INDEX TO PROJECT

ALABAMA

DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED PROJECT NUMBER

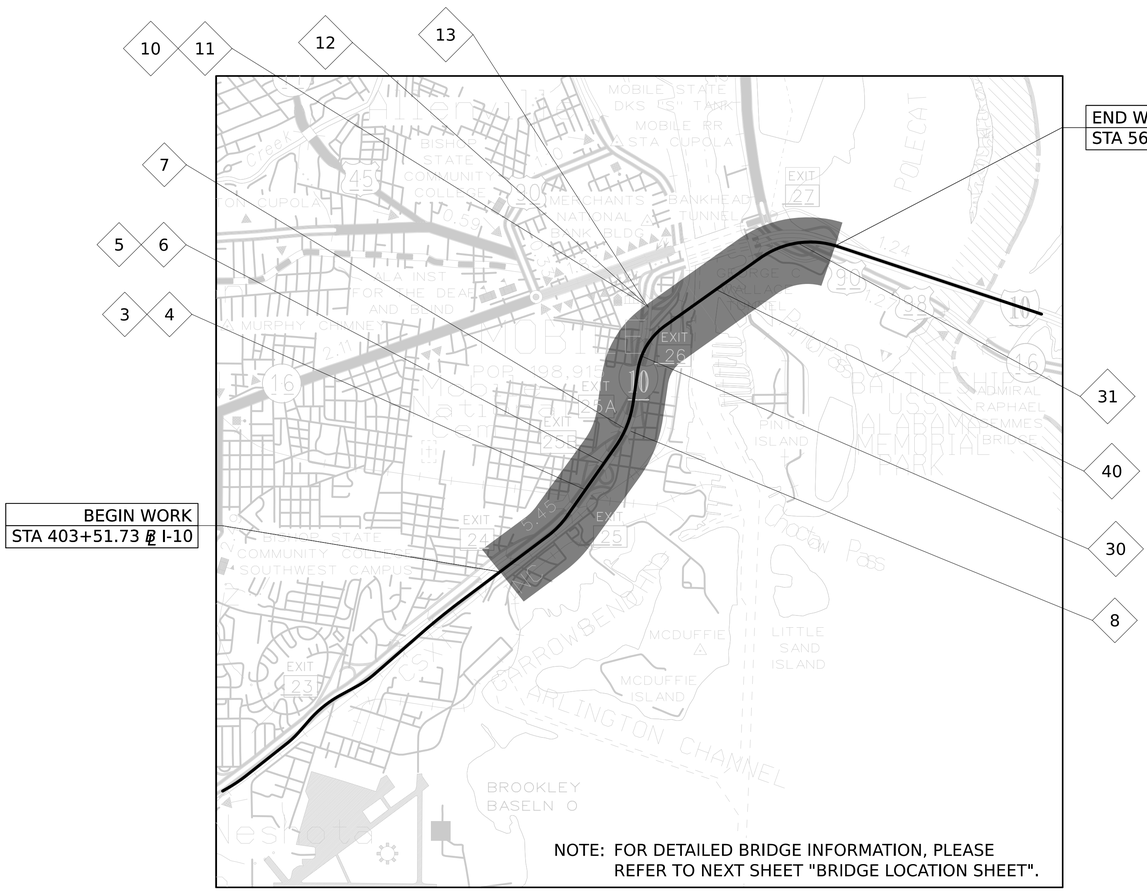
INFRA-I010(353)

MOBILE RIVER BRIDGE PROJECT

90% DESIGN

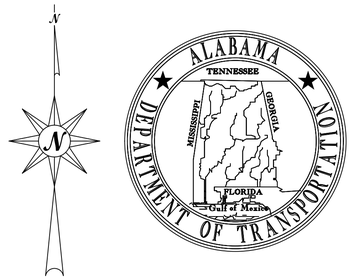
I-10 BUS EB OVER CANAL STREET

MOBILE COUNTY



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

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

KIEWIT
MASSMAN
TRAYLOR
A JOINT VENTURE

Kiewit

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

6/11/2025 6:12:31 PM cade.arras MRB-S01-GN-11001.dgn

BRIDGE LOCATION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-GN-11002

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

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 =

Why are skipping 9?

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL
IFE

BIN(S)
COUNTY(S)

DESIGNER: DATE:

BRIDGE SHEET NO. OF

SHEET TITLE
BRIDGE LOCATION SHEET

MRB-S01-GN-11002.dgn kirk.mcdonald 2:42:15 PM 6/18/2025

INDEX OF SHEETS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11003

*	REV	DATE	SHEET NO	DESCRIPTION
*	A	06/13/2025	S01-GN-11001	TITLE SHEET
*	A	06/13/2025	S01-GN-11002	BRIDGE LOCATION SHEET
*	B	06/13/2025	S01-GN-11003	INDEX OF SHEETS
*	B	06/13/2025	S01-GN-11004	PROJECT ABBREVIATION SHEET
*	A	06/13/2025	S01-BR-11001	GENERAL NOTES (1 OF 2)
*	A	06/13/2025	S01-BR-11002	GENERAL NOTES (2 OF 2)
*	B	06/13/2025	S01-BR-11003	GENERAL PLAN & ELEVATION (1 OF 2)
*	B	06/13/2025	S01-BR-11004	GENERAL PLAN & ELEVATION (2 OF 2)
*	B	06/13/2025	S01-BR-11005	FOUNDATION LAYOUT (1 OF 2)
*	B	06/13/2025	S01-BR-11006	FOUNDATION LAYOUT (2 OF 2)
*	B	06/13/2025	S01-BR-11007	PILE DATA TABLE
*	A	06/13/2025	S01-BR-11008	PILE DETAILS (1 OF 3)
*	B	06/13/2025	S01-BR-11009	PILE DETAILS (2 OF 3)
*	B	06/13/2025	S01-BR-11010	PILE DETAILS (3 OF 3)
*	A	06/13/2025	S01-BR-11011	DRILLED SHAFT TABLE
*	B	06/13/2025	S01-BR-11012	JOINT LAYOUT (1 OF 2)
*	B	06/13/2025	S01-BR-11013	JOINT LAYOUT (2 OF 2)
*	B	06/13/2025	S01-BR-11014	SUPERELEVATION DIAGRAM
*	B	06/13/2025	S01-BR-11015	SPAN 1 DETAILS
*	B	06/13/2025	S01-BR-11016	SPANS 2 & 3 DETAILS
*	B	06/13/2025	S01-BR-11017	SPANS 4 & 5 DETAILS
*	B	06/13/2025	S01-BR-11018	SPAN 6 DETAILS
*	B	06/13/2025	S01-BR-11019	SPANS 7 THRU 9 DETAILS
*	B	06/13/2025	S01-BR-11020	SPAN 10 DETAILS
*	B	06/13/2025	S01-BR-11021	SPAN 11 DETAILS
*	B	06/13/2025	S01-BR-11022	SPAN 12 DETAILS
*	A	06/13/2025	S01-BR-11023	SPAN 13 DETAILS
*	A	06/13/2025	S01-BR-11024	SPAN 14 DETAILS
*	A	06/13/2025	S01-BR-11025	SPANS BILL OF REINFORCEMENT (1)
*	B	06/13/2025	S01-BR-11026	SPANS BILL OF REINFORCEMENT (2)
*	B	06/13/2025	S01-BR-11027	SPANS BILL OF REINFORCEMENT (3)
*	B	06/13/2025	S01-BR-11028	TYPICAL SECTIONS (1 OF 3)
*	B	06/13/2025	S01-BR-11029	TYPICAL SECTIONS (2 OF 3)
*	A	06/13/2025	S01-BR-11030	TYPICAL SECTIONS (3 OF 3)
*	B	06/13/2025	S01-BR-11031	FIB-45 EDGE BEAM DETAILS (1 OF 2)
*	A	06/13/2025	S01-BR-11032	FIB-45 EDGE BEAM DETAILS (2 OF 2)
*	B	06/13/2025	S01-BR-11033	FIB-54 EDGE BEAM DETAILS (1 OF 2)
*	B	06/13/2025	S01-BR-11034	FIB-54 EDGE BEAM DETAILS (2 OF 2)
*	B	06/13/2025	S01-BR-11035	FIB-45 DETAILS (1 OF 2)
*	B	06/13/2025	S01-BR-11036	FIB-45 DETAILS (2 OF 2)
*	B	06/13/2025	S01-BR-11037	FIB-54 DETAILS (1 OF 2)
*	B	06/13/2025	S01-BR-11038	FIB-54 DETAILS (2 OF 2)
*	B	06/13/2025	S01-BR-11039	SKEWED GIRDER END DETAILS
*	A	06/13/2025	S01-BR-11040	GIRDER SCHEDULE (1 OF 3)
*	A	06/13/2025	S01-BR-11041	GIRDER SCHEDULE (2 OF 3)
*	A	06/13/2025	S01-BR-11042	GIRDER SCHEDULE (3 OF 3)
*	A	06/13/2025	S01-BR-11043	DECK ELEVATIONS (1 OF 5)
*	A	06/13/2025	S01-BR-11044	DECK ELEVATIONS (2 OF 5)
*	A	06/13/2025	S01-BR-11045	DECK ELEVATIONS (3 OF 5)
*	B	06/13/2025	S01-BR-11046	DECK ELEVATIONS (4 OF 5)
*	B	06/13/2025	S01-BR-11047	DECK ELEVATIONS (5 OF 5)
*	B	06/13/2025	S01-BR-11048	BEARING DETAILS
*	B	06/13/2025	S01-BR-11049	ABUTMENT 1 DETAILS
*	B	06/13/2025	S01-BR-11050	ABUTMENT 1 DETAILS
*	B	06/13/2025	S01-BR-11051	ABUTMENT 15 DETAILS
*	B	06/13/2025	S01-BR-11052	ABUTMENT 15 DETAILS
*	B	06/13/2025	S01-BR-11053	ABUTMENT BILL OF REINFORCEMENT
*	B	06/13/2025	S01-BR-11054	BENTS 2 & 3 DETAILS
*	B	06/13/2025	S01-BR-11055	BENT 4 DETAILS
*	B	06/13/2025	S01-BR-11056	BENT 5 DETAILS
*	B	06/13/2025	S01-BR-11057	BENT 6 DETAILS
*	B	06/13/2025	S01-BR-11058	BENTS 7 THRU 10 DETAILS
*	B	06/13/2025	S01-BR-11059	BENT 11 DETAILS
*	B	06/13/2025	S01-BR-11060	BENT 12 DETAILS
*	A	06/13/2025	S01-BR-11061	BENT 13 DETAILS
*	B	06/13/2025	S01-BR-11062	BENT 14 DETAILS

*	REV	DATE	SHEET NO	DESCRIPTION
*	B	06/13/2025	S01-BR-11063	MISCELLANEOUS BENT DETAILS
*	B	06/13/2025	S01-BR-11064	BENTS BILL OF REINFORCEMENT (1)
*	B	06/13/2025	S01-BR-11065	BENTS BILL OF REINFORCEMENT (2)
*	A	06/13/2025	S01-BR-11066	PEDESTAL DETAILS (1 OF 2)
*	A	06/13/2025	S01-BR-11067	PEDESTAL DETAILS (2 OF 2)
*	A	06/13/2025	S01-BR-11068	BORING LOGS SPT LEGEND
*	A	06/13/2025	S01-BR-11069	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11070	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11071	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11072	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11073	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11074	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11075	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11076	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11077	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11078	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11079	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11080	TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11081	CPT RECORD SHEET
*	A	06/13/2025	S01-BR-11082	CPT RECORD SHEET
*	A	06/13/2025	S01-BR-11083	RID TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11084	RID TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11085	RID TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11086	RID TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11087	RID TEST BORING RECORD SHEET
*	A	06/13/2025	S01-BR-11088	RID CPT RECORD SHEET
*	A	06/13/2025	S01-BR-11089	RID CPT RECORD SHEET

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:
BRIDGE SHEET NO. OF

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
INDEX OF SHEETS

MRB-S01-GN-11003.dgn
kirk.mcdonald
2:50:31 PM
6/18/2025

PLANS ABBREVIATIONS SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-GN-11004

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

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-GN-11004.dgn
kirk.mcdonald
2:42:29 PM
6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11001

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

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 4,000 PSI UNLESS NOTED OTHERWISE.
5. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
6. ANTI GRAFFITTI COATING MUST BE PLACED ON ALL EXPOSED SURFACES OF PROPOSED WALLS AND 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:

1 - REINFORCED CONCRETE ABUTMENT 1 ON 24" CONCRETE PILES AS PER BRIDGE SHEET 3, 5, 7, 8, 49, 50, 53, AND 66.

9 - REINFORCED CONCRETE BENTS 2 THRU 10 ON 24" CONCRETE PILES AS PER BRIDGE SHEET 3-8, 54-58, 63-64, AND 66-67.

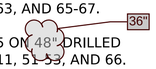
1 - REINFORCED CONCRETE BENT 11 ON 48" DRILLED SHAFT AS PER BRIDGE SHEET 4, 6, 9, 11, 59, 63-64, AND 66-67.

1 - REINFORCED CONCRETE BENT 12 ON 48" DRILLED SHAFT AS PER BRIDGE SHEET 4, 6, 9, 11, 60, 63, AND 65-67.

1 - REINFORCED CONCRETE BENT 13 ON 48" DRILLED SHAFT AS PER BRIDGE SHEET 4, 6, 9, 11, 61, 63, AND 65-67.

1 - REINFORCED CONCRETE BENT 14 ON 48" DRILLED SHAFT AS PER BRIDGE SHEET 4, 6, 9, 11, 62-63, AND 65-67.

1 - REINFORCED CONCRETE ABUTMENT 15 ON 48" DRILLED SHAFT AS PER BRIDGE SHEET 4, 6, 9, 11, 51-53, AND 66.



1 - 55'-0" PRESTRESSED CONCRETE FLORIDA-I 45 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 3, 12, 15, 25, 28, 31-32, 35-36, 39, 40, AND 42.

2 - 90'-0" PRESTRESSED CONCRETE FLORIDA-I 45 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 3, 12, 16, 25, 28, 31-32, 35-36, 39, 40, AND 42.

2 - 115'-0" PRESTRESSED CONCRETE FLORIDA-I 54 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 3, 12, 17, 25, 28, 33-34, 37-39, AND 42.

1 - 102'-7⅜" PRESTRESSED CONCRETE FLORIDA-I 54 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 3, 12, 18, 25, 28, 33-34, 37-39, AND 42.

4 - 105'-0" PRESTRESSED CONCRETE FLORIDA-I 54 BEAM, SIMPLE SPAN AND SIMPLE SPAN, AS PER BRIDGE SHEET 3, 4, 12, 19-20, 26, 28, 33-34, 37-39, 40, AND 42.

1 - 40'-0" PRESTRESSED CONCRETE FLORIDA-I 45 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 4, 12, 21, 26, 29, 31-32, 35-36, 39, 40, AND 42.

1 - 102'-6" PRESTRESSED CONCRETE FLORIDA-I 54 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 4, 13, 22, 27, 29, 33-34, 37-39, AND 41-42.

1 - 119'-0" PRESTRESSED CONCRETE FLORIDA-I 54 BEAM, SIMPLE SPAN, AS PER BRIDGE SHEET 4, 13, 23, 27, 30, 33-34, 37-39, AND 41-42.

1 - 112'-6" PRESTRESSED CONCRETE FLORIDA-I 54 BEAM, SIMPLE SPAN AND SIMPLE SPAN, AS PER BRIDGE SHEET 4, 13, 24, 27, 30, 33-34, 37-39, AND 41-42.

15 - TEST BORING RECORD PER BRIDGE SHEET 68-89.

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
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

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. _____

THESE DRAWINGS REPRESENT DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND ARE NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE SUCH USE. ANYONE MAKING UNAUTHORIZED USE OF THESE DRAWINGS MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

ACCEPTED BY
STATE BRIDGE ENGINEER DATE

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 1 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GENERAL NOTES (1 OF 2)

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6/13/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11002

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2"
1"
SHEET REFERENCE
0

STANDARD BRIDGE NOTES:

83'-1⅛" MAX ROADWAY WIDTH WITH STANDARD BARRIER RAILS.

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

Class 2

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.

(C) 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 ENCASED 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.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 2 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GENERAL NOTES (2 OF 2)

MRB-S01-BR-11002.dgn
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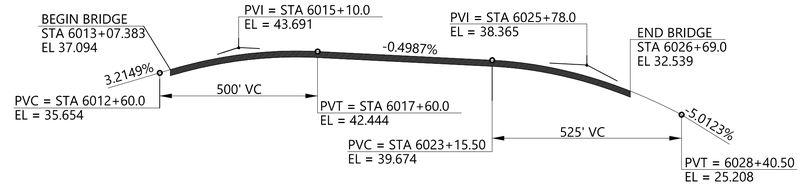
6/13/2025

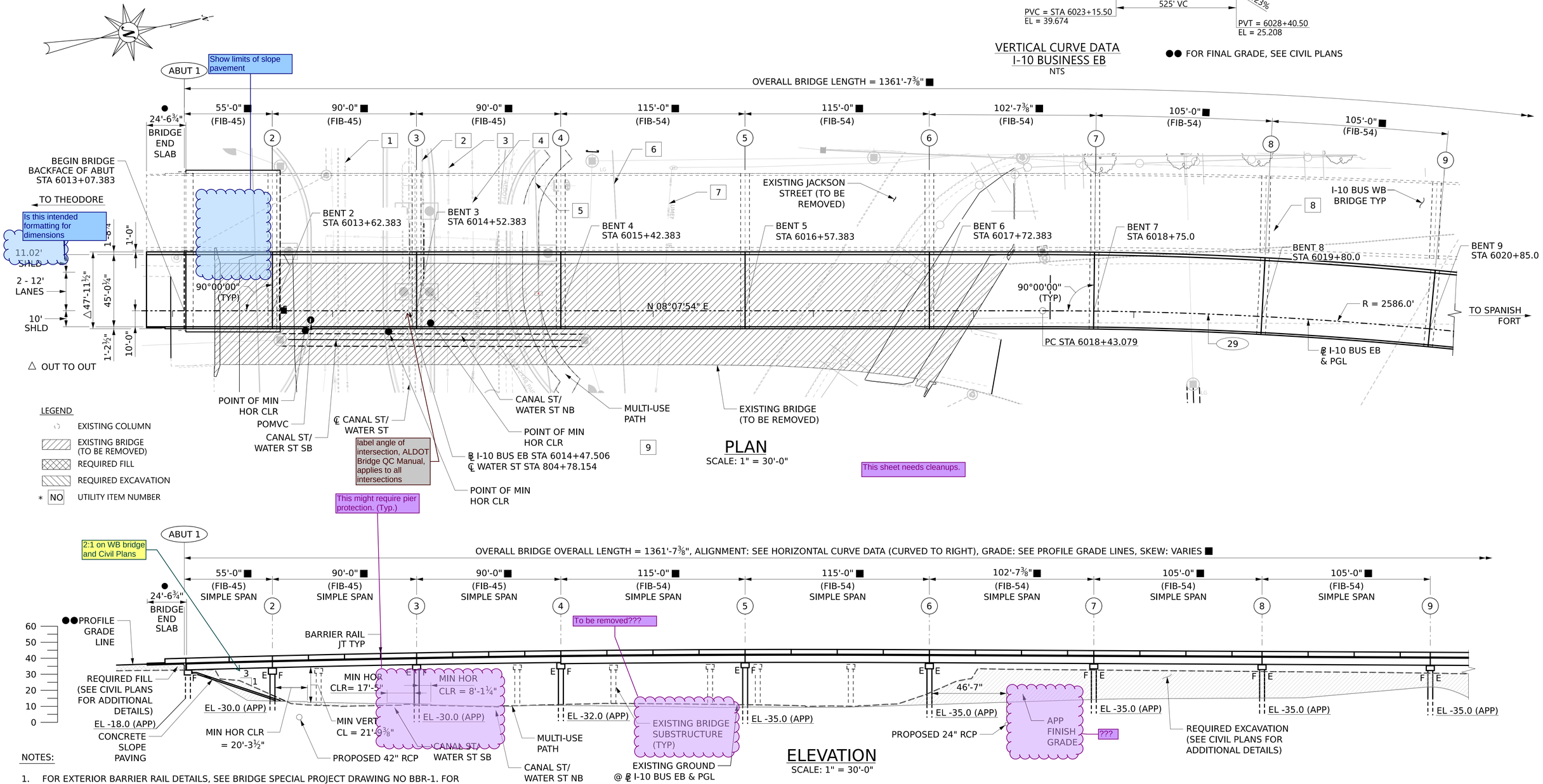
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11003

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



VERTICAL CURVE DATA
I-10 BUSINESS EB
NTS

●● FOR FINAL GRADE, SEE CIVIL PLANS



LEGEND

- EXISTING COLUMN
- EXISTING BRIDGE (TO BE REMOVED)
- REQUIRED FILL
- REQUIRED EXCAVATION
- ∗ NO — UTILITY ITEM NUMBER

PLAN
SCALE: 1" = 30'-0"

This sheet needs cleanups.

This might require pier protection. (Typ.)

ELEVATION
SCALE: 1" = 30'-0"

NOTES:

1. FOR EXTERIOR BARRIER RAIL DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING NO BBR-1. FOR INTERIOR BARRIER RAIL DETAILS, SEE 54" BARRIER DEATILS SHEET.

● 2. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING NO BES-450(IJ)BP. THE BRIDGE PLANS INCLUDE ADDITIONAL RAIL DETAILS THAT ARE INTENDED TO SUPERSEDE THAT SPECIAL PROJECT DRAWING NO BES-450(IJ)BP. INTERIOR BARRIER RAILS SHALL BE 54" AND EXTEND FULL LENGTH AND MATCH ROADWAY PROFILE.

3. D… R CLARITY. (SEE SPAN D… (OUT) OMIT DRAINS OVER TRAFFIC LANES, SIDEWALKS, UNPROTECTED SLOPE FILLS, WITHIN 10 FEET OF BRIDGE END.

Show actual roadway typical sections underneath the bridge to determine if horizontal clearance requirements are compliant. Applicable to sheet 2 of 2 as well.

■ 4. DIMENSIONS SHOWN ARE MEASURED ALONG BASELINE AND PGL.

5. ALL DECK EXPANSION JOINTS ARE OPEN JOINTS UNLESS NOTED OTHERWISE.

6. THE BIN OF EXISTING BRIDGE BEING REMOVED IS 10663.

∗ 7. FOR UTILITY IDENTIFICATION AND DISPOSITION, SEE UTILITY DISPOSITION TABLE IN FOUNDATION LAYOUT (1 OF 2) SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP — DATE
PE STAMP — DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 3 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GENERAL PLAN & ELEVATION (1 OF 2)

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cade.arras
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6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11004

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

OVERALL BRIDGE LENGTH = 1361'-7⅜"

105'-0" (FIB-54) | 105'-0" (FIB-54) | 40'-0" (FIB-45) | 102'-6" (FIB-54) | 119'-0" (FIB-54) | 112'-6" (FIB-54)

9 10 11 12 13 14 ABUT 15

24'-6¾" BRIDGE END SLAB

10

BENT 9 STA 6020+85.0

BENT 10 STA 6021+90.0

What is intersection angle at this location

PT STA 6022+29.866

℄ CLAIBORNE ST

EXISTING RAMP 3 (TO BE REMOVED)

I-10 BUS EB STA 6023+80.341
CLAIBORNE ST STA 107+36.37

EXT

POINT OF MIN HOR CLR

TO THEODORE

1'-8¾" | 47'-11½" | 45'-0¼" | 1'-2¾" | 10'-0"

90°00'00" (TYP) (TAN TO CURVE)

BENT 11 STA 6022+95.0

75°00'00" | 74°05'17" | 75°09½" | 75°00'00"

BENT 14 STA 6025+56.500

90°00'00" (TYP)

℄ I-10 BUS EB & PGL

29

R = 2586.0'

86'-0¼" | 85'-10"

83°19'07"

POINT OF MIN HOR CLR

BENT 13 STA 6024+37.500

N 16°42'04" E

66'-0¼" | 63'-11½"

TO SPANISH FORT

This sheet needs cleanups.

Label BL Ramp D and show intersection angles for this BL

out to out?

out to out?

SIDEWALK

BENT 12 STA 6023+35.0

If including out to out dimensions be consistent and show them at all bents and label out to out

MULTI-USE PATH

11

℄ WATER ST RAMP D STA 1209+07.128
℄ CLAIBORNE ST EXT STA 107+05.494

EXIST 42" SEWER TO REMAIN

per substructure sheets, bent extends past bridge limits

℄ WATER ST RAMP D

43

10'-0"

12 13

END BRIDGE BACKFACE OF ABUT STA 6026+69.0

I-10 BUS EB ON RAMP BRIDGE TO WATER STREET RAMP D

PLAN
SCALE: 1" = 30'-0"

29 **HORIZONTAL CURVE DATA**
PGL I-10 BUSINESS EAST
PI STA 6020+36.834
Δ = 08°34'11" RT
D = 2°12'56"
R = 2586.000'
L = 386.786'
T = 193.754'
e - 4.2%
TANGENT DIRECTION AT
PC = N 08°07'54" E

43 **HORIZONTAL CURVE DATA**
PGL WATER ST RAMP D
PI STA 1208+18.717
Δ = 13°47'59" RT
D = 1°46'06"
R = 3240.000'
L = 780.361'
T = 392.078'
e = NC
TANGENT DIRECTION AT
PC = N 02°54'05" E

LEGEND
*NO UTILITY ITEM NUMBER

OVERALL BRIDGE LENGTH = 1361'-7⅜", ALIGNMENT: SEE HORIZONTAL CURVE DATA (CURVED TO RIGHT). GRADE: SEE PROFILE GRADE LINES, SKEW:VARIES

3 SIMPLE SPANS WITH CONTINUOUS DECK

105'-0" (FIB-54) SIMPLE SPAN | 105'-0" (FIB-54) SIMPLE SPAN | 40'-0" (FIB-45) | 102'-6" (FIB-54) | 119'-0" (FIB-54) | 112'-6" (FIB-54) SIMPLE SPAN

9 10 11 12 13 14 ABUT 15

24'-6¾" BRIDGE END SLAB

60 50 40 30 20 10 0

BARRIER RAIL JT (TYP)

℄ REQD SLAB CONST JT AND ℄ BENT

℄ REQD SLAB CONST JT AND ℄ BENT

APP MIN HOR CLR = 8'-8½"

PROFILE GRADE LINE

Include notes for symbols on this sheet

EL -35.0 (APP) | EL -35.0 (APP) | EL -30.0 (APP) | EL -35.0 (APP) | EL -50.0 (APP) | EL -60.0 (APP)

REQUIRED EXCAVATON (SEE CIVIL PLANS FOR ADDITIONAL DETAILS)

EXISTING GROUND @ ℄ & BUS EB & PGL

CLAIBORNE STREET

APP MIN HOR CLR = 17'-4½"

APP MIN VERT CL = 20'-3½"

APP FINISH GRADE

???

REQUIRED FILL (SEE CIVIL PLANS FOR ADDITIONAL DETAILS)

EL -52.0 (APP)

CONCRETE SLOPE PAVING

3:1

2:1 in Civil Plans

Pier protection is needed.

ELEVATION
SCALE: 1" = 30'-0"

NOTES:

1. FOR LEGEND AND NOTES SEE GENERAL PLAN AND ELEVATION (1 OF 2).

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	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): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 4 OF 89

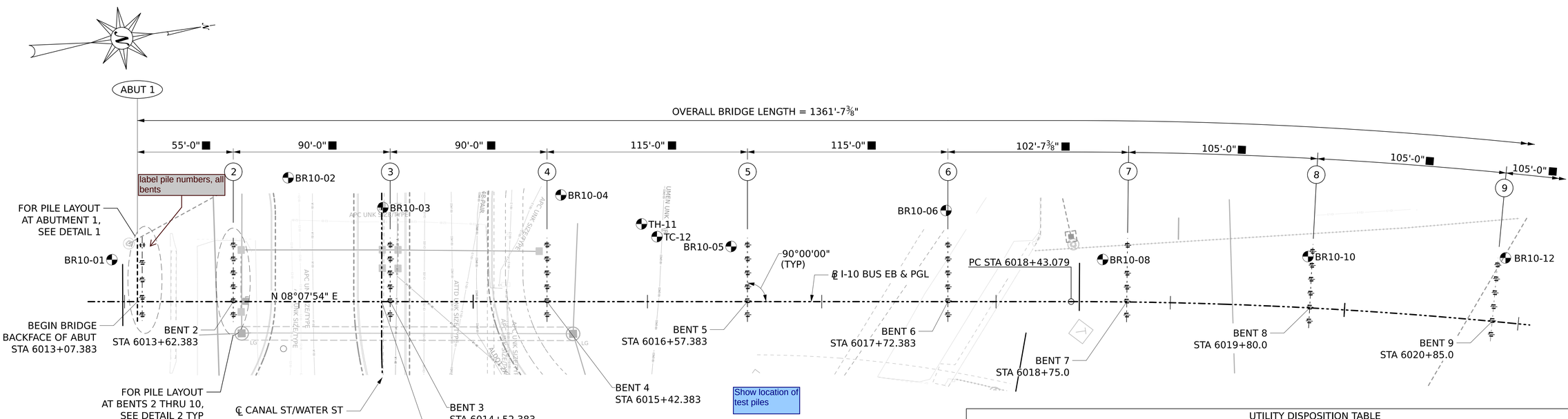
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GENERAL PLAN & ELEVATION (2 OF 2)

MRB-S01-BR-11004.dgn
cade.arras
6:16:34 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11005

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

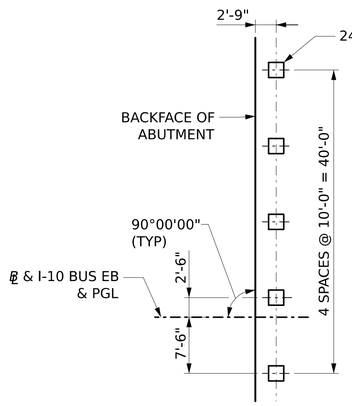


14

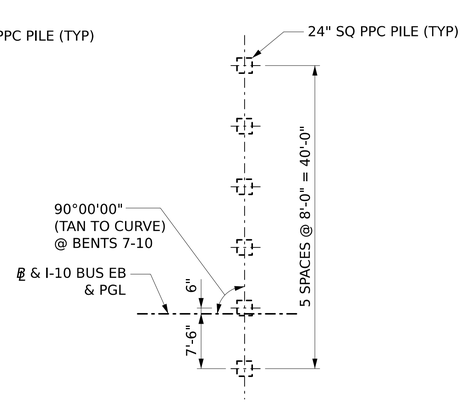
This sheet needs cleanups.

show locations or existing piles

FOUNDATION LAYOUT
SCALE: 1" = 30'-0"



DETAIL 1
NTS



DETAIL 2
NTS

UTILITY DISPOSITION TABLE		
ITEM	UTILITY	DISPOSITION
1	MAWSS - 16" DIP WATER	PROTECT IN PLACE, TO REMAIN. DEPTH RANGES 2.68' TO 2.75' DEEP
2	MAWSS - 16" DIP WATER	TO BE RELOCATED, MAY ENCOUNTER BUT OUT OF SERVICE
3	MAWSS - 15" CLAY SEWER	PROTECT IN PLACE. INVERTS APPROXIMATELY -1.3' AND AT 10' DEPTH
4	AT&T - AL BURIED FIBER	PROTECT IN PLACE, 13" CONCRETE ENCASED AT DEPTH OF 4.74'
5	APCO - BURIED ELECTRIC 23kV	NEW INSTALLATION OF BURIED ELECTRIC DUCT SYSTEM
6	CITY OF MOBILE/ ALDOT - BURIED FIBER	NEW INSTALLATION CITY OF MOBILE/ ALDOT
7	LUMEN/ LEVEL - 3 BURIED FIBER	BURIED FIBER APPROX 2.5' IN DEPTH, POTENTIAL OF RELOCATION
8	ALDOT - BURIED ELECTRIC	SYSTEM PART OF ALDOT SECONDARY VOLTAGE - TO BE REMOVED/ RELOCATED
9	VARIOUS	UNLESS NOTED OTHERWISE, FACILITY IS TO BE RELOCATED/ ABANDONED IN PLACE
10	ALDOT - BURIED ELECTRIC	SYSTEM PART OF ALDOT SECONDARY VOLTAGE - TO BE REMOVED/ RELOCATED
11	MAWSS - 42" SEWER MANHOLE	SEWER MANHOLE TO BE ADJUSTED TO NEW GRADE - PROTECT IN PLACE
12	MAWSS - 42" UNLINED CONCRETE SEWER	PROTECT IN PLACE, APPROXIMATELY INVERT AT -7.1'. NEED TO VERIFY HORIZONTAL LOCATION
13	MAWSS - 42" UNLINED CONCRETE SEWER	PROTECT IN PLACE, APPROXIMATELY INVERT AT -7.1'. NEED TO VERIFY HORIZONTAL LOCATION
14	VARIOUS	REFER TO SHEET S01-BR-11003 FOR UTILITY DISPOSITIONS

LEGEND

- 24" SQ PPC PILE
- 24" SQ PPC TEST PILE
- EXISTING BRIDGE COLUMNS
- SIGNS
- MANHOLE COVERS
- SOIL BORING OR CPT
- NO — UTILITY ITEM NUMBER

NOTES:

1. ALL PILE SPACINGS ARE SHOWN AT TOP OF PILE.
2. EXISTING CONCRETE PAVING SHALL BE REMOVED AND REPLACED AS REQUIRED FOR PILE INSTALLATION. SEE ROADWAY PLANS FOR DETAILS.
3. ■ DIMENSIONS SHOWN ARE MEASURED ALONG BASELINE AND PGL.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 5 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FOUNDATION LAYOUT (1 OF 2)

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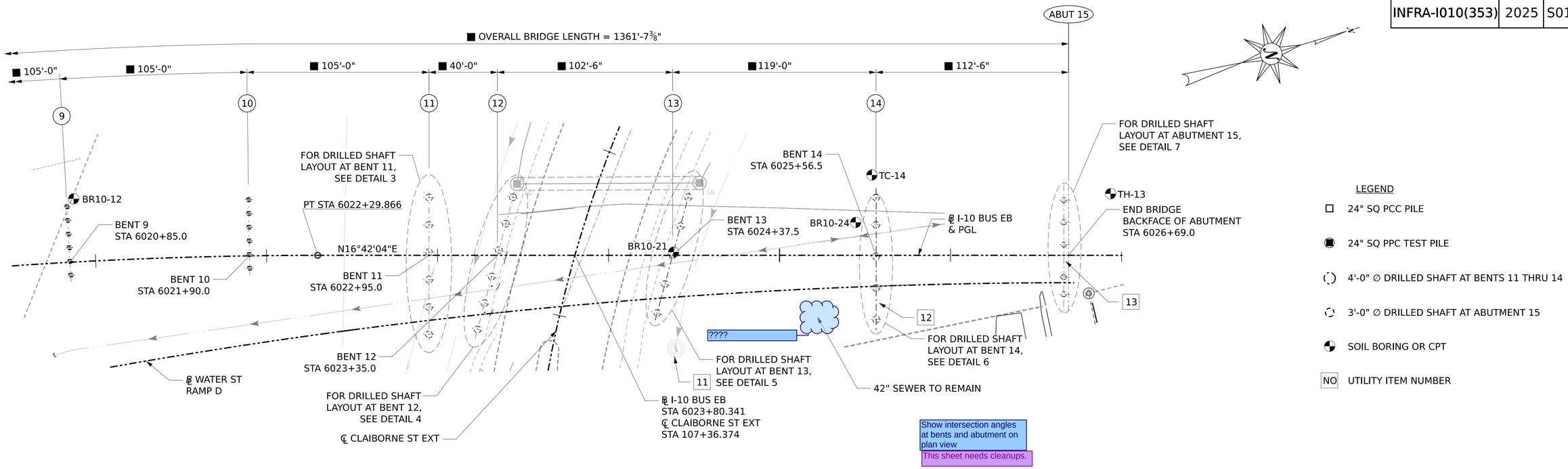
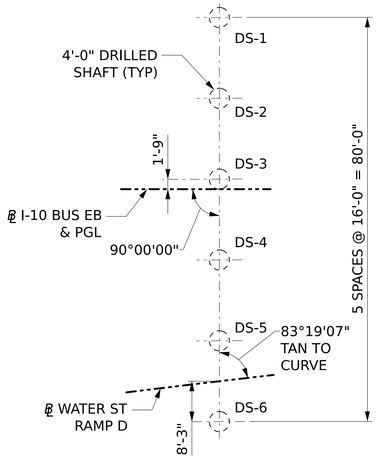
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11006

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

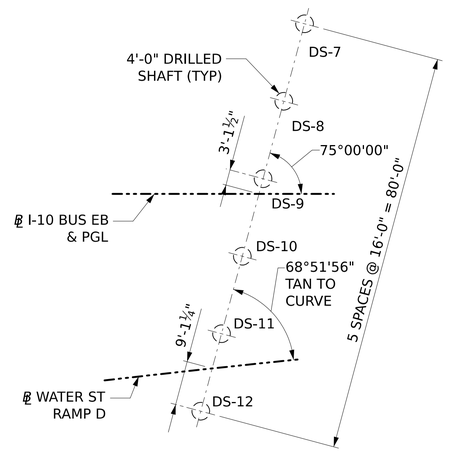
SHEET REFERENCE 0 1" 2"



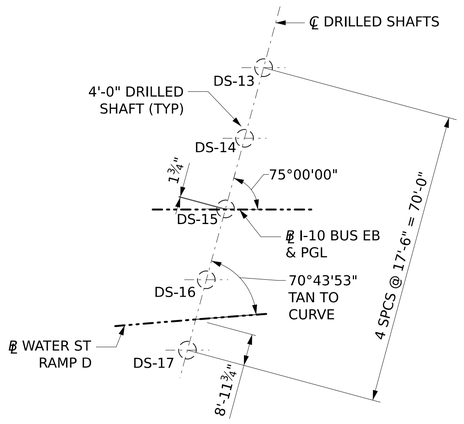
FOUNDATION LAYOUT
SCALE: 1" = 30'-0"



DETAIL 3
NTS



DETAIL 4
NTS

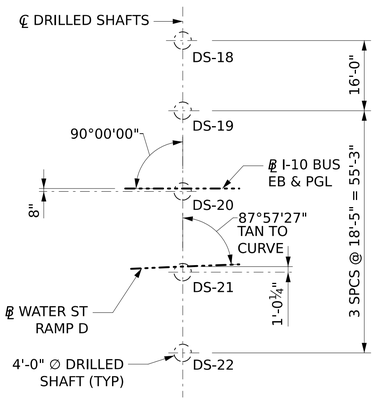


DETAIL 5
NTS

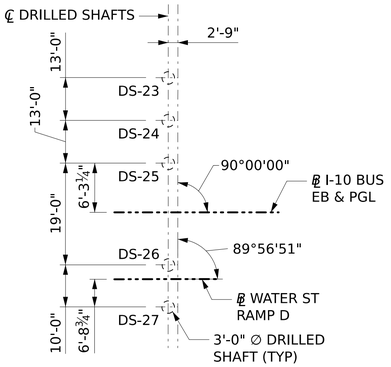
NOTE:

1. FOR FOUNDATION LAYOUT NOTES, SEE FOUNDATION LAYOUT (1 OF 2) SHEET.
2. FOR DETAIL 2, SEE FOUNDATION LAYOUT (1 OF 2) SHEET.
3. FOR UTILITY DISPOSITION TABLE, SEE FOUNDATION LAYOUT (1 OF 2) SHEET.

Details 1 and 2



DETAIL 6
NTS



DETAIL 7
NTS

ALABAMA DEPARTMENT OF TRANSPORTATION	A	LP	02/02/2024	60% INTERIM SUBMITTAL	PE STAMP DATE	PE STAMP DATE	QR CODE	Kiewit	KIEWIT MASSMAN TRAYLOR A JOINT VENTURE	VOLKERT	PLAN SUBMITTAL	BIN(S) 021828	SHEET TITLE
	B	EL	06/13/2025	90% FINAL SUBMITTAL							90%	COUNTY(S) MOBILE	MOBILE RIVER BRIDGE
	REV. NO.	BY	DATE	DESCRIPTION OF REVISION								DESIGNER: E. LEON DATE:	I-10 BUS EB OVER CANAL STREET
												BRIDGE SHEET NO. 6 OF 89	FOUNDATION LAYOUT (2 OF 2)

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6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11007

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

Is this also the Required Driving Resistance? The plans need to clearly state what the Required Driving Resistance is for pile acceptance in the field.

PILE DATA

ABUT OR BENT NO	PILE NO	PILE SIZE	NOMINAL BEARING RESISTANCE (TONS)	FACTORED DESIGN LOAD (TONS)	CUT-OFF ELEV (FT)	EST PILE TIP ELEV (FT)	NO OF BATTERED PILING	NO OF VERTICAL PILING	∅ COMPRESSION
1	1	24" SQ PPC	208	166	30.590	-24	0	1	0.8
	2	24" SQ PPC			30.370	-24	0	1	
	3	24" SQ PPC			30.150	-24	0	1	
	4	24" SQ PPC			29.930	-24	0	1	
	5	24" SQ PPC			29.710	-24	0	1	
2	1	24" SQ PPC	354	283	29.984	-41	0	1	0.8
	2	24" SQ PPC			29.808	-41	0	1	
	3	24" SQ PPC			29.632	-41	0	1	
	4	24" SQ PPC			29.456	-41	0	1	
	5	24" SQ PPC			29.280	-41	0	1	
	6	24" SQ PPC			29.104	-41	0	1	
3	1	24" SQ PPC	354	283	31.902	-41	0	1	0.8
	2	24" SQ PPC			31.726	-41	0	1	
	3	24" SQ PPC			31.550	-41	0	1	
	4	24" SQ PPC			31.374	-41	0	1	
	5	24" SQ PPC			31.198	-41	0	1	
	6	24" SQ PPC			31.022	-41	0	1	
4	1	24" SQ PPC	354	283	32.469	-41	0	1	0.8
	2	24" SQ PPC			32.293	-41	0	1	
	3	24" SQ PPC			32.117	-41	0	1	
	4	24" SQ PPC			31.941	-41	0	1	
	5	24" SQ PPC			31.765	-41	0	1	
	6	24" SQ PPC			31.589	-41	0	1	
5	1	24" SQ PPC	354	283	33.401	-60	0	1	0.8
	2	24" SQ PPC			33.225	-60	0	1	
	3	24" SQ PPC			33.049	-60	0	1	
	4	24" SQ PPC			32.873	-60	0	1	
	5	24" SQ PPC			32.697	-60	0	1	
	6	24" SQ PPC			32.521	-60	0	1	
6	1	24" SQ PPC	354	283	33.090	-60	0	1	0.8
	2	24" SQ PPC			32.914	-60	0	1	
	3	24" SQ PPC			32.738	-60	0	1	
	4	24" SQ PPC			32.562	-60	0	1	
	5	24" SQ PPC			32.386	-60	0	1	
	6	24" SQ PPC			32.210	-60	0	1	
7	1	24" SQ PPC	354	283	33.190	-60	0	1	0.8
	2	24" SQ PPC			32.854	-60	0	1	
	3	24" SQ PPC			32.518	-60	0	1	
	4	24" SQ PPC			32.182	-60	0	1	
	5	24" SQ PPC			31.846	-60	0	1	
	6	24" SQ PPC			31.510	-60	0	1	
8	1	24" SQ PPC	354	283	32.666	-60	0	1	0.8
	2	24" SQ PPC			32.330	-60	0	1	
	3	24" SQ PPC			31.994	-60	0	1	
	4	24" SQ PPC			31.658	-60	0	1	
	5	24" SQ PPC			31.322	-60	0	1	
	6	24" SQ PPC			30.986	-60	0	1	
9	1	24" SQ PPC	354	283	32.143	-60	0	1	0.8
	2	24" SQ PPC			31.807	-60	0	1	
	3	24" SQ PPC			31.471	-60	0	1	
	4	24" SQ PPC			31.135	-60	0	1	
	5	24" SQ PPC			30.799	-60	0	1	
	6	24" SQ PPC			30.463	-60	0	1	
10	1	24" SQ PPC	354	283	31.495	-60	0	1	0.8
	2	24" SQ PPC			31.159	-60	0	1	
	3	24" SQ PPC			30.823	-60	0	1	
	4	24" SQ PPC			30.487	-60	0	1	
	5	24" SQ PPC			30.151	-60	0	1	
	6	24" SQ PPC			29.815	-60	0	1	

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 the Geotechnical Design Report be referenced in the notes?

NOTES:

1. ALL UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY PILE DRIVING.
2. FOR PRECAST PRESTRESSED CONCRETE (PPC) PILE DETAILS, SEE PILE DETAILS SHEET.
3. DOWNDRAG FORCES HAVE NOT BEEN INCORPORATED INTO PILE LOADS AT THE ABUTMENTS.
4. FOR TEST PILE LOCATIONS, SEE FOUNDATION LAYOUT SHEETS IN I-10 BUS WB OVER CANAL ST BRIDGE PLANS.
5. TIP ELEVATIONS SHALL NOT BE ALTERED WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
6. NOMINAL BEARING RESISTANCE = FACTORED DESIGN LOAD / ∅.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 7 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
PILE DATA TABLE

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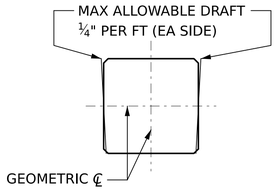
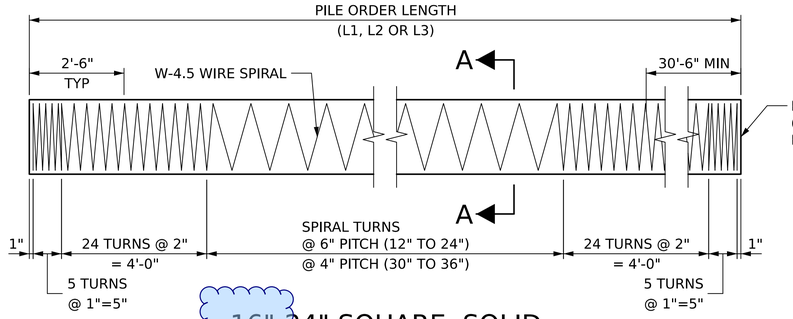
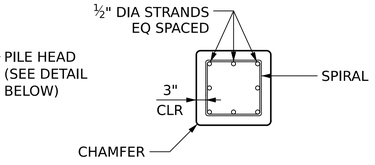
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11008



FORM DRAFT DETAIL



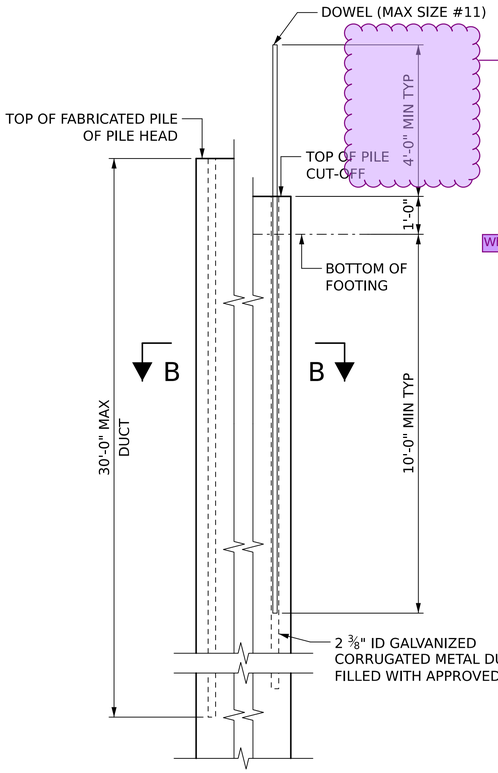
16"-24" SQUARE SOLID PRECAST PRESTRESSED CONCRETE PILES



SECTION A-A

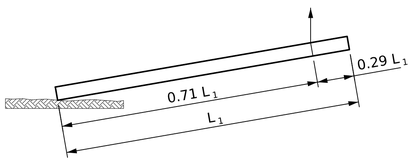
- CLEARANCES MEASURED AT CENTER LINE OF PILE.
- STRAND PROTECTION: WHEN STRANDS ARE CUT FLUSH WITH END SURFACES OF PILE, THEY SHALL BE PAINTED WITH AND APPROVDED EPOXY IMMEDIATELY AFTER CUTTING.

Use of 16"sq. prestressed piles does not apply

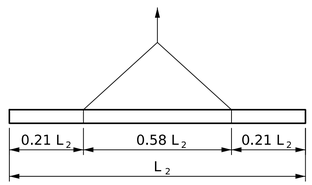


PILE HEAD CONNECTION UPLIFT / FIXED PILE DOWEL DETAILS

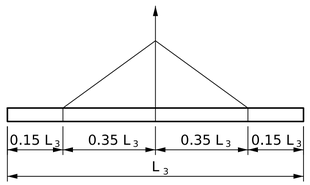
NOT TO SCALE
(SEE PILE DATA TABLE FOR THE DOWEL REQUIREMENT)



1-POINT PICK-UP



2-POINT PICK-UP



3-POINT PICK-UP

PICK-UP DETAILS

NOTE : PICK-UP POINTS TO BE PLAINLY MARKED ON PILES

PILE INFORMATION

PILE SIZE (in)	SECTION PROPERTIES					SQUARE SPIRAL LAYOUTS					
	VOID "D" (in)	AREA (in^2)	SECTION MODULUS (in^3)	WEIGHT PER FOOT (lb/ft)	CHAMFER (in)	NO. OF STRANDS	PRESTRESS IN CONCRETE (psi)		MAX CASTING LENGTH (ft)		
							AT RELEASE	AT 90 DAYS	L_1	L_2	L_3
16 SOLID	0	256	683	267	¾"	12	1373	1273	67.6	95.7	136.7
24 SOLID	0	576	2304	600	1½"	24	1227	1154	86.7	122.7	172.0

GENERAL NOTES:

1. DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020.
2. CONCRETE IN PILE: THE CONTRACTOR SHALL DESIGN AND SUBMIT FOR APPROVAL A CONCRETE MIX WITH A MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 6000 PSI AT 28 DAYS. CONCRETE STRENGTH AT THE TIME OF TRANSFER OF PRESTRESSED FORCE SHALL BE 4500 PSI OR GREATER.
3. PRESTRESSING STEEL: PRETENSIONED REINFORCEMENT SHALL BE ½" DIA. SEVEN-WIRE, UNCOATED LOW-RELAXATION STRANDS GRADE 270 AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 203. AN INITIAL TENSION OF 30,975 LBS. SHALL BE APPLIED TO EACH STRAND.
4. REINFORCING STEEL: REINFORCING STEEL SHALL BE DEFORMED STEEL BARS, GRADE 60 AND SHALL MEET THE REQUIREMENTS OF AASHTO M 31.
5. SPIRAL REINFORCING STEEL: SPIRAL REINFORCEMENT SHALL BE SIZE W-4.5 COLD-DRAWN STEEL WIRE AND SHALL CONFORM TO AASHTO M 336.
6. FABRICATION TOLERANCES: MANUFACTURE OF THE PILING AND FABRICATION TOLERANCES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE DETENSIONING PROCEDURE SHALL BE SUBMITTED TO THE EOR FOR APPROVAL.
7. CHAMFERS AND CORNERS: ON PILES 18'' OR SMALLER, ALL EXPOSED CONCRETE CORNERS SHALL HAVE ¾"CHAMFERS. ON PILES 20'' OR LARGER, ALL EXPOSED CONCRETE CORNERS SHALL HAVE 1½"CHAMFERS. A 1'' RADIUS CURVE WILL BE PERMITTED IN LIEU OF CHAMFERS SHOWN ABOVE. HOWEVER, ALL BENT PILES FURNISHED SHALL BE OF SAME CONFIGURATION.
8. PICK-UP AND HANDLING: MAXIMUM LENGTHS FOR PICK-UP HAVE BEEN DETERMINED USING THE FOLLOWING STRESS ASSUMPTIONS:

   LOADING: 1½ TIMES FULL DEAD LOAD. ALLOWABLE TENSILE STRESS EQUALS 0.19√ f'c KSI. THIS STRESS AND LOADING CRITERIA ARE BASED ON CAREFUL HANDLING OF THE PILE. ROTATION OF PILE IN THE SLING IS TO BE PREVENTED UNTIL PILE IS IN VERTICAL POSITION. PICK-UP POINTS FOR ALL PILES TO BE CLEARLY MARKED ON PILE. PICK-UP POINTS SHOWN MAY BE MODIFIED FOR TRANSPORTATION PURPOSES PROVIDED THE TENSILE STRESS BASED ON ABOVE LOADING CRITERIA DOES NOT EXCEED 0.19√ f'c KSI. THE MODIFIED PICK-UP POINTS SHALL BE SENT TO THE ENGINEER FOR REVIEW.

   PICK-UP DEVICES: CAST-IN-PLACE LOOPS MAY BE USED AS PICK-UP DEVICES FOR PRESTRESSED PILES. FOR PILE ABUTMENTS AND FOR PILE FOOTINGS THAT ARE TO BE CONSTRUCTED BELOW GROUNDLINE, THE FOLLOWING SHALL APPLY: THE LOOPS SHALL BE CUT OFF FLUSH WITH FACE OF THE PILE AND EXPOSED SURFACES OF THE LOOPS SHALL BE COATED WITH AN APPROVED EPOXY. FOR PILE BENTS AND FOR PILE FOOTINGS THAT ARE TO BE CONSTRUCTED ABOVE POOL (WATERLINE), THE FOLLOWING SHALL APPLY: A 3"x3" BY 1½'' DEEP RECESS (BLOCKOUT) SHALL BE PROVIDED AT EACH LOOP PROTRUSION. THE LOOPS SHALL BE CUT OFF FLUSH WITH THE RECESSED FACE OF THE PILE AND THE RECESS SHALL BE FILLED WITH AN APPROVED EPOXY. THE EPOXY SHALL OBTAIN THE 28-DAY STRENGTH SPECIFIED FOR THE PILE PRIOR TO DRIVING THE PILE. THE TYPE OF PICK-UP DEVICE TO BE USED BY THE CONTRACTOR SHALL BE CLEARLY SHOWN ON THE PRESTRESSED CONCRETE PILE SHOP DRAWINGS.
9. FOR UPLIFT PILE DOWELS, HOLES SHALL BE CLEANED PRIOR TO SETTING DOWEL BARS AND SHALL BE FREE OF DUST, OIL, WATER AND OTHER CONTAMINENTS. DOWEL BARS SHALL BE SET USING AN APPROVED EPOXY.
10. SHIPPING: PILING SHALL BE HELD AT THE PLANT FOR A MINIMUM OF 21 DAYS PRIOR TO SHIPPING. PILING SHALL NOT BE TRANSPORTED UNTIL THE MINIMUM 28 DAY COMPRESSIVE CONCRETE STRENGTH IS OBTAINED AND VERIFIED BY TEST CYLINDERS.
11. DRIVING: PILES SHALL BE DRIVEN TO AT LEAST THE MINIMUM TIP ELEVATION AS SHOWN ON CONTRACT PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
12. BUILD-UP: THE USE OF A BUILD-UP (DRIVING OR NON-DRIVING) SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. CONCRETE SHALL BE THE SAME JOB MIX AS THE PRESTRESS CONCRETE.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
COUNTY(S)
MOBILE

DESIGNER: E. LEON DATE:

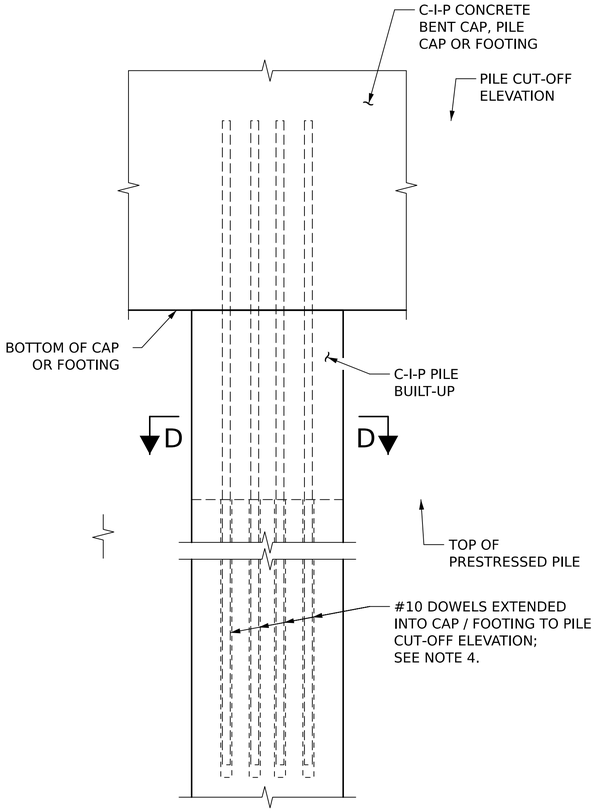
BRIDGE SHEET NO. 8 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
PILE DETAILS (1 OF 3)

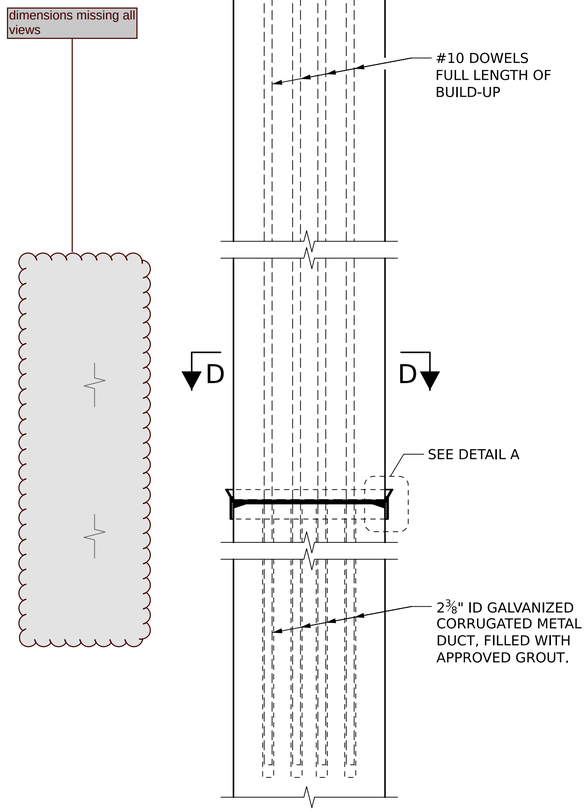
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11009

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

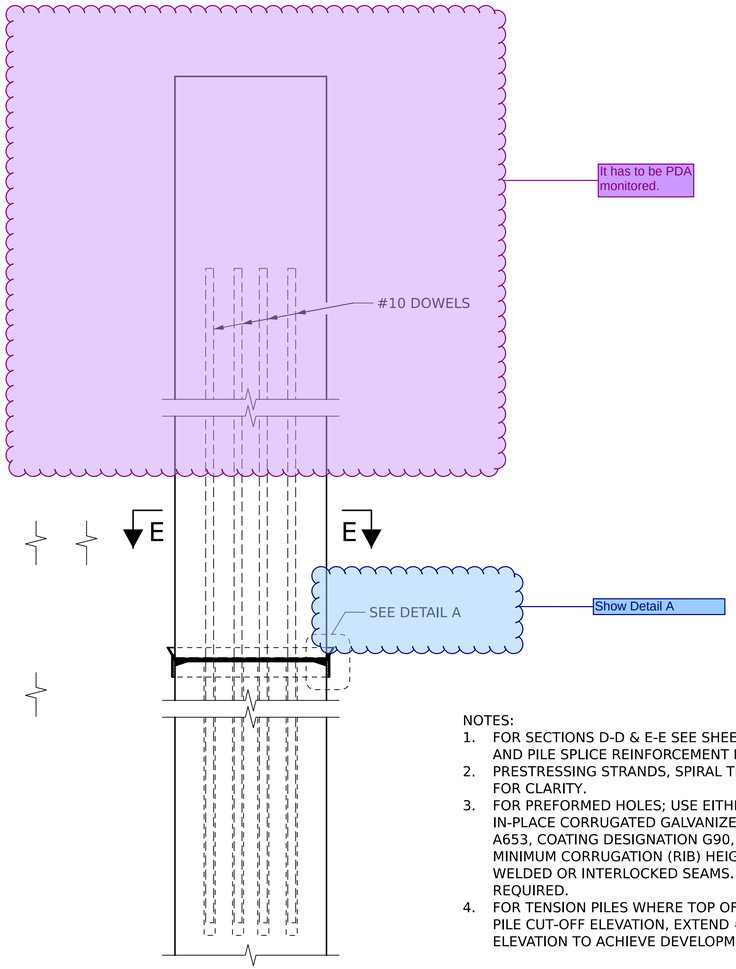
SHEET REFERENCE 0 1" 2"



UNPLANNED
REINFORCED CAST-IN-PLACE
PILE BUILD-UP DETAIL
NOT TO SCALE



NON-DRIVABLE UNPLANNED
REINFORCED PRECAST
PILE BUILD-UP DETAIL
NOT TO SCALE



DRIVABLE UNPLANNED
PRESTRESSED PRECAST
PILE SPLICE DETAIL
NOT TO SCALE

NOTES:
1. FOR SECTIONS D-D & E-E SEE SHEET 3 OF 5 FOR APPLICABLE CONCRETE PILE SIZE AND PILE SPLICE REINFORCEMENT DETAILS.
2. PRESTRESSING STRANDS, SPIRAL TIES AND/OR REINFORCEMENT ARE NOT SHOWN FOR CLARITY.
3. FOR PREFORMED HOLES; USE EITHER REMOVABLE PREFORMING MATERIAL OR STAY-IN-PLACE CORRUGATED GALVANIZED STEEL DUCTS MEETING ASTM SPECIFICATION A653, COATING DESIGNATION G90, 26 GAUGE. USE 2" DIAMETER DUCTS WITH A MINIMUM CORRUGATION (RIB) HEIGHT OF 0.12 IN. FABRICATED WITH EITHER WELDED OR INTERLOCKED SEAMS. GALVANIZING OF WELDED SEAMS IS NOT REQUIRED.
4. FOR TENSION PILES WHERE TOP OF PRESTRESSED PILE IS LESS THAN 3 FEET BELOW PILE CUT-OFF ELEVATION, EXTEND #10 DOWELS INTO CAP BEYOND PILE CUT-OFF ELEVATION TO ACHIEVE DEVELOPMENT AS APPROVED BY THE ENGINEER.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 9 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
PILE DETAILS (2 OF 3)

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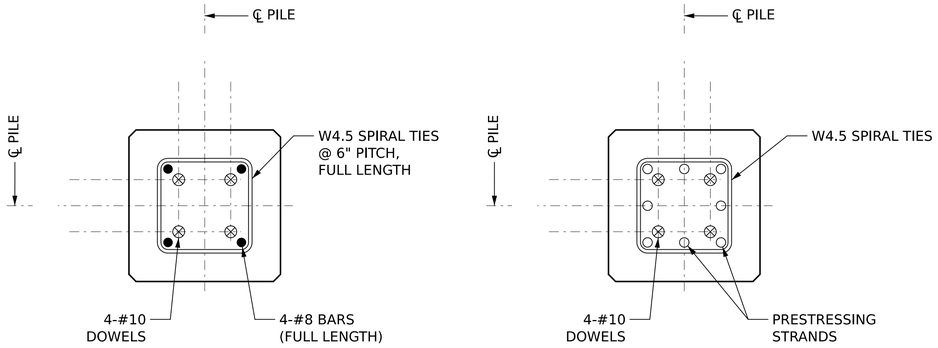
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11010



SECTION D-D

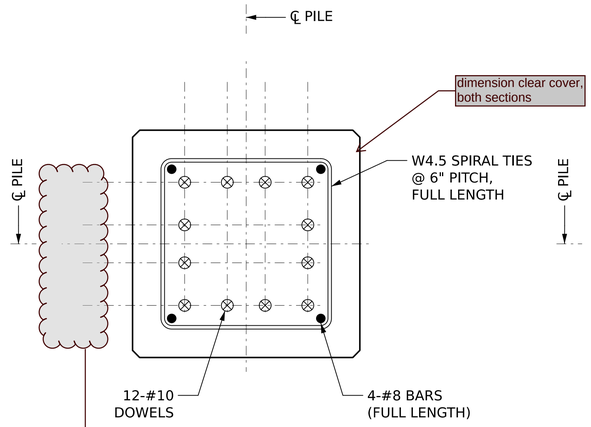
SCALE: 1 1/2" = 1'-0"

SECTION E-E

SCALE: 1 1/2" = 1'-0"

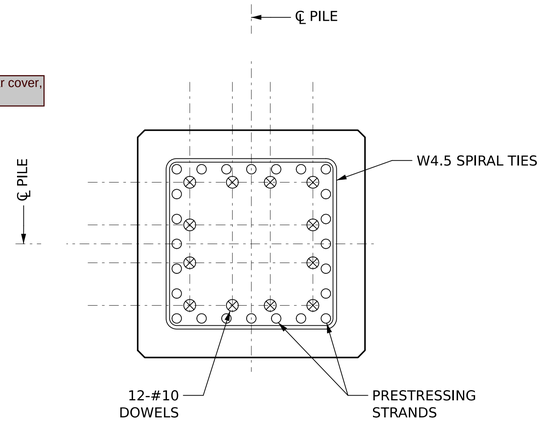
16" SQUARE PRESTRESSED CONCRETE PILE

not on this bridge



SECTION D-D

SCALE: 1 1/2" = 1'-0"



SECTION E-E

SCALE: 1 1/2" = 1'-0"

24" SQUARE PRESTRESSED CONCRETE PILE

add dimensions all views

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

VOLKERT

PLAN SUBMITTAL

90%

BIN(S) 021827

COUNTY(S) MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 10 OF 89

SHEET TITLE

MOBILE RIVER BRIDGE

I-10 BUS EB OVER CANAL STREET

PILE DETAILS (3 OF 3)

MRB-S01-BR-11010.dgn

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6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11011

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.

Bents 11-14 Estimated Tip Elevations are significantly deeper than those given in the West Segment GDR.

DRILLED SHAFT DATA TABLE

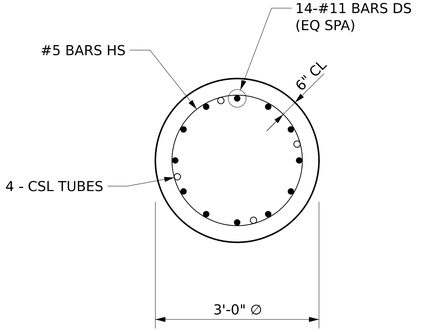
ABUT OR BENT NO	DRILLED SHAFT NO	DRILLED SHAFT DIAMETER (IN)	FACTORED DESIGN LOAD (TONS)	EL TOP OF DRILLED SHAFT (FT) ■	ESTIMATED DRILLED SHAFT TIP EL (FT)	LIN FT EXCAV (FT)	LIN FT DRILLED SHAFT CONST (FT)	∅ COMPRESSION
11	DS-1	48	491	8.984	-61	70.984	69.984	0.70
	DS-2	48		8.659	-61	70.659	69.659	
	DS-3	48		8.316	-61	70.316	69.316	
	DS-4	48		8.055	-61	70.055	69.055	
	DS-5	48		7.802	-61	69.802	68.802	
	DS-6	48		7.521	-61	69.521	68.521	
12	DS-7	48	491	10.547	-61	72.547	71.547	0.70
	DS-8	48		10.408	-61	72.408	71.408	
	DS-9	48		10.196	-61	72.196	71.196	
	DS-10	48		9.899	-61	71.899	70.899	
	DS-11	48		9.508	-61	71.508	70.508	
	DS-12	48		9.139	-61	71.139	70.139	
13	DS-13	48	711	12.200	-107	120.200	119.200	0.70
	DS-14	48		11.412	-107	119.412	118.412	
	DS-15	48		10.742	-107	118.742	117.742	
	DS-16	48		10.204	-107	118.204	117.204	
	DS-17	48		9.797	-107	117.797	116.797	
14	DS-18	48	761	12.076	-112	125.076	124.076	0.70
	DS-19	48		11.890	-112	124.890	123.890	
	DS-20	48		11.597	-112	124.597	123.597	
	DS-21	48		11.263	-112	123.263	123.263	
	DS-22	48		10.746	-112	123.746	122.746	
15	DS-23	36	308	23.458	-54	79.576	77.458	0.70
	DS-24	36		23.172	-54	79.814	77.172	
	DS-25	36		22.886	-54	81.027	76.886	
	DS-26	36		22.468	-54	85.274	76.468	
	DS-27	36		22.248	-54	85.935	76.248	

DRILLED SHAFT NOTES:

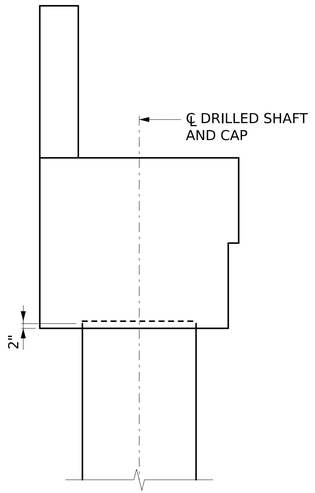
1. DRILLED SHAFT CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SECTION 506 AND THE PROJECT TECHNICAL PROVISIONS.
2. DRILLED SHAFTS WILL BE CONSTRUCTED USING TEMPORARY CASING FULL DEPTH. TEMPORARY CASING SHALL BE INSTALLED UTILIZING SPIN-IN METHOD. NO 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 BRIDGE 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 DRILLED SHAFT LOAD TEST PLAN.

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?

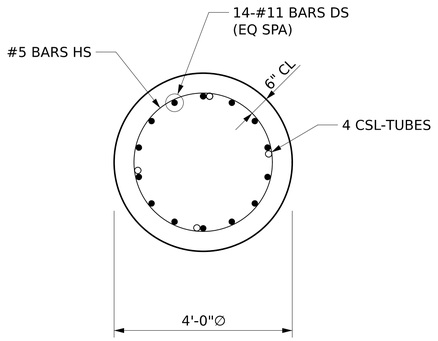
Should the Geotechnical Design Report be referenced in the notes?



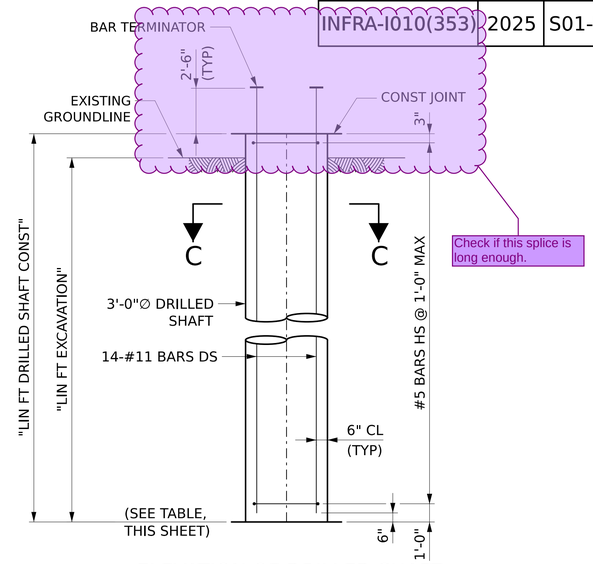
SECTION C-C
(TEMPORARY CASING NOT SHOWN)
NTS



DETAIL 1
(ABUTMENT 15)
NTS



SECTION D-D
(TEMPORARY CASING NOT SHOWN)
NTS



ELEVATION OF DRILLED SHAFT
(AT ABUTMENT 15)
NTS

ELEVATION OF DRILLED SHAFT
(AT BENTS 11, 12, 13, AND 14)
NTS

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

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PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 11 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
DRILLED SHAFT TABLE

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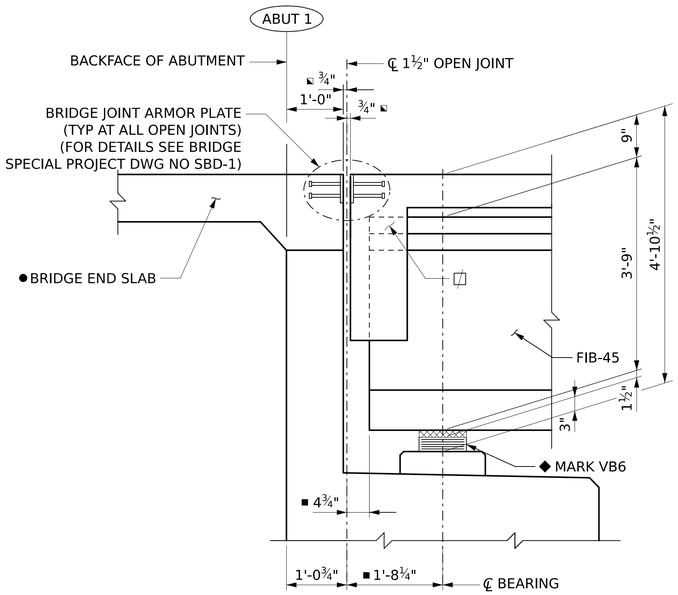
6/13/2025

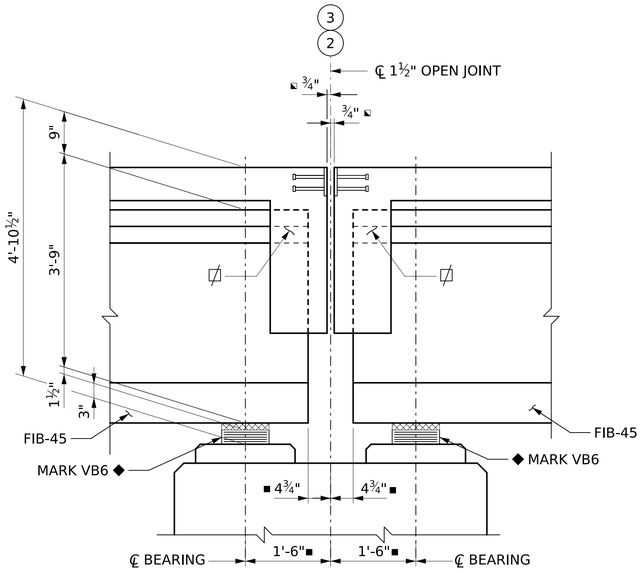
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11012

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



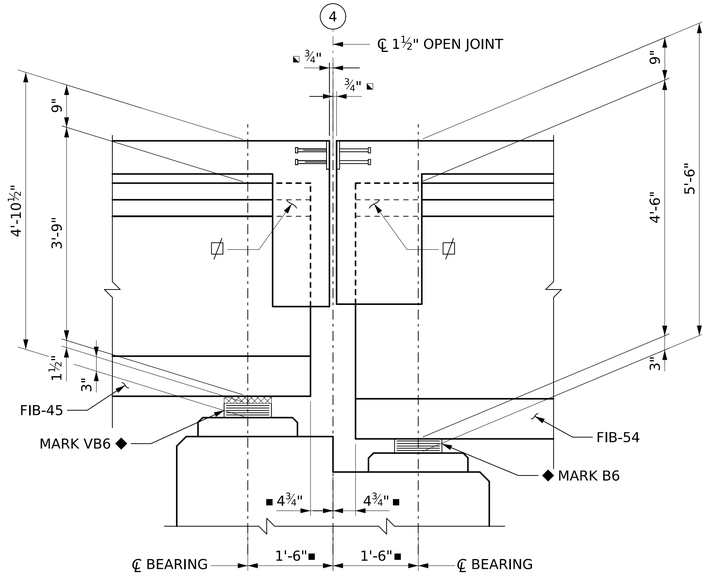
ABUTMENT 1 JOINT DETAILS

SCALE: ¾" = 1'-0"



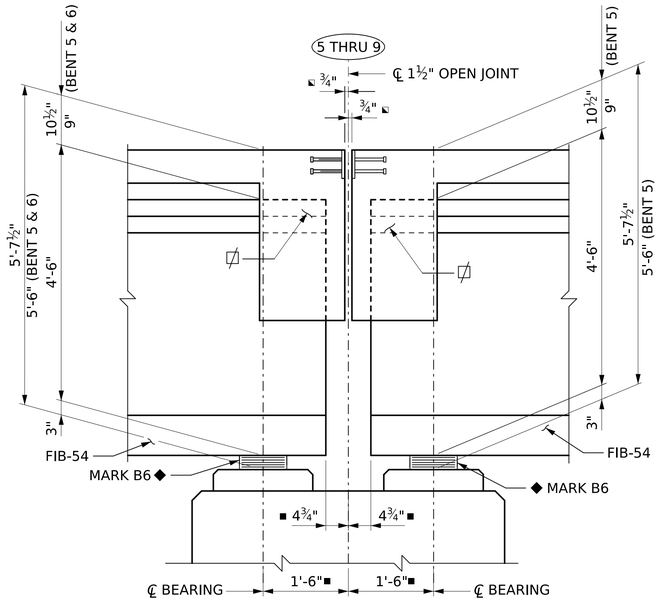
BENTS 2 & 3 JOINT DETAILS

SCALE: ¾" = 1'-0"



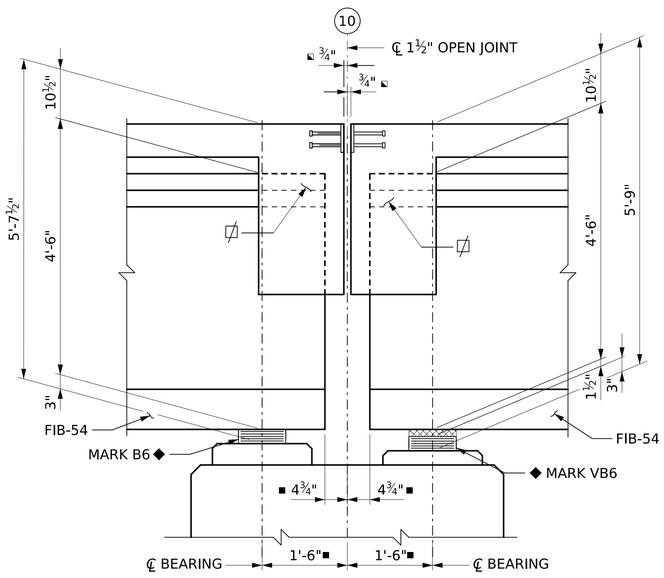
BENT 4 JOINT DETAILS

SCALE: ¾" = 1'-0"



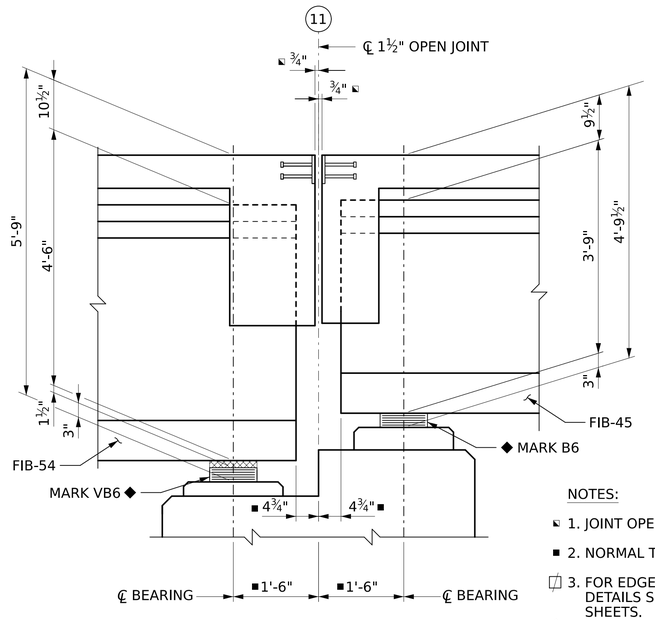
BENTS 5 THRU 9 JOINT DETAILS

SCALE: ¾" = 1'-0"



BENT 10 JOINT DETAILS

SCALE: ¾" = 1'-0"



BENT 11 JOINT DETAILS

SCALE: ¾" = 1'-0"

NOTES:

1. JOINT OPENING IS AT 70° F.
2. NORMAL TO ℄ JOINT AND ℄ BENT.
3. FOR EDGE BEAM DETAILS, SEE FIB-45 EDGE BEAM DETAILS SHEETS AND FIB-54 EDGE BEAM DETAILS SHEETS.
4. ELASTOMERIC BEARING TYPE MARK, 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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
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PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 12 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
JOINT LAYOUT (1 OF 2)

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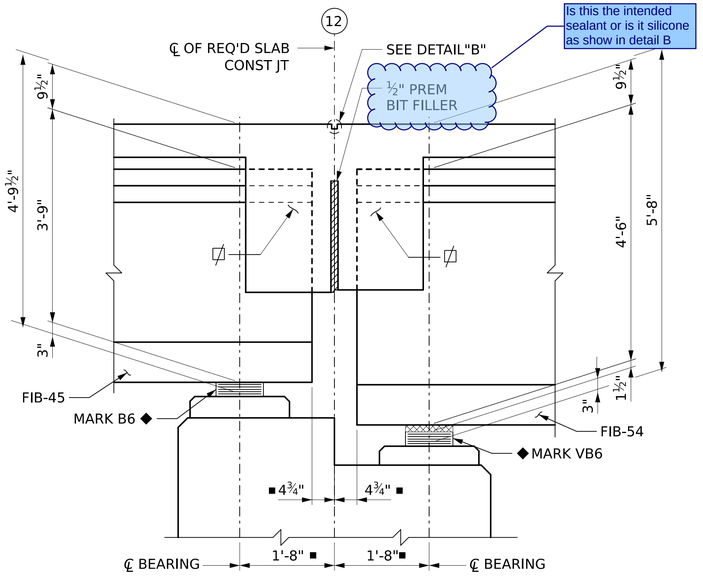
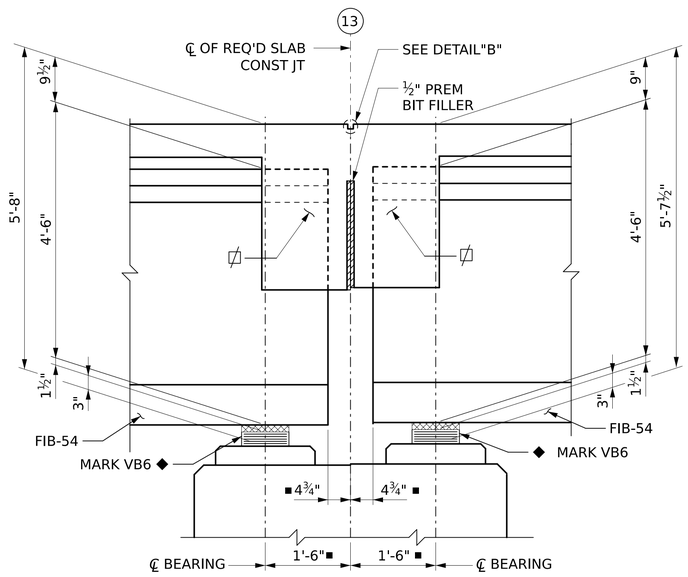
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11013



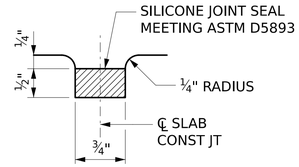
BENT 12 JOINT DETAILS

SCALE: ¾" = 1'-0"



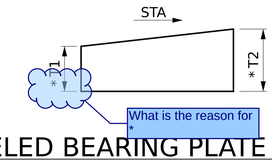
BENT 13 JOINT DETAILS

SCALE: ¾" = 1'-0"



DETAIL B

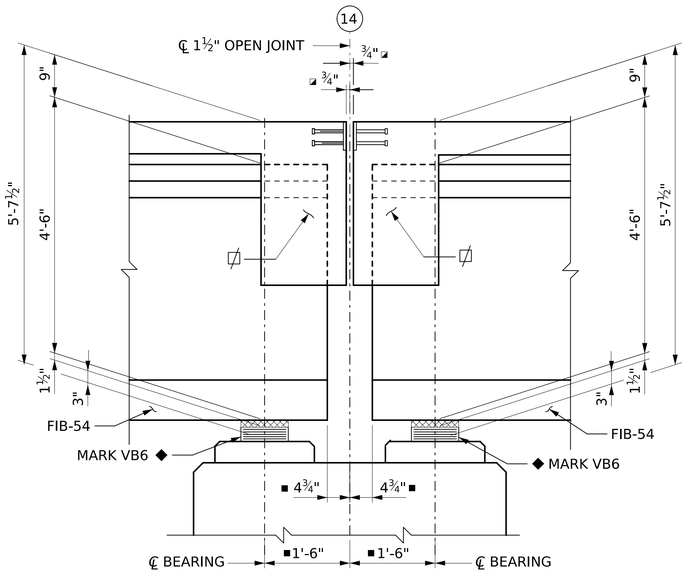
NTS



BEVELED BEARING PLATE DETAILS

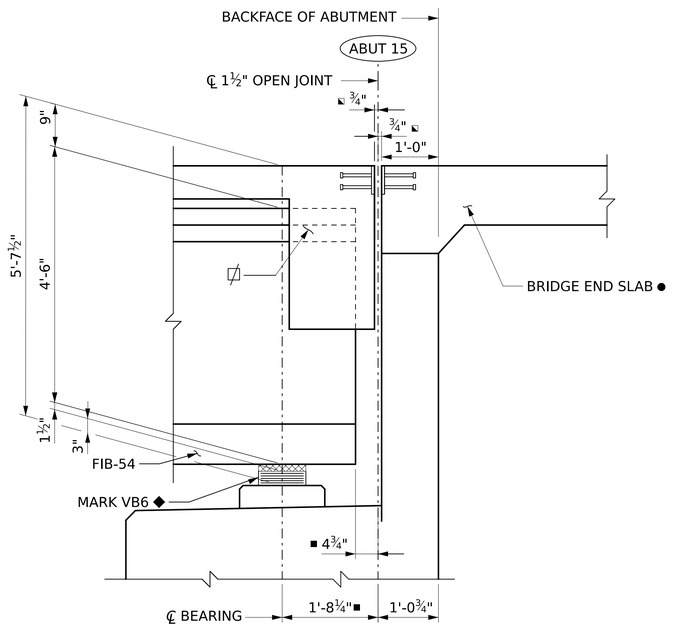
NTS

*BEARING TYPE AND BEVELED PLATE THICKNESS			
BENT	TYPE	T1 (IN)	T2 (IN)
ABUT 1	4	1.37	1.63
2 NS	4	1.37	1.63
2 FS	4	1.39	1.61
3 NS	4	1.39	1.61
3 FS	4	1.39	1.61
4 NS	4	1.39	1.61
4 FS	2	N/A	N/A
5 NS	2	N/A	N/A
5 FS	2	N/A	N/A
6 NS	2	N/A	N/A
6 FS	2	N/A	N/A
7 NS	2	N/A	N/A
7 FS	2	N/A	N/A
8 NS	2	N/A	N/A
8 FS	2	N/A	N/A
9 NS	2	N/A	N/A
9 FS	2	N/A	N/A
10 NS	2	N/A	N/A
10 FS	4	1.56	1.44
11 NS	4	1.56	1.44
11 FS	2	N/A	N/A
12 NS	2	N/A	N/A
12 FS	4	1.56	1.44
13 NS	4	1.56	1.44
13 FS	4	1.60	1.40
14 NS	4	1.60	1.40
14 FS	4	1.65	1.35
ABUT 15	4	1.65	1.35



BENT 14 JOINT DETAILS

SCALE: ¾" = 1'-0"



ABUTMENT 15 JOINT DETAILS

SCALE: ¾" = 1'-0"

NOTES:

◣ 1. JOINT OPENING IS AT 70° F.

■ 2. NORMAL TO ℄ JOINT AND ℄ BENT.

⍁ 3. FOR EDGE BEAM DETAILS, SEE FIB-45 EDGE BEAM DETAILS SHEETS AND FIB-54 EDGE BEAM DETAILS SHEETS.

◆ 4. ELASTOMERIC BEARING TYPE MARK, SEE BEARING DETAILS SHEET.

● 5. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DWG BES-450(IJ)BP.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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6/11/2025

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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PLAN SUBMITTAL
90%

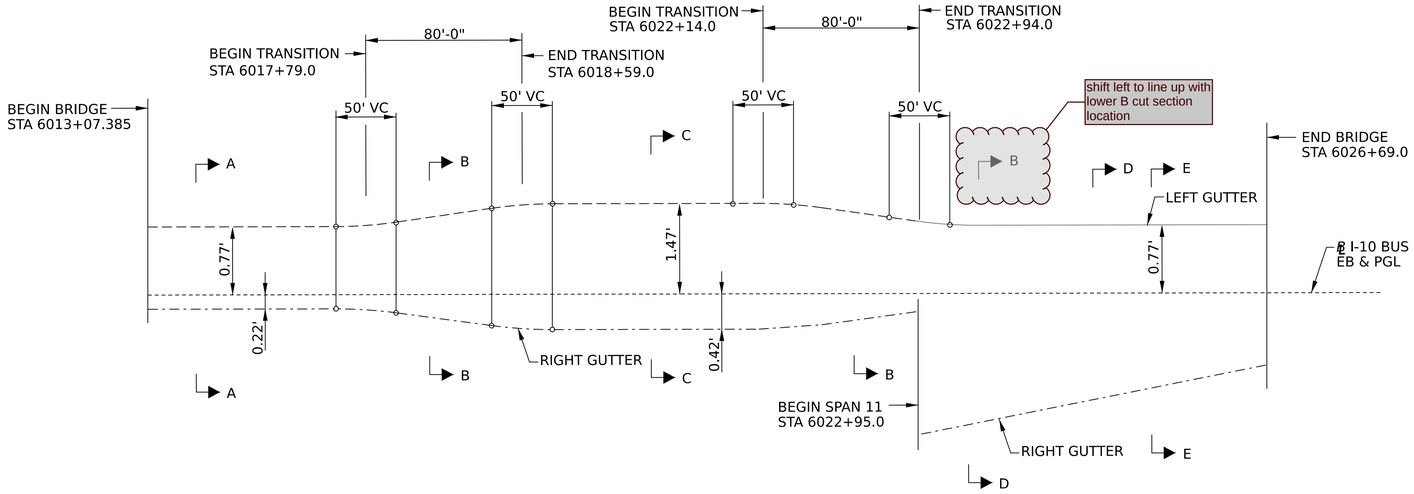
BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 13 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
JOINT LAYOUT (2 OF 2)

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11014



SUPERELEVATION TRANSITON

NTS

HORIZONTAL CURVE DATA
℄ I-10 BUS EB & PGL

29

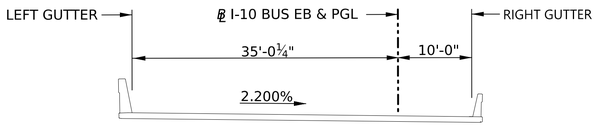
PI STA 6020+36.834
Δ = 08°34'11" RT
D = 2°12'56"
R = 2586.000'
L = 386.786'
T = 193.754'
e - 4.20%
TANGENT DIRECTION AT
PC = N 08°07'54" E

HORIZONTAL CURVE DATA
℄ WATER ST RAMP D & PGL

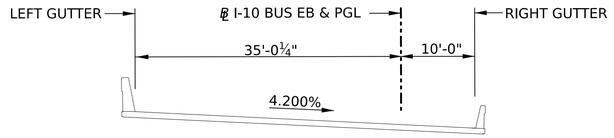
43

PI STA 1208+18.717
Δ = 13°47'59" RT
D = 1°46'06"
R = 3240.000'
L = 780.361'
T = 392.078'
e = NC
TANGENT DIRECTION AT
PC = N 02°54'05" E

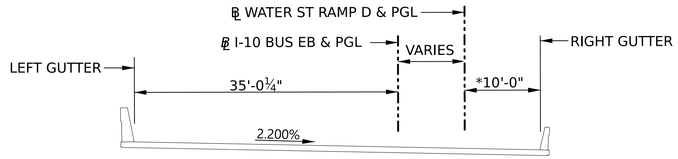
* MEASURED PERPENDICULAR TO ℄ WATER ST RAMP D



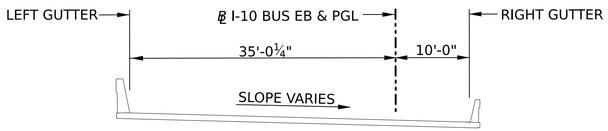
SECTION A-A



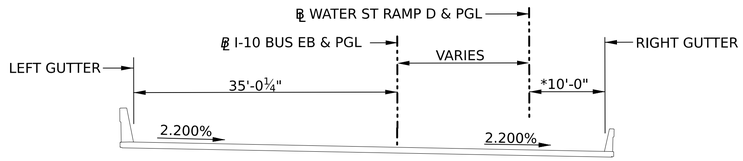
SECTION C-C



SECTION E-E



SECTION B-B



SECTION D-D

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	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) 021828

COUNTY(S) MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 14 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SUPERELEVATION TRANSITION

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-11014.dgn
cade.arras
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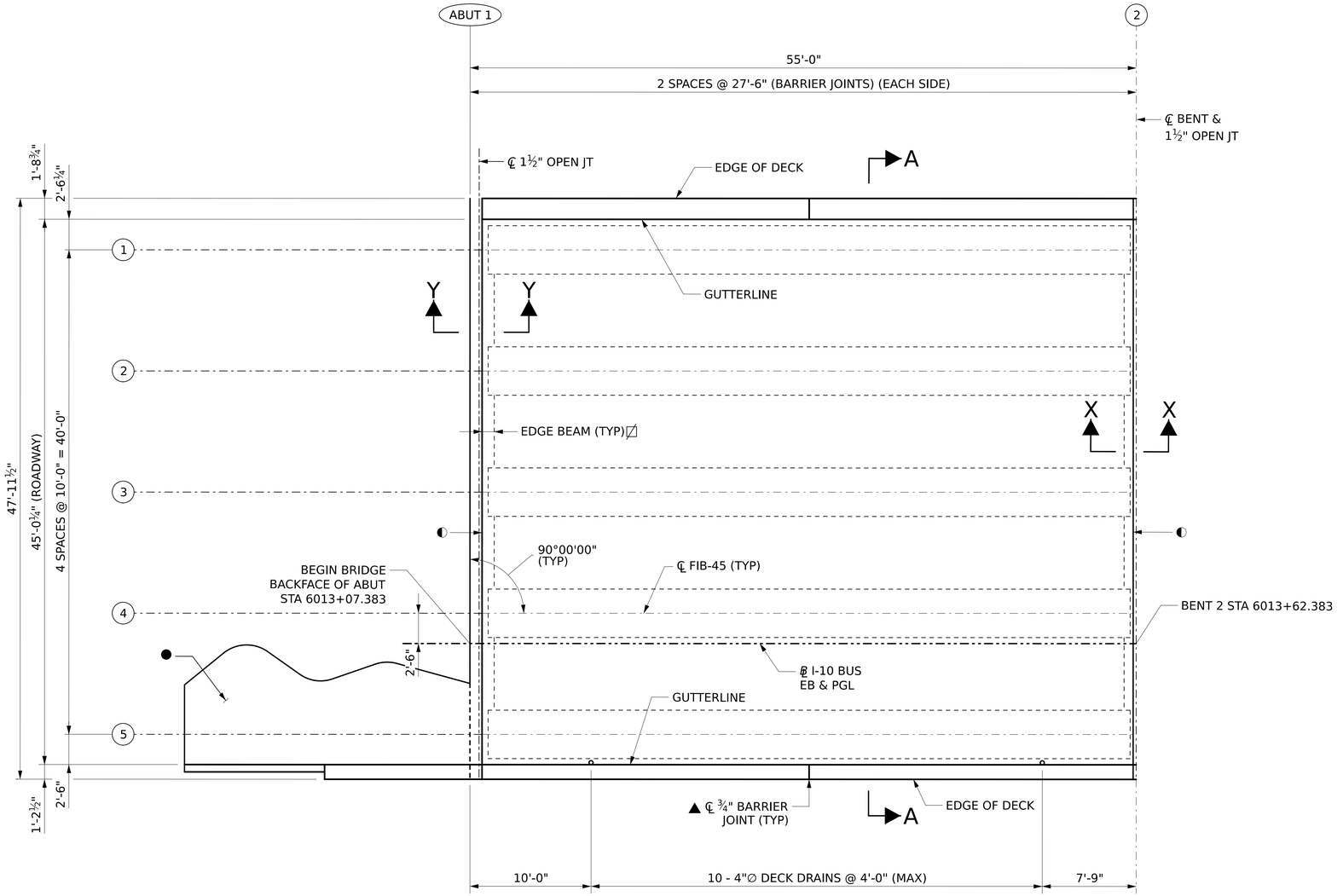
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11015

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN - SPAN 1

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

Show deck drains here.

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.

Where are these sheets?

5. FOR DECK ELEVATIONS, SEE DECK ELEVATIONS SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION A-A, SEE TYPICAL SECTIONS (1 OF 3) SHEET.
8. ⍁ FOR SECTIONS X-X & Y-Y, SEE FIB-45 EDGE BEAM DETAILS 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 REINFORCEMENT DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SDR-1.
13. SEE SPLICE NOTES ON BRIDGE SPECIAL DWG SDR-1.
14. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 15 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 1 DETAILS

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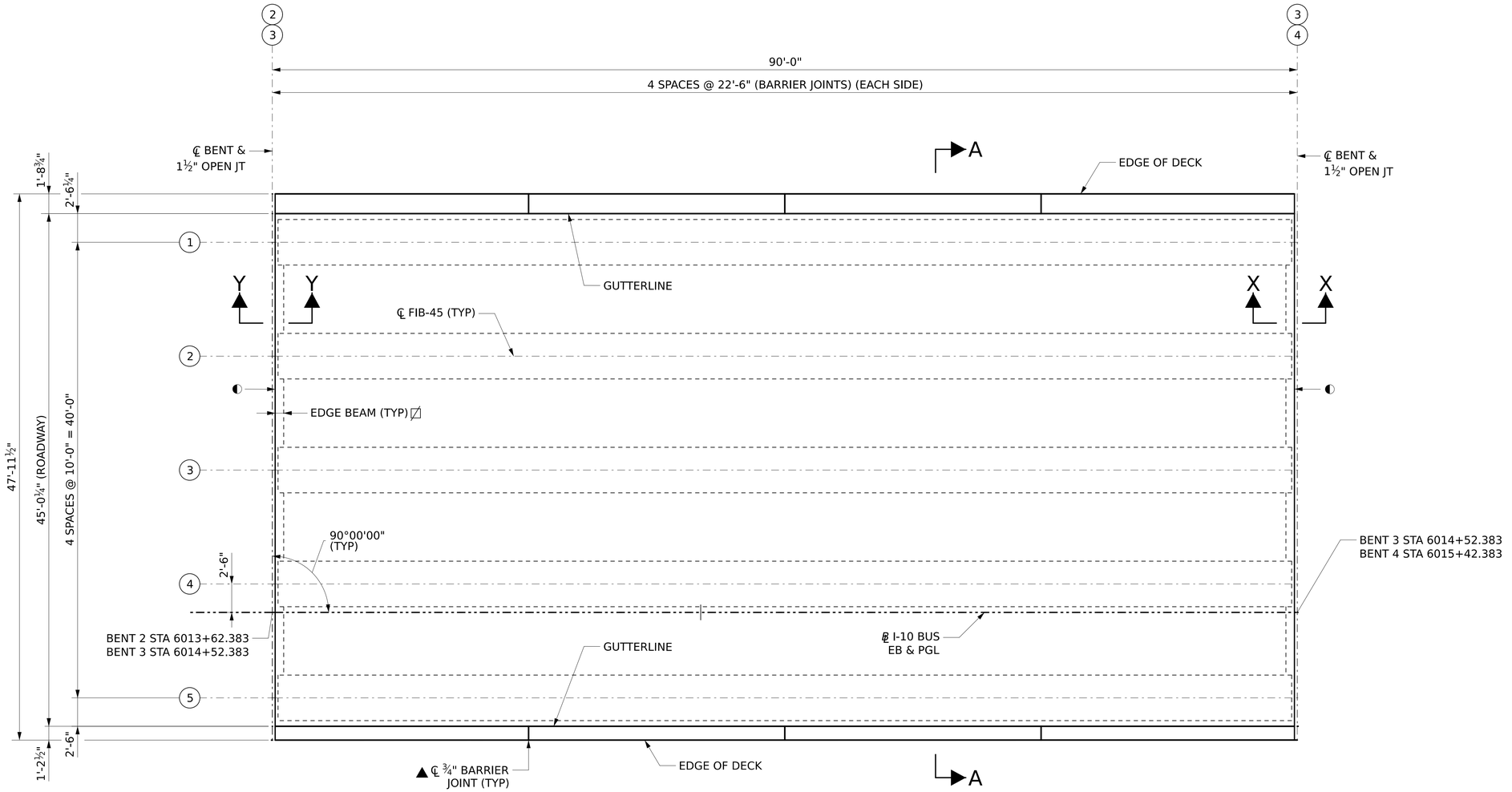
cade.arras
6:20:54 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11016

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



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 (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION A-A, SEE TYPICAL SECTION (1 OF 3) SHEET.
8. ⍁ FOR SECTION X-X & Y-Y, SEE FIB-45 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
13. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

Show deck drains here.

PLAN - SPANS 2 & 3

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

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 16 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPANS 2 & 3 DETAILS

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cade.arras
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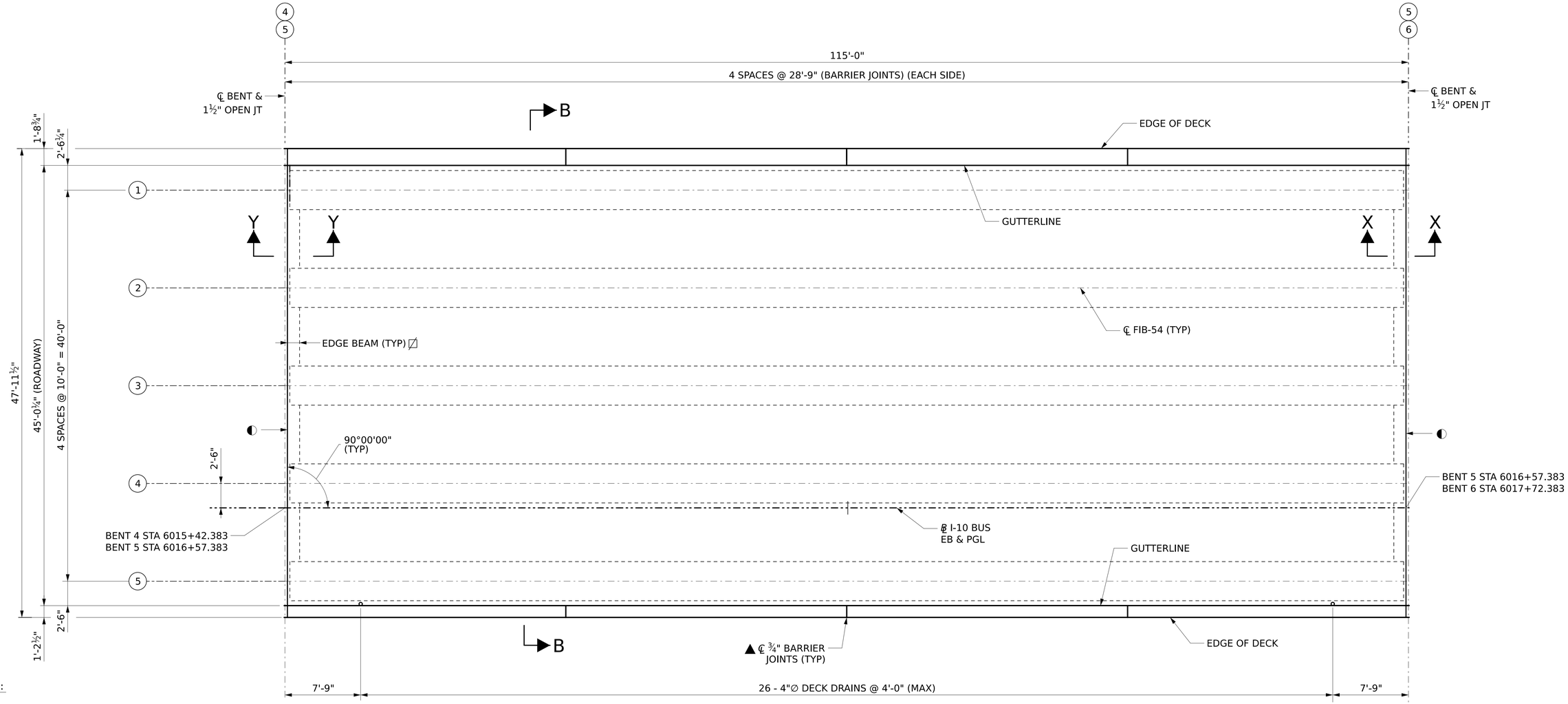
6/11/2025

0 1" SHEET REFERENCE 2"

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11017

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



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 ELEVATION (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION B-B, SEE TYPICAL SECTIONS (1 OF 3) SHEET.
8. ⍁ FOR SECTION X-X & Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
13. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

PLAN - SPAN 4 & 5

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

Show deck drains here.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 17 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPANS 4 & 5 DETAILS

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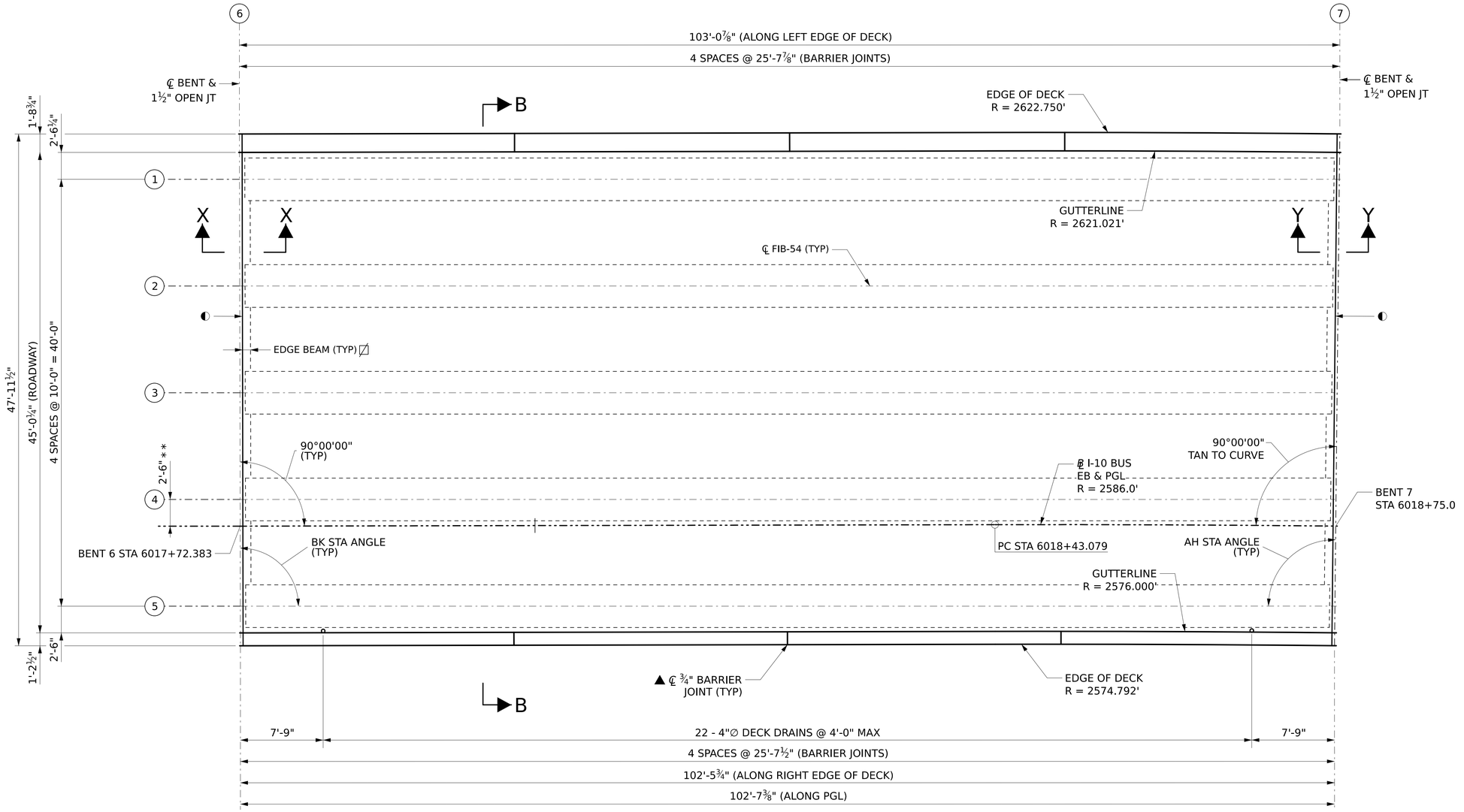
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11018

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



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 ELEVATION (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION B-B, SEE TYPICAL SECTIONS (1 OF 3) SHEET.
8. ⍁ FOR SECTION X-X & Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
13. ** DIMENSIONS SHOWN ARE ALONG RADIAL LINES AT BACK OF ABUTMENT OR CENTERLINE OF BENT LOCATIONS ONLY.
14. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

I see that but needs to be shown here too.

PLAN - SPAN 6

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

CHORD GIRDER DATA			
SPAN 6			
BEAM	GIRDER LENGTH	BK STA ANGLE	AH STA ANGLE
1	103'-0¼"	90°06'45"	90°35'41"
2	102'-10¾"	90°06'44"	90°35'42"
3	102'-9¼"	90°06'43"	90°35'43"
4	102'-7¾"	90°06'42"	90°35'44"
5	102'-6¼"	90°06'41"	90°35'46"

GIRDER LENGTHS SHOWN ARE ℄ GIRDER ALONG CHORDS FROM WORKING LINE/REQUIRED DECK CONSTRUCTION JOINT TO WORKING LINE/REQUIRED DECK CONSTRUCTION JOINT

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 18 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 6 DETAILS

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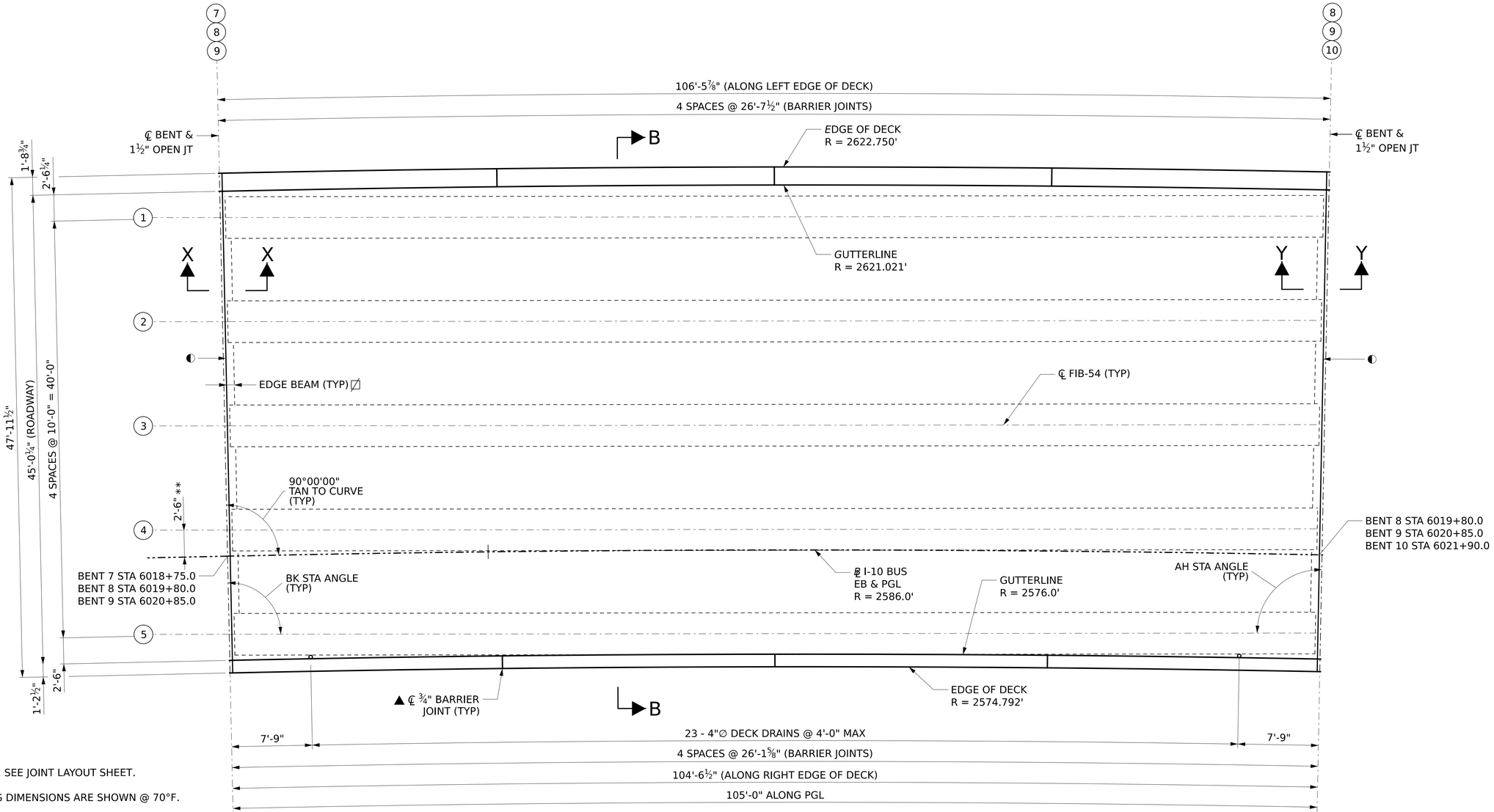
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11019

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN - SPANS 7 THRU 9

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

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 ELEVATION (1 THRU 6) SHEETS.
- ◐ 6. FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION B-B, SEE TYPICAL SECTIONS (1 OF 3) SHEET.
- ⍁ 8. FOR X-X & Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
- ** 13. DIMENSIONS SHOWN ARE ALONG RADIAL LINES AT BACK OF ABUTMENT OR CENTERLINE OF BENT LOCATIONS ONLY.
14. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

I see that but needs to be shown here too.

CHORD GIRDER DATA			
SPAN 6			
BEAM	GIRDER LENGTH	BK STA ANGLE	AH STA ANGLE
1	106'-3¾"	91°09'44"	91°09'51"
2	105'-10⅞"	91°09'44"	91°09'51"
3	105'-6"	91°09'44"	91°09'51"
4	105'-1⅛"	91°09'44"	91°09'51"
5	104'-8¼"	91°09'44"	91°09'51"

GIRDER LENGTHS SHOWN ARE ℄ GIRDER ALONG CHORDS FROM WORKING LINE/REQUIRED DECK CONSTRUCTION JOINT TO WORKING LINE/REQUIRED DECK CONSTRUCTION JOINT

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 19 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPANS 7 THRU 9 DETAILS

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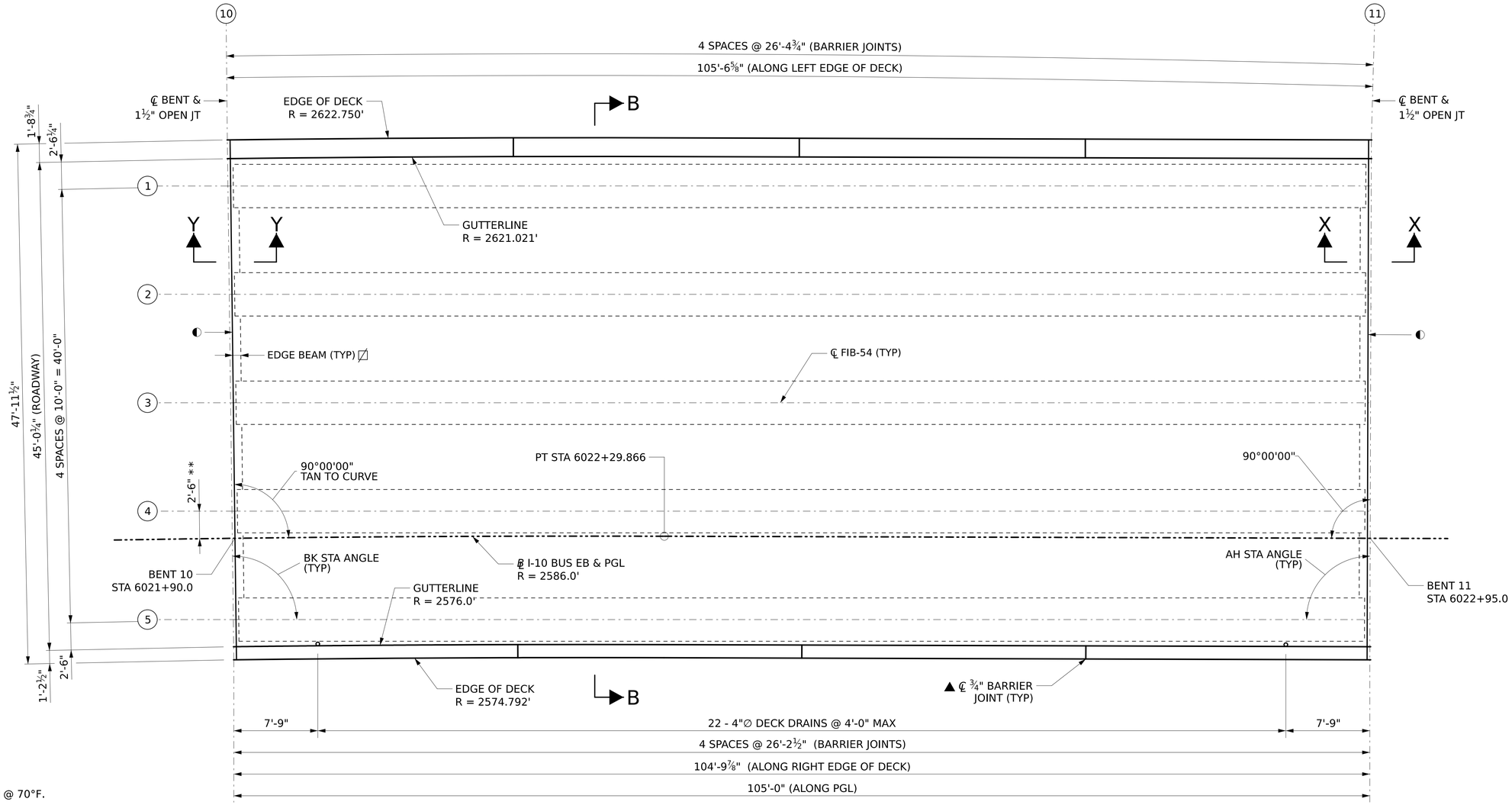
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11020

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"



PLAN - SPAN 10

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

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 ELEVATION (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION B-B, SEE TYPICAL SECTIONS (1 OF 3) SHEET.
8. ⍁ FOR SECTION X-X & Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.

I see that but needs to be shown here too.

** 13. DIMENSIONS SHOWN ARE ALONG RADIAL LINES AT BACK OF ABUTMENT OR CENTERLINE OF BENT LOCATIONS ONLY.

14. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

CHORD GIRDER DATA			
SPAN 6			
BEAM	GIRDER LENGTH	BK STA ANGLE	AH STA ANGLE
1	105'-6"	90°42'55"	90°10'05"
2	105'-4⅛"	90°42'56"	90°10'04"
3	105'-2¼"	90°42'58"	90°10'02"
4	105'-0½"	90°42'59"	90°10'01"
5	104'-10⅝"	90°43'01"	90°09'59"

GIRDER LENGTHS SHOWN ARE ℄ GIRDER ALONG CHORDS FROM WORKING LINE/REQUIRED DECK CONSTRUCTION JOINT TO WORKING LINE/REQUIRED DECK CONSTRUCTION JOINT

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 20 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 10 DETAILS

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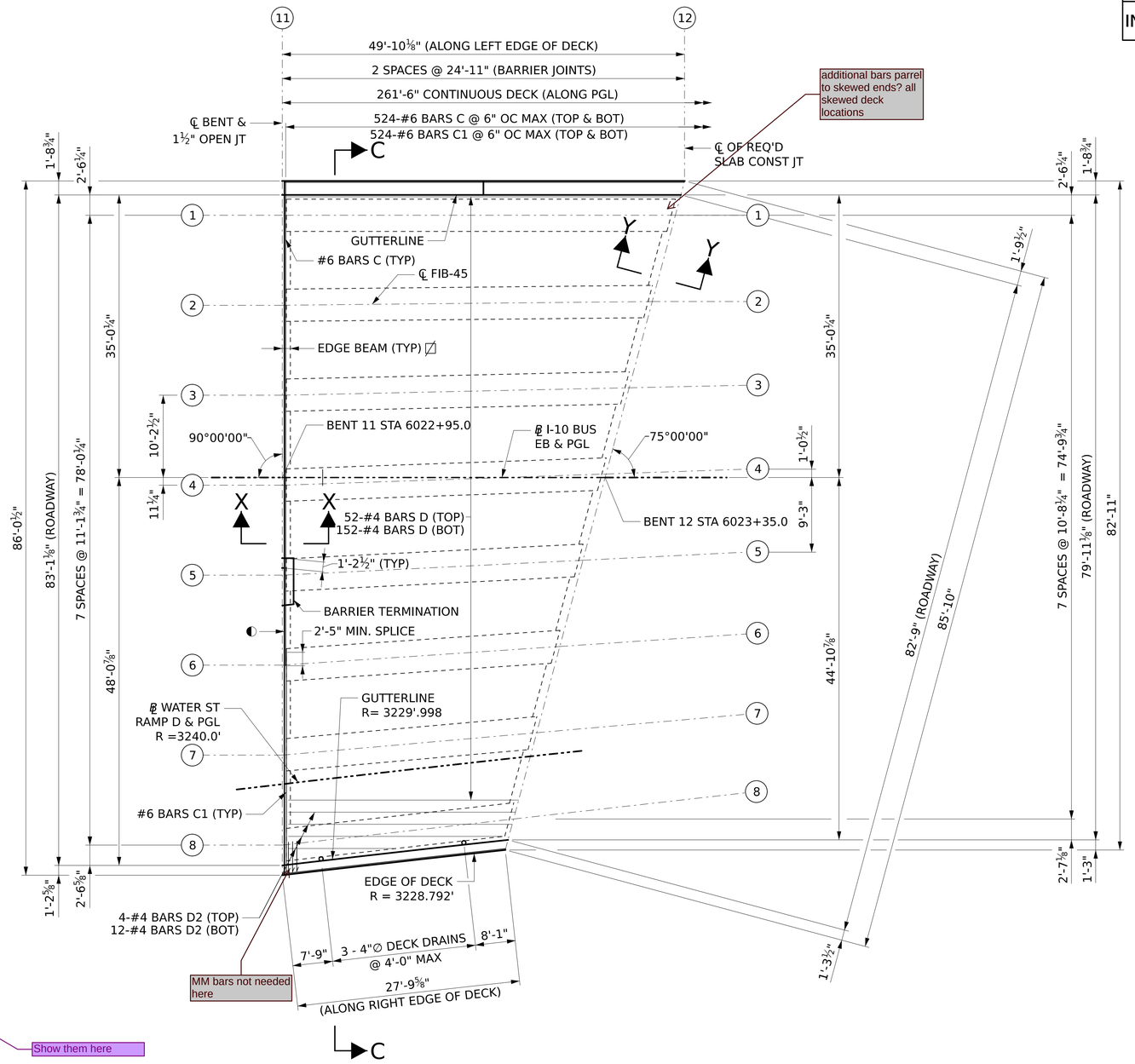
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11021

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



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 ELEVATION (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION C-C, SEE TYPICAL SECTIONS (2 OF 3) SHEET.
8. ☐ FOR SECTION X-X & Y-Y, SEE FIB-45 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
13. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

Show them here

SPAN 11 - PLAN

SCALE: ⅛" = 1'-0"

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

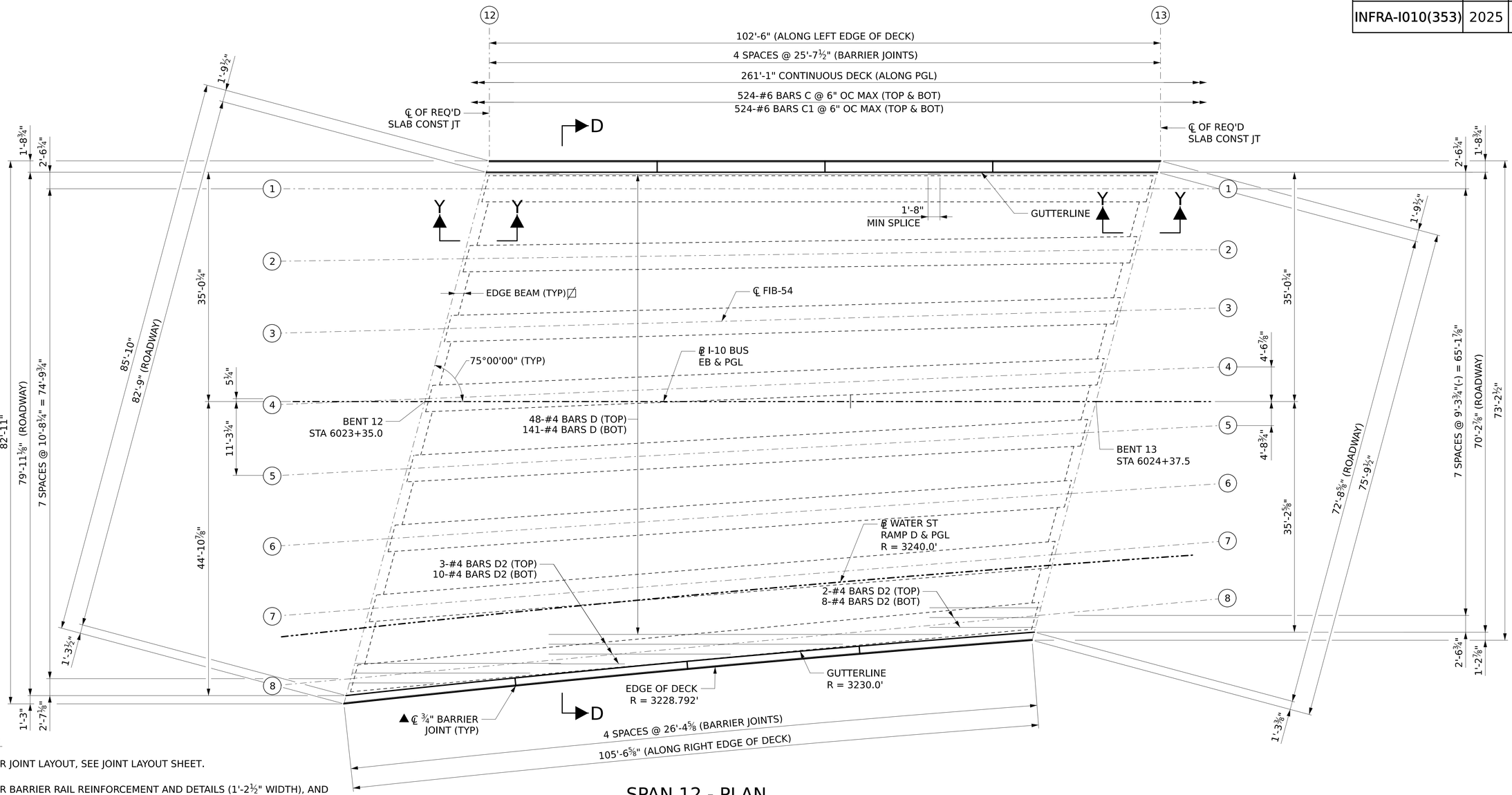
BRIDGE SHEET NO. 21 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 11 DETAILS

MRB-S01-BR-11021.dgn
cade.arras
6:24:10 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11022

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



SPAN 12 - PLAN

SCALE: ⅛" = 1'-0"

NOTES:

1. FOR JOINT LAYOUT, SEE JOINT LAYOUT SHEET.
2. ▲ FOR BARRIER RAIL REINFORCEMENT AND DETAILS (1'-2½" WIDTH), AND JOINT OPENINGS, SEE SPECIAL PROJECT DWG NO BBR-1.
3. FOR BARRIER RAIL REINFORCEMENT AND DETAILS (1'-8¾" WIDTH), AND JOINT OPENINGS, SEE 54" BARRIER DETAILS SHEET.
4. FOR DECK ELEVATIONS, SEE DECK ELEVATION (1 THRU 6) SHEETS.
5. FOR SECTION D-D, SEE TYPICAL SECTIONS (2 OF 3) SHEET.
6. ☑ FOR SECTION Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
7. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
8. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
9. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
10. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

Show them here

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

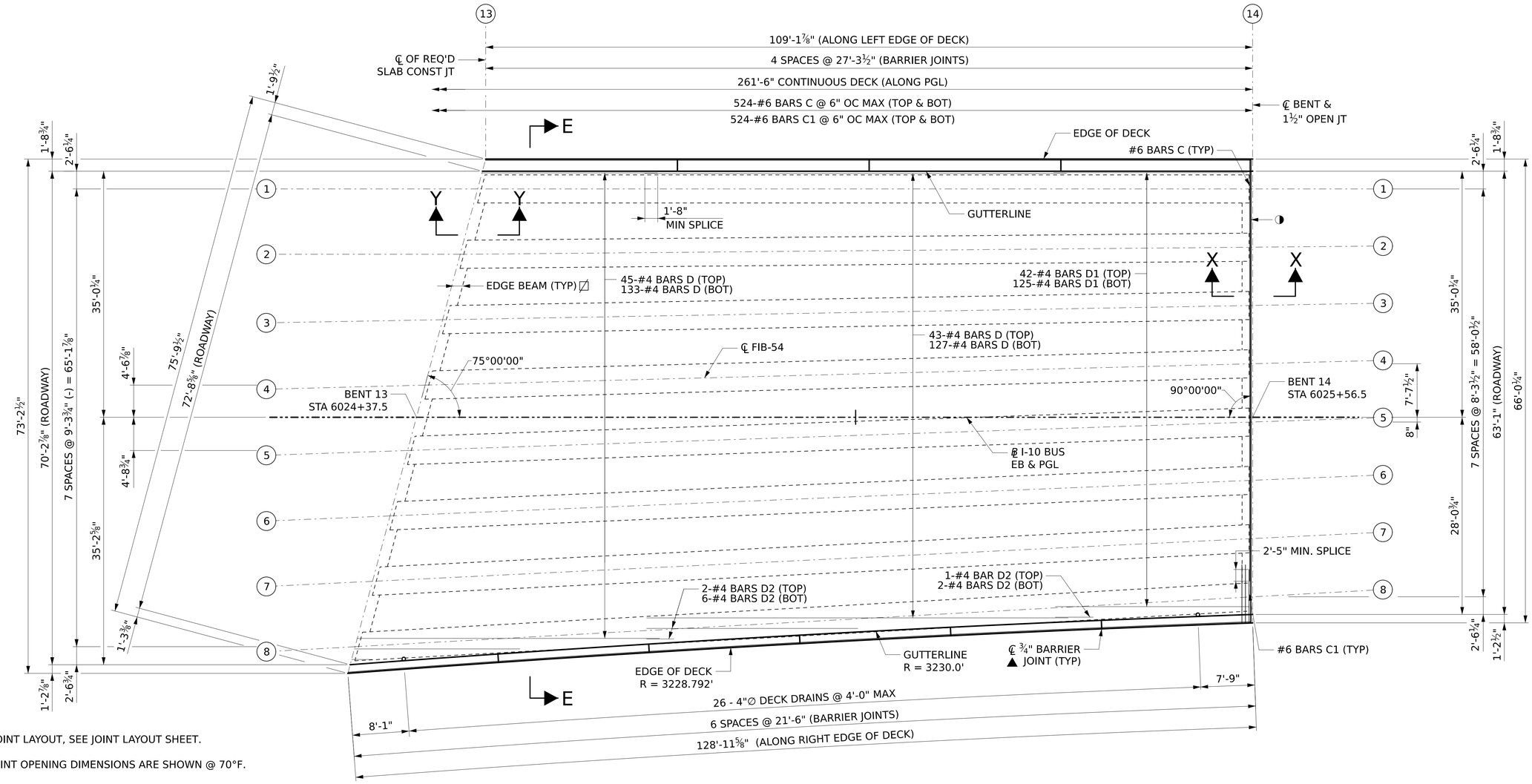
BRIDGE SHEET NO. 22 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 12 DETAILS

MRB-S01-BR-11022.dgn
cade.arras
6:24:37 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11023

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



SPAN 13 - PLAN

SCALE: ⅛" = 1'-0"

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 ELEVATION (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR SECTION E-E, SEE TYPICAL SECTIONS (3 OF 3) SHEET.
8. ⍁ FOR SECTION X-X & Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
13. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

Show them here

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 23 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 13 DETAILS

MRB-S01-BR-11023.dgn
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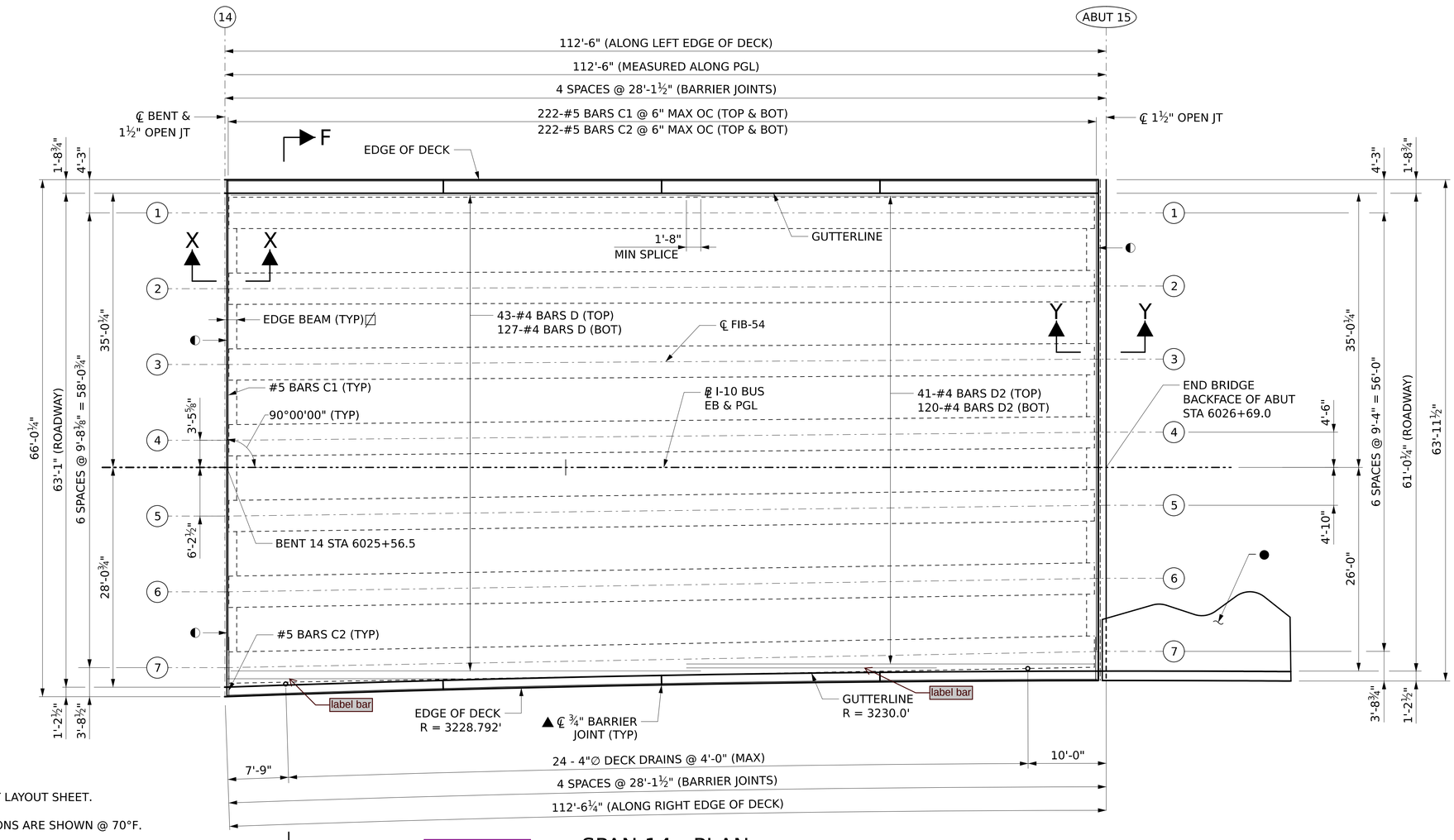
6:25:00 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11024

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



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 ELEVATION (1 THRU 6) SHEETS.
6. ◐ FOR ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
7. FOR TYPICAL SECTION F-F, SEE TYPICAL SECTIONS (3 OF 3) SHEET.
8. ☑ FOR SECTION X-X & Y-Y, SEE FIB-54 EDGE BEAM DETAILS SHEETS.
9. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.
10. FOR BILL OF REINFORCEMENT, SEE SPANS BILL OF REINFORCEMENT SHEET.
11. FOR DECK REINFORCING DETAILS, SEE BRIDGE SPECIAL PROJECT DWG SDR-1.
12. ● FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO BES-450 (IJ) BP.
13. SEE SPLICE NOTES ON BRIDGE SPECIAL PROJECT DWG SDR-1.
14. BARS RH ARE IN ADDITION TO SLAB OVERHANG REINFORCEMENT SHOWN ELSEWHERE. APPLIES ONLY TO 54" BARRIER SIDE. EXTEND BARS RH 2'-0" MIN PAST CENTERLINE OF BEAM/GIRDER. SPACE AND BUNDLE WITH ADJACENT SLAB BARS. MATCH SLAB BAR COVER.

Show them here

SPAN 14 - PLAN

SCALE: ⅛" = 1'-0"

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 24 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPAN 14 DETAILS

MRB-S01-BR-11024.dgn
cade.arras
6:25:23 PM
6/11/2025

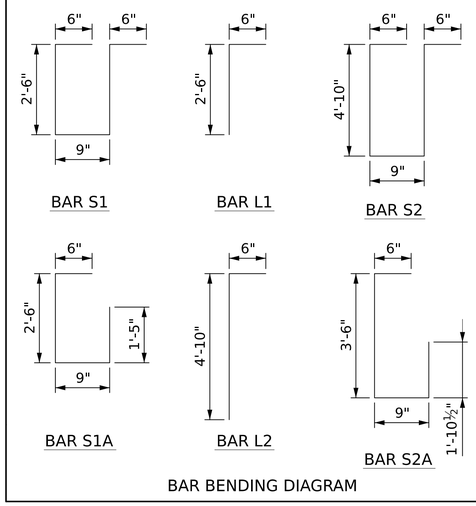
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

BILL OF REINFORCEMENT (SPAN 1)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
BL	4	8	53'-5"	RAIL	∗STRAIGHT
B1	4	108	5'-11¾"	RAIL	▲SEE DIAG
B2	4	108	4'-6"	RAIL	▲SEE DIAG
BL(54)	6	12	53'-5¾"	RAIL	∗STRAIGHT
B1(54)	5	108	9'-4"	RAIL	●SEE DIAG
B2(54)	5	108	5'-7½"	RAIL	●SEE DIAG
C	5	216	47'-7"	DECK	STRAIGHT
D	4	131	53'-5"	DECK	STRAIGHT
RH	5	108	6'-3"	DECK	STRAIGHT
ABUTMENT 1					
L1	5	1	3'-0"	EDGE BEAM	SEE DIAG
L2	5	4	5'-4"	EDGE BEAM	SEE DIAG
R1	8	3	4'-8"	EDGE BEAM	STRAIGHT
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT
S1	5	14	6'-9"	EDGE BEAM	SEE DIAG
S1A	5	4	5'-2"	EDGE BEAM	SEE DIAG
S2	5	14	11'-5"	EDGE BEAM	SEE DIAG
S2A	5	4	6'-7½"	EDGE BEAM	SEE DIAG
W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
W1A	5	2	10'-3"	EDGE BEAM	STRAIGHT
W1B	5	4	5'-10"	EDGE BEAM	STRAIGHT
W2	5	8	9'-3"	EDGE BEAM	STRAIGHT
W3	5	2	7'-8"	EDGE BEAM	STRAIGHT
BENT 2 BK					
L1	5	5	3'-0"	EDGE BEAM	SEE DIAG
R1	8	3	4'-8"	EDGE BEAM	STRAIGHT
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT
S1	5	28	6'-9"	EDGE BEAM	SEE DIAG
S1A	5	8	5'-2"	EDGE BEAM	SEE DIAG
W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
W2	5	8	9'-3"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

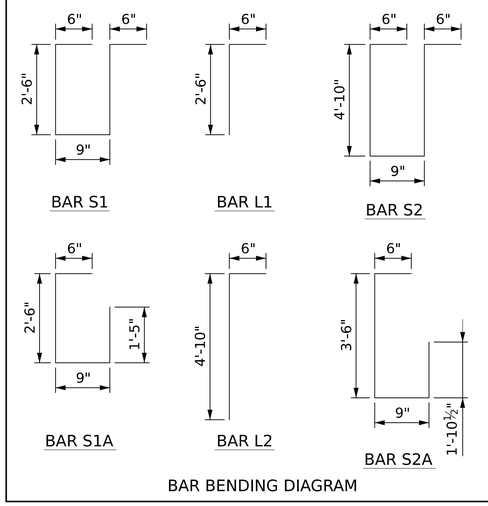
▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.

BILL OF REINFORCEMENT (SPANS 2 & 3) (EACH)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
BL	4	8	89'-6½"	RAIL	∗STRAIGHT
B1	4	180	5'-11¾"	RAIL	▲SEE DIAG
B2	4	180	4'-6"	RAIL	▲SEE DIAG
BL(54)	6	12	89'-6½"	RAIL	∗STRAIGHT
B1(54)	5	180	9'-4"	RAIL	●SEE DIAG
B2(54)	5	180	5'-7½"	RAIL	●SEE DIAG
C	5	360	47'-7"	DECK	STRAIGHT
D	4	131	60'-0"	DECK	STRAIGHT
D1	4	131	31'-2"	DECK	STRAIGHT
RH	5	180	6'-3"	DECK	STRAIGHT
BENT 2 AH & BENT 3 AH (EACH)					
L1	5	1	3'-0"	EDGE BEAM	SEE DIAG
L2	5	4	5'-4"	EDGE BEAM	SEE DIAG
R1	8	3	4'-8"	EDGE BEAM	STRAIGHT
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT
S1	5	14	6'-9"	EDGE BEAM	SEE DIAG
S1A	5	4	5'-2"	EDGE BEAM	SEE DIAG
S2	5	14	11'-5"	EDGE BEAM	SEE DIAG
S2A	5	4	6'-7½"	EDGE BEAM	SEE DIAG
W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
W1A	5	2	10'-3"	EDGE BEAM	STRAIGHT
W1B	5	4	5'-10"	EDGE BEAM	STRAIGHT
W2	5	8	9'-3"	EDGE BEAM	STRAIGHT
W3	5	2	7'-8"	EDGE BEAM	STRAIGHT
BENT 3 BK & BENT 4 BK (EACH)					
L1	5	5	3'-0"	EDGE BEAM	SEE DIAG
R1	8	3	4'-8"	EDGE BEAM	STRAIGHT
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT
S1	5	28	6'-9"	EDGE BEAM	SEE DIAG
S1A	5	8	5'-2"	EDGE BEAM	SEE DIAG
W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
W2	5	8	9'-3"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

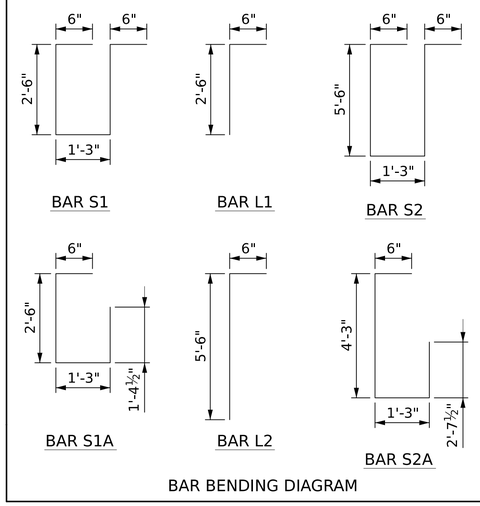
▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.

BILL OF REINFORCEMENT (SPAN 4 & 5) (EACH)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
BL	4	8	114'-6½"	RAIL	∗STRAIGHT
B1	4	230	5'-11¾"	RAIL	▲SEE DIAG
B2	4	230	4'-6"	RAIL	▲SEE DIAG
BL(54)	6	12	114'-6½"	RAIL	∗STRAIGHT
B1(54)	5	230	9'-4"	RAIL	●SEE DIAG
B2(54)	5	230	5'-7½"	RAIL	●SEE DIAG
C	5	460	47'-7"	DECK	STRAIGHT
D	4	131	60'-0"	DECK	STRAIGHT
D1	4	131	56'-3"	DECK	STRAIGHT
RH	5	230	6'-3"	DECK	STRAIGHT
BENT 4 AH & BENT 5H (EACH)					
L1	5	1	3'-0"	EDGE BEAM	SEE DIAG
L2	5	4	6'-0"	EDGE BEAM	SEE DIAG
R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
S1	5	14	7'-3"	EDGE BEAM	SEE DIAG
S1A	5	4	5'-7½"	EDGE BEAM	SEE DIAG
S2	5	14	13'-3"	EDGE BEAM	SEE DIAG
S2A	5	4	8'-7½"	EDGE BEAM	SEE DIAG
W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
W1A	5	4	10'-3"	EDGE BEAM	STRAIGHT
W1B	5	4	5'-10"	EDGE BEAM	STRAIGHT
W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
W3	5	2	7'-8"	EDGE BEAM	STRAIGHT
BENT 5 BK & BENT 6 BK (EACH)					
L1	5	5	3'-0"	EDGE BEAM	SEE DIAG
R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
S1	5	28	7'-3"	EDGE BEAM	SEE DIAG
S1A	5	8	5'-7½"	EDGE BEAM	SEE DIAG
W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
W2	5	12	9'-3"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

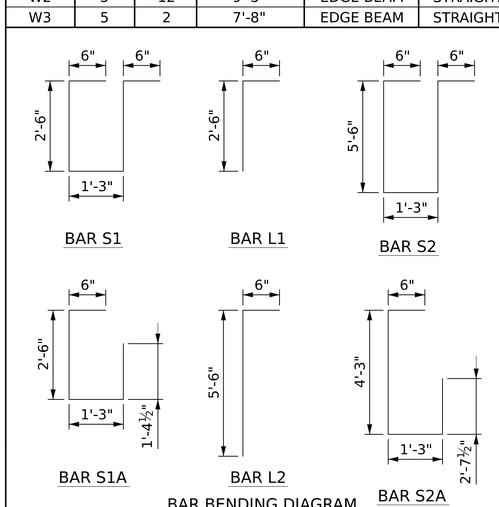
▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.

BILL OF REINFORCEMENT (SPAN 6)

	MARK	SIZE	NO	LENGTH	LOCATION	BENDING
	BL	4	8	102'-0¼"	RAIL	∗STRAIGHT
	B1	4	206	5'-11¾"	RAIL	▲SEE DIAG
	B2	4	206	4'-6"	RAIL	▲SEE DIAG
	BL(54)	6	12	102'-7"	RAIL	∗STRAIGHT
	B1(54)	5	206	9'-4"	RAIL	●SEE DIAG
	B2(54)	5	206	5'-7½"	RAIL	●SEE DIAG
	C	5	412	47'-7"	DECK	STRAIGHT
***	D	4	131	60'-0"	DECK	STRAIGHT
***	D1	4	131	44'-4"	DECK	STRAIGHT
	RH	5	206	6'-3"	DECK	STRAIGHT
	BENT 6 AH					
	L1	5	5	3'-0"	EDGE BEAM	SEE DIAG
	R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	28	7'-3"	EDGE BEAM	SEE DIAG
	S1A	5	8	5'-7½"	EDGE BEAM	SEE DIAG
	W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
	W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
	BENT 7 BK					
	L1	5	1	3'-0"	EDGE BEAM	SEE DIAG
	L2	5	4	6'-0"	EDGE BEAM	SEE DIAG
	R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	14	7'-3"	EDGE BEAM	SEE DIAG
	S1A	5	4	5'-7½"	EDGE BEAM	SEE DIAG
	S2	5	14	13'-3"	EDGE BEAM	SEE DIAG
	S2A	5	4	8'-7½"	EDGE BEAM	SEE DIAG
	W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
	W1A	5	4	10'-3"	EDGE BEAM	STRAIGHT
	W1B	5	4	5'-10"	EDGE BEAM	STRAIGHT
	W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
	W3	5	2	7'-8"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.

*** LENGTHS SHOWN FOR BARS D ARE BASED ON THE LONG SIDE OF SPAN AND INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPLICE(S). AMOUNT OF SPLICE WILL INCREMENTALLY INCREASE FROM LONG SIDE OF SPAN TO SHORT SIDE.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 25 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPANS BILL OF REINFORCEMENT (1)

MRB-S01-BR-11025.dgn
cade.arras
6:25:43 PM
6/11/2025

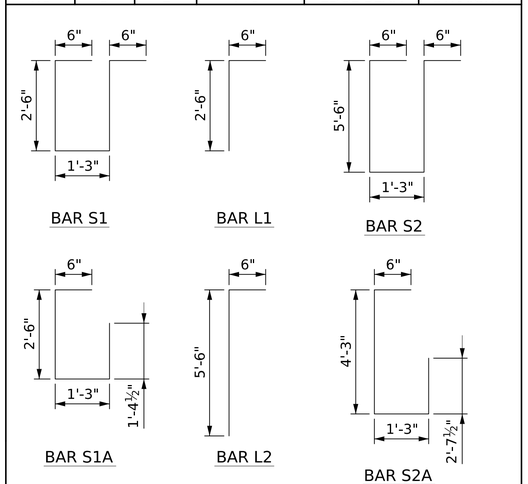
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11026

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

BILL OF REINFORCEMENT (SPANS 7 THRU 9) (EACH)

	MARK	SIZE	NO	LENGTH	LOCATION	BENDING
	BL	4	8	104'-1"	RAIL	∗STRAIGHT
	B1	4	209	5'-11¾"	RAIL	▲SEE DIAG
	B2	4	209	4'-6"	RAIL	▲SEE DIAG
	BL(54)	6	12	106'-0"	RAIL	∗STRAIGHT
	B1(54)	5	213	9'-4"	RAIL	●SEE DIAG
	B2(54)	5	213	5'-7½"	RAIL	●SEE DIAG
	C	5	426	47'-7"	DECK	STRAIGHT
***	D	4	131	60'-0"	DECK	STRAIGHT
***	D1	4	131	47'-9"	DECK	STRAIGHT
	RH	5	213	6'-3"	DECK	STRAIGHT
	BENT 7 AH, 8AH & 9 AH					
	L1	5	5	3'-0"	EDGE BEAM	SEE DIAG
	R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	28	7'-3"	EDGE BEAM	SEE DIAG
	S1A	5	8	5'-7½"	EDGE BEAM	SEE DIAG
	W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
	W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
	BENT 8 BK, 9 BK & 10 BK					
	L1	5	1	3'-0"	EDGE BEAM	SEE DIAG
	L2	5	4	6'-0"	EDGE BEAM	SEE DIAG
	R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	14	7'-3"	EDGE BEAM	SEE DIAG
	S1A	5	4	5'-7½"	EDGE BEAM	SEE DIAG
	S2	5	14	13'-3"	EDGE BEAM	SEE DIAG
	S2A	5	4	8'-7½"	EDGE BEAM	SEE DIAG
	W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
	W1A	5	4	10'-3"	EDGE BEAM	STRAIGHT
	W1B	5	4	5'-10"	EDGE BEAM	STRAIGHT
	W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
	W3	5	2	7'-8"	EDGE BEAM	STRAIGHT

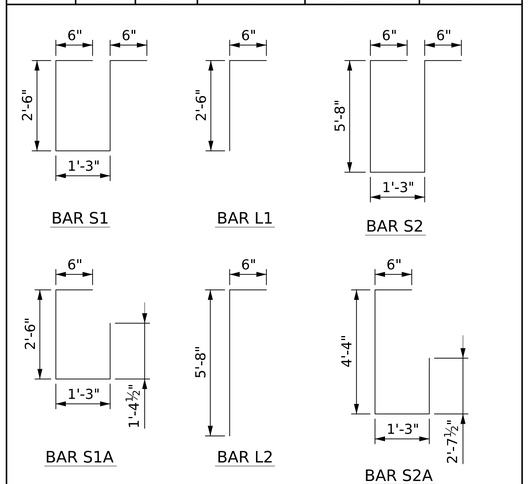


BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.
● SEE 54" SINGLE FACE BARRIER STANDARD DWG.
∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.
*** LENGTHS SHOWN FOR BARS D ARE BASED ON THE LONG SIDE OF SPAN AND INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPLICE(S). AMOUNT OF SPLICE WILL INCREMENTALLY INCREASE FROM LONG SIDE OF SPAN TO SHORT SIDE.

BILL OF REINFORCEMENT (SPAN 10)

	MARK	SIZE	NO	LENGTH	LOCATION	BENDING
	BL	4	8	104'-4"	RAIL	∗STRAIGHT
	B1	4	210	5'-11¾"	RAIL	▲SEE DIAG
	B2	4	210	4'-6"	RAIL	▲SEE DIAG
	BL(54)	6	12	105'-1"	RAIL	∗STRAIGHT
	B1(54)	5	211	9'-4"	RAIL	●SEE DIAG
	B2(54)	5	211	5'-7½"	RAIL	●SEE DIAG
	C	5	422	47'-7"	DECK	STRAIGHT
***	D	4	131	60'-0"	DECK	STRAIGHT
***	D1	4	131	46'-9"	DECK	STRAIGHT
	RH	5	211	6'-3"	DECK	STRAIGHT
	BENT 10 AH					
	L1	5	5	3'-0"	EDGE BEAM	SEE DIAG
	R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	28	7'-3"	EDGE BEAM	SEE DIAG
	S1A	5	8	5'-7½"	EDGE BEAM	SEE DIAG
	W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
	W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
	BENT 11 BK					
	L1	5	1	3'-0"	EDGE BEAM	SEE DIAG
	L2	5	4	6'-2"	EDGE BEAM	SEE DIAG
	R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	14	7'-3"	EDGE BEAM	SEE DIAG
	S1A	5	4	5'-7½"	EDGE BEAM	SEE DIAG
	S2	5	14	13'-7"	EDGE BEAM	SEE DIAG
	S2A	5	4	8'-8½"	EDGE BEAM	SEE DIAG
	W1	5	2	40'-3"	EDGE BEAM	STRAIGHT
	W1A	5	4	10'-3"	EDGE BEAM	STRAIGHT
	W1B	5	4	5'-10"	EDGE BEAM	STRAIGHT
	W2	5	12	9'-3"	EDGE BEAM	STRAIGHT
	W3	5	2	7'-8"	EDGE BEAM	STRAIGHT



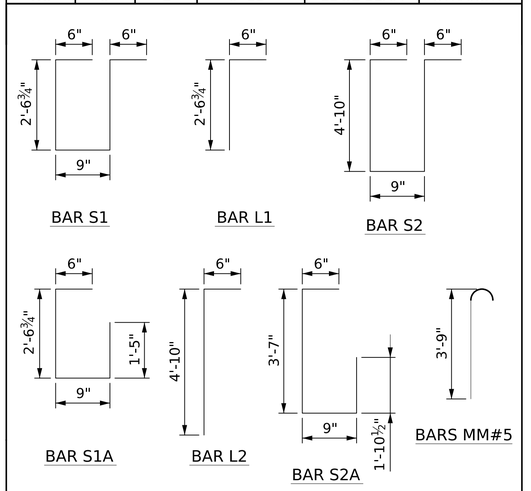
BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.
● SEE 54" SINGLE FACE BARRIER STANDARD DWG.
∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.
*** LENGTHS SHOWN FOR BARS D ARE BASED ON THE LONG SIDE OF SPAN AND INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPLICE(S). AMOUNT OF SPLICE WILL INCREMENTALLY INCREASE FROM LONG SIDE OF SPAN TO SHORT SIDE.

BILL OF REINFORCEMENT (SPAN 11)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
BL	4	8	261'-10"	RAIL	∗STRAIGHT
B1	4	525	5'-11¾"	RAIL	▲SEE DIAG
B2	4	525	4'-6"	RAIL	▲SEE DIAG
BL(54)	6	12	261'-0½"	RAIL	∗STRAIGHT
B1(54)	5	523	9'-4"	RAIL	●SEE DIAG
B2(54)	5	523	5'-7½"	RAIL	●SEE DIAG
C	6	1048	60'-0"	DECK	STRAIGHT
C1	6	1048	VARIES FROM 8'-2" - 28'-1"	DECK	STRAIGHT
D	4	741	60'-0"	DECK	STRAIGHT
D1	4	167	27'-7"	DECK	STRAIGHT
D2	4	50	VARIES FROM 3'-10" - 57'-0"	DECK	STRAIGHT
DD	4	97	20'-0"	DECK	STRAIGHT
MM	5	6	4'-4"	DECK	SEE DIAG
RH	5	100	6'-3"	DECK	STRAIGHT
BENT 11 AH					
L1	5	8	3'-0¾"	EDGE BEAM	SEE DIAG
R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT
S1	5	56	6'-10½"	EDGE BEAM	SEE DIAG
S1A	5	14	5'-2¾"	EDGE BEAM	SEE DIAG
W1	5	4	40'-2"	EDGE BEAM	STRAIGHT
W2	5	14	10'-4"	EDGE BEAM	STRAIGHT
BENT 12 BK					
L1	5	4	3'-0¾"	EDGE BEAM	SEE DIAG
L2	5	4	5'-4"	EDGE BEAM	SEE DIAG
R1	8	6	4'-8"	EDGE BEAM	STRAIGHT
R2	8	2	2'-4"	EDGE BEAM	STRAIGHT
S1	5	40	6'-10½"	EDGE BEAM	SEE DIAG
S1A	5	10	5'-2¾"	EDGE BEAM	SEE DIAG
S2	5	16	11'-5"	EDGE BEAM	SEE DIAG
S2A	5	4	6'-8½"	EDGE BEAM	SEE DIAG
W1	5	4	39'-5"	EDGE BEAM	STRAIGHT
W1A	5	2	11'-4"	EDGE BEAM	STRAIGHT
W1B	5	4	7'-2"	EDGE BEAM	STRAIGHT
W2	5	14	10'-1"	EDGE BEAM	STRAIGHT
W3	5	2	8'-11"	EDGE BEAM	STRAIGHT

Deck is continuous, verify MM bars are needed, applies to 12 and 13 too



BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.
● SEE 54" SINGLE FACE BARRIER STANDARD DWG.
∗ LENGTH OF BAR IS FOR FULL LENGTH OF SPAN. ACTUAL BAR LENGTH SHALL BE MODIFIED TO ACCOUNT FOR THE 3/4" OPEN JOINT. FOR BARRIER JOINT LOCATION, SEE SPANS DETAILS SHEETS.

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.
● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 26 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPANS BILL OF REINFORCEMENT (2)

MRB-S01-BR-11026.dgn
cade.arras
6:26:04 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11027

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

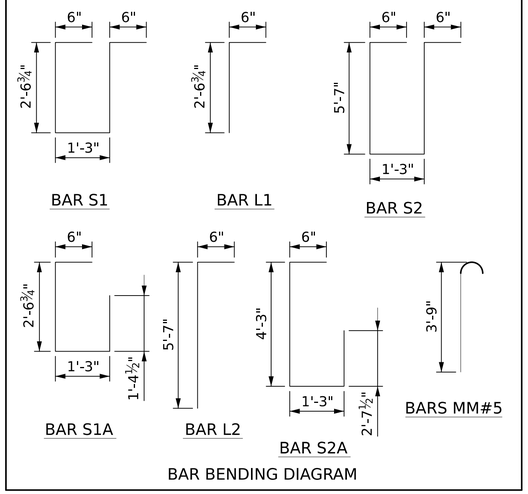
12 AH is fixed, bars do not agree with details at fixed end

13 AH is fixed, bars do not agree with details at fixed end

14 BK is exp, bars do not agree with details at exp end

BILL OF REINFORCEMENT (SPAN 12)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
MM	5	12	4'-4"	DECK	SEE DIAG
RH	5	205	6'-3"	DECK	STRAIGHT
			BENT 12 AH		
L1	5	8	3'-0¾"	EDGE BEAM	SEE DIAG
R1	8	12	4'-8"	EDGE BEAM	STRAIGHT
R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
S1	5	56	7'-4½"	EDGE BEAM	SEE DIAG
S1A	5	14	5'-8¾"	EDGE BEAM	SEE DIAG
W1	5	4	39'-4"	EDGE BEAM	STRAIGHT
W2	5	21	10'-1"	EDGE BEAM	STRAIGHT
			BENT 13 BK		
L1	5	4	3'-0¾"	EDGE BEAM	SEE DIAG
L2	5	4	6'-1"	EDGE BEAM	SEE DIAG
R1	8	12	4'-8"	EDGE BEAM	STRAIGHT
R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
S1	5	35	7'-4½"	EDGE BEAM	SEE DIAG
S1A	5	10	5'-8¾"	EDGE BEAM	SEE DIAG
S2	5	14	13'-5"	EDGE BEAM	SEE DIAG
S2A	5	4	8'-7½"	EDGE BEAM	SEE DIAG
W1	5	2	34'-5"	EDGE BEAM	STRAIGHT
W1A	5	4	9'-11"	EDGE BEAM	STRAIGHT
W1B	5	4	5'-9"	EDGE BEAM	STRAIGHT
W2	5	21	8'-10"	EDGE BEAM	STRAIGHT
W3	5	2	7'-6"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

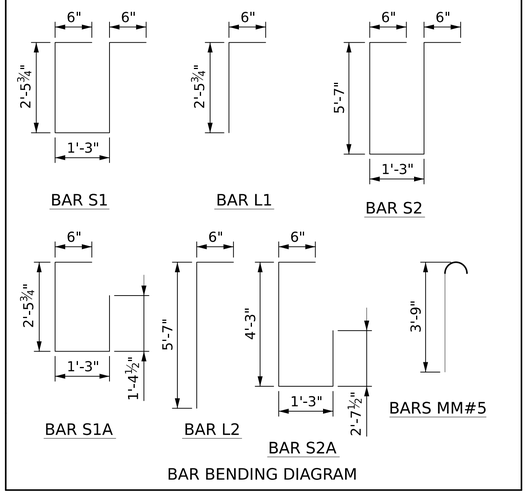
● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

∗ 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.

FOR C AND D BARS AND RAIL BARS SEE SPAN 11 BILL OF REINFORCEMENT.

BILL OF REINFORCEMENT (SPAN 13)

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
MM	5	6	4'-4"	DECK	SEE DIAG
RH	5	219	6'-3"	DECK	STRAIGHT
			BENT 13 AH		
L1	5	8	2'-11¾"	EDGE BEAM	SEE DIAG
R1	8	12	4'-8"	EDGE BEAM	STRAIGHT
R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
S1	5	49	7'-2½"	EDGE BEAM	SEE DIAG
S1A	5	14	5'-7¼"	EDGE BEAM	SEE DIAG
W1	5	4	34'-4"	EDGE BEAM	STRAIGHT
W2	5	21	8'-8"	EDGE BEAM	STRAIGHT
			BENT 14 BK		
L1	5	4	2'-11¾"	EDGE BEAM	SEE DIAG
L2	5	4	6'-1"	EDGE BEAM	SEE DIAG
R1	8	12	4'-8"	EDGE BEAM	STRAIGHT
R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
S1	5	25	7'-2½"	EDGE BEAM	SEE DIAG
S1A	5	10	5'-7¼"	EDGE BEAM	SEE DIAG
S2	5	10	13'-5"	EDGE BEAM	SEE DIAG
S2A	5	4	8'-7½"	EDGE BEAM	SEE DIAG
W1	5	2	58'-4"	EDGE BEAM	STRAIGHT
W1A	5	4	8'-6"	EDGE BEAM	STRAIGHT
W1B	5	4	4'-5"	EDGE BEAM	STRAIGHT
W2	5	21	7'-6"	EDGE BEAM	STRAIGHT
W3	5	2	6'-3"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

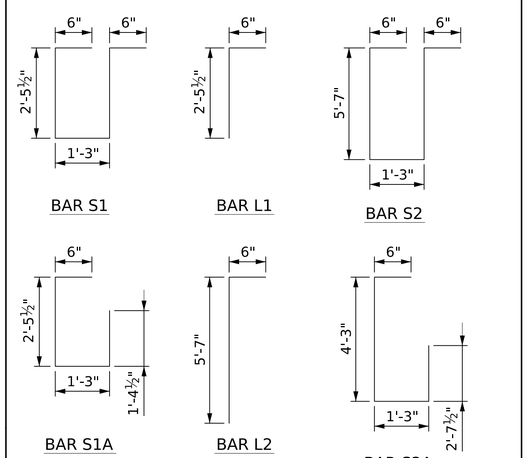
● SEE 54" SINGLE FACE BARRIER STANDARD DWG.

∗ 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.

FOR C AND D BARS AND RAIL BARS SEE SPAN 11 BILL OF REINFORCEMENT.

BILL OF REINFORCEMENT (SPAN 14)

	MARK	SIZE	NO	LENGTH	LOCATION	BENDING
	BL	4	8	111'-0"	RAIL	∗STRAIGHT
	B1	4	223	5'-11¾"	RAIL	▲SEE DIAG
	B2	4	223	4'-6"	RAIL	▲SEE DIAG
	BL(54)	6	12	110'-11¾"	RAIL	∗STRAIGHT
	B1(54)	5	223	9'-4"	RAIL	● SEE DIAG
	B2(54)	5	223	5'-7½"	RAIL	● SEE DIAG
	C1	5	444	60'-0"	DECK	STRAIGHT
	C2	5	444	VARIES FROM 8'-1" TO 6'-1"	DECK	STRAIGHT
***	D	4	171	60'-0'	DECK	STRAIGHT
***	D1	4	2	31'-11"	DECK	STRAIGHT
***	D2	4	161	52'-1"	DECK	STRAIGHT
	RH	5	225	6'-3"	DECK	STRAIGHT
				BENT 14 AH		
	L1	5	7	2'-11½"	EDGE BEAM	SEE DIAG
	R1	8	10	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	42	7'-2"	EDGE BEAM	SEE DIAG
	S1A	5	12	5'-7"	EDGE BEAM	SEE DIAG
	W1	5	2	58'-2"	EDGE BEAM	STRAIGHT
	W2	5	18	8'-9"	EDGE BEAM	STRAIGHT
				ABUT 15 BK		
	L1	5	3	2'-11½"	EDGE BEAM	SEE DIAG
	L2	5	4	6'-1"	EDGE BEAM	SEE DIAG
	R1	8	10	4'-8"	EDGE BEAM	STRAIGHT
	R2	8	4	2'-4"	EDGE BEAM	STRAIGHT
	S1	5	24	7'-2"	EDGE BEAM	SEE DIAG
	S1A	5	8	5'-7"	EDGE BEAM	SEE DIAG
	S2	5	12	13'-5"	EDGE BEAM	SEE DIAG
	S2A	5	4	8'-7½"	EDGE BEAM	SEE DIAG
	W1	5	2	56'-3"	EDGE BEAM	STRAIGHT
	W1A	5	4	9'-7"	EDGE BEAM	STRAIGHT
	W1B	5	4	5'-5"	EDGE BEAM	STRAIGHT
	W2	5	18	8'-5"	EDGE BEAM	STRAIGHT
	W3	5	2	7'-3"	EDGE BEAM	STRAIGHT



BAR BENDING DIAGRAM

▲ SEE BRIDGE SPECIAL PROJECT DWG NO BBR-1.

● 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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S) 021828

COUNTY(S) MOBILE

DESIGNER: E. LEON DATE:

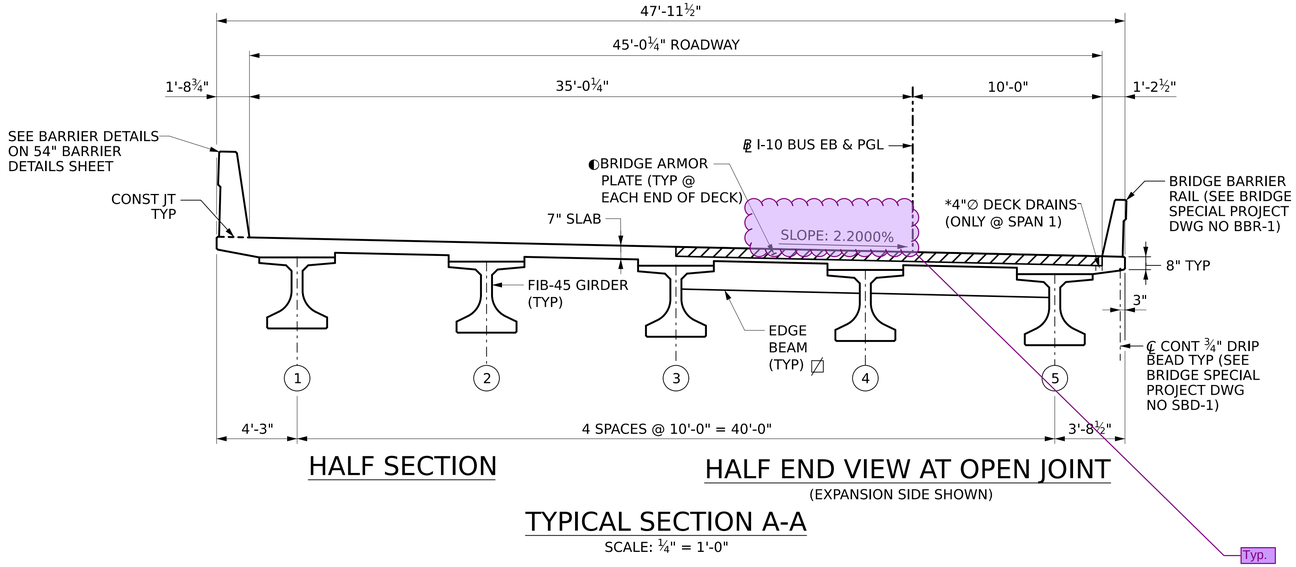
BRIDGE SHEET NO. 27 OF 89

SHEET TITLE

MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SPANS BILL OF REINFORCEMENT (3)

MRB-S01-BR-11027.dgn kirk.mcdonald 7:10:40 PM 6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11028



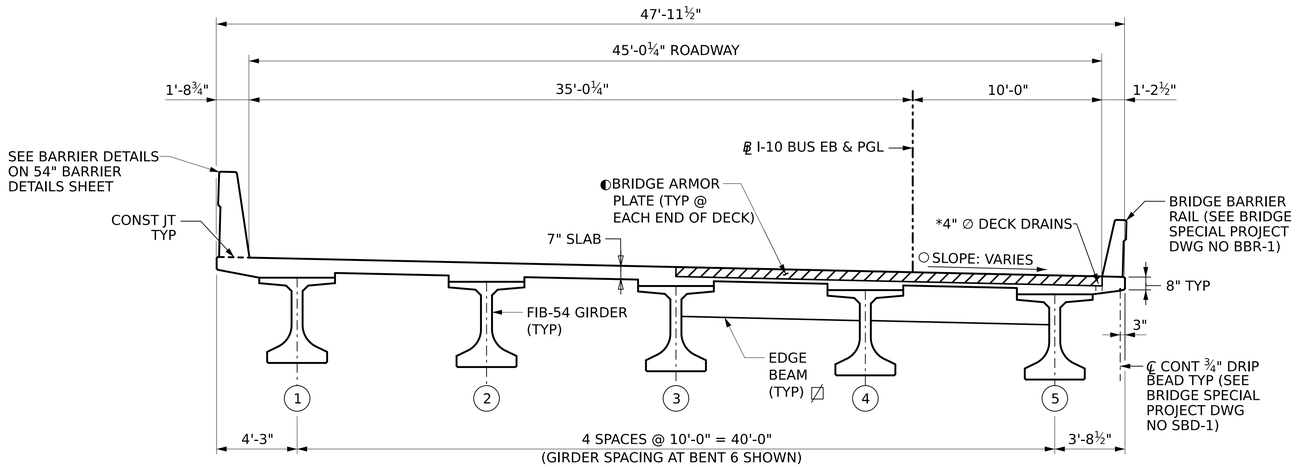
HALF SECTION

HALF END VIEW AT OPEN JOINT

(EXPANSION SIDE SHOWN)

TYPICAL SECTION A-A

SCALE: ¼" = 1'-0"



HALF SECTION

HALF END VIEW AT OPEN JOINT

(EXPANSION SIDE SHOWN)

TYPICAL SECTION B-B

SCALE: ¼" = 1'-0"

NOTES:

◐ 1. FOR BRIDGE ARMOR PLATE DETAILS, SEE BRIDGE SPECIAL PROJECT DRAWING NO SBD-1.

○ 2. FOR SUPERELEVATION DATA, SEE SUPERELEVATION DIAGRAM.

∗ 3. FOR DECK DRAIN LOCATIONS, SEE SPAN DETAILS SHEETS. FOR DECK DRAIN DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO SBD-1.

∗∗ 4. SPACING SHOWN FOR GIRDERS IS ALONG RADIAL LINES AT THE BEGINNING AND CENTERLINE BENT/ REQ'D DECK CONSTUCTION JOINTS.

⍁ 5. FOR EDGE BEAM DETAILS, SEE FIB-45 EDGE BEAM DETAIL SHEETS AND FIB-54 EDGE BEAM DETAIL SHEETS.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 28 OF 89

SHEET TITLE

MOBILE RIVER BRIDGE

I-10 BUS EB OVER CANAL STREET

TYPICAL SECTIONS (1 OF 3)

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-11028.dgn

cade.arras

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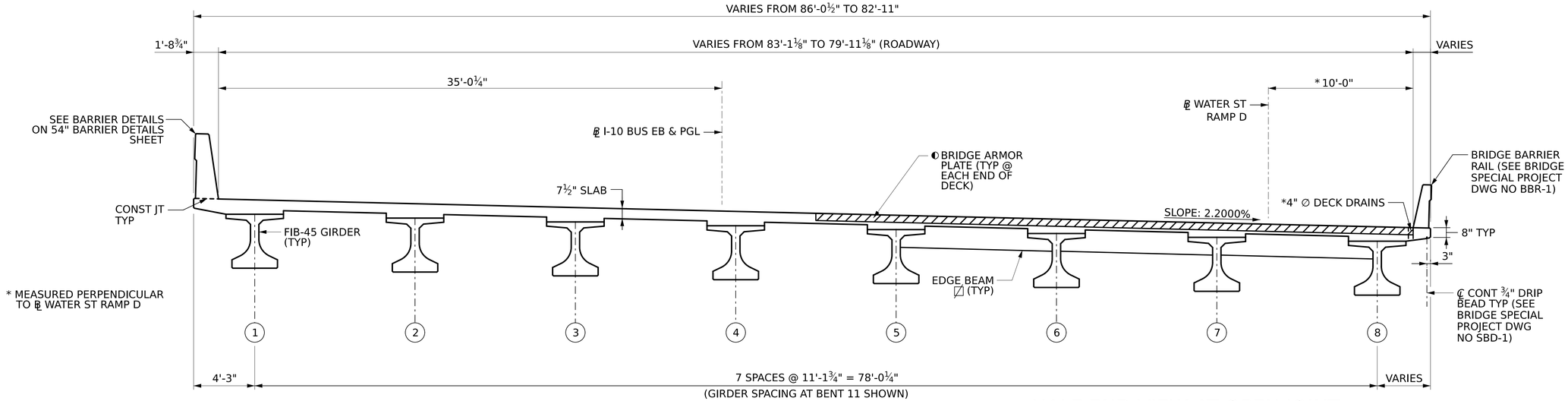
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11029

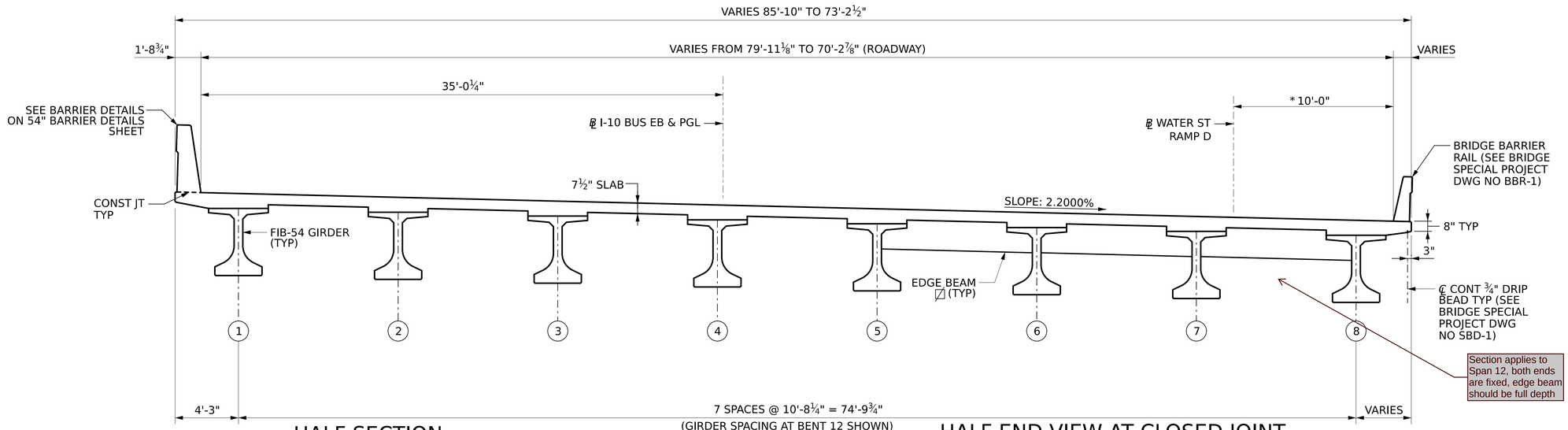
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



HALF SECTION

HALF END VIEW AT OPEN JOINT
(EXPANSION SIDE SHOWN)

TYPICAL SECTION C-C
SCALE: ¼" = 1'-0"



HALF SECTION

HALF END VIEW AT CLOSED JOINT

TYPICAL SECTION D-D
SCALE: ¼" = 1'-0"

NOTE:

1. FOR NOTES, SEE TYPICAL SECTION (1 OF 3) SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

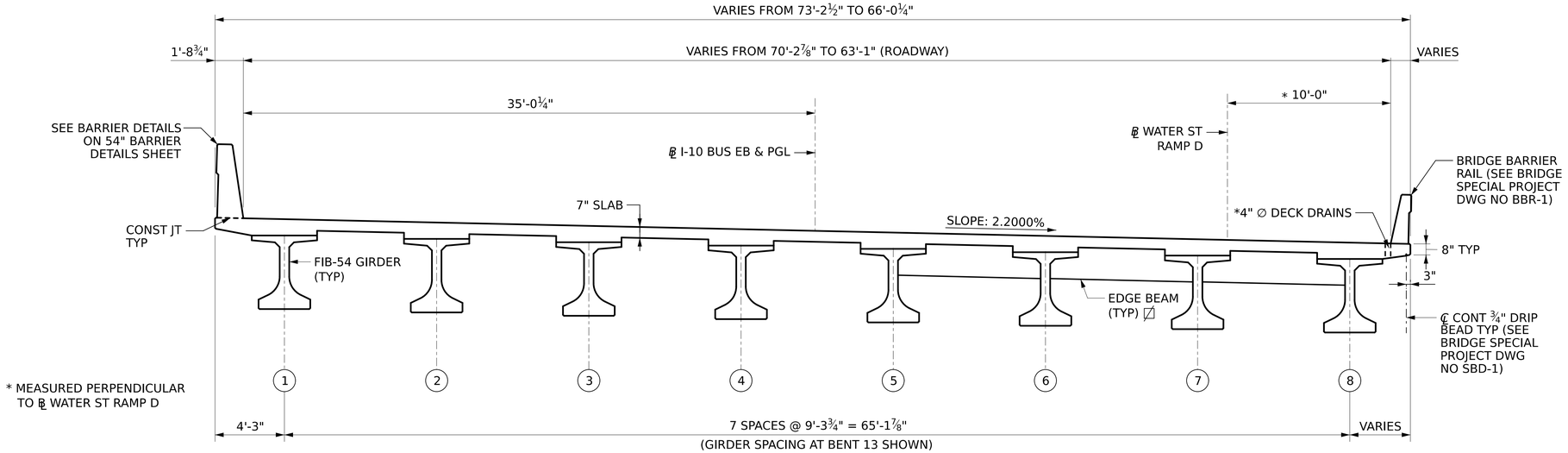
BRIDGE SHEET NO. 29 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TYPICAL SECTIONS (2 OF 3)

MRB-S01-BR-11029.dgn
cade.arras
6:27:04 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11030

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



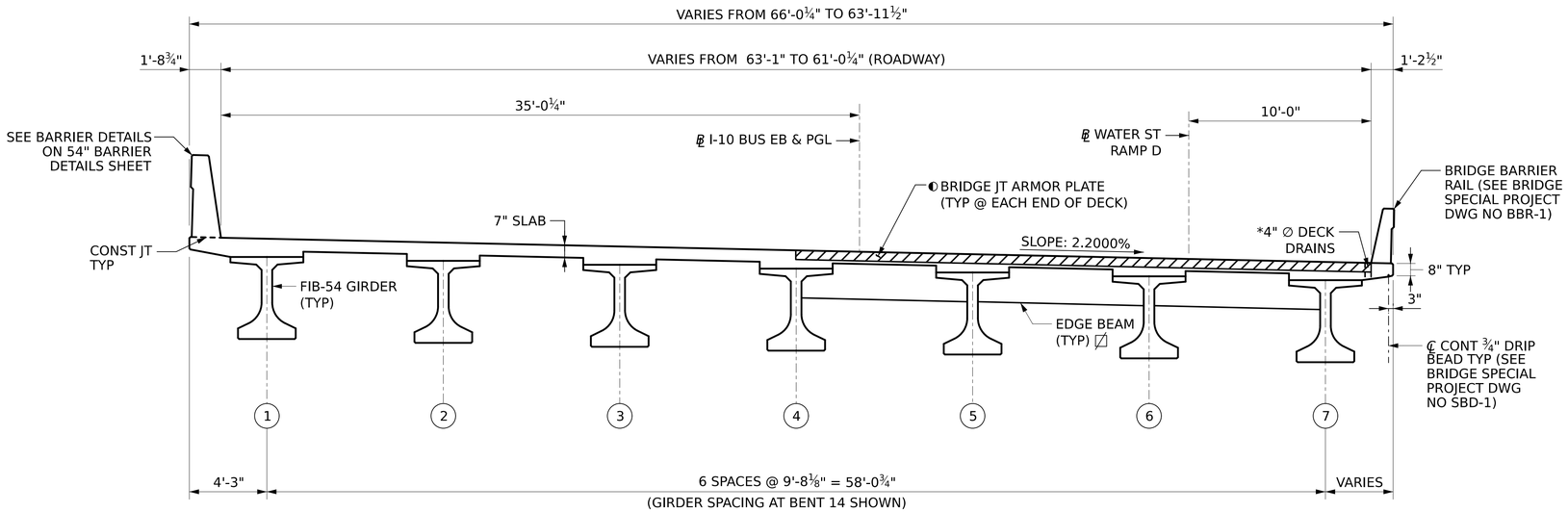
HALF SECTION

HALF END VIEW AT CLOSED JOINT

OPEN

TYPICAL SECTION E-E

SCALE: ¼" = 1'-0"



HALF SECTION

HALF END VIEW AT OPEN JOINT

(EXPANSION SIDE SHOWN)

TYPICAL SECTION F-F

SCALE: ¼" = 1'-0"

NOTE:

1. FOR NOTES, SEE TYPICAL SECTION (1 OF 3) SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 30 OF 89

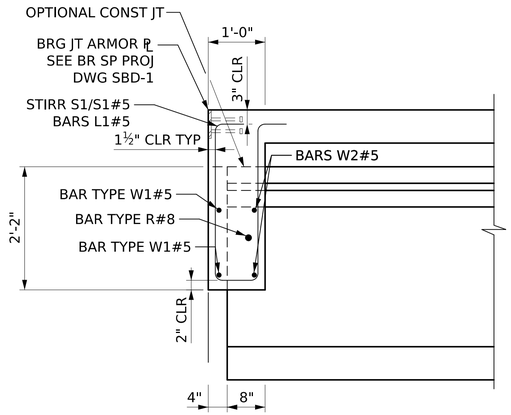
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TYPICAL SECTIONS (3 OF 3)

MRB-S01-BR-11030.dgn
cade.arras
6:27:22 PM
6/11/2025

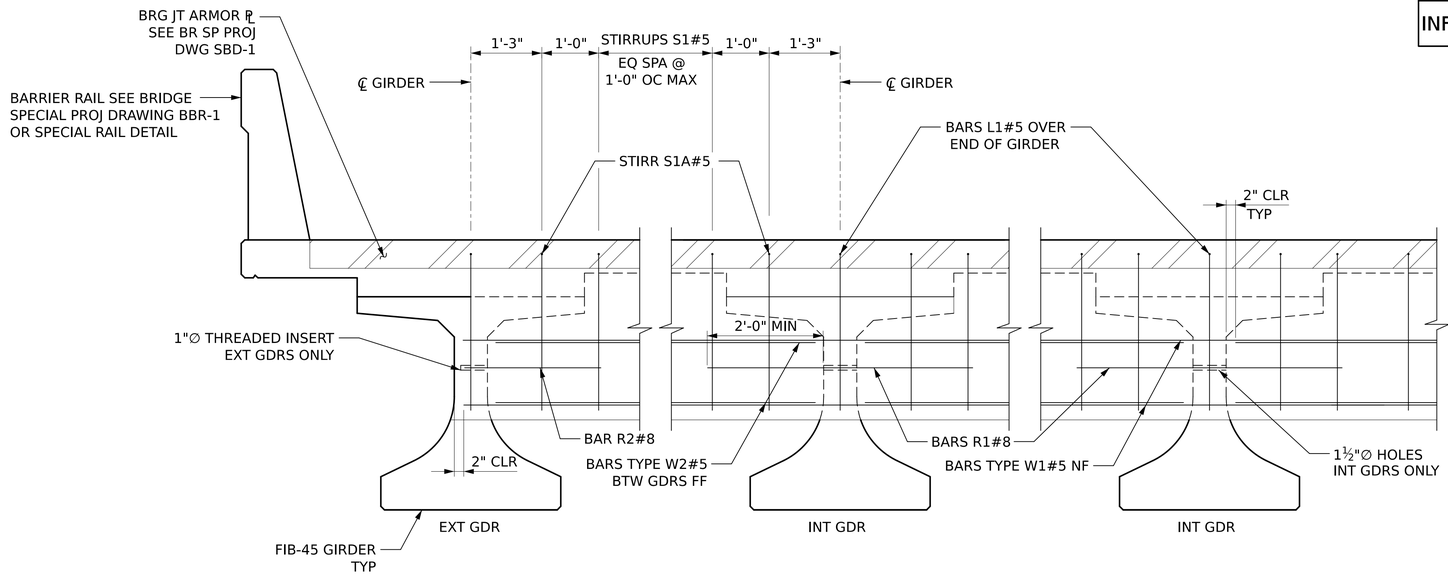
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11031

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

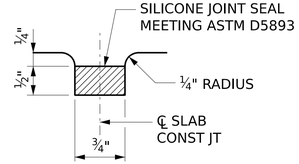
SHEET REFERENCE 0 1" 2"



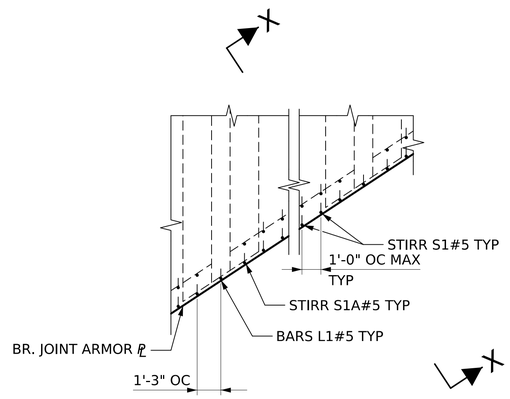
SECTION X-X
(OPEN JOINT)
SCALE: ¾" = 1'-0"



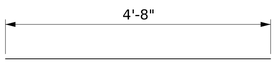
EDGE BEAM @ OPEN JOINT ANY SKEW (EXPANSION)
SCALE: ¾" = 1'-0"



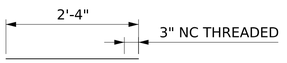
DETAIL B
NTS



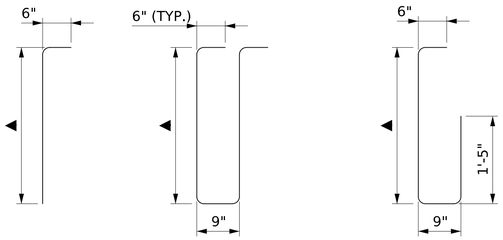
PLAN - EDGE BEAM @ OPEN JOINT (ANY SKEW)
SCALE: ¼" = 1'-0"



BAR R1#8

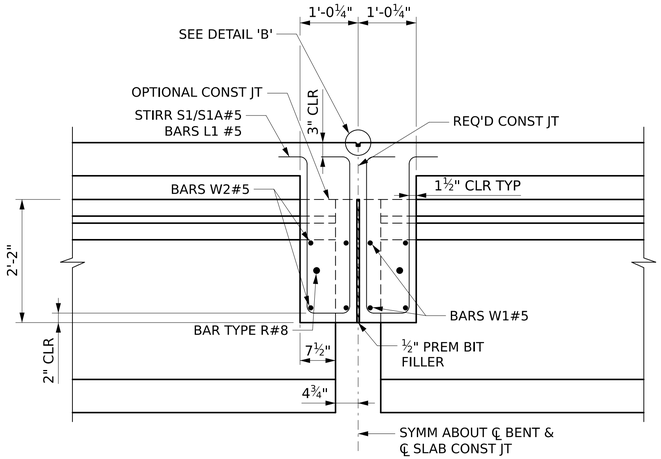


BAR R2#8



△ 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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: S. SHEA DATE:

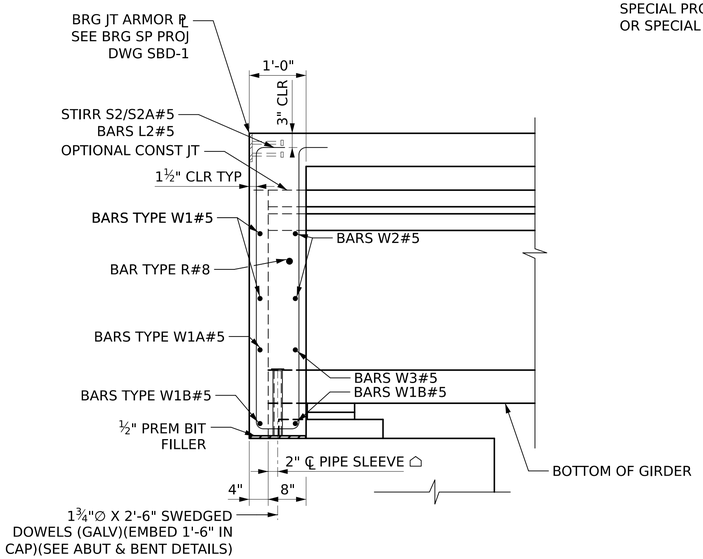
BRIDGE SHEET NO. 31 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-45 EDGE BEAM DETAILS (1 OF 2)

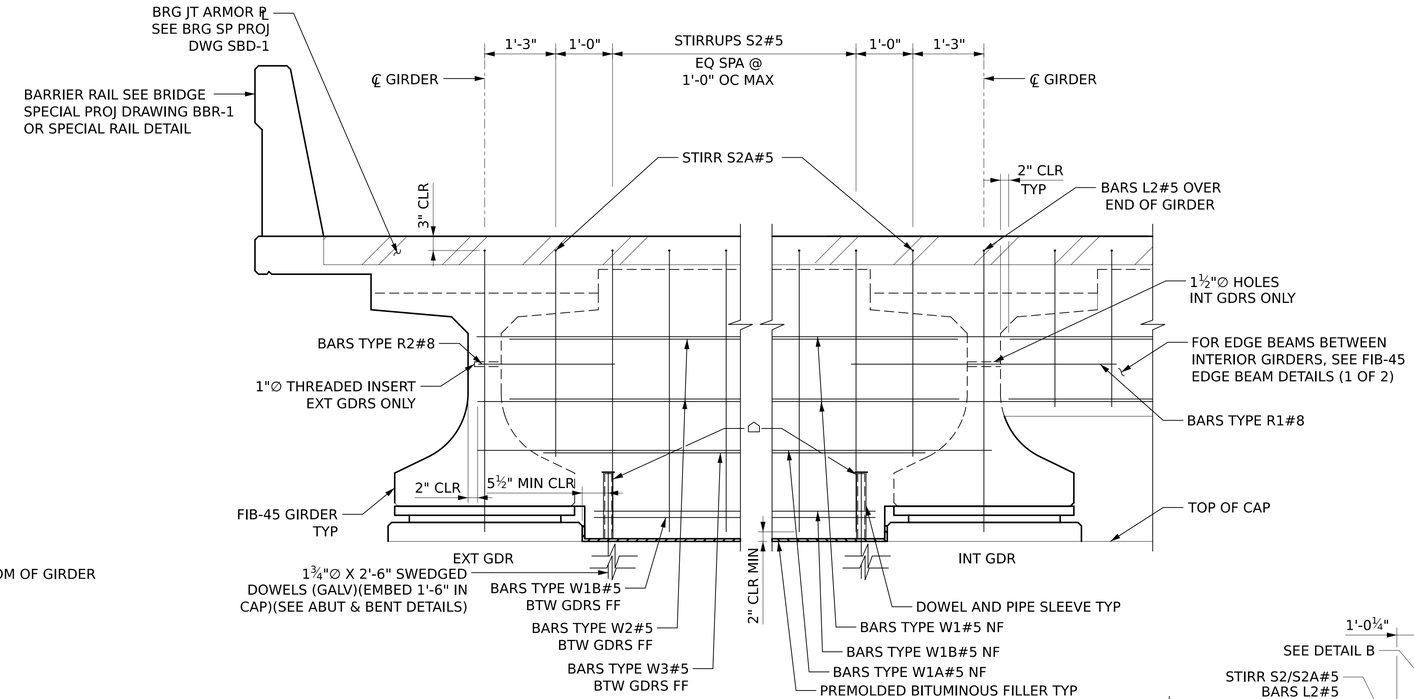
MRB-S01-BR-11031.dgn
cade.arras
6:27:42 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11032

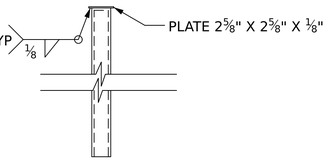
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



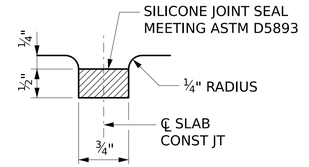
SECTION Y-Y
OPEN JOINT - FIXED
SCALE: ¾" = 1'-0"



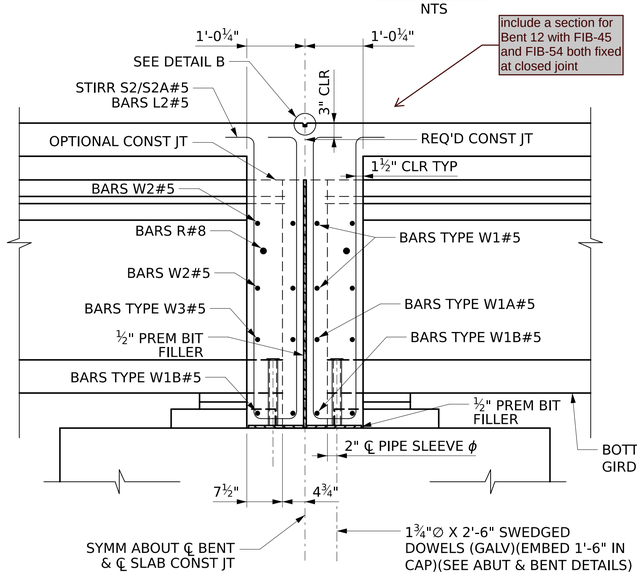
* EDGE BEAM @ OPEN JOINT ANY SKEW (FIXED)
SCALE: ¾" = 1'-0"



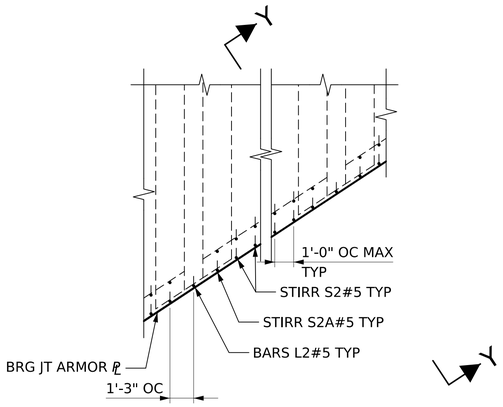
PIPE SLEEVE
NTS



DETAIL B
NTS

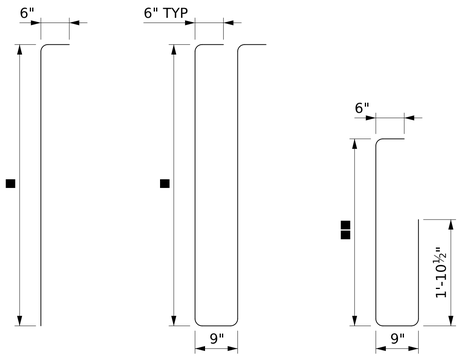


SECTION Y-Y
CLOSED JOINT - FIXED (IF SPECIFIED)
SCALE: ¾" = 1'-0"



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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: S. SHEA DATE:

BRIDGE SHEET NO. 32 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-45 EDGE BEAM DETAILS (2 OF 2)

MRB-S01-BR-11032.dgn
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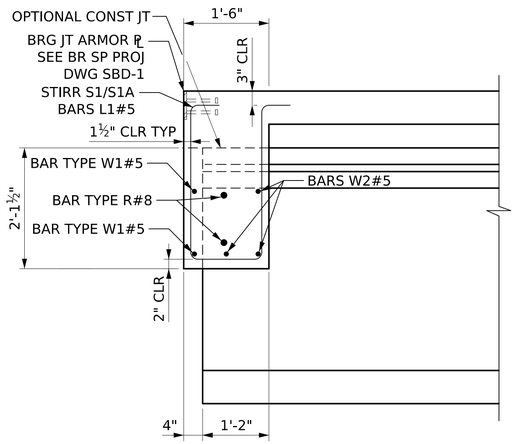
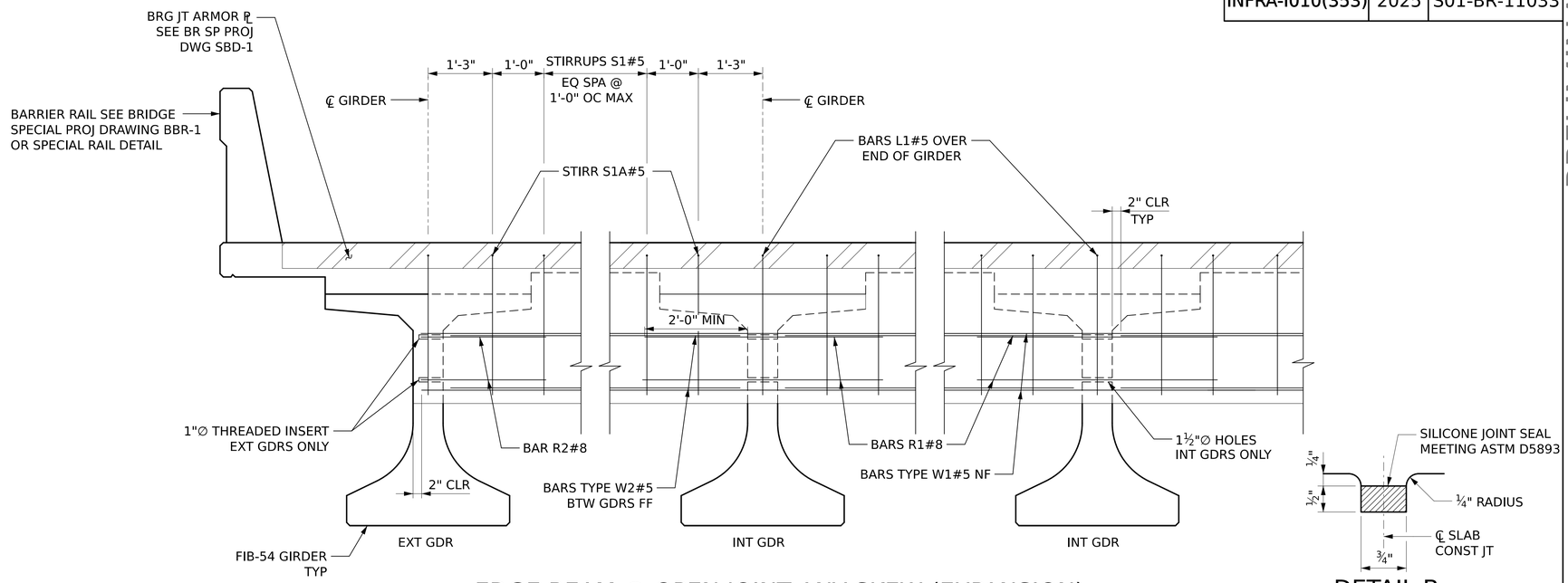
6:28:03 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11033

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

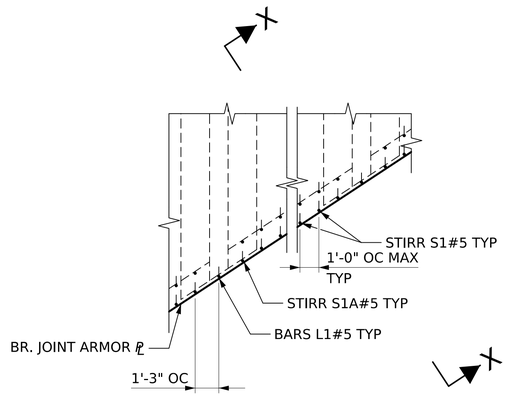


SECTION X-X
(OPEN JOINT)
SCALE: ¾" = 1'-0"

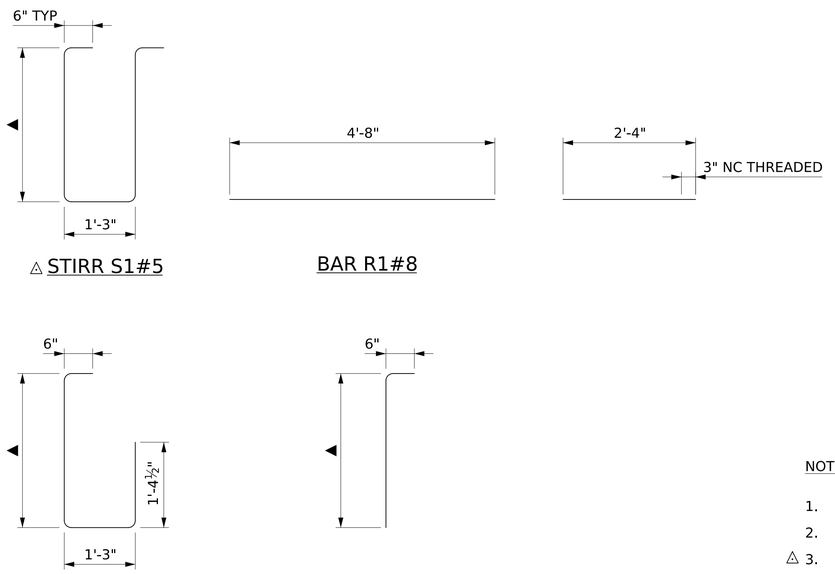


EDGE BEAM @ OPEN JOINT ANY SKEW (EXPANSION)
SCALE: ¾" = 1'-0"

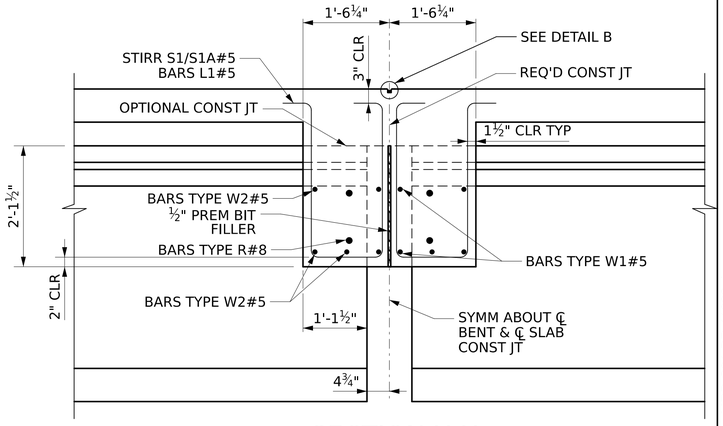
DETAIL B
NTS



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



▲ DECK + HAUNCH + 1'-8½"



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

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A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: S. SHEA DATE:

BRIDGE SHEET NO. 33 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-54 EDGE BEAM DETAILS (1 OF 2)

MRB-S01-BR-11033.dgn
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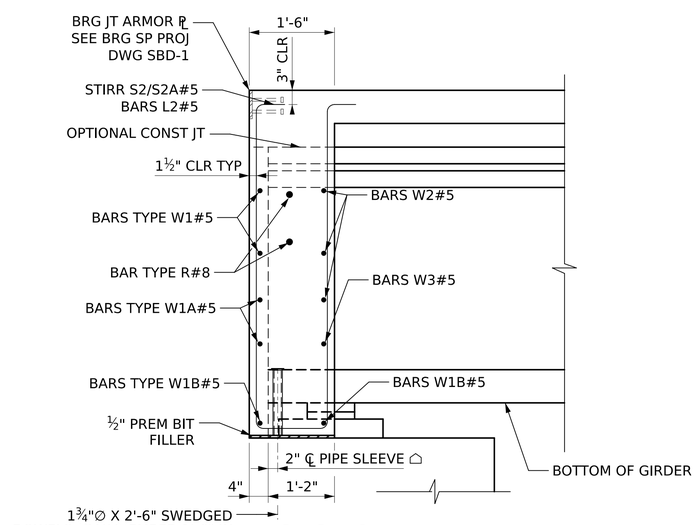
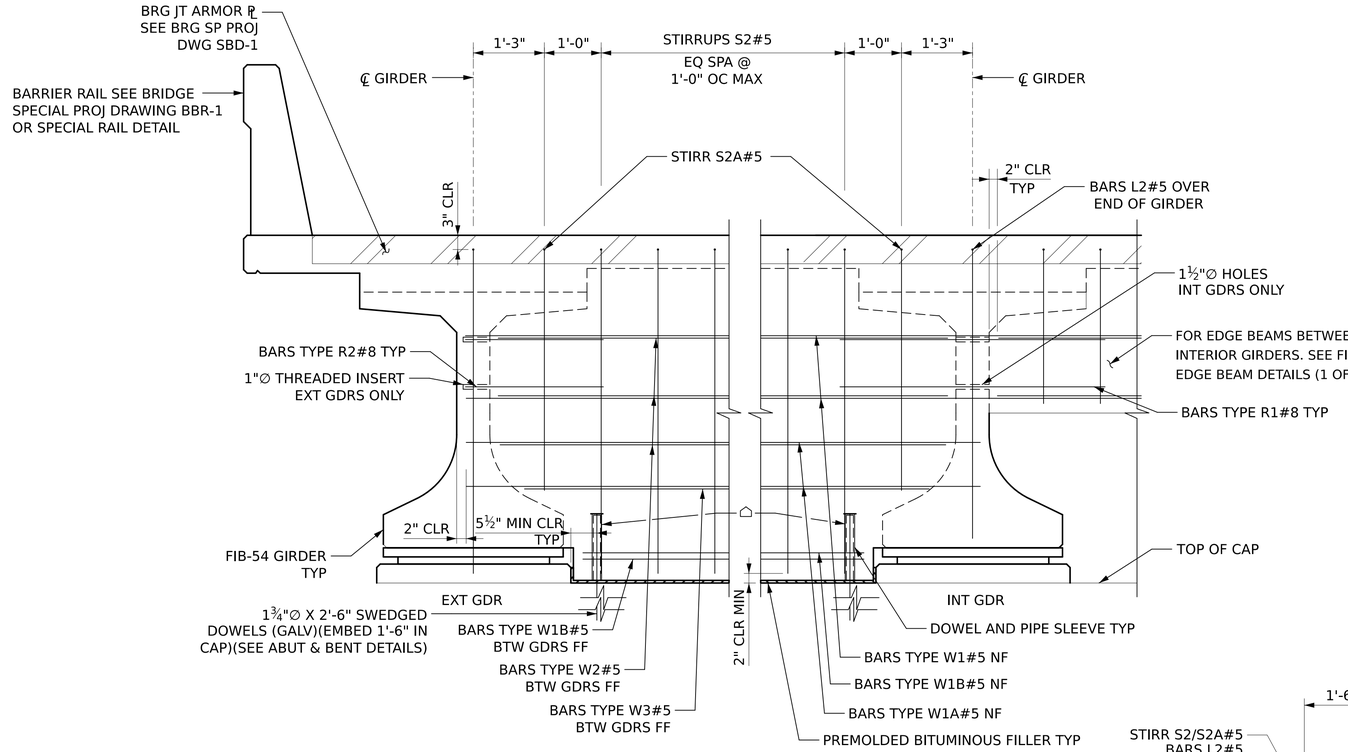
6:28:21 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11034

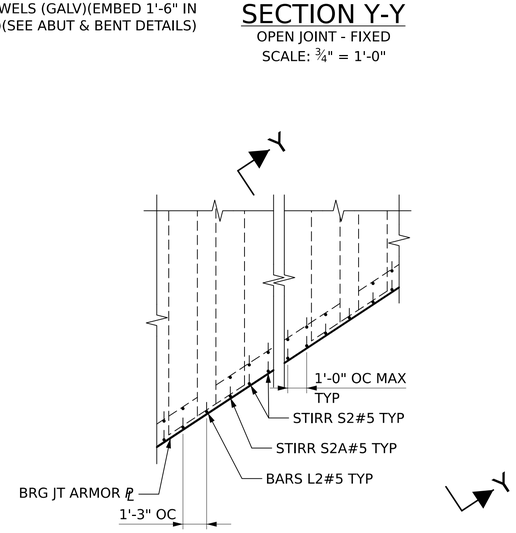
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



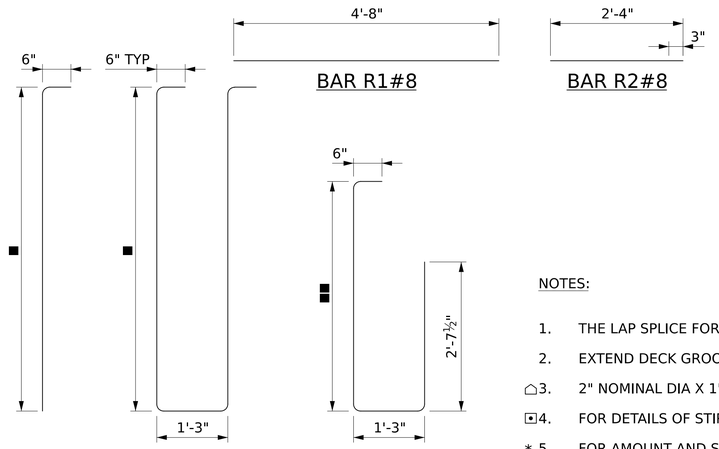
SECTION Y-Y
OPEN JOINT - FIXED
SCALE: ¾" = 1'-0"

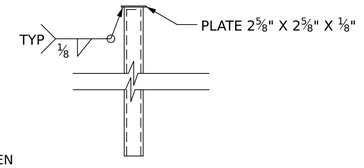


* EDGE BEAM @ OPEN JOINT ANY SKEW (FIXED)
SCALE: ¾" = 1'-0"

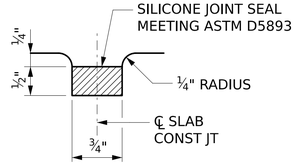


PLAN - EDGE BEAM @ FIXED JOINT ANY SKEW
SCALE: ¼" = 1'-0"

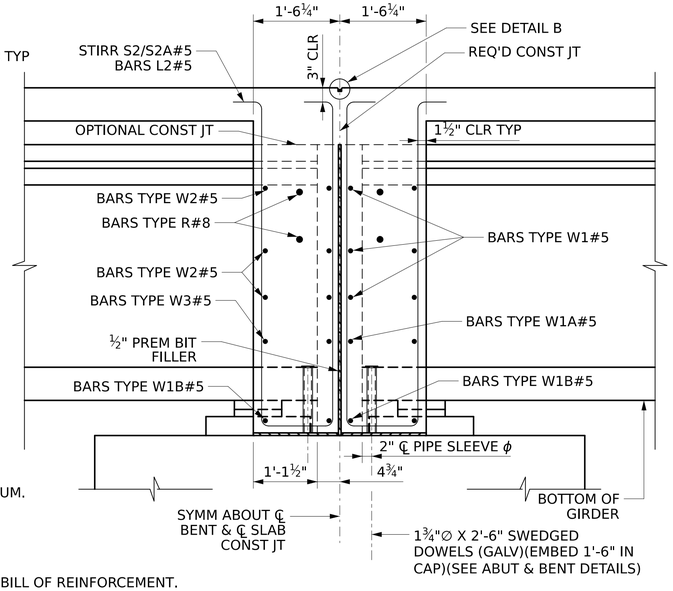




PIPE SLEEVE
NTS



DETAIL B
NTS



SECTION Y-Y
CLOSED JOINT - FIXED (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. 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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: S. SHEA DATE:

BRIDGE SHEET NO. 34 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-54 EDGE BEAM DETAILS (2 OF 2)

MRB-S01-BR-11034.dgn
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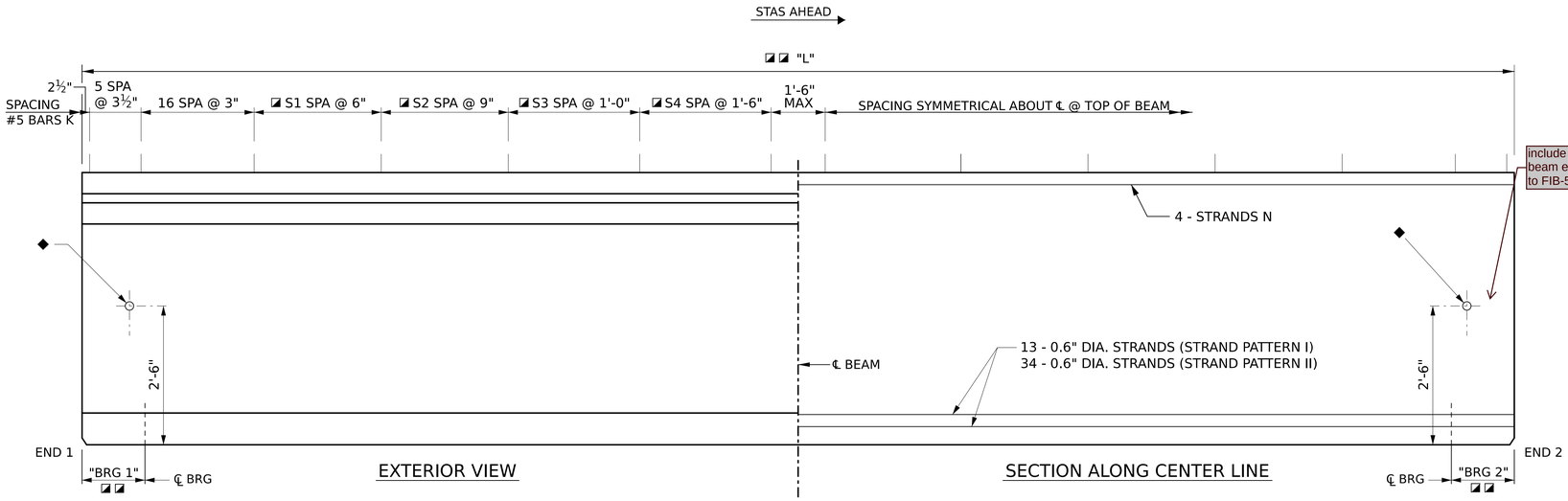
6:28:45 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11035

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

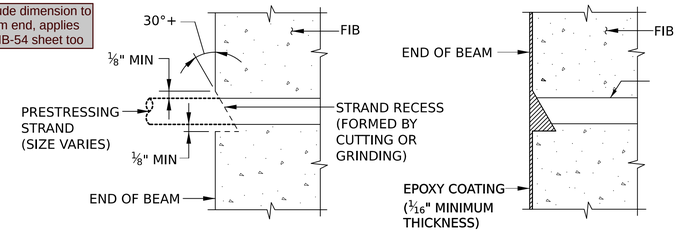
2" 1" SHEET REFERENCE 0



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

GIRDER ELEVATION (FIB-45)
NTS

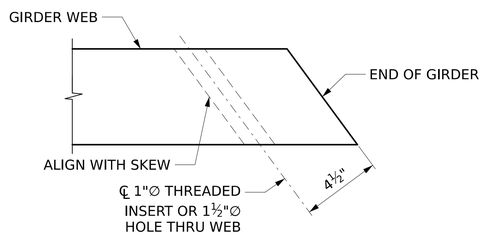
include dimension to beam end, applies to FIB-54 sheet too



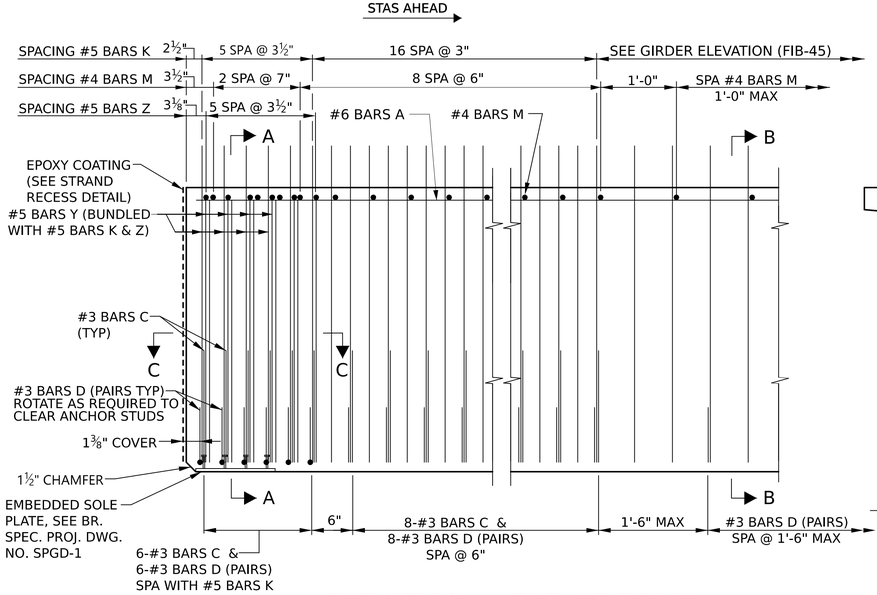
TYPICAL SECTION SHOWING RECESS LIMITS

TYPICAL SECTION AFTER EPOXY COATING

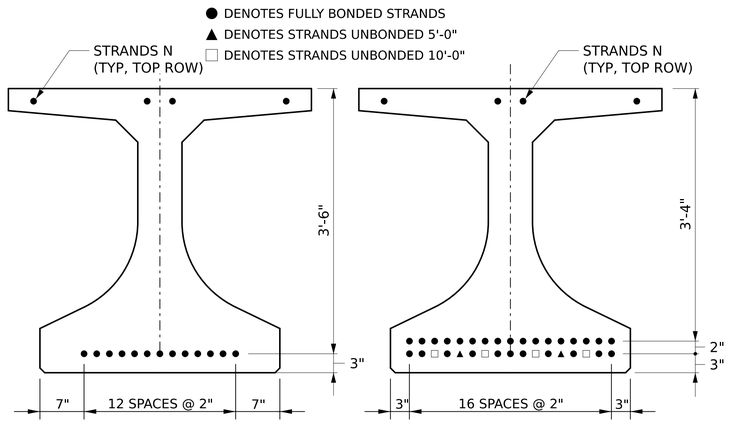
STRAND RECESS DETAILS
NTS



◆ TYPICAL PLAN VIEW
NTS



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



STRAND PATTERN I

STRAND PATTERN II

NOTES:

1. FOR PRESTRESSED CONCRETE GIRDER SCHEDULE, SEE PRESTRESSED GIRDER SCEHDULE (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 20,000 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. 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 D 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 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. STRANDS SHOWN UNBONDED SHALL USE PLASTIC SHEATHS AROUND CABLES FOR THE DISTANCES SHOWN FROM THE ENDS OF THE GIRDERS.
17. 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.
18. ON BEAMS WITH SKEWED ENDS, THE DEBONDED LENGTH SHALL BE MEASURED ALONG ℄ BEAM FOR ALL DEBONDED STRANDS.
19. FOR NUMBER OF SPACES BARS K, SEE GIRDER SCHEDULE (3 OF 3) SHEET.
20. FOR PLACEMENT OF REINFORCEMENT IN BEAMS WITH SKEWED END CONDITIONS, SEE SKEWED GIRDER END DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

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A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 35 OF 89

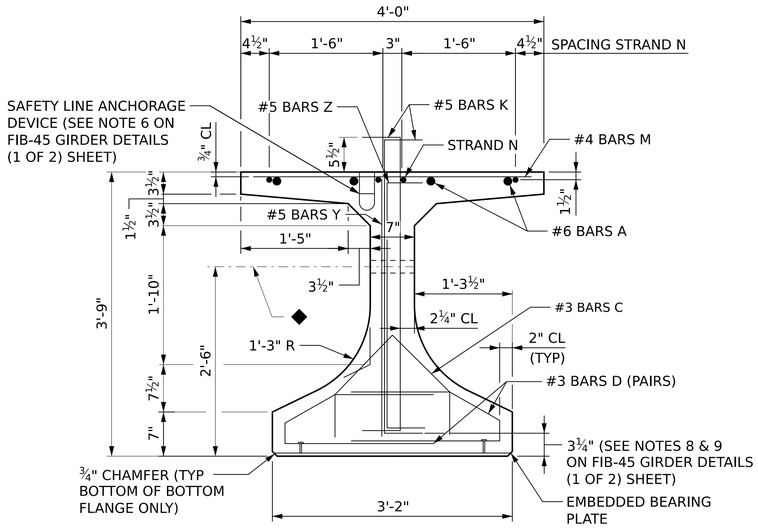
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-45 GIRDER DETAILS (1 OF 2)

MRB-S01-BR-11035.dgn
cade.arras
6:29:04 PM
6/11/2025

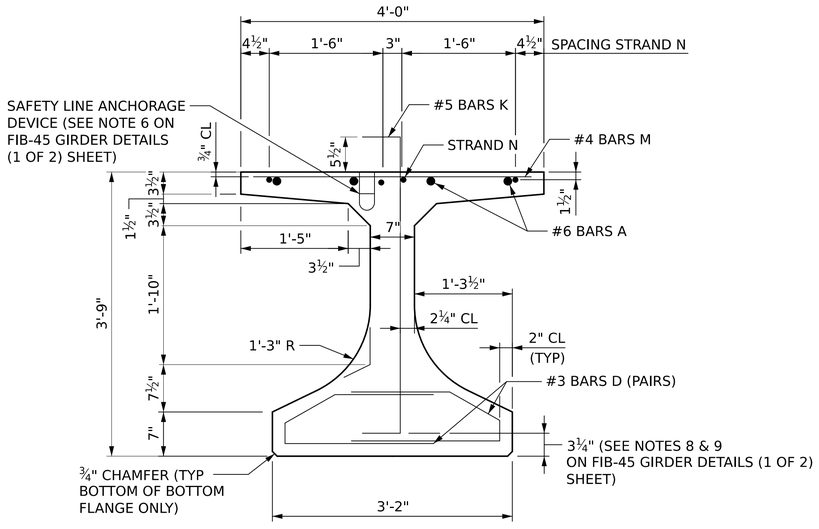
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11036

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

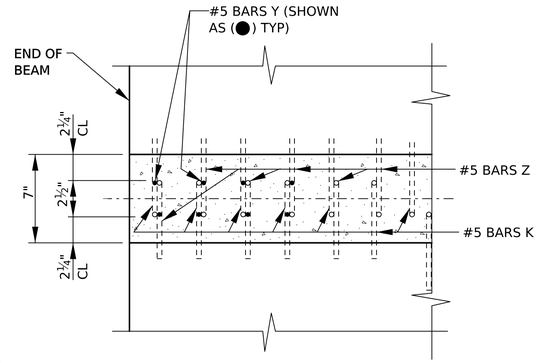
SHEET REFERENCE 0 1" 2"



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

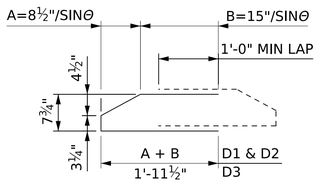


SECTION B-B
SCALE: 1" = 1'-0"

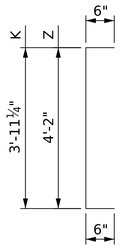


SECTION C-C
(SHOWING #5 BARS K, Y & Z ONLY)

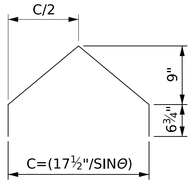
Θ = 90° FOR BARS D3



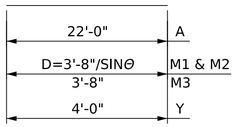
BARS D1, D2, & D3



BARS K & Z

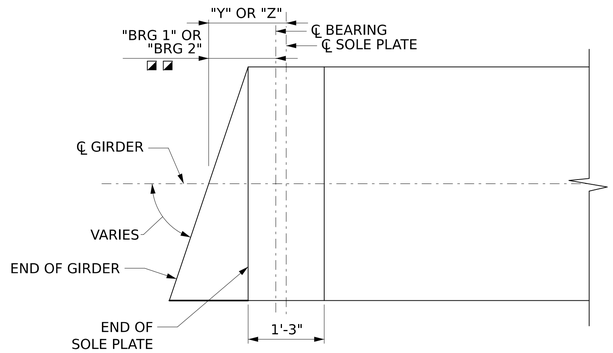


BARS C1 & C2



BARS A, M1, M2, M3, & Y

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



PLAN EMBEDDED SOLE PLATE DETAIL
NTS

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

EMBEDDED SOLE PLATE LOCATION			
SPAN	BEAM	Y (END 1)	Z (END 2)
1	1-5	1'-3½"	1'-1¼"
2 & 3	1-5	1'-1¼"	1'-1¼"
11	1	1'-1¼"	1'-1¼"
11	2	1'-1¼"	1'-1¾"
11	3	1'-1¼"	1'-1¾"
11	4	1'-1¼"	1'-1⅞"
11	5	1'-1¼"	1'-1⅞"
11	6	1'-1¼"	1'-2"
11	7	1'-1¼"	1'-2⅜"
11	8	1'-1⅜"	1'-2⅞"

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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

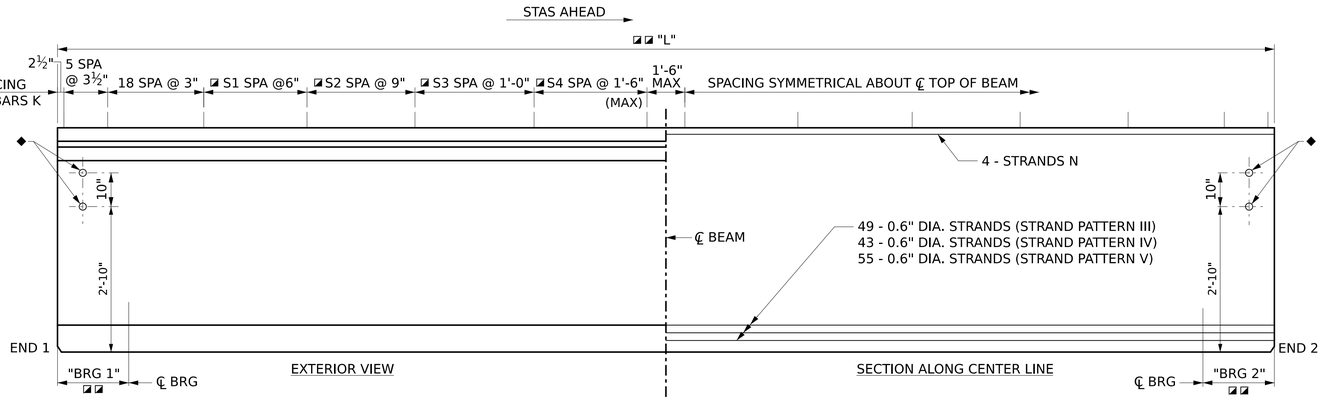
BRIDGE SHEET NO. 36 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-45 GIRDER DETAILS (SHEET 2 OF 2)

MRB-S01-BR-11036.dgn
cade.arras
6:29:23 PM
6/11/2025

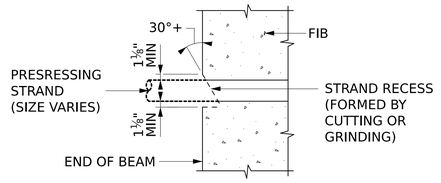
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11037

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

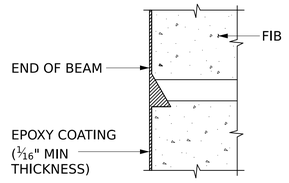


◆℄ OF 1½" ∅ HOLE (INT GIRDERS) OR 1" ∅ THREADED INSERT (INSIDE FACE ONLY, EXT GIRDERS) FOR #8 BARS R

GIRDER ELEVATION (FIB-54)
NTS

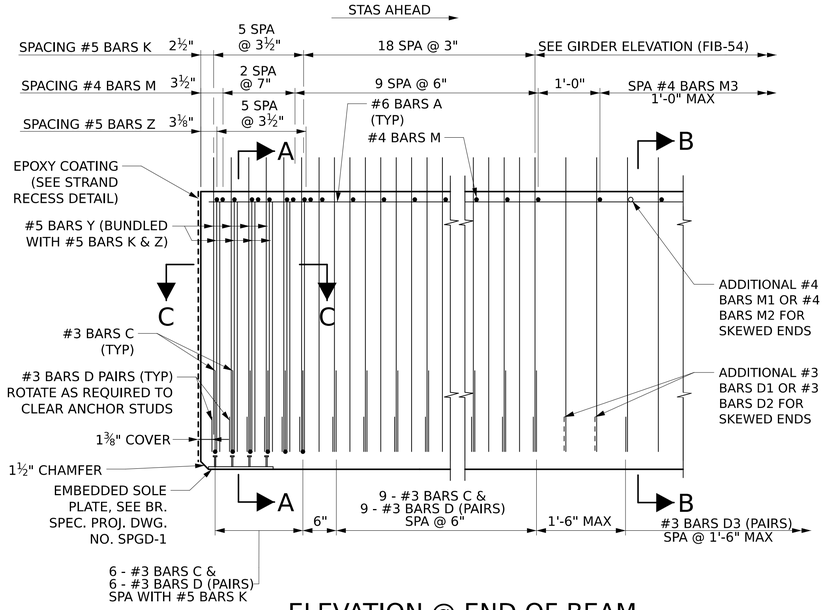


TYPICAL SECTION SHOWING RECESS LIMITS

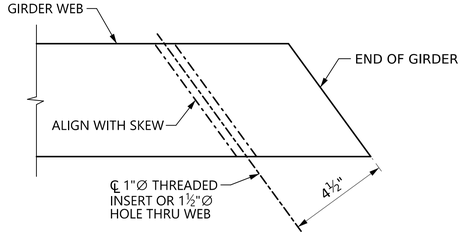


TYPICAL SECTION AFTER EPOXY COATING

STRAND RECESS DETAILS
NTS

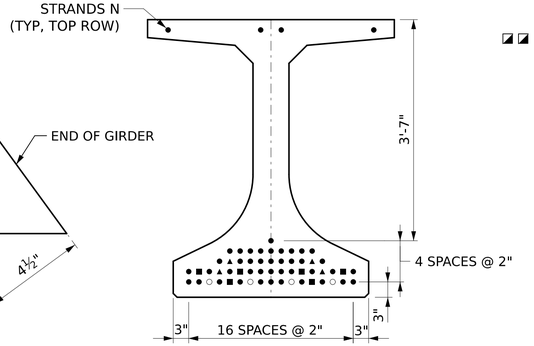


ELEVATION @ END OF BEAM
(END 1 SHOWN, END 2 SIMILAR)
(FLANGES NOT SHOWN FOR CLARITY)

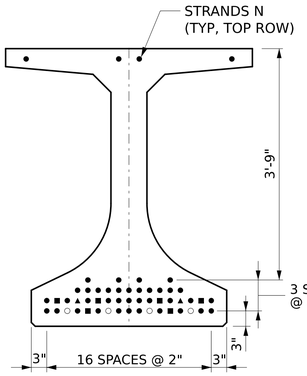


◆ TYPICAL PLAN VIEW
NTS

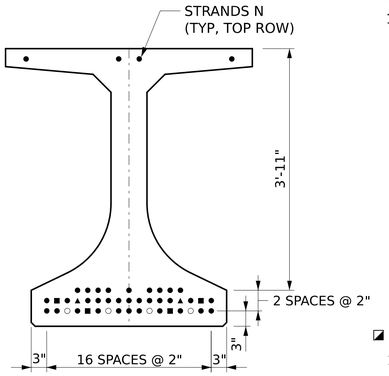
● DENOTES FULLY BONDED STRANDS
▲ DENOTES STRANDS UNBONDED 8'-0"
■ DENOTES STRANDS UNBONDED 12'-0"
○ DENOTES STRANDS UNBONDED 16'-0"



STRAND PATTERN V



STRAND PATTERN III



STRAND PATTERN IV

NOTES:

1. FOR PRESTRESSED CONCRETE GIRDER SCHEDULE, SEE PRESTRESSED GIRDER SCHEDULE (1 & 2) SHEETS.
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 20,000 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. 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 BRIDGE SPECIAL PROJECT DWG NO SPGD-1 AND JOINT LAYOUT SHEET.
14. FOR SECTIONS A-A, B-B & C-C, SEE FIB-54 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. STRANDS SHOWN UNBONDED SHALL USE PLASTIC SHEATHS AROUND CABLES FOR THE DISTANCES SHOWN FROM THE ENDS OF THE GIRDERS.
17. 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.
18. ON BEAMS WITH SKEWED END, THE DEBONDED LENGTH SHALL BE MEASURED ALONG CL OF BEAM FOR ALL DEBONDED STRANDS.
19. FOR NUMBER OF SPACES BARS K, SEE GIRDER SCHEDULE (3 OF 3) SHEET.
20. FOR PLACEMENT OF REINFORCEMENT IN BEAMS WITH SKEWED END CONDITIONS, SEE SKEW GIRDER END DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

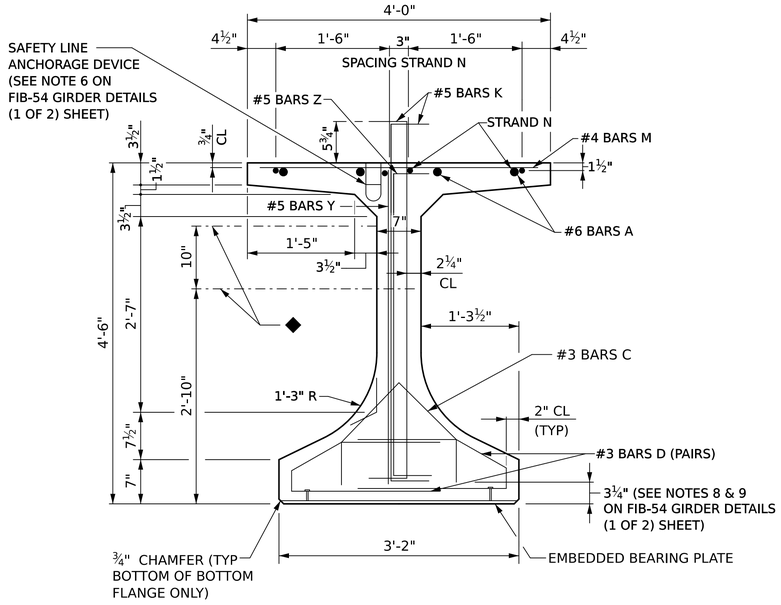
BRIDGE SHEET NO. 37 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-54 GIRDER DETAILS (1 OF 2)

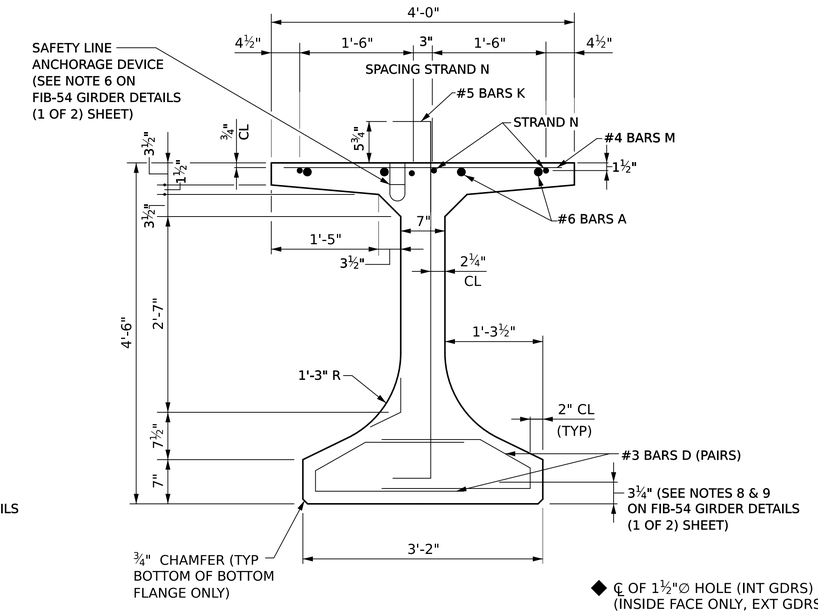
MRB-S01-BR-11037.dgn
cade.arras
6:29:44 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11038

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

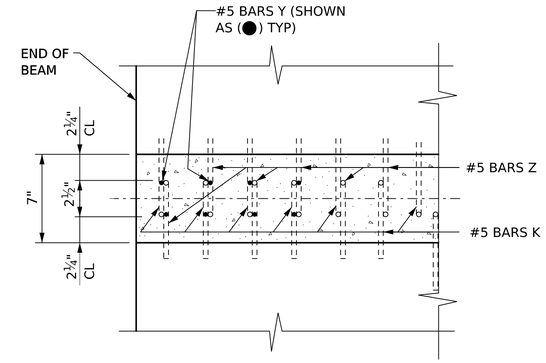


SECTION A-A
SCALE: 1" = 1'-0"

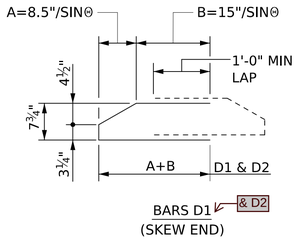


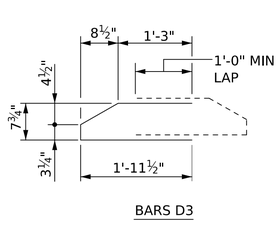
SECTION B-B
SCALE: 1" = 1'-0"

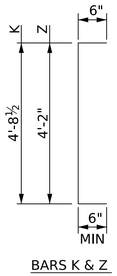
◆ ℄ OF 1½"∅ HOLE (INT GDRS) OR 1"∅ THREADED INSERT (INSIDE FACE ONLY, EXT GDRS) FOR #8 BARS R.

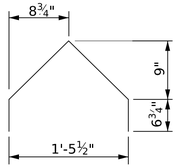


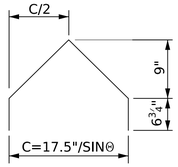
SECTION C-C
(SHOWING #5 BARS, K, Y, & Z ONLY)

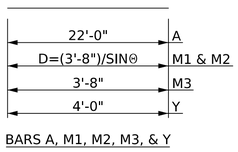




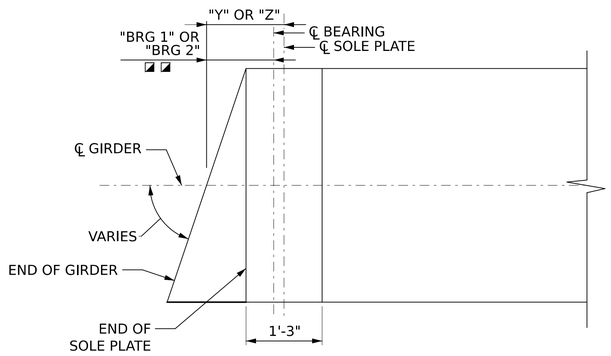








BAR BENDING DIAGRAM



PLAN EMBEDDED SOLE PLATE DETAIL
NTS

EMBEDDED SOLE PLATE LOCATION			
SPAN	BEAM	Y (END 1)	Z (END 2)
4-10	1-5	1'-1¼"	1'-1¼"
12	1	1'-1¾"	1'-1¾"
12	2	1'-1¾"	1'-1¾"
12	3	1'-1⅞"	1'-1⅞"
12	4	1'-1⅞"	1'-1⅞"
12	5	1'-1⅞"	1'-1⅞"
12	6	1'-2"	1'-2"
12	7	1'-2¼"	1'-2¼"
12	8	1'-2½"	1'-2½"
13	1	1'-1¾"	1'-1¼"
13	2	1'-1¾"	1'-1¼"
13	3	1'-1¾"	1'-1¼"
13	4	1'-1⅞"	1'-1¼"
13	5	1'-1⅞"	1'-1¼"
13	6	1'-1⅞"	1'-1¼"
13	7	1'-1⅞"	1'-1¼"
13	8	1'-2"	1'-1¼"
14	1-7	1'-1¼"	1'-3½"

NOTES:

1. FOR PRESTRESSED CONCRETE GIRDER NOTES, SEE FIB-54 GIRDER DETAILS (1 OF 2) SHEET.
2. FOR LOCATION OF SECTION CUTS A-A, B-B & C-C, SEE FIB-54 GIRDER DETAILS (1 OF 2) SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 38 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
FIB-54 GIRDER DETAILS (2 OF 2)

MRB-S01-BR-11038.dgn
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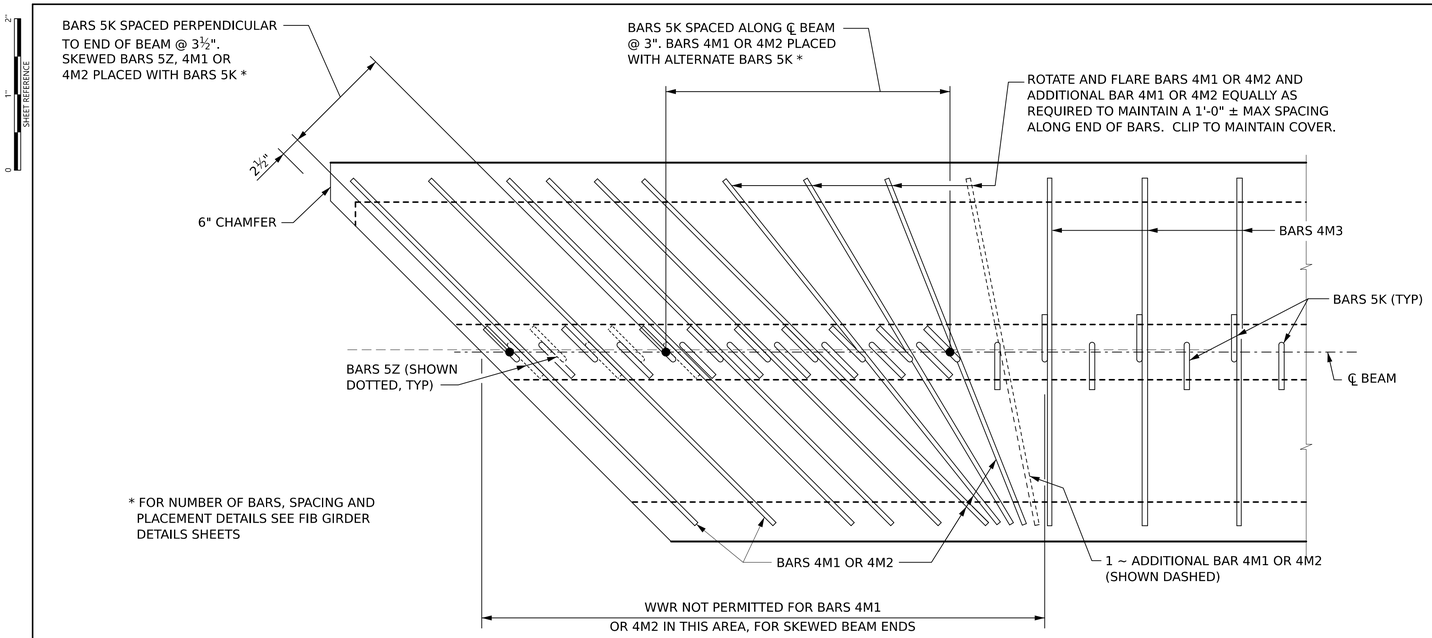
6:30:08 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11039

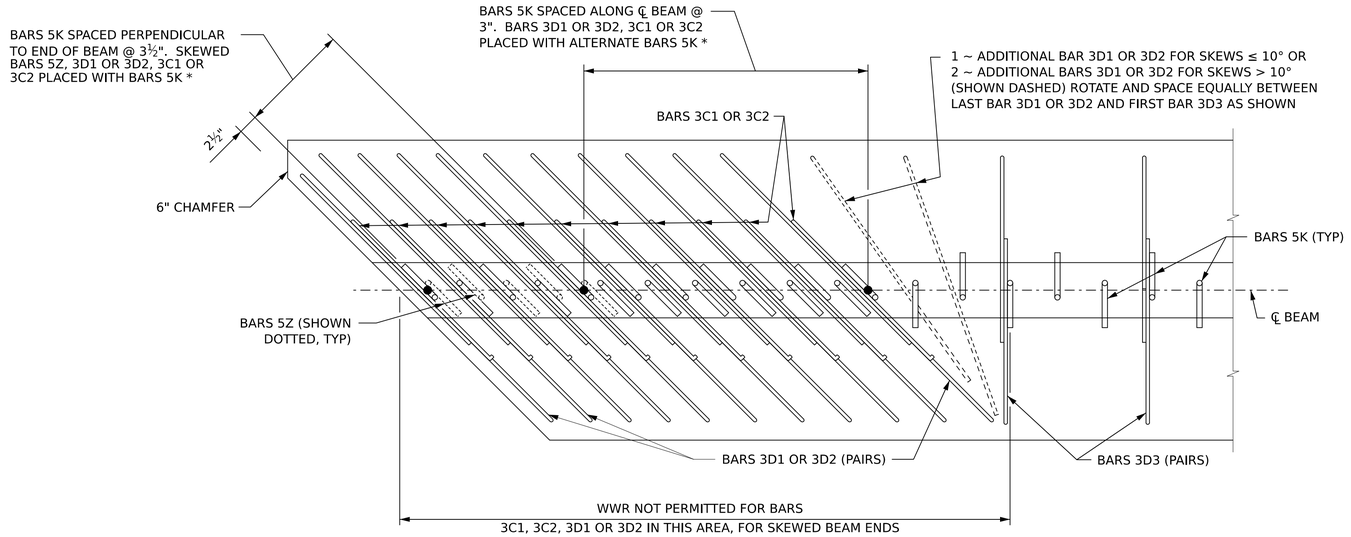
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL

90%

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 39 OF 89

SHEET TITLE

MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
SKEWED GIRDER DETAILS

MRB-S01-BR-11039.dgn
cade.arras
6:30:27 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11040

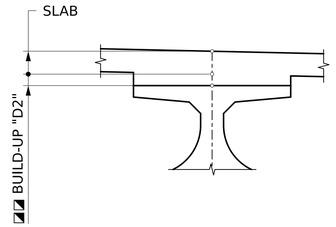
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

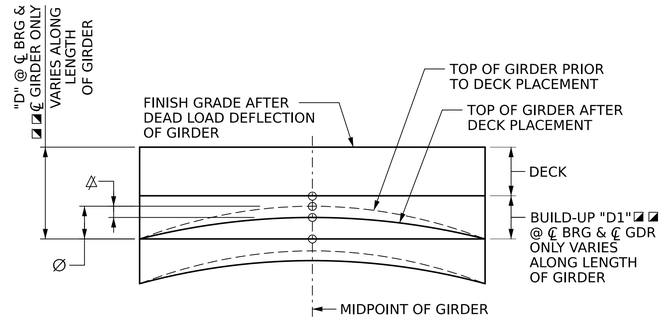
◪◪ PRESTRESSED CONCRETE BEAM SCHEDULE

SPAN NO	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	SHIELDED	NO DRAPED			"BRG 1"	"BRG 2"		END 1	END 2				∅	⧋
1	1 THRU 5	53'-1¾"	FIB 45	17	0	0	I	6800	1'-3½"	1'-1¼"	8500	90°00'00"	90°00'00"	9"	2"	2"	¼"	⅛"
2	1 THRU 5	89'-2½"	FIB 45	38	6	0	II	6800	1'-1¼"	1'-1¼"	8500	90°00'00"	90°00'00"	9"	2"	1½"	2"	⅞"
3	1 THRU 5	89'-2½"	FIB 45	38	6	0	II	6800	1'-1¼"	1'-1¼"	8500	90°00'00"	90°00'00"	9"	2"	1½"	2"	⅞"
4	1 THRU 5	114'-2½"	FIB 54	53	12	0	III	6800	1'-1¼"	1'-1¼"	8500	90°00'00"	90°00'00"	9"	2"	1½"	3⅜"	1½"
5	1 THRU 5	114'-2½"	FIB 54	53	12	0	III	6800	1'-1¼"	1'-1¼"	8500	90°00'00"	90°00'00"	9"	2"	1½"	3⅜"	1½"
6	1	102'-2¾"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°53'15"	89°24'19"	10½"	3½"	1½"	2⅝"	⅞"
	2	102'-1¼"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°53'16"	89°24'18"	10½"	3½"	1½"	2⅝"	1"
	3	101'-11¼"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°53'17"	89°24'17"	10½"	3½"	1½"	2⅝"	1"
	4	101'-10¼"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°53'18"	89°24'16"	10½"	3½"	1½"	2⅝"	1"
	5	101'-8¾"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°53'19"	89°24'14"	10½"	3½"	1½"	2⅝"	⅞"
7	1	105'-6¼"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1"
	2	105'-1⅜"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1⅛"
	3	104'-8½"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1⅛"
	4	104'-3⅝"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2⅝"	1⅛"
	5	103'-10¾"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2⅝"	⅞"
8	1	105'-6¼"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1"
	2	105'-1⅜"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1⅛"
	3	104'-8½"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1⅛"
	4	104'-3⅝"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2⅝"	1⅛"
	5	103'-10¾"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2⅝"	⅞"
9	1	105'-6¼"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1"
	2	105'-1⅜"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1⅛"
	3	104'-8½"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2¾"	1⅛"
	4	104'-3⅝"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2⅝"	1⅛"
	5	103'-10¾"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	88°50'16"	88°50'09"	10½"	3½"	1½"	2⅝"	⅞"
10	1	104'-8½"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°17'05"	89°49'55"	10½"	3½"	1½"	2¾"	1"
	2	104'-6⅝"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°17'04"	89°49'56"	10½"	3½"	1½"	2⅝"	1⅛"
	3	104'-4¾"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°17'02"	89°49'58"	10½"	3½"	1½"	2⅝"	1⅛"
	4	104'-3"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°17'01"	89°49'59"	10½"	3½"	1½"	2⅝"	1⅛"
	5	104'-1⅛"	FIB 54	47	10	0	IV	6800	1'-1¼"	1'-1¼"	8500	89°16'59"	89°50'01"	10½"	3½"	1½"	2⅝"	⅞"
11	1	47'-10⅞"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-1¾"	8500	90°00'00"	75°00'00"	9½"	2"	1½"	¼"	⅛"
	2	45'-0½"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-1¾"	8500	90°34'22"	74°25'38"	9½"	2"	1½"	¼"	⅛"
	3	42'-2⅛"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-1¾"	8500	91°13'18"	73°46'42"	9½"	2"	1½"	¼"	⅛"
	4	39'-4"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-1⅞"	8500	91°57'46"	73°02'14"	9½"	2"	1½"	¼"	⅛"
	5	36'-5⅞"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-1⅞"	8500	92°49'01"	72°10'59"	9½"	2"	1½"	¼"	0"
	6	33'-7¾"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-2"	8500	93°48'43"	71°11'17"	9½"	2"	1½"	⅛"	0"
	7	30'-9⅞"	FIB 45	17	0	0	I	6800	1'-1¼"	1'-2⅛"	8500	94°59'04"	70°00'56"	9½"	2"	1½"	⅛"	0"
	8	28'-0¾"	FIB 45	17	0	0	I	6800	1'-1⅜"	1'-2¼"	8500	96°22'34"	68°37'26"	9½"	2"	1½"	⅛"	0"

Unable to confirm beam lengths with calculation packages provided.



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	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 40 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GIRDER SCHEDULE (1 OF 3)

MRB-S01-BR-11040.dgn
cade.arras
6:30:45 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11041

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

◪◪ PRESTRESSED CONCRETE BEAM SCHEDULE

SPAN NO	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	SHIELDED	NO DRAPED			"BRG 1"	"BRG 2"		END 1	END 2				∅	◬
12	1	101'-8 1/8"	FIB 54	47	10	0	IV	6800	1'-1 3/4"	1'-1 3/4"	8500	105°00'00"	75°00'00"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	2	102'-0 5/8"	FIB 54	47	10	0	IV	6800	1'-1 3/4"	1'-1 3/4"	8500	105°46'06"	74°13'54"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	3	102'-5 3/8"	FIB 54	47	10	0	IV	6800	1'-1 7/8"	1'-1 7/8"	8500	106°31'51"	73°28'09"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	4	102'-10 3/8"	FIB 54	47	10	0	IV	6800	1'-1 7/8"	1'-1 7/8"	8500	107°17'14"	72°42'46"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	5	103'-3 1/2"	FIB 54	47	10	0	IV	6800	1'-1 7/8"	1'-1 7/8"	8500	108°02'16"	71°57'44"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	6	103'-8 7/8"	FIB 54	47	10	0	IV	6800	1'-2"	1'-2"	8500	108°46'54"	71°13'06"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	7	104'-2 1/2"	FIB 54	47	10	0	IV	6800	1'-2"	1'-2"	8500	109°31'09"	70°28'51"	9 1/2"	2"	1 1/2"	2 5/8"	1/8"
	8	104'-8 3/4"	FIB 54	47	10	0	IV	6800	1'-2 1/8"	1'-2 1/8"	8500	110°15'01"	69°44'59"	9 1/2"	2"	1 1/2"	2 3/4"	1/8"
13	1	109'-5 7/8"	FIB 54	47	10	0	IV	6800	1'-1 3/4"	1'-1 1/4"	8500	105°00'00"	90°00'00"	9"	2"	1 1/2"	2 3/4"	1/8"
	2	111'-11 3/4"	FIB 54	47	10	0	IV	6800	1'-1 3/4"	1'-1 1/4"	8500	105°30'59"	89°29'01"	9"	2"	1 1/2"	2 3/4"	1/8"
	3	114'-5 7/8"	FIB 54	53	12	0	III	6800	1'-1 3/4"	1'-1 1/4"	8500	106°00'37"	88°59'23"	9"	2"	1 1/2"	3 3/8"	1/8"
	4	117'-0 1/8"	FIB 54	53	12	0	III	6800	1'-1 7/8"	1'-1 1/4"	8500	106°28'59"	88°31'01"	9"	2"	1 1/2"	3 3/8"	1/8"
	5	119'-6 3/8"	FIB 54	53	12	0	III	6800	1'-1 7/8"	1'-1 1/4"	8500	106°56'10"	88°03'50"	9"	2"	1 1/2"	3 3/8"	1/8"
	6	122'-0 3/4"	FIB 54	59	14	0	V	6800	1'-1 7/8"	1'-1 1/4"	8500	107°22'14"	87°37'46"	9"	2"	1 1/2"	4 1/8"	1/8"
	7	124'-7 1/8"	FIB 54	59	14	0	V	6800	1'-1 7/8"	1'-1 1/4"	8500	107°47'14"	87°12'46"	9"	2"	1 1/2"	4 1/8"	1/8"
	8	127'-1 5/8"	FIB 54	59	14	0	V	6800	1'-2"	1'-1 1/4"	8500	108°11'22"	86°48'38"	9"	2"	1 1/2"	4 1/8"	1/8"
14	1	110'-7 3/4"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	90°00'00"	90°00'00"	9"	2"	1 1/2"	2 3/4"	1/8"
	2	110'-7 3/4"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	90°10'35"	89°49'25"	9"	2"	1 1/2"	2 3/4"	1/8"
	3	110'-7 3/4"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	90°21'11"	89°38'49"	9"	2"	1 1/2"	2 3/4"	1/8"
	4	110'-7 3/4"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	90°31'46"	89°28'14"	9"	2"	1 1/2"	2 3/4"	1/8"
	5	110'-7 7/8"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	90°42'21"	89°17'39"	9"	2"	1 1/2"	2 3/4"	1/8"
	6	110'-7 7/8"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	90°52'56"	89°07'04"	9"	2"	1 1/2"	2 3/4"	1/8"
	7	110'-8"	FIB 54	47	10	0	IV	6800	1'-1 1/4"	1'-3 1/2"	8500	91°03'31"	88°56'29"	9"	2"	1 1/2"	2 3/4"	1/8"

Unable to confirm beam lengths with calculation packages provided.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: C. HAWN DATE:

BRIDGE SHEET NO. 41 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GIRDER SCHEDULE (2 OF 3)

MRB-S01-BR-11041.dgn
cade.arras
6:31:10 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11042

SPAN NO	BEAM NO	REINFORCING STEEL														
		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	1 TO 5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	27	3'-8"	3'-8"	41	90	6	5	9	3
2 AND 3	1 TO 5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	51	3'-8"	3'-8"	77	126	8	9	17	7
4 AND 5	1 TO 5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	67	3'-8"	3'-8"	102	150	8	12	18	13
6	1	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	59	3'-8"	3'-8"	90	142	8	12	18	9
	2	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	59	3'-8"	3'-8"	90	142	8	12	18	9
	3	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	59	3'-8"	3'-8"	90	142	8	12	18	9
	4	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	59	3'-8"	3'-8"	89	142	8	12	18	9
	5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	59	3'-8"	3'-8"	89	142	8	12	18	9
7 THRU 9	1	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	62	3'-8"	3'-8"	93	144	8	12	18	10
	2	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	93	144	8	12	18	10
	3	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	92	144	8	12	18	10
	4	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	92	142	8	12	16	11
	5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	91	142	8	12	16	11
10	1	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	62	3'-8"	3'-8"	93	144	8	12	18	10
	2	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	62	3'-8"	3'-8"	93	144	8	12	18	10
	3	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	92	144	8	12	18	10
	4	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	92	142	8	12	16	11
	5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	61	3'-8"	3'-8"	92	142	8	12	16	11
11	1	1'-5½"	1'-6⅛"	0'-8½"	1'-3"	0'-8¾"	1'-3½"	23	3'-8"	3'-9½"	35	86	7	0	14	0
	2	1'-5½"	1'-6⅛"	0'-8½"	1'-3"	0'-8⅞"	1'-3⅝"	21	3'-8"	3'-9⅝"	33	82	6	0	13	0
	3	1'-5½"	1'-6¼"	0'-8½"	1'-3"	0'-8⅞"	1'-3⅝"	19	3'-8"	3'-9⅞"	30	80	7	0	11	0
	4	1'-5½"	1'-6¼"	0'-8½"	1'-3"	0'-8⅞"	1'-3⅝"	17	3'-8"	3'-10"	27	76	6	0	10	0
	5	1'-5½"	1'-6⅜"	0'-8½"	1'-3"	0'-8⅞"	1'-3¾"	16	3'-8"	3'-10¼"	24	74	6	0	9	0
	6	1'-5½"	1'-6½"	0'-8½"	1'-3"	0'-9"	1'-3⅞"	14	3'-8⅛"	3'-10½"	21	72	7	0	7	0
	7	1'-5⅝"	1'-6⅝"	0'-8½"	1'-3"	0'-9"	1'-4"	12	3'-8⅛"	3'-10⅞"	18	68	6	0	6	0
	8	1'-5⅝"	1'-6¾"	0'-8½"	1'-3⅛"	1'-9⅛"	1'-4⅛"	10	3'-8¼"	3'-11¼"	15	66	7	0	4	0
12	1	1'-6⅛"	1'-6⅛"	0'-8¾"	1'-3½"	0'-8¾"	1'-3½"	59	3'-9½"	3'-9½"	89	142	8	12	18	9
	2	1'-6⅛"	1'-6⅛"	0'-8⅞"	1'-3⅝"	0'-8⅞"	1'-3⅝"	59	3'-9¾"	3'-9¾"	90	142	8	12	18	9
	3	1'-6¼"	1'-6¼"	0'-8⅞"	1'-3⅝"	0'-8⅞"	1'-3⅝"	59	3'-9⅞"	3'-9⅞"	90	142	8	12	18	9
	4	1'-6⅜"	1'-6⅜"	0'-8⅞"	1'-3¾"	0'-8⅞"	1'-3¾"	60	3'-10⅛"	3'-10⅛"	90	144	8	12	20	8
	5	1'-6⅜"	1'-6⅜"	0'-9"	1'-3¾"	0'-9"	1'-3¾"	60	3'-10¼"	3'-10¼"	91	144	8	12	20	8
	6	1'-6½"	1'-6½"	0'-9"	1'-3⅞"	0'-9"	1'-3⅞"	60	3'-10½"	3'-10½"	91	144	8	12	19	9
	7	1'-6⅝"	1'-6⅝"	0'-9"	1'-3⅞"	0'-9"	1'-3⅞"	61	3'-10⅝"	3'-10⅝"	92	144	8	12	19	9
	8	1'-6⅝"	1'-6⅝"	0'-9"	1'-4"	0'-9"	1'-4"	61	3'-10⅞"	3'-10⅞"	92	144	8	12	18	10
13	1	1'-6⅛"	1'-5½"	0'-8¾"	1'-3½"	0'-8½"	1'-3"	64	3'-9½"	3'-8"	97	146	8	12	17	12
	2	1'-6⅛"	1'-5½"	0'-8⅞"	1'-3⅝"	0'-8½"	1'-3"	66	3'-9⅝"	3'-8"	100	148	8	12	17	13
	3	1'-6¼"	1'-5½"	0'-8⅞"	1'-3⅝"	0'-8½"	1'-3"	68	3'-9¾"	3'-8"	102	150	8	12	17	14
	4	1'-6¼"	1'-5½"	0'-8⅞"	1'-3⅝"	0'-8½"	1'-3"	69	3'-9⅞"	3'-8"	105	152	8	12	18	14
	5	1'-6¼"	1'-5½"	0'-8⅞"	1'-3⅝"	0'-8½"	1'-3"	71	3'-10"	3'-8"	107	154	8	12	18	15
	6	1'-6⅜"	1'-5½"	0'-8⅞"	1'-3¾"	0'-8½"	1'-3"	73	3'-10⅛"	3'-8"	110	156	8	12	19	15
	7	1'-6⅜"	1'-5½"	0'-8⅞"	1'-3¾"	0'-8½"	1'-3"	74	3'-10¼"	3'-8"	112	158	8	12	19	16
	8	1'-6⅜"	1'-5½"	0'-9"	1'-3¾"	0'-8½"	1'-3"	76	3'-10¼"	3'-8⅛"	115	160	8	12	20	16
14	1	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13
	2	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13
	3	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13
	4	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13
	5	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13
	6	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13
	7	1'-5½"	1'-5½"	0'-8½"	1'-3"	0'-8½"	1'-3"	65	3'-8"	3'-8"	98	146	8	12	16	13

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: S. SHEA DATE:

BRIDGE SHEET NO. 42 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
GIRDER SCHEDULE (3 OF 3)

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11043

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

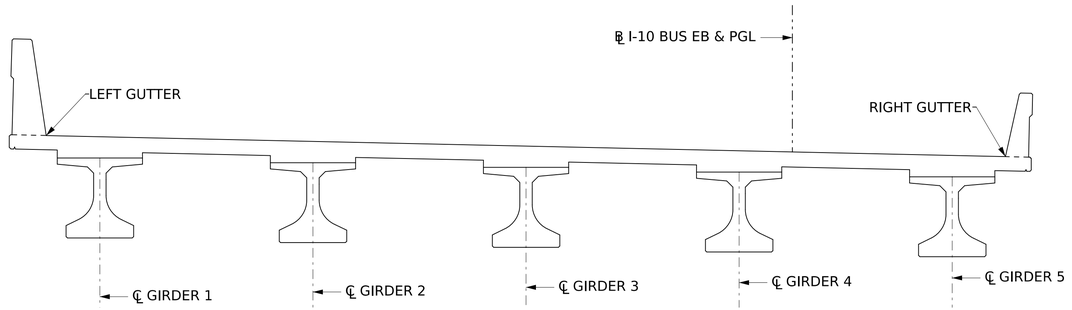
DECK ELEVATION AT TENTH POINT LOCATIONS												
BEAM	SPAN 1											
	**ABUT 1	*ABUT 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 2
LEFT GUTTER	37.864	37.943	38.086	38.227	38.367	38.504	38.640	38.774	38.906	39.036	39.164	39.290
GIRDER 1	37.809	37.887	38.031	38.172	38.311	38.449	38.585	38.718	38.850	38.980	39.108	39.234
GIRDER 2	37.589	37.667	37.811	37.952	38.091	38.229	38.365	38.498	38.630	38.760	38.888	39.014
GIRDER 3	37.369	37.447	37.591	37.732	37.871	38.009	38.145	38.278	38.410	38.540	38.668	38.794
GIRDER 4	37.149	37.227	37.371	37.512	37.651	37.789	37.925	38.058	38.190	38.320	38.448	38.574
BL I-10 BUS EB & PGL	37.094	37.172	37.316	37.457	37.596	37.734	37.870	38.003	38.135	38.265	38.393	38.519
GIRDER 5	36.929	37.007	37.151	37.292	37.431	37.569	37.705	37.838	37.970	38.100	38.228	38.354
RIGHT GUTTER	36.874	36.952	37.096	37.237	37.376	37.514	37.650	37.783	37.915	38.045	38.173	38.299

Consider adding Edge of slab elevations. (Typ.)

DECK ELEVATION AT TENTH POINT LOCATIONS											
BEAM	SPAN 2										
	*BENT 2	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 3
LEFT GUTTER	39.363	39.573	39.777	39.976	40.169	40.356	40.537	40.713	40.884	41.049	41.208
GIRDER 1	39.308	39.518	39.722	39.920	40.113	40.300	40.482	40.658	40.828	40.993	41.152
GIRDER 2	39.088	39.298	39.502	39.700	39.893	40.080	40.262	40.438	40.608	40.773	40.932
GIRDER 3	38.868	39.078	39.282	39.480	39.673	39.860	40.042	40.218	40.388	40.553	40.712
GIRDER 4	38.648	38.858	39.062	39.260	39.453	39.640	39.822	39.998	40.168	40.333	40.492
BL I-10 BUS EB & PGL	38.593	38.803	39.007	39.205	39.398	39.585	39.767	39.943	40.113	40.278	40.437
GIRDER 5	38.428	38.638	38.842	39.040	39.233	39.420	39.602	39.778	39.948	40.113	40.272
RIGHT GUTTER	38.373	38.583	38.787	38.985	39.178	39.365	39.547	39.723	39.893	40.058	40.217

DECK ELEVATION AT TENTH POINT LOCATIONS											
BEAM	SPAN 3										
	*BENT 3	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 4
LEFT GUTTER	41.261	41.413	41.559	41.699	41.834	41.963	42.087	42.205	42.317	42.423	42.524
GIRDER 1	41.206	41.358	41.504	41.644	41.779	41.908	42.031	42.149	42.261	42.368	42.469
GIRDER 2	40.986	41.138	41.284	41.424	41.559	41.688	41.811	41.929	42.041	42.148	42.249
GIRDER 3	40.766	40.918	41.064	41.204	41.339	41.468	41.591	41.709	41.821	41.928	42.029
GIRDER 4	40.546	40.698	40.844	40.984	41.119	41.248	41.371	41.489	41.601	41.708	41.809
BL I-10 BUS EB & PGL	40.491	40.643	40.789	40.929	41.064	41.193	41.316	41.434	41.546	41.653	41.754
GIRDER 5	40.326	40.478	40.624	40.764	40.899	41.028	41.151	41.269	41.381	41.488	41.589
RIGHT GUTTER	40.271	40.423	40.569	40.709	40.844	40.973	41.096	41.214	41.326	41.433	41.534

** AT BACK OF ABUTMENT
* AT ℄ BEARING



SPANS 1 THRU 3
NTS

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: K. VARGHA DATE:

BRIDGE SHEET NO. 43 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
DECK ELEVATIONS (1 OF 5)

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6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11044

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

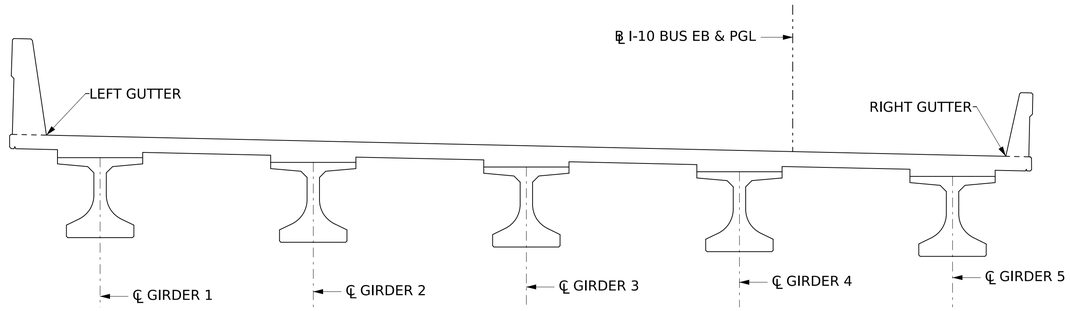
2" 1" 0 SHEET REFERENCE

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																						
BEAM	SPAN 4																					
	*BENT 4	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 5
LEFT GUTTER	42.558	42.619	42.677	42.733	42.787	42.839	42.888	42.935	42.979	43.021	43.061	43.099	43.134	43.167	43.197	43.225	43.251	43.275	43.296	43.315	43.331
GIRDER 1	42.503	42.563	42.622	42.678	42.732	42.783	42.832	42.879	42.924	42.966	43.006	43.043	43.078	43.111	43.142	43.170	43.196	43.219	43.241	43.259	43.276
GIRDER 2	42.283	42.343	42.402	42.458	42.512	42.563	42.612	42.659	42.704	42.746	42.786	42.823	42.858	42.891	42.922	42.950	42.976	42.999	43.021	43.039	43.056
GIRDER 3	42.063	42.123	42.182	42.238	42.292	42.343	42.392	42.439	42.484	42.526	42.566	42.603	42.638	42.671	42.702	42.730	42.756	42.779	42.801	42.819	42.836
GIRDER 4	41.843	41.903	41.962	42.018	42.072	42.123	42.172	42.219	42.264	42.306	42.346	42.383	42.418	42.451	42.482	42.510	42.536	42.559	42.581	42.599	42.616
BL I-10 BUS EB & PGL	41.788	41.848	41.907	41.963	42.017	42.068	42.117	42.164	42.209	42.251	42.291	42.328	42.363	42.396	42.427	42.455	42.481	42.504	42.526	42.544	42.561
GIRDER 5	41.623	41.683	41.742	41.798	41.852	41.903	41.952	41.999	42.044	42.086	42.126	42.163	42.198	42.231	42.262	42.290	42.316	42.339	42.361	42.379	42.396
RIGHT GUTTER	41.568	41.628	41.687	41.743	41.797	41.848	41.897	41.944	41.989	42.031	42.071	42.108	42.143	42.176	42.207	42.235	42.261	42.284	42.306	42.324	42.341

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																						
BEAM	SPAN 5																					
	*BENT 5	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 6
LEFT GUTTER	43.339	43.352	43.363	43.371	43.377	43.381	43.382	43.381	43.378	43.372	43.364	43.354	43.341	43.326	43.309	43.289	43.267	43.243	43.216	43.188	43.160
GIRDER 1	43.284	43.297	43.307	43.316	43.322	43.325	43.327	43.326	43.322	43.317	43.309	43.298	43.286	43.271	43.253	43.234	43.212	43.187	43.161	43.133	43.105
GIRDER 2	43.064	43.077	43.087	43.096	43.102	43.105	43.107	43.106	43.102	43.097	43.089	43.078	43.066	43.051	43.033	43.014	42.992	42.967	42.941	42.913	42.885
GIRDER 3	42.844	42.857	42.867	42.876	42.882	42.885	42.887	42.886	42.882	42.877	42.869	42.858	42.846	42.831	42.813	42.794	42.772	42.747	42.721	42.693	42.665
GIRDER 4	42.624	42.637	42.647	42.656	42.662	42.665	42.667	42.666	42.662	42.657	42.649	42.638	42.626	42.611	42.593	42.574	42.552	42.527	42.501	42.473	42.445
BL I-10 BUS EB & PGL	42.569	42.582	42.592	42.601	42.607	42.610	42.612	42.611	42.607	42.602	42.594	42.583	42.571	42.556	42.538	42.519	42.497	42.472	42.446	42.418	42.390
GIRDER 5	42.404	42.417	42.427	42.436	42.442	42.445	42.447	42.446	42.442	42.437	42.429	42.418	42.406	42.391	42.373	42.354	42.332	42.307	42.281	42.253	42.225
RIGHT GUTTER	42.349	42.362	42.372	42.381	42.387	42.390	42.392	42.391	42.387	42.382	42.374	42.363	42.351	42.336	42.318	42.299	42.277	42.252	42.226	42.198	42.170

DECK ELEVATION AT TENTH POINT LOCATIONS											
BEAM	SPAN 6										
	*BENT 6	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 7
LEFT GUTTER	43.145	43.138	43.176	43.214	43.251	43.289	43.327	43.365	43.402	43.398	43.349
GIRDER 1	43.090	43.079	43.110	43.141	43.172	43.202	43.232	43.263	43.294	43.288	43.242
GIRDER 2	42.870	42.847	42.853	42.859	42.864	42.870	42.875	42.881	42.887	42.869	42.823
GIRDER 3	42.650	42.615	42.596	42.577	42.557	42.538	42.518	42.499	42.480	42.449	42.403
GIRDER 4	42.430	42.383	42.339	42.295	42.251	42.206	42.162	41.937	41.881	41.827	41.774
BL I-10 BUS EB & PGL	42.375	42.325	42.276	42.226	42.176	42.127	42.077	42.027	41.978	41.928	41.878
GIRDER 5	42.210	42.151	42.082	42.013	41.944	41.875	41.806	41.736	41.668	41.609	41.563
RIGHT GUTTER	42.155	42.093	42.019	41.944	41.870	41.795	41.721	41.646	41.572	41.508	41.458

* AT ℄ BEARING



SPANS 4 THRU 6
NTS

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: K. VARGHA DATE:
BRIDGE SHEET NO. 44 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
DECK ELEVATIONS (2 OF 5)

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REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11045

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

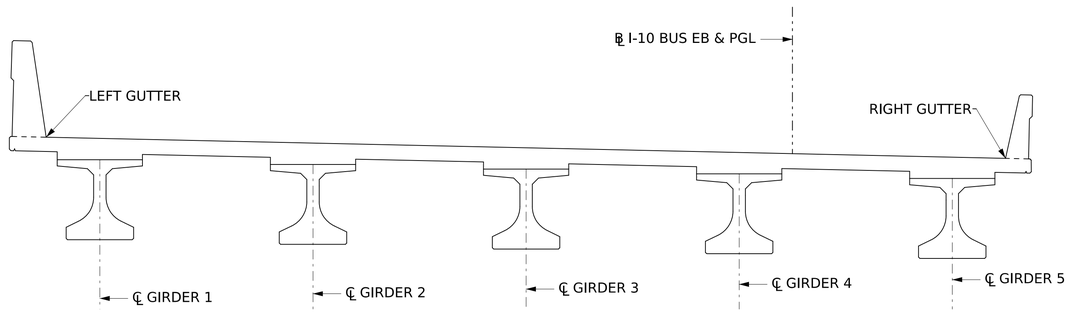
2" 1" 0 SHEET REFERENCE

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																					
BEAM	SPAN 7																				
	*BENT 7	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 8
LEFT GUTTER	43.334	43.309	43.283	43.258	43.232	43.207	43.182	43.156	43.131	43.105	43.080	43.054	43.029	43.004	42.978	42.953	42.927	42.902	42.876	42.851	42.825
GIRDER 1	43.227	43.197	43.168	43.140	43.112	43.084	43.056	43.029	43.003	42.977	42.951	42.926	42.901	42.877	42.853	42.829	42.806	42.784	42.761	42.740	42.718
GIRDER 2	42.807	42.778	42.749	42.720	42.692	42.664	42.637	42.610	42.583	42.557	42.532	42.506	42.482	42.457	42.433	42.410	42.387	42.364	42.342	42.320	42.299
GIRDER 3	42.387	42.358	42.329	42.300	42.272	42.244	42.217	42.190	42.163	42.137	42.112	42.086	42.062	42.037	42.013	41.990	41.967	41.944	41.922	41.900	41.879
GIRDER 4	41.967	41.938	41.909	41.880	41.852	41.824	41.797	41.770	41.743	41.717	41.692	41.666	41.642	41.617	41.593	41.570	41.547	41.524	41.502	41.480	41.458
BL I-10 BUS EB & PGL	41.863	41.838	41.812	41.787	41.762	41.736	41.711	41.685	41.660	41.634	41.609	41.583	41.558	41.533	41.507	41.482	41.456	41.431	41.405	41.380	41.355
GIRDER 5	41.547	41.518	41.489	41.460	41.432	41.404	41.377	41.350	41.323	41.297	41.272	41.246	41.222	41.197	41.173	41.150	41.127	41.104	41.082	41.060	41.038
RIGHT GUTTER	41.443	41.418	41.392	41.367	41.342	41.316	41.291	41.265	41.240	41.214	41.189	41.163	41.138	41.113	41.087	41.062	41.036	41.011	40.985	40.960	40.935

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																					
BEAM	SPAN 8																				
	*BENT 8	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 9
LEFT GUTTER	42.811	42.785	42.760	42.734	42.709	42.683	42.658	42.632	42.607	42.582	42.556	42.531	42.505	42.480	42.454	42.429	42.404	42.378	42.353	42.327	42.302
GIRDER 1	42.703	42.674	42.645	42.616	42.588	42.560	42.533	42.506	42.479	42.453	42.428	42.402	42.378	42.353	42.329	42.306	42.283	42.260	42.238	42.216	42.195
GIRDER 2	42.284	42.254	42.225	42.196	42.168	42.140	42.113	42.086	42.060	42.034	42.008	41.983	41.958	41.934	41.910	41.886	41.863	41.840	41.818	41.796	41.775
GIRDER 3	41.864	41.834	41.805	41.776	41.748	41.720	41.693	41.666	41.640	41.614	41.588	41.563	41.538	41.514	41.490	41.466	41.443	41.420	41.398	41.376	41.355
GIRDER 4	41.443	41.414	41.385	41.356	41.328	41.300	41.273	41.246	41.220	41.194	41.168	41.143	41.118	41.094	41.070	41.046	41.023	41.000	40.978	40.956	40.935
BL I-10 BUS EB & PGL	41.340	41.314	41.289	41.263	41.238	41.212	41.187	41.162	41.136	41.111	41.085	41.060	41.034	41.009	40.984	40.958	40.933	40.907	40.882	40.856	40.831
GIRDER 5	41.023	40.994	40.965	40.936	40.908	40.880	40.853	40.826	40.800	40.774	40.748	40.723	40.698	40.674	40.650	40.626	40.603	40.580	40.558	40.536	40.515
RIGHT GUTTER	40.920	40.894	40.869	40.843	40.818	40.792	40.767	40.742	40.716	40.691	40.665	40.640	40.614	40.589	40.564	40.538	40.513	40.487	40.462	40.436	40.411

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																					
BEAM	SPAN 9																				
	*BENT 9	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 10
LEFT GUTTER	42.287	42.261	42.236	42.211	42.185	42.160	42.134	42.109	42.083	42.058	42.033	42.007	41.982	41.956	41.931	41.905	41.880	41.855	41.829	41.804	41.778
GIRDER 1	42.180	42.150	42.121	42.093	42.064	42.037	42.009	41.982	41.956	41.930	41.904	41.879	41.854	41.830	41.806	41.782	41.759	41.736	41.714	41.692	41.671
GIRDER 2	41.760	41.731	41.701	41.673	41.645	41.617	41.589	41.563	41.536	41.510	41.484	41.459	41.434	41.410	41.386	41.362	41.339	41.317	41.295	41.273	41.251
GIRDER 3	41.340	41.310	41.281	41.253	41.225	41.197	41.169	41.143	41.116	41.090	41.064	41.039	41.014	40.990	40.966	40.942	40.919	40.897	40.874	40.853	40.831
GIRDER 4	40.920	40.890	40.861	40.833	40.805	40.777	40.749	40.723	40.696	40.670	40.644	40.619	40.594	40.570	40.546	40.522	40.499	40.477	40.454	40.433	40.411
BL I-10 BUS EB & PGL	40.816	40.791	40.765	40.740	40.714	40.689	40.663	40.638	40.613	40.587	40.562	40.536	40.511	40.485	40.460	40.434	40.409	40.384	40.358	40.333	40.307
GIRDER 5	40.500	40.470	40.441	40.413	40.385	40.357	40.329	40.303	40.276	40.250	40.224	40.199	40.174	40.150	40.126	40.102	40.079	40.057	40.034	40.012	39.991
RIGHT GUTTER	40.396	40.371	40.345	40.320	40.294	40.269	40.243	40.218	40.193	40.167	40.142	40.116	40.091	40.065	40.040	40.014	39.989	39.964	39.938	39.913	39.887

* AT ℄ BEARING



SPANS 7 THRU 9
NTS

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: K. VARGHA DATE:

BRIDGE SHEET NO. 45 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
DECK ELEVATIONS (3 OF 5)

MRB-S01-BR-11045.dgn
cade.arras
6:32:31 PM
6/11/2025

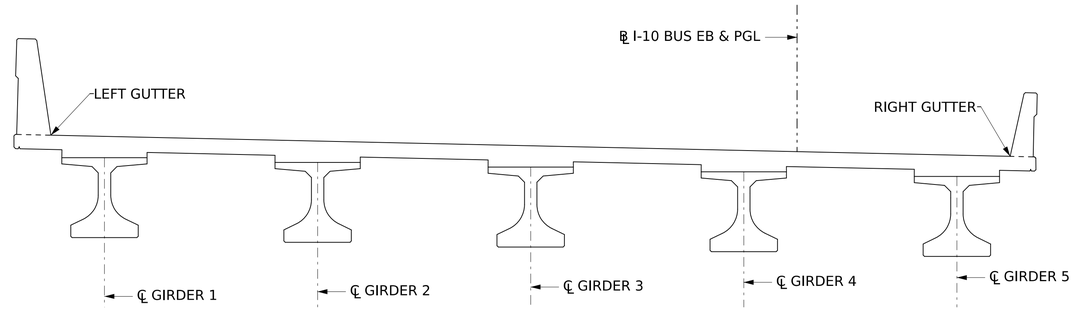
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11046

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																						
BEAM	SPAN 10																					
	*BENT 10	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 11
LEFT GUTTER	41.763	41.738	41.713	41.688	41.662	41.613	41.543	41.474	41.404	41.334	41.263	41.193	41.122	41.052	40.981	40.911	40.840	40.770	40.699	40.629	40.558
GIRDER 1	41.657	41.629	41.602	41.575	41.549	41.500	41.434	41.368	41.302	41.236	41.169	41.103	41.036	40.970	40.903	40.836	40.770	40.703	40.636	40.569	40.503
GIRDER 2	41.237	41.209	41.182	41.155	41.129	41.087	41.033	40.980	40.926	40.873	40.819	40.766	40.712	40.658	40.605	40.551	40.497	40.443	40.389	40.335	40.281
GIRDER 3	40.817	40.789	40.762	40.735	40.708	40.673	40.632	40.591	40.551	40.510	40.504	40.429	40.388	40.347	40.306	40.265	40.224	40.183	40.142	40.101	40.060
GIRDER 4	40.397	40.369	40.342	40.315	40.288	40.260	40.232	40.204	40.176	40.148	40.120	40.092	40.064	40.036	40.008	39.980	39.952	39.924	39.895	39.867	39.839
BL I-10 BUS EB & PGL	40.292	40.265	40.238	40.210	40.183	40.156	40.128	40.101	40.077	40.052	40.028	40.003	39.979	39.955	39.930	39.906	39.881	39.857	39.833	39.808	39.784
GIRDER 5	39.977	39.949	39.921	39.894	39.868	39.848	39.832	39.816	39.801	39.786	39.771	39.756	39.741	39.725	39.710	39.695	39.679	39.664	39.649	39.633	39.618
RIGHT GUTTER	39.822	39.796	39.771	39.745	39.720	39.703	39.692	39.680	39.669	39.658	39.647	39.636	39.625	39.614	39.602	39.591	39.580	39.569	39.558	39.547	39.536

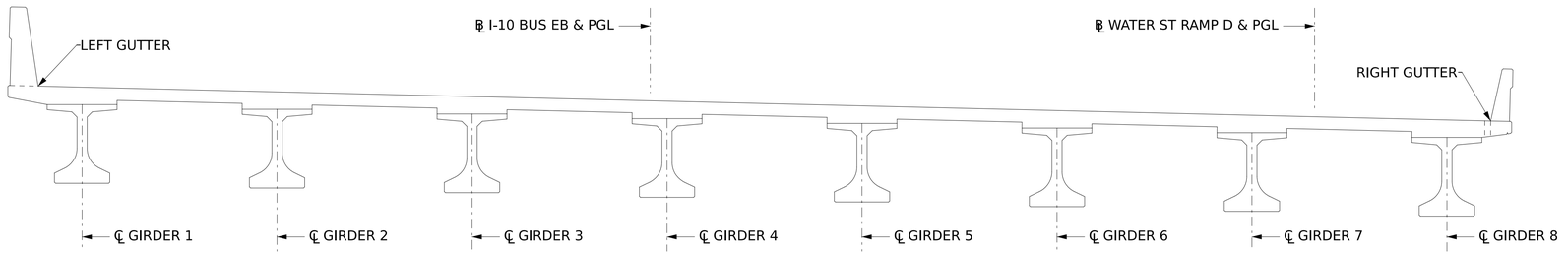
DECK ELEVATION AT TENTH POINT LOCATIONS											
BEAM	SPAN 11										
	*BENT 11	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	*BENT 12
LEFT GUTTER	40.539	40.516	40.493	40.470	40.447	40.423	40.397	40.370	40.340	40.309	40.276
GIRDER 1	40.484	40.461	40.438	40.415	40.393	40.369	40.344	40.317	40.288	40.258	40.226
GIRDER 2	40.239	40.218	40.198	40.178	40.157	40.137	40.115	40.091	40.066	40.039	40.011
GIRDER 3	39.994	39.976	39.958	39.940	39.922	39.904	39.885	39.864	39.843	39.819	39.795
BL I-10 BUS EB & PGL	39.769	39.750	39.732	39.713	39.695	39.677	39.658	39.638	39.617	39.594	39.571
GIRDER 4	39.749	39.733	39.718	39.702	39.686	39.671	39.655	39.637	39.619	39.599	39.578
GIRDER 5	39.503	39.495	39.485	39.474	39.462	39.450	39.436	39.421	39.406	39.389	39.371
GIRDER 6	39.258	39.255	39.248	39.239	39.231	39.221	39.210	39.199	39.186	39.173	39.159
GIRDER 7	39.012	39.015	39.010	39.005	38.998	38.991	38.983	38.975	38.966	38.956	38.946
BL WATER ST RAMP D	38.933	38.940	38.937	38.933	38.928	38.923	38.917	38.911	38.903	38.895	38.887
GIRDER 8	38.765	38.772	38.773	38.769	38.766	38.761	38.756	38.751	38.745	38.738	38.731
RIGHT GUTTER	38.709	38.717	38.719	38.716	38.712	38.708	38.703	38.698	38.692	38.686	38.679



SPAN 10
NTS

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																						
BEAM	SPAN 12																					
	*BENT 12	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 13
LEFT GUTTER	40.253	40.214	40.173	40.130	40.085	40.037	39.988	39.936	39.883	39.827	39.769	39.709	39.647	39.582	39.516	39.447	39.377	39.304	39.229	39.152	39.072
GIRDER 1	40.203	40.164	40.123	40.081	40.036	39.989	39.939	39.888	39.835	39.779	39.721	39.662	39.600	39.536	39.470	39.401	39.331	39.258	39.184	39.107	39.028
GIRDER 2	39.989	39.953	39.915	39.875	39.832	39.788	39.741	39.692	39.641	39.588	39.533	39.475	39.416	39.354	39.290	39.224	39.156	39.086	39.014	38.939	38.863
GIRDER 3	39.775	39.741	39.706	39.668	39.628	39.586	39.542	39.496	39.447	39.396	39.344	39.289	39.231	39.172	39.111	39.047	38.981	38.913	38.843	38.771	38.697
GIRDER 4	39.560	39.529	39.496	39.461	39.424	39.384	39.342	39.298	39.252	39.204	39.154	39.101	39.046	38.989	38.930	38.869	38.806	38.740	38.672	38.602	38.530
BL I-10 BUS EB & PGL	39.550	39.515	39.478	39.439	39.398	39.355	39.309	39.262	39.212	39.160	39.106	39.050	38.992	38.931	38.869	38.804	38.738	38.669	38.598	38.525	38.450
GIRDER 5	39.354	39.325	39.294	39.261	39.226	39.188	39.149	39.107	39.063	39.016	38.968	38.917	38.865	38.810	38.753	38.693	38.632	38.568	38.502	38.434	38.364
GIRDER 6	39.144	39.118	39.090	39.060	39.027	38.992	38.956	38.916	38.875	38.831	38.786	38.738	38.688	38.635	38.581	38.524	38.465	38.403	38.340	38.274	38.207
GIRDER 7	38.933	38.910	38.885	38.857	38.827	38.796	38.761	38.725	38.686	38.646	38.603	38.557	38.510	38.460	38.408	38.353	38.297	38.238	38.177	38.114	38.048
BL WATER ST RAMP D	38.875	38.856	38.834	38.809	38.783	38.753	38.721	38.687	38.651	38.612	38.570	38.526	38.480	38.431	38.380	38.326	38.270	38.211	38.150	38.087	38.021
GIRDER 8	38.720	38.700	38.678	38.653	38.627	38.598	38.566	38.533	38.497	38.459	38.418	38.376	38.331	38.284	38.234	38.182	38.128	38.072	38.013	37.953	37.889
RIGHT GUTTER	38.669	38.651	38.631	38.608	38.583	38.555	38.525	38.493	38.458	38.420	38.380	38.338	38.293	38.246	38.196	38.144	38.089	38.032	37.973	37.911	37.846

* AT ℄ BEARING



SPANS 11 & 12
NTS

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: K. VARGHA DATE:

BRIDGE SHEET NO. 46 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
DECK ELEVATIONS (4 OF 5)

MRB-S01-BR-11046.dgn
cade.arras
6:32:49 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11047

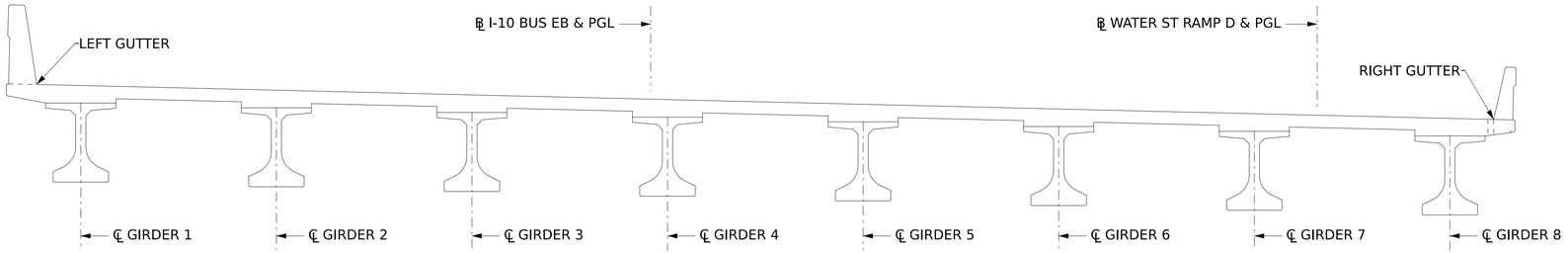
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

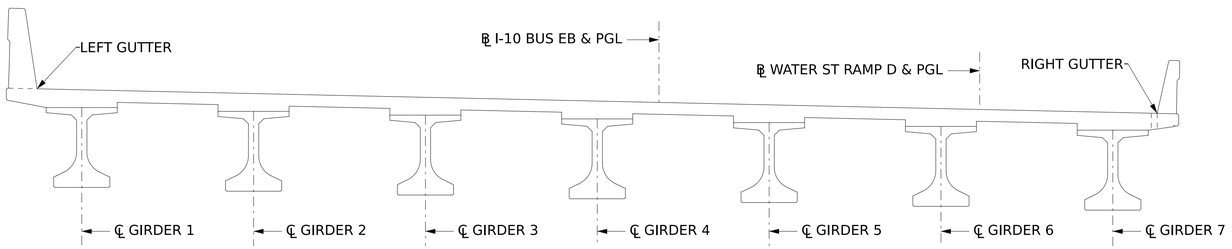
DECK ELEVATION AT TWENTIETH POINT LOCATIONS																							
BEAM	SPAN 13																						
	*BENT 13	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	*BENT 14
LEFT GUTTER	39.022	38.933	38.842	38.749	38.653	38.554	38.453	38.350	38.244	38.136	38.025	37.912	37.797	37.679	37.558	37.435	37.310	37.182	37.052	36.919	36.784
GIRDER 1	38.978	38.889	38.797	38.703	38.607	38.508	38.407	38.303	38.197	38.088	37.977	37.863	37.747	37.628	37.507	37.384	37.258	37.129	36.998	36.865	36.729
GIRDER 2	38.814	38.725	38.633	38.539	38.443	38.344	38.242	38.138	38.031	37.921	37.809	37.695	37.577	37.458	37.335	37.210	37.082	36.952	36.820	36.684	36.546
GIRDER 3	38.649	38.560	38.469	38.375	38.278	38.179	38.077	37.972	37.865	37.754	37.642	37.526	37.408	37.287	37.163	37.036	36.907	36.775	36.641	36.503	36.363
GIRDER 4	38.484	38.396	38.304	38.210	38.114	38.014	37.912	37.806	37.698	37.587	37.474	37.357	37.238	37.115	36.990	36.863	36.732	36.598	36.462	36.323	36.181
BL I-10 BUS EB & PGL	38.402	38.316	38.215	38.117	38.017	37.913	37.807	37.697	37.585	37.470	37.352	37.231	37.108	36.981	36.852	36.719	36.584	36.446	36.305	36.161	36.014
GIRDER 5	38.319	38.230	38.139	38.045	37.948	37.848	37.745	37.639	37.530	37.418	37.304	37.186	37.066	36.942	36.815	36.686	36.553	36.418	36.279	36.138	35.994
GIRDER 6	38.162	38.075	37.984	37.890	37.792	37.692	37.589	37.483	37.373	37.261	37.145	37.026	36.904	36.780	36.652	36.520	36.386	36.249	36.109	35.965	35.819
GIRDER 7	38.005	37.918	37.827	37.734	37.637	37.536	37.433	37.326	37.216	37.103	36.986	36.867	36.744	36.617	36.488	36.355	36.219	36.080	35.938	35.792	35.644
BL WATER ST RAMP D	37.978	37.894	37.807	37.715	37.621	37.523	37.421	37.316	37.207	37.095	36.979	36.859	36.737	36.610	36.480	36.347	36.210	36.070	35.926	35.778	35.627
GIRDER 8	37.848	37.761	37.671	37.577	37.480	37.380	37.276	37.169	37.059	36.945	36.827	36.707	36.583	36.455	36.324	36.190	36.053	35.912	35.767	35.620	35.469
RIGHT GUTTER LINE	37.805	37.721	37.633	37.541	37.446	37.346	37.244	37.137	37.027	36.913	36.796	36.674	36.549	36.421	36.288	36.152	36.012	35.869	35.722	35.571	35.416

DECK ELEVATION AT TWENTIETH POINT LOCATIONS																								
BEAM	SPAN 14																							
	*BENT 14	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	*ABUT 15	**ABUT 15
LEFT GUTTER LINE	36.707	36.566	36.423	36.276	36.128	35.977	35.823	35.667	35.508	35.347	35.183	35.017	34.848	34.677	34.503	34.326	34.148	33.966	33.782	33.596	33.407	33.310
GIRDER 1	36.652	36.511	36.367	36.221	36.072	35.921	35.768	35.611	35.453	35.291	35.128	34.961	34.792	34.621	34.447	34.271	34.092	33.911	33.727	33.540	33.351	33.254
GIRDER 2	36.439	36.298	36.155	36.009	35.861	35.710	35.557	35.401	35.243	35.082	34.918	34.753	34.584	34.413	34.240	34.064	33.885	33.704	33.521	33.335	33.146	33.049
GIRDER 3	36.226	36.086	35.943	35.798	35.650	35.499	35.346	35.191	35.033	34.872	34.709	34.544	34.376	34.205	34.032	33.856	33.678	33.498	33.314	33.129	32.941	32.844
GIRDER 4	36.013	35.873	35.731	35.586	35.438	35.288	35.136	34.981	34.823	34.663	34.500	34.335	34.167	33.997	33.824	33.649	33.471	33.291	33.108	32.923	32.735	32.639
BL I-10 BUS EB & PGL	35.937	35.796	35.652	35.506	35.357	35.206	35.053	34.896	34.738	34.576	34.413	34.246	34.077	33.906	33.732	33.556	33.377	33.196	33.012	32.825	32.636	32.539
GIRDER 5	35.802	35.662	35.520	35.375	35.228	35.078	34.925	34.770	34.613	34.453	34.290	34.125	33.958	33.788	33.615	33.440	33.263	33.083	32.900	32.715	32.528	32.431
GIRDER 6	35.598	35.458	35.316	35.171	35.024	34.874	34.721	34.566	34.409	34.249	34.087	33.922	33.754	33.584	33.411	33.236	33.058	32.878	32.696	32.510	32.322	32.226
BL WATER ST RAMP D	35.552	35.415	35.275	35.132	34.986	34.837	34.686	34.532	34.376	34.216	34.054	33.889	33.722	33.552	33.379	33.203	33.024	32.843	32.659	32.472	32.283	32.186
GIRDER 7	35.393	35.254	35.112	34.967	34.820	34.670	34.518	34.363	34.206	34.046	33.883	33.718	33.550	33.380	33.207	33.032	32.854	32.674	32.491	32.306	32.118	32.021
RIGHT GUTTER LINE	35.341	35.204	35.063	34.920	34.774	34.625	34.473	34.319	34.162	34.002	33.840	33.675	33.507	33.336	33.162	32.986	32.807	32.625	32.441	32.254	32.064	31.966

** AT BACK OF ABUTMENT
* AT ℄ BEARING



SPAN 13
NTS



SPAN 14
NTS

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: K. VARGHA DATE:

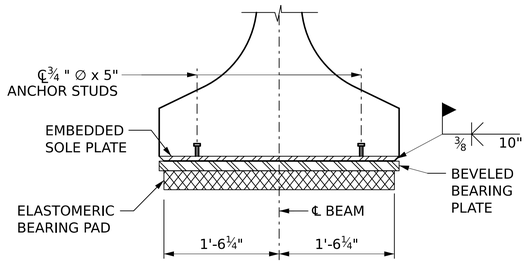
BRIDGE SHEET NO. 47 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
DECK ELEVATIONS (5 OF 5)

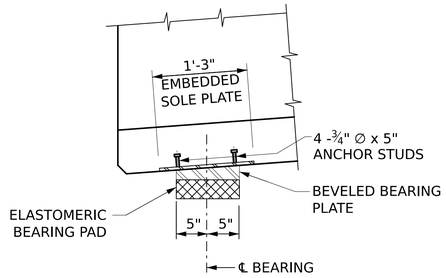
MRB-S01-BR-11047.dgn
cade.arras
6:33:18 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11048

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

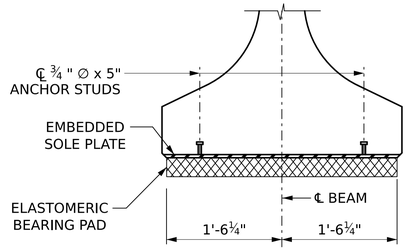


BEAM END
SCALE: 1" = 1'-0"

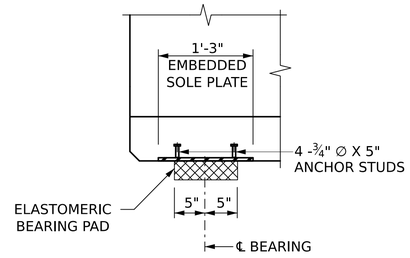


SIDE VIEW OF BEAM
SCALE: 1" = 1'-0"

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.

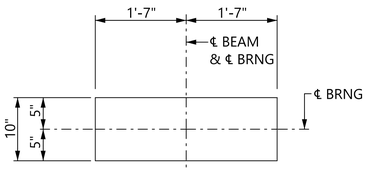
2. FOR TI AND T2 VALUES, SEE JOINT LAYOUT SHEET.

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.

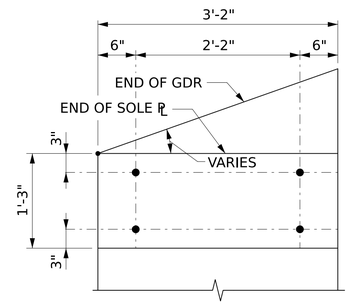


PLAN

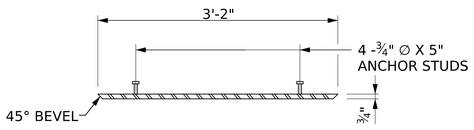
ELEVATION - SIDE VIEW

BEVELED BEARING PLATE DETAILS

NTS

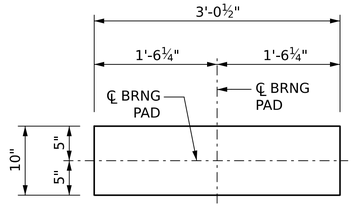


PLAN

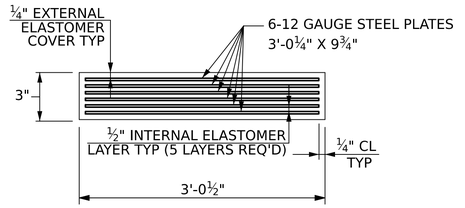


EMBEDDED SOLE PLATE DETAILS

NTS



PLAN



ELEVATION

ELASTOMERIC BEARING PAD DETAILS

NTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	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)
021828

COUNTY(S)
MOBILE

DESIGNER: S. SHEA DATE:

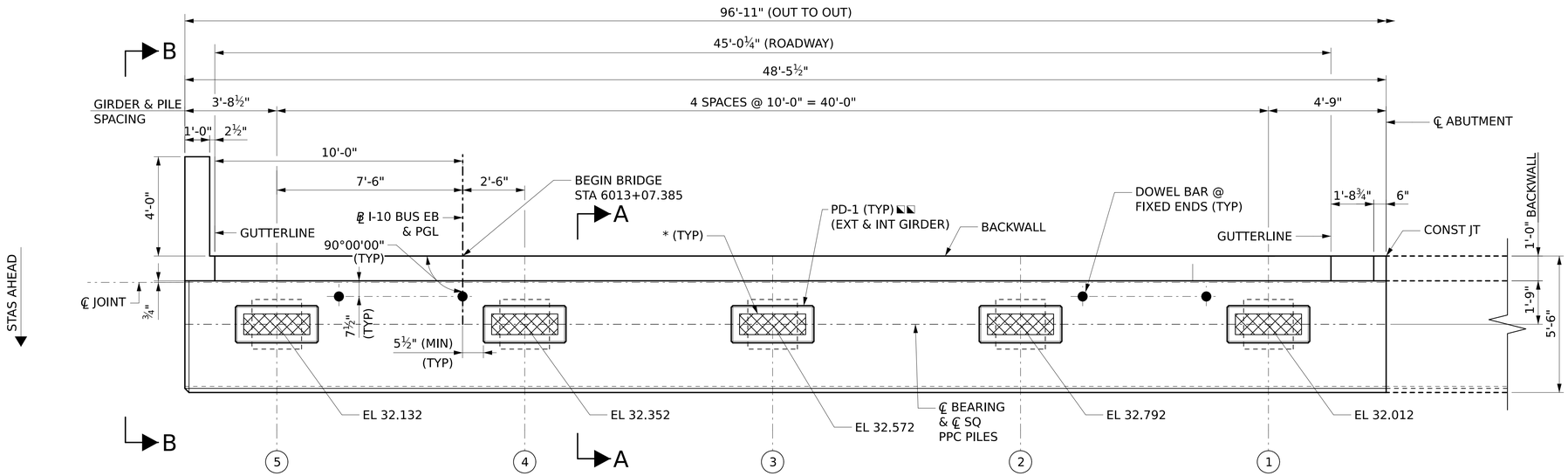
BRIDGE SHEET NO. 48 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BEARING DETAILS

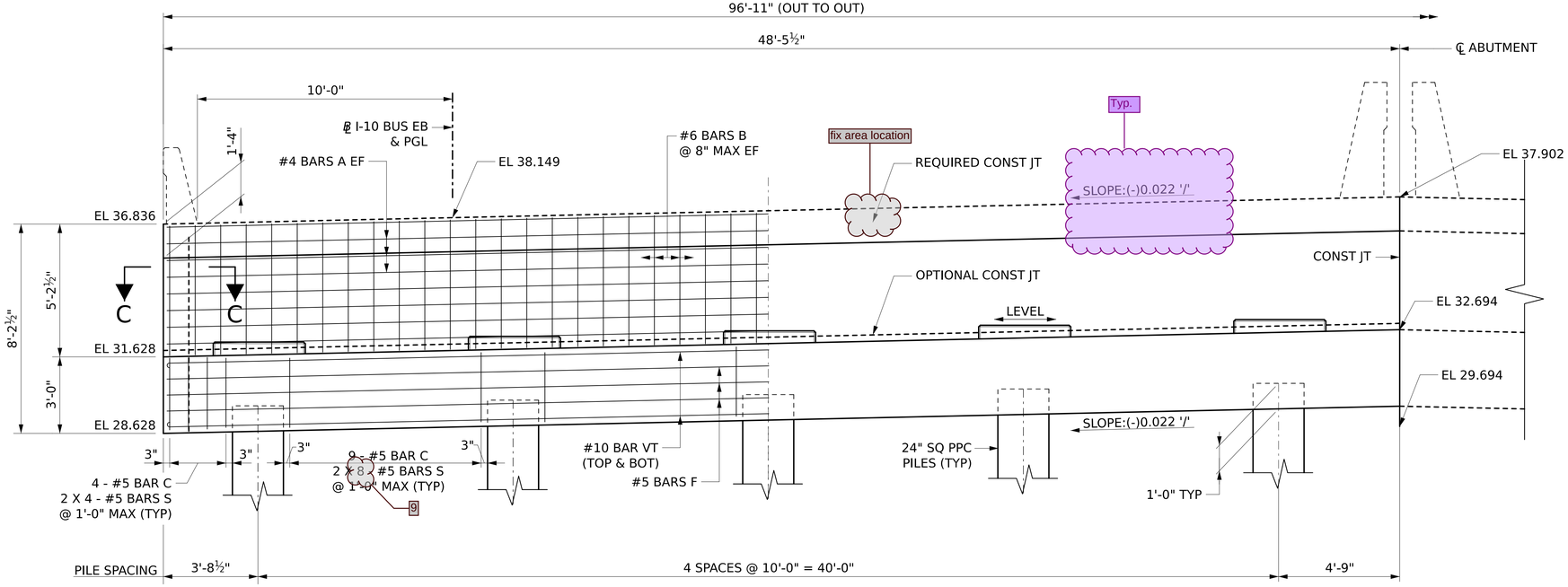
MRB-S01-BR-11048.dgn
cade.arras
6:33:36 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11049

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN
SCALE: ⅜" = 1'-0"



ELEVATION
SCALE: ⅜" = 1'-0"
(LOOKING DOWNSTATION)

NOTES:

* 1. TYPE 2 ELASTOMERIC BEARING PADS,SEE BEARING DETAILS.

◥◤ 2. FOR PEDESTAL DETAILS, SEE PEDESTAL DETAILS SHEET.

3. FABRICATE ALL BARS TYPE B TO THE SAME LENGTH. MAINTAIN 2" CONCRETE COVER AT TOP OF BARS. CUT BARS B AS REQUIRED 2" CL OVER TOP OF PILES.

4. FOR SECTIONS A-A, B-B, & C-C, SEE ABUTMENT 1 DETAILS SHEET.

5. FOR PILE NUMBER AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLES SHEET.

6. FOR PILE TIP, SEE PILE DATA TABLES SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: J. OSIBODU DATE:

BRIDGE SHEET NO. 49 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
ABUTMENT 1

MRB-S01-BR-11049.dgn
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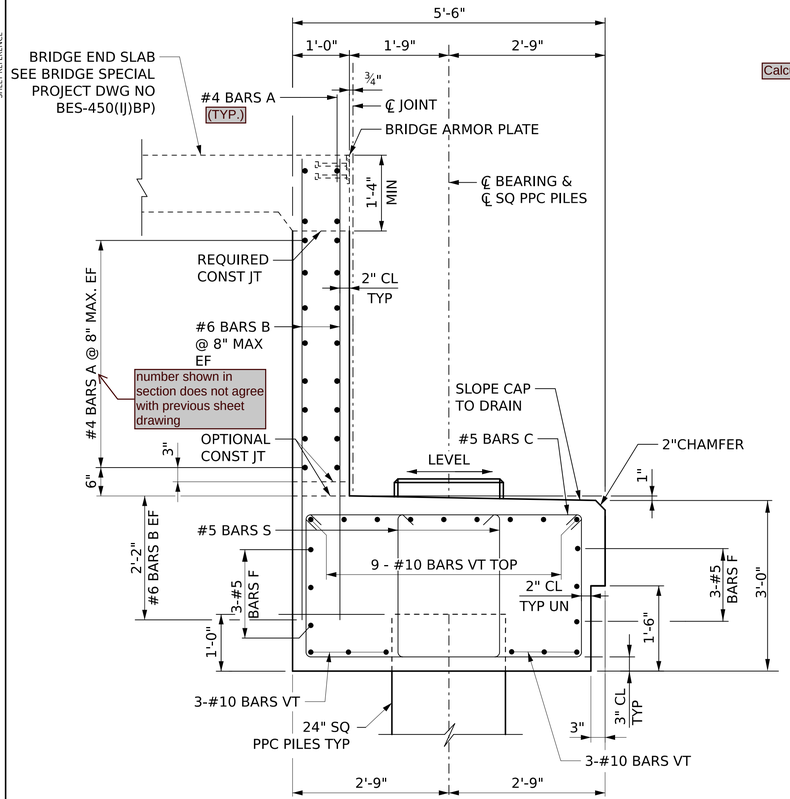
6:33:54 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11050

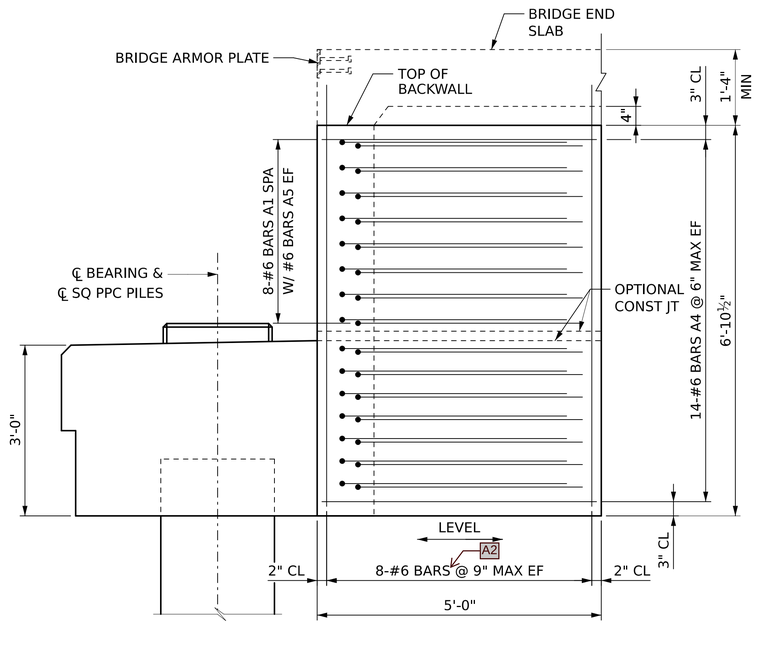
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

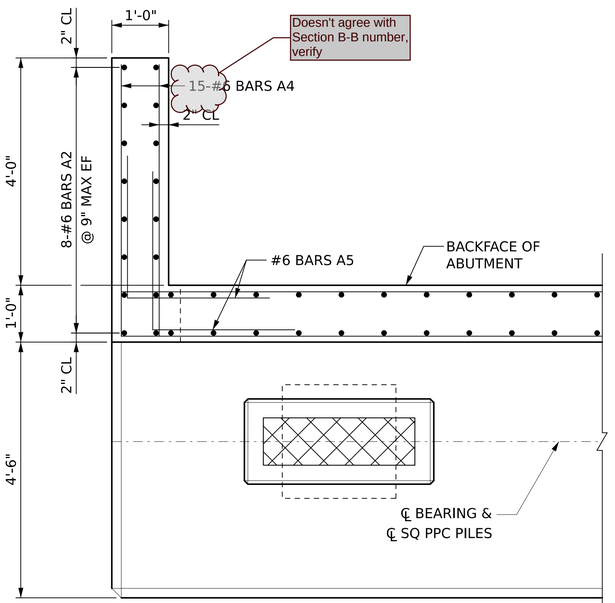


SECTION A-A
SCALE:¾" = 1'-0"

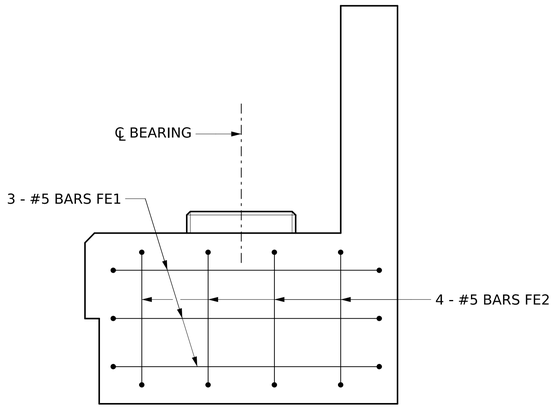
Calculation indicate tie-straps to be used on abutment; not shown in plans.



SECTION B-B
SCALE:¾" = 1'-0"



SECTION C-C
SCALE:¾" = 1'-0"



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

NOTES:

1. FOR PEDESTAL REINFORCEMENT DETAILS, SEE PEDESTAL DETAILS SHEET.
2. FOR BILL OF REINFORCEMENT, SEE ABUTMENT BILL OF REINFORCEMENT SHEET.
3. FOR PILE TO CAP CONNECTION DETAILS, SEE PILE HEAD ATTACHMENT DETAIL ON MISCELLANEOUS BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: J. OSIBODU DATE:

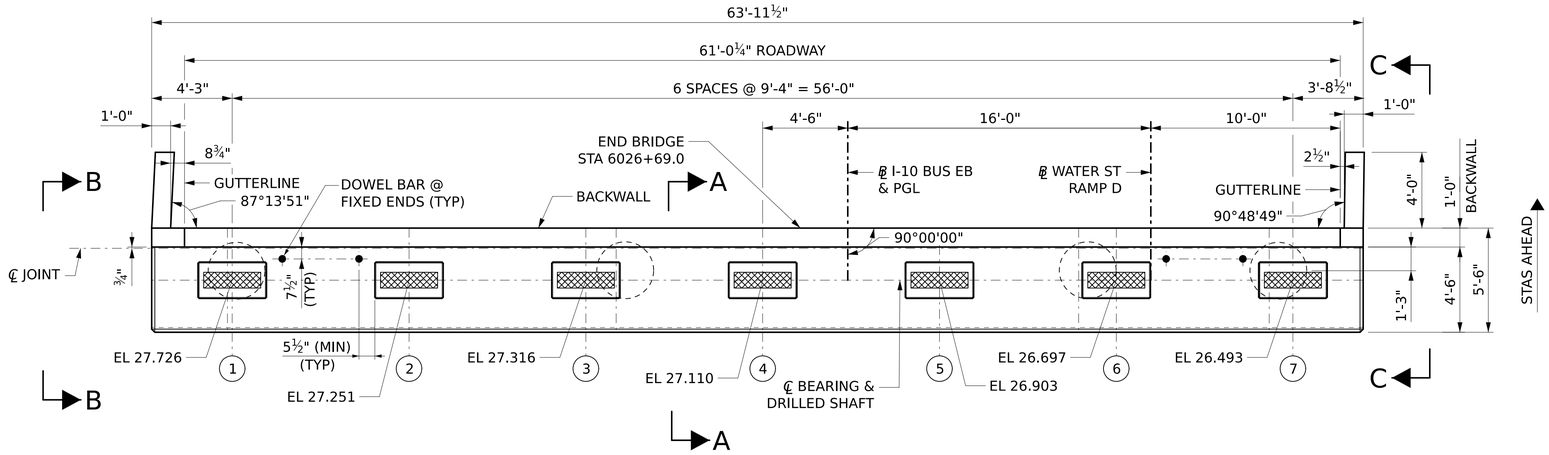
BRIDGE SHEET NO. 50 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
ABUTMENT 1 DETAILS

MRB-S01-BR-11050.dgn
cade.arras
6:34:18 PM
6/11/2025

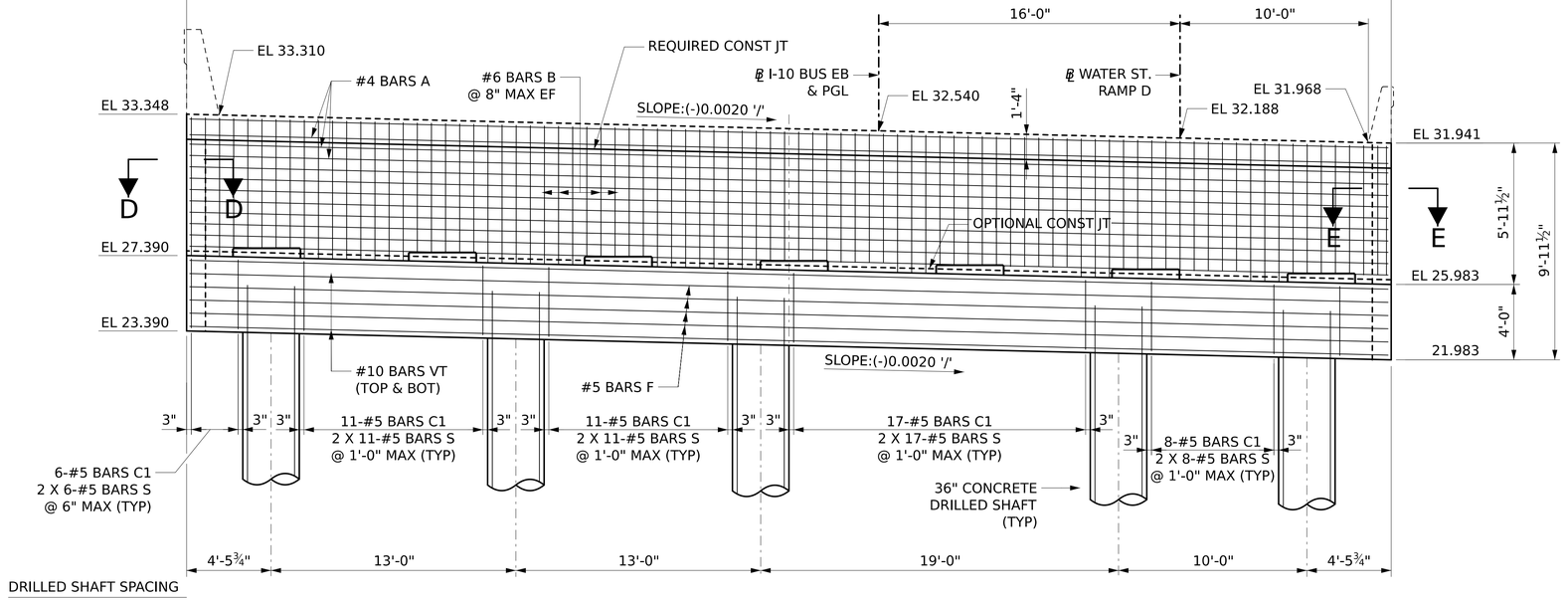
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11051

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



PLAN

SCALE: ¼" = 1'-0"



ELEVATION

SCALE: ¼" = 1'-0"
(LOOKING UPSTATION)

NOTES:

* 1. TYPE 2 ELASTOMERIC BEARING PADS. SEE BEARING DETAIL SHEET AND SPECIAL BRIDGE DWG NO SPGD-1.

◣◢ 2. FOR PEDESTAL DETAILS, SEE PEDESTAL DETAILS SHEET.

3. FOR SECTIONS A-A, B-B, C-C, D-D, & E-E, SEE ABUTMENT 15 DETAILS SHEET.

4. FABRICATE ALL BARS TYPE B TO THE SAME LENGTH. MAINTAIN 2" CONCRETE COVER AT TOP OF BARS. CUT BARS B AS REQUIRED 2" CL OVER TOP OF PILES.

5. FOR PILE NUMBER AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLES SHEET.

6. FOR DRILLED SHAFT TIP ELEVATIONS, SEE DRILLED SHFAT DATA TABLES SHEET.

7. FOR BRIDGE END SLAB DETAILS, SEE BRIDGE SPECIAL PROJECT DWG NO BES-450(I)BP.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: J. OSIBODU DATE:

BRIDGE SHEET NO. 51 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
ABUTMENT 15

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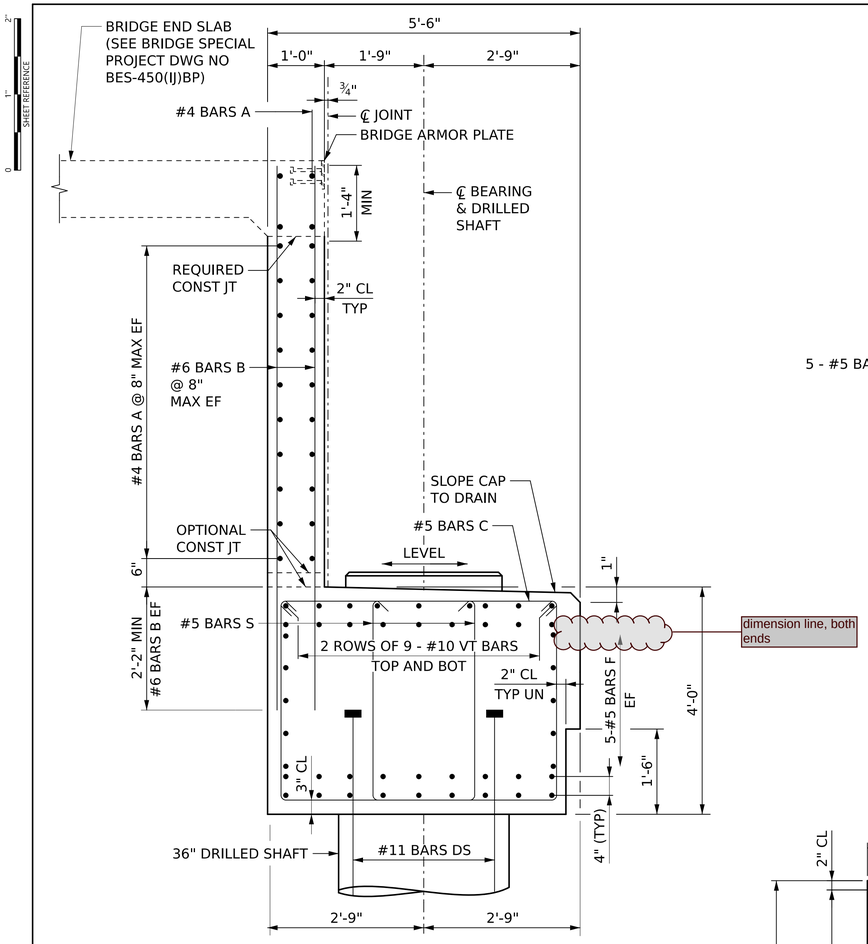
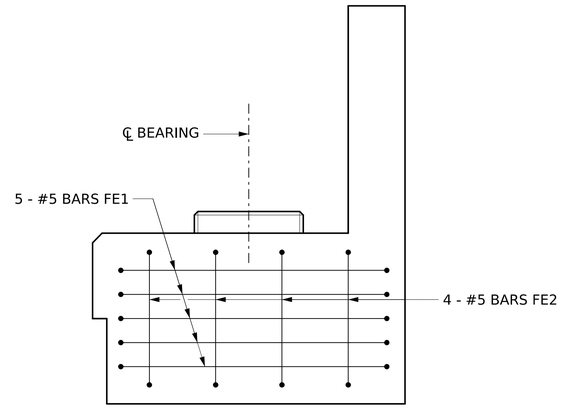
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11052

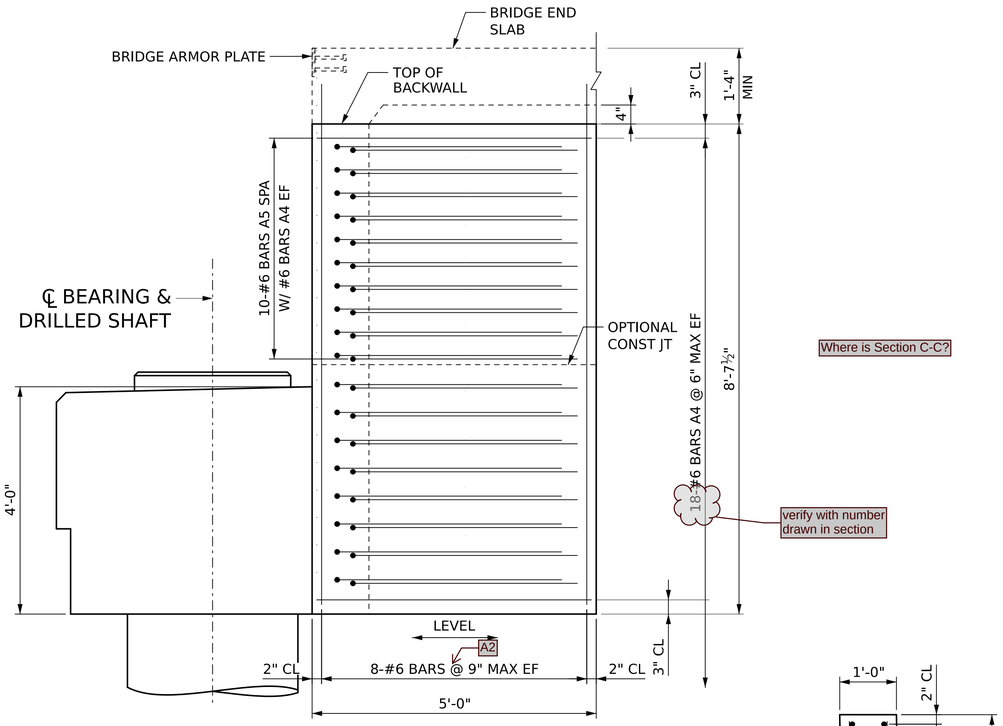
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



SECTION A-A
SCALE:¾" = 1'-0"

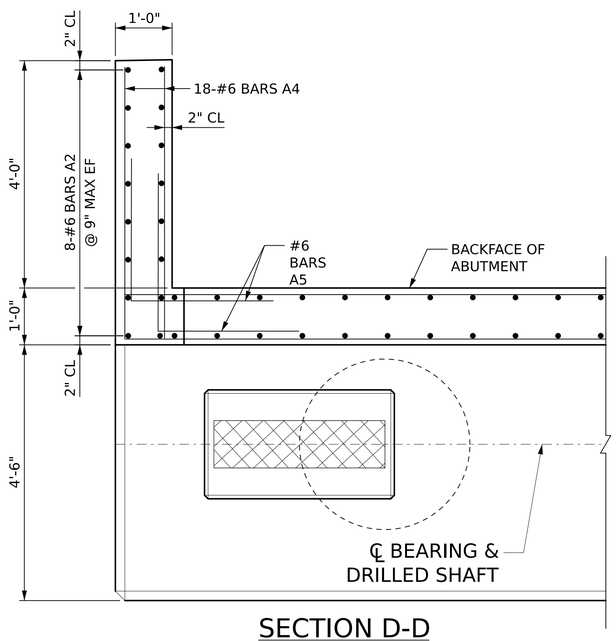


END CAP - REINFORCEMENT
SCALE:¾" = 1'-0"

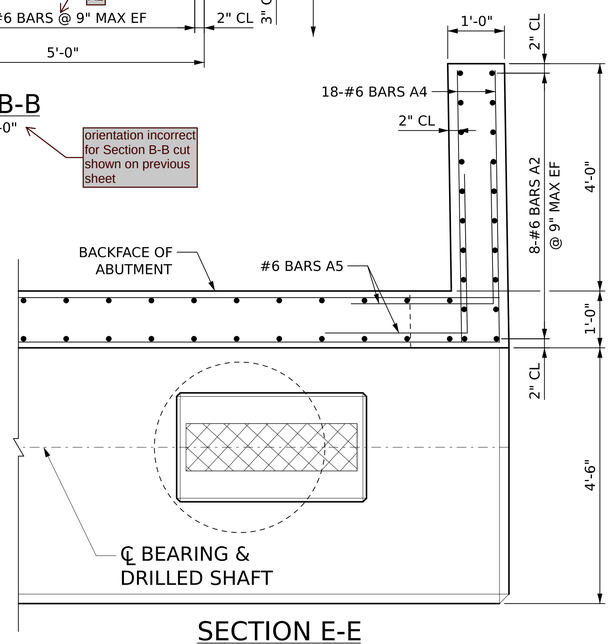


SECTION B-B
SCALE:¾" = 1'-0"

orientation incorrect for Section B-B cut shown on previous sheet



SECTION D-D
SCALE:¾" = 1'-0"



SECTION E-E
SCALE:¾" = 1'-0"

NOTES:

1. FOR PEDESTAL REINFORCEMENT DETAILS SEE PEDESTAL DETAILS SHEET.
2. FOR BILL OF REINFORCEMENT, SEE ABUTMENT BILL OF REINFORCEMENT SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: J. OSIBODU DATE:

BRIDGE SHEET NO. 52 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
ABUTMENT 15 DETAILS

MRB-S01-BR-11062.dgn
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6:35:02 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11053

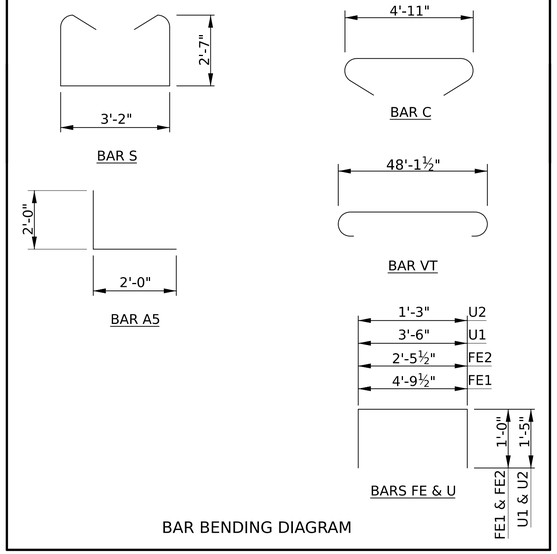
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

20 bars including end slab bars

BILL OF REINFORCEMENT-ABUTMENT 1

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	4	16	48'-1½"	BACKWALL	STRAIGHT
A2	6	16	8'-6"	WINGWALL	STRAIGHT
A4	6	28	4'-8"	WINGWALL	STRAIGHT
A5	6	28	4'-0"	WINGWALL	SEE DIAG
		140			
B	6	120	8'-2"	BACKWALL	STRAIGHT
C	5	44	5'-10"	CAP	SEE DIAG
F					
F1	5	6	48'-1½"	CAP	STRAIGHT
FE1	5	6	6'-9½"	CAP	SEE DIAG
FE2	5	8	4'-5½"	CAP	SEE DIAG
		88			
S	5	80	9'-3"	CAP	SEE DIAG
U1	3	20	6'-4"	PEDESTAL	SEE DIAG
U2	3	45	4'-1"	PEDESTAL	SEE DIAG
VT	10	15	50'-11½"	CAP	SEE DIAG



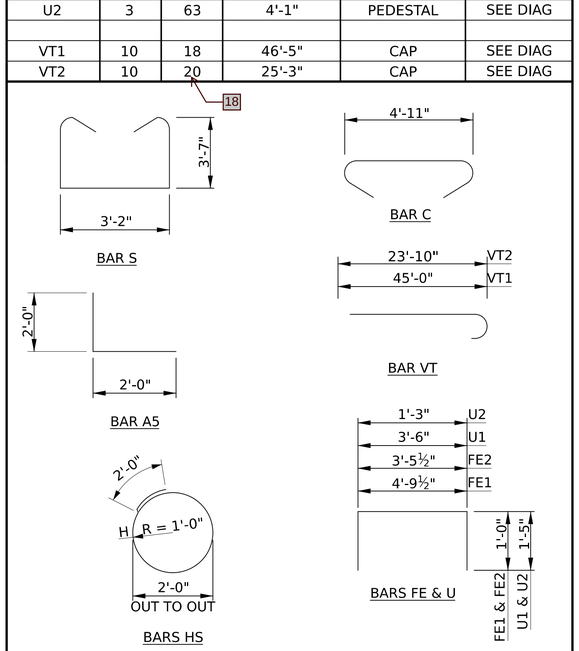
BAR BENDING DIAGRAM

24 including bars in end slab

add splice note for A and F bars. ALDOT Bridge QC Manual

BILL OF REINFORCEMENT-ABUTMENT 15

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	4	20	63'-7½"	BACKWALL	STRAIGHT
A2	6	32	8'-6"	WINGWALL	STRAIGHT
A4	6	72	4'-8"	WINGWALL	STRAIGHT
A5	6	72	4'-0"	WINGWALL	SEE DIAG
		186			
B	6	120	8'-2"	BACKWALL	STRAIGHT
		59			
C	5	52	5'-10"	CAP	SEE DIAG
DS	11	140	43'-2¾"	DRILLED SHAFT	STRAIGHT
F		10 shown			
F1	5	6	63'-7½"	CAP	STRAIGHT
FE1	5	10	6'-9½"	CAP	SEE DIAG
FE2	5	8	5'-5½"	CAP	SEE DIAG
HS	5	375	8'-3⅜"	DRILLED SHAFT	SEE DIAG
		118			
S	5	148	11'-4"	CAP	SEE DIAG
U1	3	28	6'-4"	PEDESTAL	SEE DIAG
U2	3	63	4'-1"	PEDESTAL	SEE DIAG
VT1	10	18	46'-5"	CAP	SEE DIAG
VT2	10	20	25'-3"	CAP	SEE DIAG



BAR BENDING DIAGRAM

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	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) 021828

COUNTY(S) MOBILE

DESIGNER: J. OSIBODU DATE:

BRIDGE SHEET NO. 53 OF 89

SHEET TITLE

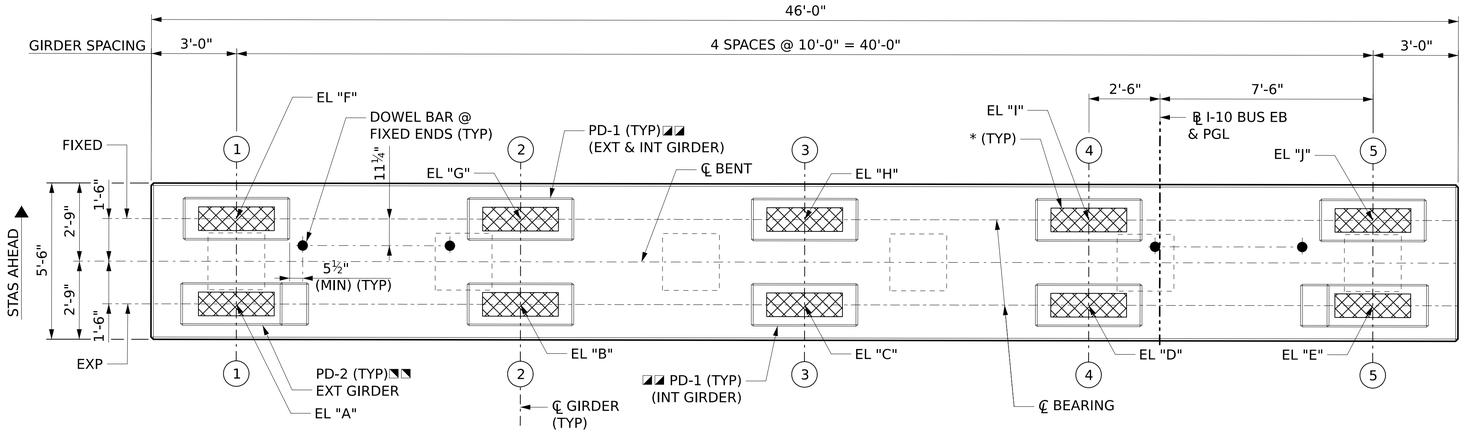
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
ABUTMENT BILL OF REINFORCEMENT

MRB-S01-BR-11053.dgn
cade.arras
6:35:22 PM
6/11/2025

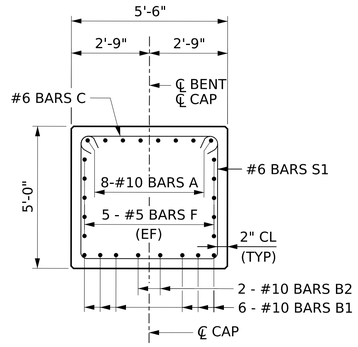
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11054

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

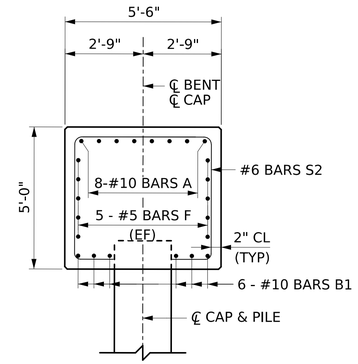
SHEET REFERENCE 0 1" 2"



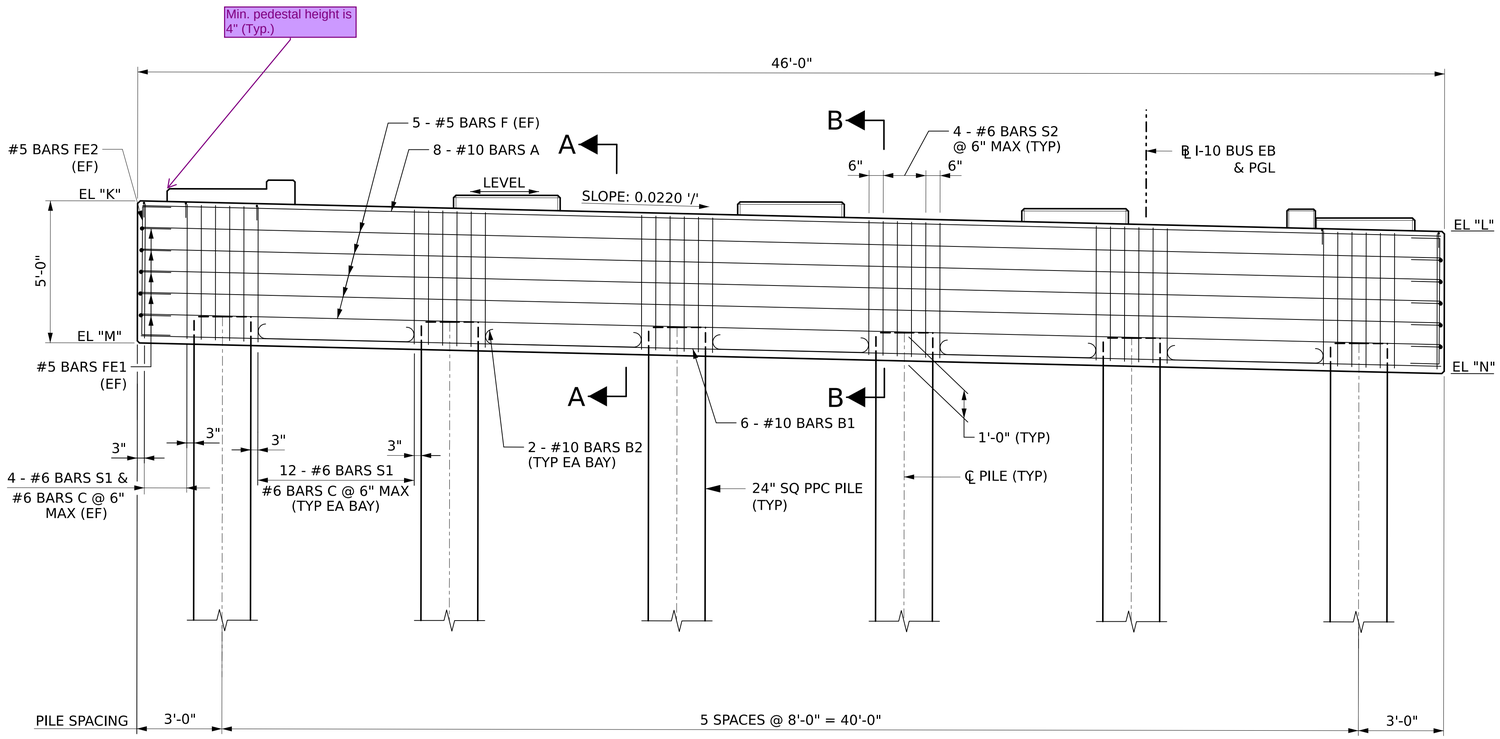
PLAN
SCALE: ⅜"= 1'-0"



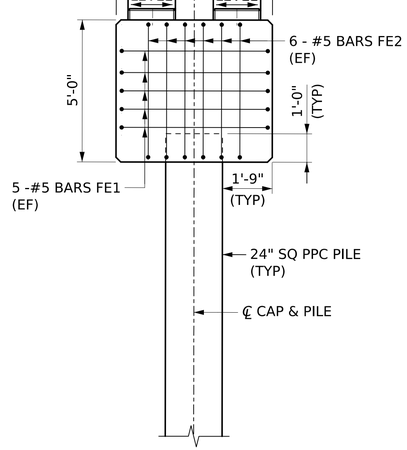
SECTION A-A
SCALE:⅜" = 1'-0"



SECTION B-B
SCALE:⅜" = 1'-0"



ELEVATION
SCALE: ⅜"= 1'-0"



END VIEW
SCALE: ⅜"= 1'-0"

TABLE OF ELEVATIONS														
BENT NO	MARK													
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"
2	34.359	34.139	33.919	33.699	33.479	34.433	34.213	33.993	33.773	33.553	34.050	33.038	29.050	28.038
3	36.277	36.057	35.837	35.617	35.397	36.331	36.111	35.891	35.671	35.451	35.968	34.956	30.968	29.956

NOTES:

* 1. ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

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

3. FOR PILE NUMBER, PILE TIP, AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLE SHEET.

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

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

BRIDGE SHEET NO. 54 OF 89

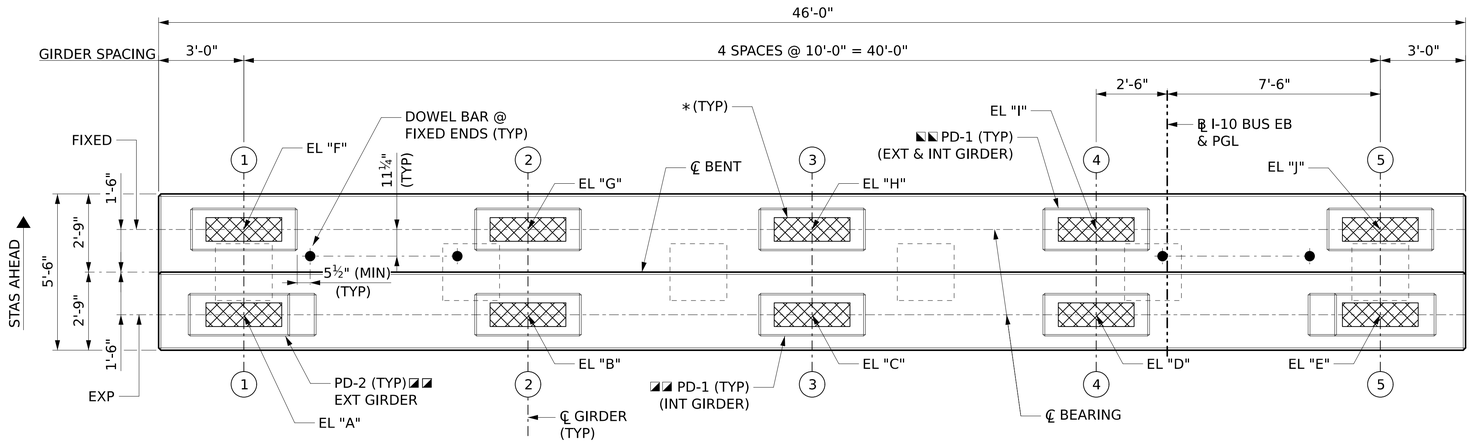
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENTS 2 & 3 DETAILS

MRB-S01-BR-11054.dgn
cade.arras
6:35:41 PM
6/11/2025

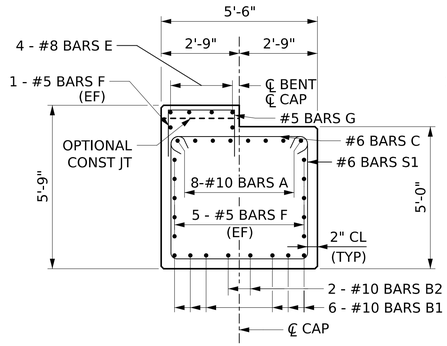
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11055

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

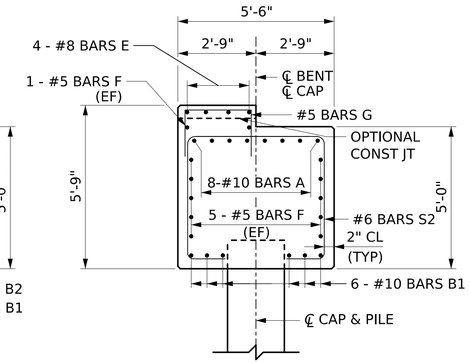
SHEET REFERENCE 0 1" 2"



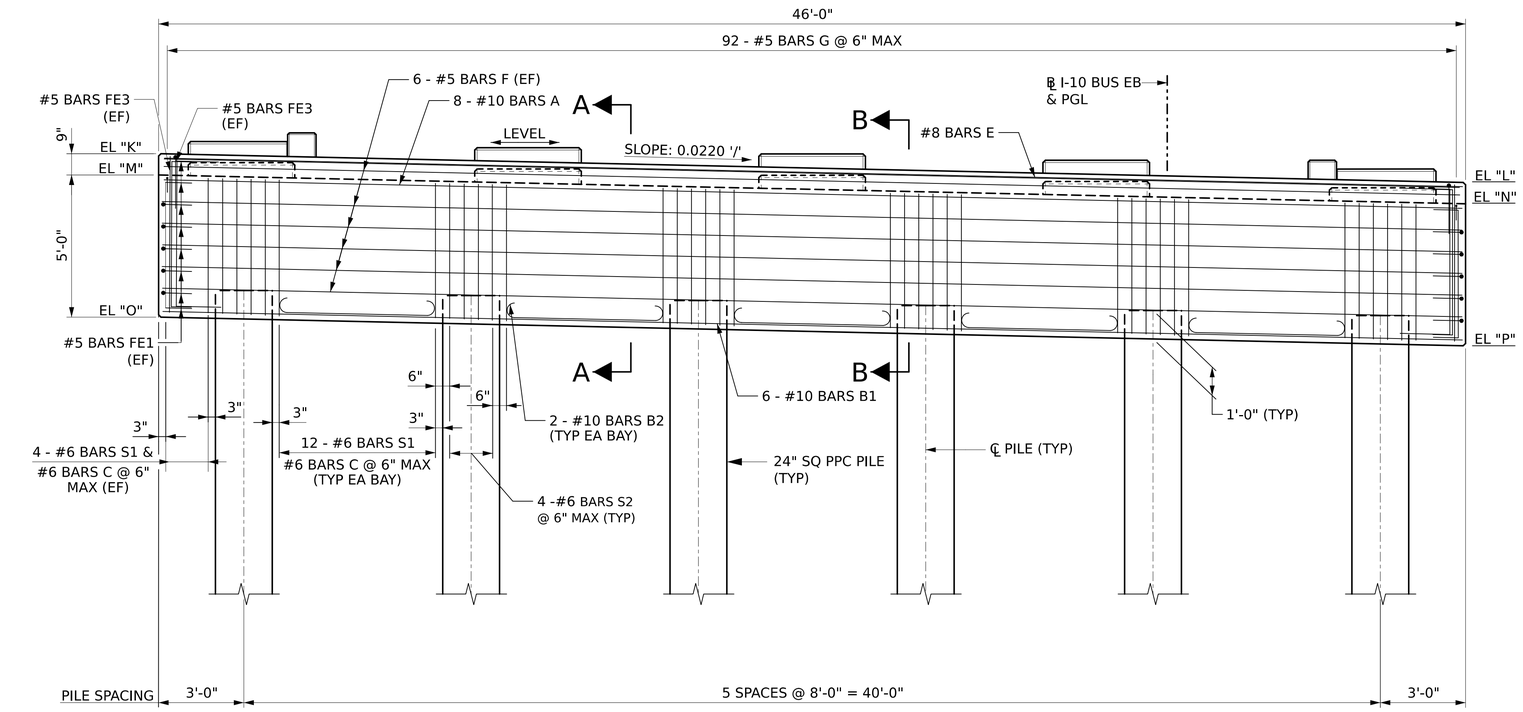
PLAN
SCALE: ⅜" = 1'-0"



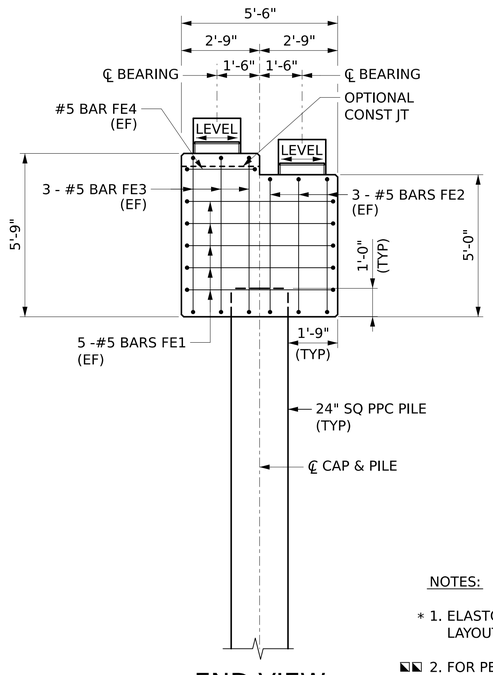
SECTION A-A
SCALE: ⅜" = 1'-0"



SECTION B-B
SCALE: ⅜" = 1'-0"



ELEVATION
SCALE: ⅜" = 1'-0"



END VIEW
SCALE: ⅜" = 1'-0"

NOTES:

∗ 1. ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

◪◪ 2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEETS.

3. FOR PILE NUMBER, PILE TIP, AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLE SHEET.

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

TABLE OF ELEVATIONS																
BENT NO	MARK															
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"	"O"	"P"
4	37.594	37.374	37.154	36.934	36.714	37.003	36.783	36.563	36.343	36.123	37.285	36.273	36.535	35.523	31.535	30.523

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

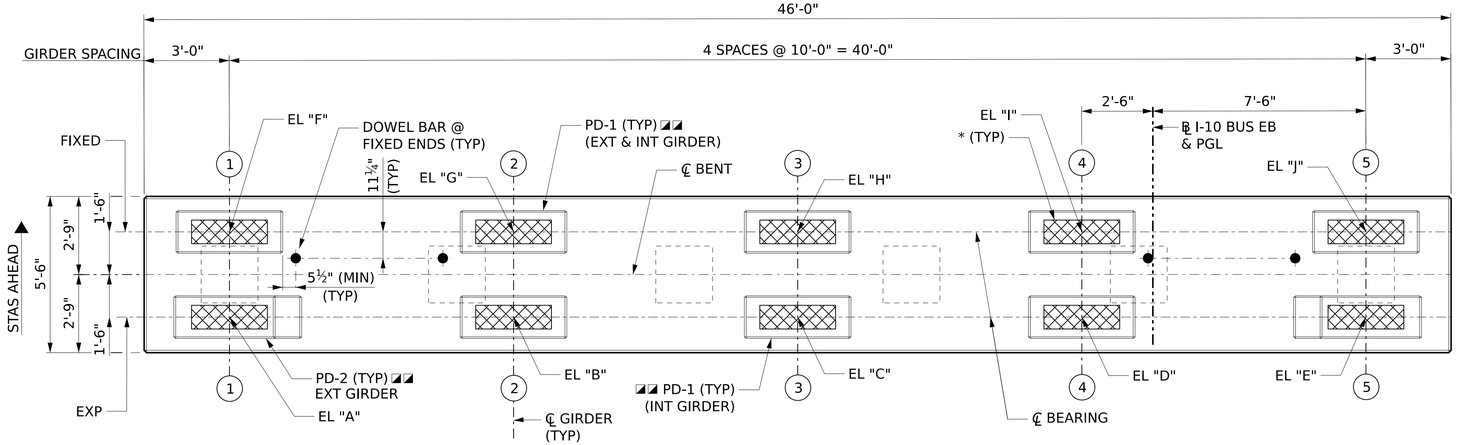
BRIDGE SHEET NO. 55 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 4 DETAILS

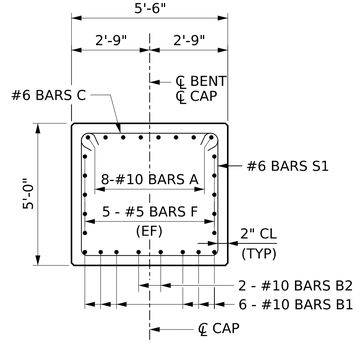
MRB-S01-BR-11055.dgn
cade.arras
6:36:01 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11056

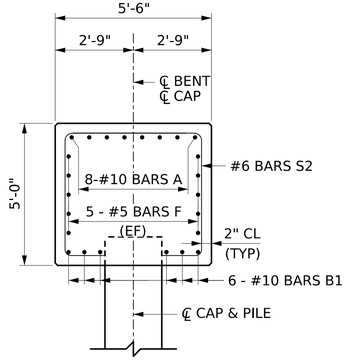
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



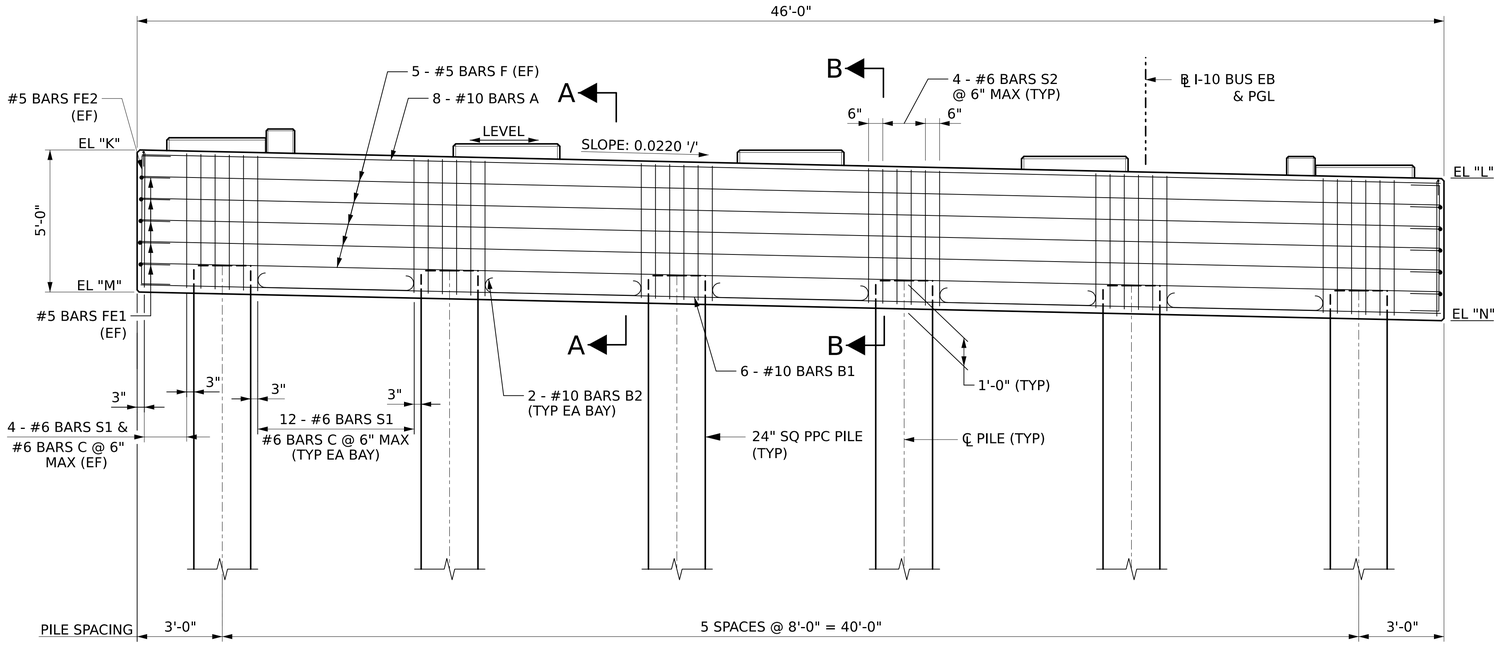
PLAN
SCALE: ⅜" = 1'-0"



SECTION A-A
SCALE: ⅜" = 1'-0"



SECTION B-B
SCALE: ⅜" = 1'-0"



ELEVATION
SCALE: ⅜"= 1'-0"

END VIEW
SCALE: ⅜"= 1'-0"

TABLE OF ELEVATIONS														
BENT NO	MARK													
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"
5	37.651	37.431	37.211	36.991	36.771	36.659	37.439	37.219	36.999	36.779	37.342	36.330	32.342	31.330

NOTES:

* 1. ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

◪◪ 2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEETS.

3. FOR PILE NUMBER, PILE TIP, AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLE SHEET.

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

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

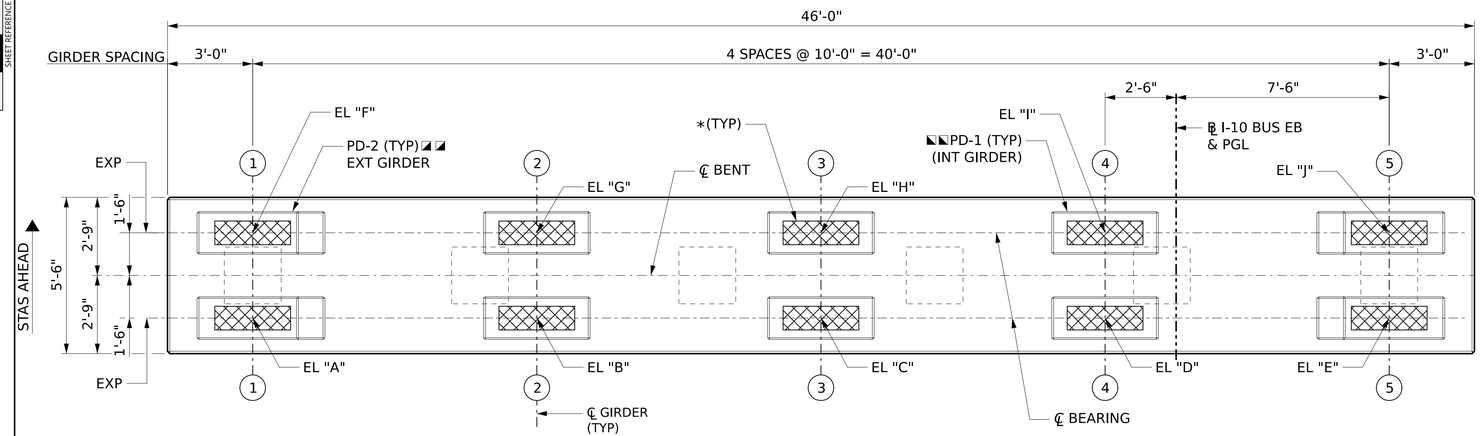
BRIDGE SHEET NO. 56 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 5 DETAILS

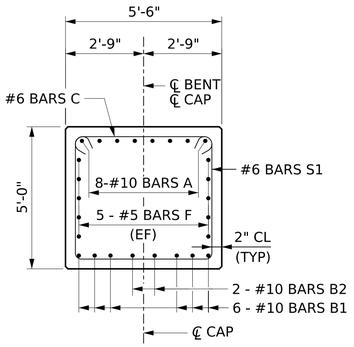
MRB-S01-BR-11056.dgn
cade.arras
6:36:21 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11057

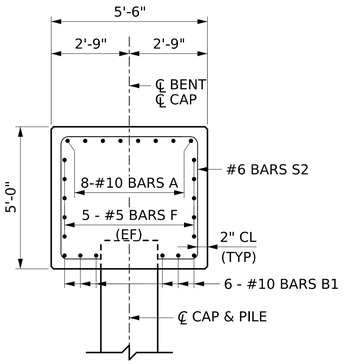
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



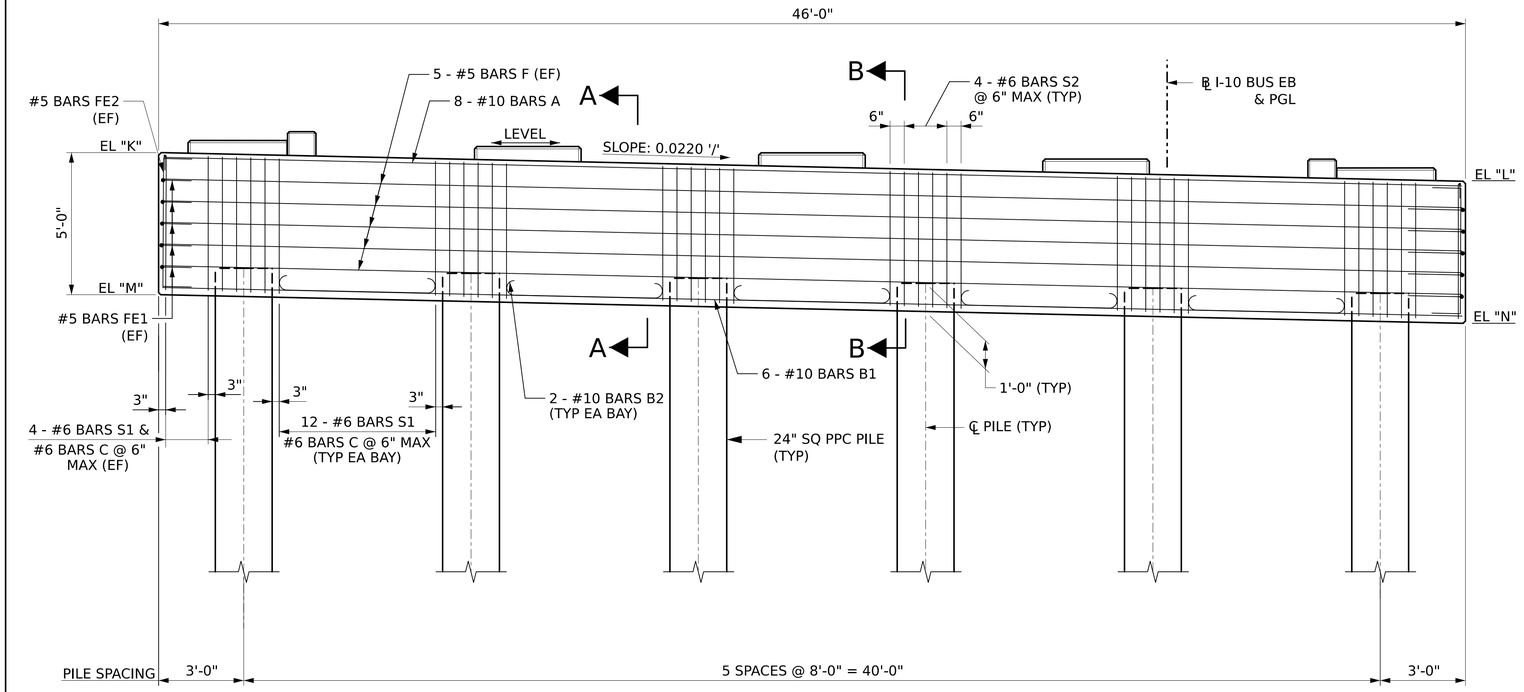
PLAN
SCALE: $\frac{3}{8}$" = 1'-0"



SECTION A-A
SCALE: $\frac{3}{8}$" = 1'-0"



SECTION B-B
SCALE: $\frac{3}{8}$" = 1'-0"



ELEVATION
SCALE: $\frac{3}{8}$"= 1'-0"

BENT NO	MARK													
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"
6	37.605	37.385	37.165	36.945	36.725	37.465	37.245	37.025	36.805	36.585	37.156	36.144	32.156	31.144

TABLE OF ELEVATIONS

END VIEW
SCALE: $\frac{3}{8}$"= 1'-0"

NOTES:

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

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

3. FOR PILE NUMBER, PILE TIP, AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLE SHEET.

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

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

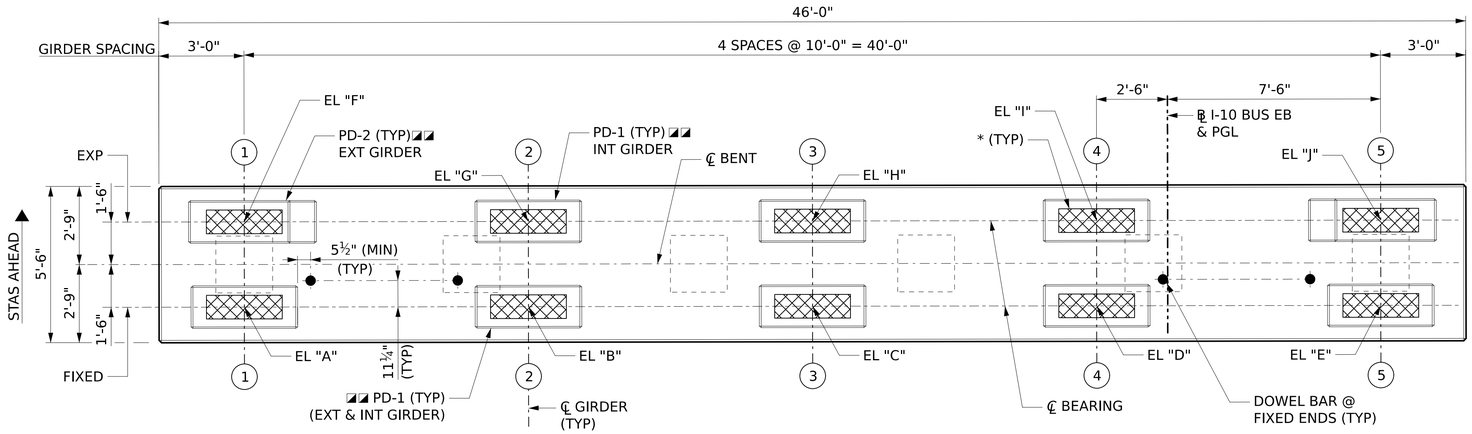
BRIDGE SHEET NO. 57 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 6 DETAILS

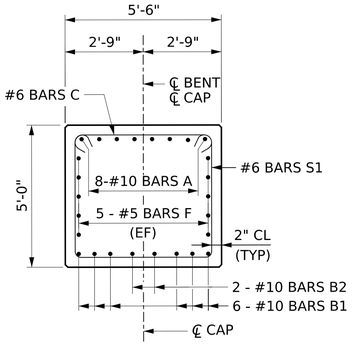
MRB-S01-BR-11057.dgn
cade.arras
6:36:42 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11058

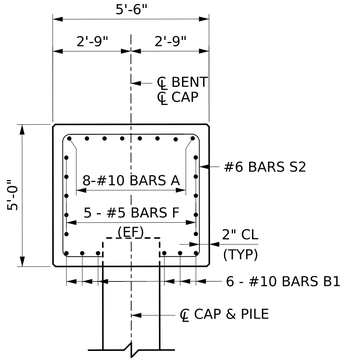
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



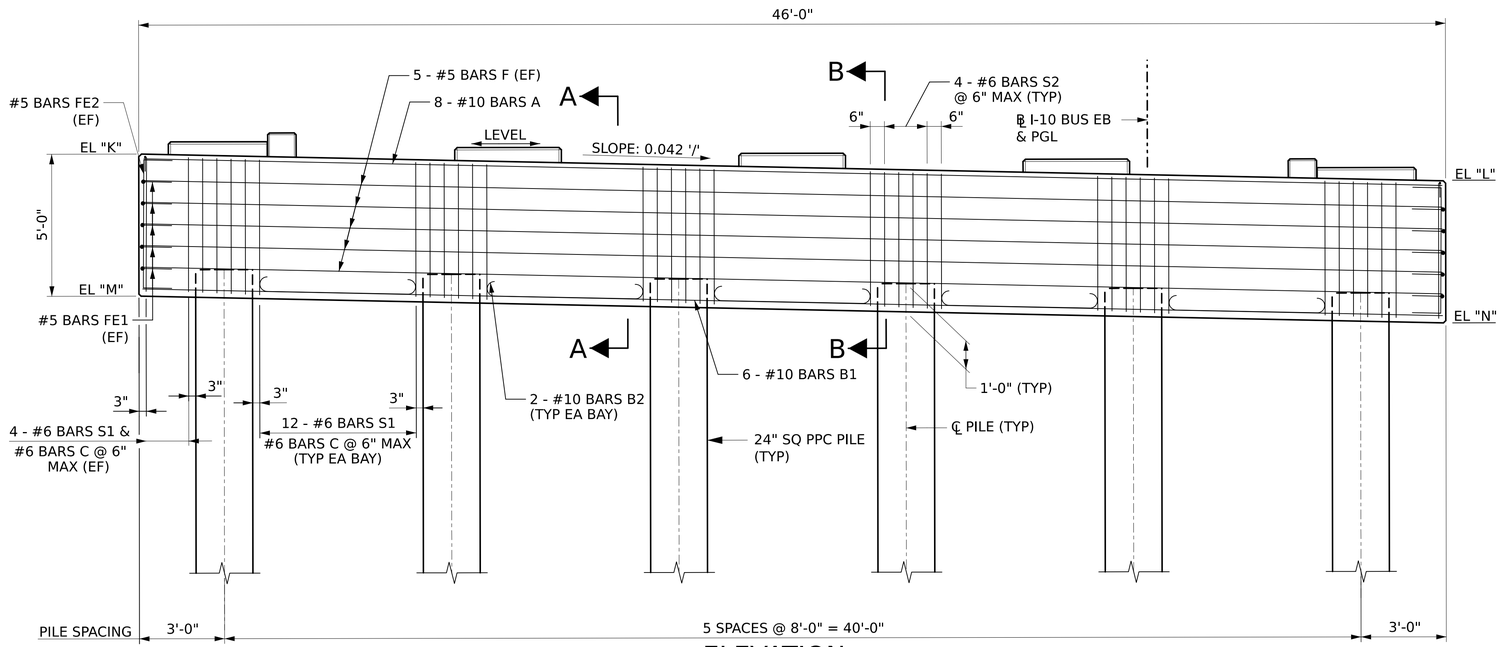
PLAN
SCALE: ⅜" = 1'-0"



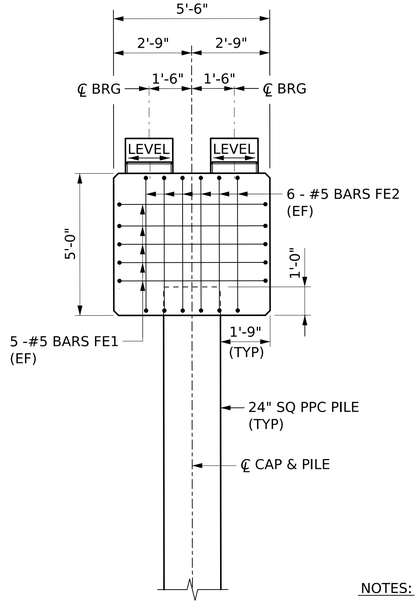
SECTION A-A
SCALE:⅜" = 1'-0"



SECTION B-B
SCALE:⅜" = 1'-0"



ELEVATION
SCALE: ⅜" = 1'-0"



END VIEW
SCALE: ⅜"= 1'-0"

TABLE OF ELEVATIONS														
BENT NO	MARK													
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"
7	37.618	37.198	36.778	36.149	35.938	37.603	37.183	36.763	36.343	35.923	37.316	35.384	32.316	30.384
8	37.095	36.675	36.255	35.835	35.415	37.080	36.660	36.240	35.820	35.400	36.792	34.860	31.792	29.860
9	36.571	36.151	35.730	35.310	34.890	36.555	36.135	35.715	35.295	34.875	36.269	34.337	31.269	29.337
10	36.046	35.626	35.206	34.786	34.366	35.907	35.487	35.067	34.647	34.227	35.621	33.689	30.621	28.689

NOTES:

* 1. ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

◪◪ 2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEETS.

3. FOR PILE NUMBER, PILE TIP, AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLE SHEET.

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

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

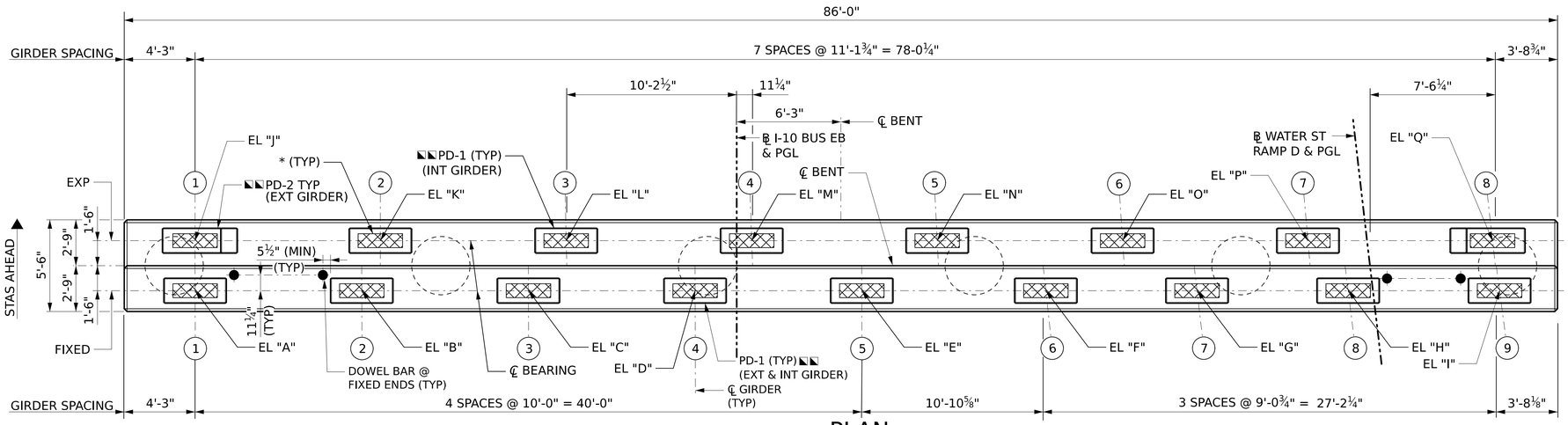
BRIDGE SHEET NO. 58 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENTS 7 THRU 10 DETAILS

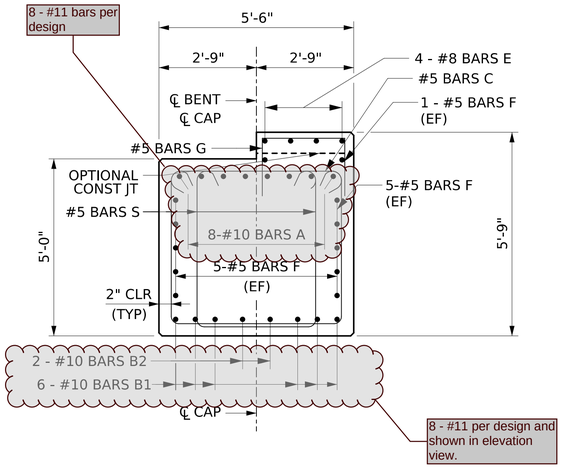
MRB-S01-BR-11058.dgn
cade.arras
6:37:02 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11059

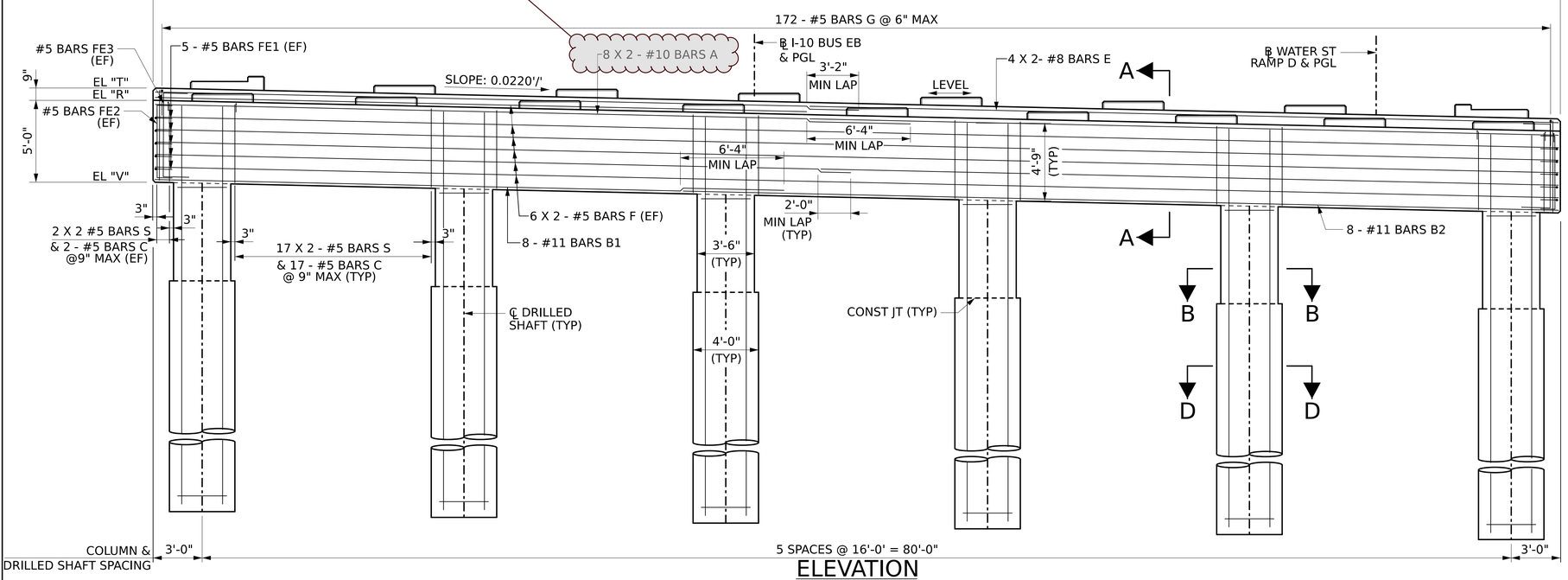
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



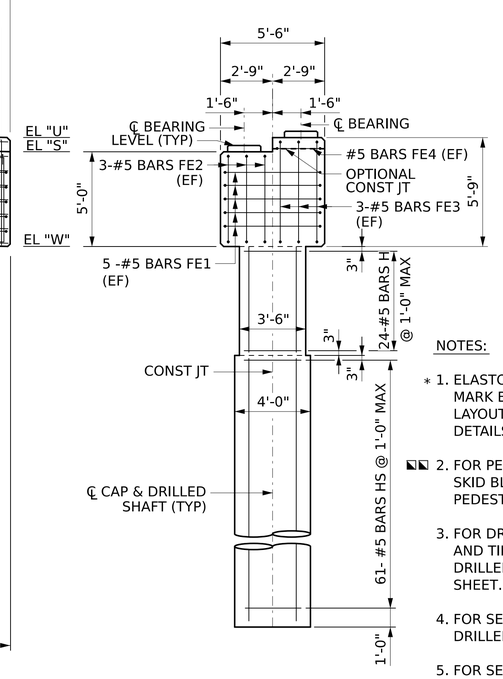
PLAN
SCALE: ¼" = 1'-0"



SECTION A-A
SCALE: ½" = 1'-0"



ELEVATION
SCALE: ¼" = 1'-0"



END VIEW
SCALE: ¼" = 1'-0"

NOTES:

1. ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.
2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEETS.
3. FOR DRILLED SHAFT NUMBER AND TIP ELEVATIONS, SEE DRILLED SHAFT DATA TABLE SHEET.
4. FOR SECTION D-D, SEE DRILLED SHAFT TABLE SHEET.
5. FOR SECTION B-B, SEE MISC BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: E. LAGEMANN DATE:

BRIDGE SHEET NO. 59 OF 89

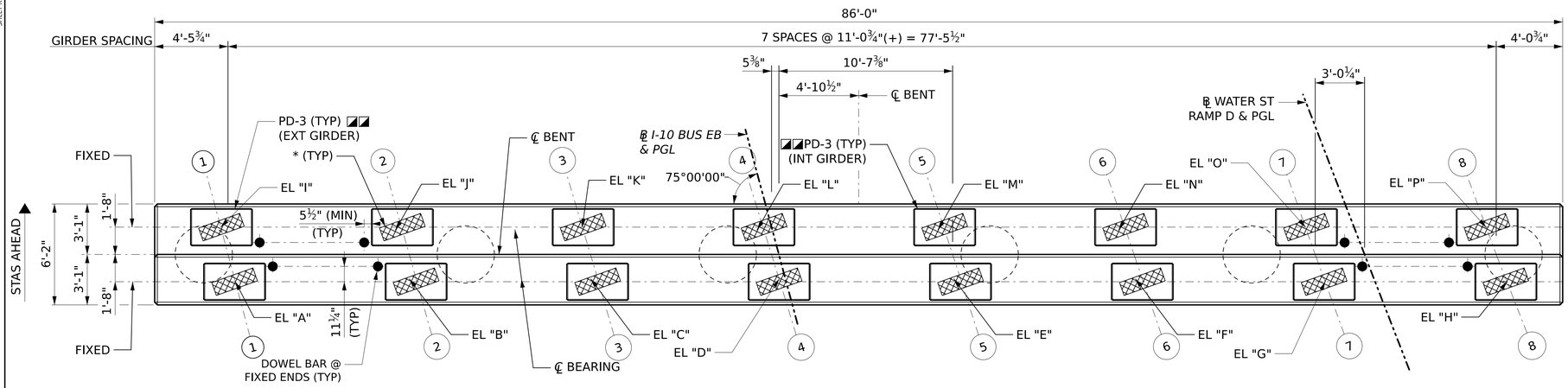
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 11 DETAILS

MRB-S01-BR-11059.dgn
cade.arras
6:37:30 PM
6/11/2025

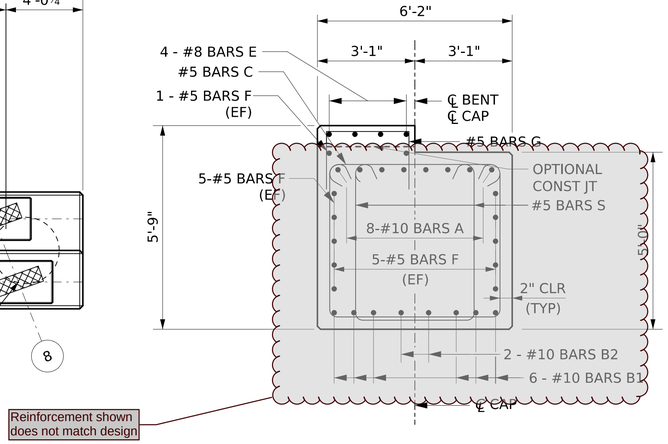
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11060

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

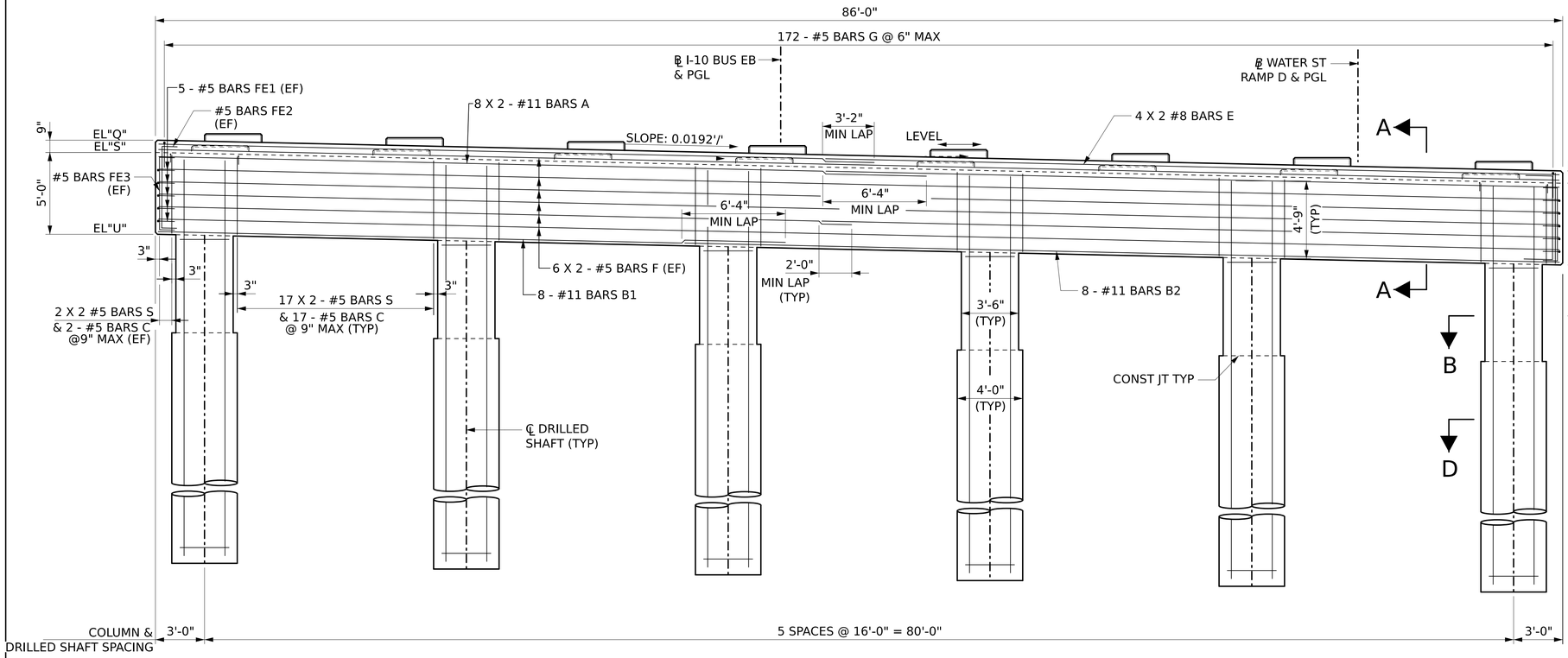
SHEET REFERENCE 0 1" 2"



PLAN
SCALE: ¼" = 1'-0"



SECTION A-A
SCALE: ½" = 1'-0"



ELEVATION
SCALE: ¼" = 1'-0"

END VIEW
SCALE: ¼" = 1'-0"

NOTES:

1. * ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.
2. FOR PEDESTAL DETAILS AND SKID BLOCK DETAILS, SEE PEDESTAL DETAILS SHEETS.
3. FOR PILE NUMBER, PILE TIP, AND CUT-OFF ELEVATIONS, SEE PILE DATA TABLE SHEET.
4. FOR SECTION D-D, SEE DRILLED SHAFT TABLE SHEET.
5. FOR SECTION B-B, SEE MISC BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

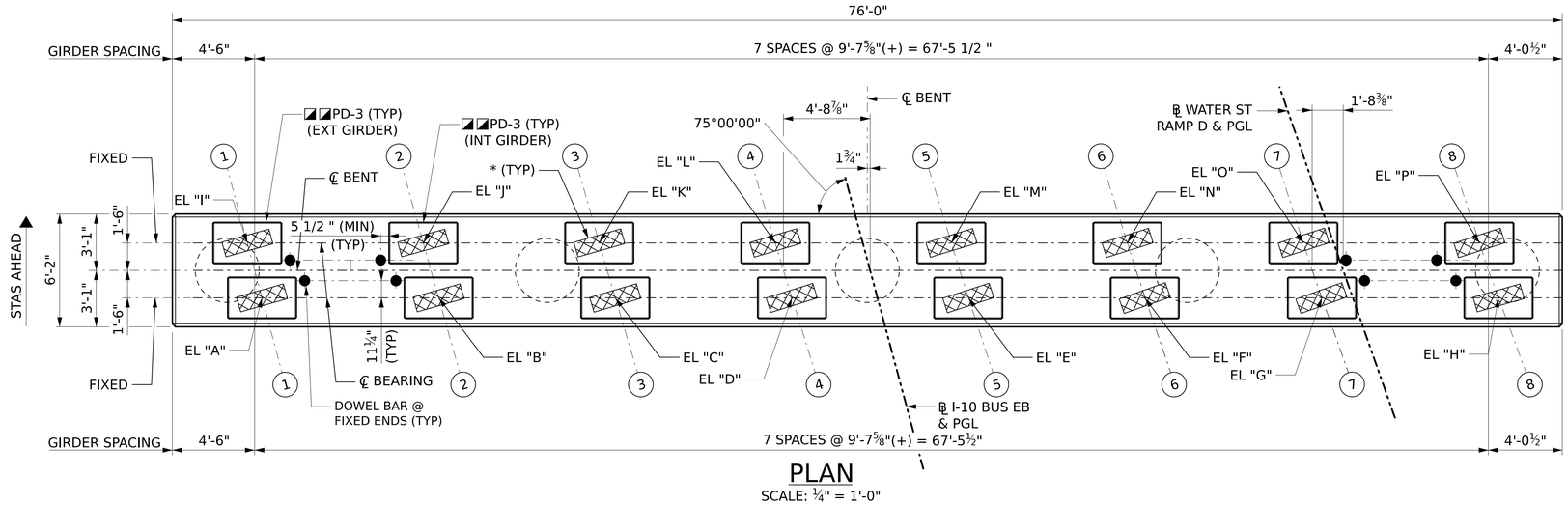
BRIDGE SHEET NO. 60 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 12 DETAILS

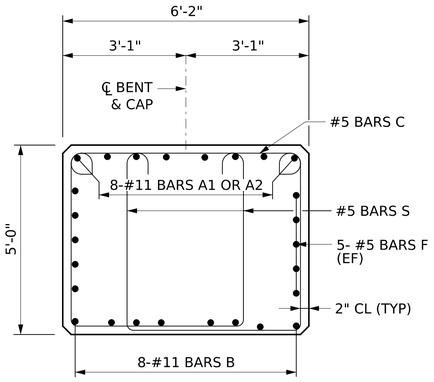
MRB-S01-BR-11060.dgn
cade.arras
6:37:51 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11061

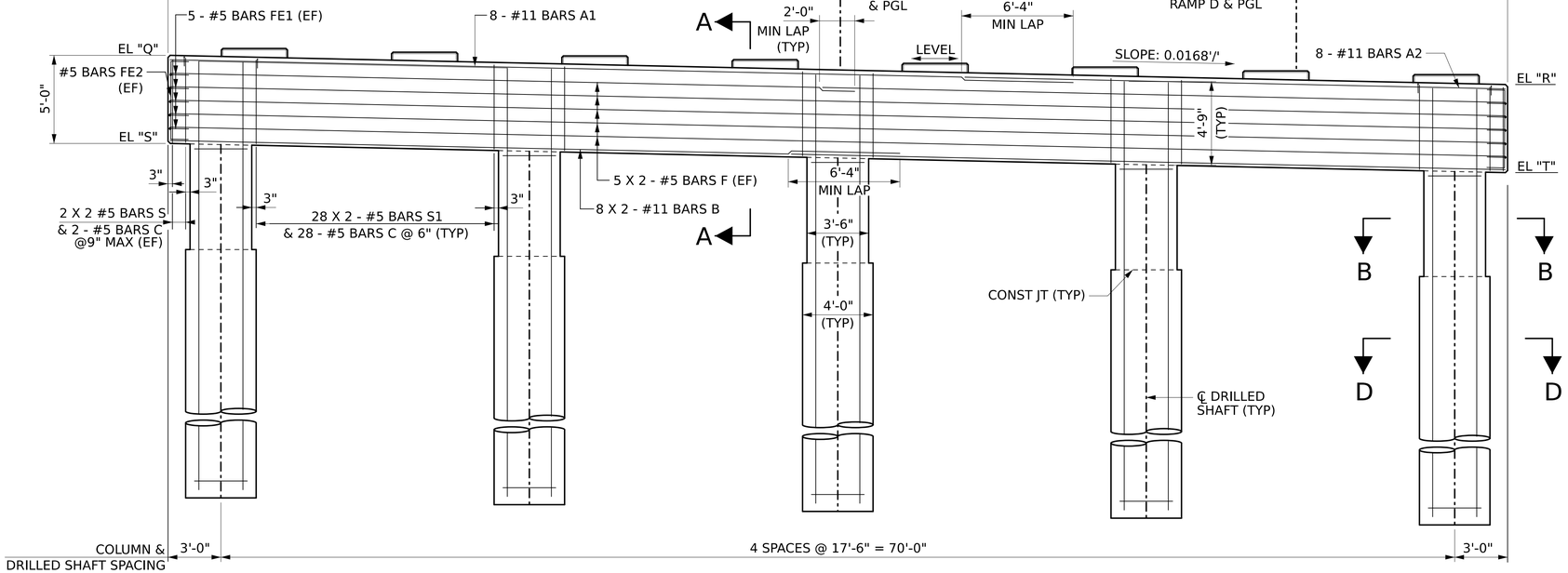
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



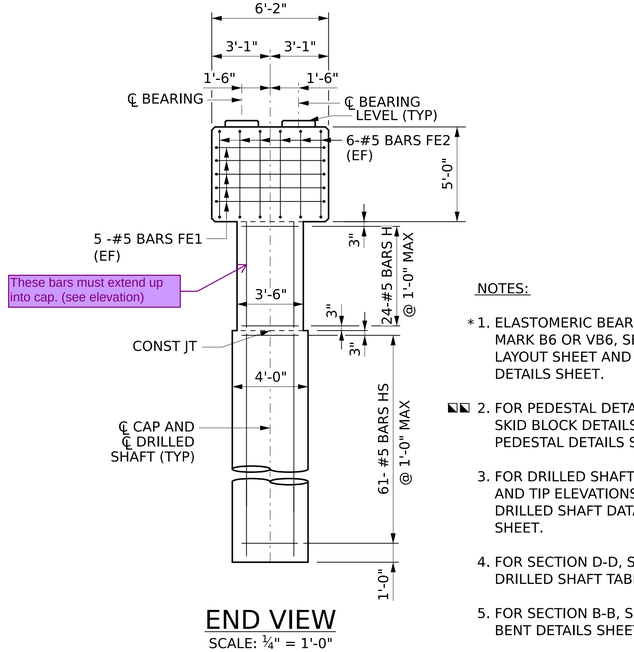
PLAN
SCALE: ¼" = 1'-0"



SECTION A-A
SCALE: ½" = 1'-0"



ELEVATION
SCALE: ¼" = 1'-0"



END VIEW
SCALE: ¼" = 1'-0"

NOTES:

*1. ELASTOMERIC BEARING PAD, MARK B6 OR VB6, SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.

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

3. FOR DRILLED SHAFT NUMBER AND TIP ELEVATIONS, SEE DRILLED SHAFT DATA TABLE SHEET.

4. FOR SECTION D-D, SEE DRILLED SHAFT TABLE SHEET.

5. FOR SECTION B-B, SEE MISC BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

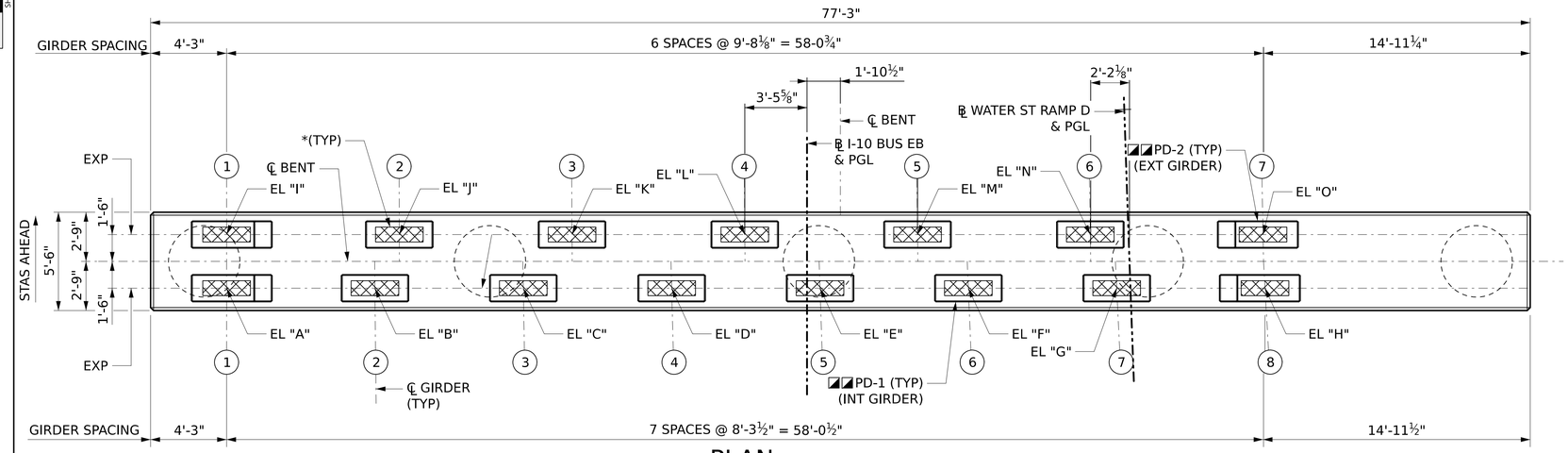
DESIGNER: E. LAGEMANN DATE:
BRIDGE SHEET NO. 61 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 13 DETAILS

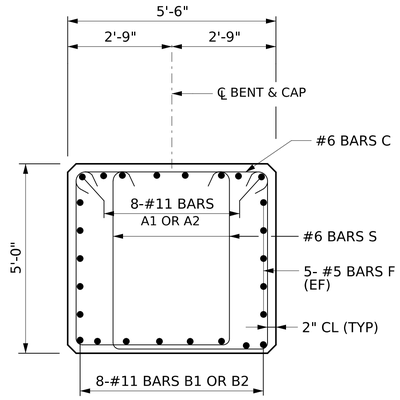
MRB-S01-BR-11061.dgn
cade.arras
6:38:17 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11062

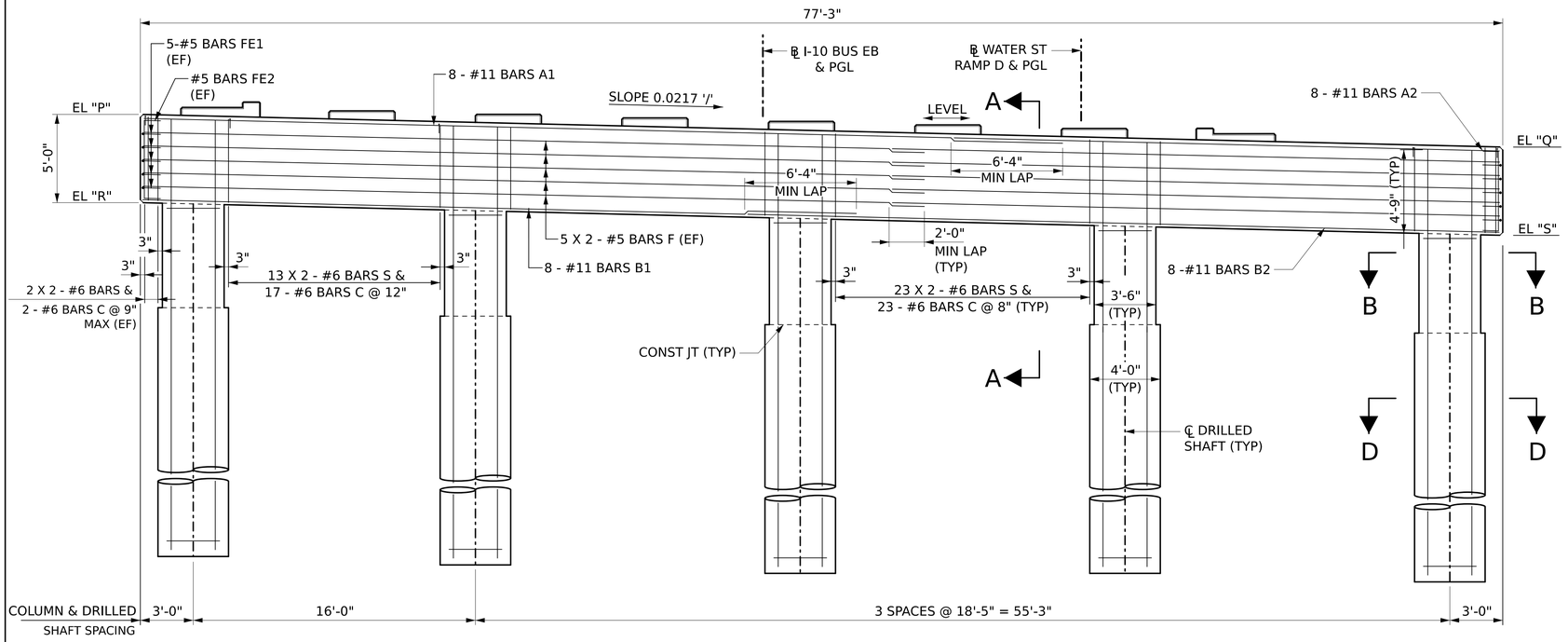
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



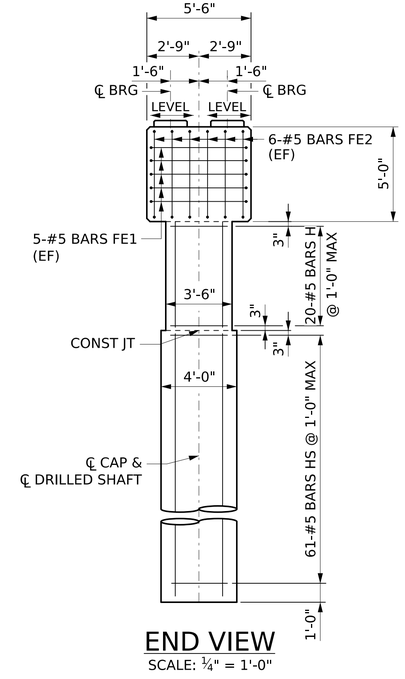
PLAN
SCALE: ¼" = 1'-0"



SECTION A-A
SCALE: ½" = 1'-0"



ELEVATION
SCALE: ¼" = 1'-0"



END VIEW
SCALE: ¼" = 1'-0"

NOTES:

* 1. ELASTOMERIC BEARING PAD, MARK B6 0R VB6. SEE JOINT LAYOUT SHEET AND BEARING DETAILS SHEET.
2. FOR PEDESTAL DETAILS AND SKID BLOCK DETALS, SEE PEDESTAL DETAILS SHEETS.
3. FOR DRILLED SHAFT NUMBER AND TIP ELEVATIONS, SEE DRILLED SHAFT TABLE SHEET.
4. FOR SECTION D-D, SEE DRILLED SHAFT DATA SHEET.
5. FOR SECTION B-B, SEE MISC BENT DETAILS SHEET.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE
VOLKERT

PLAN SUBMITTAL
90%

BIN(S)
021828
COUNTY(S)
MOBILE

DESIGNER: E. LAGEMANN DATE:

BRIDGE SHEET NO. 62 OF 89

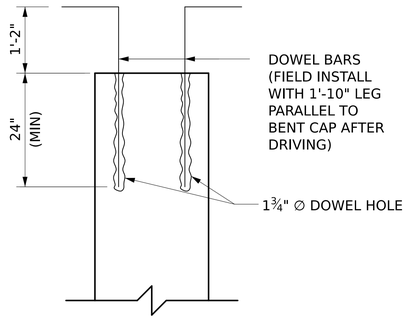
SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENT 14 DETAILS

MRB-S01-BR-11062.dgn
cade.arras
6:38:42 PM
6/11/2025

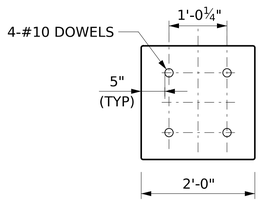
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11063

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

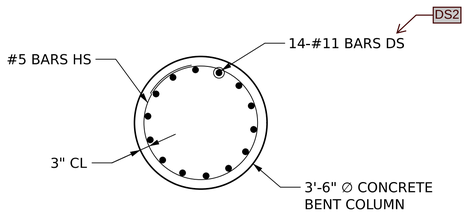
TABLE OF ELEVATIONS																								
BENT NO	MARK																							
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"	"T"	"U"	"V"	"W"	
11	34.753	34.531	34.310	34.089	33.868	33.609	33.407	33.140	33.003	35.692	35.447	35.202	34.957	34.711	34.466	34.220	33.973	34.444	32.552	35.194	33.302	29.444	27.552	
12	35.434	35.219	35.003	34.786	34.579	34.367	34.154	33.939	34.536	34.322	34.108	33.893	33.687	33.477	33.266	33.053	34.995	33.345	34.245	32.595	29.245	27.595		
13	33.361	33.196	33.034	32.863	32.697	32.540	32.381	32.222	33.353	33.189	33.024	32.859	32.694	32.537	32.380	32.223	33.057	31.782	28.057	26.782				
14	31.104	30.921	30.738	30.490	30.369	30.194	30.019	29.844	31.027	30.814	30.601	30.388	30.177	29.973	29.768	30.744	29.070	25.744	24.070					



PILE HEAD ATTACHMENT
NTS



DOWEL HOLE PATTERN
NTS



SECTION B-B
SCALE: 1/2" = 1'-0"

NOTE:

1. DOWEL HOLES SHALL BE DRILLED AFTER DRIVING IS COMPLETE. HOLES SHALL BE CLEANED PRIOR TO SETTING DOWEL BARS AND SHALL BE FREE OF DUST, OIL, WATER, AND OTHER CONTAMINENTS. DOWEL BARS SHALL BE USING AN APPROVED EPOXY.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: E. LAGEMANN DATE:

BRIDGE SHEET NO. 63 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
MISCELLANEOUS BENT DETAILS

MRB-S01-BR-11063.dgn
kirk.mcdonald
7:29:27 PM
6/11/2025

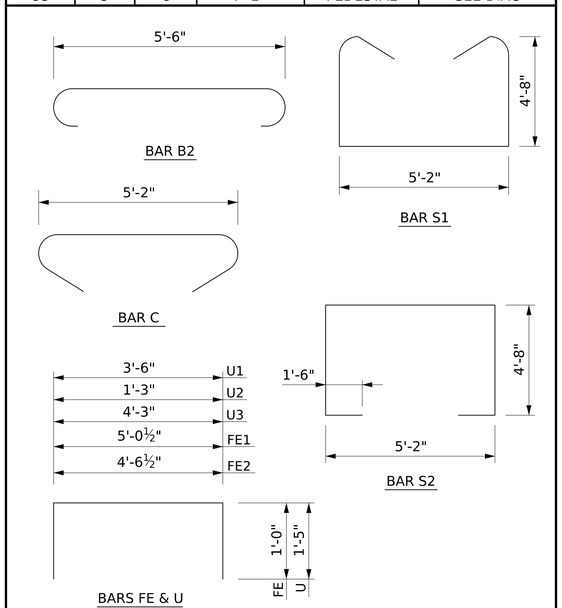
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11064

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

BILL OF REINFORCEMENT - BENTS 2, 3, 5, 7 THRU 10 (EACH)

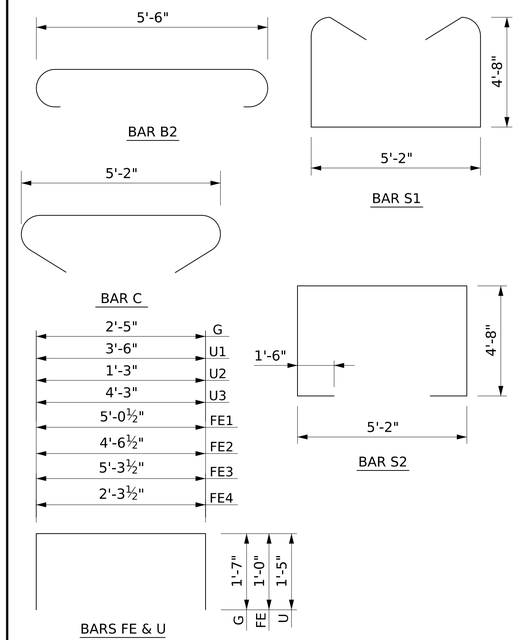
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	10	8	45'-8"	CAP	STRAIGHT
B1	10	6	45'-8"	CAP	STRAIGHT
B2	10	10	8'-4"	CAP	SEE DIAG
C	6	68	6'-6"	CAP	SEE DIAG
F	5	10	45'-8"	CAP	STRAIGHT
FE1	5	10	7'-0½"	CAP	SEE DIAG
FE2	5	12	6'-6½"	CAP	SEE DIAG
K	4	20	1'-8"	PEDESTAL	STRAIGHT
S1	6	68	15'-10"	CAP	SEE DIAG
S2	6	24	17'-6"	CAP	SEE DIAG
U1	3	32	6'-4"	PEDESTAL	SEE DIAG
U2	3	94	4'-1"	PEDESTAL	SEE DIAG
U3	3	8	7'-1"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 4

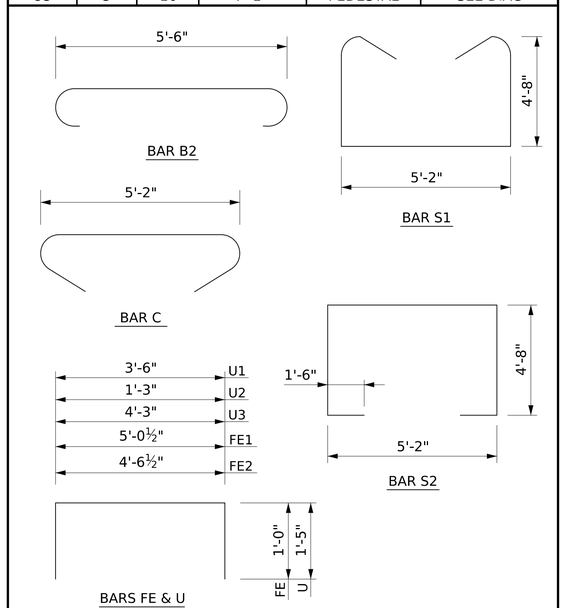
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	10	8	45'-8"	CAP	STRAIGHT
B1	10	6	45'-8"	CAP	STRAIGHT
B2	10	10	8'-4"	CAP	SEE DIAG
C	6	68	6'-6"	CAP	SEE DIAG
E	8	4	45'-8"	CAP	STRAIGHT
F	5	12	45'-8"	CAP	STRAIGHT
FE1	5	10	7'-0½"	CAP	SEE DIAG
FE2	5	6	6'-6½"	CAP	SEE DIAG
FE3	5	6	7'-3½"	CAP	SEE DIAG
FE4	5	2	4'-3½"	CAP	SEE DIAG
G	5	92	5'-7"	CAP	SEE DIAG
K	4	20	1'-8"	PEDESTAL	STRAIGHT
S1	6	68	15'-10"	CAP	SEE DIAG
S2	6	24	17'-6"	CAP	SEE DIAG
U1	3	32	6'-4"	PEDESTAL	SEE DIAG
U2	3	94	4'-1"	PEDESTAL	SEE DIAG
U3	3	8	7'-1"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 6

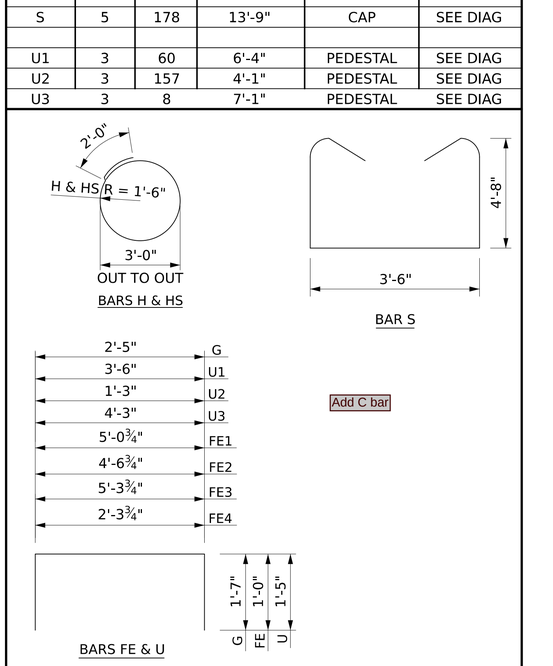
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	10	8	45'-8"	CAP	STRAIGHT
B1	10	6	45'-8"	CAP	STRAIGHT
B2	10	10	8'-4"	CAP	SEE DIAG
C	6	68	6'-6"	CAP	SEE DIAG
F	5	10	45'-8"	CAP	STRAIGHT
FE1	5	10	7'-0½"	CAP	SEE DIAG
FE2	5	12	6'-6½"	CAP	SEE DIAG
K	4	40	1'-8"	PEDESTAL	STRAIGHT
S1	6	68	15'-10"	CAP	SEE DIAG
S2	6	24	17'-6"	CAP	SEE DIAG
U1	3	24	6'-4"	PEDESTAL	SEE DIAG
U2	3	98	4'-1"	PEDESTAL	SEE DIAG
U3	3	16	7'-1"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 11

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	11	16	46'-0"	CAP	STRAIGHT
B1	11	8	38'-0"	CAP	STRAIGHT
B2	11	8	54'-0"	CAP	STRAIGHT
C	5	89	6'-1"	CAP	STRAIGHT
DS1	11	168	39'-4"	DRILLED SHAFT	STRAIGHT
DS2	11	84	20'-2"	COLUMN	STRAIGHT
E	8	8	44'-5"	STEP	STRAIGHT
F	5	24	43'-10"	CAP/ STEP	STRAIGHT
FE1	5	10	7'-0¾"	CAP	SEE DIAG
FE2	5	6	6'-6¾"	CAP	SEE DIAG
FE3	5	6	7'-3¾"	CAP	SEE DIAG
FE4	5	2	4'-3¾"	STEP	SEE DIAG
G	5	172	5'-7"	CAP	SEE DIAG
H	5	144	11'-5"	COLUMN	SEE DIAG
HS	5	366	11'-5"	DRILLED SHAFT	SEE DIAG
K	4	20	1'-8"	PEDESTAL	STRAIGHT
S	5	178	13'-9"	CAP	SEE DIAG
U1	3	60	6'-4"	PEDESTAL	SEE DIAG
U2	3	157	4'-1"	PEDESTAL	SEE DIAG
U3	3	8	7'-1"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: E. LAGEMANN DATE:

BRIDGE SHEET NO. 64 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENTS BILL OF REINFORCEMENT (1)

MRB-S01-BR-11064.dgn
cade.arras
6:39:30 PM
6/11/2025

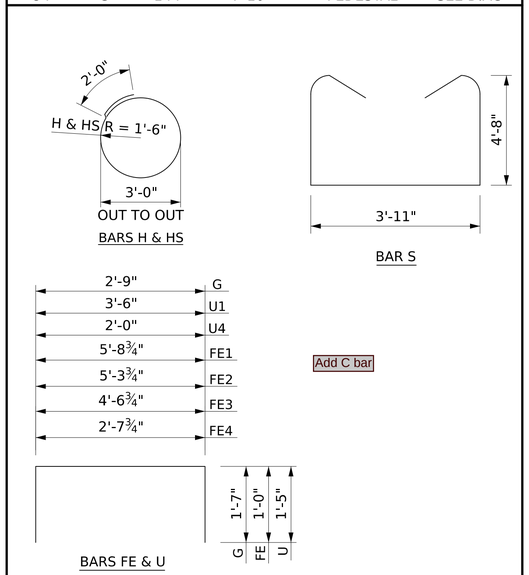
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11065

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

BILL OF REINFORCEMENT - BENT 12

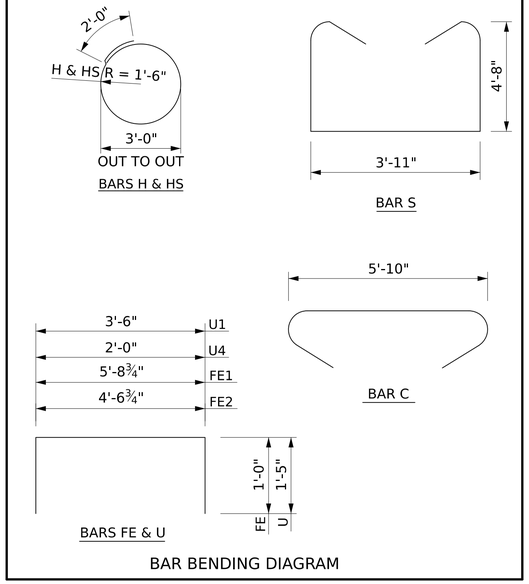
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A	11	16	46'-0"	CAP	STRAIGHT
B1	11	8	38'-0"	CAP	STRAIGHT
B2	11	8	54'-0"	CAP	STRAIGHT
C	5	89	6'-9"	CAP	STRAIGHT
DS1	11	168	40'-1"	DRILLED SHAFT	STRAIGHT
DS2	11	84	23'-5"	COLUMN	STRAIGHT
E	8	8	44'-5"	STEP	STRAIGHT
F	5	24	43'-10"	CAP/ STEP	STRAIGHT
FE1	5	10	7'-8¾"	CAP	SEE DIAG
FE2	5	6	7'-3¾"	CAP	SEE DIAG
FE3	5	6	6'-6¾"	CAP	SEE DIAG
FE4	5	2	4'-7¾"	STEP	SEE DIAG
G	5	172	5'-11"	STEP	SEE DIAG
H	5	144	11'-5"	COLUMN	SEE DIAG
HS	5	366	11'-5"	DRILLED SHAFT	SEE DIAG
S	5	178	14'-2"	CAP	SEE DIAG
U1	3	80	6'-4"	PEDESTAL	SEE DIAG
U4	3	144	4'-10"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 13

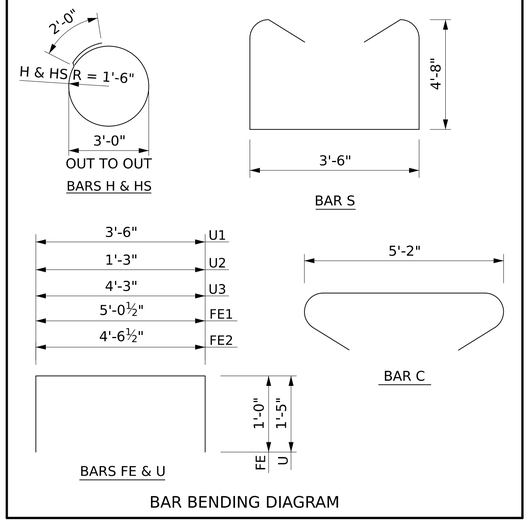
MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A1	11	8	49'-9"	CAP	STRAIGHT
A2	11	8	32'-3"	CAP	STRAIGHT
B	11	16	41'-0"	CAP	STRAIGHT
C	5	116	6'-9"	CAP	SEE DIAG
DS1	11	210	44'-2"	DRILLED SHAFT	STRAIGHT
DS2	11	70	20'-7"	COLUMN	STRAIGHT
F	5	20	38'-10"	CAP/ STEP	STRAIGHT
FE1	5	10	7'-8¾"	CAP	SEE DIAG
FE2	5	14	6'-6¾"	CAP	SEE DIAG
		12			
H	5	120	11'-5"	COLUMN	SEE DIAG
HS	5	305	11'-5"	DRILLED SHAFT	SEE DIAG
S	5	232	14'-2"	CAP	SEE DIAG
U1	3	80	6'-4"	PEDESTAL	SEE DIAG
U4	3	144	4'-10"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

BILL OF REINFORCEMENT - BENT 14

MARK	SIZE	NO	LENGTH	LOCATION	BENDING
A1	11	8	49'-8"	CAP	STRAIGHT
A2	11	8	33'-8"	CAP	STRAIGHT
B1	11	8	40'-5"	CAP	STRAIGHT
B2	11	8	42'-10"	CAP	STRAIGHT
C	6	86	6'-6"	CAP	SEE DIAG
DS1	11	210	45'-9"	DRILLED SHAFT	STRAIGHT
DS2	11	70	18'-5"	COLUMN	STRAIGHT
F	5	20	39'-6"	CAP	STRAIGHT
FE1	5	10	7'-0½"	CAP	SEE DIAG
FE2	5	12	6'-6½"	CAP	SEE DIAG
H	5	100	11'-5"	COLUMN	SEE DIAG
HS	5	305	11'-5"	DRILLED SHAFT	SEE DIAG
K	4	40	1'-8"	PEDESTAL	STRAIGHT
S	6	172	14'-2"	CAP	SEE DIAG
U1	3	44	6'-4"	PEDESTAL	SEE DIAG
U2	3	143	4'-1"	PEDESTAL	SEE DIAG
U3	3	16	7'-1"	PEDESTAL	SEE DIAG



BAR BENDING DIAGRAM

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

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

PLAN SUBMITTAL	BIN(S)
	021828
90%	COUNTY(S)
	MOBILE

DESIGNER: E. LAGEMANN DATE:

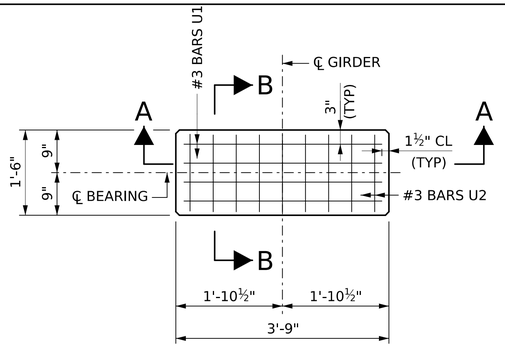
BRIDGE SHEET NO. 65 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BENTS BILL OF REINFORCEMENT (2)

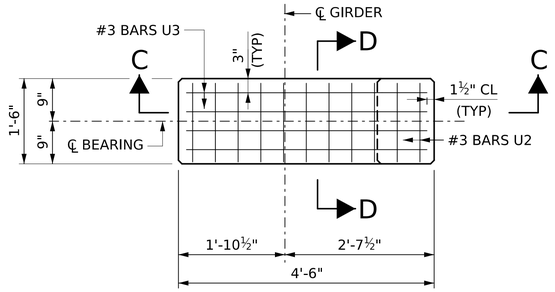
MRB-S01-BR-11065.dgn
cade.arras
6:39:49 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11066

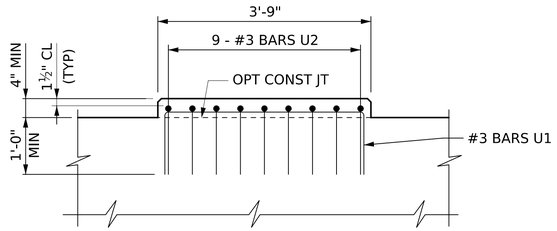
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



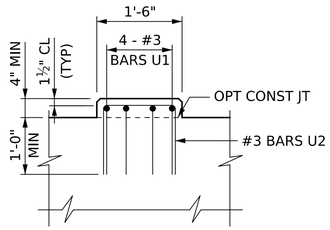
PD-1
SCALE:¾" = 1'-0"



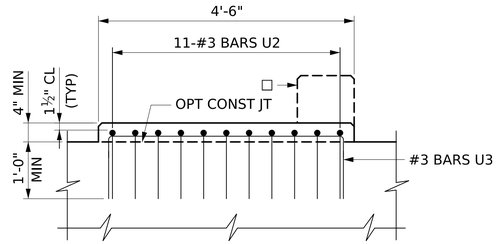
PD-2
SCALE:¾" = 1'-0"



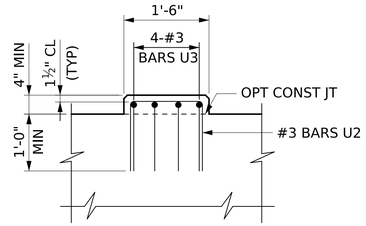
SECTION A-A
SCALE:¾" = 1'-0"



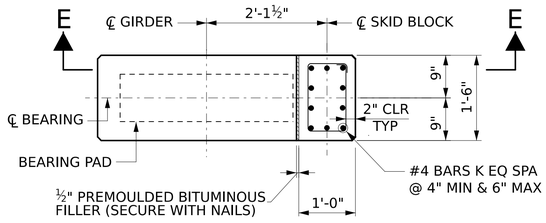
SECTION B-B
SCALE:¾" = 1'-0"



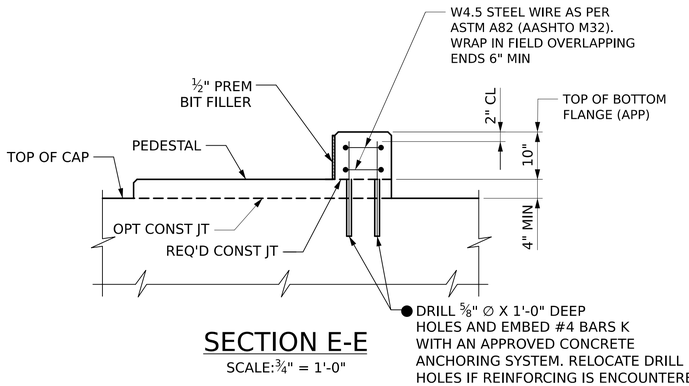
SECTION C-C
SCALE:¾" = 1'-0"



SECTION D-D
SCALE:¾" = 1'-0"



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



SECTION E-E
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 #4 BARS K USING AN APPROVED GROUT.

3. WHEN TYPE 4 BEARINGS ARE USED, #4 BARS K TO BE PLACED AND THE SKIDBLOCK POURED AFTER WELDING AND GALVANIZATION REPAIR OF THE BEARING AND GIRDER SOLE PLATE HAVE BEEN COMPLETED.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE | VOLKERT

PLAN SUBMITTAL
90%

BIN(S): 021828
COUNTY(S): MOBILE

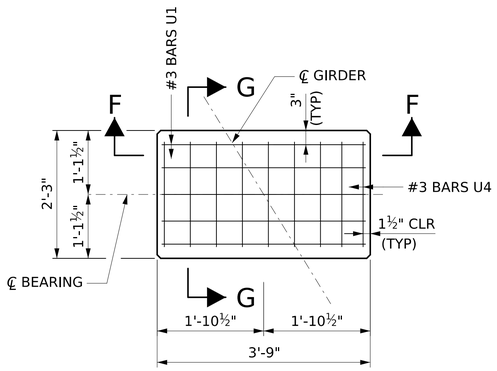
DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 66 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
PEDESTAL DETAILS (1 OF 2)

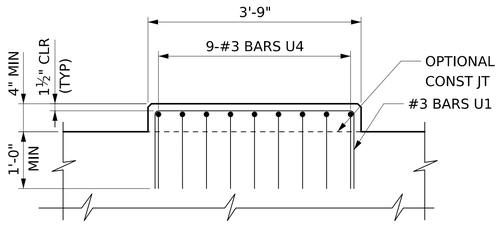
MRB-S01-BR-11066.dgn
cade.arras
6:40:09 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11067



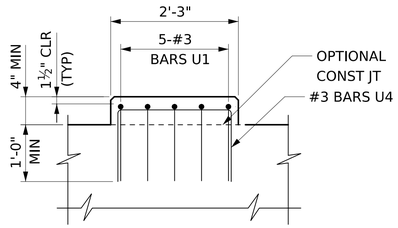
PLAN PD-3

SCALE:¾" = 1'-0"



SECTION F-F

SCALE:¾" = 1'-0"



SECTION G-G

SCALE:¾" = 1'-0"

NOTES:

1. FOR NOTES, SEE PEDESTAL DETAILS (1 OF 2) SHEET.

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	LP	02/02/2024	60% INTERIM SUBMITTAL
B	EL	06/13/2025	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): 021828

COUNTY(S): MOBILE

DESIGNER: E. LEON DATE:

BRIDGE SHEET NO. 67 OF 89

SHEET TITLE

MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
PEDESTAL DETAILS (2 OF 2)

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

MRB-S01-BR-11067.dgn
cade.arras
6:40:28 PM
6/11/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11068

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 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 (%)	TV	- TORVANE
PI	- PLASTIC INDEX (%)	PID	- PHOTOIONIZATION DETECTOR
W	- MOISTURE CONTENT (%)	UC	- UNCONFINED COMPRESSION
DD	- DRY DENSITY (PCF)	ppm	- PARTS PER MILLION
NP	- NON PLASTIC		Water Level at Time Drilling, or as Shown
-200	- PERCENT PASSING NO. 200 SIEVE		Water Level at End of Drilling, or as Shown
PP	- POCKET PENETROMETER (TSF)		Water Level After 24 Hours, or as Shown

KEY TO SYMBOLS MRB - GINT STD US LAB.GDT - 3/24/25 10:08 - C:\USERS\DENISE.VANCE\DESKTOP\MRB 2023\FIELD LOGS\GINT DATABASE\NEW\KEY.WT MRB 2024 1.23.2025.GPJ

KEY TO SYMBOLS

thompson 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 GEOTECH\INGAL GPJ

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE
PE STAMP DATE
QR CODE

Kiewit
KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 68 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
BORING LOGS SPT LEGEND

MRB-S01-BR-11068.dgn
kirk.mcdonald
12:00:49 PM
6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11069

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 1" SHEET REFERENCE 2"

BORING NO: BR10-01

Kiewit

PAGE 1 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.4
Project No: M23-359	Depth (ft): 150.0
Site Location: Mobile County, AL	Northing: 248783.239
Start Date and Time: 12/3/2024 08:20 PM	Easting: 1797850.250
End Date and Time: 12/4/2024 01:36 AM	Boring Location: West Tunnel Interch. Br.

Logged By: KZ	Drill Method: Mud Rotary	Description: Bridge 11
Checked By: JB	Hammer Type: Auto	Alignment: I-10 BUS EB
Drilling Contractor: AM Drill	Energy Ratio (%): 98.4	Station & Offset: 6012+91.5 & 24.0 L
Driller: Dave	Borehole Diameter (in): 4/3	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											
10	20		SILTY SAND (SM, A-2-4(0)), few gravel, reddish brown to tan, moist, medium dense to dense		8.5 10	S-1	0-0-1 (1)		11	26		
15	15				13.5 15	S-2	11-14-11 (25)		67	16		18.4 20.9
20	10		POORLY GRADED SAND with SILT (SP-SM), fine sand, light gray, wet, loose		18.5 20	S-3	14-18-23 (41)		83	19		22.8
25	5				23.5 25	S-4	5-5-5 (10)		61	25		11.6

(Continued Next Page)

BORING NO: BR10-01

Kiewit

PAGE 2 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.4
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 248783.239
Start Date and Time: 12/3/2024 08:20 PM	Easting: 1797850.250
End Date and Time: 12/4/2024 01:36 AM	Boring Location: West Tunnel Interch. Br.

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
30	5		POORLY GRADED SAND with SILT (SP-SM), fine sand, light gray, wet, loose *(continued)*									
35	0		SILTY SAND (SM, A-2-4(0)), dark gray, wet, very loose		28.5 30	S-5	0-0-0 (0)		100	34		25.4
40	-5				33.5 35	S-6	0-0-0 (0)		94	33		
45	-10		FAT CLAY (CH, A-7-6(29)), dark gray, wet, very soft		38.5 40	S-7	0-0-0 (0)		100	79		93.3
50	-15		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, dense		43.5 45	S-8	0-0-0 (0)		100	62	29	88.8
55	-20				48.5 50	S-9	15-20-24 (44)		69	26		7.7
					53.5 55	S-10	11-16-20 (36)		39	24		

(Continued Next Page)

BORING NO: BR10-01

Kiewit

PAGE 3 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.4
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 248783.239
Start Date and Time: 12/3/2024 08:20 PM	Easting: 1797850.250
End Date and Time: 12/4/2024 01:36 AM	Boring Location: West Tunnel Interch. Br.

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
60	-25		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, dense *(continued)*									
65	-30				58.5 60	S-11	10-15-25 (40)		28	19		6.1
70	-35		POORLY GRADED SAND (SP), fine to medium sand, tan, moist, medium dense to dense		63.5 65	S-12	5-13-22 (35)		31	26		
75	-40				68.5 70	S-13	8-9-13 (22)		36	26		5.0
80	-45				73.5 75	S-14	11-13-14 (27)		33	24		
85	-50				78.5 80	S-15	11-12-18 (30)		44	23		3.4
					83.5 85	S-16	6-10-13 (23)		31	25		3.2

(Continued Next Page)

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 69 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

MRB-S01-BR-11069.dgn
kirk.mcdonald
12:01:05 PM
6/18/2025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 — 1" SHEET REFERENCE — 2"

BORING NO: BR10-01 — PAGE 4 OF 6

Kiewit

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.4
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 248783.239
Start Date and Time: 12/3/2024 08:20 PM	Easting: 1797850.250
End Date and Time: 12/4/2024 01:36 AM	Boring Location: West Tunnel Interch. Br.

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 (SP), fine to medium sand, tan, moist, medium dense *(continued)*									
	-55		CLAYEY SAND (SC, A-2-6(0)), trace gravel, orange and light gray, wet, very loose									
90				X	88.5 90	S-17	3-1-0 (1)		56	25	12	14.0
	-60		POORLY GRADED SAND (SP), fine to coarse sand, trace gravel, gray and tan, moist, dense									
95				X	93.5 95	S-18	9-13-19 (32)		42	19		7.7
	-65											
100				X	98.5 100	S-19	11-14-20 (34)		33	21		3.7
	-70											
105			POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, very dense									
	-75											
110				X	108.5 110	S-20	21-26-26 (52)		33	24		5.4
	-80											
115			CLAYEY SAND (SC, A-2-7(3)), dark gray, wet, medium dense									

(Continued Next Page)

BORING NO: BR10-01 — PAGE 5 OF 6

Kiewit

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.4
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 248783.239
Start Date and Time: 12/3/2024 08:20 PM	Easting: 1797850.250
End Date and Time: 12/4/2024 01:36 AM	Boring Location: West Tunnel Interch. Br.

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		CLAYEY SAND (SC, A-2-7(3)), dark gray, wet, medium dense *(continued)*									
120				X	118.5 120	S-21	4-5-6 (11)		22	38	35	26.1
	-90				120 122	T-1			100			
125					122 124	T-2			42			
	-95		CLAYEY SAND (SC, A-6(2)), dark gray, wet, medium dense									
130				X	128.5 130	S-22	2-6-21 (27)	1.25	100	22	12	45.3
	-100											
135			POORLY GRADED SAND (SP), fine sand, tan, wet, medium dense									
	-105											
140				X	138.5 140	S-23	4-8-16 (24)		33	23		
	-110											
145												

(Continued Next Page)

BORING NO: BR10-01 — PAGE 6 OF 6

Kiewit

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.4
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 248783.239
Start Date and Time: 12/3/2024 08:20 PM	Easting: 1797850.250
End Date and Time: 12/4/2024 01:36 AM	Boring Location: West Tunnel Interch. Br.

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 (SP), fine to medium sand, gray and tan, moist, very dense *(continued)*									
150				X	148.5 150	S-24	18-33-32 (65)		33	22		4.6

Borehole Terminated at 150.0 feet.

ALABAMA DEPARTMENT OF TRANSPORTATION	A	EL	06/13/2025	90% FINAL SUBMITTAL
	REV. NO.	BY	DATE	DESCRIPTION OF REVISION

PE STAMP — DATE

PE STAMP — DATE

QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 70 OF 89

SHEET TITLE: MOBILE RIVER BRIDGE; I-10 BUS EB OVER CANAL STREET; TEST BORING RECORD SHEET

MRB-S01-BR-11070.dgn
kirk.mcdonald
12:01:22 PM
6/18/2025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BORING NO: BR10-03

Kiewit

Project: I-10 Mobile River Bridge and Bayway		Elevation (ft): 11.9
Project No: M23-359		Depth (ft): 149.3
Site Location: Mobile County, AL		Northing: 248941.375
Start Date and Time: 1/7/2025 08:30 AM		Easting: 1797842.645
End Date and Time: 1/8/2025 01:00 PM		Boring Location: West Tunnel Interch. Br.
Logged By: DJ	Drill Method: Mud Rotary	Description: Bridge 10
Checked By: JB	Hammer Type: Auto	Alignment: I-10 BUS EB
Drilling Contractor: AM Drill	Energy Ratio (%): 81.5	Station & Offset: 6014+47.0 & 54.0 L
Driller: O. Higginbotham	Borehole Diameter (in): 4	Drilling Water Loss(-)/Gain(+): Not Observed
Drill Equipment: D-50	Casing Diameter (in) & Casing Length (ft): 4 & 30	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
			VAC/BACKFILL									
5	10											
10	5		NO RECOVERY									
	0				13.5	S-1	2-1-1 (2)		0			
15	-5				15							
					18.5	S-2	0-0-1 (1)		0			
20	-10				20							
25			POORLY GRADED SAND with SILT (SP-SM, A-3), fine sand, tan and light gray, wet, loose		23.5 25	S-3	2-3-4 (7)		50	30.2	NP	5.8

(Continued Next Page)

BORING NO: BR10-03

Kiewit

Project: I-10 Mobile River Bridge and Bayway		Elevation (ft): 11.9
Project No: M23-359		Depth (ft): 149.3
Site Location: Mobile County, AL		Northing: 248941.375
Start Date and Time: 1/7/2025 08:30 AM		Easting: 1797842.645
End Date and Time: 1/8/2025 01:00 PM		Boring Location: West Tunnel Interch. Br.

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
	-15		POORLY GRADED SAND with SILT (SP-SM, A-3), fine sand, tan and light gray, wet, loose *(continued)*									
30			POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, brown and tan, moist, dense		28.5 30	S-4	14-24-25 (49)		72	24.1		
	-20		POORLY GRADED SAND (SP, A-1-b), fine to medium sand, tan and light gray, wet, medium dense		33.5 35	S-5	12-15-15 (30)		33	22.5	NP	4.1
35												
	-25		SILTY SAND (SM), fine to medium sand, brown and tan, moist, medium dense to dense		38.5 40	S-6	5-12-16 (28)		50	23.0		
40	-30											
					43.5 45	S-7	9-16-17 (33)		44	24.5		
45	-35		POORLY GRADED SAND (SP, A-3), fine to medium sand, tan and light gray, moist, dense									
					48.5 50	S-8	10-24-16 (40)		67	25.1	NP	4.7
50	-40		SILTY SAND (SM), fine to medium sand, brown and tan, moist, dense									
55					53.5 55	S-9	12-24-24 (48)		50	21.3		

(Continued Next Page)

BORING NO: BR10-03

Kiewit

Project: I-10 Mobile River Bridge and Bayway		Elevation (ft): 11.9
Project No: M23-359		Depth (ft): 149.3
Site Location: Mobile County, AL		Northing: 248941.375
Start Date and Time: 1/7/2025 08:30 AM		Easting: 1797842.645
End Date and Time: 1/8/2025 01:00 PM		Boring Location: West Tunnel Interch. Br.

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
	-45		SILTY SAND (SM), fine to medium sand, brown and tan, moist, dense *(continued)*									
60			POORLY GRADED SAND (SP, A-3), fine to medium sand, trace fine gravel, tan and gray, moist, very dense		58.5 60	S-10	12-25-28 (53)		50	23.1	NP	3.7
	-50		POORLY GRADED SAND with SILT (SP-SM, A-3), fine to medium sand, trace fine gravel, tan and brown and light gray, moist, medium dense to dense		63.5 65	S-11	12-12-11 (23)		56	26.0		
65												
	-55				68.5 70	S-12	12-15-21 (36)		67	22.6	NP	6.1
70	-60											
					73.5 75	S-13	12-21-18 (39)		67	20.3		
75	-65		SILTY SAND (SM), fine to medium sand, tan and brown and red, moist, medium dense to dense									
					78.5 80	S-14	9-9-10 (19)		56	28.6		13.9
80	-70											
85					83.5 85	S-15	6-12-21 (33)		33	27.4	NP	

(Continued Next Page)

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11072

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

BORING NO: BR10-03

Kiewit

PAGE 4 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.9
Project No: M23-359	Depth (ft): 149.3
Site Location: Mobile County, AL	Northing: 248941.375
Start Date and Time: 1/7/2025 08:30 AM	Easting: 1797842.645
End Date and Time: 1/8/2025 01:00 PM	Boring Location: West Tunnel Interch. Br.

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
	-75		SILTY SAND (SM), fine to medium sand, tan and brown and red, moist, medium dense to dense *(continued)*									
90			NO RECOVERY (S-16)	X	88.5 90	S-16	11-12-12 (24)		0			
	-80		FAT CLAY (CH, A-7-6(62)), gray, moist, very stiff									
95				X	93.5 95	S-17	7-7-10 (17)	1.5	72	43.3	58	94.4
	-85		FAT CLAY (CH), gray, moist, very stiff									
100				X	98.5 100	S-18	6-9-9 (18)	1.0	100	49.9	65	99.0
	-90											
105			SILTY SAND (SM), fine to medium sand, gray, moist, dense									
	-95											
110				X	108.5 110	S-19	10-20-16 (36)		39	22.7		
	-100											
115												

(Continued Next Page)

BORING NO: BR10-03

Kiewit

PAGE 5 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.9
Project No: M23-359	Depth (ft): 149.3
Site Location: Mobile County, AL	Northing: 248941.375
Start Date and Time: 1/7/2025 08:30 AM	Easting: 1797842.645
End Date and Time: 1/8/2025 01:00 PM	Boring Location: West Tunnel Interch. Br.

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
	-105		POORLY GRADED SAND with SILT (SP-SM, A-3), fine to medium sand, gray and brown, moist, dense to very dense *(continued)*									
120				X	118.5 120	S-20	18-23-26 (49)		50	24.0		5.2
	-110											
125												
	-115											
130				X	128.5 130	S-21	23-28-34 (62)		50	24.3	NP	6.8
	-120											
135			SILTY SAND (SM), fine to medium sand, tan and gray, moist, dense									
	-125											
140				X	138.5 140	S-22	12-14-20 (34)		56	20.9		
	-130											
145												

(Continued Next Page)

BORING NO: BR10-03

Kiewit

PAGE 6 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.9
Project No: M23-359	Depth (ft): 149.3
Site Location: Mobile County, AL	Northing: 248941.375
Start Date and Time: 1/7/2025 08:30 AM	Easting: 1797842.645
End Date and Time: 1/8/2025 01:00 PM	Boring Location: West Tunnel Interch. Br.

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
	-135		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, gray, moist, very dense *(continued)*									
				X	148.5 149.3	S-23	44-50/4"		50	19.0		5.7
			Borehole Terminated at 149.3 feet.									

ALABAMA DEPARTMENT OF TRANSPORTATION	A	EL	06/13/2025	90% FINAL SUBMITTAL	PE STAMP	PE STAMP	QR CODE	Kiewit	KIEWIT MASSMAN TRAYLOR A JOINT VENTURE		PLAN SUBMITTAL	BIN(S) 021828
												COUNTY(S) MOBILE
	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	DATE	DATE						BRIDGE SHEET NO. 72 OF 89

DESIGNER: _____ DATE: _____

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

MRB-S01-BR-11072.dgn
kirk.mcdonald
12:01:59 PM
6/18/2025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BORING NO: BR10-04

Kiewit

PAGE 1 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.6
Project No: M23-359	Depth (ft): 150.6
Site Location: Mobile County, AL	Northing: 249043.520
Start Date and Time: 2/23/2024 10:00 AM	Easting: 1797849.944
End Date and Time: 2/26/2024 01:44 PM	Boring Location: West Tunnel Interch. Br.

Logged By: NC	Drill Method: Mud Rotary	Description: Bridge 10
Checked By: DM	Hammer Type: Auto	Alignment: I-10 BUS EB
Drilling Contractor: SES	Energy Ratio (%): 82.6	Station & Offset: 6015+49.1 & 61.2 L
Driller: P. Byrd	Borehole Diameter (in): 4	Drilling Water Loss(-)/Gain(+): Not Observed
Drill Equipment: D-50	Casing Diameter (in) & Casing Length (ft): 4 & 15	Water Elev. (ft): 8.6

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	10		VAC/BACKFILL									
5	5				8 9.5	S-1	1-1-1 (2)		44	25		27.8
10	0		CLAYEY SAND (SC), fine sand, gray, wet, very loose		10 11.5	S-2	1-1-1 (2)		72	27		31.5
15	-5		SANDY ELASTIC SILT (MH, A-7-6(14)), gray, moist, soft		15 16.5	S-3	1-1-2 (3)		100	49	22	66.4
20	-10		POORLY GRADED SAND with SILT (SP-SM), fine sand, gray, wet, very loose		20 21.5	S-4	2-2-2 (4)		100	27 28	27	
25			POORLY GRADED SAND (SP), fine to medium sand, tan and white, moist, medium dense to dense									

(Continued Next Page)

BORING NO: BR10-04

Kiewit

PAGE 2 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.6
Project No: M23-359	Depth (ft): 150.6
Site Location: Mobile County, AL	Northing: 249043.520
Start Date and Time: 2/23/2024 10:00 AM	Easting: 1797849.944
End Date and Time: 2/26/2024 01:44 PM	Boring Location: West Tunnel Interch. Br.

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
30	-15		POORLY GRADED SAND (SP), fine to medium sand, tan and white, moist, medium dense to dense *(continued)*		25 26.5	S-5	13-18-23 (41)		56			
35	-20				30 31.5	S-6	12-15-18 (33)		61	24		4.7
40	-25				35 36.5	S-7	10-12-15 (27)		56			
45	-30				40 41.5	S-8	7-5-6 (11)		53			
50	-35				45 46.5	S-9	10-13-20 (33)		64	23		4.1
55	-40				50 51.5	S-10	14-19-25 (44)		61			

(Continued Next Page)

BORING NO: BR10-04

Kiewit

PAGE 3 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.6
Project No: M23-359	Depth (ft): 150.6
Site Location: Mobile County, AL	Northing: 249043.520
Start Date and Time: 2/23/2024 10:00 AM	Easting: 1797849.944
End Date and Time: 2/26/2024 01:44 PM	Boring Location: West Tunnel Interch. Br.

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
60	-45		POORLY GRADED SAND (SP), fine to medium sand, tan and white, moist, medium dense to dense *(continued)*		55 56.5	S-11	13-13-15 (28)		64	23		4.6
65	-50		Includes trace subangular gravel		60 61.5	S-12	15-17-20 (37)		67			
70	-55				65 66.5	S-13	15-16-18 (34)		78	20		
75	-60		CLAYEY SAND (SC, A-6(7)), fine to coarse sand, orange and tan, moist, medium dense to dense POORLY GRADED SAND (SP), fine to coarse sand, tan and orange, moist, medium dense to dense		70 71.5	S-14	12-21-22 (43)		94	22 21	27	45.1
80	-65				75 76.5	S-15	14-14-12 (26)		67			
85	-70		CLAYEY SAND (SC), fine to medium sand, interbedded with high plasticity clay, orange and gray, wet, medium dense		80 81.5	S-16	5-6-9 (15)		94	32		32.8
			POORLY GRADED SAND (SP), fine to medium sand, tan, wet, medium dense									

(Continued Next Page)

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 73 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

MRB-S01-BR-11073.dgn
kirk.mcdonald
12:02:14 PM
6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11074

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

BORING NO: BR10-04

Kiewit

PAGE 4 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.6
Project No: M23-359	Depth (ft): 150.6
Site Location: Mobile County, AL	Northing: 249043.520
Start Date and Time: 2/23/2024 10:00 AM	Easting: 1797849.944
End Date and Time: 2/26/2024 01:44 PM	Boring Location: West Tunnel Interch. Br.

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	S-17	10-10-9 (19)		67	27		
	-75		CLAYEY SAND (SC), fine sand, gray, wet, loose to medium dense		86.5							
90					90	S-18	5-6-4 (10)	0.3	100	32		
	-80		FAT CLAY (CH, A-7-6(31)), gray, moist, stiff		91.5							
95					95	S-19	3-4-5 (9)	0.75	100	43	31	91.2
	-85				96.5							
100					100	S-20	4-4-5 (9)	1	100			
	-90				101.5							
105												
	-95		POORLY GRADED SAND (SP), fine to coarse sand, gray, moist, dense									
110					110	S-21	23-21-27 (48)		53	19		
	-100				111.5							
115												

(Continued Next Page)

BORING NO: BR10-04

Kiewit

PAGE 5 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.6
Project No: M23-359	Depth (ft): 150.6
Site Location: Mobile County, AL	Northing: 249043.520
Start Date and Time: 2/23/2024 10:00 AM	Easting: 1797849.944
End Date and Time: 2/26/2024 01:44 PM	Boring Location: West Tunnel Interch. Br.

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
	-105		POORLY GRADED SAND (SP), fine to coarse sand, gray, moist, dense *(continued)*									
120					120	S-22	19-21-26 (47)		58			
	-110				121.5							
125												
	-115		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, trace subangular gravel, white, moist, very dense									
130					130	S-23	18-29-51 (80)		67	18		7.1
	-120				131.5							
135												
	-125		POORLY GRADED SAND (SP), fine to coarse sand, trace subangular gravel, gray, moist, very dense									
140					140	S-24	25-19-40 (59)		67	19		
	-130				141.5							
145												

(Continued Next Page)

BORING NO: BR10-04

Kiewit

PAGE 6 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 11.6
Project No: M23-359	Depth (ft): 150.6
Site Location: Mobile County, AL	Northing: 249043.520
Start Date and Time: 2/23/2024 10:00 AM	Easting: 1797849.944
End Date and Time: 2/26/2024 01:44 PM	Boring Location: West Tunnel Interch. Br.

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
	-135		POORLY GRADED SAND (SP), fine to coarse sand, trace subangular gravel, gray, moist, very dense *(continued)*									
150					150	S-25	55-100/5"		100			
			Borehole Terminated at 150.6 feet.		150.6							

MRB-S01-BR-11074.dgn
kirk.mcdonald
12:02:30 PM
6/18/2025

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 74 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BORING NO: BR10-08 — Kiewit — PAGE 1 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.7
Project No: M23-359	Depth (ft): 150.0
Site Location: Mobile County, AL	Northing: 249346.017
Start Date and Time: 12/2/2024 09:50 PM	Easting: 1797930.544
End Date and Time: 12/3/2024 11:15 PM	Boring Location: West Tunnel Interch. Br.

Logged By: KZ/CN	Drill Method: Mud Rotary	Description: Bridge 11
Checked By: JB	Hammer Type: Auto	Alignment: I-10 BUS EB
Drilling Contractor: AM Drill	Energy Ratio (%): 83.4	Station & Offset: 6018+59.8 & 24.2 L
Driller: G. Urqoiti	Borehole Diameter (in): 4	Drilling Water Loss(-)/Gain(+): Not Observed
Drill Equipment: D-50	Casing Diameter (in) & Casing Length (ft): 4 & 10	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				8.5							
					10	S-1	1-0-1 (1)		33	20		23.4
10	20		CLAYEY SAND (SC), fine to medium sand, reddish brown, wet, very loose									
					13.5							
15	15				15	S-2	1-1-1 (2)		83	18		13.9
			CLAYEY SAND (SC, A-2-6(0)), fine to medium sand, reddish brown and dark gray, moist, medium dense to dense									
20	10				18.5							
					20	S-3	12-6-17 (23)		61	15	12	25.8
25	5				23.5							
					25	S-4	6-12-19 (31)		72	18		15.1

(Continued Next Page)

BORING NO: BR10-08 — Kiewit — PAGE 2 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.7
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249346.017
Start Date and Time: 12/2/2024 09:50 PM	Easting: 1797930.544
End Date and Time: 12/3/2024 11:15 PM	Boring Location: West Tunnel Interch. Br.

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-2-6(0)), fine to medium sand, reddish brown and dark gray, moist, medium dense to dense *(continued)*									
5			SILTY SAND (SM, A-2-4(0)), with wood fragments, light gray, wet, very loose to loose									
					28.5							
30	0				30	S-5	7-2-2 (4)		100	31	NP	21.4
			ELASTIC SILT (MH), some clay, trace sand, dark gray, wet, very soft									
35	-5				33.5							
					35	S-6	1-0-0 (0)		25	28		
			CLAYEY SAND (SC), fine to medium sand, reddish brown to dark gray, wet, very loose to loose									
40	-10				38.5							
					40	S-7	1-2-2 (4)		25	19		32.1
45	-15		LEAN CLAY with SAND (CL, A-4(5)), dark gray, moist, stiff									
					43.5							
					45	S-8	0-0-2 (2)		100	67		
50	-20				48.5							
					50	S-9	1-5-6 (11)	0.75	100	38	9	74.0
			POORLY GRADED SAND (SP), fine to medium sand, orangish tan, wet, medium dense									
55	-25				53.5							
					55	S-10	12-11-18 (29)		56	23		4.5

(Continued Next Page)

BORING NO: BR10-08 — Kiewit — PAGE 3 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.7
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249346.017
Start Date and Time: 12/2/2024 09:50 PM	Easting: 1797930.544
End Date and Time: 12/3/2024 11:15 PM	Boring Location: West Tunnel Interch. Br.

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 (SP), fine to medium sand, orangish tan, wet, medium dense *(continued)*									
60	-25		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan to light gray, moist, medium dense to dense									
					58.5							
					60	S-11	17-16-15 (31)		50	23		5.6
65	-30				63.5							
					65	S-12	15-11-11 (22)		0	21		
			POORLY GRADED SAND (SP), fine to medium sand, tan, moist, dense									
70	-35				68.5							
					70	S-13	13-14-22 (36)		56	23		4.7
			POORLY GRADED SAND with SILT (SP-SM), fine to coarse sand, tan, moist, medium dense to dense									
75	-40				73.5							
					75	S-14	14-14-20 (34)		44	25		
80	-45				78.5							
					80	S-15	19-14-22 (36)		50	24		7.2
85	-50				83.5							
					85	S-16	7-5-9 (14)		39	21		5.2

(Continued Next Page)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP — DATE

PE STAMP — DATE

QR CODE

Kiewit

KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 75 OF 89

SHEET TITLE: MOBILE RIVER BRIDGE; I-10 BUS EB OVER CANAL STREET; TEST BORING RECORD SHEET

MRB-S01-BR-11075.dgn
kirk.mcdonald
12:02:47 PM
6/18/2025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 — 1" SHEET REFERENCE — 2"

BORING NO: BR10-08 — Kiewit —

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.7
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249346.017
Start Date and Time: 12/2/2024 09:50 PM	Easting: 1797930.544
End Date and Time: 12/3/2024 11:15 PM	Boring Location: West Tunnel Interch. Br.

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 coarse sand, tan, moist, medium dense to dense *(continued)*									
	-55				88.5	S-17	12-13-23 (36)		44	20		
90					90							
	-60		POORLY GRADED SAND (SP), fine to medium sand, tan, wet, medium dense		93.5	S-18	14-13-16 (29)		33	22		4.3
95					95							
	-65		POORLY GRADED SAND with SILT (SP-SM), fine sand, tan, wet, medium dense									
					98.5	S-19	13-10-14 (24)		31	24		5.9
100					100							
	-70											
			POORLY GRADED SAND (SP), fine to medium sand, trace gravel, orangish brown, moist, very dense									
105												
	-75											
					108.5	S-20	23-29-32 (61)		61	18		4.9
110					110							
	-80											
115			ELASTIC SILT (MH, A-7-5(30)), gray, moist, stiff									

(Continued Next Page)

BORING NO: BR10-08 — Kiewit —

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.7
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249346.017
Start Date and Time: 12/2/2024 09:50 PM	Easting: 1797930.544
End Date and Time: 12/3/2024 11:15 PM	Boring Location: West Tunnel Interch. Br.

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
			ELASTIC SILT (MH, A-7-5(30)), gray, moist, stiff *(continued)*									
	-85				118.5	S-21	3-4-6 (10)	1.25	50	40	28	90.7
120					120							
	-90				120	T-1			0			
125			FAT CLAY (CH), dark gray, moist, stiff		122							
	-95											
					128.5	S-22	3-4-5 (9)	1.75	100	57		96.5
130					130							
	-100											
135												
	-105											
					138.5	S-23	3-5-6 (11)	1.25	39	29		85.3
140					140							
	-110											
145												

(Continued Next Page)

BORING NO: BR10-08 — Kiewit —

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.7
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249346.017
Start Date and Time: 12/2/2024 09:50 PM	Easting: 1797930.544
End Date and Time: 12/3/2024 11:15 PM	Boring Location: West Tunnel Interch. Br.

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), white and gray, moist, very dense *(continued)*									
150					148.5	S-24	24-25-27 (52)		83	24		8.0
					150							

Borehole Terminated at 150.0 feet.

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 76 OF 89

SHEET TITLE: MOBILE RIVER BRIDGE I-10 BUS EB OVER CANAL STREET TEST BORING RECORD SHEET

MRB-S01-BR-11076.dgn kirk.mcdonald 12:03:02 PM 6/18/2025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

BORING NO: BR10-10

Kiewit — PAGE 1 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.0
Project No: M23-359	Depth (ft): 150.0
Site Location: Mobile County, AL	Northing: 249462.851
Start Date and Time: 12/5/2024 08:50 AM	Easting: 1797945.494
End Date and Time: 12/6/2024 01:50 AM	Boring Location: West Tunnel Interch. Br.

Logged By: KZ	Drill Method: Mud Auger	Description: Bridge 10
Checked By: JB	Hammer Type: Auto	Alignment: I-10 BUS EB
Drilling Contractor: AM Drill	Energy Ratio (%): 98.4	Station & Offset: 6019+76.3 & 29.4 L
Driller: Dave	Borehole Diameter (in):	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
			VAC/BACKFILL									
	30											
5												
	25											
					8.5	S-1	0-0-1 (1)		19	24		9.9
10			SILTY SAND (SM), fine to medium sand, reddish brown and tan, wet, medium dense		10							
	20											
					13.5	S-2	5-10-11 (21)		61	19		26.9
15					15							
	15		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, brownish tan, moist, very dense									
					18.5	S-3	14-27-36 (63)		44	13		10.8
20					20							
	10		SILTY SAND (SM, A-2-4(0)), fine sand, light gray, wet, medium dense									
					23.5	S-4	6-7-7 (14)		72	23	NP	13.7
25					25							

(Continued Next Page)

BORING NO: BR10-10

Kiewit — PAGE 2 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.0
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249462.851
Start Date and Time: 12/5/2024 08:50 AM	Easting: 1797945.494
End Date and Time: 12/6/2024 01:50 AM	Boring Location: West Tunnel Interch. Br.

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
			SILTY SAND (SM, A-2-4(0)), fine sand, light gray, wet, medium dense *(continued)*									
	5		SILTY SAND (SM, A-4(0)), fine sand, dark gray, wet, very loose									
30					28.5	S-5	0-0-0 (0)		100	35	NP	37.4
	0				30							
35					33.5	S-6	0-0-2 (2)		33	29		31.9
	-5		FAT CLAY with SAND (CH, A-7-6(28)), little sand, trace wood, light gray to blackish gray, moist, medium stiff		35							
40					38.5	S-7	0-1-4 (5)	0.5-0.8	100	64	30	83.8
	-10		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, dense to very dense		40							
45					43.5	S-8	6-13-21 (34)		39	23		9.5
	-15				45							
50					48.5	S-9	14-25-30 (55)		39	21		
	-20				50							
55					53.5	S-10	12-16-20 (36)		28	24		8.2

(Continued Next Page)

BORING NO: BR10-10

Kiewit — PAGE 3 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.0
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249462.851
Start Date and Time: 12/5/2024 08:50 AM	Easting: 1797945.494
End Date and Time: 12/6/2024 01:50 AM	Boring Location: West Tunnel Interch. Br.

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		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, tan, moist, dense to very dense *(continued)*									
60					58.5	S-11	20-23-23 (46)		33	19		
	-30				60							
					63.5	S-12	14-20-26 (46)		39	22		6.4
65					65							
	-35		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, trace pebbles, trace clay, tan, moist, medium dense to dense									
					68.5	S-13	7-12-18 (30)		39	24		
70					70							
	-40		POORLY GRADED SAND (SP), fine to medium sand, tan, moist, dense									
					73.5	S-14	10-14-18 (32)		39	23		3.5
75					75							
	-45											
					78.5	S-15	16-16-16 (32)		36	20		
80					80							
	-50		POORLY GRADED SAND with SILT (SP-SM), fine to coarse sand, few fine gravel, tan, wet, medium dense									
					83.5	S-16	9-11-12 (23)		33	16		6.2
85					85							

(Continued Next Page)

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP — DATE
PE STAMP — DATE
QR CODE

Kiewit — KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 77 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

MRB-S01-BR-11077.dgn
kirk.mcdonald
12:03:18 PM
6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11078

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 1" 2" SHEET REFERENCE

BORING NO: BR10-10

Kiewit

PAGE 4 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.0
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249462.851
Start Date and Time: 12/5/2024 08:50 AM	Easting: 1797945.494
End Date and Time: 12/6/2024 01:50 AM	Boring Location: West Tunnel Interch. Br.

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 coarse sand, few fine gravel, tan, wet, medium dense *(continued)*									
	-55		SILTY SAND (SM), fine to coarse sand, tan, wet, medium dense									
90					88.5 90	S-17	10-12-14 (26)		56	20		
	-60		POORLY GRADED SAND (SP), fine to medium sand, trace fine gravel, tan, moist, very dense									
95					93.5 95	S-18	24-33-36 (69)		47	21		3.7
	-65		POORLY GRADED SAND (SP), fine to medium sand, trace fine gravel, tan, moist, medium dense to dense									
100					98.5 100	S-19	11-14-16 (30)		56	20		
	-70											
105												
	-75											
110					108.5 110	S-20	12-16-20 (36)		67	20		3.1
	-80											
115												

(Continued Next Page)

BORING NO: BR10-10

Kiewit

PAGE 5 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.0
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249462.851
Start Date and Time: 12/5/2024 08:50 AM	Easting: 1797945.494
End Date and Time: 12/6/2024 01:50 AM	Boring Location: West Tunnel Interch. Br.

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		POORLY GRADED SAND (SP), fine to medium sand, tan, wet, medium dense *(continued)*									
120					118.5 120	S-21	11-14-14 (28)		100	19		
	-90		SANDY ELASTIC SILT (MH, A-7-5(20)), trace wood fragments, dark gray, moist, stiff									
125												
	-95											
130					128.5 130	S-22	2-7-8 (15)	1.75-2.0	100	60	30	66.1
	-100				130 132	T-1			100			
					132 134	T-2			42			
135												
	-105		LEAN CLAY with SAND (CL, A-7-6(23)), trace wood fragments, dark gray, moist, stiff									
140					138.5 140	S-23	2-5-6 (11)	2.25	100	32	27	82.1
	-110											
145												

(Continued Next Page)

BORING NO: BR10-10

Kiewit

PAGE 6 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 32.0
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249462.851
Start Date and Time: 12/5/2024 08:50 AM	Easting: 1797945.494
End Date and Time: 12/6/2024 01:50 AM	Boring Location: West Tunnel Interch. Br.

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 (SP), fine to medium sand, grayish tan, wet, medium dense *(continued)*									
150					148.5 150	S-24	6-6-10 (16)		39	21		4.8

Borehole Terminated at 150.0 feet.

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

ALABAMA DEPARTMENT OF TRANSPORTATION

PE STAMP DATE

PE STAMP DATE

QR CODE

Kiewit

KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 78 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

MRB-S01-BR-11078.dgn kirk.mcdonald 12:03:34 PM 6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11079

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

BORING NO: BR10-12

Kiewit

PAGE 1 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 31.1
Project No: M23-359	Depth (ft): 150.0
Site Location: Mobile County, AL	Northing: 249574.845
Start Date and Time: 11/21/2024 08:40 PM	Easting: 1797962.327
End Date and Time: 11/22/2024 03:00 AM	Boring Location: West Tunnel Interch. Br.

Logged By: ER	Drill Method: Mud Rotary	Description: Bridge 10
Checked By: JB	Hammer Type: Auto	Alignment: I-10 BUS EB
Drilling Contractor: SES	Energy Ratio (%): 64.6	Station & Offset: 6020+87.8 & 36.9 L
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				8.5	S-1	3-2-3		72	18		
10	20		CLAYEY SAND (SC, A-2-4(0)), fine to medium sand, orange, moist, loose to medium dense		10		(5)					
15	15				13.5	S-2	9-9-12		100	13	10	24.6
					15		(21)					
20	10		SILTY SAND (SM, A-2-4(0)), fine to medium sand, orange, moist, medium dense		18.5	S-3	9-7-7		89	10	NP	15.4
					20		(14)					
25	5		CLAYEY SAND (SC), fine to coarse sand, with angular gravel, orange, wet, loose		23.5	S-4	3-3-3		39	23		17.8
					25		(6)					

(Continued Next Page)

BORING NO: BR10-12

Kiewit

PAGE 2 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 31.1
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249574.845
Start Date and Time: 11/21/2024 08:40 PM	Easting: 1797962.327
End Date and Time: 11/22/2024 03:00 AM	Boring Location: West Tunnel Interch. Br.

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		CLAYEY SAND (SC), fine to coarse sand, with angular gravel, orange, wet, loose *(continued)*									
30	0		SILTY SAND (SM, A-2-4(0)), fine sand, gray, wet, very loose		28.5	S-5	0-0-0		100	28	NP	32.5
					30		(0)					
			SANDY LEAN CLAY (CL), some silt, gray, moist, soft		33.5	S-6	0-0-2	0.5	100	44		64.5
35	-5				35		(2)					
			SILTY SAND (SM), fine sand, gray, wet, medium dense		38.5	S-7	4-8-10		83	26		30.4
40	-10				40		(18)					
			POORLY GRADED SAND (SP, A-3(0)), fine to medium sand, gray, moist, medium dense to dense		43.5	S-8	10-17-18		83	27		
45	-15				45		(35)					
					48.5	S-9	9-11-8		33	28		4.6
50	-20				50		(19)					
					53.5	S-10	11-12-14		50	23		
55					55		(26)					

(Continued Next Page)

BORING NO: BR10-12

Kiewit

PAGE 3 OF 6

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 31.1
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249574.845
Start Date and Time: 11/21/2024 08:40 PM	Easting: 1797962.327
End Date and Time: 11/22/2024 03:00 AM	Boring Location: West Tunnel Interch. Br.

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		POORLY GRADED SAND (SP, A-3(0)), fine to medium sand, gray, moist, medium dense to dense *(continued)*									
60	-30				58.5	S-11	5-8-9		50	23		4.6
					60		(17)					
					63.5	S-12	12-10-10		61	24	NP	4.4
65	-35				65		(20)					
					68.5	S-13	10-10-17		67	26		
70	-40				70		(27)					
					73.5	S-14	10-18-15		83	23		4.5
75	-45				75		(33)					
					78.5	S-15	8-6-6		56	22		
80	-50				80		(12)					
					83.5	S-16	9-18-25		61	22		4.5
85					85		(43)					

(Continued Next Page)

ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 79 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
TEST BORING RECORD SHEET

MRB-S01-BR-11079.dgn
kirk.mcdonald
12:03:50 PM
6/18/2025

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BORING NO: BR10-12 — PAGE 4 OF 6 — Kiewit

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 31.1
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249574.845
Start Date and Time: 11/21/2024 08:40 PM	Easting: 1797962.327
End Date and Time: 11/22/2024 03:00 AM	Boring Location: West Tunnel Interch. Br.

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-3(0)), fine to medium sand, gray, moist, medium dense to dense *(continued)*									
90				X	88.5 90	S-17	10-8-10 (18)		83	22		
	-60		POORLY GRADED SAND with SILT (SP-SM), fine to medium sand, gray, moist, medium dense to dense									
95				X	93.5 95	S-18	9-10-13 (23)		33	23		5.4
	-65											
100				X	98.5 100	S-19	11-14-19 (33)		44	22		
	-70											
105			POORLY GRADED SAND (SP), fine sand, gray, moist, dense									
	-75											
110				X	108.5 110	S-20	10-20-18 (38)		44	22		4.7
	-80											
115												

(Continued Next Page)

BORING NO: BR10-12 — PAGE 5 OF 6 — Kiewit

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 31.1
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249574.845
Start Date and Time: 11/21/2024 08:40 PM	Easting: 1797962.327
End Date and Time: 11/22/2024 03:00 AM	Boring Location: West Tunnel Interch. Br.

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		FAT CLAY with SAND (CH, A-7-5(30)), gray, moist, medium stiff *(continued)*									
120				X	118.5 120	S-21	3-3-4 (7)	1.5	100	39	32	83.5
	-90		ELASTIC SILT (MH, A-7-5(24)), gray, moist, very stiff									
125												
	-95											
130				X	128.5 130	S-22	12-9-8 (17)	2.0	78	47	23	86.9
	-100											
135			SILTY SAND (SM), fine sand, gray, wet, loose									
	-105											
140				X	138.5 140	S-23	6-5-4 (9)		72	34		39.7
	-110											
145			SILTY SAND (SM), fine sand, gray, moist, very dense									

(Continued Next Page)

BORING NO: BR10-12 — PAGE 6 OF 6 — Kiewit

Project: I-10 Mobile River Bridge and Bayway	Elevation (ft): 31.1
Project No: M23-359	Depth (ft): 150
Site Location: Mobile County, AL	Northing: 249574.845
Start Date and Time: 11/21/2024 08:40 PM	Easting: 1797962.327
End Date and Time: 11/22/2024 03:00 AM	Boring Location: West Tunnel Interch. Br.

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		SILTY SAND (SM), fine sand, gray, moist, very dense *(continued)*									
150				X	148.5 150	S-24	38-25-31 (56)		78	19		

Borehole Terminated at 150.0 feet.

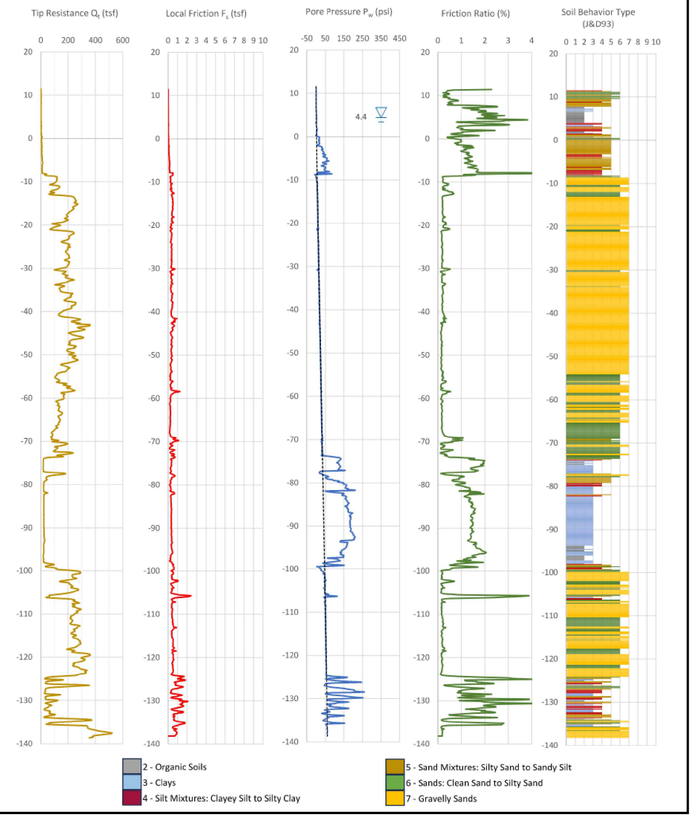
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11081

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" 0 SHEET REFERENCE

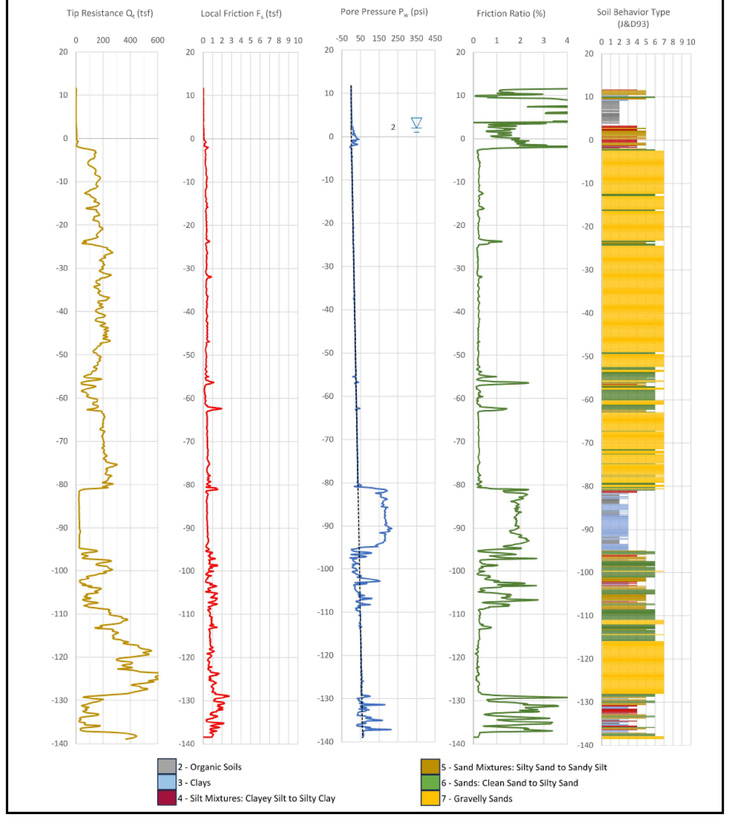
CONE PENETROMETER TEST LOG
BR10-02

SOUNDING: BR10-02 Easting: 1797818 Depth: **150.3** ft Elev.: **11.6** ft
PROJECT: Mobile River Bridge Northing: 248890 Note: 30ft Of Casing
DATE: 11/12/2024 Operator: BRANDON GREEN



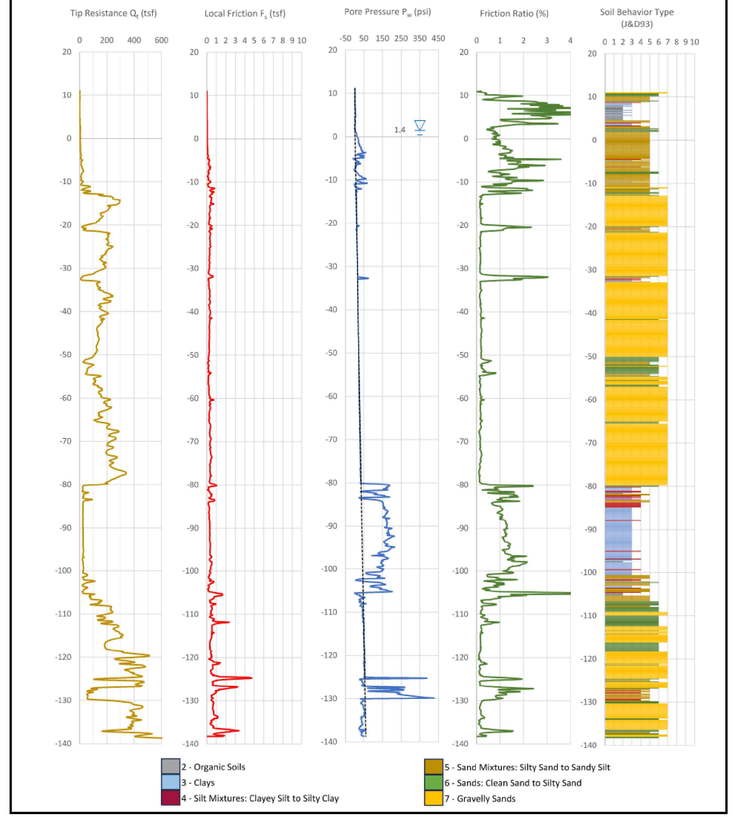
CONE PENETROMETER TEST LOG
BR10-05

SOUNDING: BR10-05 Easting: 1797893 Depth: **150.8** ft Elev.: **11.8** ft
PROJECT: Mobile River Bridge Northing: 249136 Note: 30ft Of Casing
DATE: 11/13/2024 Operator: BRANDON GREEN



CONE PENETROMETER TEST LOG
BR10-06

SOUNDING: BR10-06 Easting: 1797890 Depth: **149.9** ft Elev.: **11.2** ft
PROJECT: Mobile River Bridge Northing: 249261 Note: 30ft Of Casing
DATE: 11/12/2024 Operator: BRANDON GREEN



ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 81 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
CPT RECORD SHEET

MRB-S01-BR-11081.dgn
kirk.mcdonald
2:42:46 PM
6/18/2025

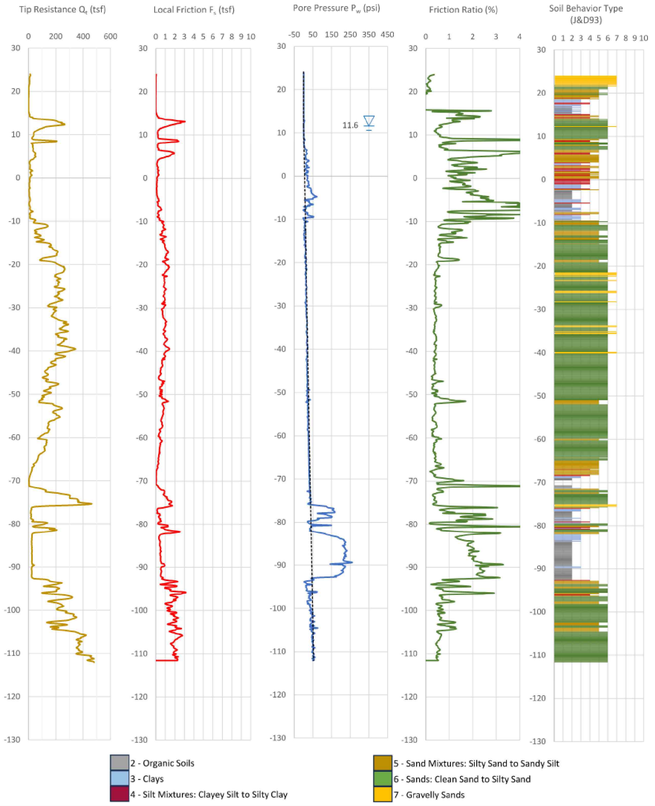
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11082

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0

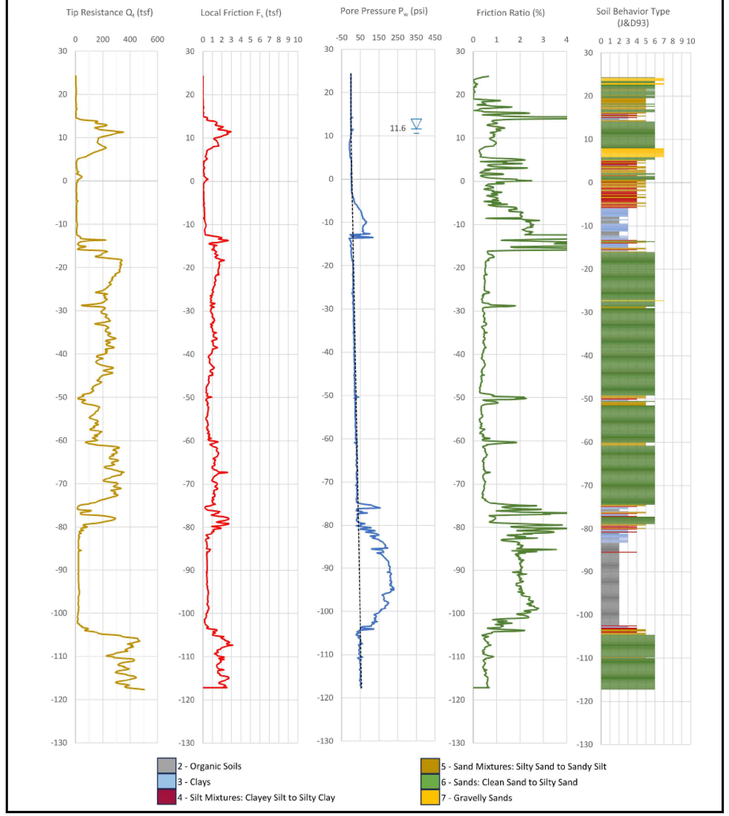
CONE PENETROMETER TEST LOG
BR10-21

SOUNDING: BR10-21 Easting: 1798093 Depth: **136.2** ft Elev.: **24.1** ft
PROJECT: Mobile River Bridge Northing: 249902 Note: Refusal: Rod-buckling.
DATE: 2/1/2024 Operator: D. Hines



CONE PENETROMETER TEST LOG
BR10-24

SOUNDING: BR10-24 Easting: 1798107 Depth: **142.1** ft Elev.: **24.4** ft
PROJECT: Mobile River Bridge Northing: 250009 Note: Refusal: R0d-buckling.
DATE: 2/1/2024 Operator: D. Hines



ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL

BIN(S): 021828
COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 82 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
CPT RECORD SHEET

MRB-S01-BR-11082.dgn
kirk.mcdonald
2:43:00 PM
6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11083

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-11	**Boring Location:**	141+91.2	**Offset:**	LT 7.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	11.8 ft.	**Northing:**	249086.98	**Easting:**	1797872.95	**Date Started:**	9/22/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/24/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 19.1 ft.	**Delayed:**	8.4 ft.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
0.0		Approximately 3 inches of topsoil.	0.0	SS-1	5	6	9	15
	10.0	Medium dense, dark brown, fine grained, SILTY SAND (SM)	1.5	SS-2	9	12	17	29
5.0		Medium dense, reddish brown and pale brown, fine grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=12.8 %#200=18.1	3.0	SS-3	5	6	5	11
		Medium dense, moist, pale brown, fine grained, POORLY GRADED SAND with SILT (SP-SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=24.6 %#200=10.5	4.5	SS-4	4	4	3	7
	5.0	Loose, wet, gray, fine grained	6.0	SS-5	1	0	0	0
10.0		Very loose, wet, gray, fine grained, SILTY SAND (SM, A-4(0)), LL=NP PL=NP PI=NP NMC=29.3 %#200=36.4	8.5	SS-6	0	0	0	0
	0.0	Very loose						
15.0		Very soft, moist, gray, with trace wood, SANDY LEAN CLAY (CL, A-7-6(14)), LL=46 PL=24 PI=22 NMC=76.4 %#200=69.2	13.5	SS-7	0	0	2	2
	-5.0							
		Undisturbed sample obtained from 18.0 to 20.0 feet. Approximately 12 inches of recovery. Moist, reddish brown, SANDY LEAN CLAY (CL, A-6(6)), LL=33 PL=14 PI=19 NMC=75.4 %#200=50.0	18.0	T-1				
20.0								
	-10.0		23.5	SS-8	12	14	17	31
25.0		Dense, moist, white, fine to medium grained, POORLY GRADED SAND (SP)						
	-15.0							
30.0		Medium dense, moist, white, fine grained, POORLY GRADED SAND (SP, A-3(0)), LL=NP PL=NP PI=NP	28.5	SS-9	9	13	16	29

● 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	

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-11	**Boring Location:**	141+91.2	**Offset:**	LT 7.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	11.8 ft.	**Northing:**	249086.98	**Easting:**	1797872.95	**Date Started:**	9/22/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/24/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 19.1 ft.	**Delayed:**	8.4 ft.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
30.0		NMC=25.0 %#200=4.6						
	-20.0							
		Medium dense	33.5	SS-10	9	12	14	26
35.0								
	-25.0		38.5	SS-11	8	12	18	30
40.0		Medium dense, moist, pale brown, fine to medium grained, POORLY GRADED SAND (SP, A-3(0)), LL=NP PL=NP PI=NP NMC=21.5 %#200=3.5						
	-30.0							
45.0		Dense, pale brown and white	43.5	SS-12	11	14	19	33
	-35.0							
50.0		Medium dense, white	48.5	SS-13	9	13	17	30
	-40.0							
55.0		Drilled through sample depth. Sample not obtained.	53.5	SS-14				
	-45.0							
60.0		Dense, tan	58.5	SS-15	12	20	25	45

● 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	

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-11	**Boring Location:**	141+91.2	**Offset:**	LT 7.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	11.8 ft.	**Northing:**	249086.98	**Easting:**	1797872.95	**Date Started:**	9/22/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/24/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 19.1 ft.	**Delayed:**	8.4 ft.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
60.0								
	-50.0							
65.0		Medium dense, moist, tan, medium to fine grained, with trace gravel, POORLY GRADED SAND with SILT (SP-SM, A-1-b(0)), LL=NP PL=NP PI=NP NMC=20.2 %#200=7.3	63.5	SS-16	6	6	8	14
	-55.0							
70.0		Dense, fine to medium grained	68.5	SS-17	13	18	21	39
	-60.0							
75.0		Medium dense, reddish brown	73.5	SS-18	7	11	12	23
	-65.0							
80.0		Medium dense	78.5	SS-19	12	13	15	28
	-70.0							
85.0		Stiff, moist, gray, FAT CLAY with SAND (CH, A-7-6(34)), LL=60 PL=16 PI=44 NMC=34.9 %#200=77.1	83.5	SS-20	2	6	8	14
	-75.0							
90.0		Undisturbed sample attempted from 88.0 to 90.0 feet. Refusal encountered at 88.0 feet. No Recovery. Dense, moist, reddish brown, fine to medium grained,	88.0	SS-21	20	21	28	49

● 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	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 83 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID TEST BORING RECORD SHEET

MRB-S01-BR-11083.dgn
kirk.mcdonald
12:05:15 PM
6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11084

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-11	**Boring Location:**	141+91.2	**Offset:**	LT 7.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	11.8 ft.	**Northing:**	249086.98	**Easting:**	1797872.95	**Date Started:**	9/22/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/24/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 19.1 ft.	**Delayed:**	8.4 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
90.0		POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=23.6 %#200=9.1								
	-80.0									
		Undisturbed sample obtained from 93.0 to 95.0 feet. Approximately 24 inches of recovery. Stiff, moist, light gray, with few sand, FAT CLAY (CH, A-7-6(36)), LL=59 PL=24 PI=35 NMC=41.9 %#200=92.5		93.0	T-3					
95.0										
	-85.0									
		Firm, moist, light gray, with trace sand, FAT CLAY (CH, A-7-5(86)), LL=110 PL=35 PI=75 NMC=65.9 %#200=95.9		98.5	SS-22	0	0	5	5	● ▲
100.0										
	-90.0									
		Medium dense, moist, dark brown, fine grained, SILTY SAND (SM, A-4(0)), LL=NP PL=NP PI=NP NMC=22.7 %#200=35.8		103.5	SS-23	0	5	14	19	● ○ ▲
105.0										
	-95.0									
		Dense, moist, brown, fine grained, POORLY GRADED SAND with SILT (SP-SM)		108.5	SS-24	12	14	18	32	●
110.0										
	-100.0									
		Dense, moist, brown, fine grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=25.0 %#200=10.1		113.5	SS-25	16	18	25	43	▲ ○ ●
115.0										
	-105.0									
		Dense, moist, reddish brown, fine grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP		118.5	SS-26	7	15	22	37	▲ ○ ●
120.0										

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	

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-11	**Boring Location:**	141+91.2	**Offset:**	LT 7.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	11.8 ft.	**Northing:**	249086.98	**Easting:**	1797872.95	**Date Started:**	9/22/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/24/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 19.1 ft.	**Delayed:**	8.4 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
120.0		NMC=29.6 %#200=24.5								
	-110.0									
		Dense, moist, gray, fine grained, with trace clay, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=26.2 %#200=18.8		123.5	SS-27	9	14	22	36	▲ ○ ●
125.0										
	-115.0									
		Very dense, moist, pale brown, fine grained, POORLY GRADED SAND with SILT (SP-SM)		128.5	SS-28	27	31	38	69	●
130.0										
	-120.0									
		Very dense, moist, gray, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=21.6 %#200=5.1		133.5	SS-29	44	50/3	X	50+	▲ ○ >>●
135.0										
	-125.0									
		Very dense, pale brown		138.5	SS-30	28	50	X	50+	>>●
140.0										
	-130.0									
		Very dense, moist, pale brown, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=20.9 %#200=6.4		143.5	SS-31	20	24	47	71	▲ ○ ●
145.0										
	-135.0									
		Dense		148.5	SS-32	10	7	32	39	●
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	

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-11	**Boring Location:**	141+91.2	**Offset:**	LT 7.3	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	11.8 ft.	**Northing:**	249086.98	**Easting:**	1797872.95	**Date Started:**	9/22/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/24/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 19.1 ft.	**Delayed:**	8.4 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
		Boring Terminated at 150.0 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	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S) 021828

COUNTY(S) MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 84 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID TEST BORING RECORD SHEET

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6/18/2025

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11085

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

0 — 1" SHEET REFERENCE — 2"

RECORD OF TEST BORING

thompson ENGINEERING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-12	**Boring Location:**	1206+11.1	**Offset:**	LT 2.5	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	B.Ellis/C.Tisher
Elev.:	23.8 ft.	**Northing:**	249538.16	**Easting:**	1798051.71	**Date Started:**	9/21/2017
Total Depth:	100.0 ft.	**Soil Depth:**	100.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 44.3 ft.	**Delayed:**	21.1 ft.

Depth (ft)	Elevation (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft.)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value (Field)
90.0									
	-70.0	Dense, moist, tan, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=25.0 %#200=5.0		93.5	SS-22	14	16	18	34
95.0	-75.0	Very dense		98.5	SS-23	15	25	27	52
100.0		Boring Terminated 100.0 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-13	**Boring Location:**	153+01.7	**Offset:**	RT 78.9	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	25.3 ft.	**Northing:**	250156.58	**Easting:**	1798133.78	**Date Started:**	9/19/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 36.3 ft.	**Delayed:**	23.3 ft.

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	25.0	Approximately 3 inches of topsoil.		0.0	SS-1	10	8	8	16
		Medium dense, dry, brown, fine grained, with trace shells, SILTY SAND (SM)		1.5	SS-2	17	16	20	36
5.0	20.0	Dense, dry, red, fine to medium grained, with trace gravel, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=9.2 %#200=24.7		3.0	SS-3	9	10	8	18
		Medium dense, dry, red, fine to medium grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=15.1 %#200=20.6		4.5	SS-4	8	12	20	32
		Dense, dry, red, fine to medium grained, SILTY, CLAYEY SAND (SC-SM)		6.0	SS-5	7	10	15	25
10.0	15.0	Medium dense, moist, red, fine to medium grained, SILTY, CLAYEY SAND (SC-SM, A-2-4(0)), LL=18 PL=13 PI=5 NMC=13.9 %#200=24.5		8.5	SS-6	11	14	10	24
		Medium dense							
15.0	10.0	Asphalt encountered from 13.5 to 15.0 feet. Hard, black		13.5	SS-7	50/5	X	X	100+
		Loose, moist, gray, fine grained, SILTY, CLAYEY SAND (SC-SM)		18.5	SS-8	5	4	3	7
20.0	5.0			23.0	T-1				
		Undisturbed sample could not be obtained from 23.0 to 25.0 feet. No Recovery.							
25.0	0.0	Very loose, wet, gray, fine grained, with wood, SILTY, CLAYEY SAND (SC-SM, A-2-4(0)), LL=24 PL=18 PI=6 NMC=28.6 %#200=28.2		25.0	SS-9	0	1	1	2
		Undisturbed sample obtained from 28.0 to 30.0 feet. Approximately 24 inches of recovery. Moist, dark gray, with trace wood, ELASTIC SILT with		28.0	T-2				
30.0									

● 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-13	**Boring Location:**	153+01.7	**Offset:**	RT 78.9	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	25.3 ft.	**Northing:**	250156.58	**Easting:**	1798133.78	**Date Started:**	9/19/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 36.3 ft.	**Delayed:**	23.3 ft.

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	-5.0	SAND (MH, A-7-5(33)), LL=83 PL=46 PI=37 NMC=98.2 %#200=75.9							
35.0	-10.0	Loose, moist, light gray, fine grained, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=25.9 %#200=28.9		33.5	SS-10	5	4	4	8
40.0	-15.0	Medium dense, moist, reddish brown, fine grained, with trace clay, POORLY GRADED SAND with SILT (SP-SM)		38.5	SS-11	4	9	12	21
45.0	-20.0	Dense		43.5	SS-12	15	17	19	36
50.0	-25.0	Dense, moist, white and brown, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=24.2 %#200=6.6		48.5	SS-13	14	19	22	41
55.0	-30.0	Dense, white		53.5	SS-14	12	14	19	33
60.0		Medium dense		58.5	SS-15	9	12	17	29

● 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	

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ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

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

PLAN SUBMITTAL

BIN(S) 021828
COUNTY(S) MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 85 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID TEST BORING RECORD SHEET

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

SHEET REFERENCE 0 1" 2"

thompson ENGINEERING

RECORD OF TEST BORING

Site Description:	I-10 Mobile River Bridge and Bayway					**County:**	Mobile
Boring No.:	TH-13	**Boring Location:**	153+01.7	**Offset:**	RT 78.9	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	25.3 ft.	**Northing:**	250156.58	**Easting:**	1798133.78	**Date Started:**	9/19/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 36.3 ft.	**Delayed:**	23.3 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
60.0	-35.0									
65.0	-40.0	Dense, moist, white and brown, fine to medium grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=21.9 %#200=6.8		63.5	SS-16	12	21	20	41	
70.0	-45.0	Dense		68.5	SS-17	16	16	22	38	
75.0	-50.0	Medium dense, medium to coarse grained, with trace gravel		73.5	SS-18	12	13	14	27	
80.0	-55.0	Medium dense, moist, tan, fine to medium grained, with trace clay and trace gravel, SILTY SAND (SM, A-2-4(0)), LL=NP PL=NP PI=NP NMC=21.2 %#200=13.5		78.5	SS-19	11	11	16	27	
85.0	-60.0	Dense, white, with trace gravel		83.5	SS-20	16	19	21	40	
90.0		Dense		88.5	SS-21	16	21	19	40	

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-13	**Boring Location:**	153+01.7	**Offset:**	RT 78.9	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	25.3 ft.	**Northing:**	250156.58	**Easting:**	1798133.78	**Date Started:**	9/19/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 36.3 ft.	**Delayed:**	23.3 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
90.0	-65.0									
95.0	-70.0	Dense, moist, pale brown, medium to fine and coarse grained, with few gravel, WELL-GRADED SAND with SILT (SW-SM, A-1-b(0)), LL=NP PL=NP PI=NP NMC=13.8 %#200=5.7		93.5	SS-22	14	18	17	35	
100.0	-75.0	Dense, light reddish brown and brown, fine to medium grained		98.5	SS-23	17	16	27	43	
105.0	-80.0	Stiff, moist, gray and light gray, with trace organics and trace sand, FAT CLAY (CH)		103.5	SS-24	3	4	5	9	
110.0	-85.0	Undisturbed sample obtained from 108.5 to 110.5 feet. Approximately 24 inches of recovery. Stiff, moist, gray, with few sand, FAT CLAY (CH, A-7-6(47)), LL=67 PL=22 PI=45 NMC=40.8 %#200=93.4		108.5	T-3					
115.0	-90.0	Firm, gray, with trace organics and trace sand		113.5	SS-25	2	3	4	7	
120.0		Undisturbed sample obtained from 118.5 to 120.5 feet. Approximately 24 inches of recovery.		118.5	T-4					

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-13	**Boring Location:**	153+01.7	**Offset:**	RT 78.9	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	25.3 ft.	**Northing:**	250156.58	**Easting:**	1798133.78	**Date Started:**	9/19/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**	AASHTO T206 & T207				
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 36.3 ft.	**Delayed:**	23.3 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
120.0	-95.0	Stiff, moist, gray, with little sand, FAT CLAY (CH, A-7-6(32)), LL=54 PL=18 PI=36 NMC=30.4 %#200=86.3								
125.0	-100.0	Loose, wet, bluish gray, fine grained, CLAYEY SAND (SC, A-4(1)), LL=22 PL=13 PI=9 NMC=23.8 %#200=42.1		123.5	SS-26	4	4	6	10	
130.0	-105.0	Very dense, moist, gray, fine grained, POORLY GRADED SAND with SILT (SP-SM)		128.5	SS-27	14	30	50	80	
135.0	-110.0	Very dense, white, fine to medium grained		133.5	SS-28	22	35	41	76	
140.0	-115.0	Very dense		138.5	SS-29	16	22	29	51	
145.0	-120.0	Very dense, moist, tan, medium to fine grained, POORLY GRADED SAND with SILT (SP-SM, A-3(0)), LL=NP PL=NP PI=NP NMC=18.8 %#200=7.6		143.5	SS-30	21	31	42	73	
150.0		Very stiff, moist, gray, with trace sand, FAT CLAY (CH)		148.5	SS-31	5	10	14	24	

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	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S) 021828

COUNTY(S) MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 86 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID TEST BORING RECORD SHEET

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REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11087

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-13	**Boring Location:**	153+01.7	**Offset:**	RT 78.9	**Alignment:**	West Area
ALDOT PE No.:	DPI-0030(005)	**TE Project No.:**	15-1101-0228			**Eng./Geo.:**	C. Tisher
Elev.:	25.3 ft.	**Northing:**	250156.58	**Easting:**	1798133.78	**Date Started:**	9/19/2017
Total Depth:	150.0 ft.	**Soil Depth:**	150.0 ft.	**Core Depth:**	0.0 ft.	**Date Completed:**	9/21/2017
Bore Hole Diameter (in):	4-inch	**AASHTO / ASTM Sampling Methods:**		AASHTO T206 & T207			
Drill Machine:	D50	**Drill Method:**	MR	**Hammer Type:**	Automatic	**Energy Ratio:**	94%
Core Size:	N/A	**Driller:**	Thompson Eng	**Groundwater:**	**TOB** 36.3 ft.	**Delayed:**	23.3 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
		Boring Terminated at 150.0 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	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S) 021828

COUNTY(S) MOBILE

DESIGNER: DATE:

BRIDGE SHEET NO. 87 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID TEST BORING RECORD SHEET

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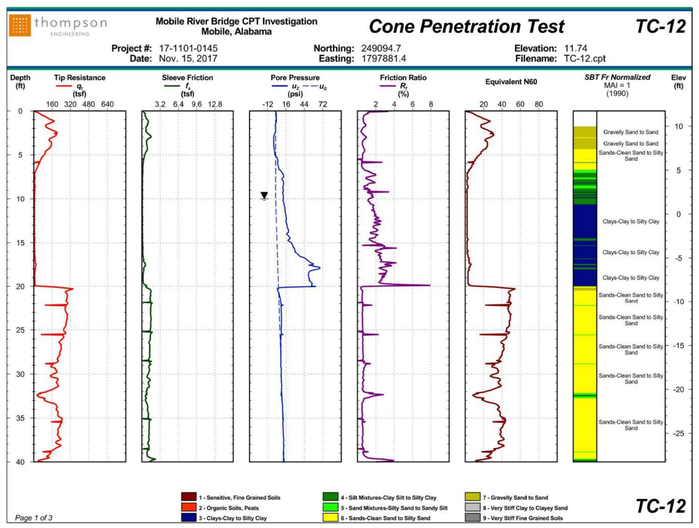
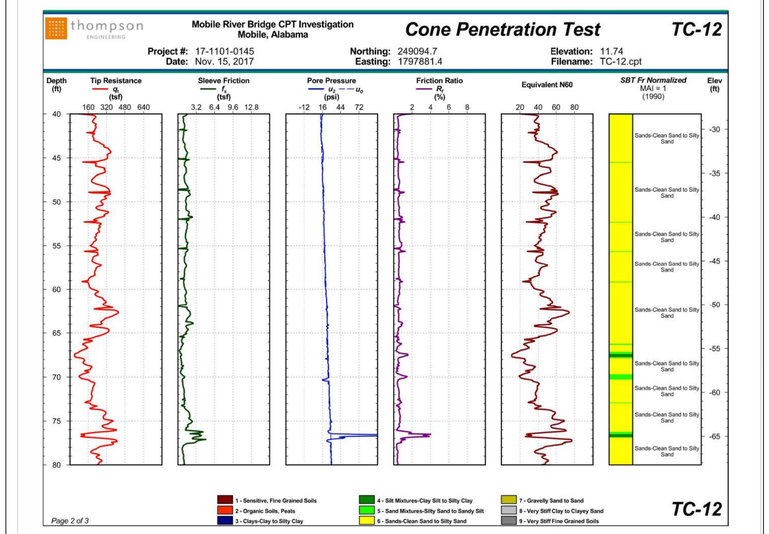
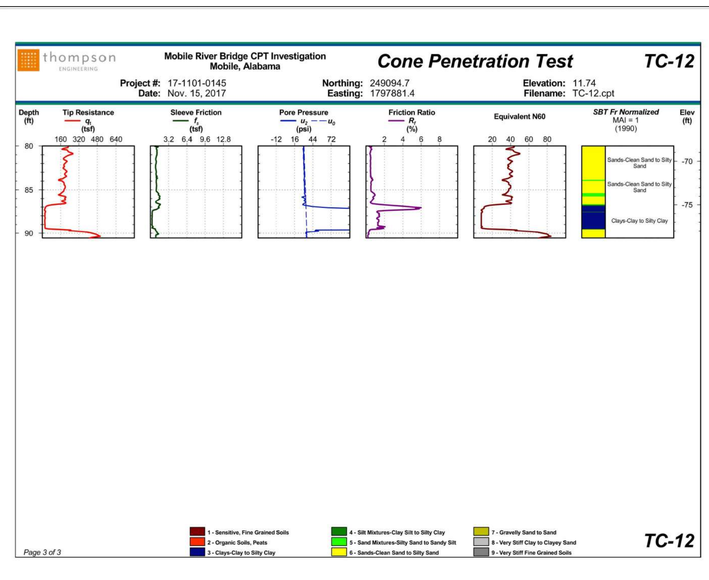
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11088

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

2" 1" SHEET REFERENCE 0







ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S): 021828

COUNTY(S): MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 88 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID CPT RECORD SHEET

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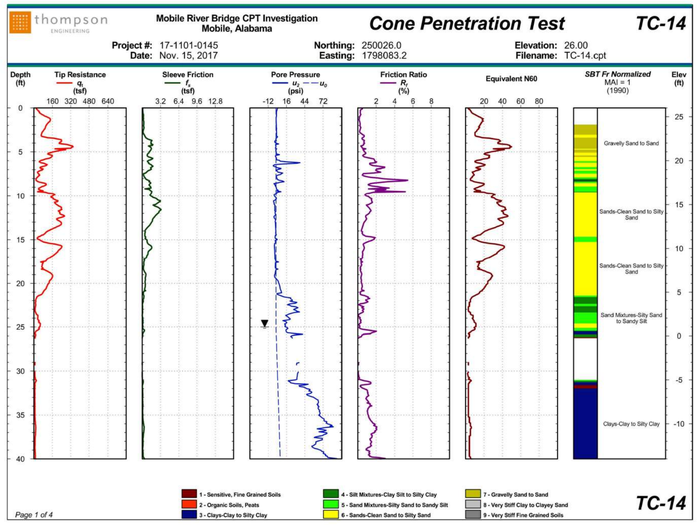
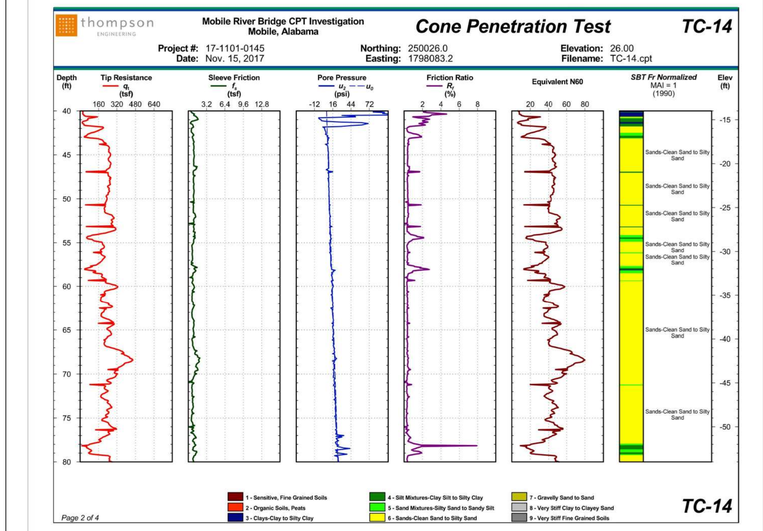
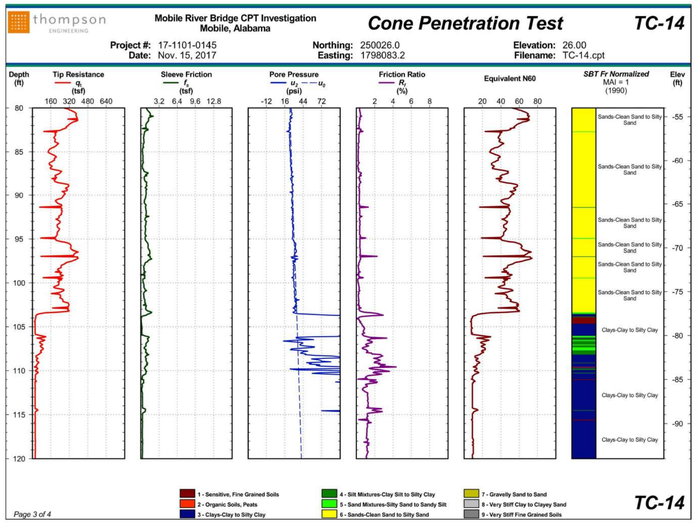
6/18/2025

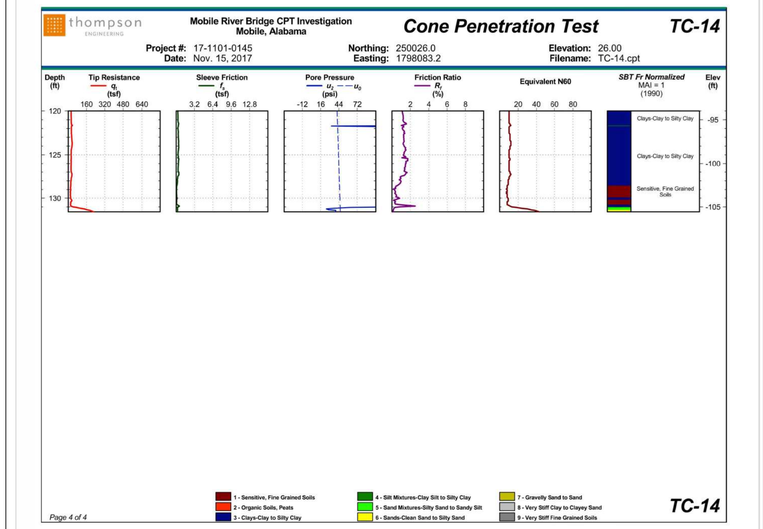
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
INFRA-I010(353)	2025	S01-BR-11089

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION









ALABAMA DEPARTMENT OF TRANSPORTATION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
A	EL	06/13/2025	90% FINAL SUBMITTAL

PE STAMP DATE | PE STAMP DATE | QR CODE

Kiewit | KIEWIT MASSMAN TRAYLOR A JOINT VENTURE

PLAN SUBMITTAL

BIN(S) 021828

COUNTY(S) MOBILE

DESIGNER: _____ DATE: _____

BRIDGE SHEET NO. 89 OF 89

SHEET TITLE
MOBILE RIVER BRIDGE
I-10 BUS EB OVER CANAL STREET
RID CPT RECORD SHEET

MRB-S01-BR-11089.dgn
kirk.mcdonald
12:06:54 PM
6/18/2025