

A.A.D.T - 2024 = 509
V = 55 M.P.H
TRUCK % = 6.2%
FUNCTIONAL CLASS = MINOR COLLECTOR

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED STATE HIGHWAY
MONITEAU COUNTY
CENTRAL DISTRICT

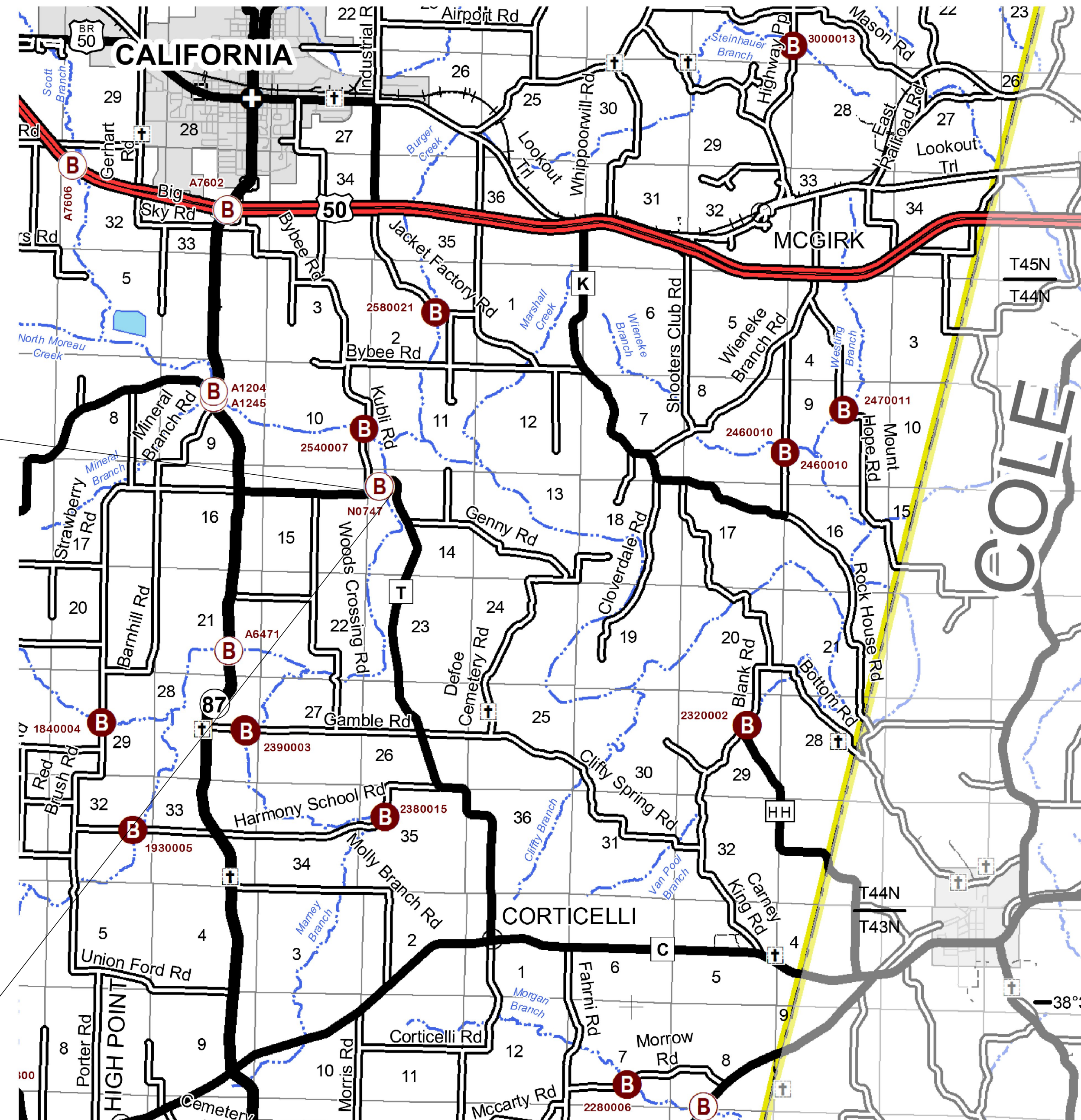


BEGIN PROJECT
LOG MILE 1.340

EXISTING	NEW
- FO	- FO
- OTV	- OTV
- UTV	- UTV
- OT	- OT
- UT	- UT
- OE	- OE
- UE	- UE
- S	- S
- SS	- SS
- G	- G
- W	- W

BENCHMARK

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

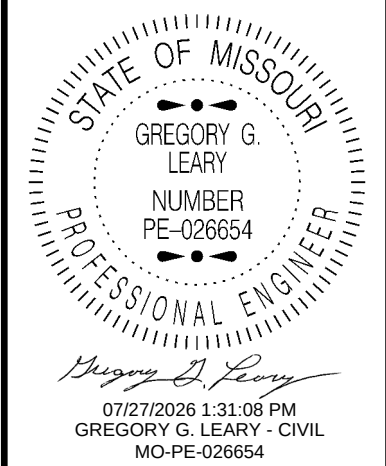


NOT TO SCALE

TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)-----	2
QUANTITIES (QU) (2 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4
TRAFFIC CONTROL SHEETS (TC)-----	5-6

BRIDGE DRAWINGS (B)

N0747----- 1-5



DATE PREPARED
7/27/2026

ROUTE	STATE
T	MO

DISTRICT	SHEET NO.
CD	1

COUNTY
MONITEAU

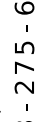
JOB NO.
JCD0229

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

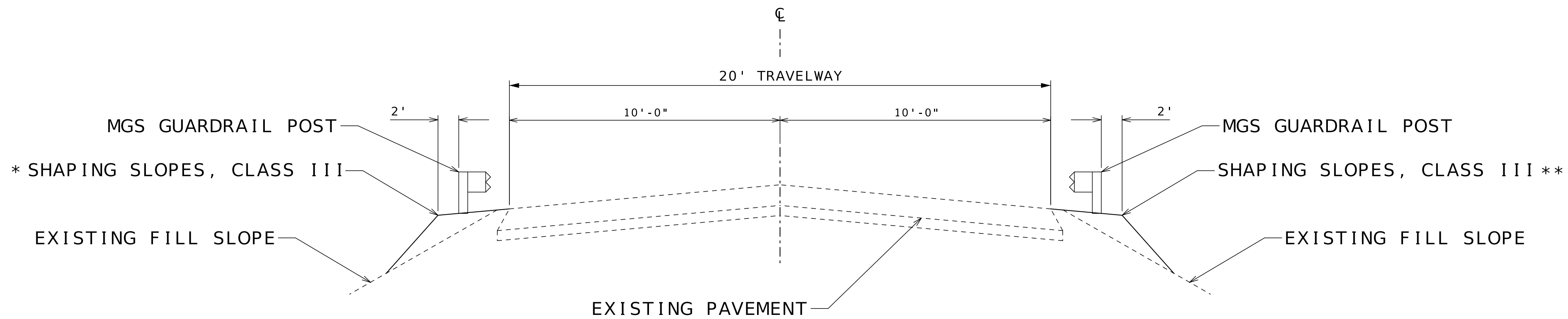

 MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

BEGINNING OF PROJECT	LOG MILE 1.340
END OF PROJECT	LOG MILE 1.430

APPARENT LENGTH	0.090 MILES
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EQUATIONS AND EXCEPTIONS: 0 MILES

TOTAL CORRECTIONS	0 MILES
NET LENGTH OF PROJECT	475.20 FEET
STATE LENGTH	0.090 MILES
ESTIMATED DISTURBED ACRES (FOR INFORMATION ONLY)	0.1 ACRES

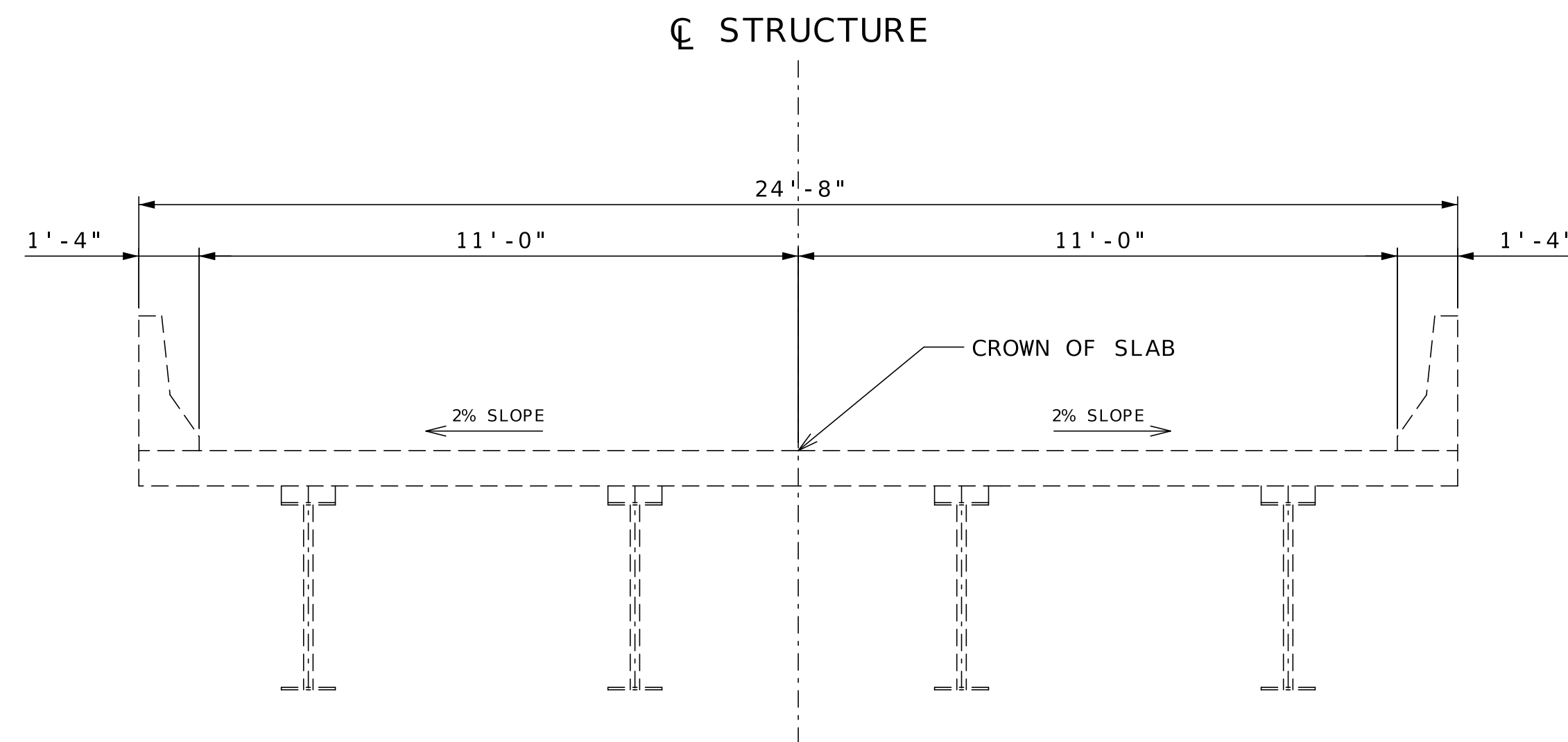


* LOG MILE 1.342 TO LOG MILE 1.350 (LT)
* LOG MILE 1.422 TO LOG MILE 1.435 (LT)

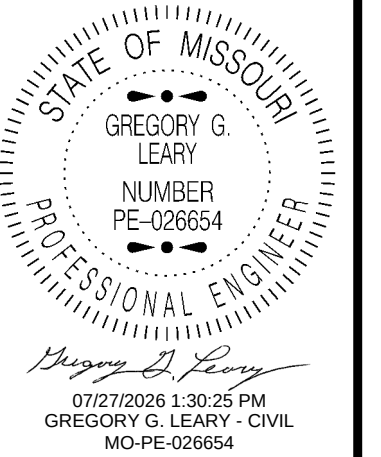
ROUTE T
TYPICAL SECTION

LOG MILE 1.337 TO LOG MILE 1.363
LOG MILE 1.409 TO LOG MILE 1.435

** LOG MILE 1.337 TO LOG MILE 1.350 (RT)
** LOG MILE 1.422 TO LOG MILE 1.430 (RT)



ROUTE T
TYPICAL SECTION
BRIDGE #N0747
LOG MILE 1.363 TO LOG MILE 1.409



DATE PREPARED 7/27/2026	
ROUTE T	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY MONITEAU	
JOB NO. JCD0229	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

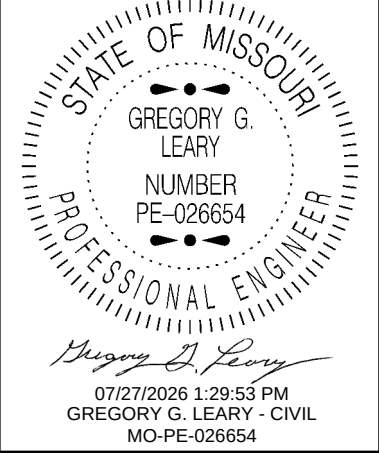
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REMOVAL OF IMPROVEMENTS				
LOG MILE	LOG MILE	LOCATION	QUANTITY	REMARKS
1.350	1.363	ROUTE T - RT	68.75' GUARDRAIL	INCLUDES BRIDGE APPROACH TRANS & CRASHWORTHY END TERMINAL
1.350	1.363	ROUTE T - LT	68.75' GUARDRAIL	INCLUDES BRIDGE APPROACH TRANS & CRASHWORTHY END TERMINAL
1.409	1.422	ROUTE T - LT	68.75' GUARDRAIL	INCLUDES BRIDGE APPROACH TRANS & CRASHWORTHY END TERMINAL
1.409	1.422	ROUTE T - RT	68.75' GUARDRAIL	INCLUDES BRIDGE APPROACH TRANS & CRASHWORTHY END TERMINAL
		TOTAL	1 LUMP SUM	

GUARDRAIL							
LOG MILE	LOG MILE	LOCATION	MGS GUARDRAIL (LF)	MGS BRIDGE APPROACH TRANSITION (REG/NO CURB) (EA)	TYPE A MASH CRASHWORTHY END TERMINAL (EA)	SHAPING SLOPES CLASS III (100 FT)	REMARKS
1.337	1.363	ROUTE T - RT	25	1	1	0.7	EXISTING SHAPING SLOPES (UIP)
1.342	1.363	ROUTE T - LT		1	1	0.4	EXISTING SHAPING SLOPES (UIP)
1.409	1.435	ROUTE T - LT	25	1	1	0.7	EXISTING SHAPING SLOPES (UIP)
1.409	1.430	ROUTE T - RT		1	1	0.4	EXISTING SHAPING SLOPES (UIP)
		TOTAL	50	4	4	2.2	
		USE	50	4	4	3.0	

SEEDING AND MULCHING - COOL SEASON GRASSES					
LOG MILE	LOG MILE	LOCATION	COOL SEASON GRASSES (ACRE)	MULCH (ACRE)	REMARKS
1.337	1.435	ROUTE T	0.10	0.10	USE AS NEEDED
		TOTAL	0.10	0.10	
		USE	1 LUMP SUM		

MOBILIZATION
1 LUMP SUM



DATE PREPARED	
7/27/2026	
ROUTE	STATE
T	MO
DISTRICT	SHEET NO.
CD	3
COUNTY	
MONITEAU	
JOB NO.	
JCD0229	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE						

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGN	SIZE	AREA	QTY	TOTAL AREA	QTY	TOTAL RELOC	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	TOTAL	SIGN	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2025	
	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NO.			IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NO.		NUMBER	QTY	DESCRIPTION	
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00						END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)	
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001		TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)	
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161025		CHANNELIZER (TRIM-LINE)	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161026		CHANNELIZER (VERTICAL PANEL)	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030	10	TYPE 3 MOVEABLE BARRICADE	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033		DIRECTION INDICATOR BARRICADE	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00						SPEED LIMIT XX	6161040		FLASHING ARROW PANEL	
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161070		TUBULAR MARKER	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6161099	2	WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)			TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6162000A		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6162002		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173600D		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6173700B		RELOCATING TEMP. TRAFFIC BARRIER	
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)			RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS	
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6173706		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			TEMPORARY RAISED PAVEMENT MARKER	
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6174000A		TEMPORARY TRAFFIC SIGNALS	
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	6175010A		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00	2	20.00			29	ROAD CLOSED	6175011B		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-2	48X30	10.00	2	20.00				ROAD CLOSED 1 & 5 MILES AHEAD	6175013		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-9	48X48	16.00						LOW SHOULDER	R11-3a	60X30	12.50	2	25.00				LOCAL TRAFFIC ONLY	6175020A		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-11	48X48	16.00						UNEVEN LANES	R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC	6208064A		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3A	60X48	20.00						FINE SIGN	9029400		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-15	48X48	16.00						GROOVED PAVEMENT	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	MISCELLANEOUS SIGNS												
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	48X36	12.00						POINT OF PRESENCE	SUMMARY OF QUANTITIES SHEET 2 OF 2			
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	96X48	32.00						POINT OF PRESENCE				
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE				
W10-1	42RND.	9.62						RAILROAD CROSSING													
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)													
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)													
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)													
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)													
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD													
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD													
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)													
WO16-2	30X24	5.00						XXX FEET (PLAQUE)									</				

BRIDGE N0747

An aerial photograph of a wooded area. A white diagonal line runs from the top left towards the bottom right. Overlaid on this line is the text "APPROX. 60' EXISTING R/W" in black, uppercase letters. The background shows dense trees and foliage in shades of green and brown.

ROUTE T

MGS TYPE A CET 50',
25' MGS GUARDRAIL, &
MGS BRIDGE APPROACH
TRANSITION 37.5'

MGS TYPE A CET 50',
25' MGS GUARDRAIL, &
MGS BRIDGE APPROACH
TRANSITION 37.5'

0.7 (100 FT.)
SHAPING SLOPE
CLASS III

LOG MILE/ 1.422

LOG MILE 1.430

LOG MILE 1.435

1.422 MILE LOG

LOG MILE 1.425

LOG MILE 1.430

0.4 (100 FT.)
SHAPING SLOPE
CLASS III

EXIST SIGN (UIP)

MGS TYPE A CET 50' &
MGS BRIDGE APPROACH
TRANSITION 37.5'

MGS TYPE A CET 50' &
MGS BRIDGE APPROACH
TRANSITION 37.5'

0.4 (100 FT.)
SHAPING SLOPE
CLASS III

LOG/MILE 1.342

LOG MILE 1.346

LOG MILE 1.350

LOG MILE 1.363

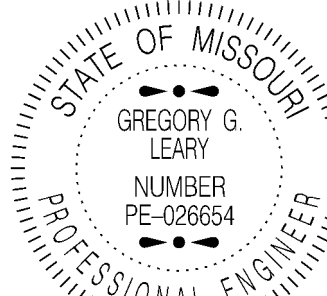
LOG MILE 1.363

LOG MILE 1.350

0.7 (100 FT.)
SHAPING SLOPE
CLASS III

NOT TO SCALE

PLAN SHEET
SHEET 1 OF 1



Gregory G. Leary
07/27/2026 1:30:36 PM
GREGORY G. LEARY - CIVIL
MO-PE-026654

DATE PREPARED
7/27/2026

ROUTE	STATE
87	MO

DISTRICT	SHEET NO
CD	4

COUNTY

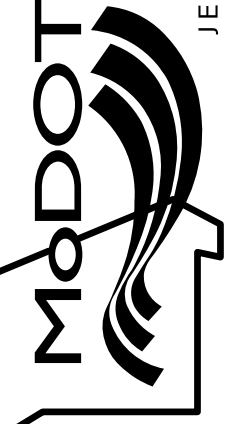
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JOB NO.
LCD0339

CONTRACT ID.

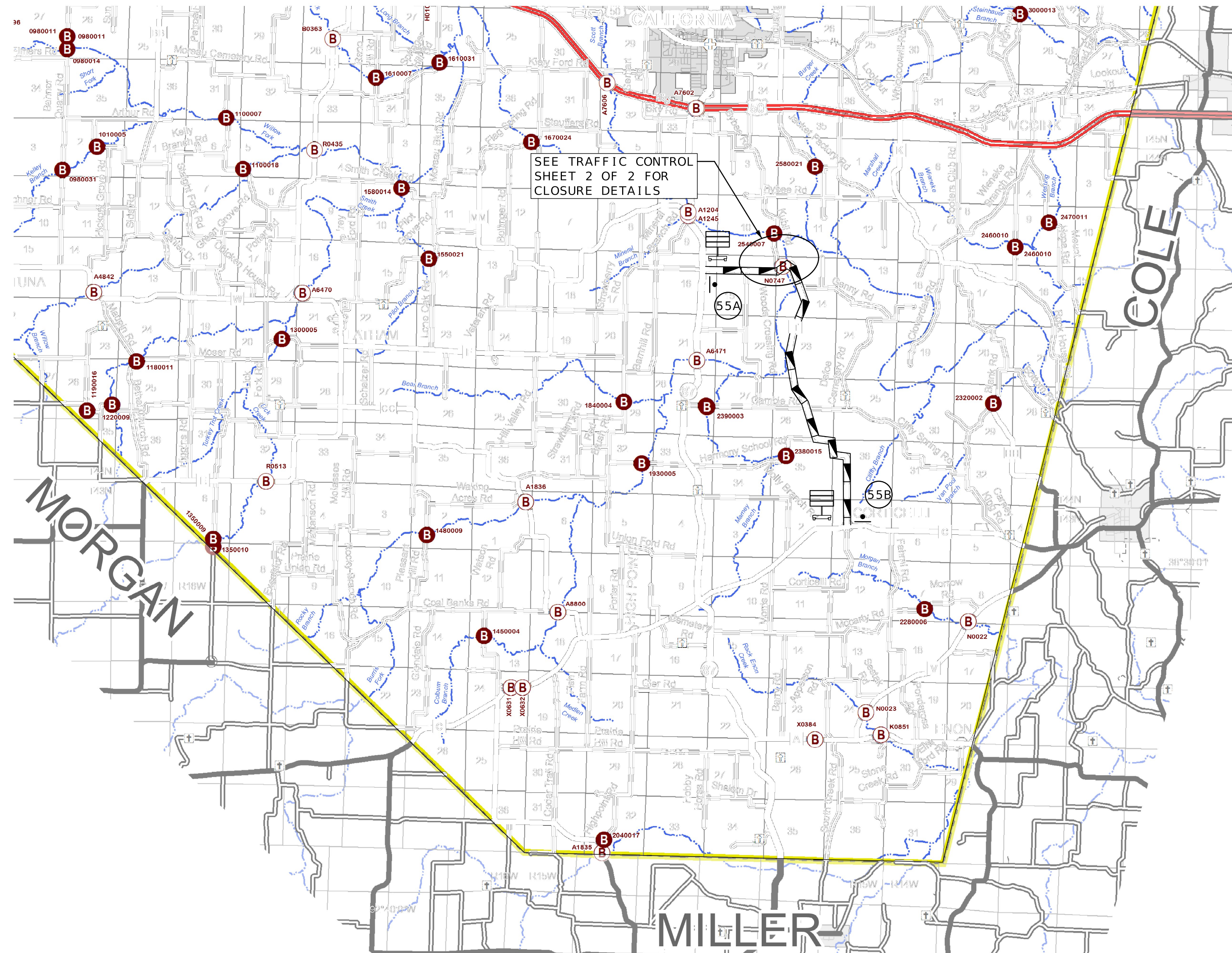
PROJECT NO.

BRIDGE NO.

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COMMISSION

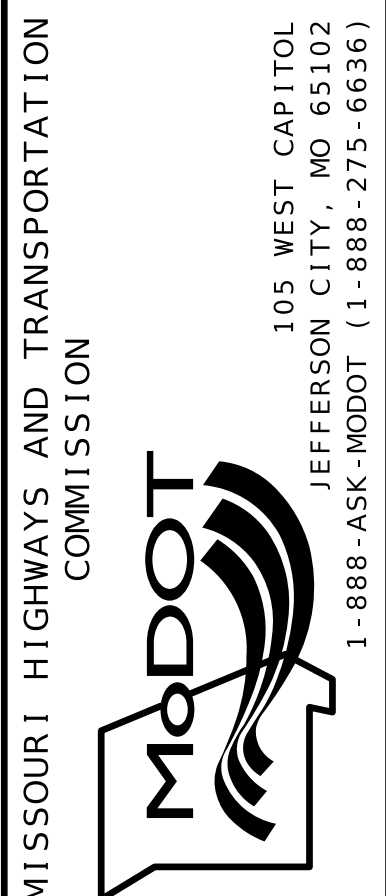
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

- ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.



	SIGN (SINGLE SIDED)
	TYPE III BARRICADE
	CHANGEABLE MESSAGE BOARD
	ROUTE T

TRAFFIC CONTROL
SHEET 1 OF 2



BRIDGE N0747 CLOSURE



NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- E TYPE III BARRICADE
- CHANGEABLE MESSAGE BOARD



WO20-3

20



WO20-3A

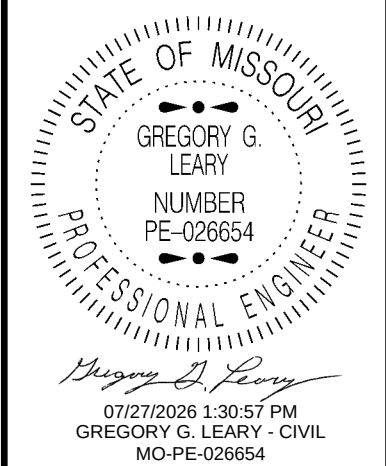
20A



R11-2

29

TRAFFIC CONTROL
SHEET 2 OF 2



DATE PREPARED
7/27/2026

ROUTE STATE
T MO

DISTRICT SHEET NO.
CD 6

COUNTY
MONITEAU

JOB NO.
JCD0229

CONTRACT ID.

PROJECT NO.

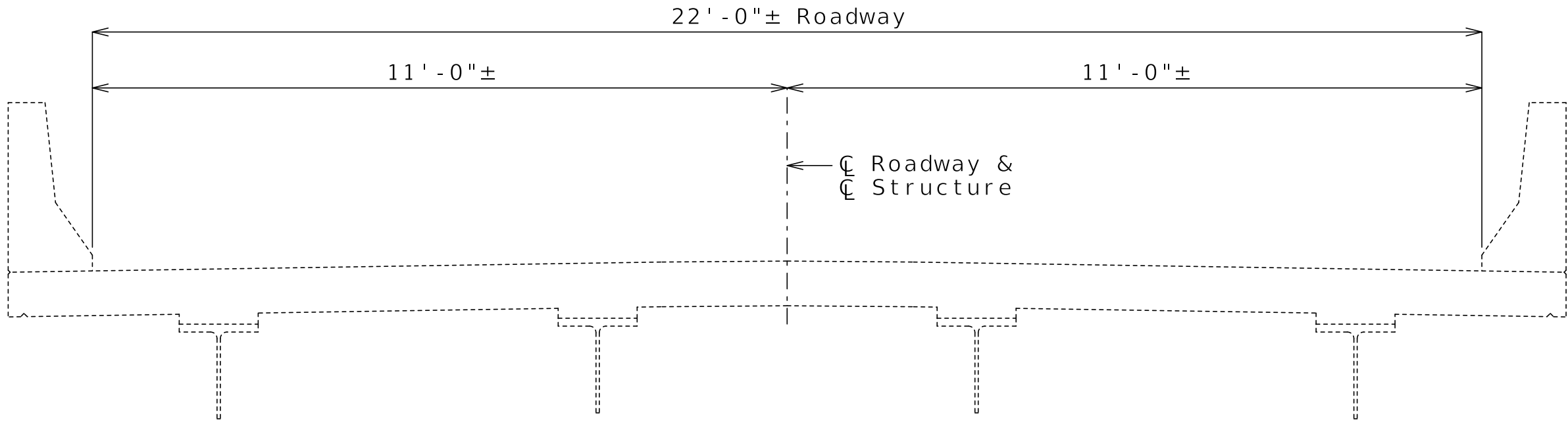
BRIDGE NO.

DATE	DESCRIPTION

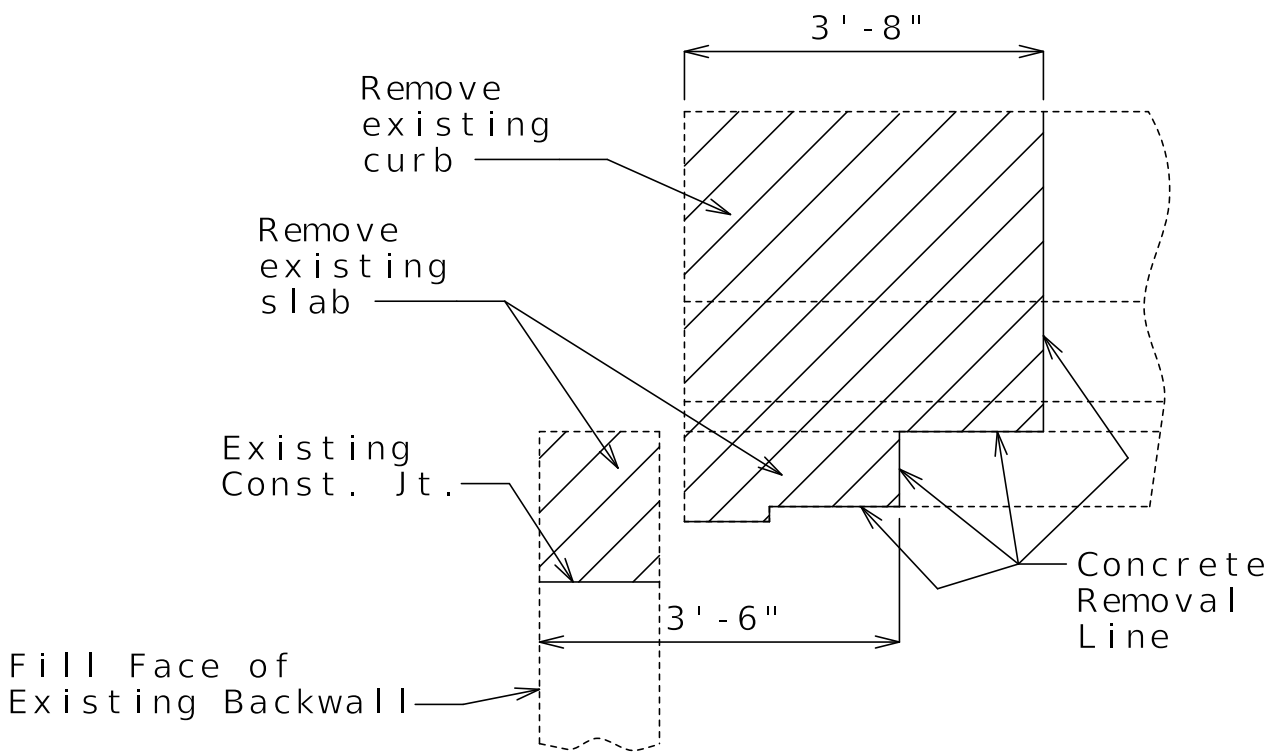
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

U.I.P. AND REHABILITATE EXISTING (75'-90'-75') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS



TYPICAL SECTION THRU SLAB



PART ELEVATION AT
END BENT NO. 1
SHOWING CONCRETE REMOVAL

Notes:

- Cost of removing existing expansion device and slab concrete within the limits shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joints & Adjacent Concrete.
- Concrete for barrier curb replacement shall be Class B-1.
- Payment for curb removal and all new concrete and reinforcement for barrier curb, complete in place, will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb.
- All exposed edges of new barrier curb shall match existing barrier curb.

Estimated Quantities

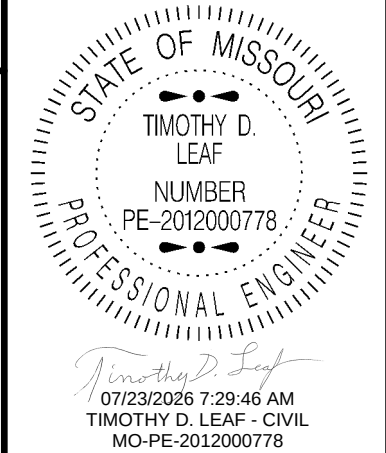
Estimated Quantities		
Item		Total
Removal of Existing Expansion Joint and Adjacent Concrete	linear foot	22
Remove and Replace Barrier	linear foot	8
Class B-2 Concrete	cu. yard	7.4
Substructure Repair (Formed)	sq. foot	60
Reinforcing Steel (Epoxy Coated)	pound	510

General Notes:

- Design Specifications:
2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 7
- Design Loading:
H15-44 (1957), HS20-44 (2002 & New Construction)
- Design Unit Stresses:
Class B-1 Concrete (Barrier) f'c = 4,000 psi
Class B-2 Concrete (Superstructure except Barrier) f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60) fy = 60,000 psi
- Miscellaneous:
Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.
- All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.
- Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.
- The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.
- Traffic Handling:
Structure to be closed during construction. Traffic to be maintained on other routes during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: ROUTE T
OVER BURRIS FORK

ROUTE T FROM ROUTE 87 TO ROUTE C
ABOUT 1.4 MILES EAST OF ROUTE 87
BEGINNING STATION 72+06.00± (Match Existing)



DATE PREPARED
7/23/2026

ROUTE T	STATE MO
DISTRICT BR	SHEET NO. 1

COUNTY
MONITEAU

JOB NO.
JCD0229

CONTRACT ID.

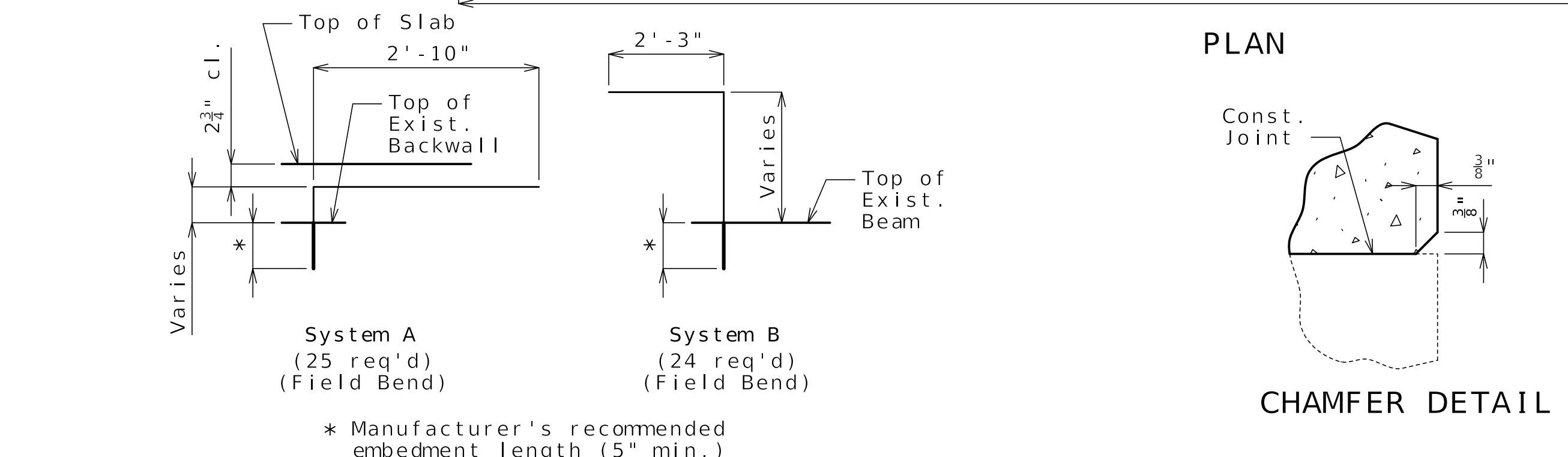
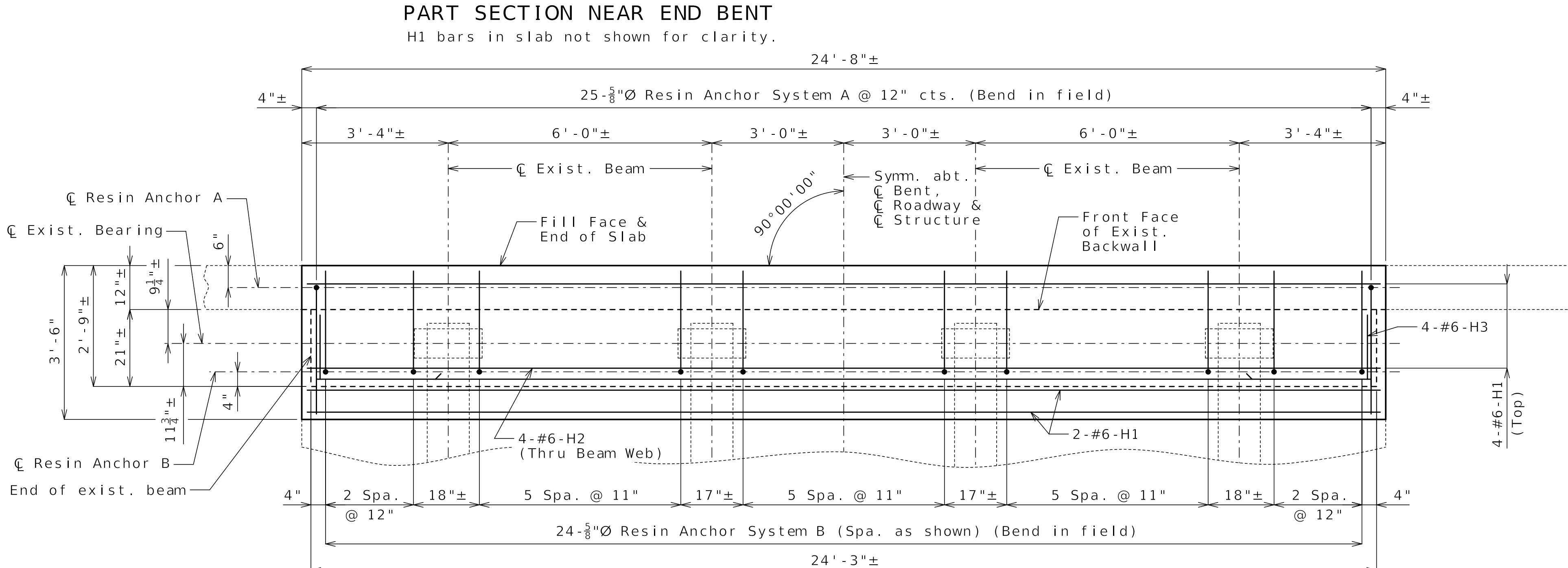
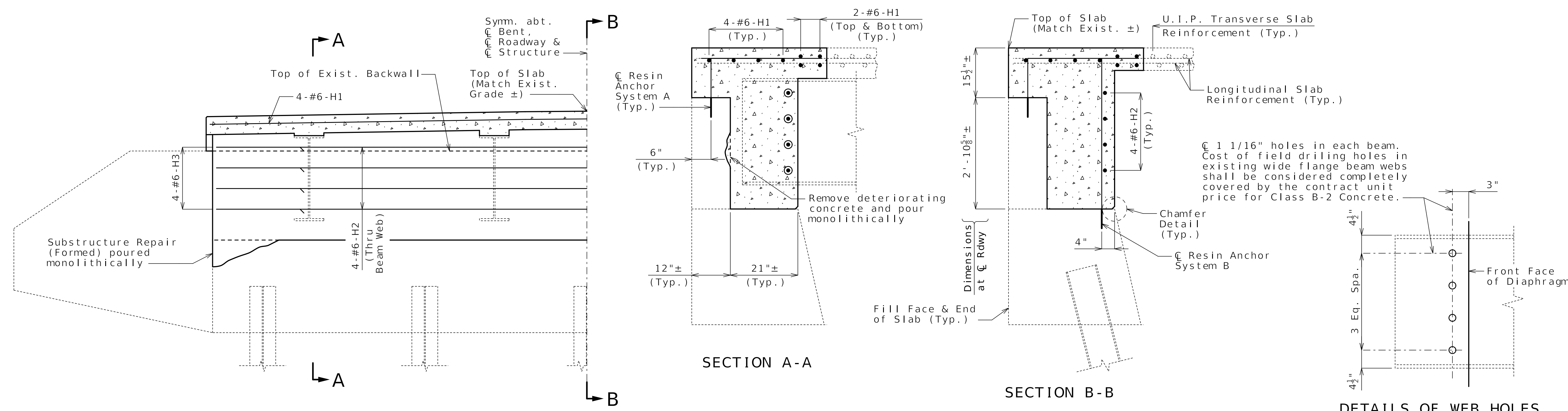
PROJECT NO.

BRIDGE NO.
N07472

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



Notes:

All concrete for end bent diaphragm and slab replacement will be considered completely covered by the contract unit price for Class B-2 Concrete.

The exposed and accessible surfaces of the existing structural steel and bearings that will be encased in concrete shall be cleaned with a minimum of SSPC-SP-3 surface preparation and coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils before concrete is poured. The surface preparation and coating for beams shall extend a minimum of one foot outside the face of the beam encasement. Payment for cleaning and coating steel to be encased will be completely covered by the contract unit price for Class B-2 Concrete.

The #6-H2 bars are segmented for ease of placement through girder web holes. The total bar length for #6-H2 bars shown in Bill of Reinforcing Steel allows for one lap splice with a length of 3'-10". Actual bar segment lengths to be determined by contractor for ease of installing bars. The contractor may use a mechanical bar splice in lieu of a lap splice. When a mechanical bar splice is used, the actual bar segment length will be determined by the contractor to accommodate manufacturer's recommendations for installation and ease of construction. The cost of furnishing and installing the bar splices will be considered completely covered by the contract unit price for Class B-2 Concrete. No adjustment of the quantity of reinforcing steel will be allowed for the use of mechanical bar splices.

Cost of field drilling holes in existing wide flange beam webs will be considered completely covered by the contract unit price for Class B-2 Concrete.

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

Cost of furnishing and installing the resin anchor systems, complete in place, will be considered completely covered by the contract unit price for Class B-2 Concrete.

The minimum embedment depth in concrete with f'c = 4,000 psi for the resin anchor systems shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5".

An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8"Ø threaded rod.

For details of barrier replacement, see Sheet No. 3.

STATE OF MISSOURI
TIMOTHY D. LEAF
NUMBER
PE-2012000778
PROFESSIONAL ENGINEER

DATE PREPARED
7/23/2026

ROUTE
T

DISTRICT
BR

STATE
MO

SHEET NO.
2

COUNTY
MONITEAU

JOB NO.
JCD0229

CONTRACT ID.

PROJECT NO.

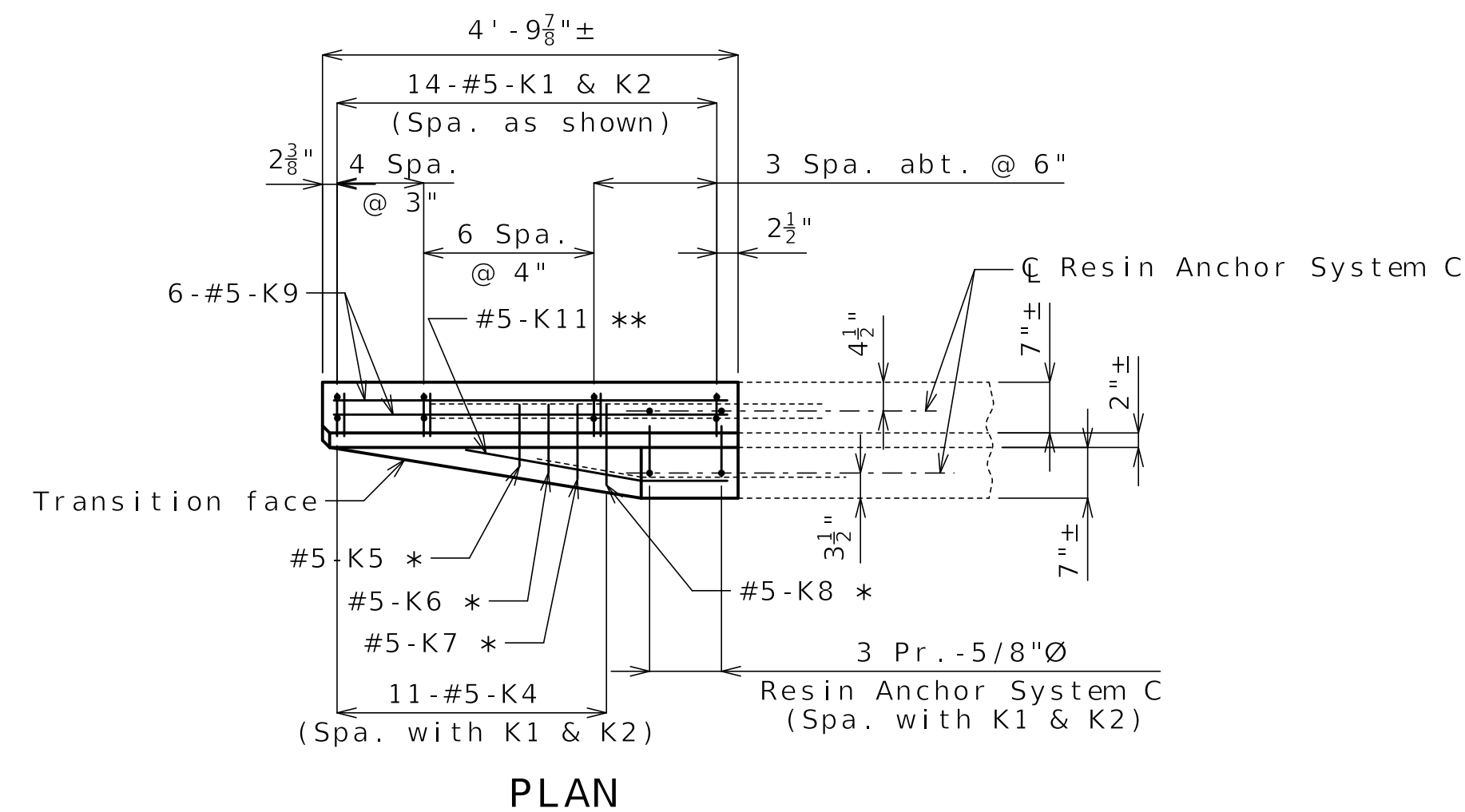
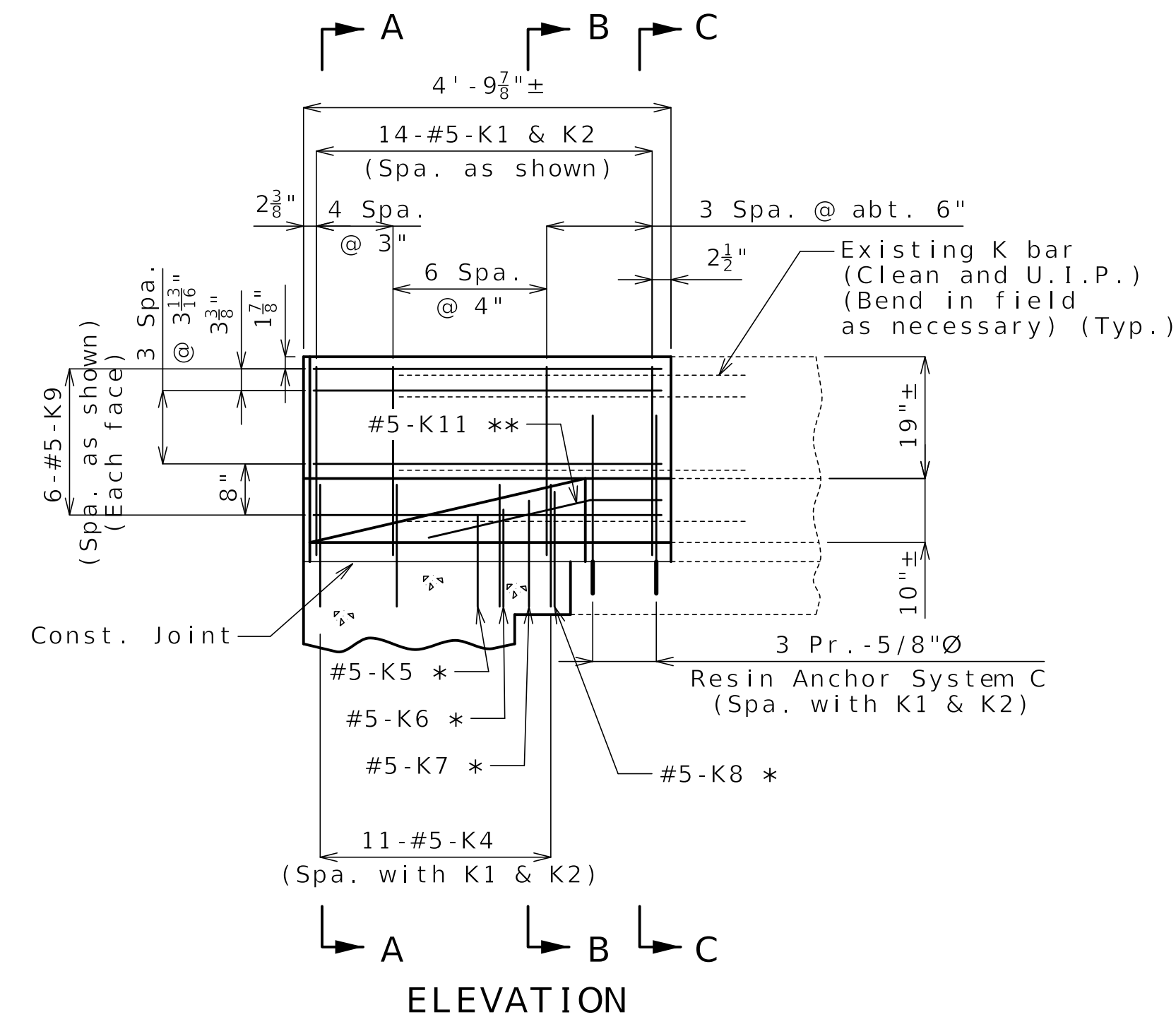
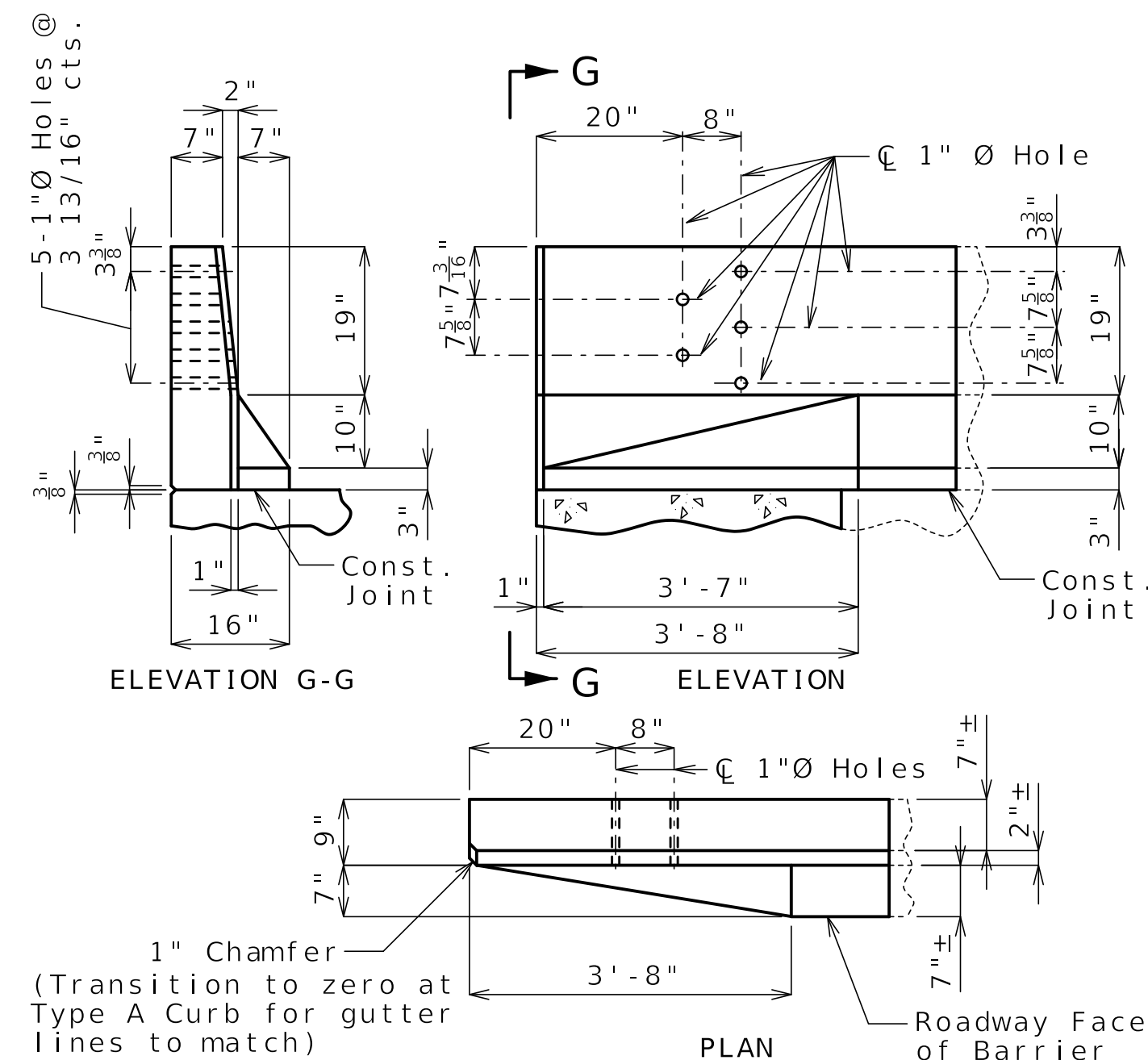
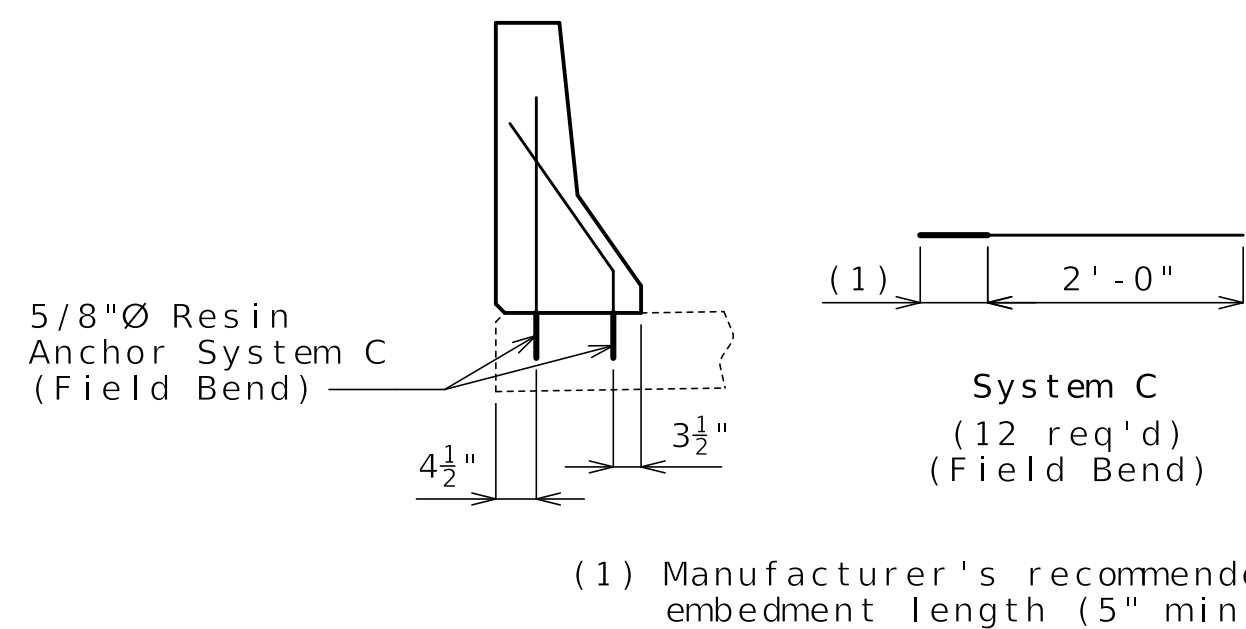
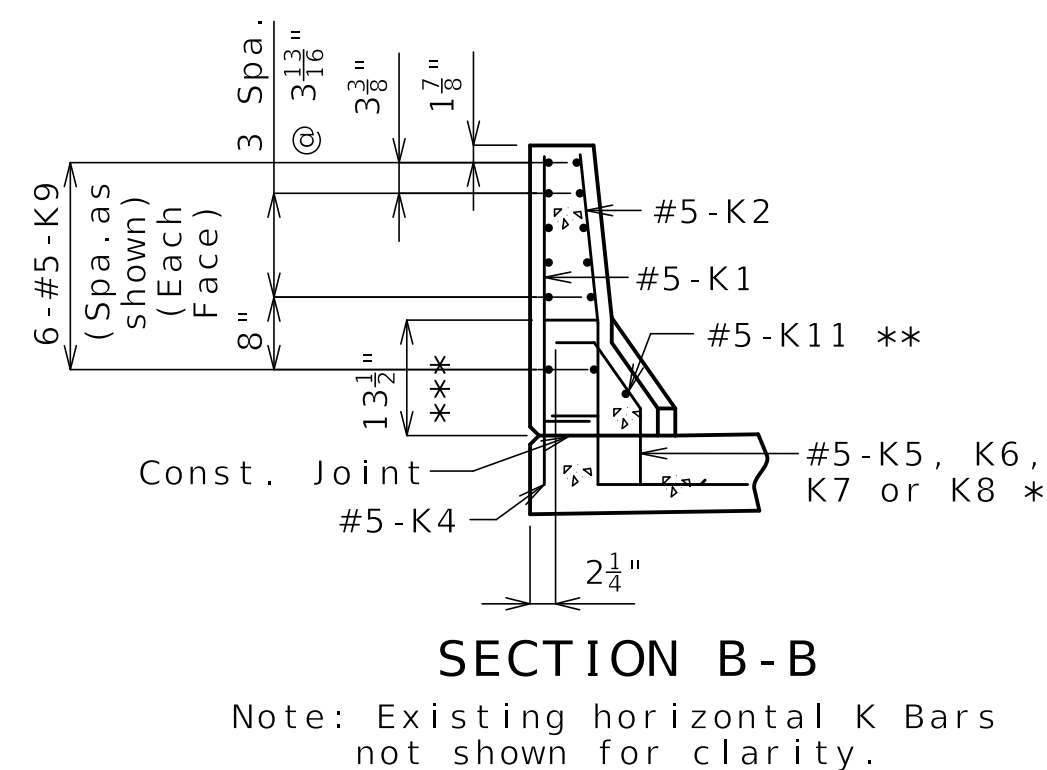
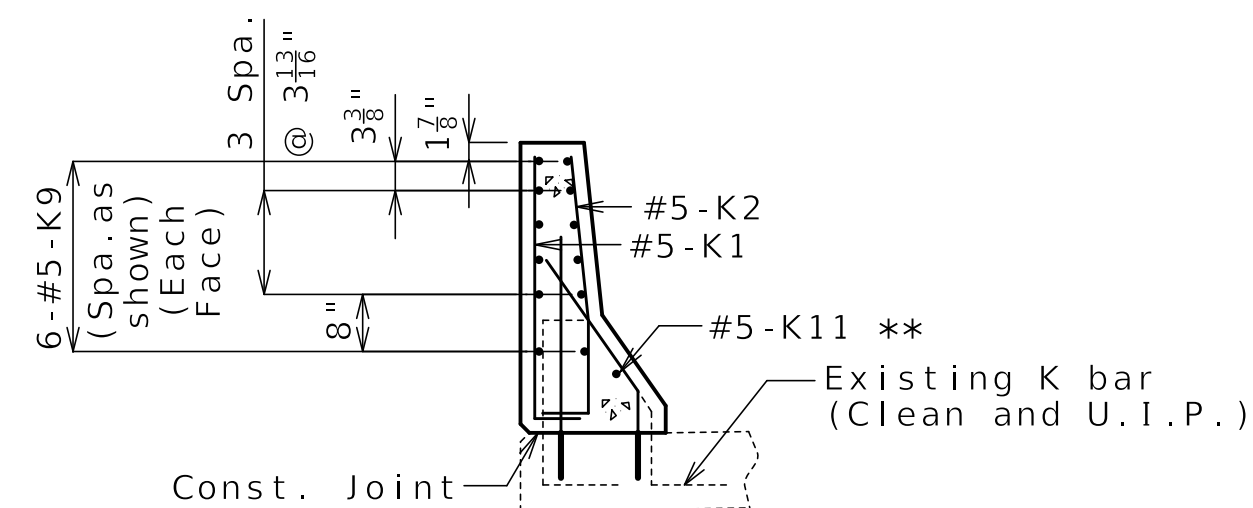
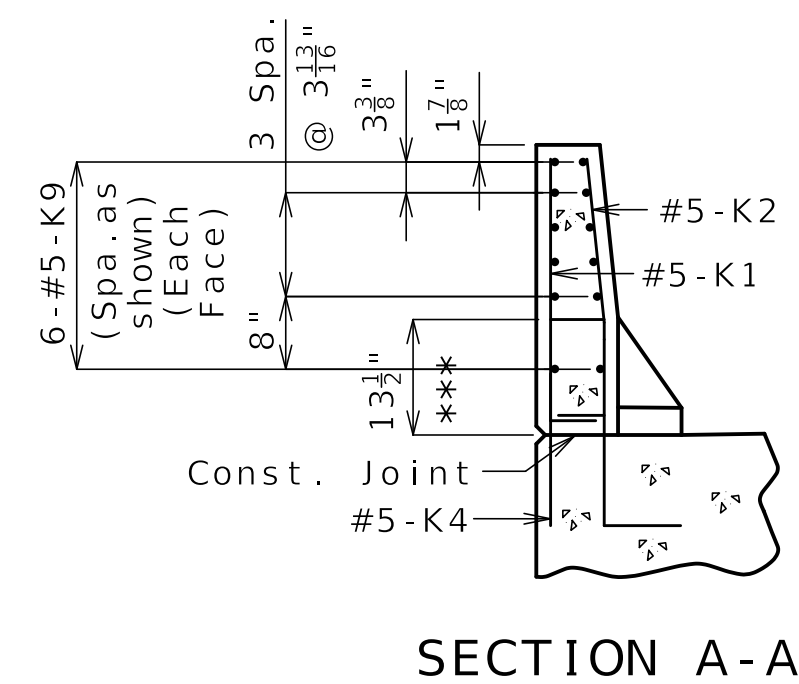
BRIDGE NO.
N07472

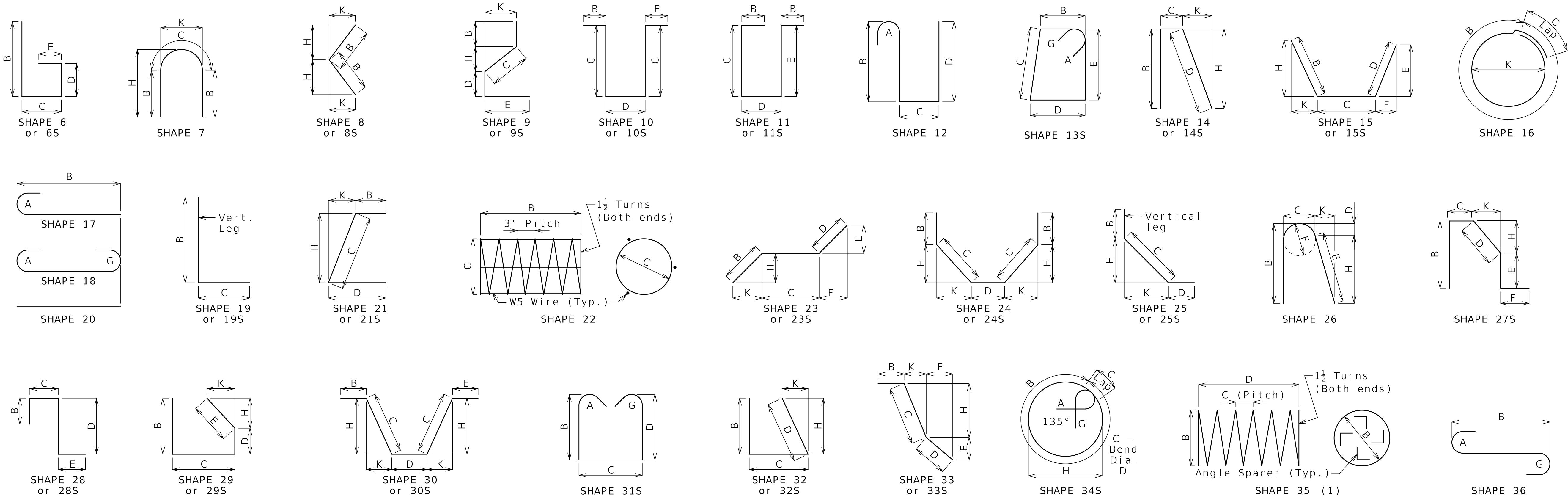
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

[illegible]



Finished Bend Diameters D and Hook Dimensions						
Standard Pin Bend Shapes						
Size	Case	D	A or G		J	
			90°	180°	180°	
#4	1	3"	8"	6"	4"	
#5	1	3 3/4"	10"	7"	5"	
#6	1	4 1/2"	12"	8 1/4"	6"	
#7	2	5 1/4"	14"	9 3/4"	7"	
	3	7"	15"	11 1/2"	8 3/4"	
#8	2	6"	16"	11"	8"	
	3	8"	17"	13 1/4"	10"	
#9	1	9 1/2"	19 1/2"	15 1/2"	11 3/4"	
#10	1	10 3/4"	22"	17 1/2"	13 1/4"	
#11	1	12"	24 1/2"	19 1/2"	14 7/8"	
#14	1	18 1/4"	31 1/4"	27 1/2"	21 5/8"	
#18	1	24"	41 1/2"	36 1/4"	28 1/2"	
Stirrup Pin Bend Shapes (S)						
Size	Case	D	A or G			J
			90°	135°	180°	
#4	2	2"	4 1/2"	4 1/2"	5"	2 7/8"
	3	3"	5"	5 1/4"	6"	3"
#5	2	2 1/2"	5 3/4"	5 3/4"	5 3/4"	3 3/8"
	3	3 3/4"	6 1/4"	6 1/2"	7"	3 7/8"
#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 5/8"
Applicable for all grades of steel. Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.						

BENDING DIAGRAMS

Reinforcing Steel Totals (Pounds)								
	Size	Substructure		Superstructure			Entire Bridge	
		Plain	Coated	Slab		Barrier	Slip Form	
				Plain	Coated			
By Size	W5	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0
	5	0	0	0	0	391	0	391
	6	0	0	0	508	0	0	508
	7	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0
	14	0	0	0	0	0	0	0
	18	0	0	0	0	0	0	0
By Type		0	0	0	508	391	0	899

All superstructure reinforcing steel shall be Epoxy Coated unless otherwise specified.

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

STATE OF MISSOURI

TIMOTHY D. LEAF

NUMBER

PE-2012000778

PROFESSIONAL ENGINEER

Timothy D. Leaf

07/23/2026 7:29:19 AM

TIMOTHY D. LEAF - CIVIL

MO-PE-2012000778

DATE PREPARED

7/23/2026

ROUTE

T

STATE

MO

DISTRICT

BR

SHEET NO.

4

COUNTY

MONITEAU

JOB NO.

JCD0229

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

N07472

DESCRIPTION									
DATE									

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

DESIGN DESIGNATION

A.A.D.T - 2024 = 4,291
V = 55 M.P.H
TRUCK % = 13.3%
FUNCTIONAL CLASS = MINOR ARTERIAL

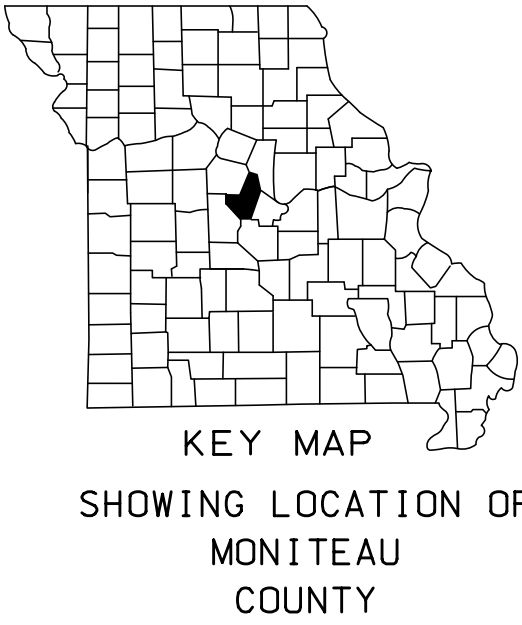
NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

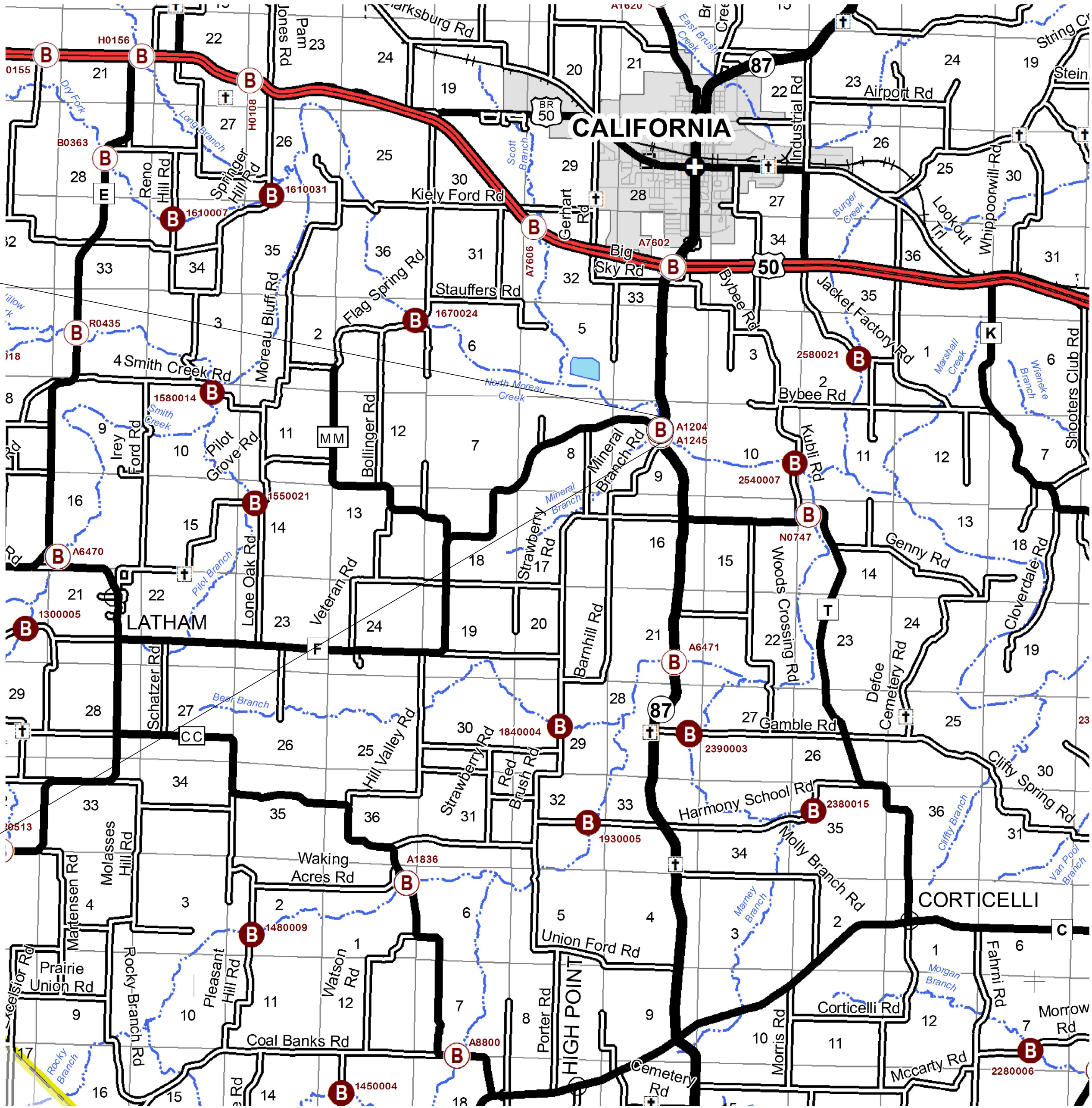
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED STATE HIGHWAY
MONITEAU COUNTY
CENTRAL DISTRICT



BEGIN PROJECT
LOG MILE 58.246

BRIDGE NO. A1204
BRIDGE REHAB
LENGTH 0.279 MILES

END PROJECT
LOG MILE 58.525



NOT TO SCALE

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (2 SHEETS)	3
TRAFFIC CONTROL SHEETS (TC)	4-6
BRIDGE DRAWINGS (B)	
A1204	1-2

LENGTH OF PROJECT	
BEGINNING OF PROJECT	LOG MILE 58.246
END OF PROJECT	LOG MILE 58.525
APPARENT LENGTH	0.279 MILES
EQUATIONS AND EXCEPTIONS:	0 MILES

TOTAL CORRECTIONS	0 MILES
NET LENGTH OF PROJECT	1473.12 FEET
STATE LENGTH	0.279 MILES
ESTIMATED DISTURBED ACRES (FOR INFORMATION ONLY)	0.1 ACRES

STATE OF MISSOURI
GREGORY G. LEARY
NUMBER
PE-026654
PROFESSIONAL ENGINEER
Gregory G. Leary
01/27/2026 1:56:14 PM
GREGORY G. LEARY - CIVIL
MO-PE-026654

DATE PREPARED
7/27/2026

ROUTE
87

STATE
MO

DISTRICT
CD

SHEET NO.
1

COUNTY
MONITEAU

JOB NO.
JCD0302

CONTRACT ID.

PROJECT NO.

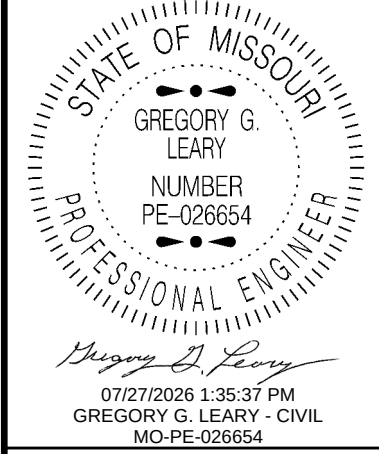
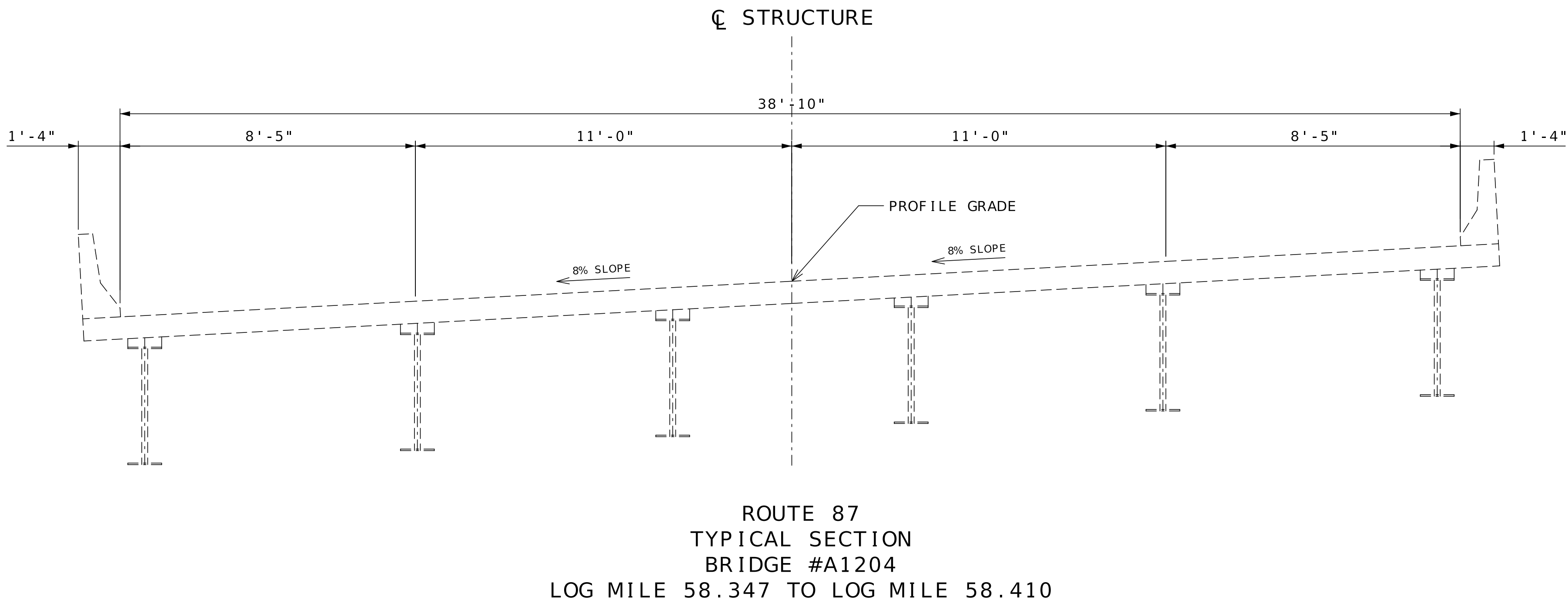
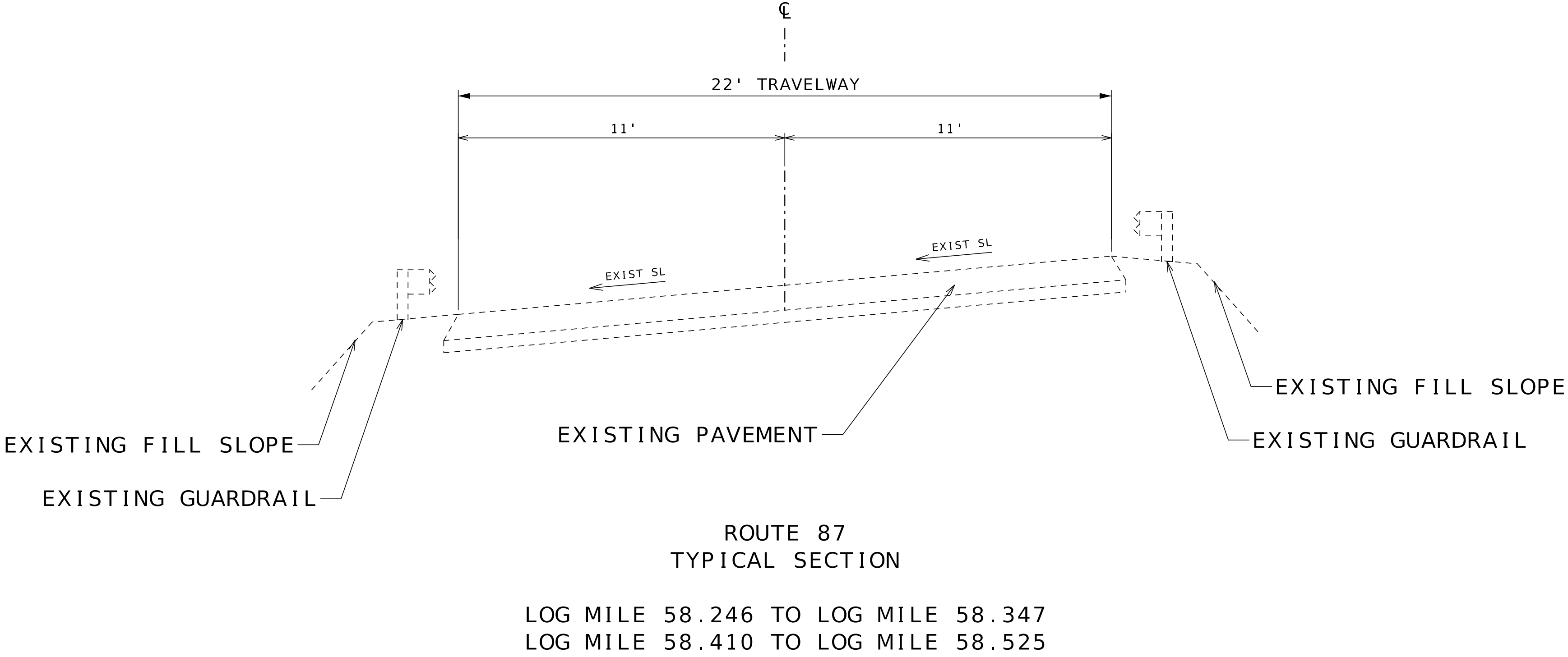
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



DATE PREPARED	
7/27/2026	
ROUTE	STATE
87	MO
DISTRICT	SHEET NO.
CD	2
COUNTY	
MONITEAU	
JOB NO.	
JCD0302	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)					
LOG MILE	LOG MILE	LOCATION	4" SOLID WHITE LF	4" SOLID YELLOW LF	REMARKS
58.347	58.410	ROUTE 87	668.0	668.0	
		TOTAL	668.0	668.0	
		USE	668	668	

SEEDING AND MULCHING - COOL SEASON GRASSES					
LOG MILE	LOG MILE	LOCATION	COOL SEASON GRASSES (ACRE)	MULCH (ACRE)	REMARKS
58.246	58.525	ROUTE 87	0.10	0.10	USE AS NEEDED
		TOTAL	0.10	0.10	
		USE	1 LUMP SUM		

MOBILIZATION
1 LUMP SUM

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

DATE PREPARED

7/27/2026

ROUTE

87

STATE

MO

DISTRICT

CD

SHEET NO.

3

COUNTY

MONITEAU

JOB NO.

JCD0302

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NO.	DESCRIPTION	SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NO.	DESCRIPTION	ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025			
																				DESCRIPTION			
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)			
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00							GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)		
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00							EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)		
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00							EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)		
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00							ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)		
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00							END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)		
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50	1	4.50			53	PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)			
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL			
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)			
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)			
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)			
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001		TRUCK MOUNTED ATTENUATOR (TMA)			
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)			
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)			
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)			
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)			
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)			
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25							STOP	6161025	40	CHANNELIZER (TRIM-LINE)		
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93							YIELD	6161026		CHANNELIZER (VERTICAL PANEL)		
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00							TO ONCOMING TRAFFIC (PLAQUE)	6161030		TYPE 3 MOVEABLE BARRICADE		
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50							ALL WAY (PLAQUE)	6161033		DIRECTION INDICATOR BARRICADE		
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00							SPEED LIMIT XX	6161040		FLASHING ARROW PANEL		
WO3-4	48X48	16.00	3	48.00			11	BE PREPARED TO STOP	R3-1	48X48	16.00							NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER		
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00							NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT		
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00							NO TURNS	6161070		TUBULAR MARKER		
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00							NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM		
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25							LEFT LANE MUST TURN LEFT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED		
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED					
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00							DO NOT PASS	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED		
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED					
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00							KEEP RIGHT (HORIZONTAL ARROW)	6161099	2	WORK ZONE TRAFFIC SIGNAL SYSTEM		
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	TEMPORARY LONG-TERM RUMBLE STRIPS					
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25							DO NOT ENTER	6162000A				
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00							WRONG WAY	6162002				
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75							ONE WAY ARROW (LEFT)	6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED		
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75							ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED		
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00							ONE WAY (LEFT)	6173700B		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED		
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00							ONE WAY (RIGHT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED		
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00							SIDEWALK CLOSED	6173706		RELOCATING TEMPORARY TRAFFIC BARRIER		
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00							SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			RELOCATING TEMP. TRAFFIC BARRIER ANCHORED		
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00							SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6174000A		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS		
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00							STOP HERE ON RED (45° ARROW)	6175010A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT		
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00							ROAD CLOSED	6175013		TEMPORARY RAISED PAVEMENT MARKER		
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50							ROAD CLOSED X MILES AHEAD LOCAL TRAFFIC ONLY	6175020A		TEMPORARY TRAFFIC SIGNALS		
WO8-9	48X48	16.00						LOW SHOULDER	R11-4	60X30	12.50							ROAD CLOSED TO THRU TRAFFIC	6208064A		TEMPORARY TRAFFIC SIGNALS AND LIGHTING		
WO8-11	48X48	16.00						UNEVEN LANES	CONST-3A	60X48	20.00							FINE SIGN	9029400				
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3X	56X12	4.67							SPEEDING/PASSING (PLATE)	9029401				
WO8-15	48X48	16.00						GROOVED PAVEMENT	MISCELLANEOUS SIGNS													TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	48X36	12.00							POINT OF PRESENCE					
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	96X48	32.00							POINT OF PRESENCE					
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-8	48X36	12.00							WORK ZONE NO PHONE ZONE					
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)															
W10-1	42RND.	9.62						RAILROAD CROSSING															
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)															
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)															
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)															
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)															
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD															
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD															
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)															
WO16-2	30X24																						

PILOT CAR
FOLLOW ME

G020-4

(53)

SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.

BRIDGE

OR

RAMP

W025-6



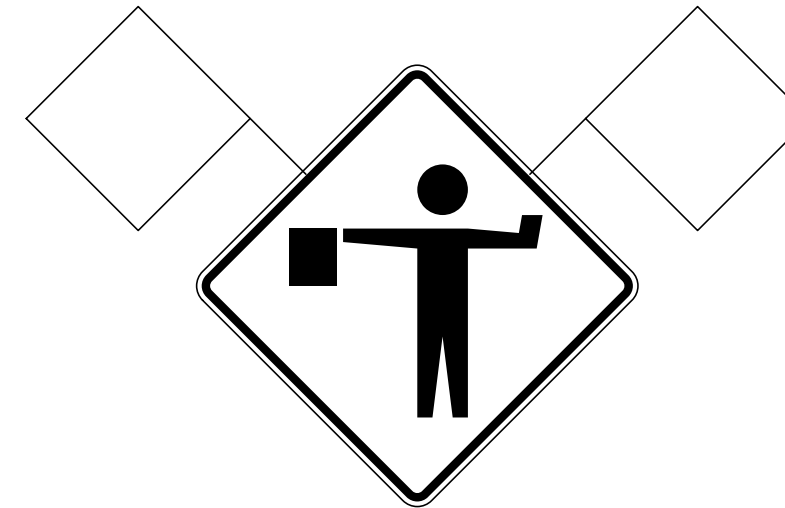
W020-1

(2)



W020-4

(7)



W020-7a

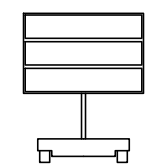
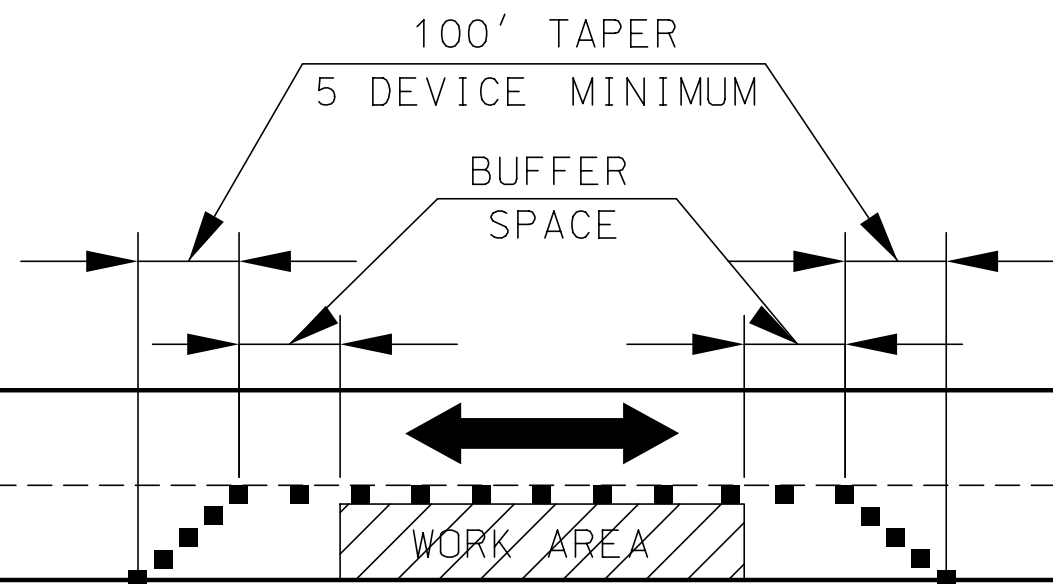
(8)

*

(11)

(7)

(2)



(2)

S OR SC

(7)

S OR SB

(11)

*

(8)

S OR SA

△ - FLAGGER



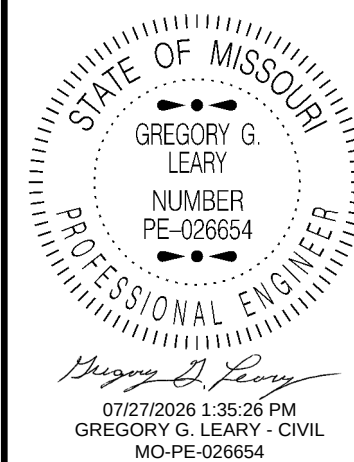
CHANNELIZERS



W03-4

(11)

* THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED.



DATE PREPARED
7/27/2026

ROUTE
87

STATE
MO

DISTRICT
CD

SHEET NO.
4

COUNTY
MONITEAU

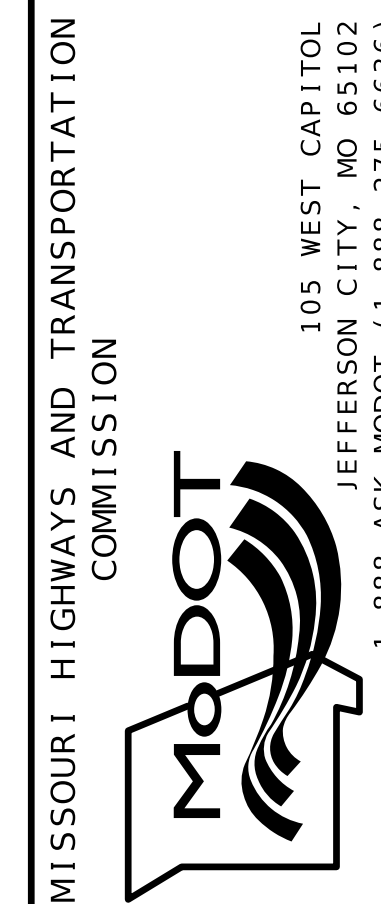
JOB NO.
JCD0302

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE



NOTES:

SEE TRAFFIC CONTROL SHEET 2 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

NOTES:

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.

(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AND VISIBILITY.

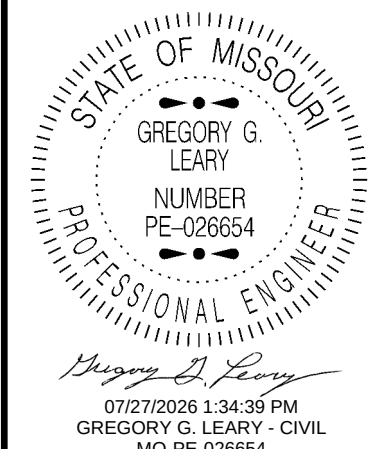
(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3) (T2)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER (T1)	BUFFER LENGTH FT. (B)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	250'	35'*	40'*
40-45	450'	495'	540'	150'	360'	40'*	80'*
50-55	550'	605'	660'	185'	495'	50'**	80'**
60-70	700'	770'	840'	235'	730'	60'**	120'**

* SPACING REDUCED TO 1/2 AT INTERSECTIONS.

✱✱ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

ROADWAY TYPE	SIGN HEIGHT	MAX. WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL DIVIDED	1' PORTABLE 7' POST	2 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILE



DATE PREPARED
7/27/2026

ROUTE	STATE
87	MO

DISTRICT	SHEET NO.
CD	5

COUNTY
MONITEAU

JOB NO.
JCD0302

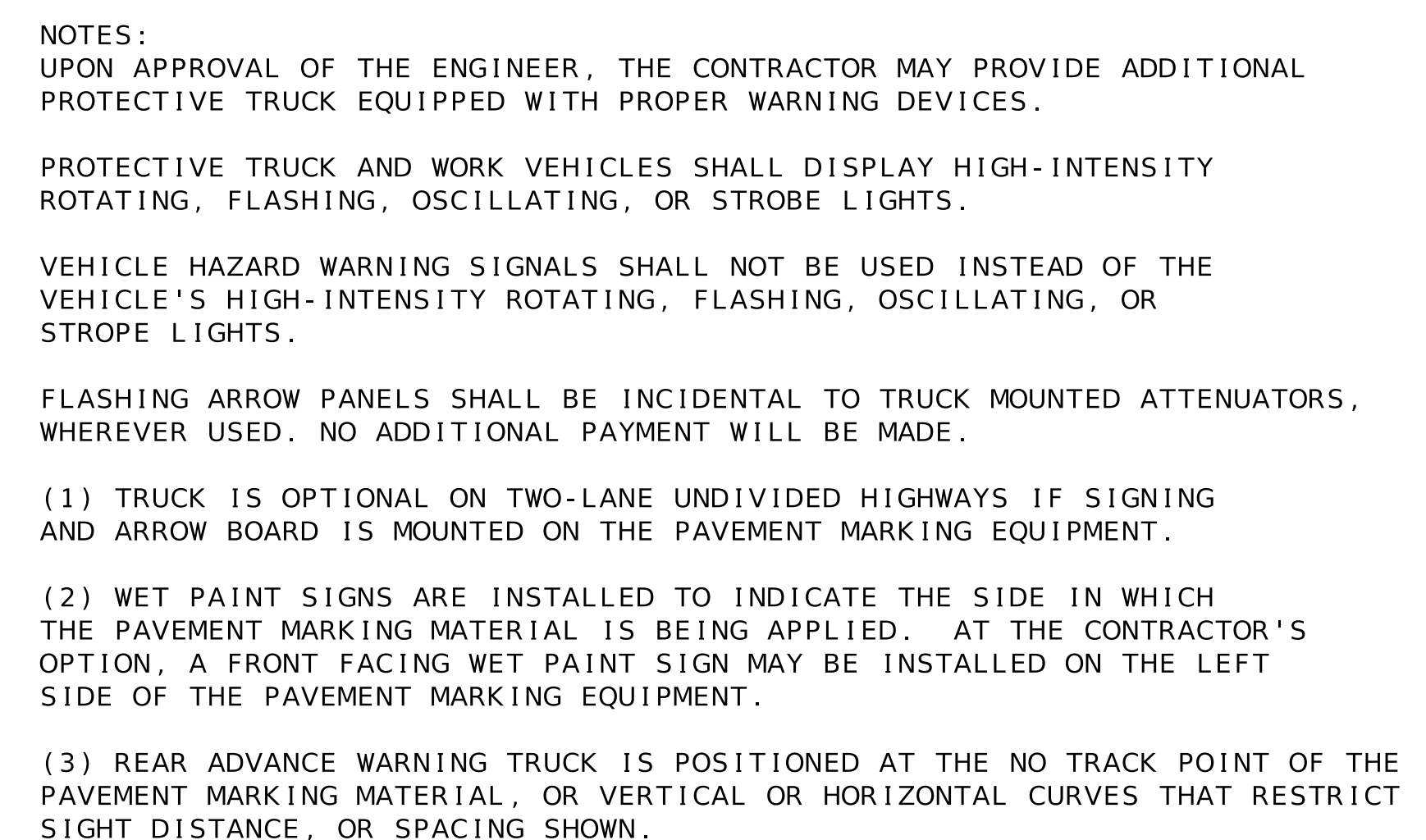
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]


 MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

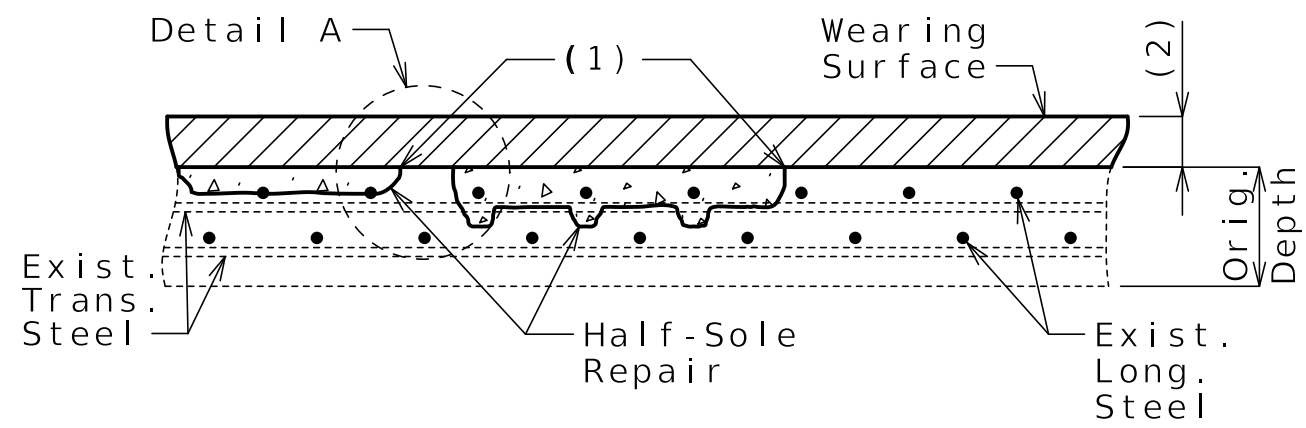


TRAFFIC CONTROL
SHEET 3 OF 3

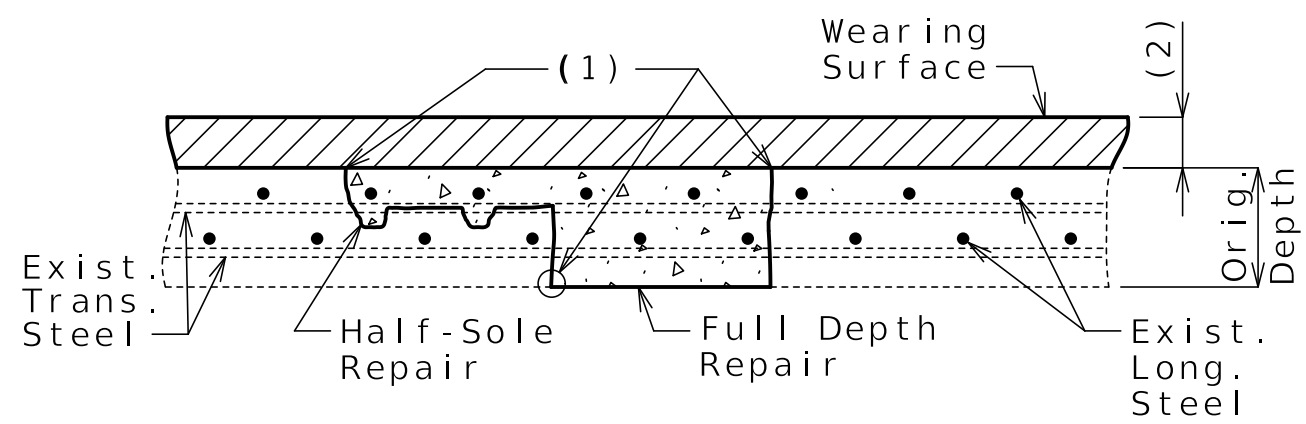
[illegible]

U.I.P. AND REHABILITATE EXISTING (85'-110'-85'-4') CONTINUOUS COMPOSITE PLATE GIRDER SPANS & (45') COMPOSITE WIDE FLANGE BEAM SPAN (SKEW: VARIES)

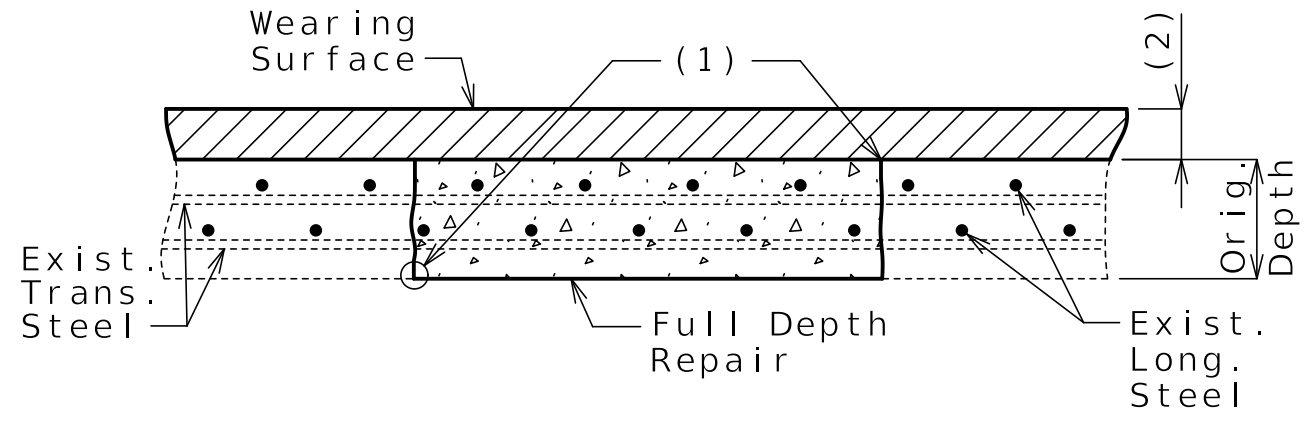
SEC/SUR 9 TWP 44N RGE 15W



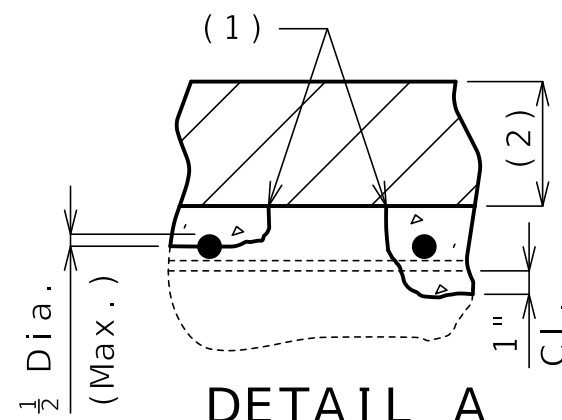
HALF-SOLE REPAIR



FULL DEPTH REPAIR WITH HALF-SOLE REPAIR



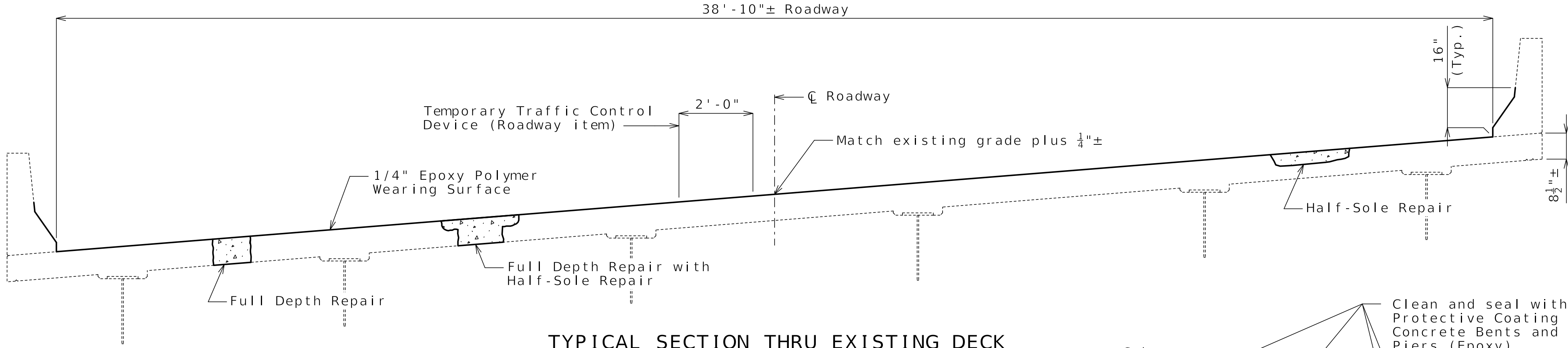
FULL DEPTH REPAIR



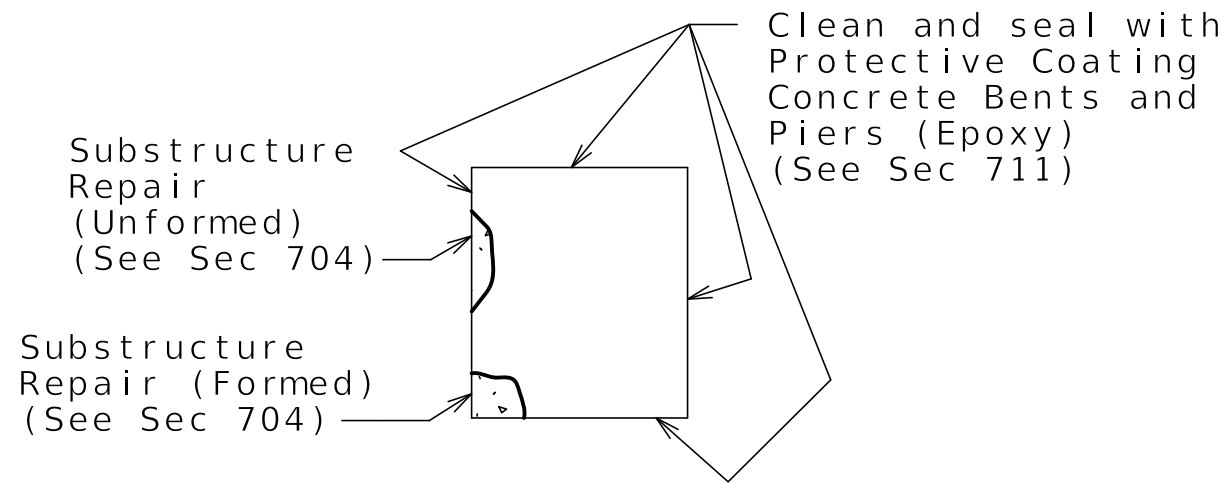
DETAIL A

(1) 1" vertical side shall be established outside the deteriorated area.

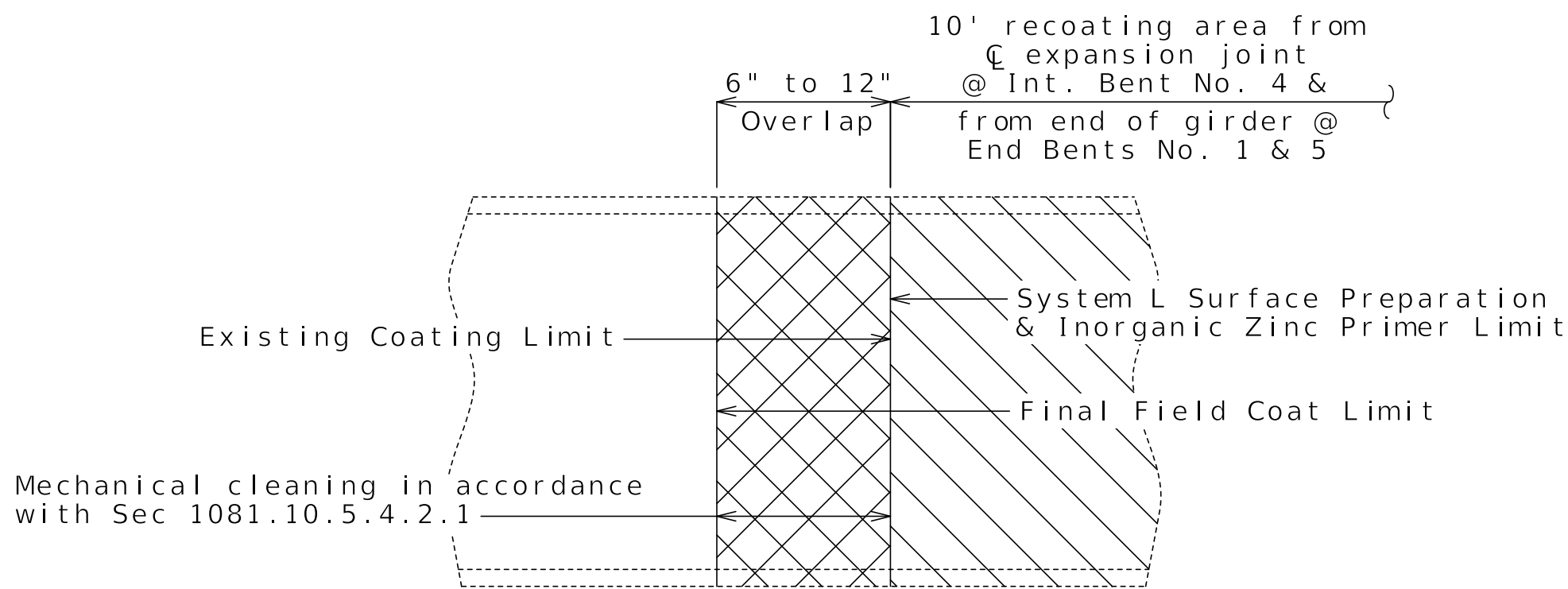
(2) 1/4" minimum epoxy polymer wearing surface



TYPICAL SECTION THRU EXISTING DECK



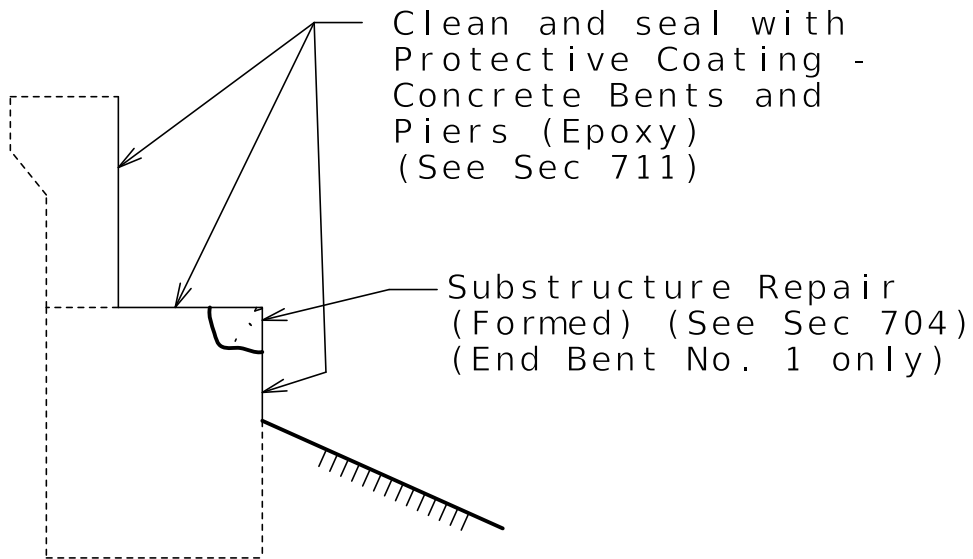
TYPICAL SECTION THRU INT. BENT NO. 4 SHOWING PROTECTIVE COATING



PART ELEVATION SHOWING LIMITS OF PAINT OVERLAP

(Vertical or horizontal paint limit. Horizontal limit shown)

Limits of Paint Overlap: System L shall overlap the existing coating between 6 inches and 12 inches in order to achieve maximum coverage at the paint limit of each complete system near the expansion and contraction areas. The final field coating shall be masked to provide crisp, straight lines and to prevent overspray beyond the overlap required.



TYPICAL SECTION THRU END BENTS NO. 1 & 5 SHOWING PROTECTIVE COATING

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 6

Design Loading:

H20-44 (1961), HS20-44 (1989 and New Construction)

Design Unit Stresses:

Class B-2 Rapid Set Concrete (Half-Sole and Full Depth Repair)
see Job Special Provisions
Structural Carbon Steel (ASTM A709 Grade 36)

f'c = 4,000 psi
fy = 36,000 psi

Structural Steel Protective Coatings:

Protective Coating: System L in accordance with Sec 1081.

Surface Preparation: Surface preparation of the existing steel shall be in accordance with Sec 1081 for Recoating of Structural Steel (System L) with inorganic zinc primer. The cost of surface preparation will be considered completely covered by the contract unit price per sq. foot for Surface Preparation for Recoating Structural Steel.

Prime Coat: The cost of the prime coat will be considered completely covered by the contract unit price per sq. foot for Field Application of Inorganic Zinc Primer.

Field Coat(s): The color of the field coat(s) shall be Gray (Federal Standard #26373). The cost of the finish field coat will be considered completely covered by the contract unit price per sq. foot for Finish Field Coat (System L).

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before ordering materials or finalizing the shop drawings.

In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.

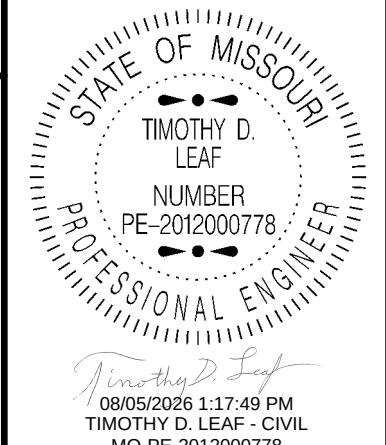
Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Estimated Quantities		
Item		Total
Epoxy Polymer Wearing Surface	sq. yard	1561
Substructure Repair (Formed)	sq. foot	40
Substructure Repair (Unformed)	sq. foot	15
Half-Sole Repair	sq. foot	100
Full Depth Repair	sq. foot	50
Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
Surface Preparation for Recoating Structural Steel	sq. foot	2300
Field Application of Inorganic Zinc Primer	sq. foot	2300
Finish Field Coat (System L)	sq. foot	2300
Steel Repair	each	2

REPAIRS TO BRIDGE: ROUTE 87
OVER MOREAU CREEK

ROUTE 87 FROM ROUTE F TO ROUTE 50
ABOUT 0.1 MILES NORTH OF ROUTE F
BEGINNING STATION 161+12.75± (Match Existing)



DATE PREPARED
8/5/2026

ROUTE 87 STATE MO

DISTRICT BR SHEET NO. 1

COUNTY MONITEAU

JOB NO. JCD0302

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A12042

DESCRIPTION

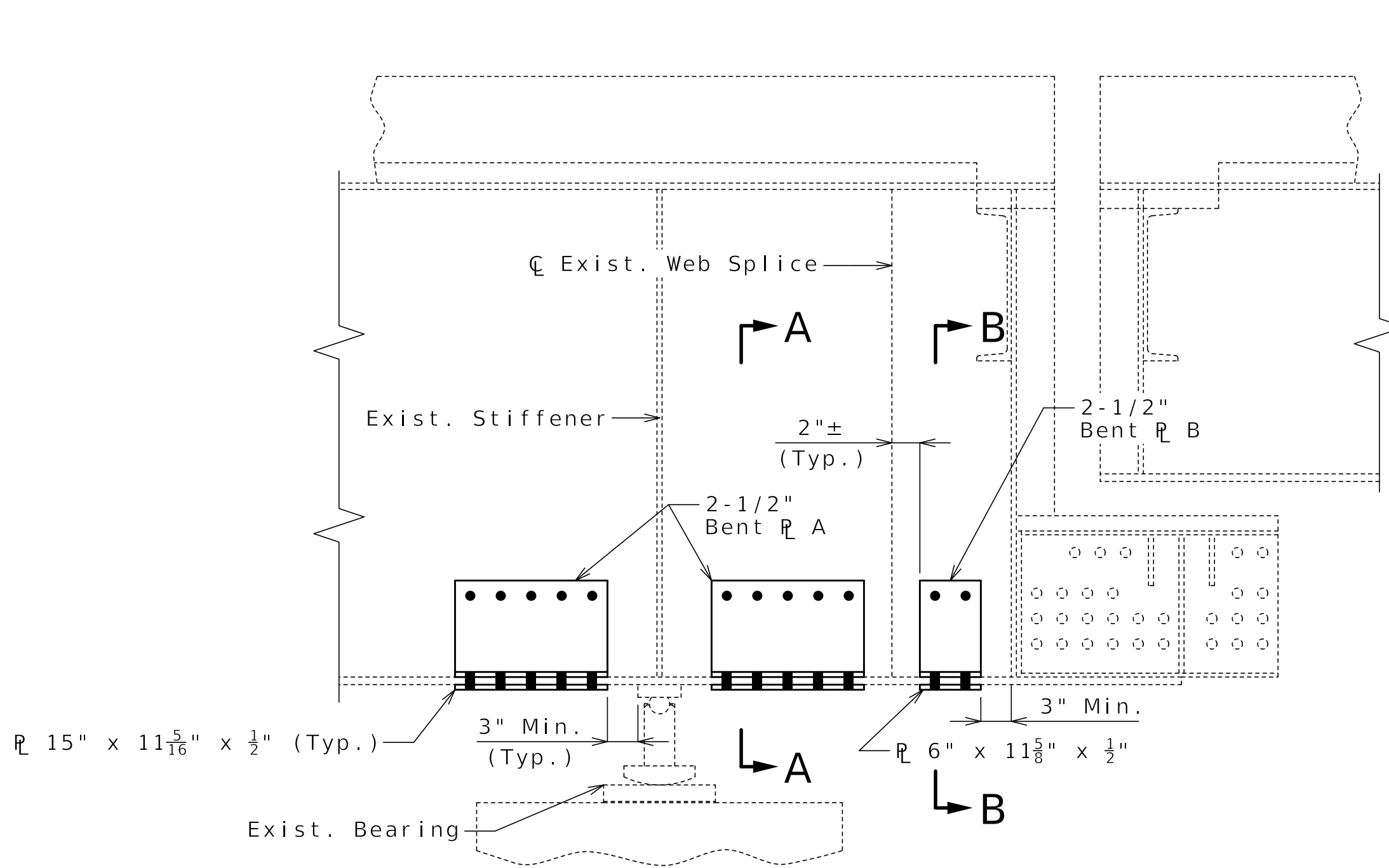
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

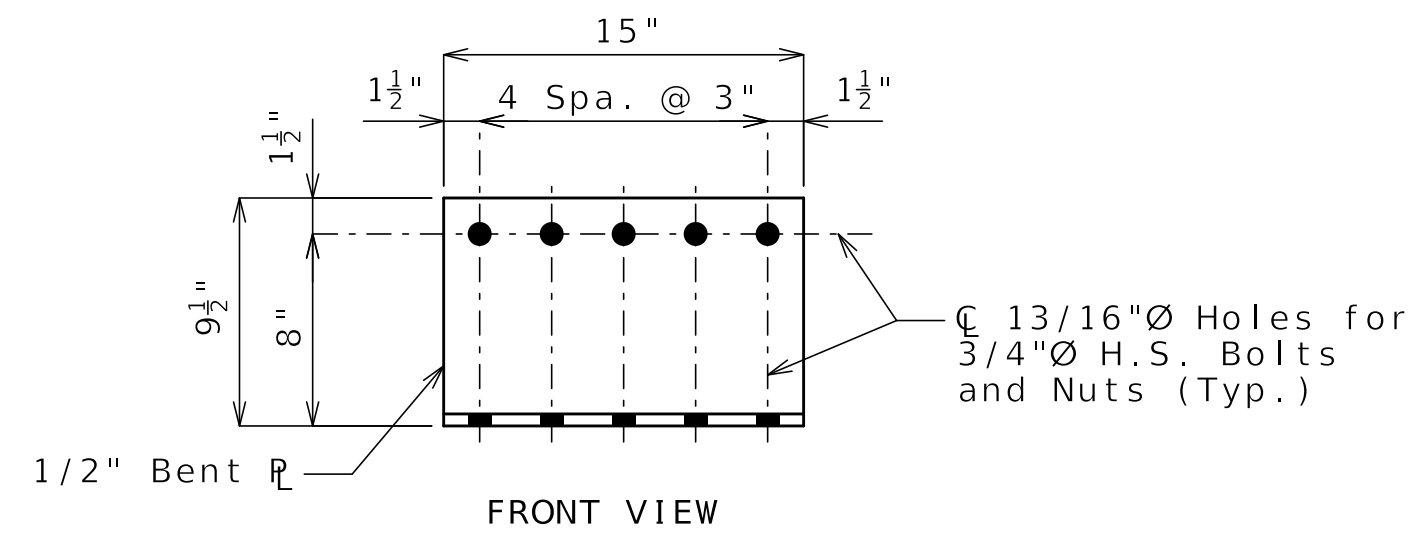
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

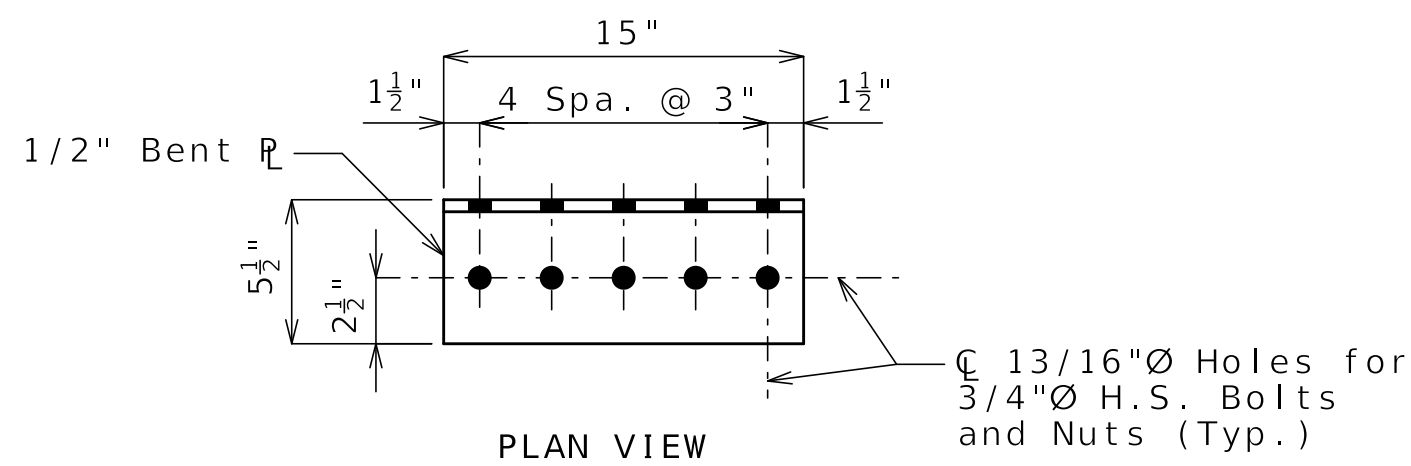


DETAILS OF STEEL REPAIR
AT GIRDERS NO. 1 & 2
AT INT. BENT NO. 4

Proposed wearing surface not shown for clarity.

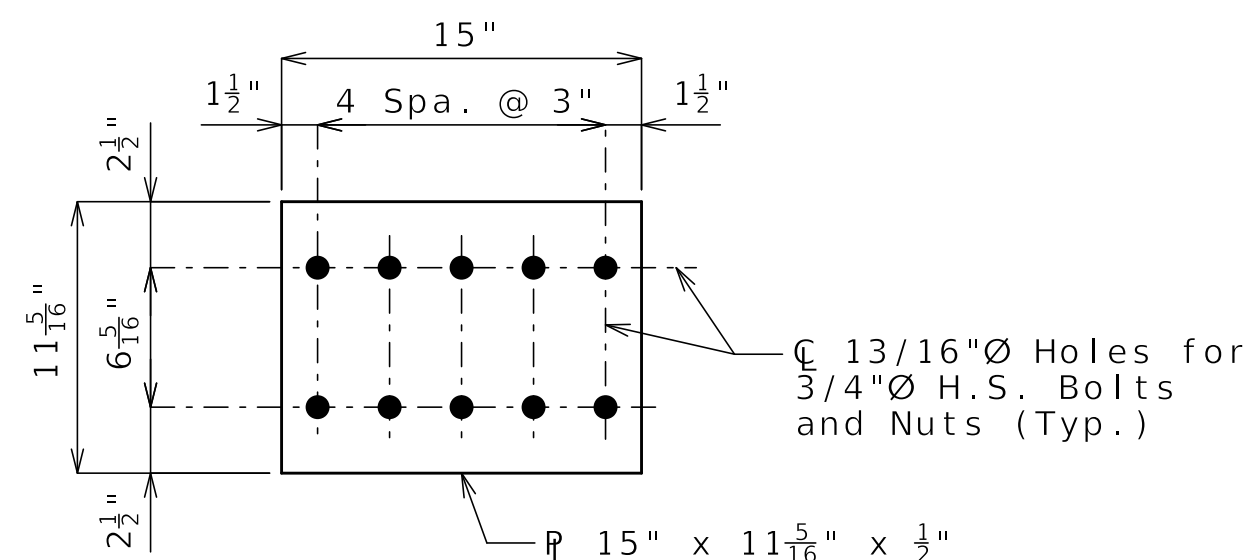


FRONT VIEW

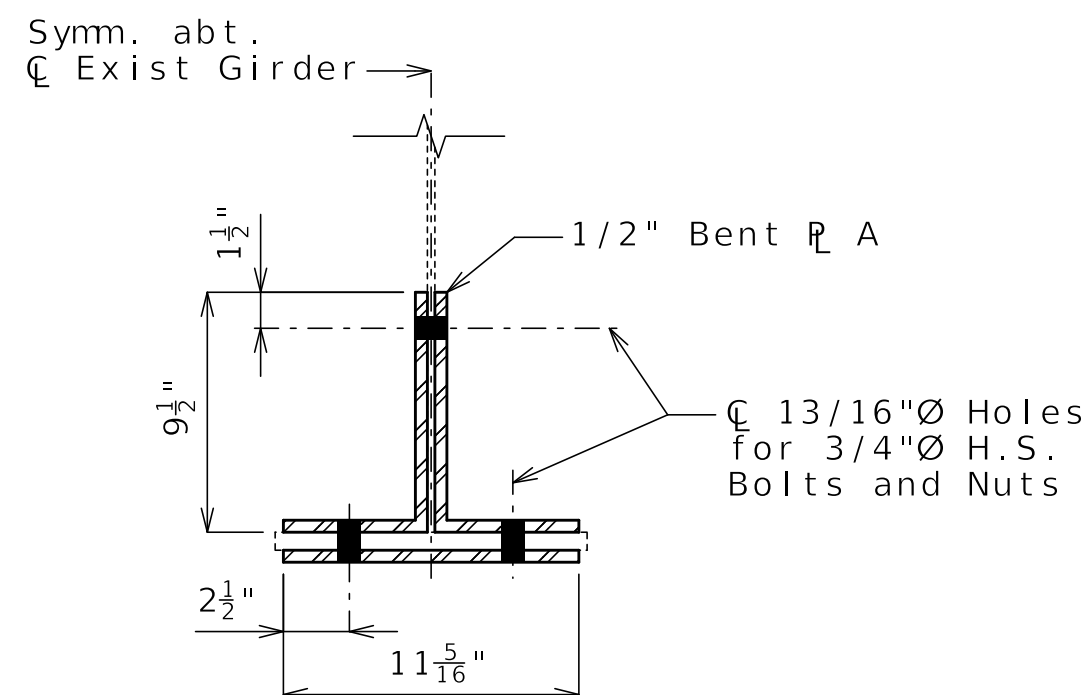


PLAN VIEW

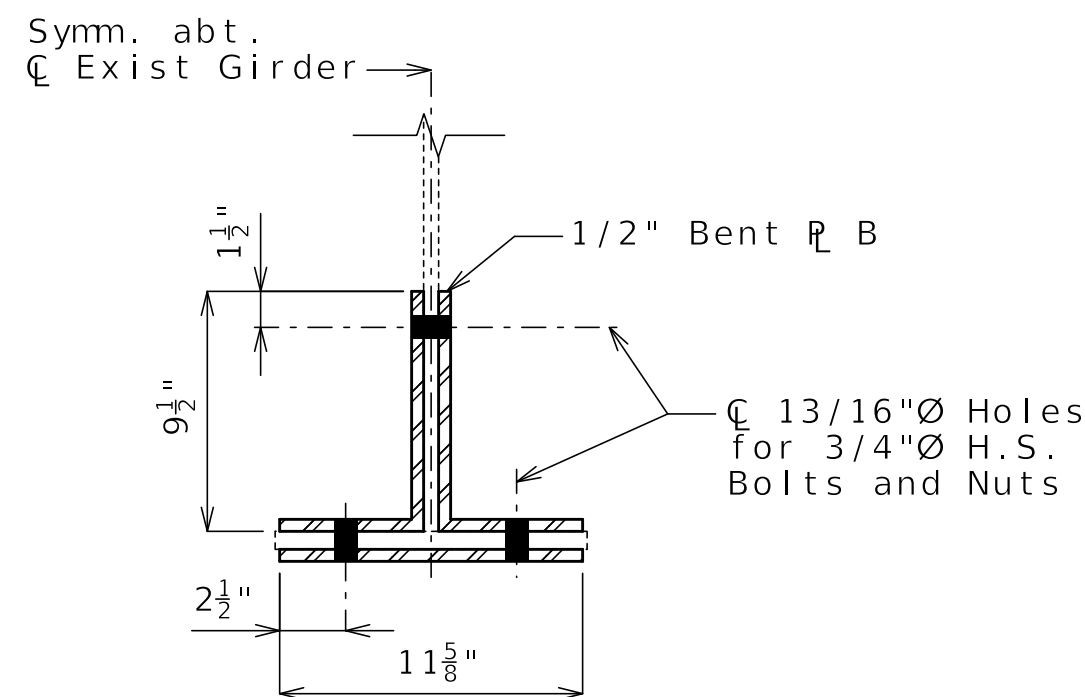
DETAILS OF BENT PL A



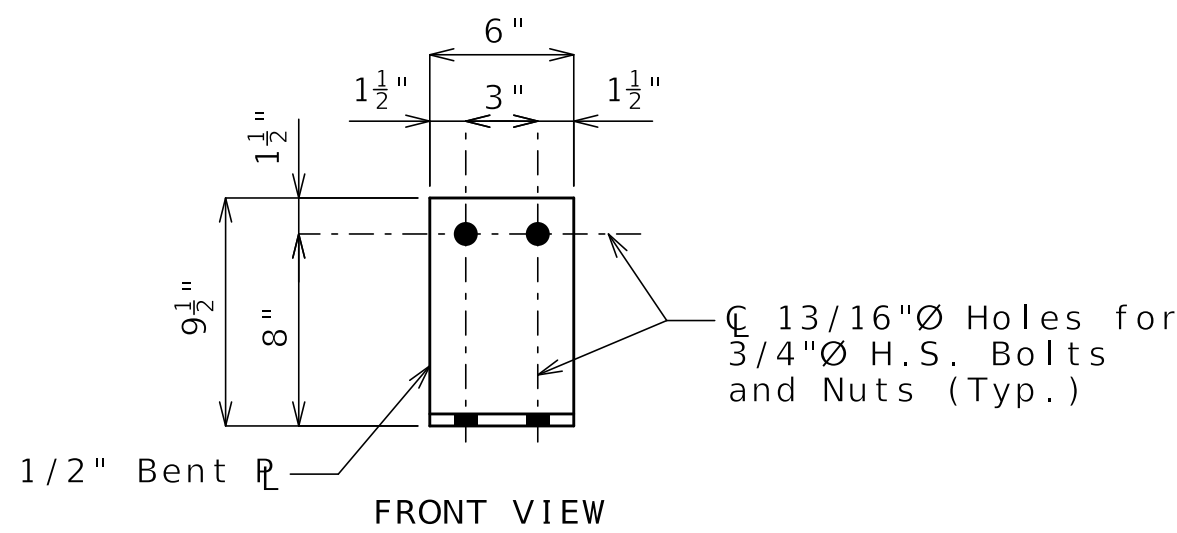
PLAN OF PL 15" x 11 5/16" x 1/2"



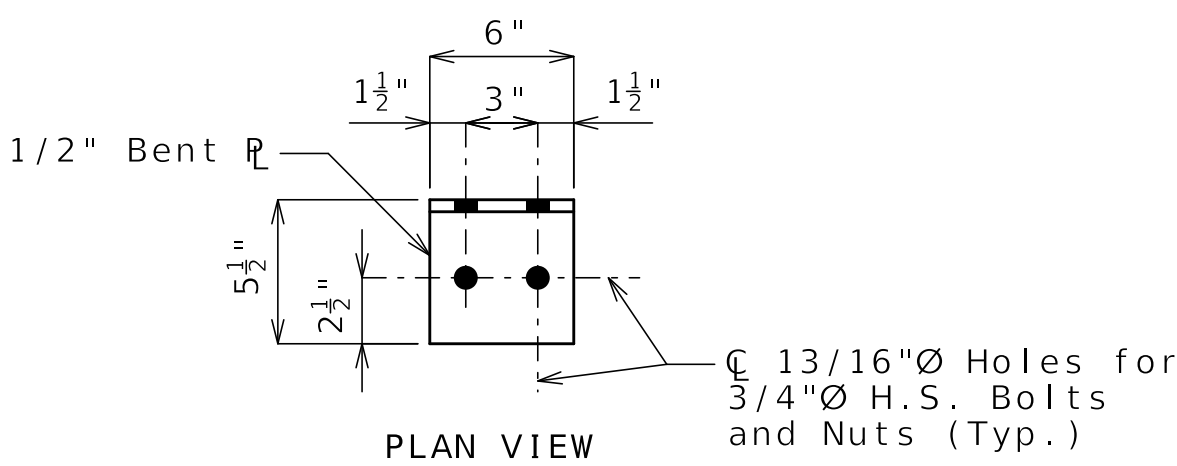
SECTION A-A



SECTION B-B

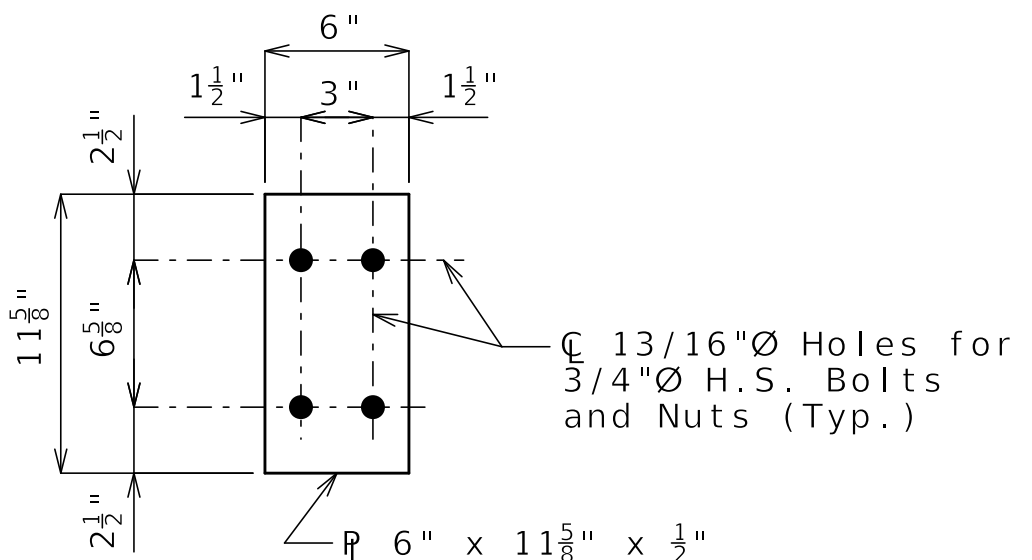


FRONT VIEW

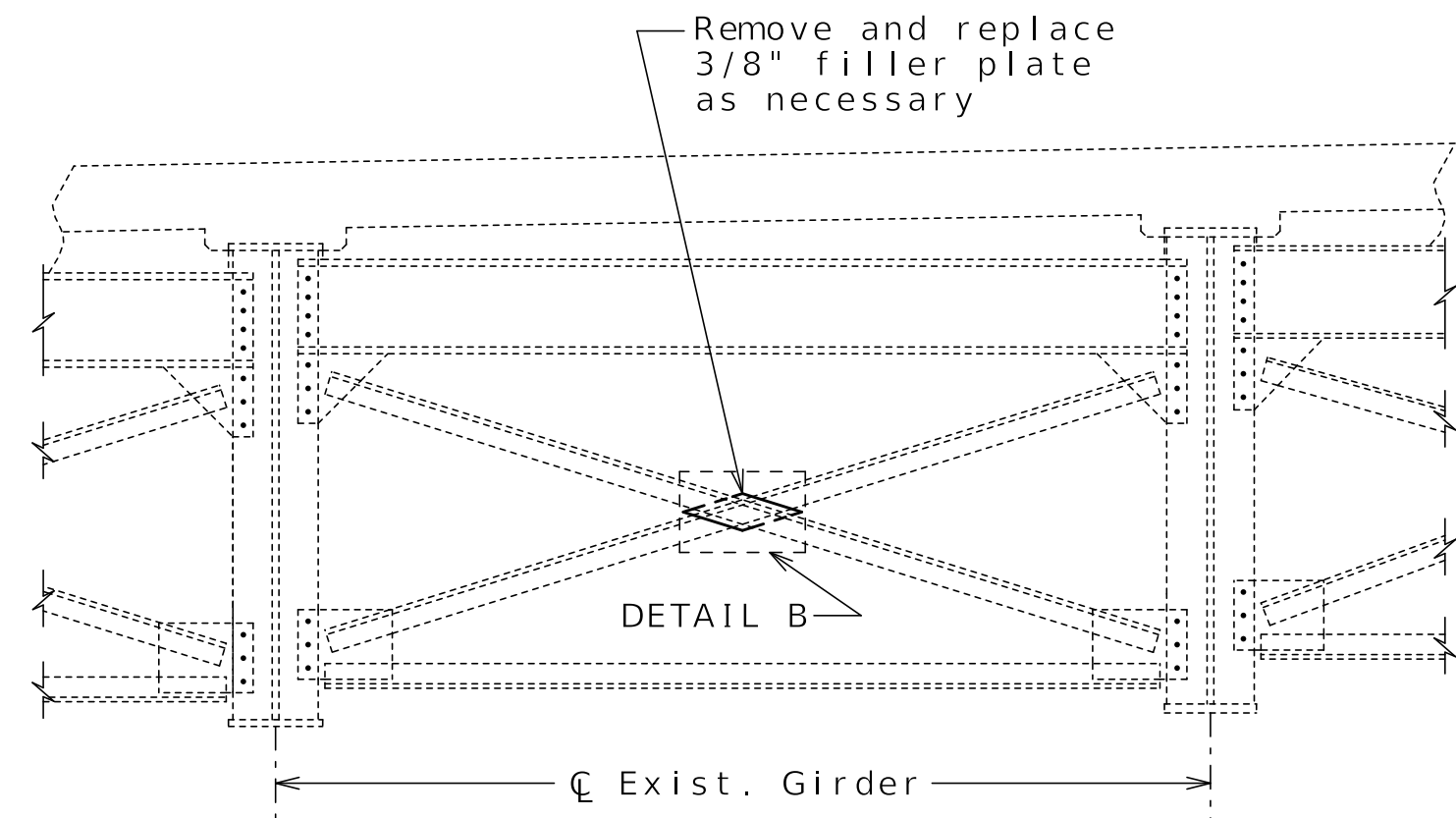


PLAN VIEW

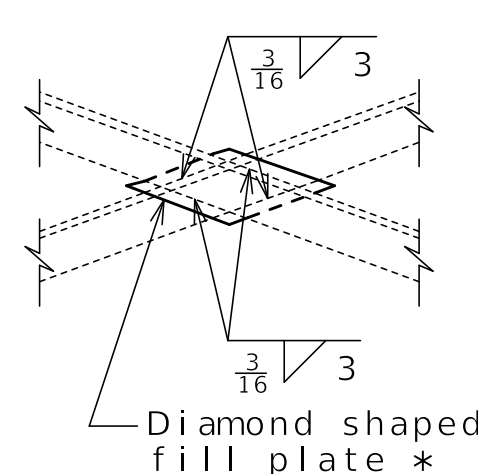
DETAILS OF BENT PL B



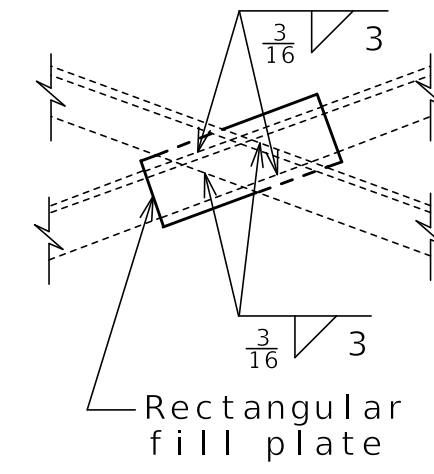
PLAN OF PL 6" x 11 5/8" x 1/2"



TYPICAL PART SECTION SHOWING
END DIAPHRAGM REPAIR
AT INT. BENT NO. 4



DETAIL B



OPTIONAL
DETAIL B

* At the contractor's option, rectangular fill plates may be used in lieu of diamond fill plates as shown in Optional Detail B.

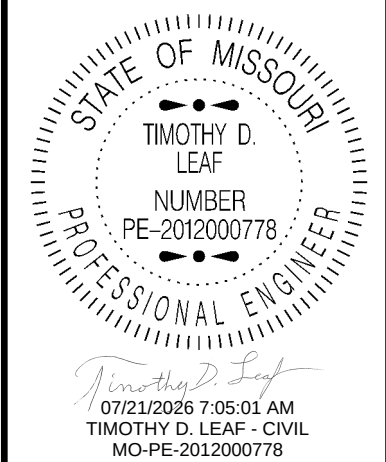
Notes:

Fabricated structural steel for repairs shall be ASTM A709 Grade 36.

Field connections shall be made with 3/4-inch diameter high strength bolts and 13/16-inch diameter holes, except as noted.

High strength bolts, nuts and washers will be sampled for quality assurance as specified in Sec 106.

Payment for furnishing and installing plates and bent plates shall be considered completely covered by the contract unit price for Steel Repair.



DATE PREPARED 7/21/2026	
ROUTE 87	STATE MO
DISTRICT BR	SHEET NO. 2
COUNTY MONITEAU	
JOB NO. JCD0302	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A12042	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MODOT