

DESIGN DESIGNATION

A.A.D.T. - 2024 = 1,410
A.A.D.T. - 2044 = 1,813
D.H.V. = 9.78%
T = 17.87%
V = 55 M.P.H.
D = 50.7%/49.3%

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

NORMAL RIGHT OF WAY
TO BE ACQUIRED

- NORMAL RIGHT OF WAY ACCESS
----- PERMANENT EASEMENT
----- TEMPORARY EASEMENT

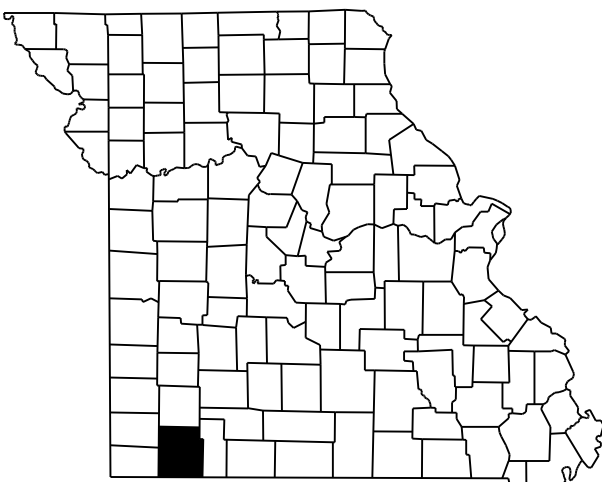
RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND
FROM STA. 767+00.00 TO STA. 781+00.00
A DISTANCE OF 0.27 MILES.

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		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
SECTION 19, T24N, R25W
BARRY COUNTY



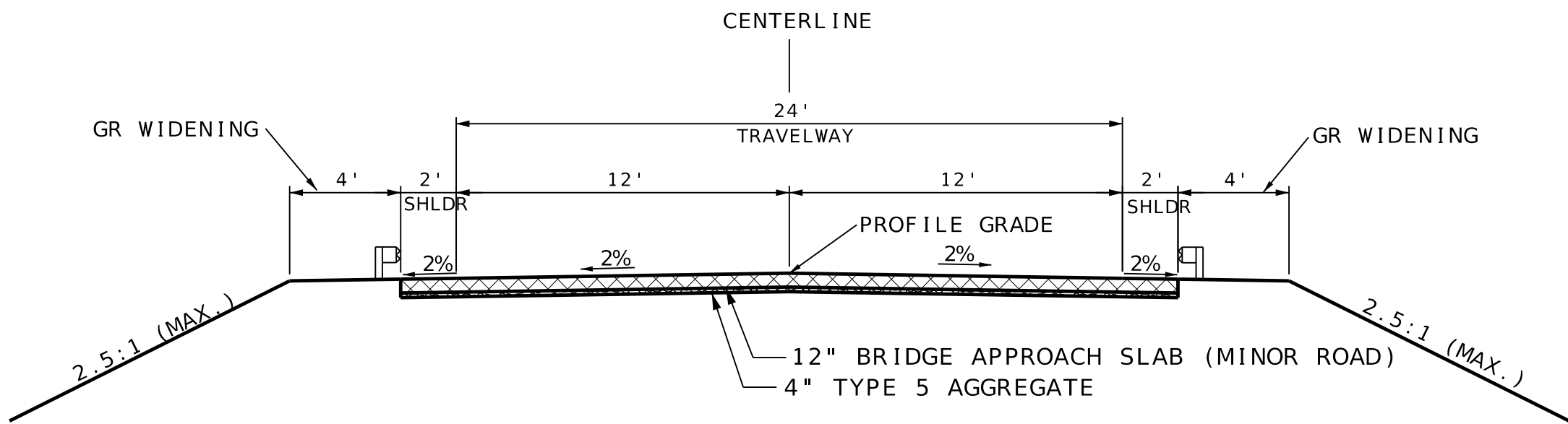
KEY MAP
LOCATION OF BARRY COUNTY</

NOTE:
CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTION.
CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT
OPTION IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS ARE DESIGNED FOR THE THINNER PAVEMENT DESIGN.
THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT
DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES ARE DESIGNED TO ACCOMMODATE A
MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

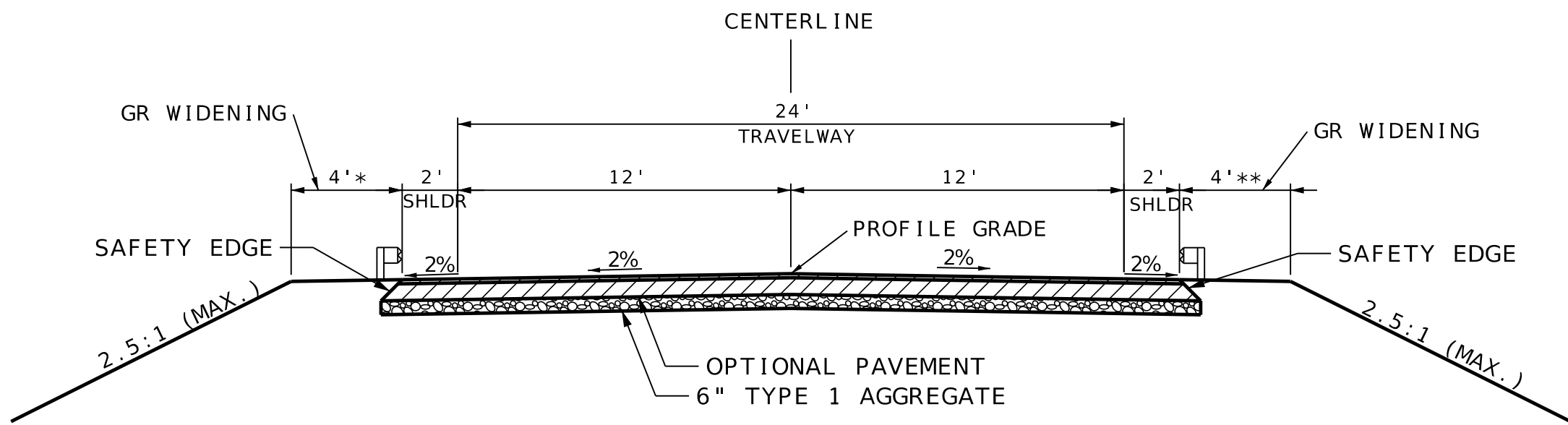
SEE TYPICAL SECTION SHEET 3 OF 3 FOR OPTIONAL PAVEMENT DESIGNS.

SEE STANDARD PLAN 401.00 FOR SAFETY EDGE DETAILS.



SECTION ON TANGENT
TYPICAL SECTION ROUTE 248

STA. 771+78.50 TO STA. 771+82.50 APPROACH SLAB
STA. 776+58.00 TO STA. 776+62.00 APPROACH SLAB

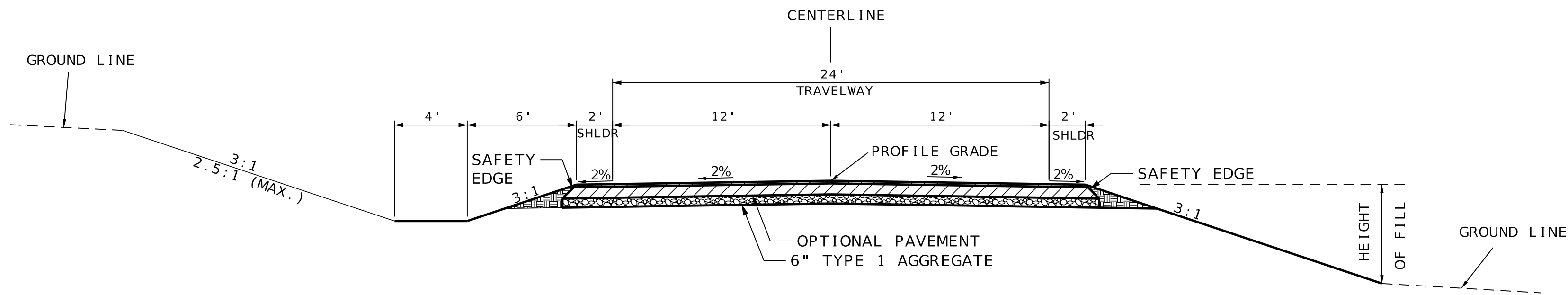


SECTION ON TANGENT
TYPICAL SECTION ROUTE 248

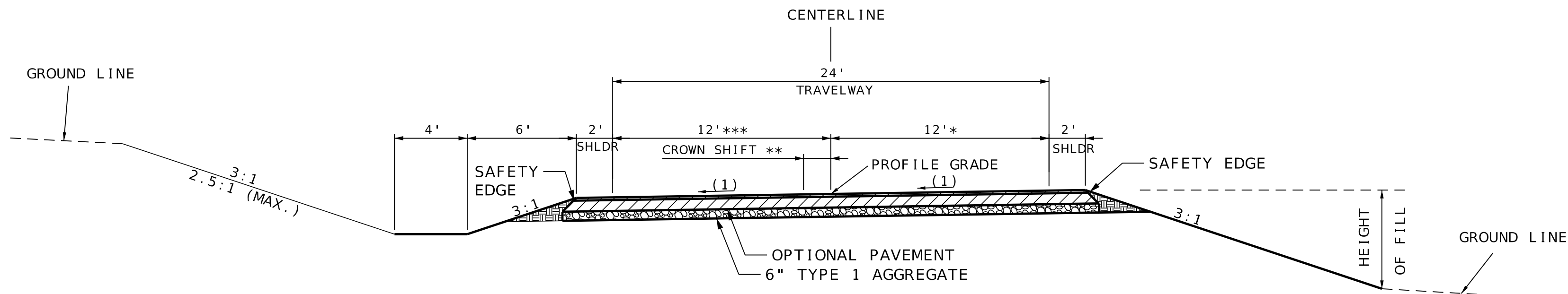
STA. 770+68.61 TO STA. 771+78.50
STA. 776+62.00 TO STA. 777+75.00

* TRANSITION 0.00' TO 4.00' FROM STA. 770+07.50 TO STA. 770+22.50
TRANSITION 4.00' TO 0.00' FROM STA. 779+18.00 TO STA. 779+33.00

** TRANSITION 0.00' TO 4.00' FROM STA. 769+07.50 TO STA. 769+22.50
TRANSITION 4.00' TO 0.00' FROM STA. 779+42.50 TO STA. 779+57.50



SECTION ON TANGENT
TYPICAL SECTION ROUTE 248
STA. 770+30.20 TO STA. 770+68.61



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION ROUTE 248

STA. 766+06.92 TO STA. 770+30.20

* TRANSITION 8.82' TO 12.00' FROM STA. 766+06.92 TO STA. 767+81.92

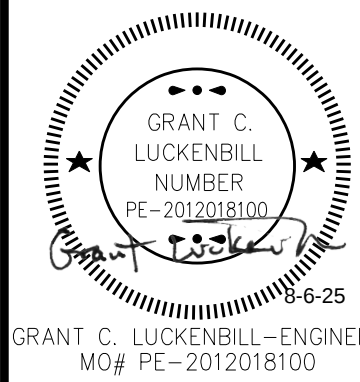
** CROWN SHIFT LEFT

TRANSITION 2.06' TO 0.00' FROM STA. 766+06.92 TO STA. 767+62.00

*** TRANSITION 13.00' TO 12.00' FROM STA. 766+06.92 TO STA. 767+81.92

ASPHALT FACTORS	
MATERIAL	TONS/CY
PMBP (BP - 1) , PG64 - 22	1.948
PMBP (BASE) , PG 64 - 22	1.943

TACK COAT APPLICATION RATE
0.10 GAL/YD' (UNDILUTED)



DATE PREPARED
8/5/2025

ROUTE 248 STATE MO
DISTRICT SW SHEET NO. 2

COUNTY BARRY

JOB NO. JSR0119

CONTRACT ID.

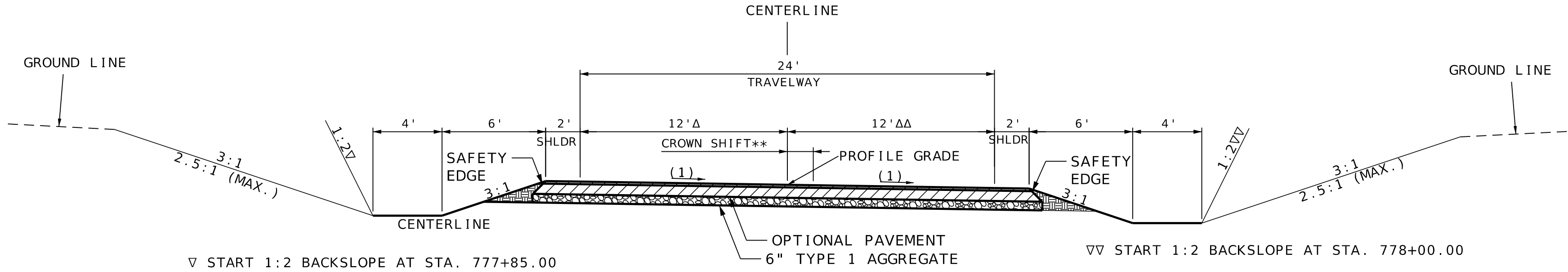
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SEE TYPICAL SECTION SHEET 3 OF 3 FOR OPTIONAL PAVEMENT DESIGNS.

SEE STANDARD PLAN 401.00 FOR SAFETY EDGE DETAILS.

ASPHALT FACTORS	
MATERIAL	TONS/CY
PMBP (BP - 1) , PG64-22	1.948
PMBP (BASE) , PG 64-22	1.943
TACK COAT APPLICATION RATE	
0.10 GAL/YD' (UNDILUTED)	



SECTION ON SUPERELEVATED CURVE

TYPICAL SECTION ROUTE 248

STA. 777+75.00 TO STA. 782+19.24

Δ TRANSITION 12.00' TO 7.03' FROM STA. 779+44.24 TO STA. 782+19.24

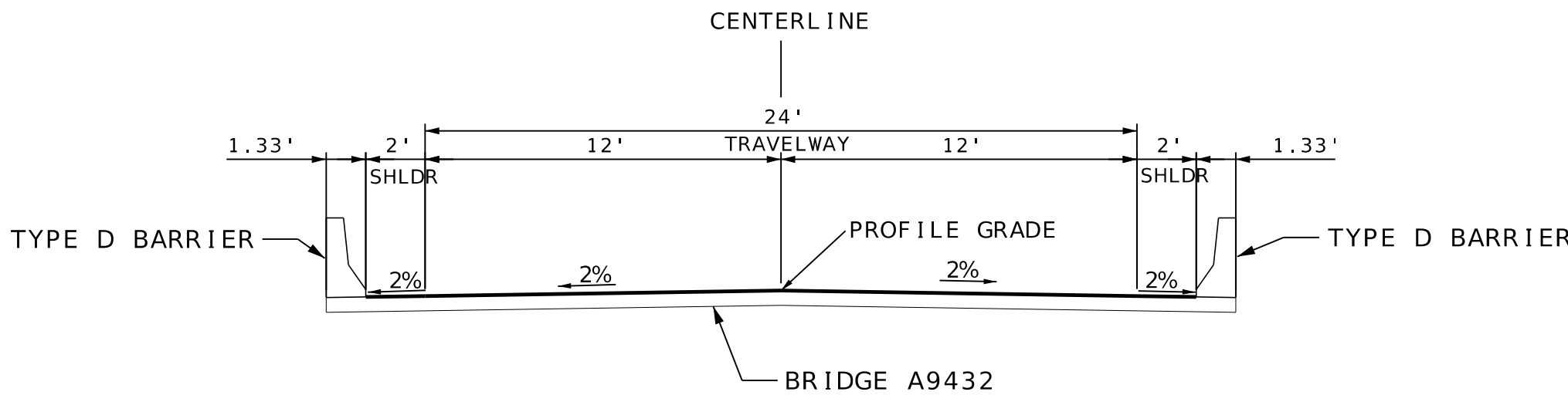
ΔΔ TRANSITION 12.00' TO 13.79' FROM STA. 779+44.24 TO STA. 782+19.24

** CROWN SHIFT RIGHT

TRANSITION 0.00' TO 2.52' FROM STA. 780+79.24 TO STA. 782+19.24

(1) PAVEMENT CROSS SLOPE

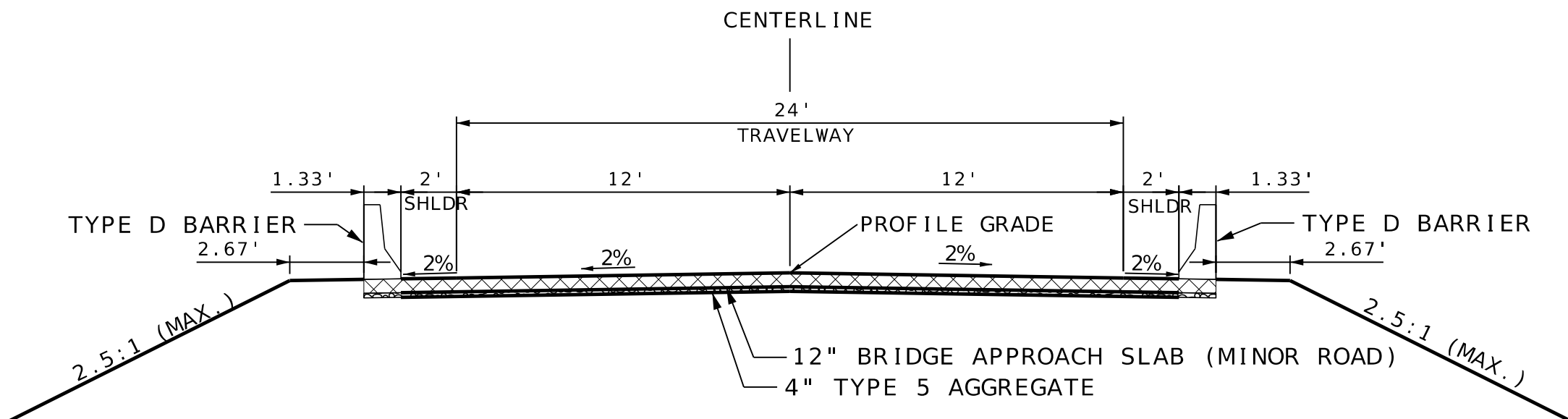
LEFT	STATION	RIGHT
-2.00%	777+87.32	-2.00%
0.00%	778+38.43	-2.00%
2.00%	778+89.54	-2.00%
7.20%	780+22.43	-7.20%
7.20%	781+18.55	-7.20%
4.06%	781+98.80	-6.77%
3.26%	782+19.24	-5.90%



SECTION ON TANGENT

TYPICAL SECTION ROUTE 248

STA. 771+98.50 TO STA. 776+42.00



SECTION ON TANGENT

TYPICAL SECTION ROUTE 248

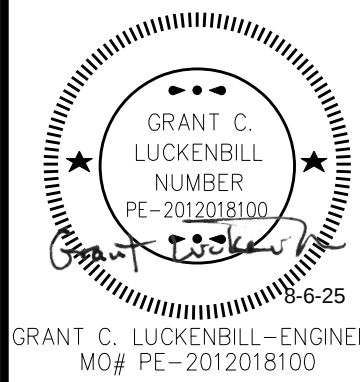
STA. 771+82.50 TO STA. 771+98.50 APPROACH SLAB

STA. 776+58.00 TO STA. 776+62.00 APPROACH SLAB

	DAYLIGHTED TYPE 1 AGGREGATE
	OPTIONAL PAVEMENT
	AGGREGATE BASE
	BRIDGE APPROACH SLAB

NOT TO SCALE

TYPICAL SHEET
2 OF 3



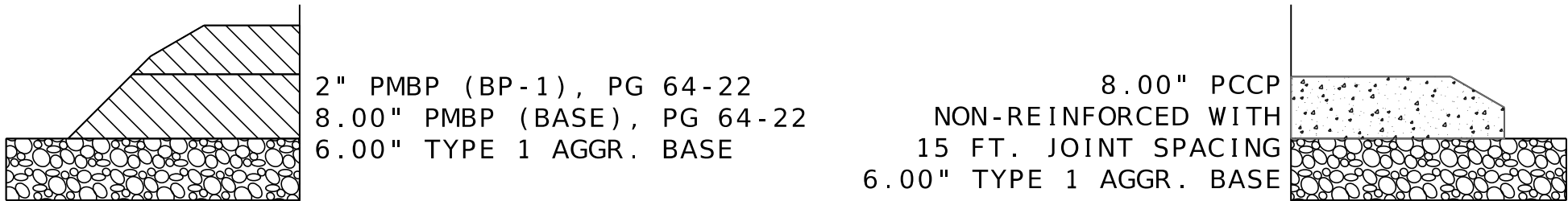
DATE PREPARED 8/5/2025	
ROUTE 24	

NOTE:
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SEE STANDAD PLAN 401.00 FOR SAFETY EDGE DETAILS.

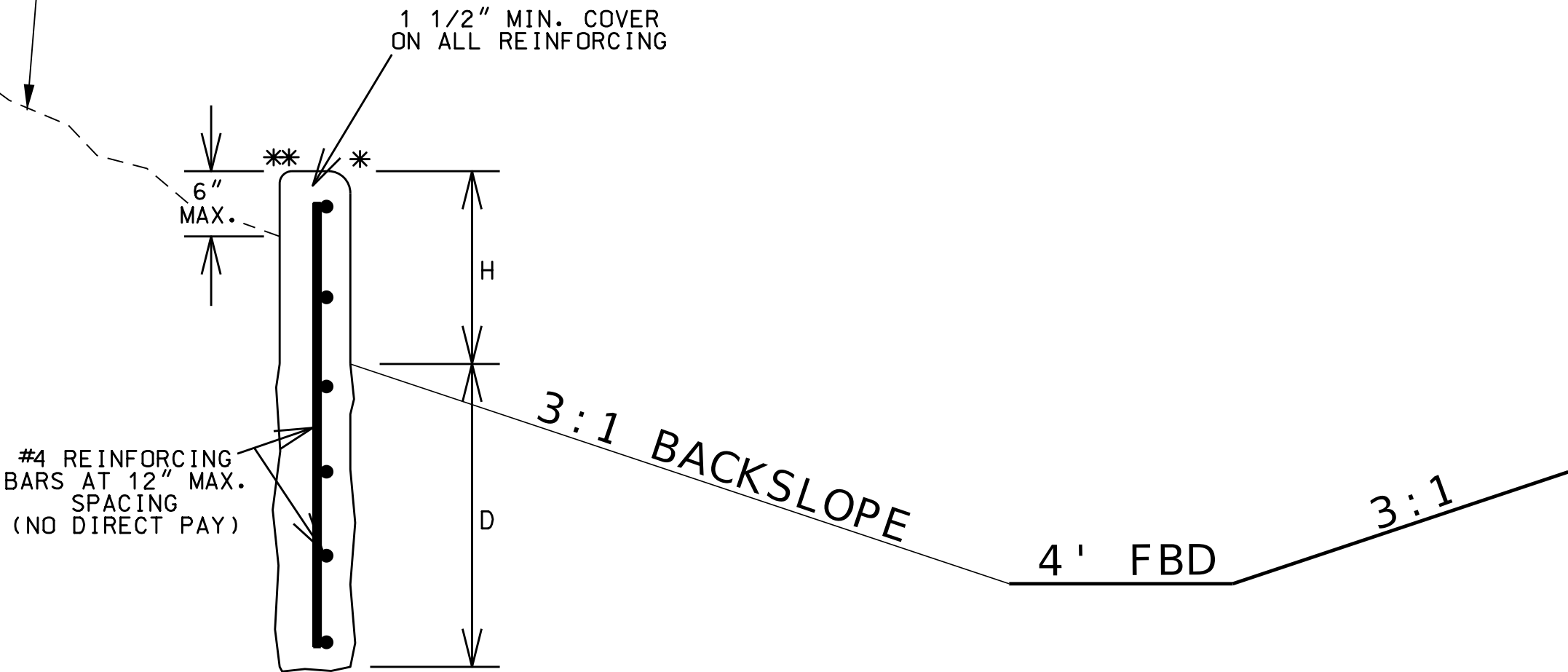
ROUTE 248 OPTIONAL PAVEMENT DESIGN



ASPHALT FACTORS	
MATERIAL	TONS/CY
PMBP (BP - 1) , PG64 - 22	1.948
PMBP (BASE) , PG 64 - 22	1.943
TACK COAT APPLICATION RATE	
0.10 GAL/YD' (UNDILUTED)	

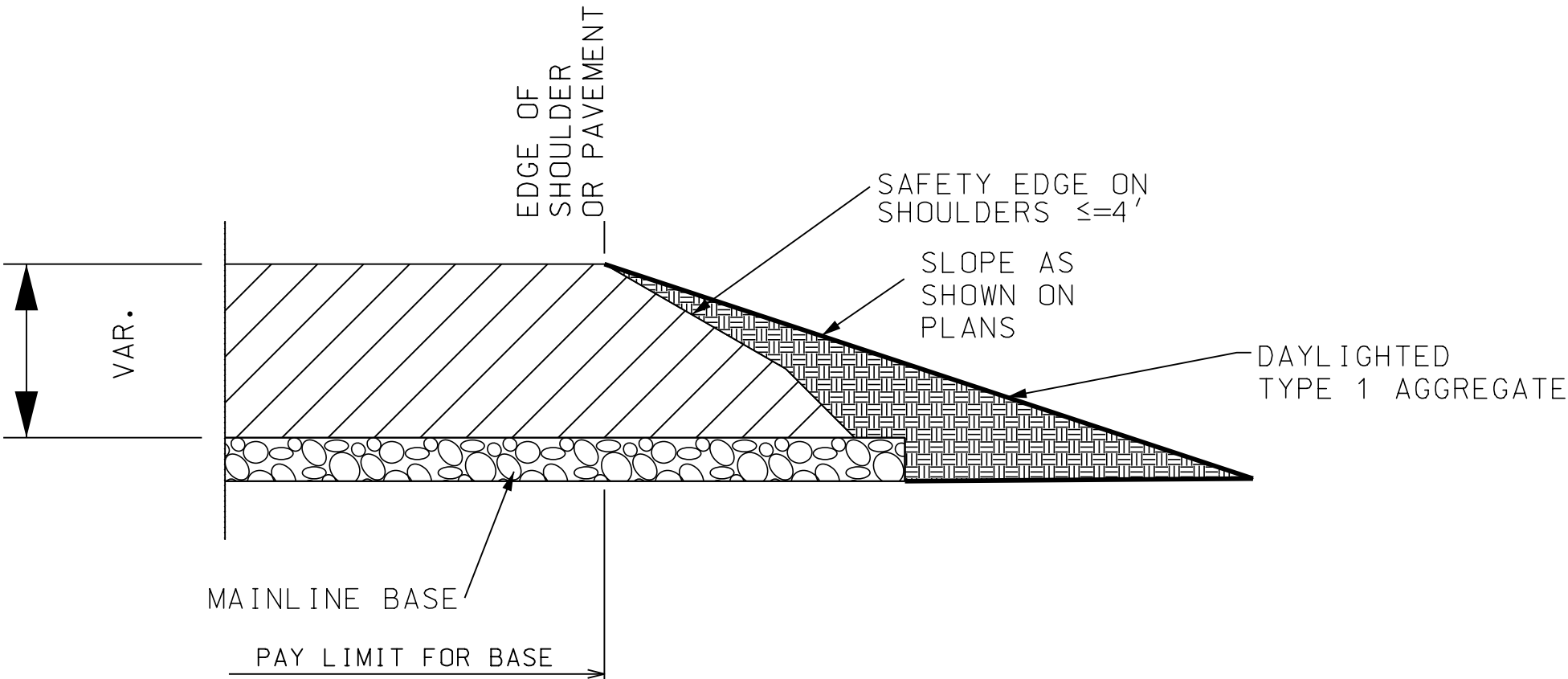
GROUND LINE

TYPE S-CURB (OVER 6 IN. HEIGHT)
> 12" TALL (2'-6" MAX.)

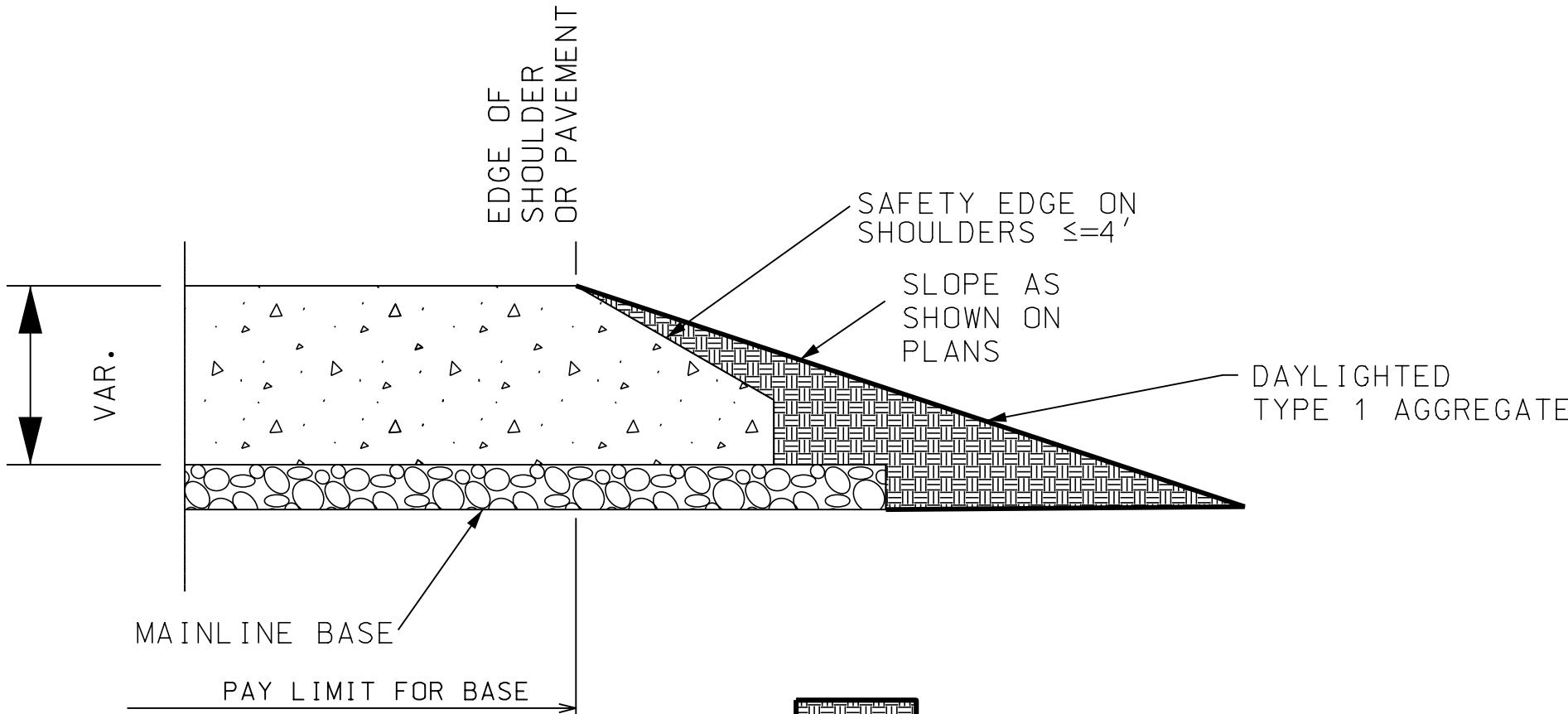
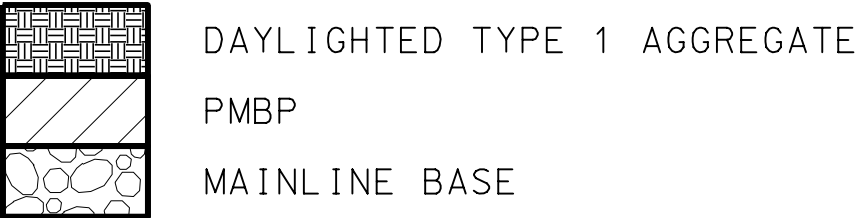


* ROUND TO 3/4" RADIUS
** ROUND TO 1/4" RADIUS
H = 2'-6" MAX. (30")
D = BURY DEPTH (FORMING NOT REQUIRED)
THIS SHALL BE 18 INCHES OR 2/3 H WHICHEVER IS GREATER.
VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

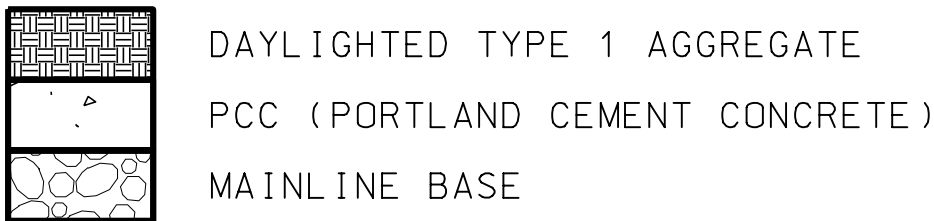
STA. 769+02.66 TO STA. 769+25.32



HMA PAVEMENT



PCCP PAVEMENT



GENERAL NOTE:

1. DAYLIGHTED TYPE 1 AGGREGATE WILL BE CONSIDERED INCIDENTAL TO THE MAINLINE BASE AND NO DIRECT PAYMENT.
2. SEE STANDARD PLAN 401.00 FOR SAFETY EDGE DETAILS.

DAYLIGHTED TYPE 1 AGGREGATE

REMOVAL OF IMPROVEMENTS				
SHEET	STA.	STA.	LOCATION	DESCRIPTION
4	766+06.92		ROUTE 248	26' SAWCUT
4-5	767+26.42	772+07.29	ROUTE 248 LT	494' FENCE
4	769+37.03		ROUTE 248 LT	1 SIGN, 1 POST
4	767+66.49	768+06.39	ROUTE 248 RT	1 GATE, 2 CORNER POST, 23' FENCE
4-5	768+75.00	771+72.34	ROUTE 248 RT	303' FENCE
4	768+94.41		ROUTE 248 RT	1 SIGN, 1 POST
5	771+68.36		ROUTE 248 RT	1 SIGN, 1 POST
5	772+02.88		ROUTE 248 RT	1 SIGN, 1 POST
5	772+03.24		ROUTE 248 RT	1 SIGN, 1 POST
5	772+20.94		ROUTE 248 RT	1 SIGN, 1 POST
5	771+78.00		ROUTE 248 LT	20' X 24" CMP
5	772+01.96		ROUTE 248 LT	1 SIGN, 1 POST
5	772+21.00		ROUTE 248 LT	1 SIGN, 1 POST
6	775+90.20		ROUTE 248 LT	1 SIGN, 1 POST
6	776+08.58		ROUTE 248 LT	1 SIGN, 1 POST
6	776+10.15		ROUTE 248 LT	1 SIGN, 1 POST
6	776+27.00		ROUTE 248 LT	1 SIGN, 1 POST
6	775+95.26	776+90.05	ROUTE 248 LT	99' FENCE
6	775+90.64		ROUTE 248 RT	1 SIGN, 1 POST
6	776+10.03		ROUTE 248 RT	1 SIGN, 1 POST
6	777+91.74		ROUTE 248 RT	1 SIGN, 1 POST
6	778+61.19		ROUTE 248 LT	1 SIGN, 1 POST
6	775+85.00	778+75.00	ROUTE 248 RT	290' FENCE
7	782+19.24		ROUTE 248	25' SAWCUT
1 LUMP SUM				

OPTIONAL RUMBLE STRIPS				
SHEET NO.	STA.	STA.	LOCATION	OPTIONAL RUMBLE STRIPS (STA)
4-5	766+06.92	771+78.5	ROUTE 248	5.7
6-7	776+62.00	782+19.24	ROUTE 248	5.6
TOTAL				11.3

PIPE CULVERTS							
PLAN SHEET NO.	STA.	LOCATION					

ROCK															
SHEET	STA.	OFF.	STA.	OFF.	LOCATION	LENGTH	WIDTH	DEPTH	ROCK LINING	TYPE 2 ROCK DITCH LINER		TYPE 2 ROCK BLANKET		SEPARATION GEOTEXTILE	REMARKS
										FURNISHING	PLACING	FURNISHING	PLACING		
						(FT)	(FT)	(FT)	(CY)	(CY)	(CY)	(CY)	(CY)	(SY)	
4	768+02.13	23.59	768+14.35	23.75	ROUTE 248 LT	12	4	1	2						INCLUDES TOEWALL
4	768+01.40	22.57	768+13.19	22.88	ROUTE 248 RT	12	4	1	2						INCLUDES TOEWALL
5	771+79.00		772+38.32		ROUTE 248	*	*	2				549	549	824	
6	775+89.78		776+61.50		ROUTE 248	*	*	2				779	779	1168	
6	776+61.50	70.87	777+87.00	61.83	ROUTE 248 RT	125.5	4	1	19						INCLUDES TOEWALL
6	777+83.00	24.13	777+87.00	24.13	ROUTE 248 RT	40	4	1		4	4				DRAIN FLUME
								TOTALS	23	4	4	1328	1328	1992	
* VARIES, SEE PLAN SHEETS.															

TEMPORARY EROSION CONTROL														
SHEET NO.	STA.	OFF.	STA.	OFF.	LOCATION	PHASE	ROCK DITCH CHECK	TYPE C BERM						

SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *					PIPE POSTS *					BACKING BARS **				U- CHANNEL POST	PERFORATED SQUARE STEEL TUBE												REMARKS AND OTHER REQUIRED ITEMS						
902 SIGNAL SIGNS TABULATED ON D-37A SHEET																							2 IN. POST						2.5 IN. POST											
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.		POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210 LBS	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	2" X 3/8" BARS AT 2.55 LBS PER FT				ITEM NO. 9031250A LBS		POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A LBS	ANCHORS			POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280 LBS	2.25" INSERT (6 FT)			DRIVEN 7 GA. ITEM NO. 9031281A EA	CONCRETE 7 GA. ITEM NO. 9031285 EA	BREAK- AWAY ASSEMBLY ITEM NO. 9031241 EA		
																		NO.	LGTH	TOTAL	TOTAL																			

01
HARMON, WALTER
& FELICIA
SEE SHEET 4

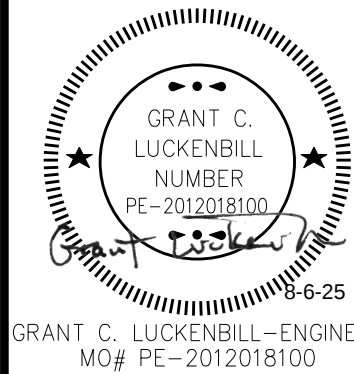
STA. 770+32.50 TO
STA. 771+82.50 C RTE. 248 LT.
62.5' MGS GUARDRAIL,
1 MGS BRIDGE APPROACH TRANSITION,
1 MGS TYPE A CRASHWORTHY
END TERMINAL

SE 1/4 SW 1/4
SEC. 19
T24N R25W

EXIST. BRIDGE NO. J0382
STA. 773+72.33.00 C RTE. 248
S-8120 TRUSS SPANS
(1-122' & 2-120')
(REMOVE)

PROPOSED BRIDGE NO. A9432
STA. 771+98.50 C RTE. 248
TYPE NU63 P/S CONCRETE
I-GIRDER SPAN
(115'-115'-80'-130')
D.A.= 217 SQ MI
Q50= 35500 CFS

03
BROOMFIELD, LORA
SEE SHEET 6



DATE PREPARED
8/5/2025
ROUTE 248 STATE MO
DISTRICT SW SHEET NO. 5
COUNTY BARRY
JOB NO. JSR0119
CONTRACT ID.

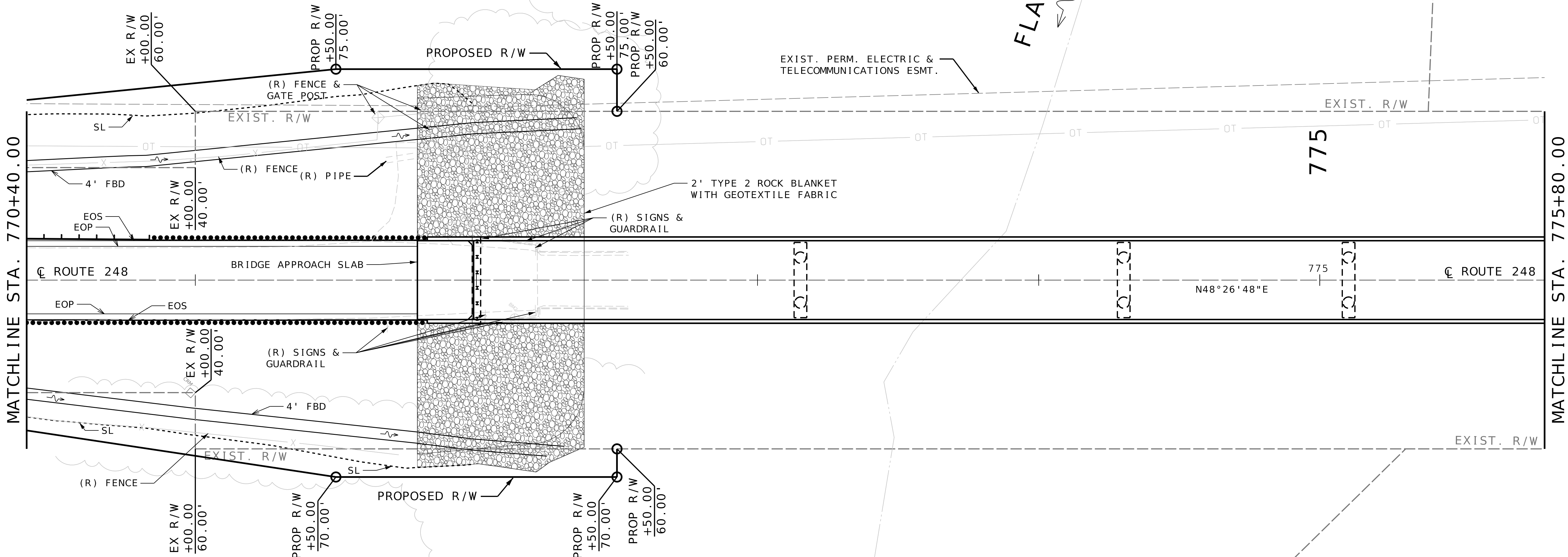
PROJECT NO.
BRIDGE NO. A9432

DESCRIPTION	DATE

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

olsson
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PHONE: 417.890.8802
CERTIFICATE OF AUTHORITY NO. 001592

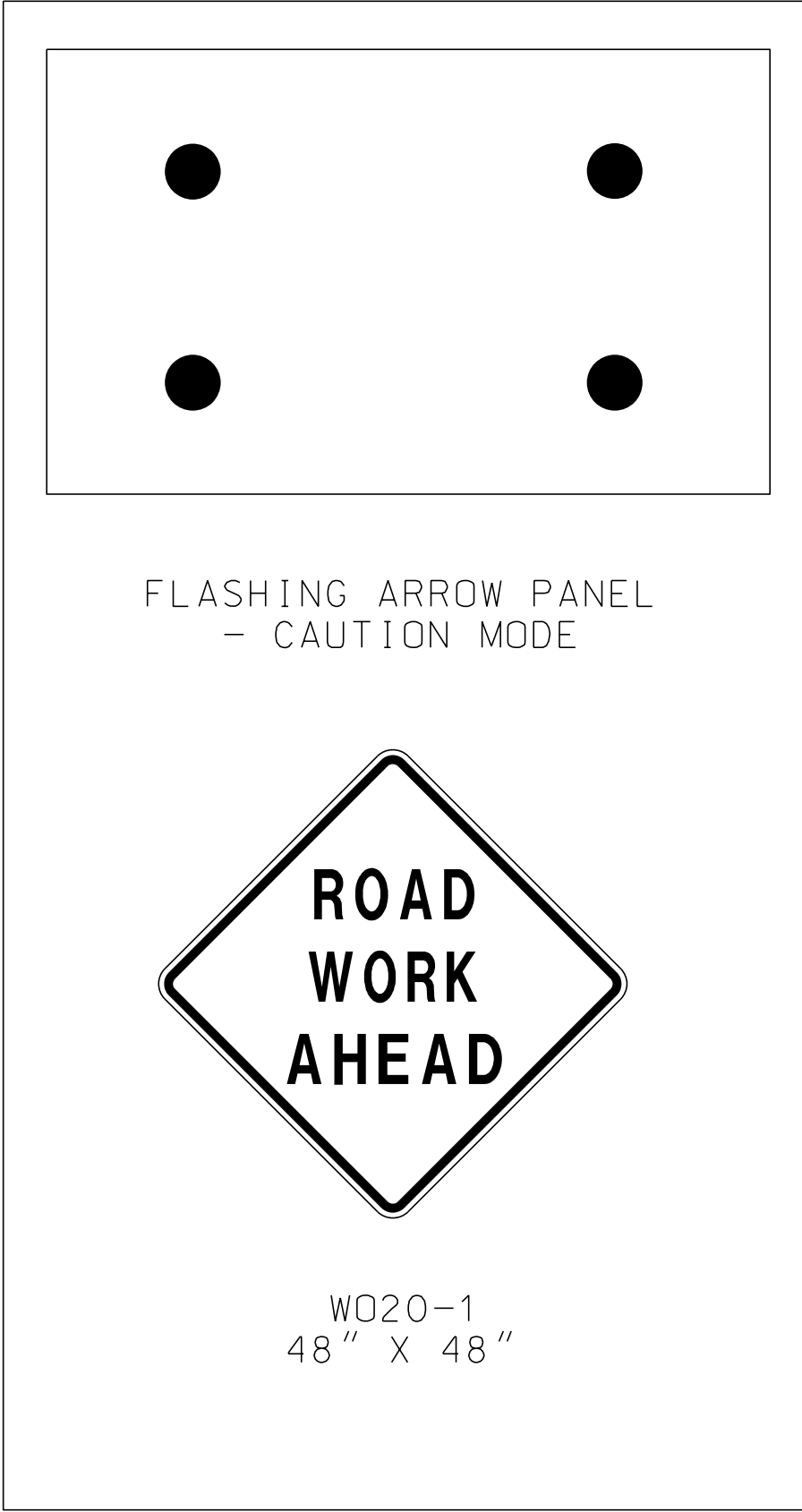
PLAN SHEET
SHEET 2 OF 5



02
LONG, MITCHELL
& ETALS
SEE SHEET 4

04
SOUTHARD, JILL L.
SEE SHEET 6

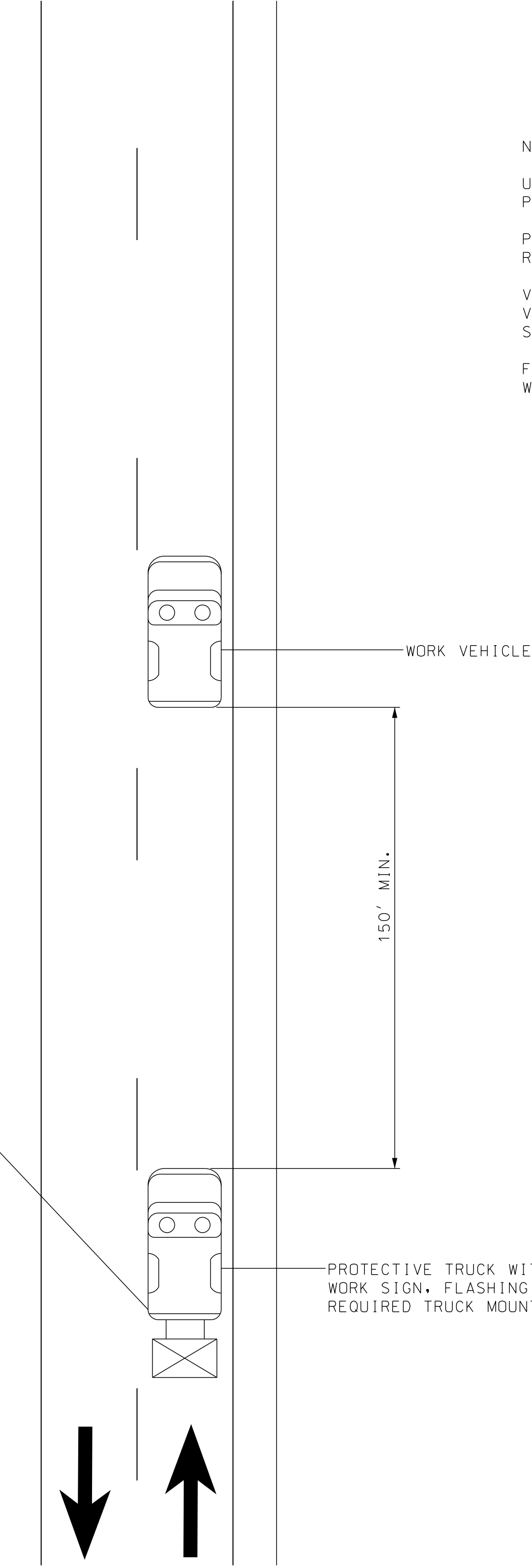
NOT TO SCALE



FLASHING ARROW PANEL
- CAUTION MODE



W020-1
48" X 48"



NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.



THIS SHEET HAS BEEN
SIGNED, SEALED AND
DATED ELECTRONICALLY.

DATE PREPARED

7/22/2025

ROUTE STATE

248 MO

DISTRICT SHEET NO.

SW 13

COUNTY

BARRY

JOB NO.

JSR0119

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

A9432

DESCRIPTION

DATE

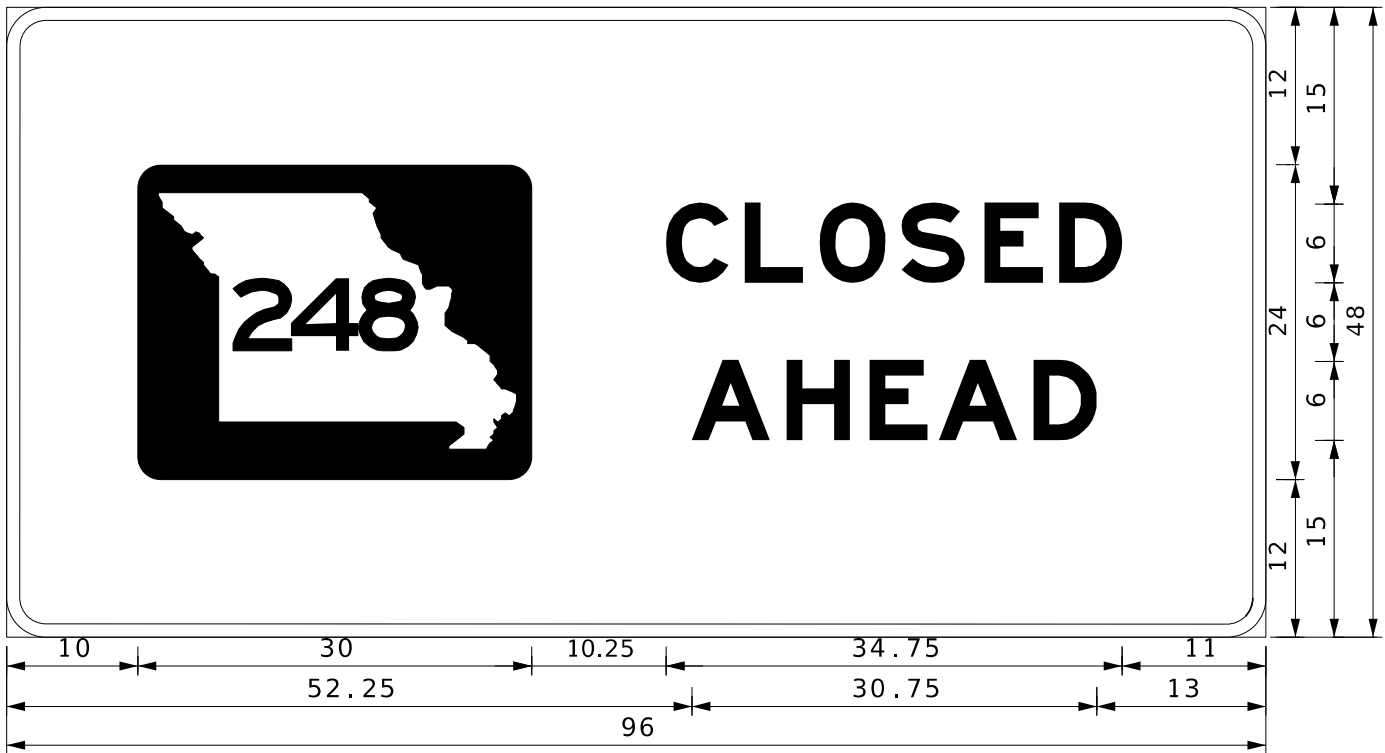
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

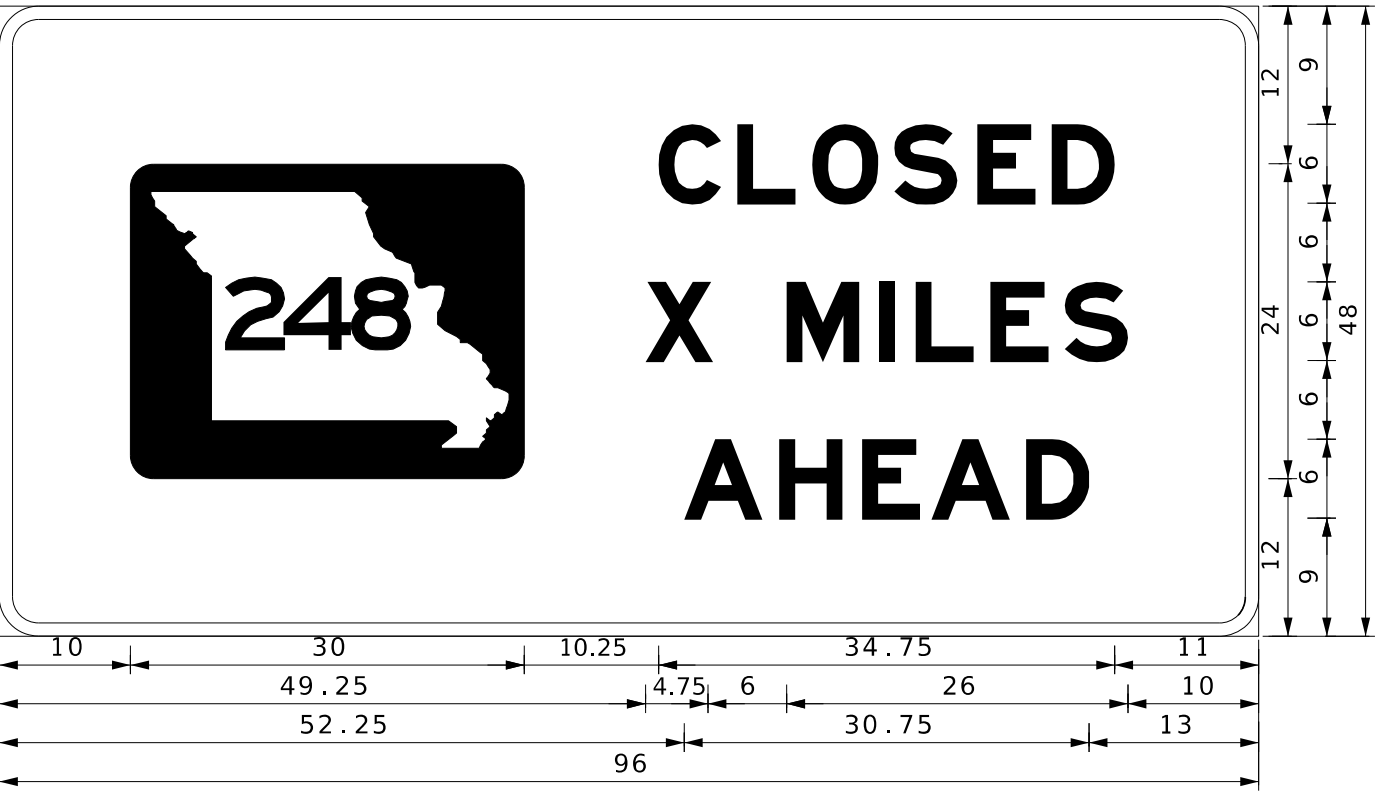
1-888-ASK-MODOT (1-888-275-6636)

MoDOT



MO4-13-96 SHF-FLAT SHEET FLUORESCENT; 3.000" Radius, 1.000" Border, Black on Orange;
[CLOSED] E Mod; [2 MILES] E Mod; [AHEAD] E Mod;
Table of letter and object lefts.

	C	L	O	S	E	D
10.000	50.250	56.250	62.000	68.250	74.500	80.250
X	M	I	L	E	S	
49.250	60.000	67.125	69.875	75.500	81.250	
A	H	E	A	D		
52.250	59.375	65.750	71.000	78.250		



MO4-13-96 SHF-FLAT SHEET FLUORESCENT; 3.000" Radius, 1.000" Border, Black on Orange;
[CLOSED] E Mod; [2 MILES] E Mod; [AHEAD] E Mod;
Table of letter and object lefts.

	C	L	O	S	E	D
10.000	50.250	56.250	62.000	68.250	74.500	80.250
X	M	I	L	E	S	
49.250	60.000	67.125	69.875	75.500	81.250	
A	H	E	A	D		
52.250	59.375	65.750	71.000	78.250		

NOTE: X SHALL BE REPLACED
WITH MILES PER PLAN, AS
INDICATED BELOW.

- (1) X = 13
(2) X = 5



THIS SHEET HAS BEEN
SIGNED, SEALED AND
DATED ELECTRONICALLY.

DATE PREPARED
7/22/2025

ROUTE	STATE
248	MO
DISTRICT	SHEET NO.
SW	15

