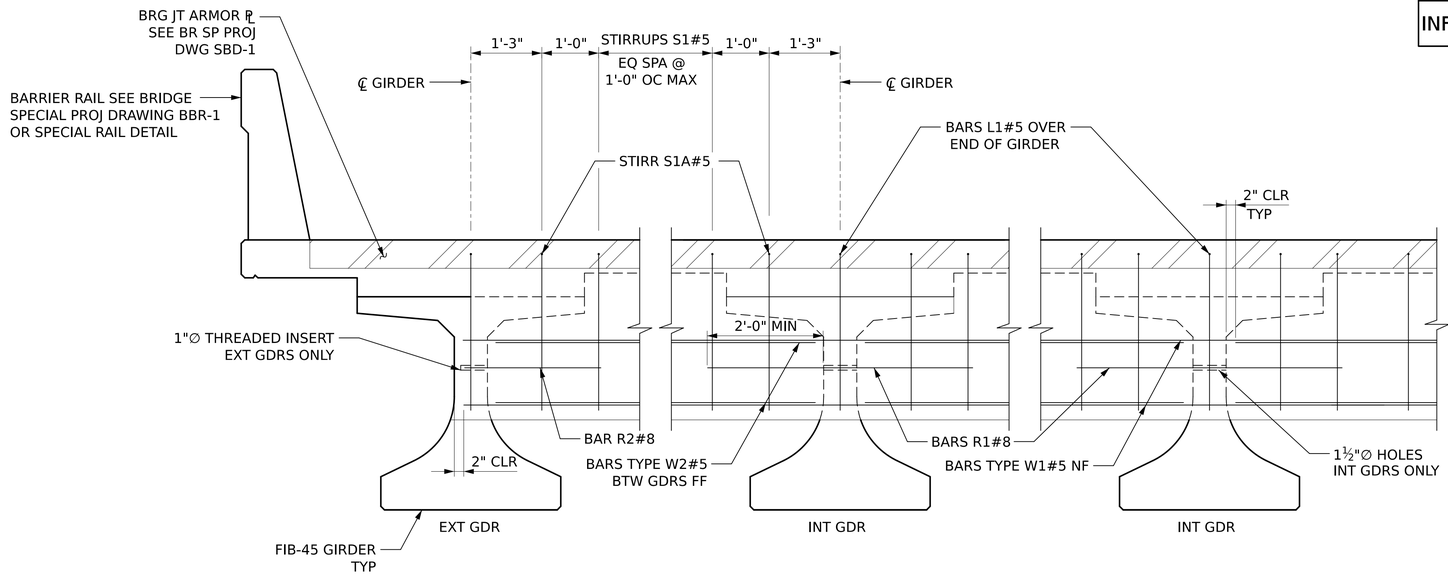
MRB-S01-BR-05024.dgn
cade.arras
9:20:05 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05025

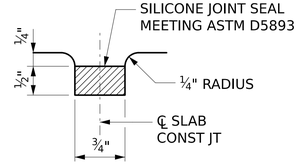
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



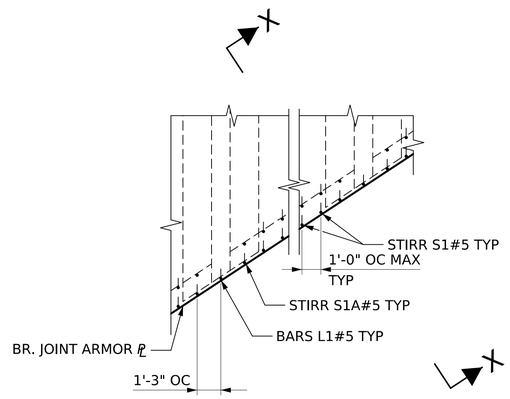
SECTION X-X
(OPEN JOINT)
SCALE: ¾" = 1'-0"



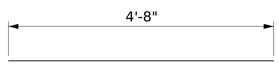
EDGE BEAM @ OPEN JOINT ANY SKEW (EXPANSION)
SCALE: ¾" = 1'-0"



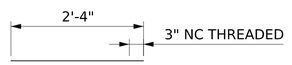
DETAIL B
NTS



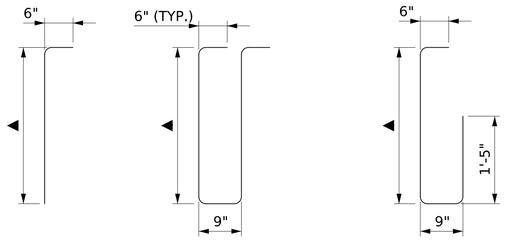
PLAN - EDGE BEAM @ OPEN JOINT (ANY SKEW)
SCALE: ¼" = 1'-0"



BAR R1#8

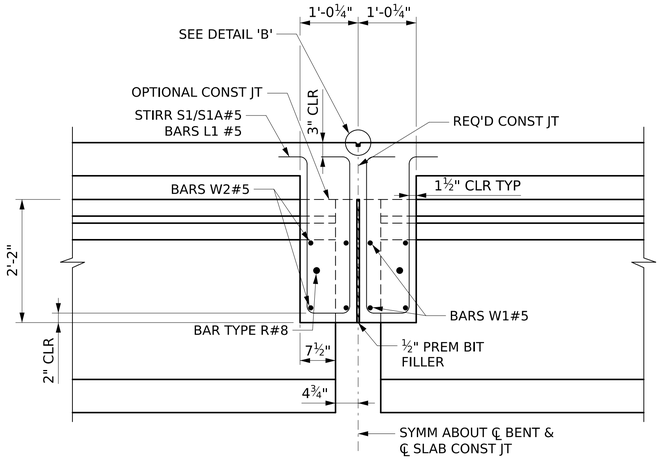


BAR R2#8



△ BAR L1#5 △ STIRR S1#5 △ STIRR S1A#5

▲ DECK + HAUNCH + 1'-9"



SECTION X-X
(CLOSED JOINT - IF SPECIFIED)
SCALE: ¾" = 1'-0"

NOTES:

1. THE LAP SPLICE FOR BARS TYPE W1 #5 IS EQUAL TO 19" MINIMUM.
2. EXTEND DECK GROOVING TO WITHIN 6" OF JOINT.
△ 3. FOR DETAILS ON STIRR S1, STIRR S1A, AND BARS L1, SEE SPAN BILL OF REINFORCEMENT.
4. FOR EDGE BEAM AT CLOSED JOINTS (CONTINUOUS DECK): END VIEW AND PLAN SAME EXCEPT OMIT ARMOR PLATE. DO NOT COAT REQUIRED SLAB CONSTRUCTION JOINT WITH EPOXY ADHESIVE PRIOR TO NEXT POUR. STOP DECK GROOVING 6" MINIMUM FROM CLOSED JOINT.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

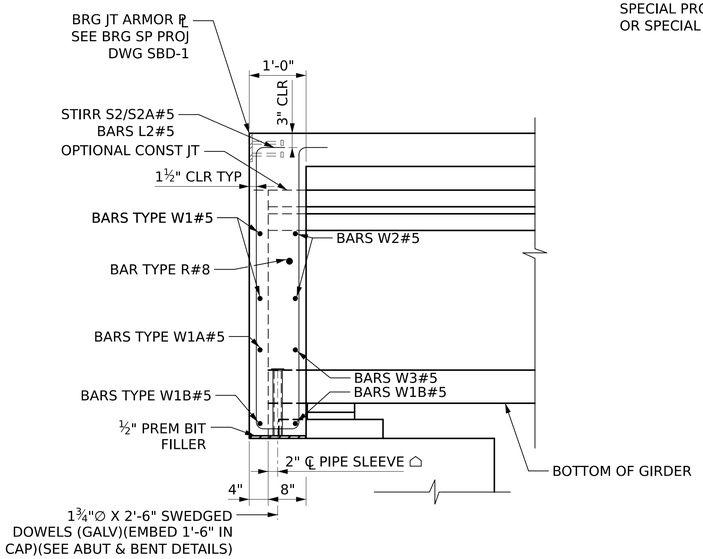
BRIDGE SHEET NO. 25 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 45 EDGE BEAM DETAILS (1)

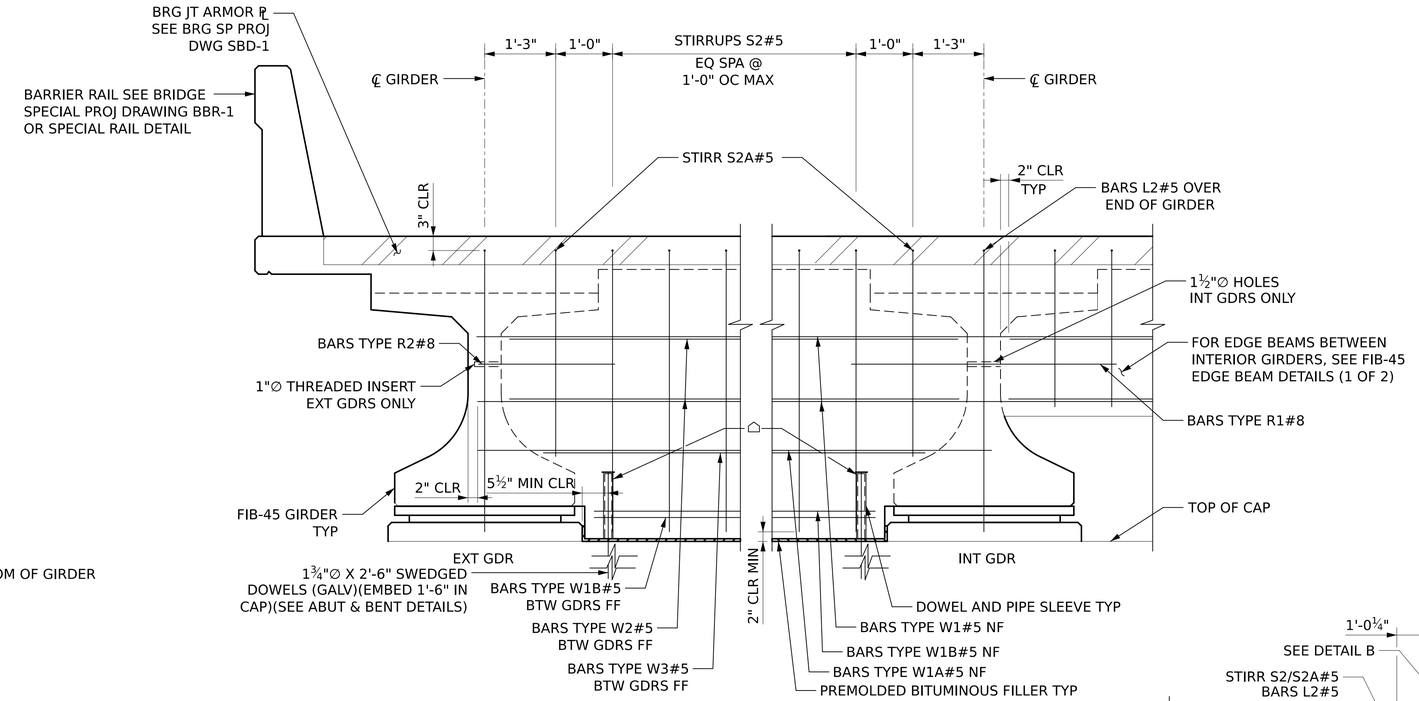
MRB-S01-BR-05025.dgn
cade.arras
9:20:26 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05026

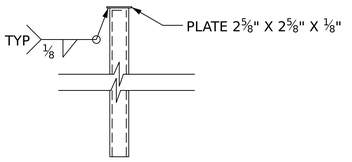
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



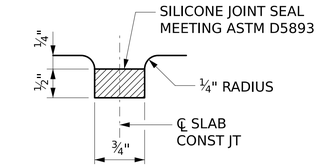
SECTION Y-Y
OPEN JOINT - FIXED
SCALE: ¾" = 1'-0"



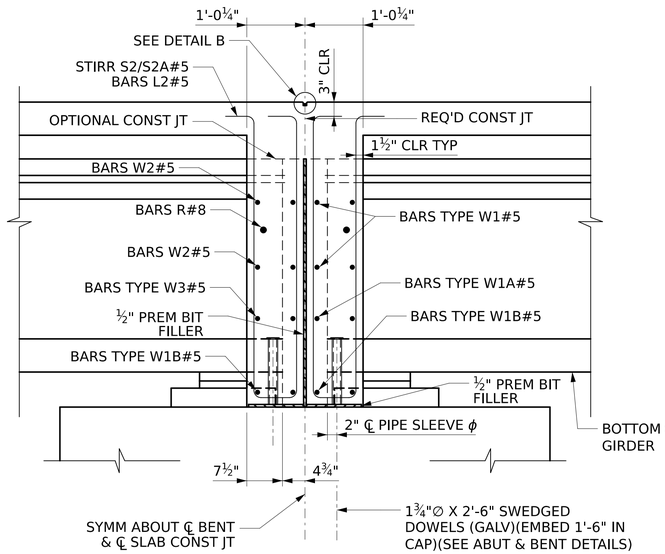
* EDGE BEAM @ OPEN JOINT ANY SKEW (FIXED)
SCALE: ¾" = 1'-0"



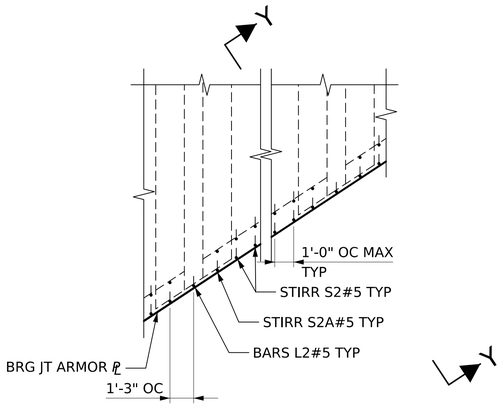
PIPE SLEEVE
NTS



DETAIL B
NTS

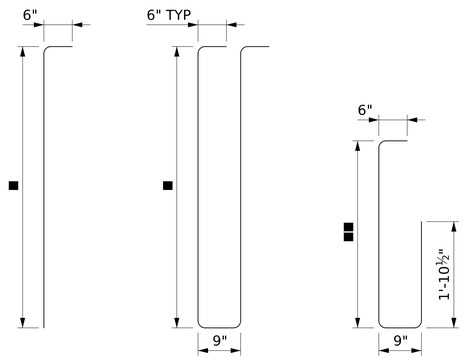


SECTION Y-Y
CLOSED JOINT - FIXED (IF SPECIFIED)
SCALE: ¾" = 1'-0"



PLAN - EDGE BEAM
@ FIXED JOINT ANY SKEW
SCALE: ¼" = 1'-0"

BAR R1#8 BAR R2#8



⊡ BAR L2#5 ⊡ STIRR S2#5 ⊡ STIRR S2A#5

■ = STRUCTURE DEPTH + PEDESTAL HEIGHT - 5"

■■ = VARIES MAINTAIN 3" CLR FROM FIB AND TOP OF DECK

STRUCTURE DEPTH = HEIGHT OF DECK, HAUNCH, BEAM, AND BEARING PAD

NOTES:

1. THE LAP SPLICE FOR BARS TYPE W1 #5 IS EQUAL TO 19" MINIMUM.
2. EXTEND DECK GROOVING TO WITHIN 6" OF JOINT.
3. ⌓ 2" NOMINAL DIA X 1'-2" STAINLESS STEEL PIPE SLEEVE.
4. ⊡ FOR DETAILS OF STIRR S2, STIRR S2A, AND BARS L2, SEE SPAN BILL OF REINFORCEMENT.
5. * FOR AMOUNT AND SPACING OF SLEEVES AND DOWELS, SEE ABUT OR BENT DETAILS.
6. THE 2⅝ X 2⅝" X ⅛" PLATE MAY BE REPLACED WITH A POLYETHYLENE CAP OR INSERT TO SEAL THE END OF THE PIPE SLEEVE. THE CAP OR PLUG SEAL SHALL BE SECURED TO THE PIPE SLEEVE PRIOR TO SHIPMENT BY WRAPPING WITH DUCT TAPE.
7. FOR EDGE BEAM AT CLOSED JOINTS (CONTINUOUS DECK): END VIEW AND PLAN SAME EXCEPT OMIT ARMOR PLATE. DO NOT COAT REQUIRED SLAB CONSTRUCTION JOINT WITH EPOXY ADHESIVE PRIOR TO NEXT POUR. STOP DECK GROOVING 6" MINIMUM FROM CLOSED JOINT.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

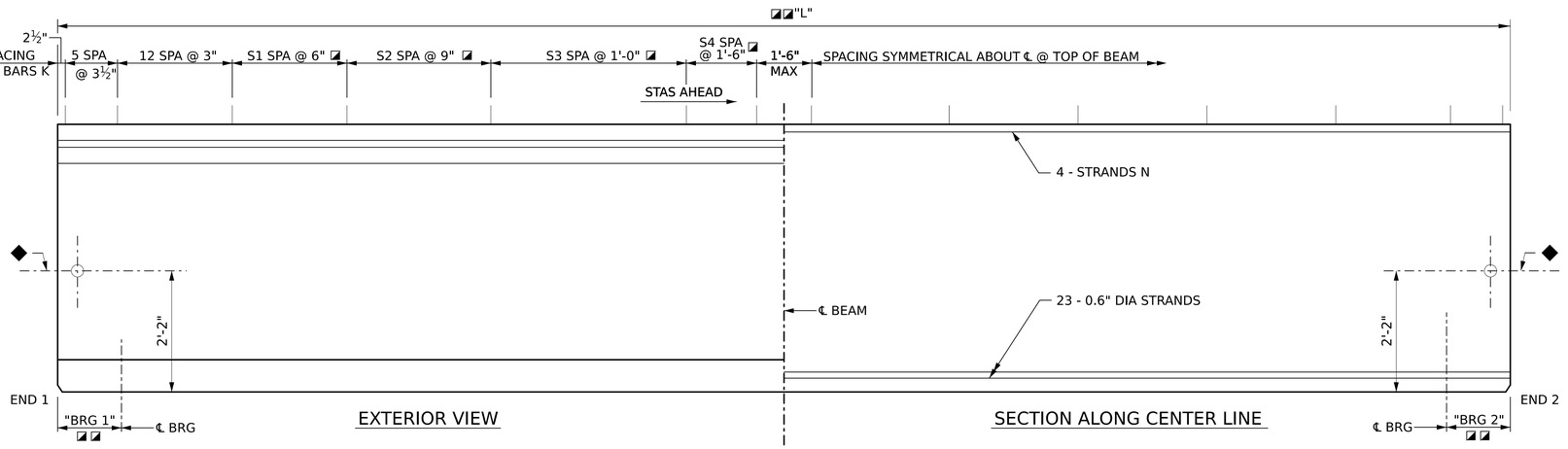
BRIDGE SHEET NO. 26 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 45 EDGE BEAM DETAILS (2)

MRB-S01-BR-05026.dgn
cade.arras
9:20:45 AM
6/26/2025

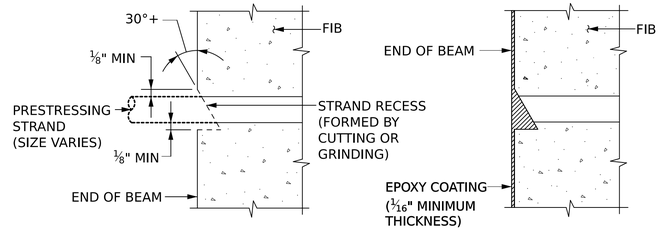
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05027

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



GIRDER ELEVATION (FIB-36)
NTS

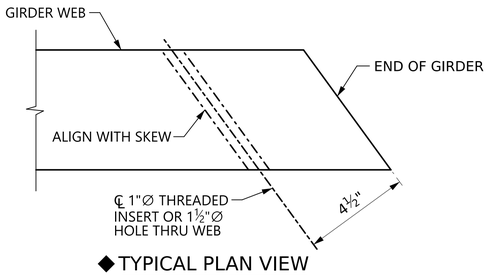
◆ ℄ OF 1½"∅ HOLE (INT GDRS) OR 1" ∅ THREADED INSERT (INSIDE FACE ONLY, EXT GDRS) FOR #8 BARS R.



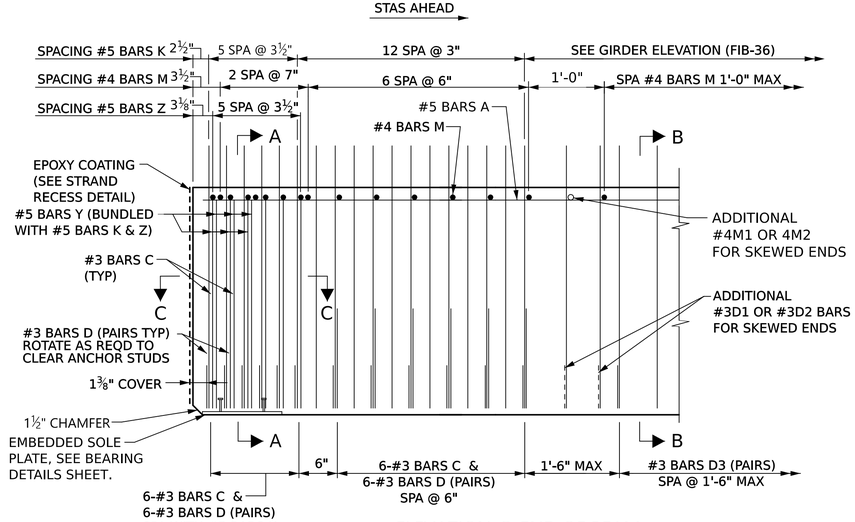
TYPICAL SECTION SHOWING RECESS LIMITS

TYPICAL SECTION AFTER EPOXY COATING

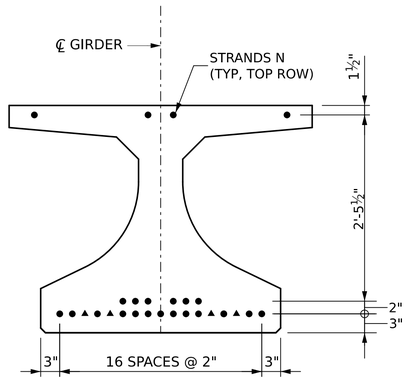
STRAND RECESS DETAILS
NTS



◆ TYPICAL PLAN VIEW
NTS



ELEVATION @ END OF BEAM
(END 1 SHOWN, END 2 SIMILAR)
(FLANGES NOT SHOWN FOR CLARITY)



STRAND PATTERN TYPE I

● DENOTES FULLY BONDED STRANDS
▲ DENOTES STRANDS UNBONDED 8.0'

NOTES:

◪◪ 1. FOR PRESTRESSED CONCRETE GIRDER SCHEDULE, SEE GIRDER SCHEDULE (1 OF 2) SHEET.
2. ALTERNATE BEAM TYPES AND STRAND PATTERNS ARE NOT ALLOWED.
3. PRESTRESSING STRANDS SHALL BE 0.6" DIAMETER, 7 WIRE, LOW RELAXATION STRANDS OF 270,000 PSI ULTIMATE TENSILE STRENGTH WITH AN INITIAL TENSION OF 43.95 K/STRAND UNLESS OTHERWISE NOTED.
4. STRANDS N SHALL BE ASTM A416, GRADE 270, 7 WIRE STRANDS ½" ∅ OR LARGER, STRESSED TO 10,000 LBS EACH.
5. INSERTS CAST IN TOP OF EXTERIOR BEAMS, FOR USE IN FORMING OVERHANGS, WILL BE CONSIDERED ON BEAM DETAILS SUBMITTED FOR APPROVAL.
6. SAFETY LINE ANCHORAGE DEVICES OR SLEEVES ARE REQUIRED AND PERMITTED IN THE TOP FLANGE ONLY TO ACCOMMODATE FALL PROTECTION SYSTEMS USED DURING CONSTRUCTION. THE BRIDGE ENGINEER WILL CONSIDER AN ALTERNATE OPTION SUBMITTED FOR APPROVAL. SEE SHOP DRAWINGS FOR DETAILS AND SPACING OF ANY REQUIRED EMBEDMENTS.
7. GIRDER ENDS SHALL BE VERTICAL IN FINAL ERECTED POSITION.
8. PLACE 1 BAR K OR Z AT EACH LOCATION AS DETAILED ALTERNATING THE DIRECTION OF THE ENDS FOR EACH BAR.
9. BARS K AND Z SHALL BE PLACED AND TIED TO THE FULLY BONDED STRANDS IN THE BOTTOM OR CENTER ROW. AT THE CONTRACTOR'S OPTION THE LENGTH OF THE BOTTOM LEGS OF BARS K AND Z MAY BE EXTENDED TO FACILITATE TYING TO THE EXTERIOR STRANDS.
10. UNLESS OTHERWISE NOTED, THE MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE 2".
11. AT THE CONTRACTOR'S OPTION, BARS D1, D2 AND D3 MAY BE FABRICATED AS A SINGLE BAR WITH A 1'-0" MINIMUM LAP SPLICE OF THE TOP LEGS, OR THE LENGTH OF THE BOTTOM LEGS MAY BE EXTENDED TO FACILITATE TYING TO THE EXTERIOR STRANDS.
12. THE GIRDER CONCRETE IN THE BEAMS SHALL HAVE A MINIMUM 6,800 PSI COMPRESSIVE STRENGTH PRIOR TO RECEIVING PRESTRESSED FORCE AND A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 8,500 PSI.
13. FOR BEARING PAD DETAILS, SEE BEARING DETAILS SHEET.
14. FOR SECTIONS A-A, B-B & C-C, SEE FIB-36 GIRDER DETAILS (2 OF 2) SHEET.
15. ALTERNATE GIRDER REINFORCEMENT UTILIZING WELDED WIRE FABRIC IN LIEU OF TIED REINFORCING IS ALLOWED FOR BARS C, BARS D, BARS M, BARS K AND BARS Z. THE EQUIVALENT AREA OF STEEL AND SPACING OF BARS SHALL BE MAINTAINED.
◪ 16. FOR NUMBER OF SPACES BARS K, SEE GIRDER SCHEDULE (2 OF 2) SHEET.
17. STRANDS SHOWN UNBONDED SHALL USE PLASTIC SHEATHS AROUND CABLES FOR THE DISTANCES SHOWN FROM THE ENDS OF THE GIRDERS.
18. CUT WEDGES AND RECESS PRESTRESSING STRANDS AT THE END OF THE BEAM WITHOUT DAMAGING THE SURROUNDING CONCRETE. PROTECT END OF WEDGED RECESSED STRANDS WITH AN APPROVED EPOXY COATING.
19. ON BEAMS WITH SKEWED END, THE DEBONDED LENGTH SHALL BE MEASURED ALONG ℄ OF BEAM FOR ALL DEBONDED STRANDS.
20. FOR PLACEMENT OF REINFORCEMENT IN BEAMS WITH SKEWED END CONDITIONS, SEE SKEWED GIRDER END DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

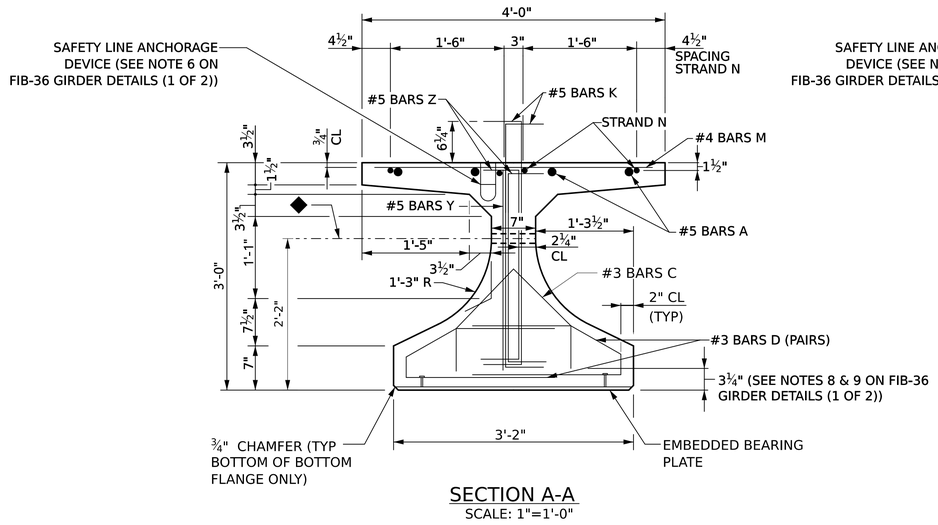
BRIDGE SHEET NO. 27 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 36 DETAILS (1)

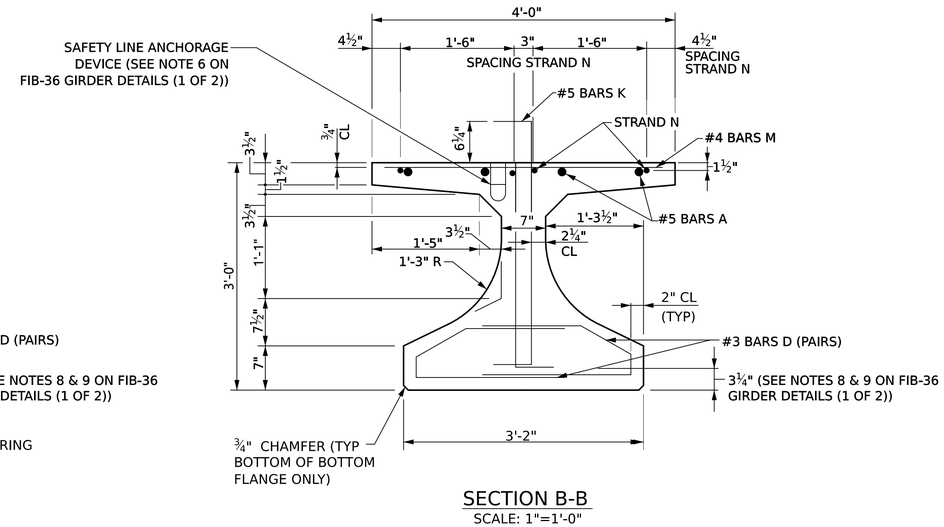
MRB-S01-BR-05027.dgn
cade.arras
9:21:05 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05028

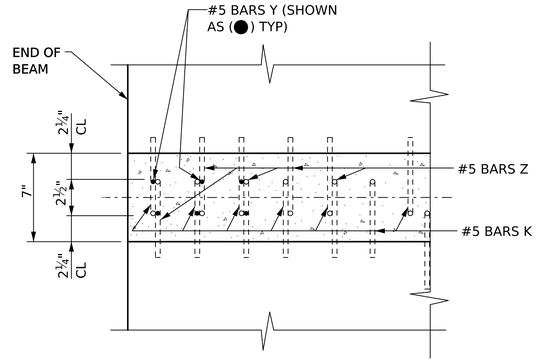
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



SECTION A-A
SCALE: 1"=1'-0"

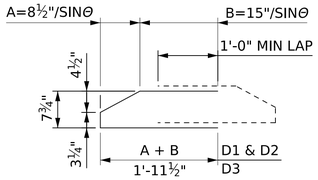


SECTION B-B
SCALE: 1"=1'-0"

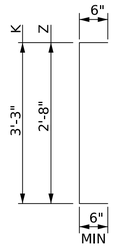


SECTION C-C
(SHOWING #5 BARS K, Y, & Z ONLY)

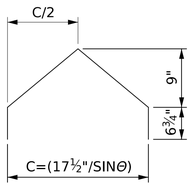
Θ = BEAM END ANGLES = 90° FOR BARS D3



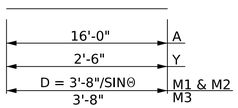
BARS D1, D2, & D3



BARS K & Z



BARS C1 & C2



BARS A, M1, M2, M3, & Y

BAR BENDING DIAGRAM

◆ ℄ OF 1½"∅ HOLE (INT GDRS) OR 1"∅ THREADED INSERT (INSIDE FACE ONLY, EXT GDRS) FOR #8 BARS R.

NOTES:

1. FOR PRESTRESSED CONCRETE GIRDER NOTES, SEE FIB-36 GIRDER DETAILS (1 OF 2) SHEET.
2. FOR LOCATIONS OF SECTION CUTS A-A, B-B, & C-C, SEE FIB-36 GIRDER DETAILS (1 OF 2) SHEET.

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

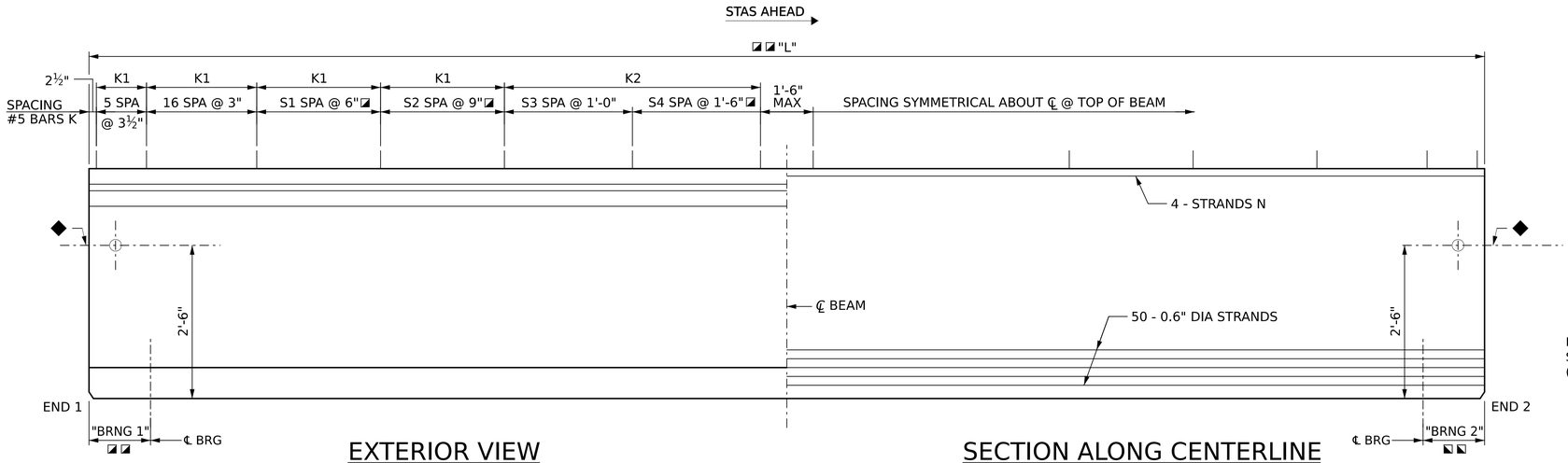
BRIDGE SHEET NO. 28 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 36 DETAILS (2)

MRB-S01-BR-05028.dgn
caryn.lott
3:29:23 PM
6/27/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05029

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

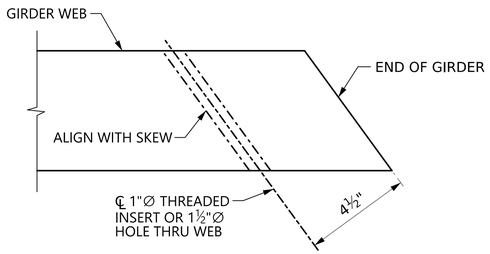


EXTERIOR VIEW

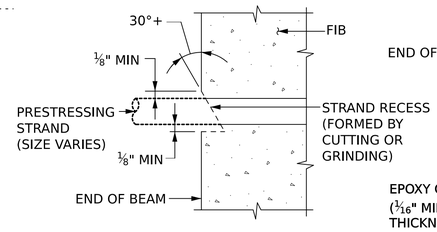
SECTION ALONG CENTERLINE

◆ ℄ OF 1½"∅ HOLE (INT GDRS) OR 1"∅ THREADED INSERT (INSIDE FACE ONLY, EXT GDRS) FOR #8 BARS R.

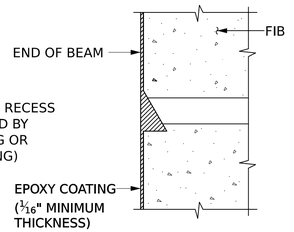
GIRDER ELEVATION (FIB-45)
NTS



◆ TYPICAL PLAN VIEW
NTS

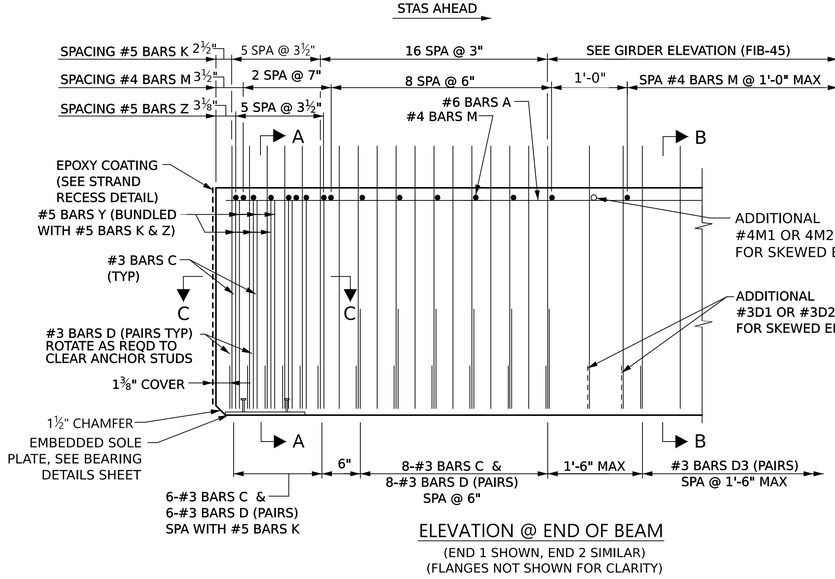


TYPICAL SECTION SHOWING RECESS LIMITS

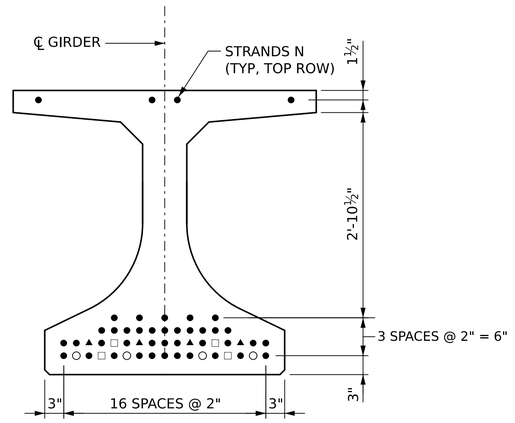


TYPICAL SECTION AFTER EPOXY COATING

STRAND RECESS DETAILS
NTS



ELEVATION @ END OF BEAM
(END 1 SHOWN, END 2 SIMILAR)
(FLANGES NOT SHOWN FOR CLARITY)



STRAND PATTERN TYPE II

- ● DENOTES FULLY BONDED STRANDS
- ○ DENOTES STRANDS UNBONDED 4.0'
- □ DENOTES STRANDS UNBONDED 8.0'
- ▲ DENOTES STRANDS UNBONDED 12.0'

NOTES:

◪◪ 1. FOR PRESTRESSED CONCRETE GIRDER SCHEDULE, SEE GIRDER SCHEDULE (1 OF 2) SHEET.
2. ALTERNATE BEAM TYPES AND STRAND PATTERNS ARE NOT ALLOWED.
3. PRESTRESSING STRANDS SHALL BE 0.6" DIAMETER, 7 WIRE, LOW RELAXATION STRANDS OF 270,000 PSI ULTIMATE TENSILE STRENGTH WITH AN INITIAL TENSION OF 43.95 K/STRAND UNLESS OTHERWISE NOTED.
4. STRANDS N SHALL BE ASTM A416, GRADE 270, 7 WIRE STRANDS ½" ∅ OR LARGER, STRESSED TO 10,000 LBS EACH.
5. INSERTS CAST IN TOP OF EXTERIOR BEAMS, FOR USE IN FORMING OVERHANGS, WILL BE CONSIDERED ON BEAM DETAILS SUBMITTED FOR APPROVAL.
6. SAFETY LINE ANCHORAGE DEVICES OR SLEEVES ARE REQUIRED AND PERMITTED IN THE TOP FLANGE ONLY TO ACCOMMODATE FALL PROTECTION SYSTEMS USED DURING CONSTRUCTION. THE BRIDGE ENGINEER WILL CONSIDER AN ALTERNATE OPTION SUBMITTED FOR APPROVAL. SEE SHOP DRAWINGS FOR DETAILS AND SPACING OF ANY REQUIRED EMBEDMENTS.
7. GIRDER ENDS SHALL BE VERTICAL IN FINAL ERECTED POSITION.
8. PLACE 1 BAR K OR Z AT EACH LOCATION AS DETAILED ALTERNATING THE DIRECTION OF THE ENDS FOR EACH BAR.
9. BARS K AND Z SHALL BE PLACED AND TIED TO THE FULLY BONDED STRANDS IN THE BOTTOM OR CENTER ROW. AT THE CONTRACTOR'S OPTION THE LENGTH OF THE BOTTOM LEGS OF BARS K AND Z MAY BE EXTENDED TO FACILITATE TYING TO THE EXTERIOR STRANDS.
10. UNLESS OTHERWISE NOTED, THE MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE 2".
11. AT THE CONTRACTOR'S OPTION, BARS D1, D2 AND D3 MAY BE FABRICATED AS A SINGLE BAR WITH A 1'-0" MINIMUM LAP SPLICE OF THE TOP LEGS, OR THE LENGTH OF THE BOTTOM LEGS MAY BE EXTENDED TO FACILITATE TYING TO THE EXTERIOR STRANDS.
12. THE GIRDER CONCRETE IN THE BEAMS SHALL HAVE A MINIMUM 6,800 PSI COMPRESSIVE STRENGTH PRIOR TO RECEIVING PRESTRESSED FORCE AND A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 8,500 PSI.
13. FOR BEARING PAD DETAILS, SEE BEARING DETAILS SHEET.
14. FOR SECTIONS A-A, B-B & C-C, SEE FIB-45 GIRDER DETAILS (2 OF 2) SHEET.
15. ALTERNATE GIRDER REINFORCEMENT UTILIZING WELDED WIRE FABRIC IN LIEU OF TIED REINFORCING IS ALLOWED FOR BARS C, BARS D, BARS M, BARS K AND BARS Z. THE EQUIVALENT AREA OF STEEL AND SPACING OF BARS SHALL BE MAINTAINED.
◪ 16. FOR NUMBER OF SPACES BARS K, SEE GIRDER SCHEDULE (2 OF 2) SHEET.
17. STRANDS SHOWN UNBONDED SHALL USE PLASTIC SHEATHS AROUND CABLES FOR THE DISTANCES SHOWN FROM THE ENDS OF THE GIRDERS.
18. CUT WEDGES AND RECESS PRESTRESSING STRANDS AT THE END OF THE BEAM WITHOUT DAMAGING THE SURROUNDING CONCRETE. PROTECT END OF WEDGED RECESSED STRANDS WITH AN APPROVED EPOXY COATING.
19. ON BEAMS WITH SKEWED END, THE DEBONDED LENGTH SHALL BE MEASURED ALONG ℄ OF BEAM FOR ALL DEBONDED STRANDS.
20. FOR PLACEMENT OF REINFORCEMENT IN BEAMS WITH SKEWED END CONDITIONS, SEE SKEWED GIRDER END DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

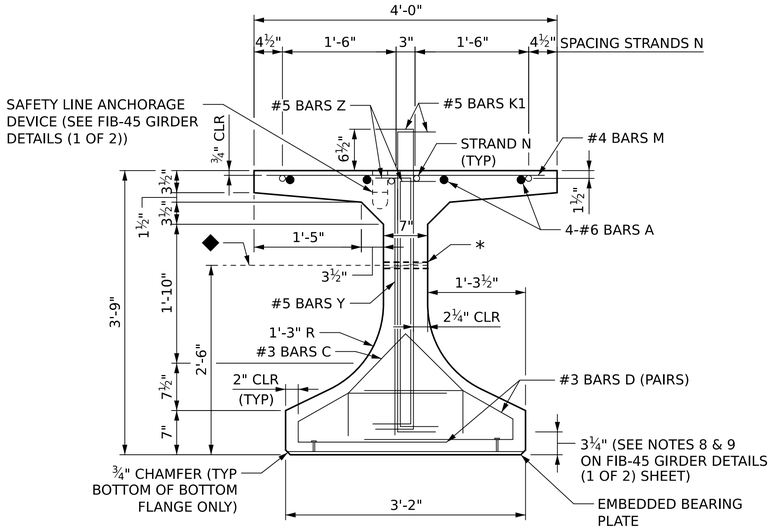
BRIDGE SHEET NO. 29 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 45 DETAILS (1)

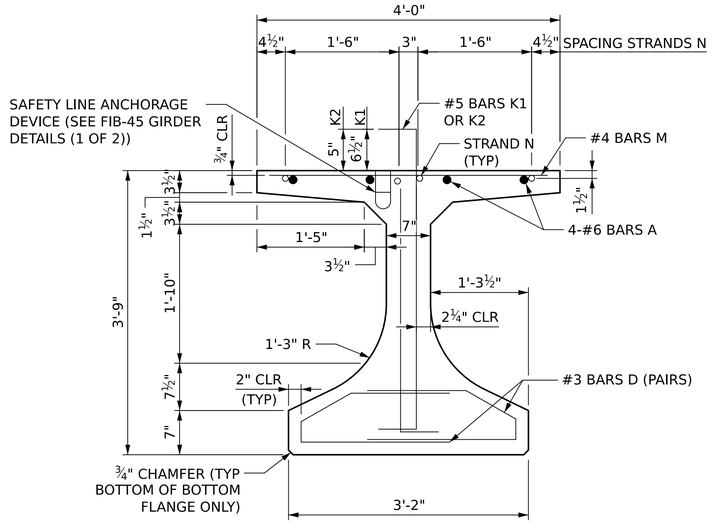
MRB-S01-BR-05029.dgn
cade.arras
9:21:48 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05030

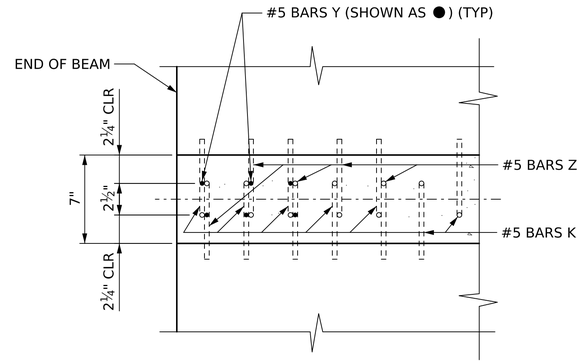
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



SECTION A-A
SCALE: 1" = 1'-0"

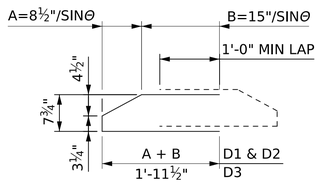


SECTION B-B
SCALE: 1" = 1'-0"

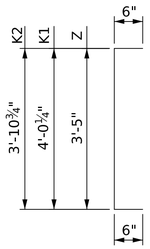


SECTION C-C
(SHOWING #5 BARS K, Y & Z ONLY)

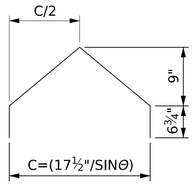
Θ = BEAM END ANGLES = 90° FOR BARS D3



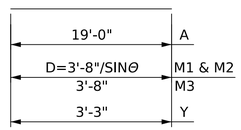
BARS D1, D2, & D3



BARS K & Z



BARS C1 & C2



BARS A, M1, M2, M3, & Y

BAR BENDING DIAGRAM
SCALE: 1" = 20'-0"

◆ ℄ OF 1½"∅ HOLE (INT GDRS) OR 1"∅ THREADED INSERT (INSIDE FACE ONLY, EXT GDRS) FOR #8 BARS R.

NOTES:

1. FOR PRESTRESSED CONCRETE GIRDER NOTES, SEE FIB-45 GIRDER DETAILS (1 OF 2) SHEET.
2. FOR LOCATIONS OF SECTION CUTS A-A, B-B, & C-C, SEE FIB-45 GIRDER DETAILS (1 OF 2) SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP — DATE
PE STAMP — DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

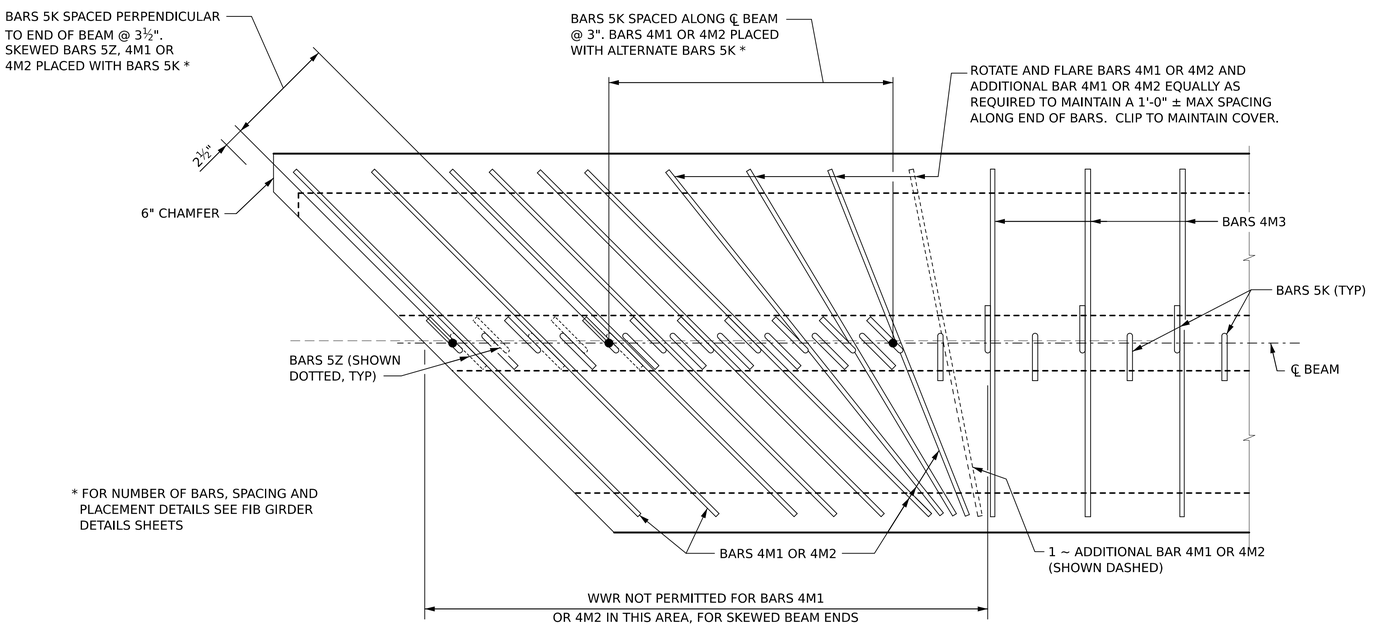
DESIGNER: SJR DATE:

BRIDGE SHEET NO. 30 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
FIB 45 DETAILS (2)

MRB-S01-BR-05030.dgn
cade.arras
9:22:05 AM
6/26/2025

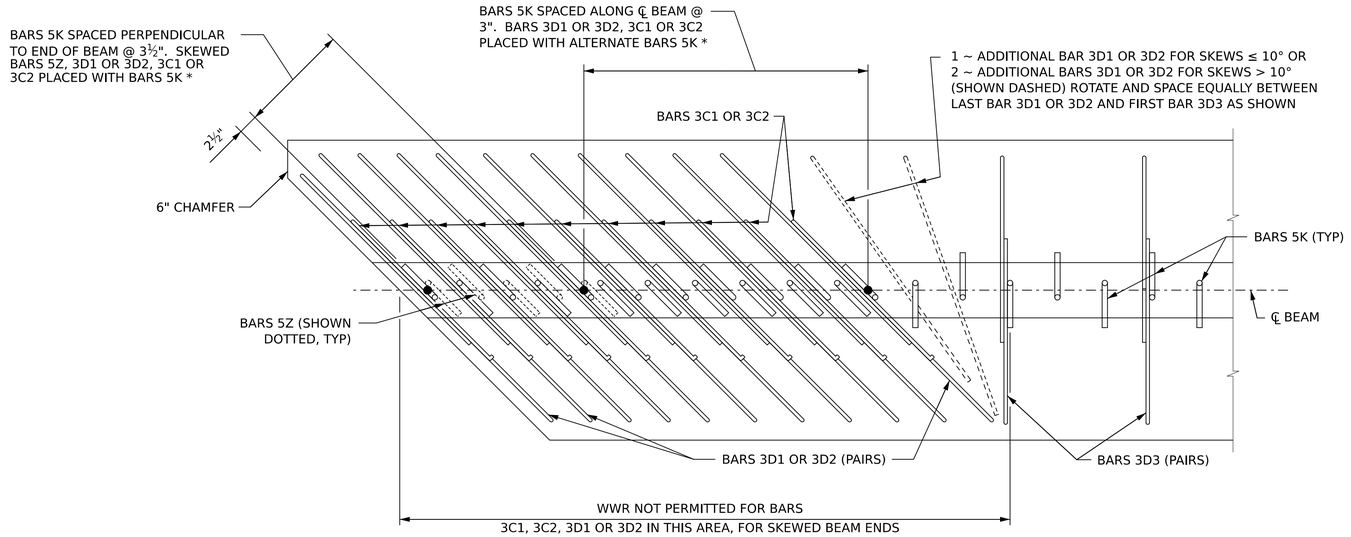
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05031



PARTIAL PLAN VIEW (SHOWING TOP FLANGE)

(END 1 SHOWN, END 2 SIMILAR)

(BARS 5A, 5Y & STRANDS N NOT SHOWN FOR CLARITY)



PARTIAL SECTION THRU WEB (SHOWING BOTTOM FLANGE)

(END 1 SHOWN, END 2 SIMILAR)

(BARS 5Y, STRANDS, AND EMBEDDED SOLE PLATE NOT SHOWN FOR CLARITY)

SKEWED BEAM END DETAILS FOR SKEWED GIRDER ENDS BRIDGES

(FIB 36 BEAM SHOWN, OTHERS SIMILAR)

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S): 021822 (WB) 021823 (EB)

COUNTY(S): MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 31 OF 63

SHEET TITLE: MOBILE RIVER BRIDGE I-10 WB & EB OVER VIRGINIA ST SKEWED GIRDER END DETAIL

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-05031.dgn
cade.arras
9:22:23 AM
6/26/2025

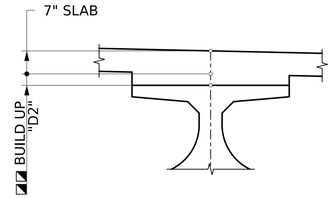
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05032

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 1" SHEET REFERENCE 2"

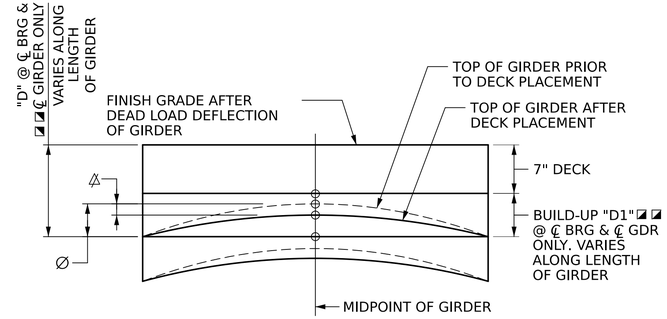
PRESTRESSED CONCRETE BEAM SCHEDULE

SPAN NO	BRIDGE	BEAM NO	BEAM LENGTH "L"	BEAM TYPE	PRESTRESSING STRANDS			STRAND PATTERN TYPE	f'ci (PSI)	BEARING DIMENSIONS		f'c (PSI)	BEAM END ANGLES		"D"	"D1"	"D2"	CAMBER	
					TOTAL	NO SHIELDED	NO DRAPED			BRG. 1	BRG 2		END 1	END 2				∅	◬
1	WBL	1 THRU 9	42'-11 1/8"	FIB 36	27	4	0	I	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	10 1/2"	3 1/2"	2 7/8"	3/4"	1/8"
	EBL	1 THRU 6	42'-11 1/8"	FIB 36	27	4	0	I	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	10 1/2"	3 1/2"	2 7/8"	3/4"	1/8"
	EBL	7	43'-8 7/8"	FIB 36	27	4	0	I	6800	1'-5 3/8"	1'-5 3/8"	8500	61° 08' 00"	61° 08' 00"	10 1/2"	3 1/2"	2 3/4"	3/4"	1/8"
	EBL	8 & 9	44'-7 1/4"	FIB 36	27	4	0	I	6800	1'-5 3/4"	1'-5 3/4"	8500	59° 10' 18"	59° 10' 18"	10 1/2"	3 1/2"	2 3/4"	7/8"	1/8"
2	WBL	1	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	1 3/4"	4 3/4"	1 3/4"
	WBL	2	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	1 7/8"	4 3/4"	1 7/8"
	WBL	3	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	WBL	4	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	WBL	5	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	WBL	6	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	WBL	7	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	WBL	8	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	WBL	9	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	1 7/8"	4 3/4"	1 7/8"
	WBL	10	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	1 7/8"	4 3/4"	1 7/8"
	EBL	1	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	1 7/8"	4 3/4"	1 7/8"
	EBL	2	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	1 7/8"	4 3/4"	1 7/8"
	EBL	3	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	EBL	4	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	EBL	5	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	EBL	6	109'-1 3/8"	FIB 45	54	12	0	II	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	11 1/2"	4 1/2"	2"	4 3/4"	2"
	EBL	7	110'-1 5/8"	FIB 45	54	12	0	II	6800	1'-5 1/4"	1'-5 1/4"	8500	62° 08' 22"	62° 08' 22"	11 1/2"	4 1/2"	2"	4 3/4"	2"
	EBL	8	111'-2 1/4"	FIB 45	54	12	0	II	6800	1'-5 3/8"	1'-5 3/8"	8500	61° 07' 36"	61° 07' 36"	11 1/2"	4 1/2"	2"	4 3/4"	2 1/8"
	EBL	9	112'-3 1/4"	FIB 45	54	12	0	II	6800	1'-5 5/8"	1'-5 5/8"	8500	60° 08' 19"	60° 08' 19"	11 1/2"	4 1/2"	2 1/8"	4 3/4"	2 1/8"
	EBL	10	113'-4 5/8"	FIB 45	54	12	0	II	6800	1'-5 3/4"	1'-5 3/4"	8500	59° 10' 18"	59° 10' 18"	11 1/2"	4 1/2"	2"	4 3/4"	2"
	EBL	11	113'-4 5/8"	FIB 45	54	12	0	II	6800	1'-5 3/4"	1'-5 3/4"	8500	59° 10' 18"	59° 10' 18"	11 1/2"	4 1/2"	2"	4 3/4"	2"
3	WBL	1 THRU 9	42'-11 1/8"	FIB 36	27	4	0	I	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	10 1/2"	3 1/2"	2 7/8"	3/4"	1/8"
	EBL	1	42'-11 1/8"	FIB 36	27	4	0	I	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	10 1/2"	3 1/2"	2 3/4"	3/4"	1/8"
	EBL	2 THRU 7	42'-11 1/8"	FIB 36	27	4	0	I	6800	1'-5 1/8"	1'-5 1/8"	8500	63° 10' 18"	63° 10' 18"	10 1/2"	3 1/2"	2 7/8"	3/4"	1/8"
	EBL	8	43'-8 7/8"	FIB 36	27	4	0	I	6800	1'-5 3/8"	1'-5 3/8"	8500	61° 08' 00"	61° 08' 00"	10 1/2"	3 1/2"	2 3/4"	7/8"	1/8"
	EBL	9 & 10	44'-7 1/4"	FIB 36	27	4	0	I	6800	1'-5 3/4"	1'-5 3/4"	8500	59° 10' 18"	59° 10' 18"	10 1/2"	3 1/2"	2 3/4"	7/8"	1/8"



TYPICAL SECTION AT MIDSPAN

NTS



DETAIL OF BUILD UP BETWEEN BOTTOM OF DECK AND TOP OF GIRDER (ALONG ℄ GIRDER)

NTS

∅ REPRESENTS THE EXPECTED CAMBER (UPWARD DEFLECTION DUE TO PRESTRESS) USED FOR STATE DESIGN PURPOSES AND IS SHOWN HERE FOR INFORMATION ONLY. AFTER ERECTING GIRDERS AND PRIOR TO ORDERING MATERIAL AND SETTING FORMS, THE CONTRACTOR SHALL PROFILE GIRDERS TO DETERMINE THE IN-PLACE CAMBER. THE MEASURED CAMBER ORDINATES OBTAINED FROM PROFILING THE GIRDERS SHALL BE USED IN CALCULATIONS TO PROPERLY SET FORMS. SEE ◪◪ PRESTRESSED CONCRETE BEAM SCHEDULE FOR EXPECTED CAMBER.

◬ REPRESENTS ANTICIPATED DOWNWARD DEFLECTION DUE TO WEIGHT OF DECK (INCLUDES WEIGHT OF STAY-IN-PLACE FORMS). SEE ◪◪ PRESTRESSED CONCRETE BEAM SCHEDULE FOR ANTICIPATED DOWNWARD DEFLECTION

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 32 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
GIRDER SCHEDULE (1)

MRB-S01-BR-05032.dgn
cade.arras
9:22:40 AM
6/26/2025

◪ PRESTRESSED CONCRETE FIB BEAM REINFORCING

SPAN NO	BRIDGE	BEAM NO	BARS C1	BARS C2	BARS D1		BARS D2		BARS D3	BARS M1	BARS M2	BARS M3	BARS K	NO OF SPACES BARS K			
			C	C	A	B	A	B	NO	D	D	NO	NO	S1	S2	S3	S4
1	WBL	1 THRU 9	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	22	4'-1 1/4"	4'-1 1/4"	33	32	2	2	2	8
	EBL	1 THRU 6	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	22	4'-1 1/4"	4'-1 1/4"	33	32	2	2	2	8
	EBL	7	1'-8"	1'-8"	9 3/4"	1'-5 1/8"	9 3/4"	1'-5 1/8"	22	4'-2 1/4"	4'-2 1/4"	34	32	2	2	2	8
	EBL	8 & 9	1'-8 3/8"	1'-8 3/8"	9 7/8"	1'-5 1/2"	9 7/8"	1'-5 1/2"	23	4'-3 1/4"	4'-3 1/4"	35	33	2	2	3	8
2	WBL	1	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	2	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	3	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	4	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	5	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	6	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	7	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	8	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	9	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	WBL	10	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	1	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	2	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	3	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	4	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	5	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	6	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	65	4'-1 1/4"	4'-1 1/4"	97	74	13	14	12	13
	EBL	7	1'-7 3/4"	1'-7 3/4"	9 5/8"	1'-5"	9 5/8"	1'-5"	65	4'-1 3/4"	4'-1 3/4"	98	75	13	15	12	13
	EBL	8	1'-8"	1'-8"	9 3/4"	1'-5 1/8"	9 3/4"	1'-5 1/8"	66	4'-2 1/4"	4'-2 1/4"	99	76	13	17	11	13
	EBL	9	1'-8 1/8"	1'-8 1/8"	9 3/4"	1'-5 1/4"	9 3/4"	1'-5 1/4"	67	4'-2 3/4"	4'-2 3/4"	100	76	13	17	11	13
	EBL	10	1'-8 3/8"	1'-8 3/8"	9 7/8"	1'-5 1/2"	9 7/8"	1'-5 1/2"	68	4'-3 1/4"	4'-3 1/4"	102	77	13	17	12	13
	EBL	11	1'-8 3/8"	1'-8 3/8"	9 7/8"	1'-5 1/2"	9 7/8"	1'-5 1/2"	68	4'-3 1/4"	4'-3 1/4"	102	77	13	17	12	13
3	WBL	1 THRU 9	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	22	4'-1 1/4"	4'-1 1/4"	33	32	2	2	2	8
	EBL	1 THRU 7	1'-7 5/8"	1'-7 5/8"	9 1/2"	1'-4 3/4"	9 1/2"	1'-4 3/4"	22	4'-1 1/4"	4'-1 1/4"	33	32	2	2	2	8
	EBL	8	1'-8"	1'-8"	9 3/4"	1'-5 1/8"	9 3/4"	1'-5 1/8"	22	4'-2 1/4"	4'-2 1/4"	34	32	2	2	2	8
	EBL	9 & 10	1'-8 3/8"	1'-8 3/8"	9 7/8"	1'-5 1/2"	9 7/8"	1'-5 1/2"	23	4'-3 1/4"	4'-3 1/4"	35	33	2	2	3	8

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05034

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

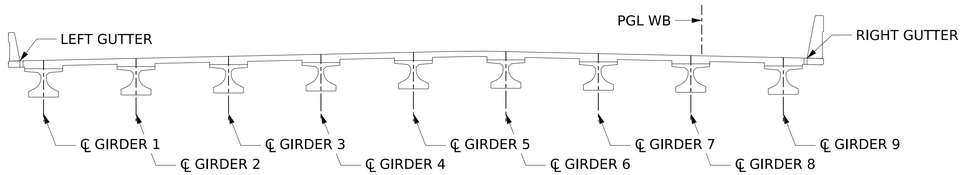
2" 1" 0 SHEET REFERENCE

DECK ELEVATION AT TENTH POINT LOCATIONS												
BEAM	SPAN 1 WESTBOUND											
	**ABUT 1	*ABUT 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 2
LT GUTTER W	32.460	32.465	32.470	32.475	32.480	32.484	32.488	32.493	32.497	32.500	32.504	32.507
GIRDER 1W	32.517	32.521	32.526	32.531	32.536	32.541	32.545	32.549	32.553	32.556	32.560	32.563
GIRDER 2W	32.738	32.742	32.747	32.752	32.756	32.761	32.765	32.768	32.772	32.776	32.779	32.782
GIRDER 3W	32.959	32.963	32.968	32.972	32.976	32.980	32.984	32.988	32.991	32.994	32.997	33.000
GIRDER 4W	33.180	33.184	33.188	33.192	33.196	33.200	33.203	33.207	33.210	33.213	33.215	33.218
GIRDER 5W	33.400	33.404	33.408	33.412	33.415	33.419	33.422	33.425	33.428	33.431	33.433	33.435
GIRDER 6W	33.475	33.478	33.481	33.485	33.489	33.492	33.495	33.498	33.500	33.503	33.505	33.507
GIRDER 7W	33.265	33.268	33.271	33.275	33.278	33.281	33.283	33.286	33.288	33.290	33.292	33.294
GIRDER 8W	33.054	33.057	33.061	33.064	33.067	33.069	33.072	33.074	33.076	33.078	33.080	33.081
PGL WB	33.030	33.032	33.035	33.039	33.041	33.044	33.047	33.049	33.051	33.053	33.054	33.056
GIRDER 9W	32.844	32.846	32.850	32.852	32.855	32.858	32.860	32.862	32.864	32.865	32.867	32.868
RT GUTTER W	32.790	32.792	32.795	32.798	32.800	32.803	32.805	32.807	32.809	32.810	32.812	32.813

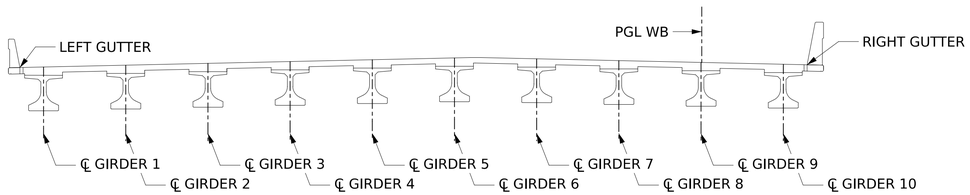
DECK ELEVATION AT TWENTIETH POINT LOCATIONS																						
BEAM	SPAN 2 WESTBOUND																					
	*BENT 2	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	*BENT 3
LT GUTTER W	32.510	32.514	32.517	32.521	32.523	32.526	32.528	32.529	32.530	32.531	32.532	32.532	32.532	32.531	32.530	32.529	32.527	32.525	32.523	32.520	32.517
GIRDER 1W	32.566	32.570	32.573	32.576	32.579	32.581	32.583	32.585	32.586	32.587	32.587	32.587	32.587	32.586	32.585	32.584	32.582	32.580	32.577	32.574	32.571
GIRDER 2W	32.723	32.726	32.729	32.732	32.734	32.736	32.738	32.739	32.740	32.741	32.741	32.741	32.740	32.739	32.738	32.736	32.734	32.732	32.729	32.726	32.723
GIRDER 3W	32.927	32.930	32.933	32.936	32.938	32.939	32.941	32.942	32.942	32.943	32.942	32.942	32.941	32.940	32.938	32.936	32.934	32.931	32.928	32.925	32.921
GIRDER 4W	33.131	33.134	33.137	33.139	33.141	33.142	33.143	33.144	33.144	33.144	33.143	33.143	33.141	33.140	33.138	33.136	33.133	33.130	33.127	33.123	33.119
GIRDER 5W	33.335	33.338	33.340	33.342	33.343	33.344	33.345	33.345	33.345	33.345	33.344	33.343	33.342	33.340	33.337	33.335	33.332	33.329	33.325	33.321	33.316
GIRDER 6W	33.539	33.541	33.543	33.545	33.546	33.547	33.547	33.547	33.547	33.546	33.545	33.543	33.541	33.539	33.537	33.534	33.530	33.527	33.523	33.518	33.514
GIRDER 7W	33.422	33.424	33.425	33.426	33.427	33.428	33.428	33.427	33.427	33.426	33.424	33.422	33.420	33.418	33.415	33.412	33.408	33.404	33.400	33.395	33.390
GIRDER 8W	33.222	33.224	33.225	33.226	33.226	33.226	33.226	33.225	33.224	33.223	33.221	33.219	33.217	33.214	33.211	33.207	33.203	33.199	33.194	33.189	33.184
PGL WB	33.057	33.058	33.059	33.060	33.060	33.060	33.059	33.058	33.057	33.056	33.054	33.051	33.048	33.045	33.042	33.038	33.034	33.029	33.024	33.019	33.013
GIRDER 9W	33.022	33.023	33.024	33.025	33.025	33.025	33.024	33.023	33.022	33.020	33.018	33.016	33.013	33.010	33.006	33.002	32.998	32.993	32.988	32.983	32.977
GIRDER 10W	32.869	32.870	32.870	32.871	32.871	32.870	32.869	32.868	32.867	32.865	32.862	32.860	32.857	32.853	32.850	32.845	32.841	32.836	32.831	32.825	32.819
RT GUTTER W	32.814	32.815	32.815	32.815	32.815	32.815	32.814	32.812	32.811	32.809	32.806	32.804	32.800	32.797	32.793	32.789	32.784	32.779	32.774	32.768	32.762

DECK ELEVATION AT TENTH POINT LOCATIONS												
BEAM	SPAN 3 WESTBOUND											
	*BENT 3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*ABUT 4	**ABUT 4
LT GUTTER W	32.514	32.512	32.509	32.505	32.502	32.498	32.494	32.490	32.486	32.482	32.477	32.473
GIRDER 1W	32.569	32.566	32.563	32.559	32.556	32.552	32.548	32.544	32.540	32.535	32.530	32.527
GIRDER 2W	32.780	32.777	32.773	32.770	32.766	32.762	32.758	32.753	32.749	32.744	32.739	32.735
GIRDER 3W	32.991	32.987	32.984	32.980	32.976	32.972	32.967	32.963	32.958	32.953	32.947	32.943
GIRDER 4W	33.201	33.198	33.194	33.190	33.185	33.181	33.176	33.171	33.166	33.161	33.155	33.151
GIRDER 5W	33.412	33.408	33.404	33.399	33.395	33.390	33.385	33.380	33.374	33.369	33.363	33.358
GIRDER 6W	33.476	33.471	33.467	33.462	33.458	33.453	33.447	33.442	33.436	33.431	33.425	33.420
GIRDER 7W	33.256	33.251	33.247	33.242	33.237	33.231	33.226	33.220	33.214	33.208	33.202	33.197
GIRDER 8W	33.035	33.031	33.026	33.021	33.015	33.010	33.004	32.998	32.992	32.986	32.979	32.974
PGL WB	33.009	33.005	33.000	32.994	32.989	32.984	32.978	32.972	32.966	32.959	32.953	32.948
GIRDER 9W	32.815	32.810	32.805	32.799	32.794	32.788	32.782	32.776	32.769	32.763	32.756	32.751
RT GUTTER W	32.757	32.752	32.746	32.741	32.735	32.729	32.723	32.717	32.710	32.704	32.698	32.693

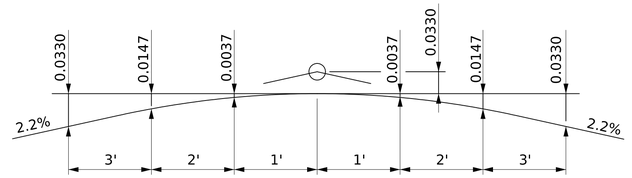
** MEASURED AT ℄ BEAM AND BACKFACE
* MEASURED AT ℄ BEAM AND ℄ BEARING



TYPICAL SECTION - WESTBOUND SPAN 1 & 3



TYPICAL SECTION - WESTBOUND SPAN 2



6' PARABOLIC CROWN ORDINATES WITH 2.2% SIDE SLOPE

NTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 34 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
DECK ELEVATIONS (1 OF 2)

MRB-S01-BR-05034.dgn
cade.arras
9:23:18 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05035

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

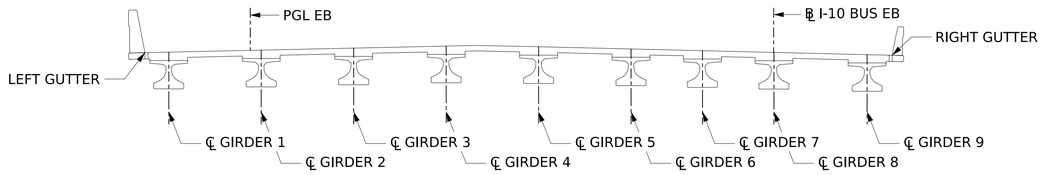
2" 1" 0 SHEET REFERENCE

DECK ELEVATION AT TENTH POINT LOCATIONS												
BEAM	SPAN 1 EASTBOUND											
	**ABUT 1	*ABUT 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 2
LT GUTTER E	32.791	32.794	32.797	32.799	32.802	32.804	32.806	32.808	32.810	32.811	32.812	32.813
GIRDER 1E	32.848	32.850	32.853	32.856	32.858	32.860	32.862	32.864	32.866	32.867	32.868	32.869
PGL EB	33.040	33.043	33.045	33.048	33.050	33.052	33.053	33.055	33.056	33.057	33.058	33.059
GIRDER 2E	33.066	33.068	33.071	33.073	33.075	33.077	33.079	33.081	33.082	33.083	33.084	33.085
GIRDER 3E	33.284	33.286	33.289	33.291	33.293	33.294	33.296	33.297	33.298	33.299	33.300	33.300
GIRDER 4E	33.502	33.504	33.506	33.508	33.509	33.511	33.512	33.513	33.514	33.515	33.515	33.515
GIRDER 5E	33.436	33.438	33.439	33.441	33.442	33.443	33.444	33.445	33.446	33.446	33.446	33.446
GIRDER 6E	33.215	33.216	33.218	33.219	33.220	33.221	33.222	33.223	33.223	33.223	33.223	33.223
GIRDER 7E	33.036	33.034	33.032	33.030	33.027	33.024	33.021	33.018	33.015	33.011	33.007	33.003
BL I-10 BUS EB	32.857	32.853	32.847	32.841	32.835	32.828	32.821	32.815	32.807	32.800	32.792	32.785
GIRDER 8E	32.856	32.852	32.846	32.840	32.834	32.827	32.821	32.814	32.807	32.799	32.792	32.784
GIRDER 9E	32.622	32.617	32.611	32.605	32.598	32.591	32.585	32.577	32.570	32.562	32.554	32.546
RT GUTTER E	32.560	32.555	32.549	32.543	32.536	32.529	32.522	32.515	32.507	32.500	32.492	32.484

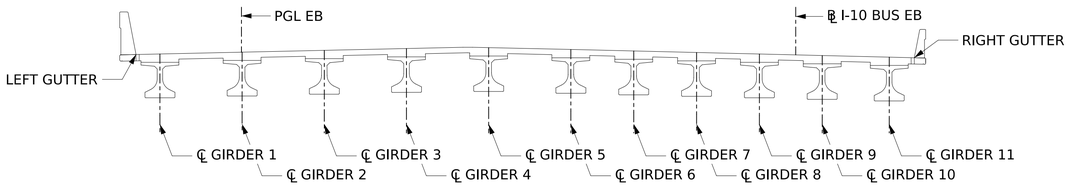
DECK ELEVATION AT TWENTIETH POINT LOCATIONS																						
BEAM	SPAN 2 EASTBOUND																					
	*BENT 2	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	*BENT 3
LT GUTTER E	32.814	32.815	32.815	32.815	32.815	32.814	32.813	32.812	32.810	32.808	32.805	32.802	32.799	32.795	32.791	32.787	32.782	32.777	32.772	32.766	32.760
GIRDER 1E	32.870	32.870	32.871	32.871	32.870	32.869	32.868	32.867	32.865	32.863	32.860	32.857	32.854	32.850	32.846	32.841	32.837	32.831	32.826	32.820	32.814
GIRDER 2E	33.024	33.025	33.025	33.024	33.024	33.023	33.021	33.020	33.017	33.015	33.012	33.009	33.005	33.001	32.997	32.992	32.987	32.982	32.976	32.970	32.963
PGL EB	33.060	33.060	33.060	33.060	33.059	33.058	33.056	33.055	33.052	33.050	33.047	33.044	33.040	33.036	33.031	33.027	33.022	33.016	33.010	33.004	32.997
GIRDER 3E	33.223	33.223	33.223	33.222	33.221	33.220	33.218	33.216	33.213	33.210	33.207	33.204	33.200	33.196	33.191	33.186	33.180	33.175	33.169	33.162	33.155
GIRDER 4E	33.421	33.421	33.420	33.419	33.418	33.416	33.414	33.412	33.409	33.406	33.402	33.398	33.394	33.390	33.385	33.379	33.374	33.367	33.361	33.354	33.347
GIRDER 5E	33.557	33.557	33.556	33.555	33.553	33.551	33.549	33.546	33.543	33.539	33.536	33.531	33.527	33.522	33.517	33.511	33.505	33.499	33.492	33.485	33.477
GIRDER 6E	33.359	33.358	33.357	33.355	33.353	33.351	33.348	33.345	33.342	33.338	33.334	33.329	33.325	33.319	33.314	33.308	33.301	33.295	33.288	33.280	33.272
GIRDER 7E	33.193	33.189	33.185	33.181	33.177	33.172	33.167	33.161	33.155	33.149	33.142	33.135	33.127	33.119	33.111	33.102	33.093	33.084	33.074	33.064	33.054
GIRDER 8E	33.023	33.017	33.011	33.004	32.997	32.989	32.982	32.973	32.965	32.956	32.946	32.936	32.926	32.916	32.905	32.893	32.882	32.870	32.857	32.844	32.831
GIRDER 9E	32.854	32.845	32.836	32.827	32.817	32.807	32.796	32.785	32.774	32.763	32.751	32.738	32.725	32.712	32.698	32.684	32.670	32.655	32.640	32.625	32.609
BL I-10 BUS EB	32.777	32.766	32.755	32.743	32.731	32.718	32.705	32.692	32.678	32.664	32.649	32.635	32.619	32.603	32.587	32.571	32.554	32.537	32.519	32.501	32.482
GIRDER 10E	32.684	32.673	32.661	32.649	32.637	32.624	32.611	32.598	32.584	32.569	32.555	32.540	32.524	32.508	32.492	32.475	32.458	32.441	32.423	32.405	32.386
GIRDER 11E	32.539	32.527	32.516	32.503	32.491	32.478	32.465	32.451	32.437	32.422	32.407	32.392	32.376	32.360	32.344	32.327	32.310	32.292	32.274	32.256	32.237
RT GUTTER E	32.476	32.464	32.453	32.440	32.428	32.415	32.401	32.387	32.373	32.359	32.344	32.328	32.312	32.296	32.280	32.263	32.245	32.228	32.209	32.191	32.172

DECK ELEVATION AT TENTH POINT LOCATIONS												
BEAM	SPAN 3 EASTBOUND											
	*BENT 3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*ABUT 4	**ABUT 4
LT GUTTER E	32.755	32.750	32.745	32.739	32.733	32.727	32.721	32.715	32.708	32.701	32.694	32.689
GIRDER 1E	32.809	32.804	32.798	32.793	32.787	32.781	32.775	32.768	32.761	32.755	32.748	32.742
PGL EB	32.992	32.987	32.981	32.976	32.970	32.963	32.957	32.950	32.943	32.936	32.929	32.923
GIRDER 2E	33.017	33.012	33.006	33.000	32.994	32.988	32.981	32.975	32.968	32.961	32.953	32.948
GIRDER 3E	33.225	33.220	33.214	33.208	33.201	33.195	33.188	33.181	33.174	33.166	33.159	33.153
GIRDER 4E	33.433	33.427	33.421	33.414	33.408	33.401	33.394	33.387	33.379	33.372	33.364	33.358
GIRDER 5E	33.357	33.350	33.344	33.337	33.331	33.323	33.316	33.309	33.301	33.293	33.285	33.279
GIRDER 6E	33.126	33.119	33.113	33.106	33.099	33.091	33.084	33.076	33.068	33.060	33.052	33.045
GIRDER 7E	32.883	32.877	32.870	32.863	32.855	32.848	32.840	32.832	32.824	32.815	32.807	32.800
GIRDER 8E	32.676	32.665	32.655	32.644	32.632	32.621	32.609	32.597	32.585	32.573	32.561	32.551
BL I-10 BUS EB	32.469	32.455	32.440	32.425	32.410	32.395	32.379	32.363	32.348	32.331	32.315	32.302
GIRDER 9E	32.468	32.454	32.439	32.424	32.409	32.394	32.378	32.363	32.347	32.330	32.314	32.301
GIRDER 10E	32.223	32.209	32.194	32.178	32.163	32.148	32.132	32.116	32.099	32.083	32.066	32.053
RT GUTTER E	32.158	32.144	32.129	32.113	32.098	32.082	32.067	32.050	32.034	32.018	32.001	31.988

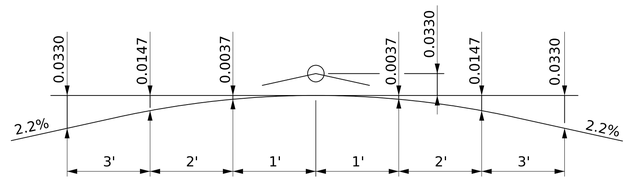
** MEASURED AT ℄ BEAM AND BACKFACE
* MEASURED AT ℄ BEAM AND ℄ BEARING



TYPICAL SECTION - EASTBOUND SPAN 1 & 3



TYPICAL SECTION - EASTBOUND SPAN 2



6' PARABOLIC CROWN ORDINATES WITH 2.2% SIDE SLOPE

NTS

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 35 OF 63

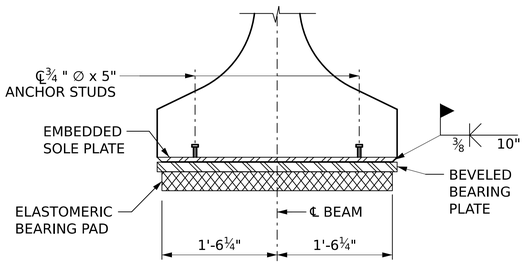
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
DECK ELEVATIONS (2 OF 2)

MRB-S01-BR-05035.dgn
cade.arras
9:23:38 AM
6/26/2025

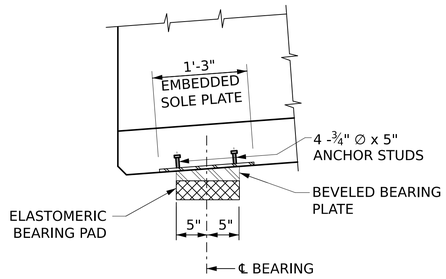
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05036

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

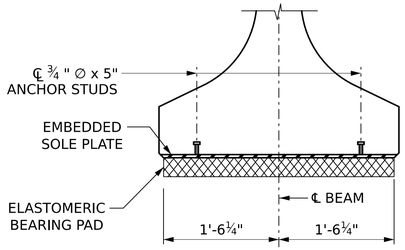


BEAM END
SCALE: 1" = 1'-0"

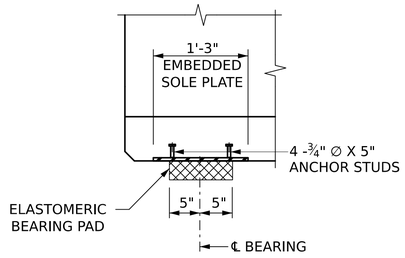


SIDE VIEW OF BEAM
SCALE: 1" = 1'-0"

BEARING DETAILS TYPE 4, MARK VB6



BEAM END
SCALE: 1" = 1'-0"



SIDE VIEW OF BEAM
SCALE: 1" = 1'-0"

BEARING DETAILS TYPE 2, MARK B6

NOTES:

1. SOLE PLATES SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO M-111. BEVELED EDGES OF THE SOLE PLATE TO RECEIVE FIELD WELDING SHALL BE GROUND TO BARE METAL BEFORE BEING CAST IN GIRDER. SEE SECTIONS 511 AND 837 OF THE STANDARD SPECIFICATIONS FOR BEARING PLATE PREPERATION REQUIREMENTS.

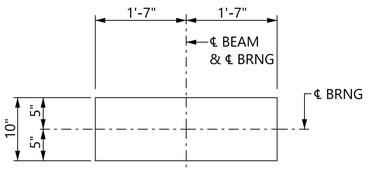
2. FOR TI AND T2 VALUES, SEE JOINT LAYOUT SHEET.

3. A BEARING LAYOUT (ERECTION PLAN) SHALL BE PROVIDED BY THE MANUFACTURER OF THE BEARINGS WHENEVER TYPE 4 ELASTOMERIC BEARINGS ARE SPECIFIED IN THE BRIDGE PLANS. THE LAYOUT SHALL BE INCLUDED IN THE BEARING PAD FABRICATION DRAWINGS, SUBMITTED TO THE ENIGNEER OF RECORD FOR APPROVAL AND SHALL INCLUDE ALL BEARINGS OF ALL TYPES FOR EACH STRUCTURE. THE LAYOUT SHALL LOCATE EACH BEARING WITH RESPECT TO UNIQUE IDENTIFICATION NUMBERS AND SHALL INDICATE CORRECT PLACEMENT OF BEARING WITH RESPECT TO BEVELING.

4. FOR ALL BEARINGS AT THE EXPANSION END, ALL BEARING AREAS IN INTERIOR BAYS AT THE FIXED END AND OUTSIDE OF EXTERIOR BEARING OF THE FIXED END: THE CONTRACTOR SHALL REMOVE ANY RUST THAT APPEARS IN THE FIELD WELD AREAS OF THE BEARING PLATE AND SOLE PLATE. ALL DECK POURS SHALL BE COMPLETED PRIOR TO WELDING BEARING PLATE TO SOLE PLATE. REFERENCE SECTIONS 511 AND 837 OF THE STANDARD SPECIFICATIONS FOR BEARING PLATE PREPARATION REQUIREMENTS.

5. FOR ALL BEARING AREAS IN EXTERIOR BAYS AT THE FIXED END (FULL DEPTH EDGE BEAM), THE CONTRACTOR SHALL WELD THE BEARING PLATE TO THE SOLE PLATE PRIOR TO CASTING THE EDGE BEAM AND DECK. REFERENCE SECTION 511 & 837 OF TUE STANDARD SPECIFICATIONS FOR BEARING PLATE PREPARATION REQUIREMENTS.

6. EXTERIOR LAYER THICKNESS MEASURED FROM OUTSIDE SURFACE OF PAD TO ℄ SHIM PLATE. INTERIOR LAYER THICKNESS MEASURED FROM ℄ SHIM PLATE TO ℄ SHIM PLATE.

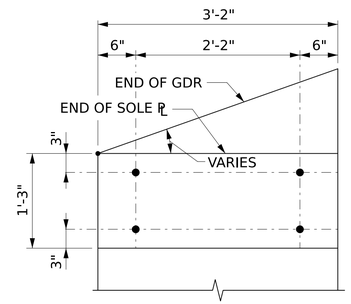


PLAN

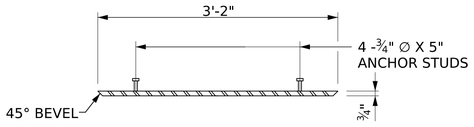
ELEVATION - SIDE VIEW

BEVELED BEARING PLATE DETAILS

NTS

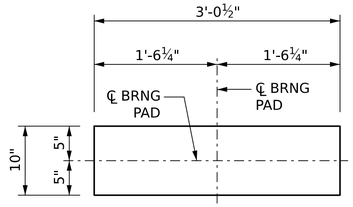


PLAN

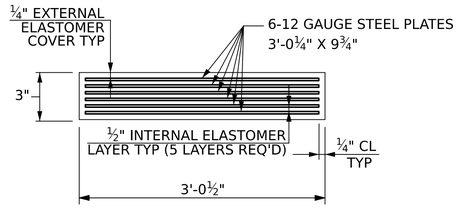


EMBEDDED SOLE PLATE DETAILS

NTS



PLAN



ELEVATION

ELASTOMERIC BEARING PAD DETAILS

NTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

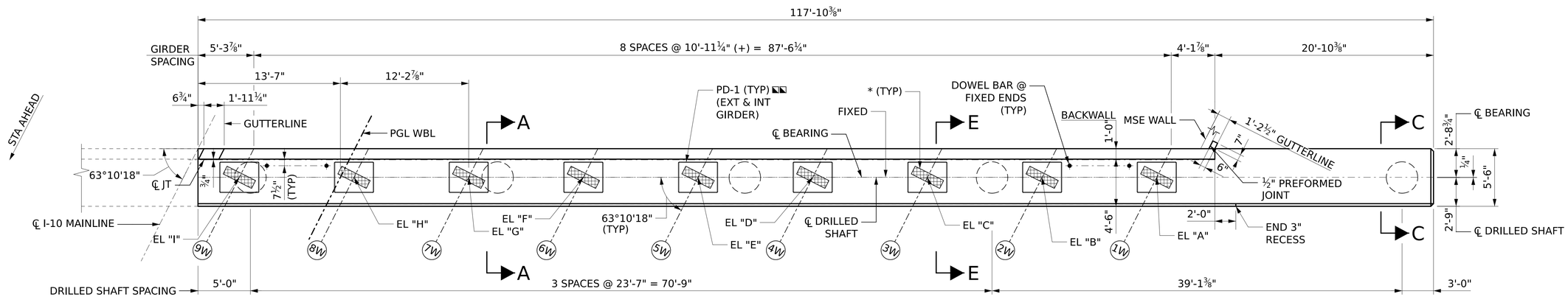
BRIDGE SHEET NO. 36 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BEARING DETAILS

MRB-S01-BR-05036.dgn
cade.arras
9:24:00 AM
6/26/2025

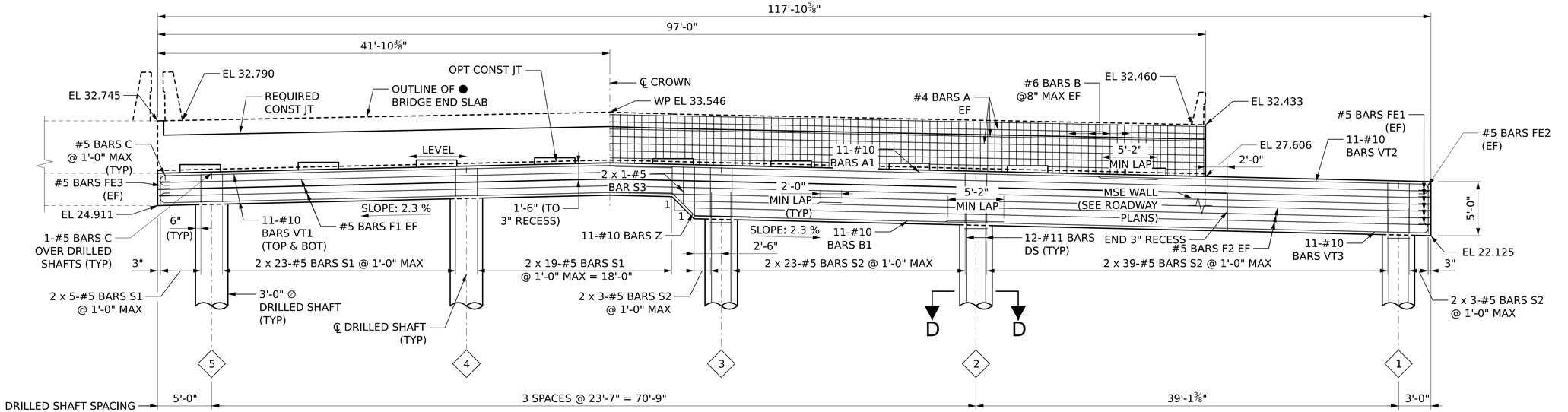
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05037

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN

SCALE: 3/16" = 1'-0"



ELEVATION

SCALE: 3/16" = 1'-0"

NOTES:

1. FOR PEDESTAL DETAILS SEE PEDESTAL AND SKID BLOCK DETAILS SHEET.
2. FOR SECTIONS A-A, C-C, D-D AND E-E, SEE ABUTMENT DETAILS SHEETS.
3. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJ DWG BES-450(IJ)BP.
4. ELASTOMERIC BEARING PAD, TYPE 2, MARK B6, SEE BEARING DETAILS SHEET.

TABLE OF ELEVATIONS									
MARK	A	B	C	D	E	F	G	H	I
	28.396	28.617	28.838	29.059	29.279	29.353	29.143	28.932	28.721

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

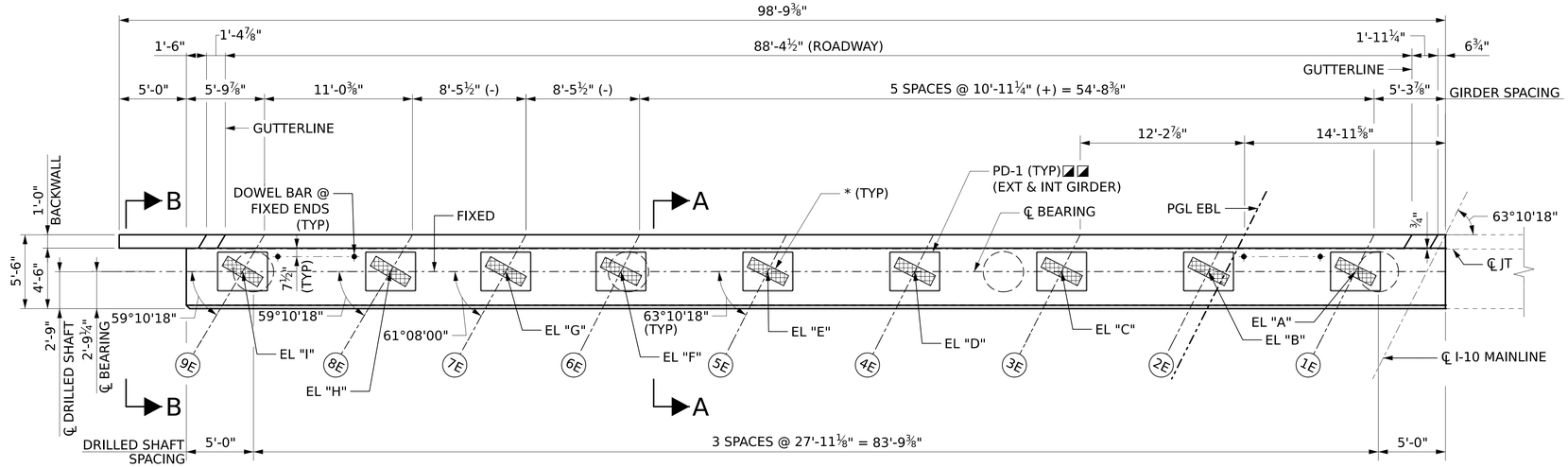
BRIDGE SHEET NO. 37 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
ABUTMENT 1 WB

MRB-S01-BR-05037.dgn
cade.arras
9:24:23 AM
6/26/2025

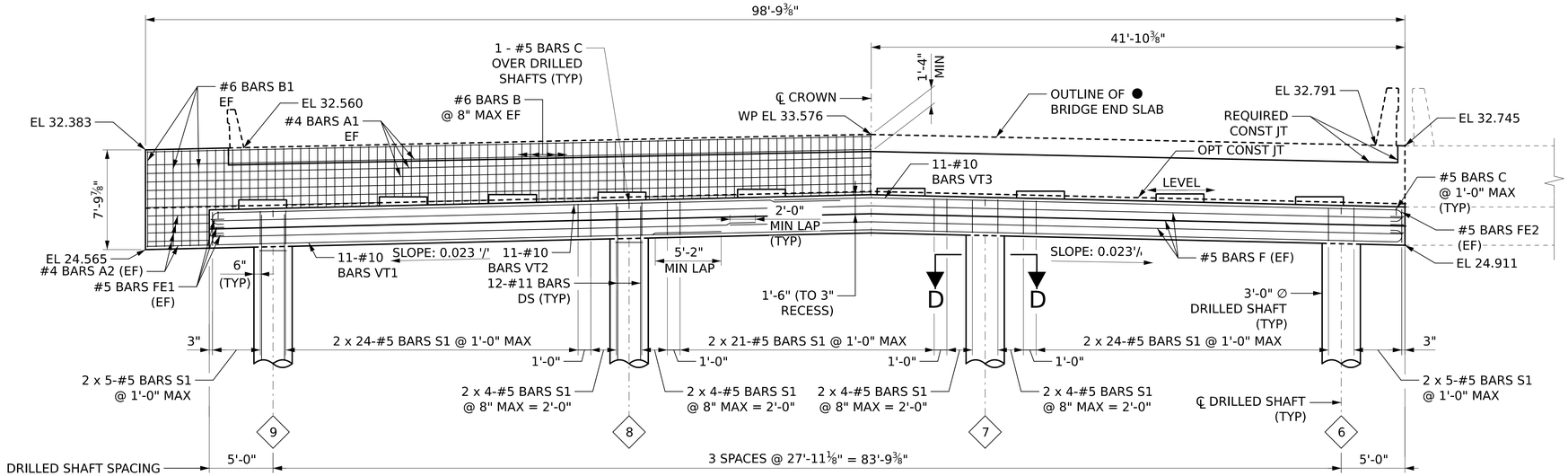
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05038

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN

SCALE: 3⁄16" = 1'-0"



ELEVATION

SCALE: 3⁄16" = 1'-0"

NOTES:

1. FOR PEDESTAL DETAILS SEE PEDESTAL AND SKID BLOCK DETAILS SHEET.
2. FOR SECTIONS A-A, B-B, AND D-D, SEE ABUTMENT DETAILS SHEET.
3. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJ DWG BES-450(IJ)BP.
4. ELASTOMERIC BEARING PAD, TYPE 2, MARK B6, SEE BEARING DETAILS SHEET.

TABLE OF ELEVATIONS									
MARK	A	B	C	D	E	F	G	H	I
	28.725	28.943	29.161	29.379	29.313	29.091	28.909	28.727	28.492

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 38 OF 63

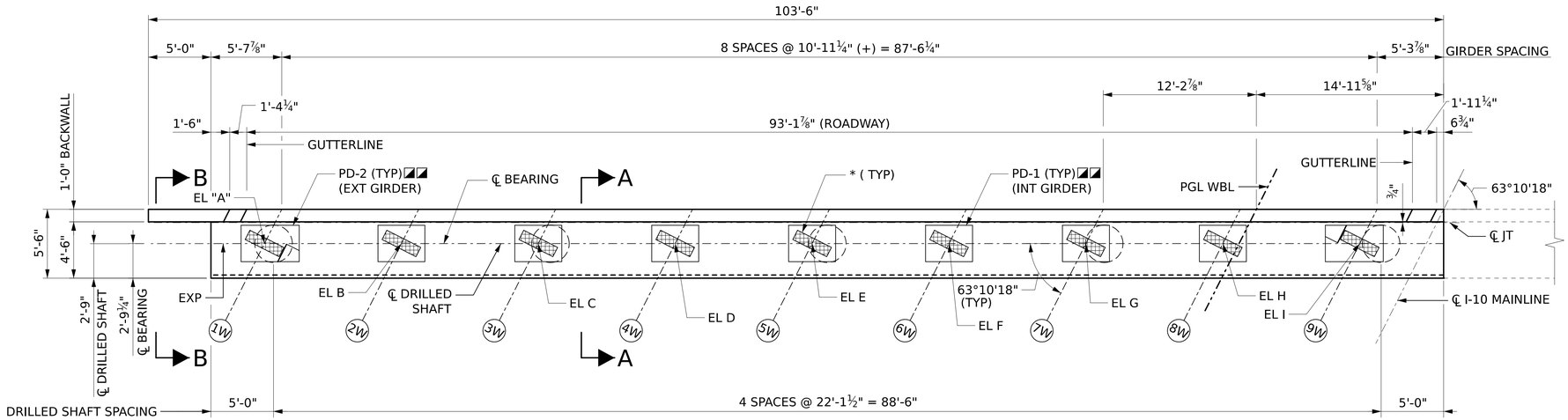
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
ABUTMENT 1 EB

MRB-S01-BR-05038.dgn
cade.arras
9:24:41 AM
6/26/2025

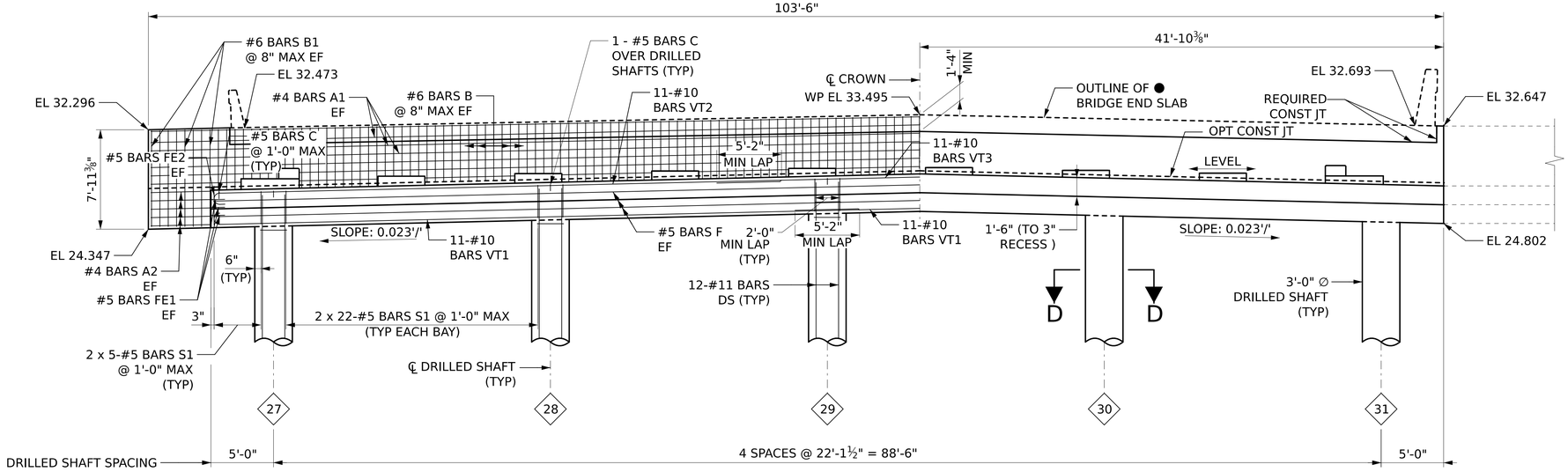
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05039

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"



PLAN
SCALE: 3/16" = 1'-0"



ELEVATION
SCALE: 3/16" = 1'-0"

NOTES:

1. FOR PEDESTAL DETAILS SEE PEDESTAL AND SKID BLOCK DETAILS SHEET.
2. FOR SECTIONS A-A, B-B AND D-D, SEE ABUTMENT DETAILS SHEET.
3. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJ DWG BES-450(IJ)BP.
4. ELASTOMERIC BEARING PAD, TYPE 2, MARK B6, SEE BEARING DETAILS SHEET.

TABLE OF ELEVATIONS									
MARK	A	B	C	D	E	F	G	H	I
	28.405	28.614	28.822	29.030	29.238	29.300	29.077	28.854	28.631

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 39 OF 63

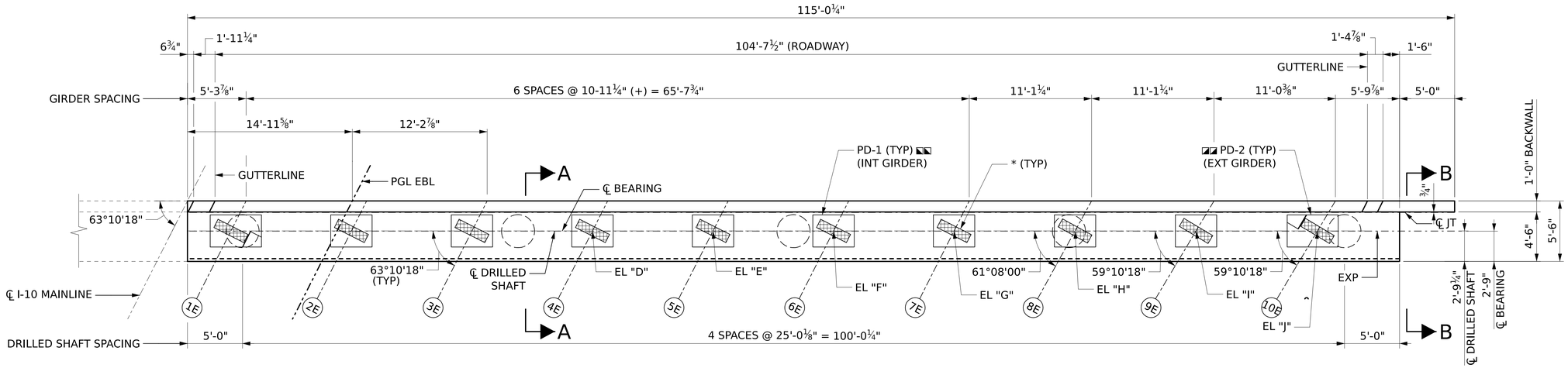
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
ABUTMENT 4 WB

MRB-S01-BR-05039.dgn
cade.arras
9:25:02 AM
6/26/2025

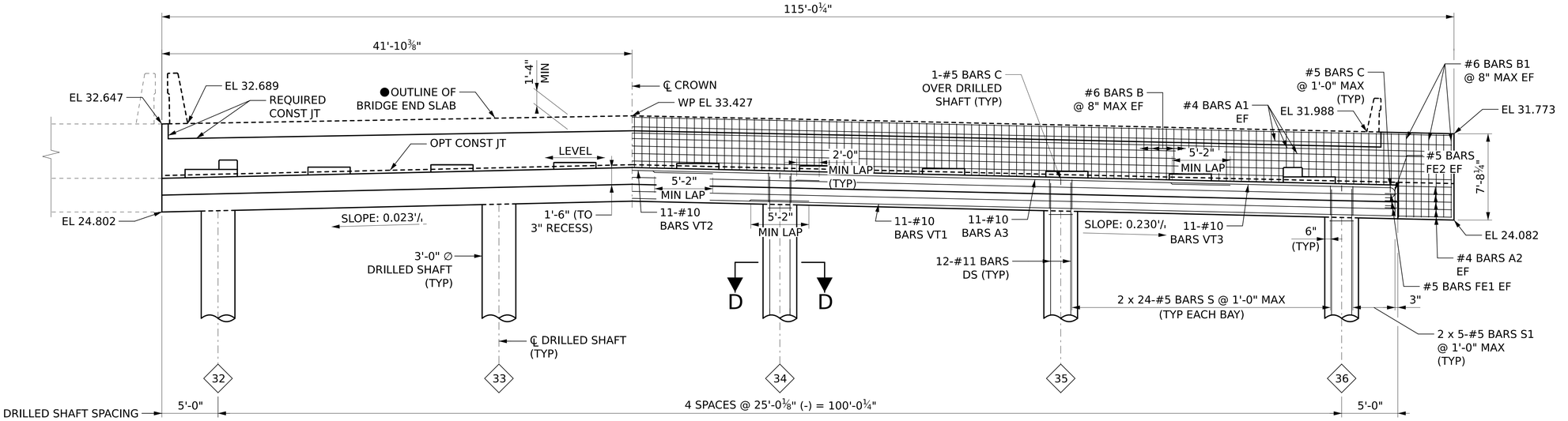
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05040

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"



PLAN
SCALE: 3⁄16" = 1'-0"



ELEVATION
SCALE: 3⁄16" = 1'-0"

NOTES:

1. FOR PEDESTAL DETAILS SEE PEDESTAL AND SKID BLOCK DETAILS SHEET.
2. FOR SECTIONS A-A , B-B AND D-D, SEE ABUTMENT DETAILS SHEET.
3. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJ DWG BES-450(IJ)BP.
4. ELASTOMERIC BEARING PAD, TYPE 2, MARK B6, SEE BEARING DETAILS SHEET.

TABLE OF ELEVATIONS										
MARK	A	B	C	D	E	F	G	H	I	J
	28.623	28.828	29.034	29.239	29.160	28.927	28.682	28.436	28.189	27.941

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

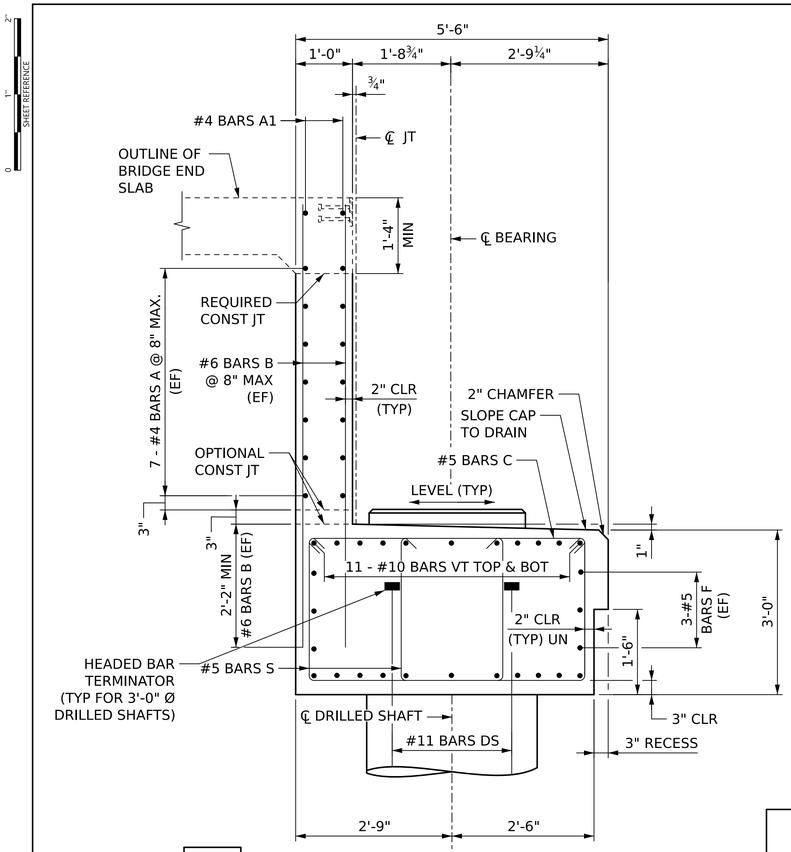
BRIDGE SHEET NO. 40 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
ABUTMENT 4 EB

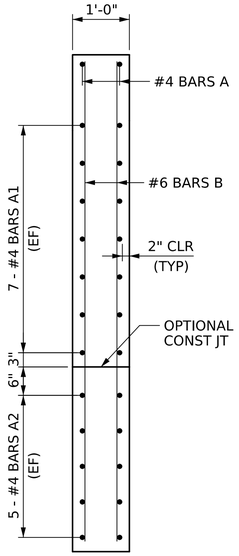
MRB-S01-BR-05040.dgn
cade.arras
9:25:21 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05041

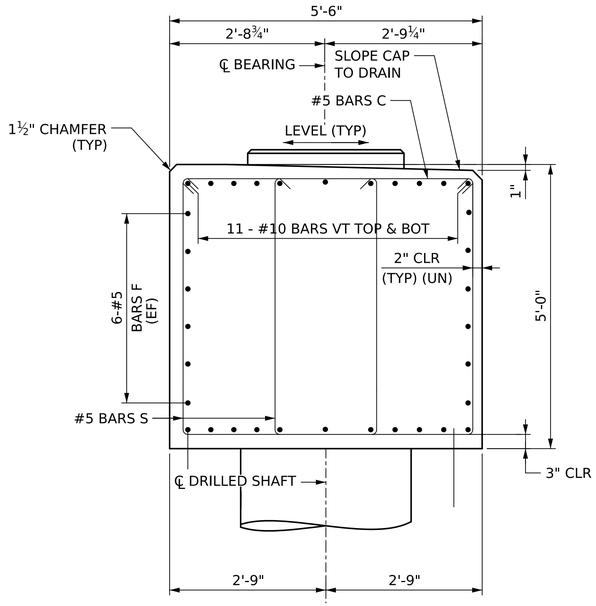
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



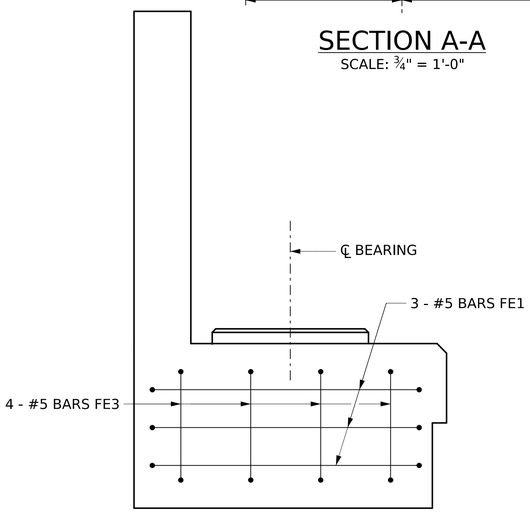
SECTION A-A
SCALE: ¾" = 1'-0"



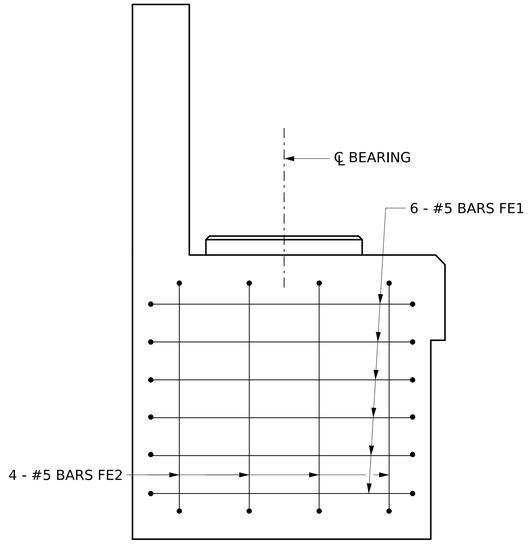
SECTION B-B
SCALE: ¾" = 1'-0"



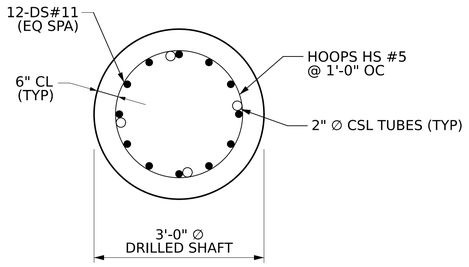
SECTION C-C
SCALE: ¾" = 1'-0"



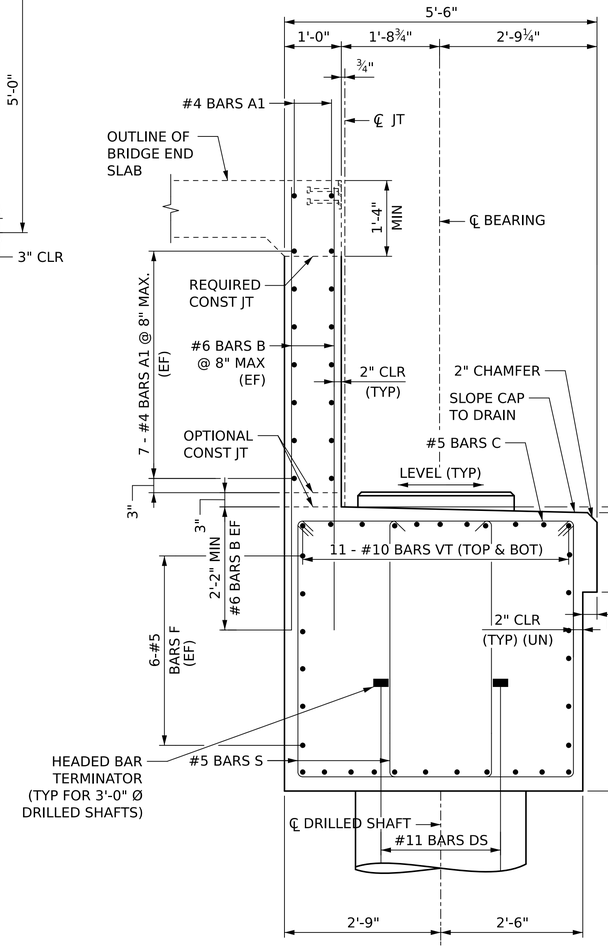
END CAP - REINFORCEMENT
SCALE:¾" = 1'-0"



END CAP - REINFORCEMENT
SCALE:¾" = 1'-0"



SECTION D-D
SCALE: ¾" = 1'-0"



SECTION E-E
SCALE: ¾" = 1'-0"

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 41 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
MISC ABUTMENT DETAILS

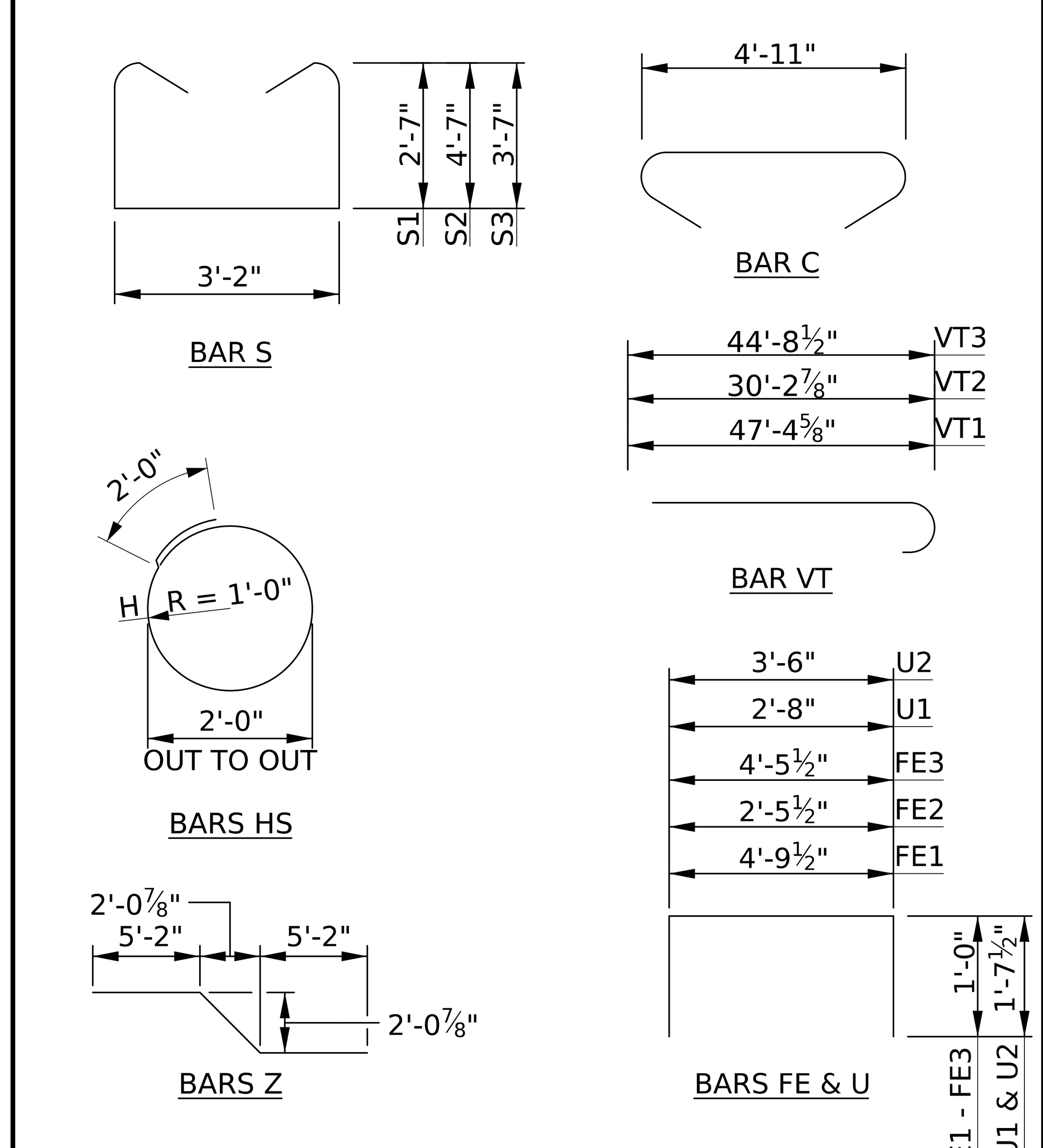
MRB-S01-BR-05041.dgn
cade.arras
9:25:38 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05042

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BILL OF REINFORCEMENT - ABUTMENT 1 WB

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	4	32	49'-1 1/2"	BACKWALL	STRAIGHT
B	6	292	6'-10 1/4"	BACKWALL	STRAIGHT
C	5	121	5'-10"	CAP	SEE DIAG
F1	5	12	59'-10"	CAP	STRAIGHT
F2	5	12	36'-2"	CAP	STRAIGHT
FE1	5	9	6'-9 1/2"	CAP	SEE DIAG
FE2	5	4	6'-5 1/2"	CAP	SEE DIAG
FE3	5	4	4'-5 1/2"	CAP	SEE DIAG
S1	5	94	9'-3"	CAP	SEE DIAG
S2	5	136	13'-3"	CAP	SEE DIAG
S3	5	2	11'-3"	CAP	SEE DIAG
U1	3	81	5'-11"	PEDESTAL	SEE DIAG
U2	3	63	6'-9"	PEDESTAL	SEE DIAG
VT1	10	22	48'-9 5/8"	CAP	SEE DIAG
VT2	10	11	31'-7 7/8"	CAP	SEE DIAG
VT3	10	11	46'-1 1/2"	CAP	SEE DIAG
A1	10	11	50'-2 5/8"	CAP	STRAIGHT
B1	10	11	28'-7"	CAP	STRAIGHT
Z	10	11	13'-3"	CAP	SEE DIAG
● DS	11	60	51'-5"	DRILLED SHAFT	STRAIGHT
DS	11	60	51'-5"	DRILLED SHAFT	STRAIGHT
HS	5	455	8'-8 3/8"	DRILLED SHAFT	SEE DIAG

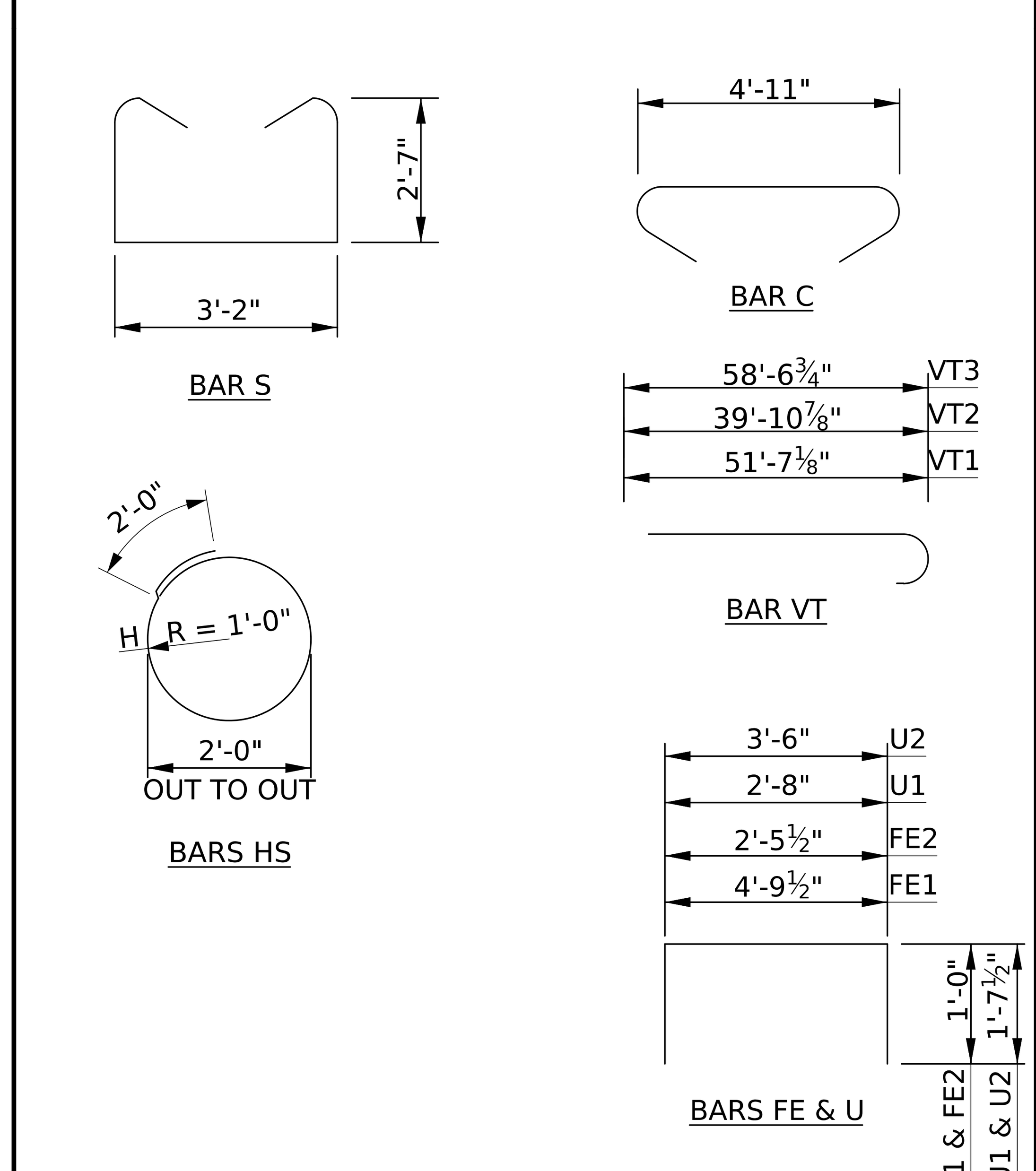


BAR BENDING DIAGRAM

● HEADED BAR

BILL OF REINFORCEMENT - ABUTMENT 1 EB

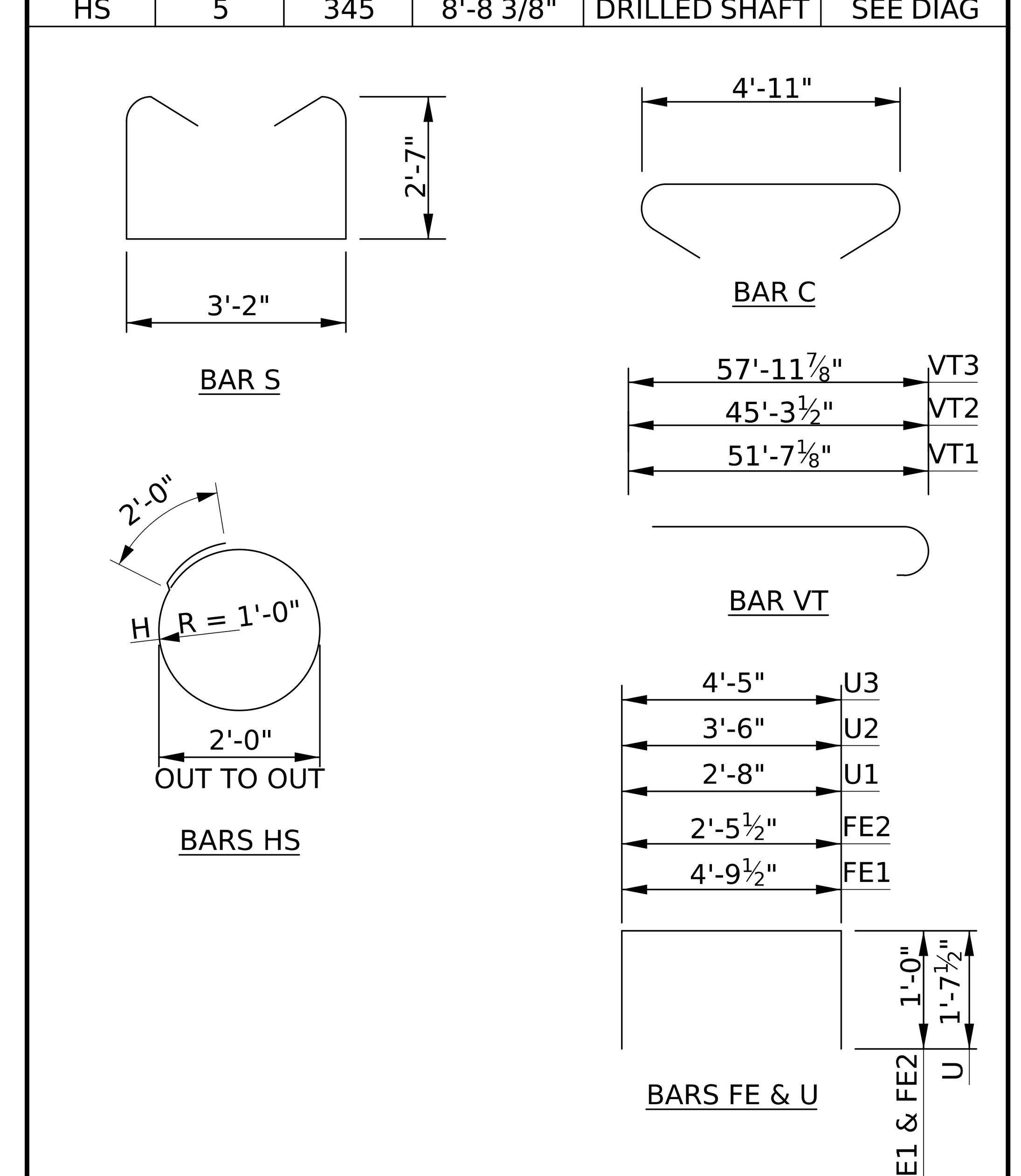
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A1	4	32	50'-0 1/4"	BACKWALL	STRAIGHT
A2	4	10	7'-0"	BACKWALL	STRAIGHT
B	6	282	6'-9 7/8"	BACKWALL	STRAIGHT
B1	6	16	7'-4 7/8"	BACKWALL	STRAIGHT
C	5	95	5'-10"	CAP	SEE DIAG
F	5	12	47'-8 7/8"	CAP	STRAIGHT
FE1	5	6	6'-9 1/2"	CAP	SEE DIAG
FE2	5	8	4'-5 1/2"	CAP	SEE DIAG
S1	5	190	9'-3"	CAP	SEE DIAG
U1	3	81	5'-11"	PEDESTAL	SEE DIAG
U2	3	63	6'-9"	PEDESTAL	SEE DIAG
VT1	10	22	53'-0 1/8"	CAP	SEE DIAG
VT2	10	11	41'-3 7/8"	CAP	SEE DIAG
VT3	10	11	59'-11 3/4"	CAP	SEE DIAG
● DS	11	48	48'-7"	DRILLED SHAFT	STRAIGHT
DS	11	48	48'-7"	DRILLED SHAFT	STRAIGHT
HS	5	340	8'-8 3/8"	DRILLED SHAFT	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - ABUTMENT 4 WB

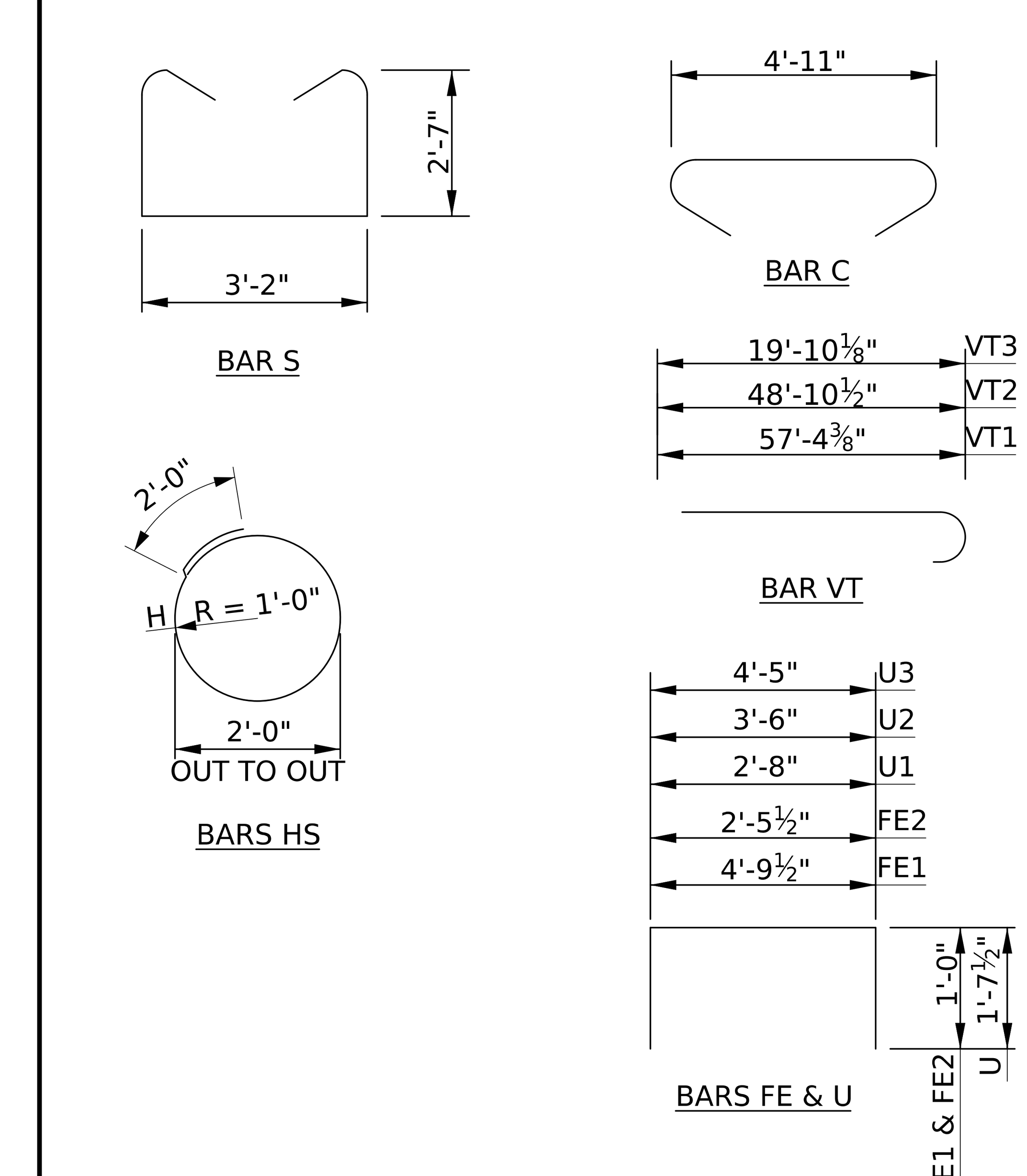
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A1	4	32	52'-4 1/2"	BACKWALL	STRAIGHT
A2	4	10	7'-0"	BACKWALL	STRAIGHT
B	6	296	6'-11 3/8"	BACKWALL	STRAIGHT
B1	6	16	7'-6 5/8"	BACKWALL	STRAIGHT
C	5	100	5'-10"	CAP	SEE DIAG
F	5	12	50'-1 1/8"	CAP	STRAIGHT
FE1	5	6	6'-9 1/2"	CAP	SEE DIAG
FE2	5	8	4'-5 1/2"	CAP	SEE DIAG
S1	5	196	9'-3"	CAP	SEE DIAG
U1	3	83	5'-11"	PEDESTAL	SEE DIAG
U2	3	49	6'-9"	PEDESTAL	SEE DIAG
U3	3	14	7'-8"	PEDESTAL	SEE DIAG
VT1	10	22	53'-0 1/8"	CAP	SEE DIAG
VT2	10	11	46'-8 1/2"	CAP	SEE DIAG
VT3	10	11	59'-4 7/8"	CAP	SEE DIAG
● DS	11	60	40'-10"	DRILLED SHAFT	STRAIGHT
DS	11	60	40'-10"	DRILLED SHAFT	STRAIGHT
HS	5	345	8'-8 3/8"	DRILLED SHAFT	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - ABUTMENT 4 EB

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A1	4	32	58'-1 5/8"	BACKWALL	STRAIGHT
A2	4	10	7'-0"	BACKWALL	STRAIGHT
B	6	330	6'-9 7/8"	BACKWALL	STRAIGHT
B1	6	16	7'-3 3/8"	BACKWALL	STRAIGHT
C	5	111	5'-10"	CAP	SEE DIAG
F	5	12	55'-10 3/8"	CAP	STRAIGHT
FE1	5	6	6'-9 1/2"	CAP	SEE DIAG
FE2	5	8	4'-5 1/2"	CAP	SEE DIAG
S1	5	212	9'-3"	CAP	SEE DIAG
U1	3	92	5'-11"	PEDESTAL	SEE DIAG
U2	3	56	6'-9"	PEDESTAL	SEE DIAG
U3	3	14	7'-8"	PEDESTAL	SEE DIAG
VT1	10	22	58'-9 3/8"	CAP	SEE DIAG
VT2	10	11	50'-3 1/2"	CAP	SEE DIAG
VT3	10	11	21'-3 1/8"	CAP	SEE DIAG
A3	10	11	51'-3"	CAP	STRAIGHT
● DS	11	60	43'-10"	DRILLED SHAFT	STRAIGHT
DS	11	60	43'-10"	DRILLED SHAFT	STRAIGHT
HS	5	375	8'-8 3/8"	DRILLED SHAFT	STRAIGHT



BAR BENDING DIAGRAM

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP — DATE
PE STAMP — DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021822 (WB), 021823 (EB)
COUNTY(S): MOBILE

DESIGNER: SJR DATE:

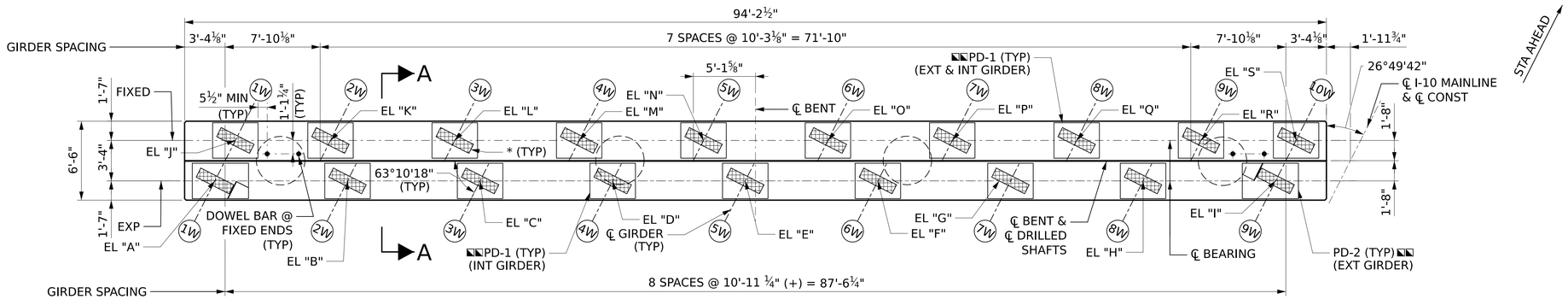
BRIDGE SHEET NO. 42 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
ABUT BILL OF REINFORCEMENT

MRB-S01-BR-05042.dgn cade.arras 9:25:53 AM 6/26/2025

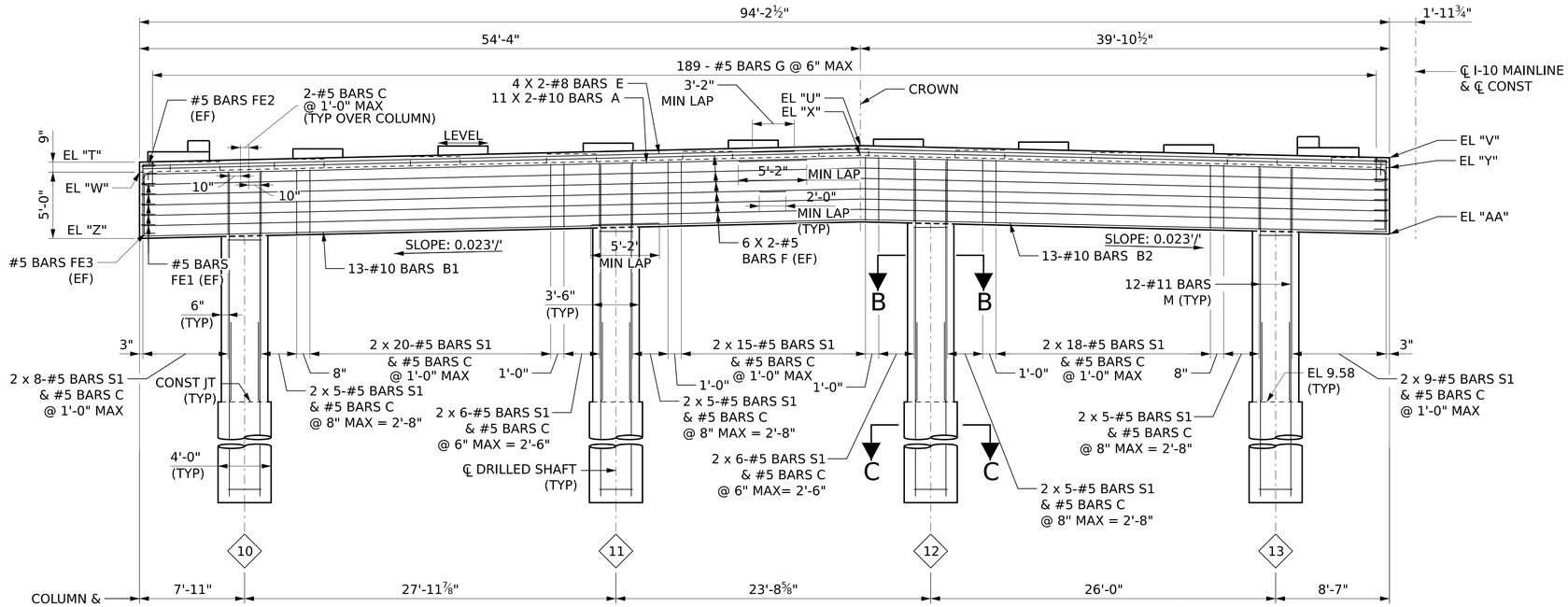
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05043

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN

SCALE: $\frac{3}{16}$" = 1'-0"



ELEVATION

SCALE: $\frac{3}{16}$" = 1'-0"

NOTES:

∗ 1. ELASTOMERIC BEARING PAD, MARK B6, SEE JOINT LAYOUT SHEET AND SEE BEARING DETAILS SHEET.

◥◤ 2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEET.

3. FOR SECTIONS A-A, B-B, AND C-C SEE BENT DETAILS SHEET.

TABLE OF ELEVATIONS

MARK	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	
SPAN 1	28.438	28.657	28.875	29.093	29.310	29.382	29.169	28.956	28.743	
MARK	"J"	"K"	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"
SPAN 2	27.608	27.764	27.969	28.173	28.377	28.581	28.463	28.264	28.064	27.910
MARK	"T"	"U"	"V"	"W"	"X"	"Y"	"Z"	"AA"		
	27.657	28.906	27.989	26.907	28.156	27.239	21.907	22.239		

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE | Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 43 OF 63

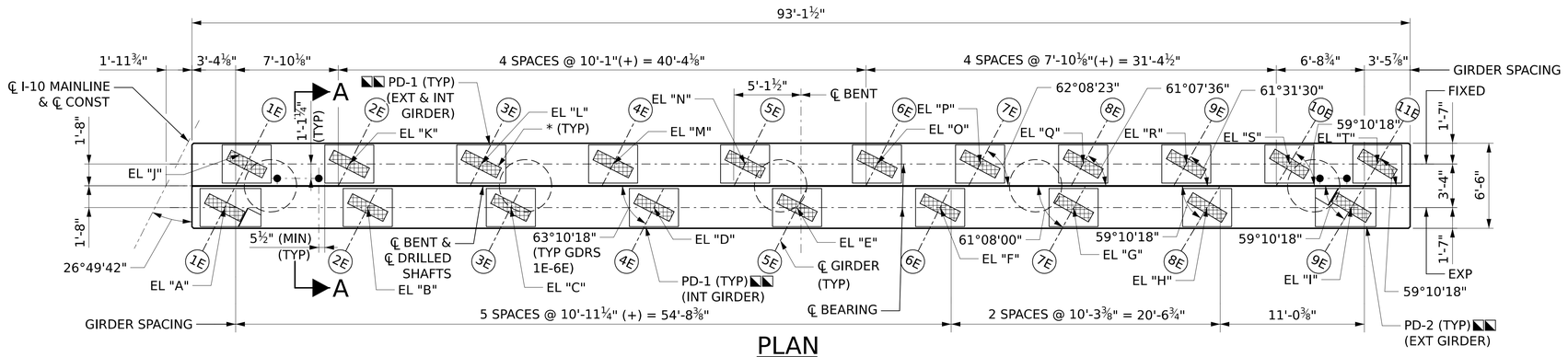
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BENT 2 WB

MRB-S01-BR-05043.dgn
cade.arras
9:26:14 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05044

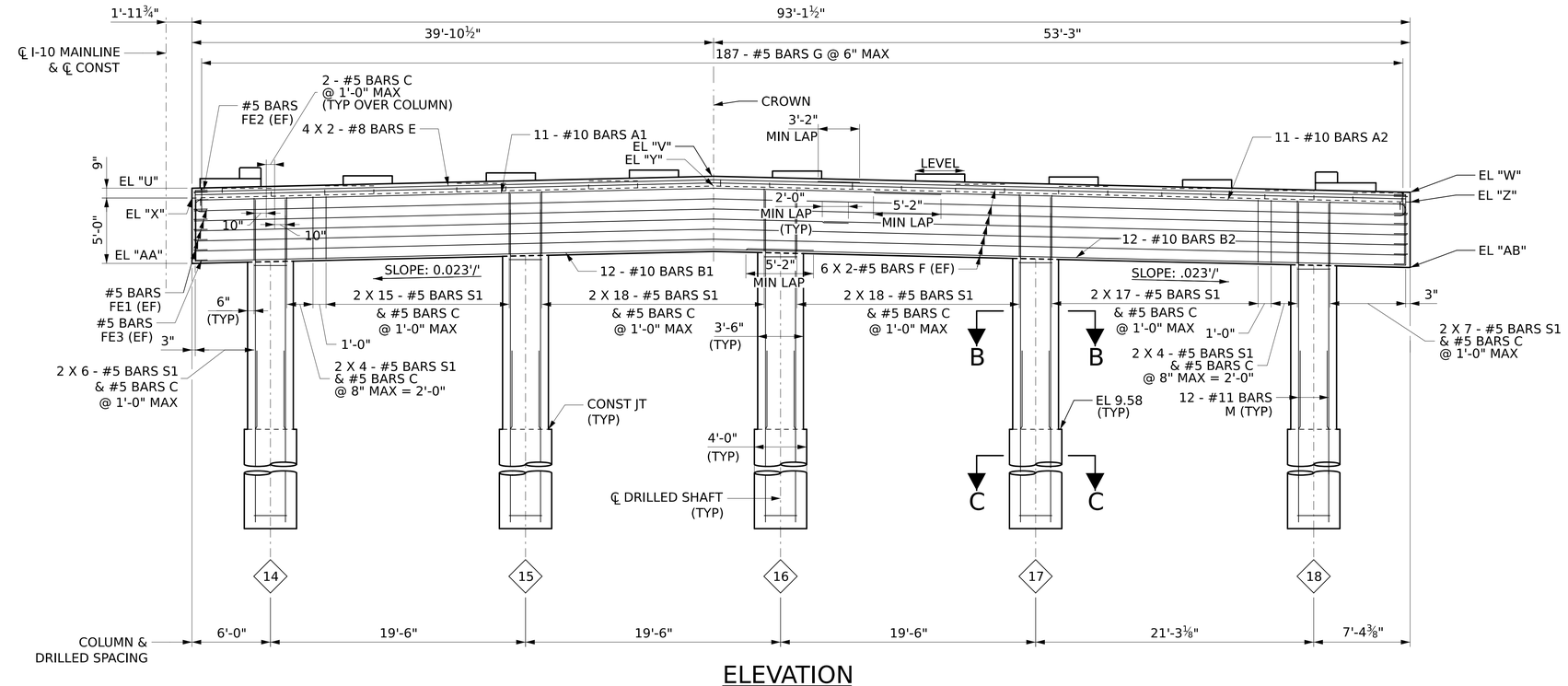
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"



PLAN

SCALE: 3/16" = 1'-0"



ELEVATION

SCALE: 3/16" = 1'-0"

NOTES:

∗ 1. ELASTOMERIC BEARING PAD, MARK B6 SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

2. FOR PEDESTAL AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEET.

3. FOR SECTION A-A, B-B, AND C-C SEE BENT DETAILS SHEET.

TABLE OF ELEVATIONS

MARK	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"		
SPAN 1	28.744	28.960	29.175	29.390	29.321	29.098	28.878	28.659	28.421		
MARK	"J"	"K"	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"	"T"
SPAN 2	27.911	28.066	28.265	28.463	28.599	28.401	28.235	28.065	27.896	27.726	27.581
MARK	"U"	"V"	"W"	"X"	"Y"	"Z"	"AA"	"AB"			
	28.010	28.927	27.702	27.260	28.177	26.952	22.260	21.952			

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

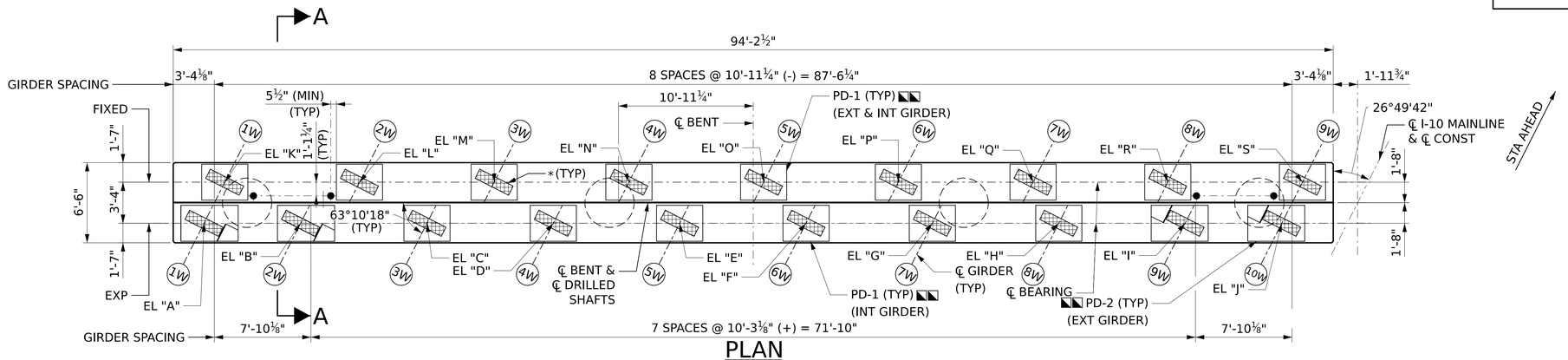
BRIDGE SHEET NO. 44 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BENT 2 EB

MRB-S01-BR-05044.dgn
cade.arras
9:26:33 AM
6/26/2025

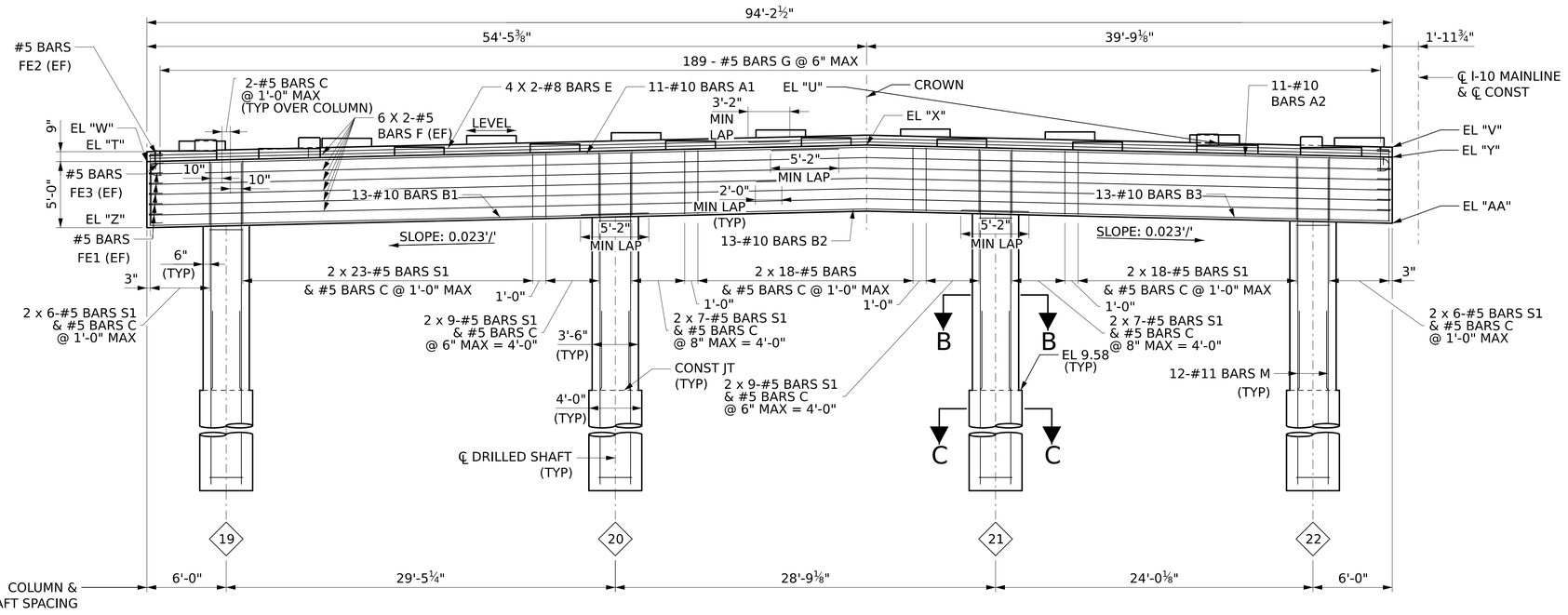
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05045

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN

SCALE: $\frac{3}{16}$" = 1'-0"



ELEVATION

SCALE: $\frac{3}{16}$" = 1'-0"

TABLE OF ELEVATIONS										
MARK	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"
SPAN 2	27.613	27.765	27.963	28.161	28.358	28.556	28.432	28.226	28.019	27.861
MARK	"K	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"	
SPAN 3	28.444	28.655	28.866	29.076	29.287	29.351	29.131	28.910	28.690	
MARK	"T"	"U"	"V"	"W"	"X"	"Y"	"Z"	"AA"		
	27.634	28.886	27.972	26.884	28.136	27.222	21.884	22.222		

NOTES:

∗ 1. ELASTOMERIC BEARING, MARK B6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

◥◤ 2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEET.

3. FOR SECTIONS A-A, B-B, AND C-C SEE BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

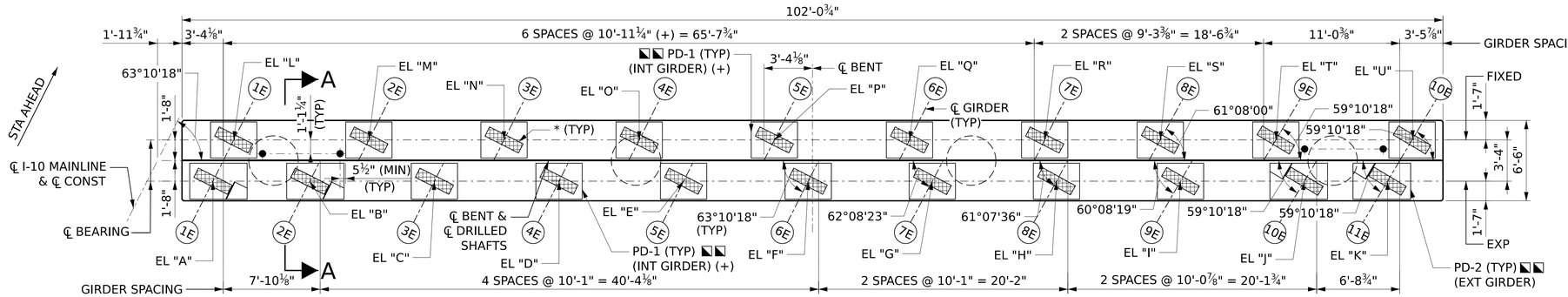
BRIDGE SHEET NO. 45 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BENT 3 WB

MRB-S01-BR-05045.dgn
cade.arras
9:26:54 AM
6/26/2025

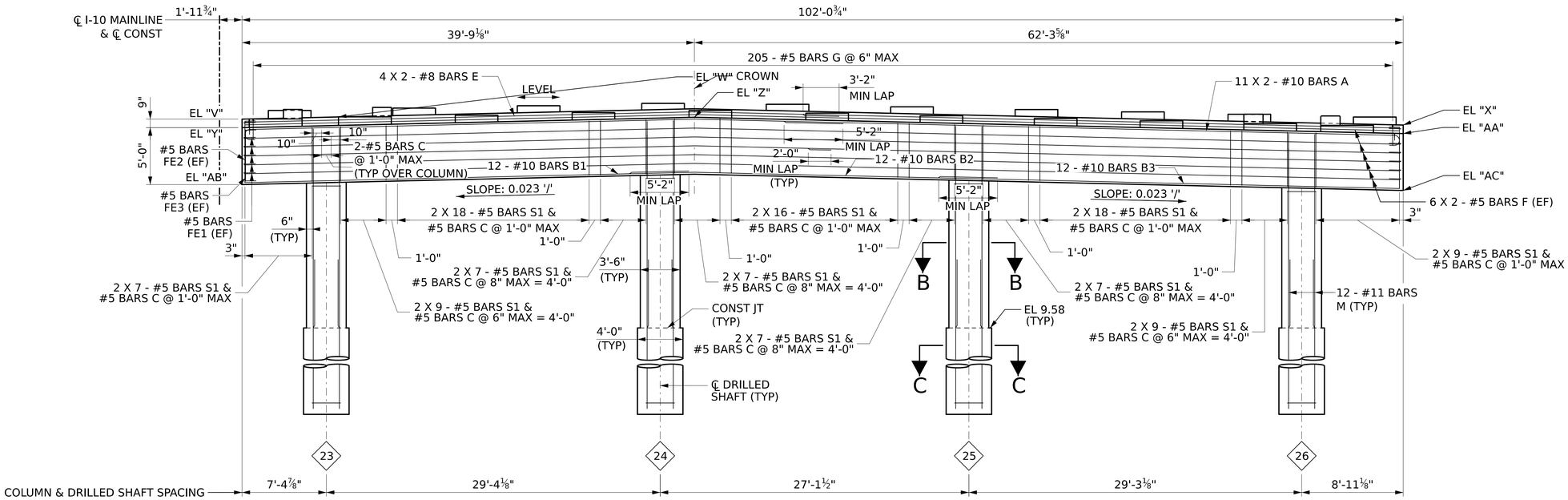
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05046

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN

SCALE: $\frac{3}{16}$" = 1'-0"



ELEVATION

SCALE: $\frac{3}{16}$" = 1'-0"

TABLE OF ELEVATIONS											
MARK	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"
SPAN 2	27.856	28.005	28.197	28.389	28.519	28.314	28.096	27.873	27.651	27.428	27.279
MARK	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"	"T"	"U"	
SPAN 3	28.684	28.892	29.100	29.308	29.232	29.001	28.758	28.551	28.343	28.098	
MARK	"V"	"W"	"X"	"Y"	"Z"	"AA"	"AB"	"AC"			
	27.917	28.832	27.399	27.167	28.082	26.649	22.167	21.649			

NOTES:

◆ 1. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEET.

2. FOR SECTION A-A, B-B, AND C-C SEE BENT DETAILS SHEET.

3. ELASTOMERIC BEARING PAD, MARK B6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

4. FOR PILE TO CAP CONNECTION DETAILS, SEE PILE HEAD ATTACHMENT DETAIL ON BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

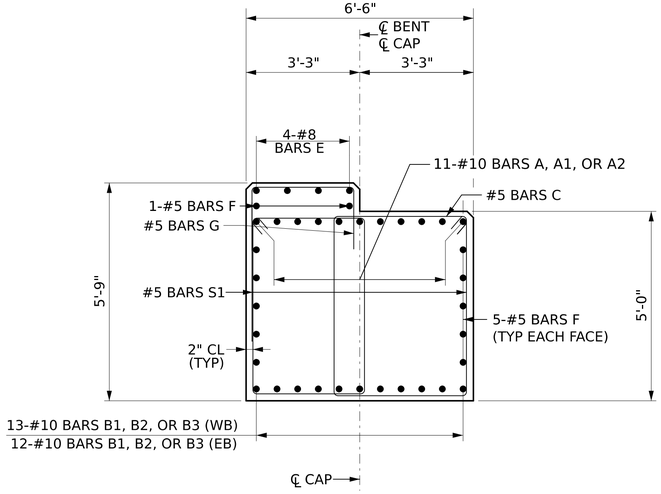
DESIGNER: SJR DATE:

BRIDGE SHEET NO. 46 OF 63

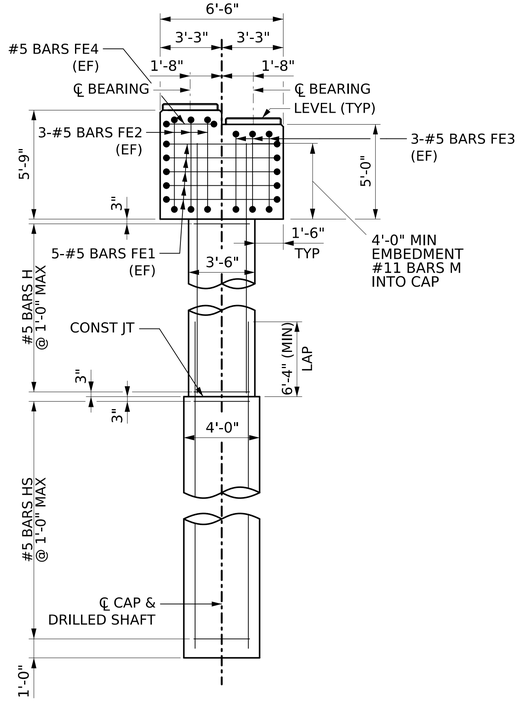
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BENT 3 EB

MRB-S01-BR-05046.dgn
cade.arras
9:27:09 AM
6/26/2025

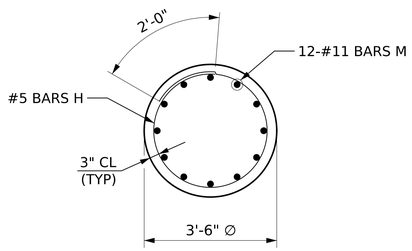
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05047



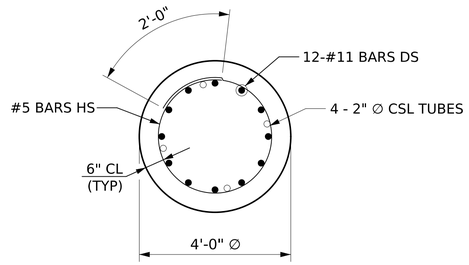
*SECTION A-A
SCALE: 1/2" = 1'-0"



*END VIEW
SCALE: 1/4" = 1'-0"



*SECTION B-B
(TEMPORARY CASING NOT SHOWN)
NTS



*SECTION C-C
(TEMPORARY CASING NOT SHOWN)
NTS

NOTES:

1. FOR FURTHER DRILLED SHAFT DATA, NOTES, AND TIP ELEVATIONS, SEE FOUNDATION LAYOUT AND DRILLED SHAFT TABLE SHEET.

∗ 2. SECTIONS SHOWN ARE SIMILAR FOR EASTBOUND AND WESTBOUND BENTS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 47 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
MISC BENT DETAILS

MRB-S01-BR-05047.dgn
caryn.lott
3:24:44 PM
6/27/2025

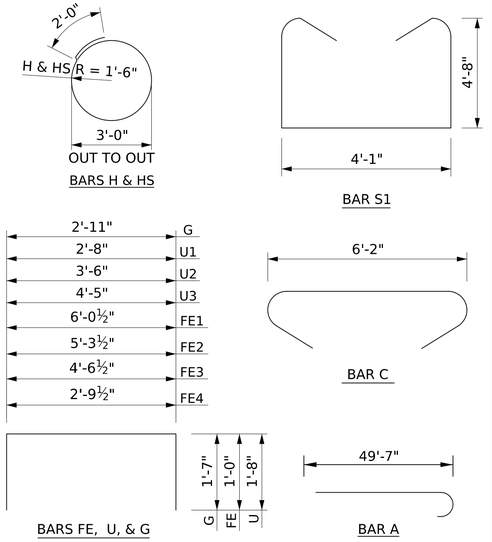
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05048

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

BILL OF REINFORCEMENT - BENT 2 WB

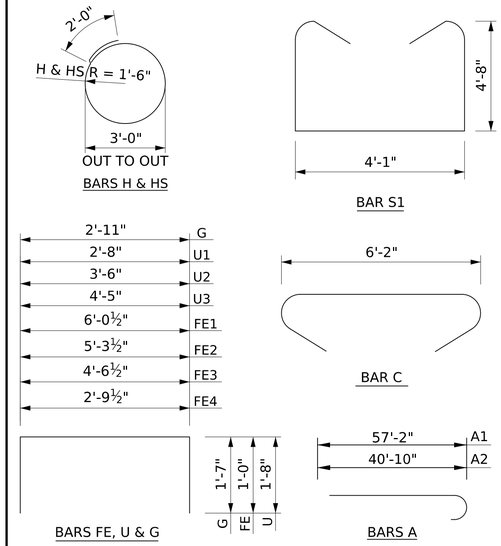
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
B1	10	13	39'-1"	CAP	STRAIGHT
B2	10	13	60'-0"	CAP	STRAIGHT
C	5	110	7'-1"	CAP	SEE DIAG
E	8	8	48'-0"	STEP	STRAIGHT
F	5	24	48'-0"	CAP/STEP	STRAIGHT
FE1	5	10	8'-0 1/2"	CAP	SEE DIAG
FE2	5	6	7'-3 1/2"	CAP	SEE DIAG
FE3	5	6	6'-6 1/2"	CAP	SEE DIAG
FE4	5	2	4'-9 1/2"	STEP	SEE DIAG
G	5	189	6'-1"	STEP	SEE DIAG
H	5	56	11'-5"	COLUMN	SEE DIAG
M	11	48	17'-5"	COLUMN	STRAIGHT
S1	5	204	14'-4"	CAP	SEE DIAG
A	10	22	51'-0"	CAP	SEE DIAG
DS	11	96	60'-0"	DRILLED SHAFT	STRAIGHT
HS	5	424	11'-5"	DRILLED SHAFT	SEE DIAG
U1	3	173	6'-0"	PEDESTAL	SEE DIAG
U2	3	119	6'-10"	PEDESTAL	SEE DIAG
U3	3	14	7'-9"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 2 EB

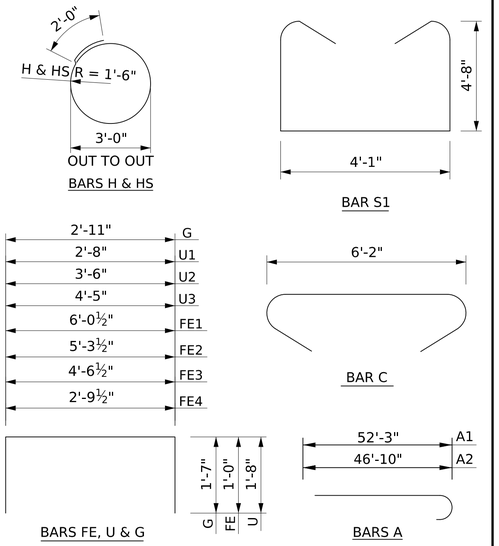
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
B1	10	12	47'-5"	CAP	STRAIGHT
B2	10	12	50'-7"	CAP	STRAIGHT
C	5	99	7'-1"	CAP	SEE DIAG
E	8	8	48'-0"	STEP	STRAIGHT
F	5	24	47'-5"	CAP/STEP	STRAIGHT
FE1	5	10	8'-0 1/2"	CAP	SEE DIAG
FE2	5	6	7'-3 1/2"	CAP	SEE DIAG
FE3	5	6	6'-6 1/2"	CAP	SEE DIAG
FE4	5	2	4'-9 1/2"	STEP	SEE DIAG
G	5	187	6'-1"	STEP	SEE DIAG
H	5	56	11'-5"	COLUMN	SEE DIAG
M	11	60	17'-5"	COLUMN	STRAIGHT
S1	5	178	14'-4"	CAP	SEE DIAG
A1	10	11	58'-7"	CAP	SEE DIAG
A2	10	11	42'-3"	CAP	SEE DIAG
DS	11	120	60'-0"	DRILLED SHAFT	STRAIGHT
HS	5	530	11'-5"	DRILLED SHAFT	SEE DIAG
U1	3	182	6'-0"	PEDESTAL	SEE DIAG
U2	3	126	6'-10"	PEDESTAL	SEE DIAG
U3	3	14	7'-9"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 3 WB

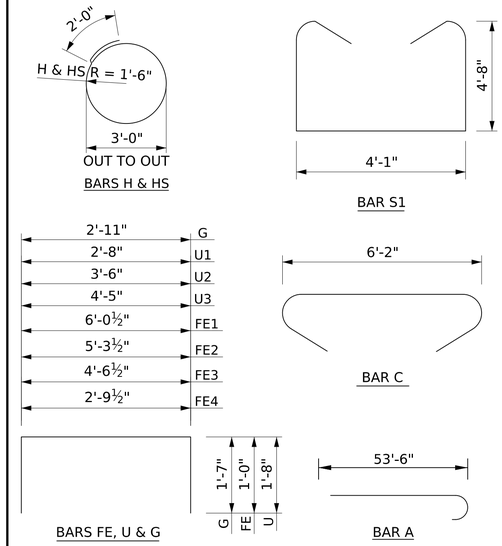
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
B1	10	13	37'-11"	CAP	STRAIGHT
B2	10	13	34'-0"	CAP	STRAIGHT
B3	10	13	32'-6"	CAP	STRAIGHT
C	5	111	7'-1"	CAP	SEE DIAG
E	8	8	48'-7"	STEP	STRAIGHT
F	5	24	48'-0"	CAP/STEP	STRAIGHT
FE1	5	10	8'-0 1/2"	CAP	SEE DIAG
FE2	5	6	7'-3 1/2"	CAP	SEE DIAG
FE3	5	6	6'-6 1/2"	CAP	SEE DIAG
FE4	5	2	4'-9 1/2"	STEP	SEE DIAG
G	5	189	6'-1"	STEP	SEE DIAG
H	5	56	11'-5"	COLUMN	SEE DIAG
M	11	48	17'-5"	COLUMN	STRAIGHT
S1	5	206	14'-4"	CAP	SEE DIAG
A1	10	11	53'-8"	CAP	SEE DIAG
A2	10	11	48'-3"	CAP	SEE DIAG
DS	11	96	60'-0"	DRILLED SHAFT	STRAIGHT
HS	5	424	11'-5"	DRILLED SHAFT	SEE DIAG
U1	3	173	6'-0"	PEDESTAL	SEE DIAG
U2	3	119	6'-10"	PEDESTAL	SEE DIAG
U3	3	14	7'-9"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 3 EB

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
B1	10	12	39'-2"	CAP	STRAIGHT
B2	10	12	32'-4"	CAP	STRAIGHT
B3	10	12	40'-8"	CAP	STRAIGHT
C	5	122	7'-1"	CAP	SEE DIAG
E	8	8	52'-6"	STEP	STRAIGHT
F	5	24	51'-11"	CAP/STEP	STRAIGHT
FE1	5	10	8'-0 1/2"	CAP	SEE DIAG
FE2	5	6	7'-3 1/2"	CAP	SEE DIAG
FE3	5	6	6'-6 1/2"	CAP	SEE DIAG
FE4	5	2	4'-9 1/2"	STEP	SEE DIAG
G	5	205	6'-1"	STEP	SEE DIAG
H	5	56	11'-5"	COLUMN	SEE DIAG
M	11	48	17'-5"	COLUMN	STRAIGHT
S1	5	228	14'-4"	CAP	SEE DIAG
A	10	22	54'-11"	CAP	SEE DIAG
DS	11	96	60'-0"	DRILLED SHAFT	STRAIGHT
HS	5	424	11'-5"	DRILLED SHAFT	SEE DIAG
U1	3	191	6'-0"	PEDESTAL	SEE DIAG
U2	3	133	6'-10"	PEDESTAL	SEE DIAG
U3	3	14	7'-9"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: SJR DATE:

BRIDGE SHEET NO. 48 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BENT REINFORCEMENT TABLES

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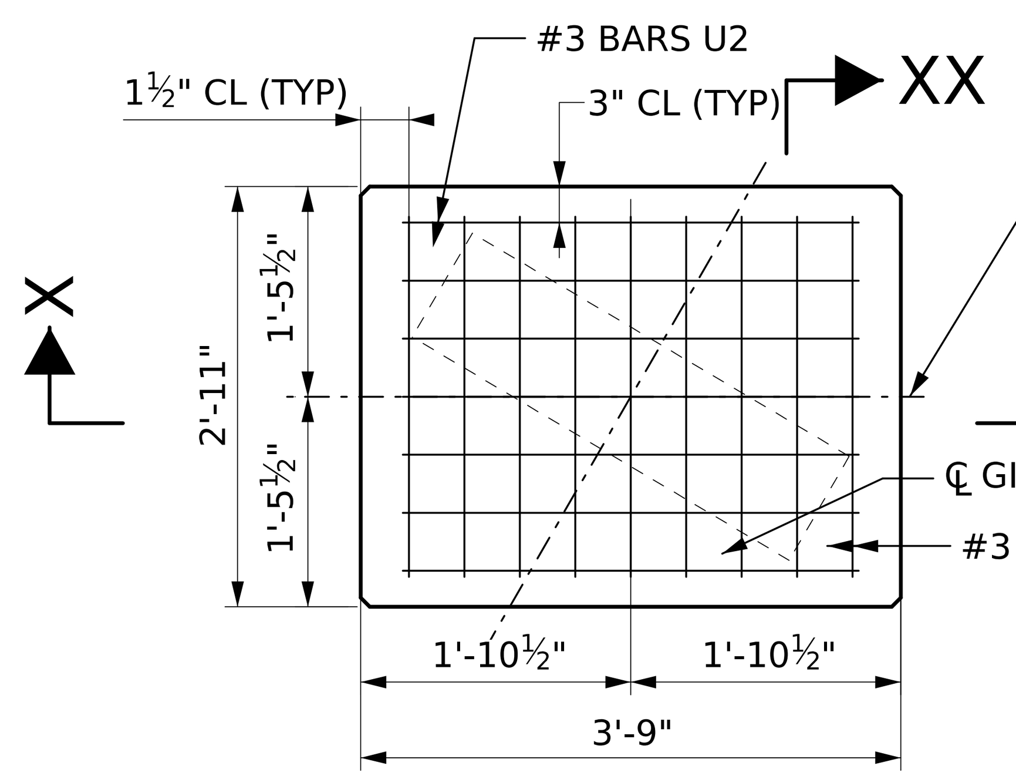
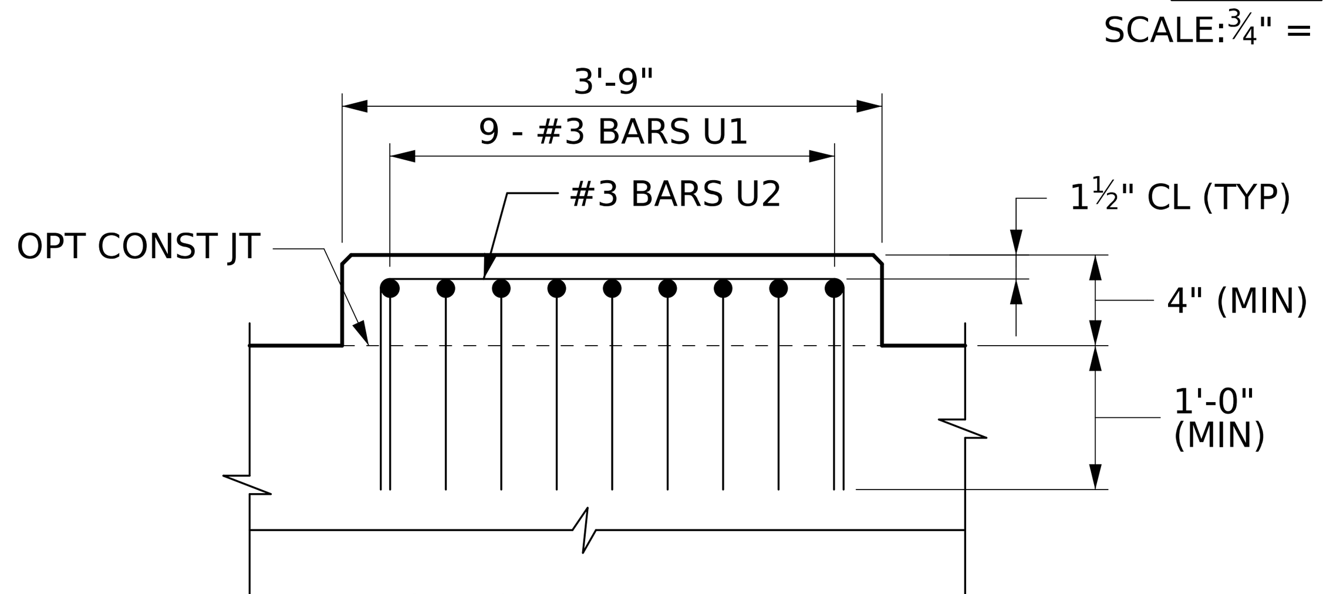
9:27:45 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05049

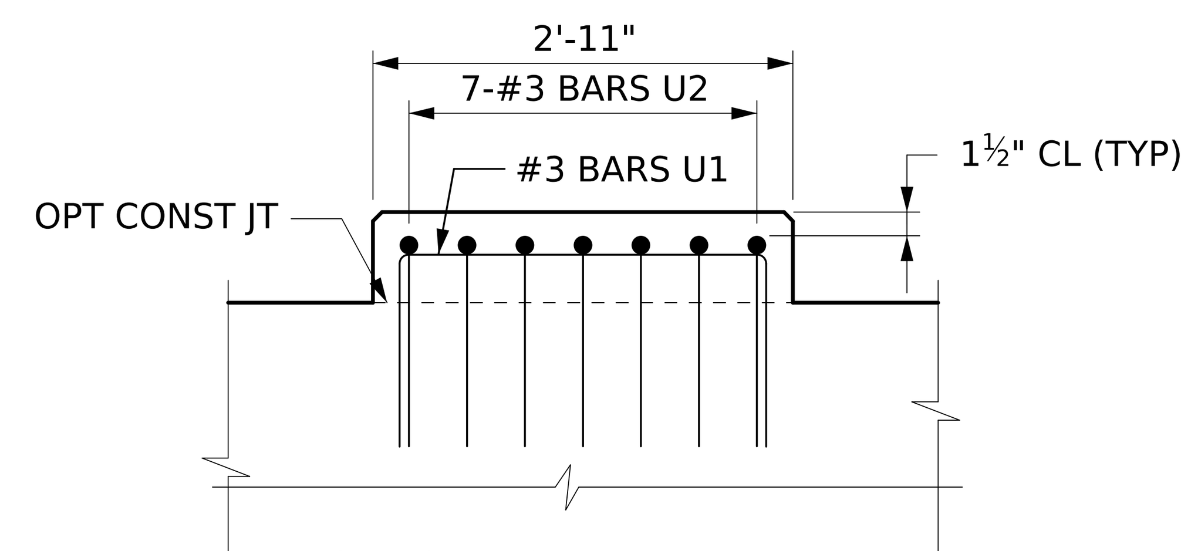
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



*PD-1
SCALE:¾" = 1'-0"



SECTION X-X
SCALE:¾" = 1'-0"



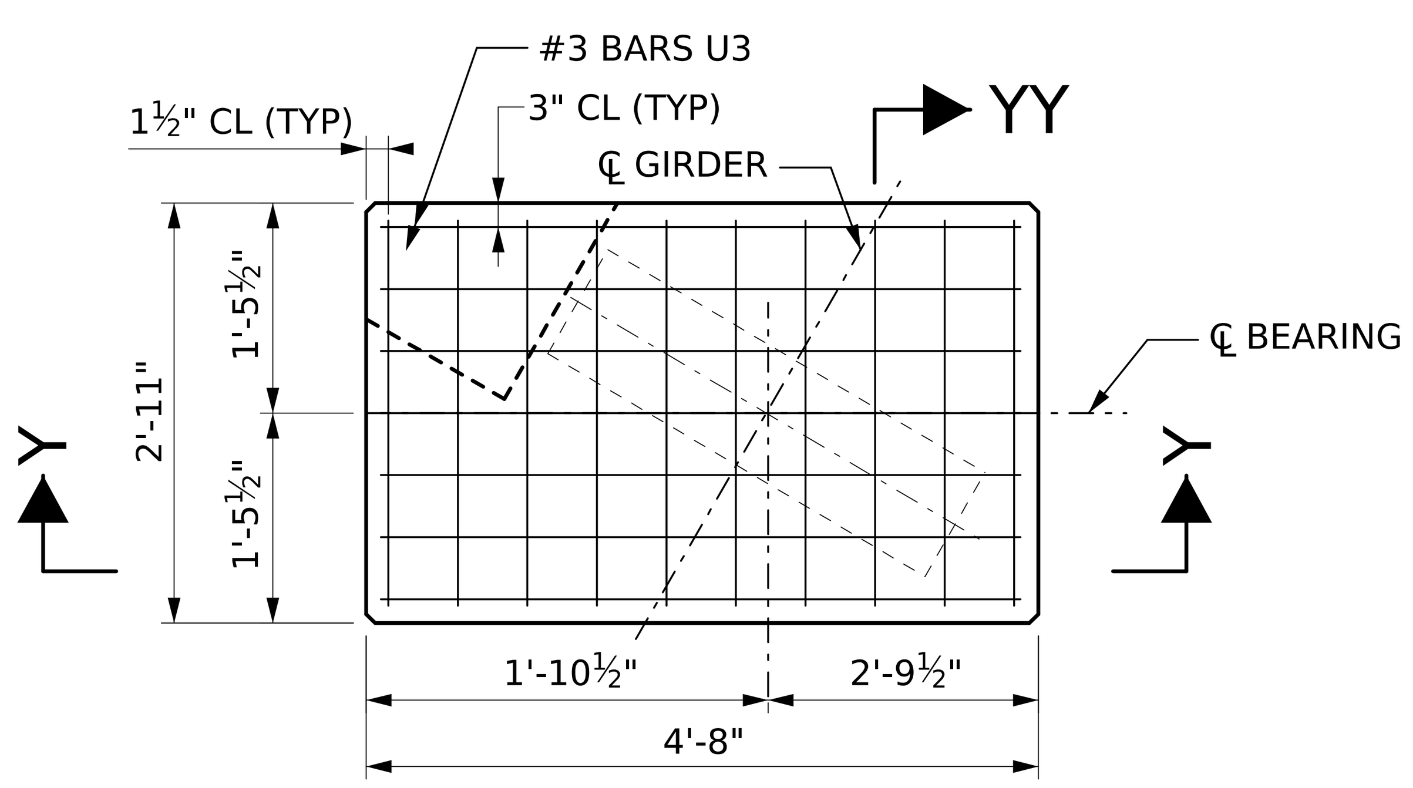
SECTION XX-XX
SCALE:¾" = 1'-0"

NOTES:

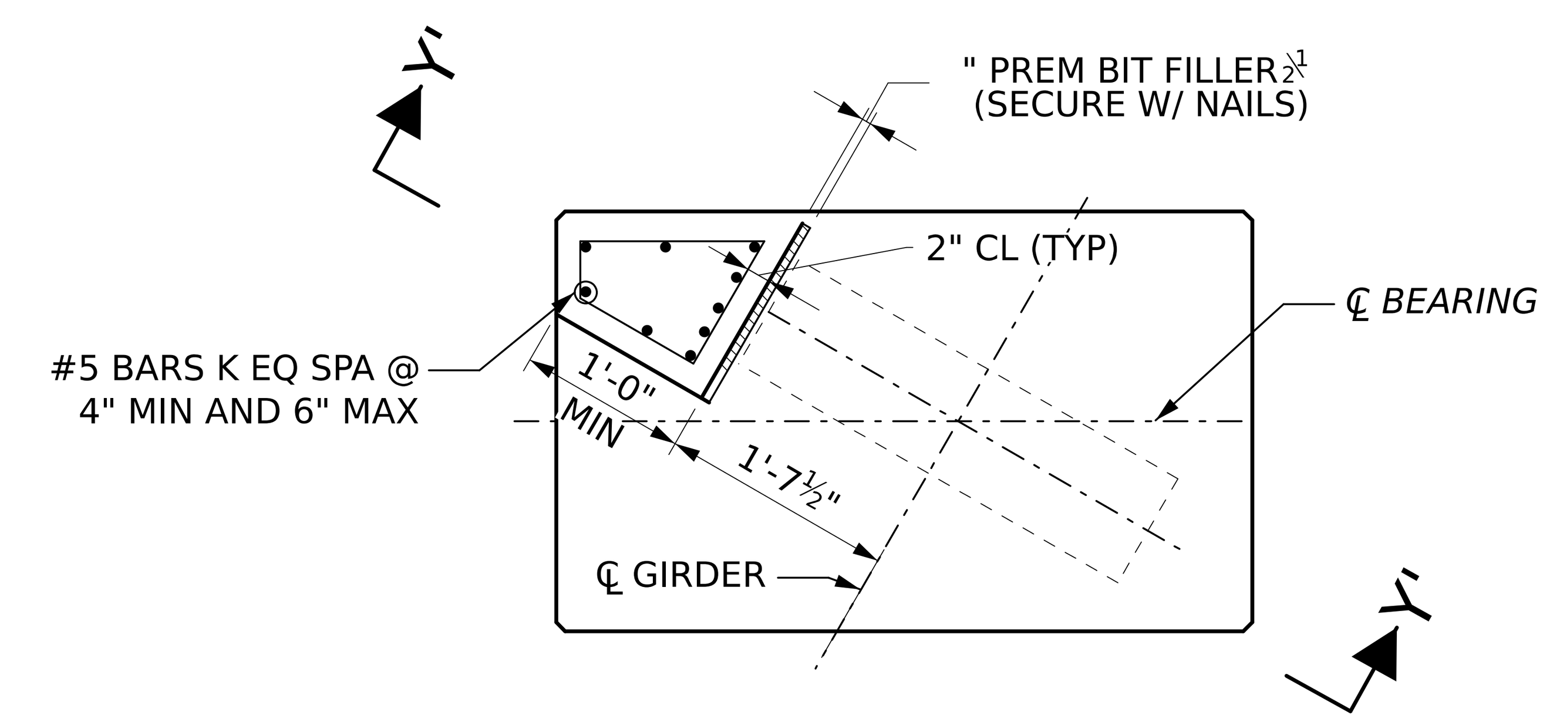
□ 1. SKID BLOCKS SHALL BE POURED SEPARATELY FROM THE PEDESTAL. BARS K SHOULD BE DRILLED IN AND A TYPE 2 EPOXY ADHESIVE SHALL BE APPLIED TO THE CONSTRUCTION JOINT LOCATION JUST PRIOR TO POURING THE SKID BLOCKS.

● 2. IN LIEU OF DRILLING, A CORRUGATED PIPE SLEEVE MAY BE USED TO LOCATE #5 BARS K USING AN APPROVED GROUT.

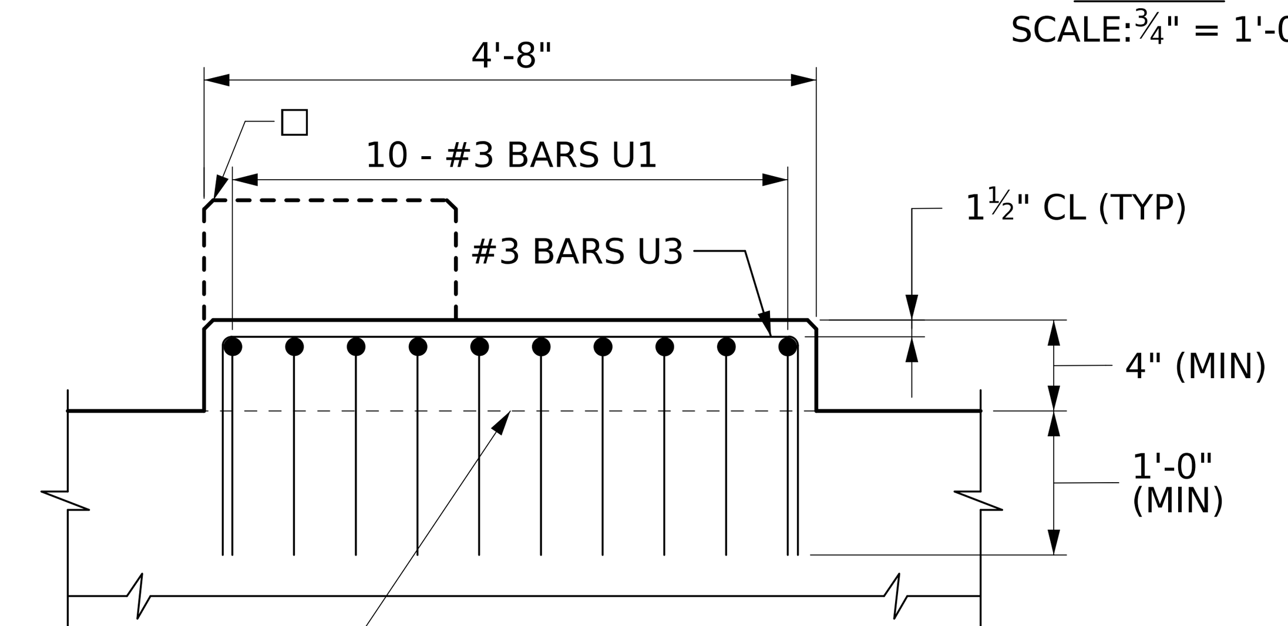
* PEDESTALS AND SKID BLOCK DETAILS ARE BASED ON THE APPROXIMATELY 30 DEGREE SKEW OF THE SPAN 1 EXTERIOR GIRDER 9E. OTHER SKID BLOCK DIMENSIONS MAY VARY SLIGHTLY WITH THE SKEW BUT PEDESTAL DIMENSIONS ARE CONSTANT.



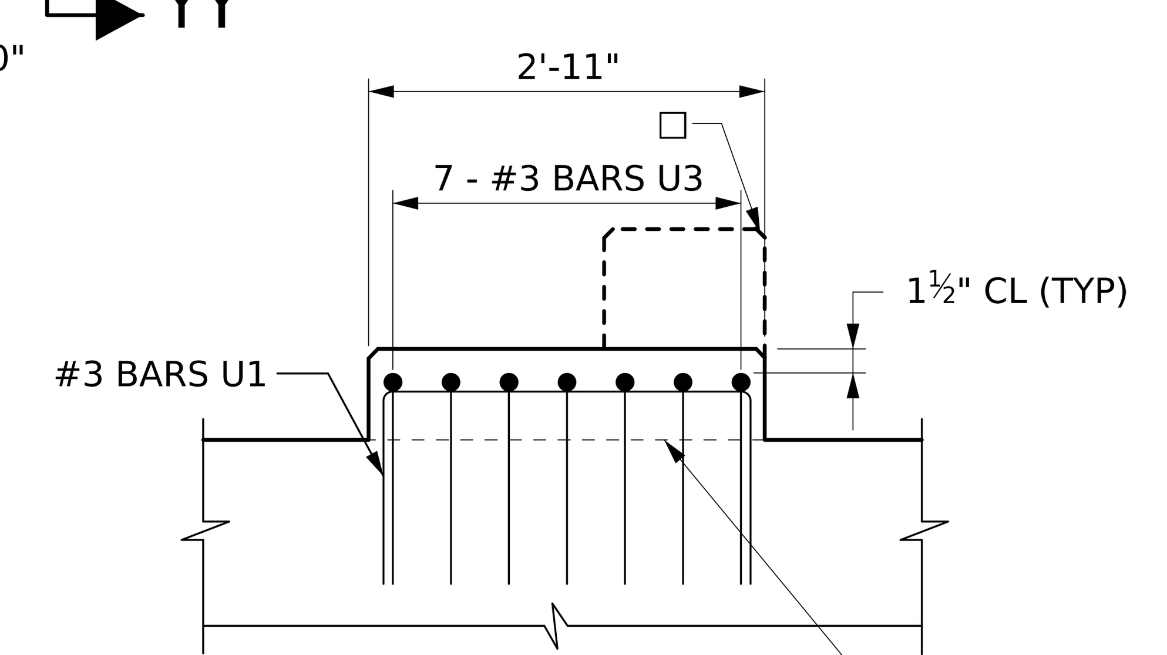
*PD-2
SCALE:¾" = 1'-0"



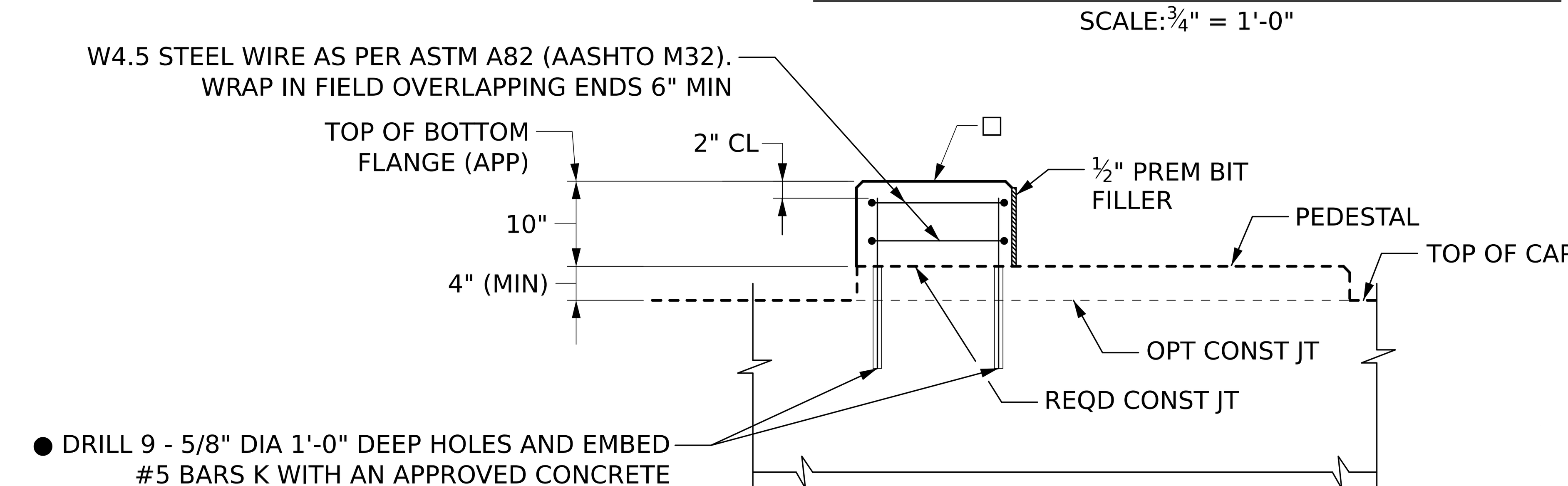
* PLAN PD-2 SKID BLOCK DETAILS
SCALE:¾" = 1'-0"



SECTION Y-Y
SCALE:¾" = 1'-0"



SECTION YY-YY
SCALE:¾" = 1'-0"



SECTION Y'-Y'
SCALE:¾" = 1'-0"

MRB-S01-BR-05049.dgn caryn.lott 4:21:35 PM 6/27/2025

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	02/21/2025	60% INTERIM SUBMITTAL
B	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL 90%

BIN(S): 021822 (WB) 021823 (EB)
COUNTY(S): MOBILE

DESIGNER: SJR DATE:
BRIDGE SHEET NO. 49 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
PEDESTAL & SKID BLOCK DETAILS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05050

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 1" 2" SHEET REFERENCE

KEY TO SYMBOLS

Kiewit

CLIENT Alabama Department of Transportation
PROJECT NAME I-10 Mobile River Bridge and Bayway
PROJECT NUMBER M23-359
PROJECT LOCATION Mobile County, AL

LITHOLOGIC SYMBOLS
(Unified Soil Classification System)

- CH: USCS High Plasticity Clay
- CL: USCS Low Plasticity Clay
- CL-ML: USCS Low Plasticity Silty Clay
- CLS: USCS Low Plasticity Sandy Clay
- FILL: Fill (made ground)
- GM: USCS Silty Gravel
- GP: USCS Poorly-graded Gravel
- GW: USCS Well-graded Gravel
- GW-GM: USCS Well-graded Gravel with Silt
- MH: USCS Elastic Silt
- ML: USCS Silt
- NO CORE
- OH: USCS High Plasticity Organic silt or clay
- SC: USCS Clayey Sand
- SC-SM: USCS Clayey Sand
- SM: USCS Silty Sand
- SP: USCS Poorly-graded Sand
- SP-SC: USCS Poorly-graded Sand with Clay
- SP-SM: USCS Poorly-graded Sand with Silt
- SW: USCS Well-graded Sand
- SW-SC: USCS Well-graded Sand with Clay
- SW-SM: USCS Well-graded Sand with Silt
- TOPSOIL: Topsoil

SAMPLER SYMBOLS

- Standard Penetration Test
- Split Spoon
- Shelby Tube

ABBREVIATIONS

LL - LIQUID LIMIT (%)
PI - PLASTIC INDEX (%)
W - MOISTURE CONTENT (%)
DD - DRY DENSITY (PCF)
NP - NON PLASTIC
-200 - PERCENT PASSING NO. 200 SIEVE
PP - POCKET PENETROMETER (TSF)

TV - TORVANE
PID - PHOTOIONIZATION DETECTOR
UC - UNCONFINED COMPRESSION
ppm - PARTS PER MILLION
Water Level at Time Drilling, or as Shown
Water Level at End of Drilling, or as Shown
Water Level After 24 Hours, or as Shown

KEY TO SYMBOLS MRB - GINT STD US LAB.GDT - 3/24/25 10:08 - C:\USERS\DENSE.VANCE\DESKTOP\MRB 2023\FIELD LOGS\GINT DATABASE\NEW\KIEWIT_MRB_2024_1.23.2025.GPJ

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 50 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
BORING LOGS SPT LEGEND

MRB-S01-BR-05050.dgn
cade.arras
9:28:25 AM
6/26/2025

BORING NO: BR05-01

Kiewit

Project: I-10 Mobile River Bridge and Bayway		Elevation (ft): 29.6
Project No: M23-359		Depth (ft): 150.0
Site Location: Mobile County, AL		Northing: 244436.476
Start Date and Time: 11/3/2024 08:00 PM		Easting: 1796546.099
End Date and Time: 11/4/2024 11:34 PM		Boring Location: Virginia Street Bridge
Logged By: KZ	Drill Method: Mud Rotary	Description: Bridge 6
Checked By: JB	Hammer Type: Auto	Alignment: I-10
Drilling Contractor: SES	Energy Ratio (%): 64.6	Station & Offset: 452+18.2 & 9.6 R
Driller: P. Byrd	Borehole Diameter (in): 4	Drilling Water Loss(-)/Gain(+): Not Observed
Drill Equipment: CME-45	Casing Diameter (in) & Casing Length (ft): 4 & 15	Water Elev. (ft): Not Recorded

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
0	30		VAC/BACKFILL									
5	25											
10	20		SILTY SAND (SM, A-2-4(0)), fine to medium sand, red, moist, medium dense		8.5 10	S-1	0-0-1 (1)		22	11		
15	15				13.5 15	S-2	8-6-6 (12)		94	10	NP	18.0
20	10				18.5 20	S-3	11-11-9 (20)		83	9		
25	5		CLAYEY SAND (SC, A-6(5)), fine sand, brown, wet, loose		23.5 25	S-4	4-4-4 (8)		75	21	21	46.2

(Continued Next Page)

BORING NO: BR05-01

Kiewit

Project: I-10 Mobile River Bridge and Bayway		Elevation (ft): 29.6
Project No: M23-359		Depth (ft): 150
Site Location: Mobile County, AL		Northing: 244436.476
Start Date and Time: 11/3/2024 08:00 PM		Easting: 1796546.099
End Date and Time: 11/4/2024 11:34 PM		Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
			CLAYEY SAND (SC, A-6(5)), fine sand, brown, wet, loose *(continued)*		25 27	T-1						
30	0				27 29	T-2						
35	-5		POORLY GRADED SAND with SILT (SP-SM), fine sand, brown, wet, medium dense		33.5 35	S-5	9-9-10 (19)		61	29		11.7
40	-10				38.5 40	S-6	9-9-8 (17)		69	25		
45	-15		POORLY GRADED SAND (SP, A-3(0)), fine sand, brown, wet, medium dense		43.5 45	S-7	8-8-8 (16)		58	26	NP	4.6
50	-20		SILTY SAND (SM), fine sand, brown to gray, wet, loose		48.5 50	S-8	5-4-4 (8)		78	22		
					50 52	T-3			100			
					52 53.5	T-4						
55	-25		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, trace fine gravel, orangish brown to yellowish brown to yellowish gray, moist, medium dense to dense		53.5 55	S-9	9-22-25 (47)		75	21		

(Continued Next Page)

BORING NO: BR05-01

Kiewit

Project: I-10 Mobile River Bridge and Bayway		Elevation (ft): 29.6
Project No: M23-359		Depth (ft): 150
Site Location: Mobile County, AL		Northing: 244436.476
Start Date and Time: 11/3/2024 08:00 PM		Easting: 1796546.099
End Date and Time: 11/4/2024 11:34 PM		Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
			POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, trace fine gravel, orangish brown to yellowish brown to yellowish gray, moist, medium dense to dense *(continued)*									
60	-30				58.5 60	S-10	18-20-20 (40)		86	19		5.9
65	-35				63.5 65	S-11	10-10-16 (26)		58	23		
			POORLY GRADED SAND (SP), fine to coarse sand, trace gravel, tan, wet, medium dense		68.5 70	S-12	10-14-12 (26)		50	22		5.0
70	-40											
75	-45		POORLY GRADED SAND with SILT (SP-SM, A-3(0)), fine to medium sand, tannish gray, moist, medium dense to dense		73.5 75	S-13	10-13-14 (27)		53	23	NP	5.3
80	-50				78.5 80	S-14	13-21-20 (41)		53	22		
			POORLY GRADED SAND (SP), fine to coarse sand, trace gravel, tannish gray, wet, loose to medium dense									
85	-55				83.5 85	S-15	5-4-5 (9)		44	21		3.0

(Continued Next Page)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit

KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 51 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
TEST BORING RECORD SHEET

MRB-S01-BR-05051.dgn
cade.arras
9:28:44 AM
6/26/2025

0 1" SHEET REFERENCE 2"

BORING NO: BR05-01

Kiewit

PAGE 4 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 29.6
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244436.476
Start Date and Time: 11/3/2024 08:00 PM	Easting: 1796546.099
End Date and Time: 11/4/2024 11:34 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
90	-60		POORLY GRADED SAND (SP), fine to coarse sand, trace gravel, tannish gray, wet, loose to medium dense *(continued)*									
					88.5 90	S-16	20-15-13 (28)		78	22		
95	-65		POORLY GRADED SAND with SILT (SP-SM), fine to coarse sand, tannish gray, wet, medium dense		93.5 95	S-17	9-10-12 (22)		50	23		6.9
100	-70		POORLY GRADED SAND (SP), fine to medium sand, tannish gray, wet, medium dense		98.5 100	S-18	12-17-10 (27)		78	25		4.5
105	-75		SILTY SAND (SM, A-2-4(0)), fine sand, tan to orange, wet, medium dense									
110	-80		CLAYEY SAND (SC), fine sand, gray, wet, medium dense		108.5 110	S-19	9-8-8 (16)		83	25	NP	20.0
115	-85		LEAN CLAY (CL, A-7-6(24)), little sand, gray, moist, stiff									

(Continued Next Page)

BORING NO: BR05-01

Kiewit

PAGE 5 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 29.6
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244436.476
Start Date and Time: 11/3/2024 08:00 PM	Easting: 1796546.099
End Date and Time: 11/4/2024 11:34 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
120	-90		LEAN CLAY (CL, A-7-6(24)), little sand, gray, moist, stiff *(continued)*									
					118.5 120	S-20	4-5-5 (10)		94	33	29	85.5
125	-95		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, gray, moist, dense to very dense									
130	-100				128.5 130	S-21	4-22-28 (50)		100	25		
135	-105											
140	-110				138.5 140	S-22	23-21-17 (38)		67	25		5.3
145	-115											

(Continued Next Page)

BORING NO: BR05-01

Kiewit

PAGE 6 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 29.6
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244436.476
Start Date and Time: 11/3/2024 08:00 PM	Easting: 1796546.099
End Date and Time: 11/4/2024 11:34 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
150	-120		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, gray, moist, dense to very dense *(continued)*									
					148.5 150	S-23	21-23-33 (56)		78	25		

Borehole Terminated at 150.0 feet.

ALABAMA DEPARTMENT OF TRANSPORTATION	A	SJR	06/16/2025	90% FINAL SUBMITTAL	PE STAMP DATE	PE STAMP DATE	QR CODE	Kiewit	KIEWIT MASSMAN TRAYLOR A JOINT VENTURE		PLAN SUBMITTAL	BIN(S): 021822 (WB) 021823 (EB)
											90%	COUNTY(S): MOBILE
	REV. NO.	BY	DATE	DESCRIPTION OF REVISION							DESIGNER: _____ DATE: _____	BRIDGE SHEET NO. 52 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
TEST BORING RECORD SHEET

MRB-S01-BR-05052.dgn
cade.arras
9:29:04 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05053

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

BORING NO: BR05-04

Kiewit

PAGE 1 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 30.5
Project No: M23-359	Depth (ft): 150.0
Site Location: Mobile County, AL	Northing: 244635.551
Start Date and Time: 11/19/2024 08:50 PM	Easting: 1796768.232
End Date and Time: 11/20/2024 01:20 PM	Boring Location: Virginia Street Bridge

Logged By: KZ	Drill Method: Mud Auger	Description: Bridge 6
Checked By: JB	Hammer Type: Auto	Alignment: I-10
Drilling Contractor: AM Drill	Energy Ratio (%): 98.4	Station & Offset: 455+08.6 & 77.6 R
Driller: Dave	Borehole Diameter (in): 4	Drilling Water Loss(-)/Gain(+): Not Observed
Drill Equipment: D-50	Casing Diameter (in) & Casing Length (ft): No Casing	Water Elev. (ft): Not Recorded

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
0	30		VAC/BACKFILL									
5	25											
				X	8.5 10	S-1	0-0-2 (2)		44	21		
10	20		POORLY GRADED SAND with SILT (SP-SM), fine sand, reddish brown, moist, dense									
				X	13.5 15	S-2	14-14-18 (32)		33	17		9.1
15	15											
			SILTY SAND (SM), fine to medium sand, reddish brown, moist, dense	X	18.5 20	S-3	12-17-24 (41)		33	14		15.8
20	10											
			SILTY SAND (SM), gray, wet, very soft	X	23.5 25	S-4	3-1-0 (1)		100	22		26.7
25												

(Continued Next Page)

BORING NO: BR05-04

Kiewit

PAGE 2 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 30.5
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244635.551
Start Date and Time: 11/19/2024 08:50 PM	Easting: 1796768.232
End Date and Time: 11/20/2024 01:20 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
	-5		SILTY SAND (SM), gray, wet, very soft *(continued)*									
			CLAYEY SAND (SC, A-6(3)), fine sand, gray, wet, very loose									
30	0			X	28.5 30	S-5	0-0-0 (0)		56	31	14	46.8
			FAT CLAY (CH), some silt, gray, wet, very soft									
35	-5			X	33.5 35	S-6	0-0-0 (0)		100	34		
			SANDY LEAN CLAY (CL), gray, moist, medium stiff									
40	-10			X	38.5 40	S-7	6-3-3 (6)		72	36		51.9
			LEAN CLAY (CL), gray, wet, very soft									
45	-15			X	43.5 45	S-8	0-0-0 (0)		44	46		
50	-20			X	48.5 50	S-9	0-0-0 (0)		36	59		86.3
			SILTY SAND (SM), fine to medium sand, yellowish tan and tan, moist, dense to very dense									
55				X	53.5 55	S-10	14-22-29 (51)		33	20		

(Continued Next Page)

BORING NO: BR05-04

Kiewit

PAGE 3 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 30.5
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244635.551
Start Date and Time: 11/19/2024 08:50 PM	Easting: 1796768.232
End Date and Time: 11/20/2024 01:20 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
	-25		SILTY SAND (SM), fine to medium sand, yellowish tan and tan, moist, dense to very dense *(continued)*									
60				X	58.5 60	S-11	13-20-24 (44)		33	24		13.2
	-30											
65				X	63.5 65	S-12	18-20-21 (41)		22	15		
	-35		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, dense									
70				X	68.5 70	S-13	11-14-23 (37)		33	20		7.5
	-40		SILTY SAND (SM), fine to medium sand, tan, moist, dense									
75	-45			X	73.5 75	S-14	7-17-17 (34)		36	18		
			POORLY GRADED SAND (SP, A-1-b(0)), fine to medium sand, tan, moist, medium dense to dense									
80	-50			X	78.5 80	S-15	8-12-21 (33)		44	23	NP	2.8
85				X	83.5 85	S-16	8-10-17 (27)		39	20		

(Continued Next Page)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit

KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 53 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
TEST BORING RECORD SHEET

MRB-S01-BR-05053.dgn
cade.arras
9:29:23 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05054

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BORING NO: BR05-04

Kiewit — PAGE 4 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 30.5
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244635.551
Start Date and Time: 11/19/2024 08:50 PM	Easting: 1796768.232
End Date and Time: 11/20/2024 01:20 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
	-55		POORLY GRADED SAND (SP, A-1-b(0)), fine to medium sand, tan, moist, medium dense to dense *(continued)*									
			POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, dense									
90	-60			X	88.5 90	S-17	15-17-30 (47)		50	24		5.7
			POORLY GRADED SAND (SP), fine to medium sand, tan, moist, dense to very dense									
95	-65			X	93.5 95	S-18	18-24-32 (56)		39	23		
100	-70			X	98.5 100	S-19	13-17-22 (39)		50	21		4.3
105	-75		SANDY LEAN CLAY (CL, A-6(14)), fine sand, gray, moist, stiff									
110	-80			X	108.5 110	S-20	0-3-6 (9)		100	32	26	65.0
115			SILTY SAND (SM), dark gray, moist, dense									

(Continued Next Page)

BORING NO: BR05-04

Kiewit — PAGE 5 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 30.5
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244635.551
Start Date and Time: 11/19/2024 08:50 PM	Easting: 1796768.232
End Date and Time: 11/20/2024 01:20 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
	-85		SILTY SAND (SM), dark gray, moist, dense *(continued)*									
120	-90			X	118.5 120	S-21	8-14-18 (32)		50	26		14.1
125	-95		SANDY LEAN CLAY (CL, A-6(13)), fine sand, gray, moist, medium stiff									
130				X	128.5 130	S-22	0-2-4 (6)		100	26	24	66.8
	-100			■	130 132	T-1			67			
				■	132 134	T-2			42			
135	-105		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, grayish tan, moist, dense to very dense									
140	-110			X	138.5 140	S-23	16-36-45 (81)		31	20		
145												

(Continued Next Page)

BORING NO: BR05-04

Kiewit — PAGE 6 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 30.5
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 244635.551
Start Date and Time: 11/19/2024 08:50 PM	Easting: 1796768.232
End Date and Time: 11/20/2024 01:20 PM	Boring Location: Virginia Street Bridge

DEPTH (ft)	ELEVATION (ft)	LITHOLOGY	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE DEPTH	SAMPLE NUMBER	BLOW COUNTS (N VALUE)	PPQ (tsf) (POCKET PEN.)	RECOVERY (%)	LABORATORY DATA: MOISTURE CONTENT (%)	LABORATORY DATA: PLASTICITY INDEX	LABORATORY DATA: FINES (%) PASSING #200
	-115		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, grayish tan, moist, dense to very dense *(continued)*									
150				X	148.5 150	S-24	17-20-23 (43)		33	23		5.6

Borehole Terminated at 150.0 feet.

ALABAMA DEPARTMENT OF TRANSPORTATION	REV. NO.	BY	DATE	DESCRIPTION OF REVISION
	A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL	BIN(S)	DESIGNER:	DATE:
	021822 (WB) 021823 (EB)		
90%	COUNTY(S): MOBILE	BRIDGE SHEET NO. 54 OF 63	

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
TEST BORING RECORD SHEET

MRB-S01-BR-05054.dgn cade.arras 9:29:40 AM 6/26/2025

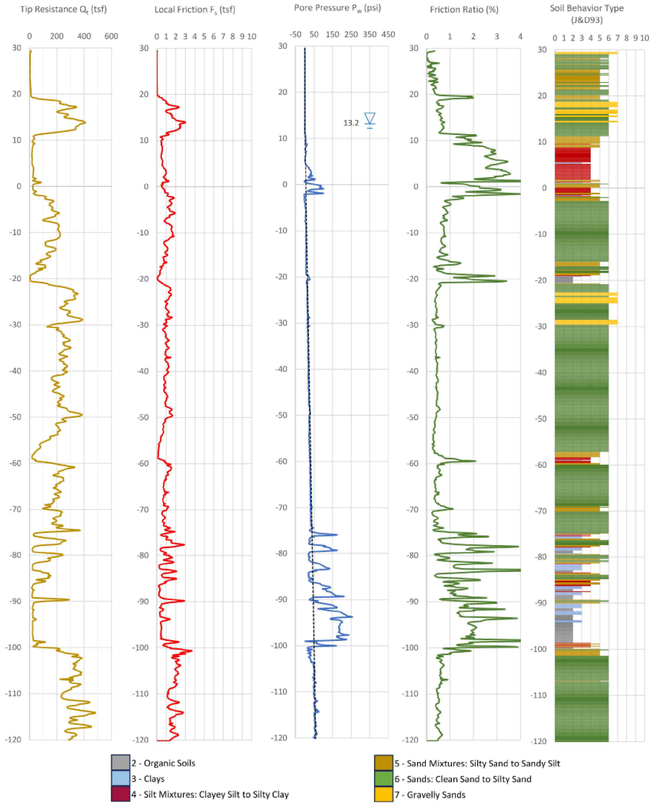
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05055

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

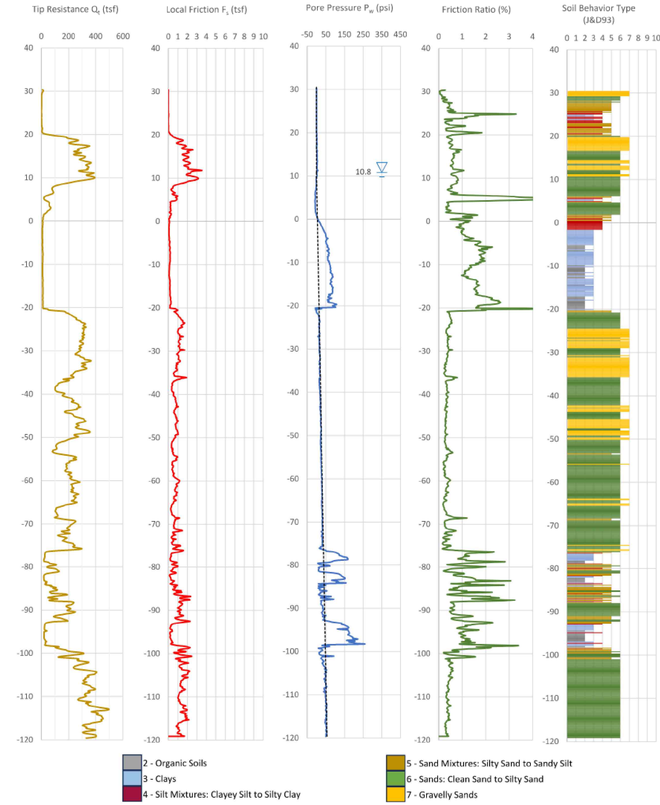
CONE PENETROMETER TEST LOG
BR05-02

SOUNDING: BR05-02 Easting: 1796595 Depth: **150.3** ft Elev.: **29.6** ft
PROJECT: Mobile River Bridge Northing: 244396 Note: Casing: 20-ft.
DATE: 11/19/2024 Operator: BRANDON GREEN



CONE PENETROMETER TEST LOG
BR05-03

SOUNDING: BR05-03 Easting: 1796725 Depth: **150.1** ft Elev.: **30.5** ft
PROJECT: Mobile River Bridge Northing: 244691 Note: Casing: 20-ft.
DATE: 11/3/2024 Operator: BRANDON GREEN



ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE | Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
90%

BIN(S): 021822 (WB) 021823 (EB)
COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____
BRIDGE SHEET NO. 55 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
CPT RECORD SHEET

MRB-S01-BR-05055.dgn
cade.arras
9:29:59 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05056

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

KEY TO SYMBOLS

Thompson Engineering, Inc

PROJECT NAME I-10 Mobile River Bridge and Bayway **CLIENT** ALDOT
ALDOT PROJECT NO: DPI-0030(005) **TE PROJECT NO:** 15-1101-0228 **PROJECT LOCATION** Baldwin, Baldwin

LITHOLOGIC SYMBOLS

- ASPHALT: Asphalt
- AUGER
- CH: USCS High Plasticity Clay
- CL: USCS Low Plasticity Clay
- CL-ML: USCS Low Plasticity Silty Clay
- CONCRETE: Concrete
- GM: USCS Silty Gravel
- GP: USCS Poorly-graded Gravel
- GP-GM: USCS Poorly-graded Gravel with Silt
- GW: USCS Well-graded Gravel
- MH: USCS Elastic Silt
- ML: USCS Silt
- SC: USCS Clayey Sand
- SC-SM: USCS Clayey Sand
- SM: USCS Silty Sand
- SP: USCS Poorly-graded Sand

SAMPLER TYPE

SS - Split Spoon
T - Shelby Tube
DCP - Dynamic Cone Penetrometer
AC - Auger Cuttings
GB - Grab Bag
NQ - Rock Core

GROUNDWATER LEGEND

Delayed Groundwater Level

Groundwater Level at TOB (Time of Boring). Water levels at the time of boring may have not been obtained due to mud rotary drilling techniques.

N.E. - Not Encountered

N.O. - Not Obtained

ABBREVIATIONS

LL	- LIQUID LIMIT (%)	%#200	- PERCENT PASSING NO. 200 SIEVE
PL	- PLASTIC LIMIT (%)	PP	- POCKET PENETROMETER (TSF)
PI	- PLASTIC INDEX (%)	TV	- TORVANE
NMC	- MOISTURE CONTENT (%)	UC	- UNCONFINED COMPRESSION
DD	- DRY DENSITY (PCF)		
NP	- NON PLASTIC		

ALDOT MRB LEGEND - GINT STD US LAB.GDT - 11/16/17 10:42 - L:\GINT PROJECTS\2015\15-1101-0228 ALDOT MRB INITIAL GEOTECHNICAL.GPJ ALDOT MRB INITIAL GEOTECHNICAL15-1101-0228 ALDOT MRB INITIAL GEOTECHNICAL.GPJ

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 56 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID TEST BORING RECORD SHEET

MRB-S01-BR-05056.dgn
cade.arras
9:30:19 AM
6/26/2025

SHEET REFERENCE 0 1" 2"

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05057

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-07	**Boring Location:**	451+65.7	**Offset:**	LT 100.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.LaFroscia
Elev.:	29.6 ft.	**Northing:**	244456.09	**Easting:**	1796465.29	**Date Started:**	10/19/2017
Total Depth:	151.0 ft.	**Soil Depth:**	151.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/20/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL; ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
0.0		Approximately 12 inches of asphalt.								
		Medium dense, moist, brown, fine to medium grained, with few gravel, SILTY SAND (SM, A-2-4(0)), FILL, LL=NP PL=NP PI=NP NMC=11.2 %#200=17.2		1.0	SS-1	7	12	11	23	
				2.5	SS-2	3	9	9	18	
5.0	25.0	Medium dense, moist, brown, fine to medium grained, with trace gravel, POORLY GRADED SAND with SILT (SP-SM), FILL		4.0	SS-3	8	12	22	34	
		Dense, moist, brown, fine to medium grained, with trace gravel, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), FILL, LL=NP PL=NP PI=NP NMC=16.5 %#200=10.5		5.5	SS-4	6	13	14	27	
		Medium dense, FILL		7.0	SS-5	7	14	17	31	
10.0	20.0	Medium dense, moist, brown, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), FILL, LL=NP PL=NP PI=NP NMC=15.2 %#200=8.5		9.5	SS-6	8	13	12	25	
15.0	15.0	Dense, moist, brown, fine to medium grained, POORLY GRADED SAND (SP), FILL		14.5	SS-7	8	16	18	34	
20.0	10.0	Dense, fine to coarse grained		19.5	SS-8	8	10	22	32	
25.0	5.0	Loose, moist, brown, medium to fine grained, with trace gravel, POORLY GRADED SAND (SP, A-1-b(0)), LL=NP PL=NP PI=NP NMC=15.6 %#200=1.7		24.5	SS-9	2	3	4	7	
30.0	0.0			29.5						

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-07	**Boring Location:**	451+65.7	**Offset:**	LT 100.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.LaFroscia
Elev.:	29.6 ft.	**Northing:**	244456.09	**Easting:**	1796465.29	**Date Started:**	10/19/2017
Total Depth:	151.0 ft.	**Soil Depth:**	151.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/20/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL; ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
30.0		Stiff, moist, brown, FAT CLAY with SAND (CH, A-7-6(25)), LL=51 PL=22 PI=29 NMC=29.7 %#200=83.2			SS-10	3	5	5	10	
35.0	-5.0	Undisturbed sample obtained from 34.0 to 36.0 feet. Approximately 24 inches of recovery. Moist, tan and reddish brown, fine grained, CLAYEY SAND (SC, A-2-6(0)), LL=28 PL=16 PI=12 NMC=28.7 %#200=32.8		34.0	T-1					
40.0	-10.0	Firm, moist, brown, FAT CLAY with SAND (CH, A-7-6(36)), LL=66 PL=22 PI=44 NMC=27.7 %#200=79.2		39.5	SS-11	1	2	4	6	
45.0	-15.0	Dense, moist, brown, fine grained, POORLY GRADED SAND with SILT (SP-SM)		44.5	SS-12	11	17	20	37	
50.0	-20.0	Medium dense		49.5	SS-13	5	5	6	11	
55.0	-25.0	Loose, fine to medium grained		54.5	SS-14	6	5	5	10	
60.0	-30.0			59.5						

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-07	**Boring Location:**	451+65.7	**Offset:**	LT 100.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.LaFroscia
Elev.:	29.6 ft.	**Northing:**	244456.09	**Easting:**	1796465.29	**Date Started:**	10/19/2017
Total Depth:	151.0 ft.	**Soil Depth:**	151.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/20/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL; ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
60.0		Medium dense, moist, brown, medium to fine grained, POORLY GRADED SAND with SILT (SP-SM, A-1-b(0)), LL=NP PL=NP PI=NP NMC=19.8 %#200=6.8			SS-15	5	8	7	15	
65.0	-35.0	Medium dense		64.5	SS-16	9	12	12	24	
70.0	-40.0	Medium dense		69.5	SS-17	7	13	12	25	
75.0	-45.0	Medium dense		74.5	SS-18	11	15	15	30	
80.0	-50.0	Dense, moist, brown, fine to medium grained, POORLY GRADED SAND (SP, A-3(0)), LL=NP PL=NP PI=NP NMC=21.3 %#200=4.8		79.5	SS-19	12	14	18	32	
85.0	-55.0	Dense		84.5	SS-20	17	22	22	44	
90.0	-60.0			89.5						

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE | Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 57 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID TEST BORING RECORD SHEET

MRB-S01-BR-05057.dgn
cade.arras
9:30:35 AM
6/26/2025

2" 1" SHEET REFERENCE 0

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-07	**Boring Location:**	451+65.7	**Offset:**	LT 100.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.LaFroscia
Elev.:	29.6 ft.	**Northing:**	244456.09	**Easting:**	1796465.29	**Date Started:**	10/19/2017
Total Depth:	151.0 ft.	**Soil Depth:**	151.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/20/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	SPT N VALUE (blows / foot) PL MC LL; ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
90.0		Dense, with trace gravel			SS-21	9	18	20	38	
95.0	-65.0	Dense, moist, brown, medium to fine grained, POORLY GRADED SAND with SILT (SP-SM, A-1-b(0)), LL=NP PL=NP PI=NP NMC=17.5 %#200=7.4		94.5	SS-22	11	21	24	45	
100.0	-70.0	Medium dense		99.5	SS-23	6	7	8	15	
105.0	-75.0	Undisturbed sample obtained from 104.0 to 106.0 feet. Approximately 24 inches of recovery. Moist, dark gray, with trace sand, FAT CLAY (CH, A-7-6(25)), LL=50 PL=27 PI=23 NMC=31.7 %#200=95.4		104.0	T-2					
110.0	-80.0	Firm, gray		109.5	SS-24	6	4	4	8	
115.0	-85.0	Undisturbed sample obtained from 114.0 to 116.0 feet. Approximately 24 inches of recovery. Moist, gray, fine grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=19.0 %#200=19.4		114.0	T-3					
120.0	-90.0			119.5						

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-07	**Boring Location:**	451+65.7	**Offset:**	LT 100.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.LaFroscia
Elev.:	29.6 ft.	**Northing:**	244456.09	**Easting:**	1796465.29	**Date Started:**	10/19/2017
Total Depth:	151.0 ft.	**Soil Depth:**	151.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/20/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	SPT N VALUE (blows / foot) PL MC LL; ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
120.0		Very dense, moist, gray and brown, fine to medium grained, CLAYEY SAND (SC)			SS-25	14	50	X	50+	>>
125.0	-95.0	Firm, moist, black and brown, with some organics, FAT CLAY (CH)		124.5	SS-26	3	3	4	7	
130.0	-100.0	Undisturbed sample obtained from 129.0 to 131.0 feet. Approximately 24 inches of recovery. Wet, bluish gray and brown, with sand		129.0	T-4					
135.0	-105.0	Very dense, moist, light tan, fine to medium grained, POORLY GRADED SAND (SP)		134.5	SS-27	11	20	32	52	
140.0	-110.0	Very dense, medium to fine grained		139.5	SS-28	20	38	37	75	
145.0	-115.0	Very dense, tan, fine to medium		144.5	SS-29	20	30	25	55	
150.0	-120.0			149.5						

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-07	**Boring Location:**	451+65.7	**Offset:**	LT 100.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.LaFroscia
Elev.:	29.6 ft.	**Northing:**	244456.09	**Easting:**	1796465.29	**Date Started:**	10/19/2017
Total Depth:	151.0 ft.	**Soil Depth:**	151.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/20/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	SPT N VALUE (blows / foot) PL MC LL; ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
150.0		Very dense, pale brown, fine grained			SS-30	10	23	38	61	
		Boring Terminated at 151.0 feet.								

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE | Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 58 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID TEST BORING RECORD SHEET

MRB-S01-BR-05058.dgn
cade.arras
9:30:53 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05059

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-08	**Boring Location:**	454+44.1	**Offset:**	LT 105.8	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.Tisher
Elev.:	30.4 ft.	**Northing:**	244684.87	**Easting:**	1796623.99	**Date Started:**	10/18/2017
Total Depth:	151.3 ft.	**Soil Depth:**	151.3 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/19/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 33.5 ft.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
0.0	30.0	Approximately 12.5 inches of asphalt and 2.5 inches of base material.		1.3	SS-1	9	12	12	24
		Medium dense, moist, red, fine to medium grained, SILTY SAND (SM), FILL		2.8	SS-2	8	12	12	24
5.0	25.0	Medium dense, moist, red, fine to medium grained, SILTY SAND (SM, A-2-4(0)), FILL, LL=NP PL=NP PI=NP NMC=12.6 %#200=17.5		4.3	SS-3	8	15	15	30
		Dense, FILL		5.8	SS-4	9	10	9	19
		Medium dense, FILL		7.3	SS-5	6	16	14	30
10.0	20.0	Dense, FILL		9.8	SS-6	13	12	13	25
		Medium dense, FILL		14.8	SS-7	11	14	15	29
15.0	15.0	Medium dense, moist, red, fine to medium grained, SILTY SAND (SM, A-2-4(0)), FILL, LL=NP PL=NP PI=NP NMC=13.9 %#200=15.5		19.8	SS-8	12	16	19	35
20.0	10.0	Dense, FILL		24.8	SS-9	5	3	2	5
25.0	5.0	Loose, moist, light gray, fine grained, CLAYEY SAND (SC, A-2-6(0)), LL=26 PL=14 PI=12 NMC=22.6 %#200=29.5		29.3					
30.0		Undisturbed sample obtained from 29.3 to 31.3 feet.							

● SPT N VALUE (blows / foot)
PL MC LL
▲ FINES CONTENT (%) ▲
10 20 30 40 50 60 70 80 90

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-08	**Boring Location:**	454+44.1	**Offset:**	LT 105.8	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.Tisher
Elev.:	30.4 ft.	**Northing:**	244684.87	**Easting:**	1796623.99	**Date Started:**	10/18/2017
Total Depth:	151.3 ft.	**Soil Depth:**	151.3 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/19/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 33.5 ft.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
30.0	0.0	Approximately 24 inches of recovery. Moist, gray, fine grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=22.3 %#200=22.4			T-1				
35.0	-5.0	Very soft, moist, dark gray, LEAN CLAY (CL)		34.8	SS-10	0	0	1	1
40.0	-10.0	Undisturbed sample obtained from 39.3 to 41.3 feet. Approximately 24 inches of recovery.		39.3	T-2				
45.0	-15.0	Very soft, moist, dark gray, FAT CLAY (CH)		44.8	SS-11	0	0	0	0
50.0	-20.0	Undisturbed sample obtained from 49.3 to 51.3 feet. Approximately 24 inches of recovery. Moist, light gray and light brown, FAT CLAY (CH, A-7-6(61)), LL=78 PL=25 PI=53 NMC=44.5 %#200=99.5		49.3	T-3				
55.0	-25.0	Dense, moist, tan, fine grained, POORLY GRADED SAND with SILT (SP-SM)		54.8	SS-12	6	13	17	30
60.0									

● SPT N VALUE (blows / foot)
PL MC LL
▲ FINES CONTENT (%) ▲
10 20 30 40 50 60 70 80 90

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-08	**Boring Location:**	454+44.1	**Offset:**	LT 105.8	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.Tisher
Elev.:	30.4 ft.	**Northing:**	244684.87	**Easting:**	1796623.99	**Date Started:**	10/18/2017
Total Depth:	151.3 ft.	**Soil Depth:**	151.3 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/19/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 33.5 ft.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
60.0	-30.0	Dense, brown, fine to medium grained		59.8	SS-13	12	17	21	38
65.0	-35.0	Medium dense, moist, tan, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=20.6 %#200=5.3		64.8	SS-14	12	13	11	24
70.0	-40.0	Dense		69.8	SS-15	13	20	17	37
75.0	-45.0	Dense		74.8	SS-16	12	14	23	37
80.0	-50.0	Very dense		79.8	SS-17	16	32	32	64
85.0	-55.0	Very dense		84.8	SS-18	8	17	21	38
90.0									

● SPT N VALUE (blows / foot)
PL MC LL
▲ FINES CONTENT (%) ▲
10 20 30 40 50 60 70 80 90

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)
COUNTY(S)
MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 59 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID TEST BORING RECORD SHEET

MRB-S01-BR-05059.dgn
cade.arras
9:31:13 AM
6/26/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05060

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 1" 2" SHEET REFERENCE

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-08	**Boring Location:**	454+44.1	**Offset:**	LT 105.8	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.Tisher
Elev.:	30.4 ft.	**Northing:**	244684.87	**Easting:**	1796623.99	**Date Started:**	10/18/2017
Total Depth:	151.3 ft.	**Soil Depth:**	151.3 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/19/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 33.5 ft.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
90.0	-60.0	Medium dense, moist, tan, medium to fine and coarse grained, with few gravel, POORLY GRADED SAND (SP, A-1-b(0)), LL=NP PL=NP PI=NP NMC=12.5 %#200=2.8		89.8	SS-19	8	9	9	18	
95.0	-65.0	Medium dense, with trace gravel		94.8	SS-20	5	8	11	19	
100.0	-70.0	Dense, with trace clay		99.8	SS-21	6	21	26	47	
105.0	-75.0	Medium dense		104.8	SS-22	7	5	7	12	
110.0	-80.0	Dense, moist, tan, medium to fine grained, POORLY GRADED SAND (SP, A-1-b(0)), LL=NP PL=NP PI=NP NMC=20.3 %#200=3.2		109.8	SS-23	11	17	23	40	
115.0	-85.0	Top of spoon: Loose Bottom of spoon: Firm, moist, gray, SANDY LEAN CLAY (CL)		114.8	SS-24	9	6	5	11	
120.0		Undisturbed sample obtained from 119.3 to 121.3		119.3						

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-08	**Boring Location:**	454+44.1	**Offset:**	LT 105.8	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.Tisher
Elev.:	30.4 ft.	**Northing:**	244684.87	**Easting:**	1796623.99	**Date Started:**	10/18/2017
Total Depth:	151.3 ft.	**Soil Depth:**	151.3 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/19/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 33.5 ft.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
120.0	-90.0	feet. Approximately 20 inches of recovery. Moist, gray, SANDY LEAN CLAY (CL, A-6(5)), LL=28 PL=15 PI=13 NMC=23.1 %#200=57.6		124.8	T-4					
125.0	-95.0	Dense, moist, light gray, fine grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=24.2 %#200=8.5		129.8	SS-25	16	21	20	41	
130.0	-100.0	Top of spoon: Medium dense Bottom of spoon: Stiff, moist, gray, SANDY LEAN CLAY (CL)		129.8	SS-26	9	8	8	16	
135.0	-105.0	Very dense, moist, light gray, fine grained, SILTY SAND (SM)		134.8	SS-27	13	36	49	85	
140.0	-110.0	Very dense, moist, light gray, fine to medium grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=18.7 %#200=13.1		139.8	SS-28	17	49	50/3	100+	>>
145.0	-115.0	Very dense, pale brown		144.8	SS-29	39	50/4	X	50+	>>
150.0										

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-08	**Boring Location:**	454+44.1	**Offset:**	LT 105.8	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C.Tisher
Elev.:	30.4 ft.	**Northing:**	244684.87	**Easting:**	1796623.99	**Date Started:**	10/18/2017
Total Depth:	151.3 ft.	**Soil Depth:**	151.3 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/19/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	CME 550X	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	90%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 33.5 ft.	**Delayed:**	N.O.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
150.0	-120.0	Very dense, pale brown and gray		149.8	SS-30	24	32	50/5	50+	>>
		Boring terminated at 151.3 feet.								

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
DCP - Dynamic Cone Penetrometer	NQ - Rock Core	HA - Hand Auger	

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ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE | Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL	BIN(S)	DESIGNER:	DATE:	SHEET TITLE
90%	021822 (WB) 021823 (EB)			MOBILE RIVER BRIDGE I-10 WB & EB OVER VIRGINIA ST RID TEST BORING RECORD SHEET
	COUNTY(S): MOBILE	BRIDGE SHEET NO. 60 OF 63		

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-05061

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 1" 2" SHEET REFERENCE

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-09	**Boring Location:**	3021+38.7	**Offset:**	LT 109.2	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	D.Sikdar
Elev.:	9.2 ft.	**Northing:**	244434.75	**Easting:**	1796750.35	**Date Started:**	10/1/2017
Total Depth:	40.0 ft.	**Soil Depth:**	40.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/1/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	CME45C	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	92%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	12.7 ft.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
0.0		Approximately 4 inches of topsoil.		0.0	SS-1	5	16	13	29	
		Medium dense, moist, black and dark gray, fine to medium grained, with trace organics and trace gravel, SILTY SAND (SM, A-2-4(0)), FILL, LL=NP PL=NP PI=NP NMC=9.4 %#200=21.4		1.5	SS-2	8	13	17	30	
	5.0	Medium dense, wet, black and reddish brown, fine grained, with few gravel, SILTY SAND (SM, A-2-4(0)), FILL, LL=NP PL=NP PI=NP NMC=15.6 %#200=25.8		3.0	SS-3	5	3	3	6	
5.0		Loose, wet, black, fine grained, with trace gravel, SILTY SAND (SM, A-2-4(0)), FILL, LL=NP PL=NP PI=NP NMC=20.8 %#200=24.7		4.5	SS-4	1	1	2	3	
		Very loose, gray, FILL		6.0	SS-5	0	1	1	2	
		Very loose, wet, gray, fine grained, with trace gravel, SILTY SAND (SM, A-4(0)), LL=NP PL=NP PI=NP NMC=31.3 %#200=45.3		8.5	SS-6	0	0	0	0	
10.0	0.0	Very soft, wet, gray, SANDY FAT CLAY (CH)								
				13.5	T-1					
15.0	-5.0	Undisturbed sample obtained from 13.5 to 15.5 feet. Approximately 24 inches of recovery. Wet, gray and black, with trace organics and trace gravel, SANDY FAT CLAY (CH, A-7-5(24)), LL=70 PL=33 PI=37 NMC=50.7 %#200=64.6								
				18.5	SS-7	0	0	2	2	
20.0	-10.0	Very soft								
				23.5	T-2					
25.0	-15.0	Undisturbed sample obtained from 23.5 to 25.5 feet. Approximately 24 inches of recovery. Wet, gray, SANDY FAT CLAY with GRAVEL (CH, A-7-6(12)), LL=53 PL=24 PI=29 NMC=61.5 %#200=52.5								
	-20.0	Medium dense, wet, reddish brown, fine grained, SILTY SAND (SM)		28.5	SS-8	5	7	10	17	
30.0										

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
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thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-09	**Boring Location:**	3021+38.7	**Offset:**	LT 109.2	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	D.Sikdar
Elev.:	9.2 ft.	**Northing:**	244434.75	**Easting:**	1796750.35	**Date Started:**	10/1/2017
Total Depth:	40.0 ft.	**Soil Depth:**	40.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	10/1/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	CME45C	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	92%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** N.O.	**Delayed:**	12.7 ft.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)	● SPT N VALUE (blows / foot) PL MC LL ▲ FINES CONTENT (%) ▲ 10 20 30 40 50 60 70 80 90
30.0										
				33.5	SS-9	10	17	19	36	
35.0	-25.0	Dense, wet, brown, fine to medium grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=21.8 %#200=14.6								
	-30.0	Medium dense, reddish brown		38.5	SS-10	10	12	17	29	
40.0		Boring Terminated at 40.0								

LEGEND

SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	AC - Auger Cuttings	HSA - Hollow Stem Augers	MR - Mud Rotary Wash
T - Shelby Tube	GB - Grab Bag	SSA - Solid Stem Augers	RC - Rock Coring
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ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 61 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID TEST BORING RECORD SHEET

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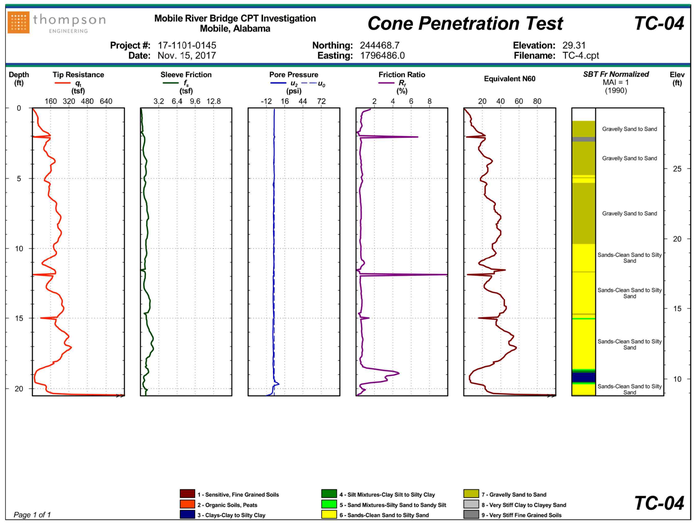


REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit

KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

90%

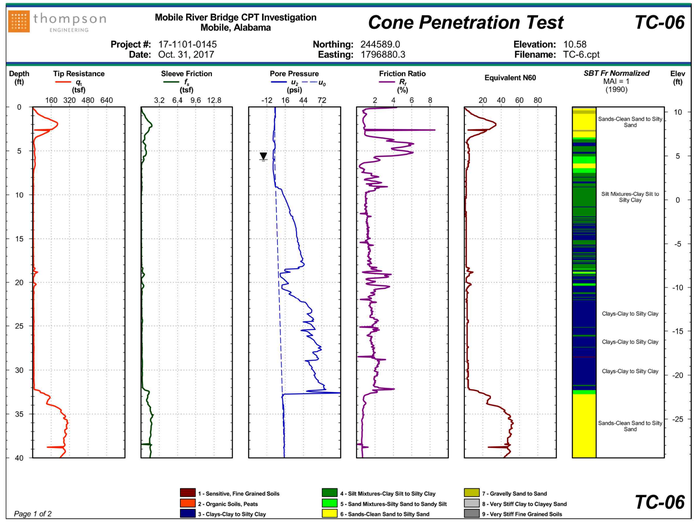
BIN(S)
021822 (WB)
021823 (EB)

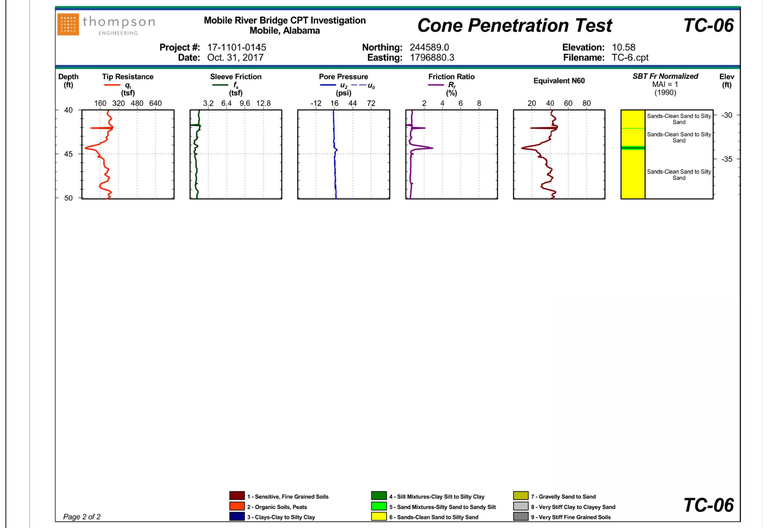
COUNTY(S)
MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 62 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID CPT RECORD SHEET





ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	SJR	06/16/2025	90% FINAL SUBMITTAL

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PLAN SUBMITTAL
90%

BIN(S)
021822 (WB)
021823 (EB)

COUNTY(S)
MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 63 OF 63

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 WB & EB OVER VIRGINIA ST
RID CPT RECORD SHEET