MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY
LACLEDE COUNTY
FINAL PLANS

DESIGN DESIGNATION

A.A.D.T. - 2027 = 29,735
A.A.D.T. - 2047 = 49,975
T = 29.0%
V = 70 M.P.H.
D = WB 52.0%
D.H.V. = 10%

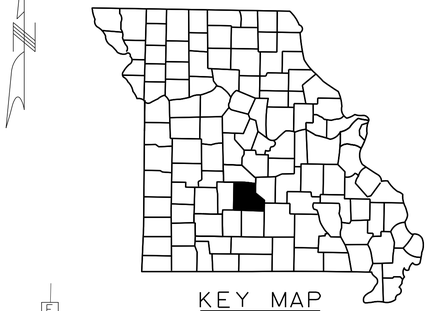
FUNCTIONAL CLASSIFICATION-INTERSTATE

NO NEW RIGHT-OF-WAY REQUIRED.

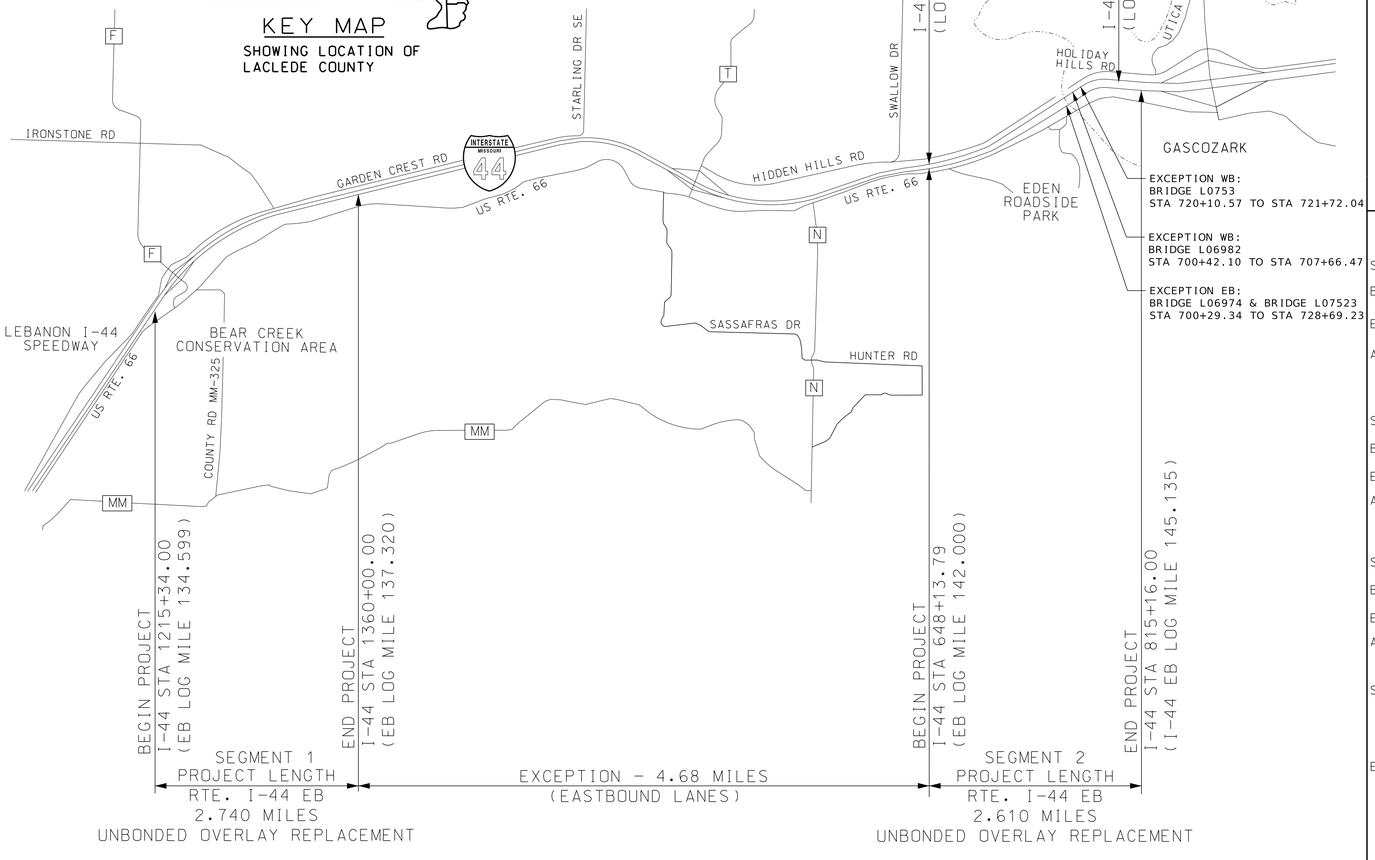
CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



KEY MAP
SHOWING LOCATION OF LACLEDE COUNTY



NOT TO SCALE

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS)(7 SHEETS)	2
QUANTITIES (QU)(9 SHEETS)	3
PLAN AND PROFILE (PP)(16 SHEETS)	4-19
PROFILES (PR)	20
REFERENCE POINTS (RP)(2 SHEETS)	21-22
COORDINATE POINTS (CP)	23
SPECIAL SHEETS (SS)(5 SHEETS)	24-28
WARPING DETAILS (WD)(2 SHEETS)	29-30
EROSION CONTROL (EC)(8 SHEETS)	31-38
SIGNING SHEETS (SN)	39
PAVEMENT MARKING (PM)(9 SHEETS)	40-48
CROSS SECTIONS (XS)	1-145
TRAFFIC CONTROL (TC)----SEE PROJECT JST0119	

LENGTH OF PROJECT

SEGMENT 1 (EB)

BEGINNING OF PROJECT	STA 1215+34.00
END OF PROJECT	STA 1360+.00.00
APPARENT LENGTH	14.466.00 FEET

SEGMENT 2 (EB)

BEGINNING OF PROJECT	STA 648+13.79
END OF PROJECT	STA 815+16.00
APPARENT LENGTH	16.702.21 FEET

SEGMENT 3 (WB)

BEGINNING OF PROJECT	STA 648+13.79
END OF PROJECT	STA 778+00.00
APPARENT LENGTH	12.986.21 FEET

STATION EQUATIONS

697+63.61 BK = 698+50.60 AHD	-86.99 FEET
774+30.50 BK = 774+34.90 AHD	-4.40 FEET
811+93.00 BK = 811+83.91 AHD	+9.09 FEET

EXCEPTIONS

700+29.34 TO 728+69.23 (EB)	-2,839.89 FEET
700+42.10 TO 707+66.47 (WB) (BRL0698)	-724.37 FEET
720+10.57 TO 721+72.04 (WB) (BRL0753)	-161.47 FEET

TOTAL CORRECTIONS (EB)	-2.922.19	FEET
TOTAL CORRECTIONS (WB)	-977.23	FEET
NET LENGTH OF PROJECT (EB)	28.246.02	FEET
NET LENGTH OF PROJECT (WB)	12.008.98	FEET
STATE LENGTH (EB)	5.350	MILES
STATE LENGTH (WB)	2.274	MILES

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

10/12/2026 6:09:55 PM
William G. Krussel
MO PE-27561

DATE PREPARED
9/29/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	1

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

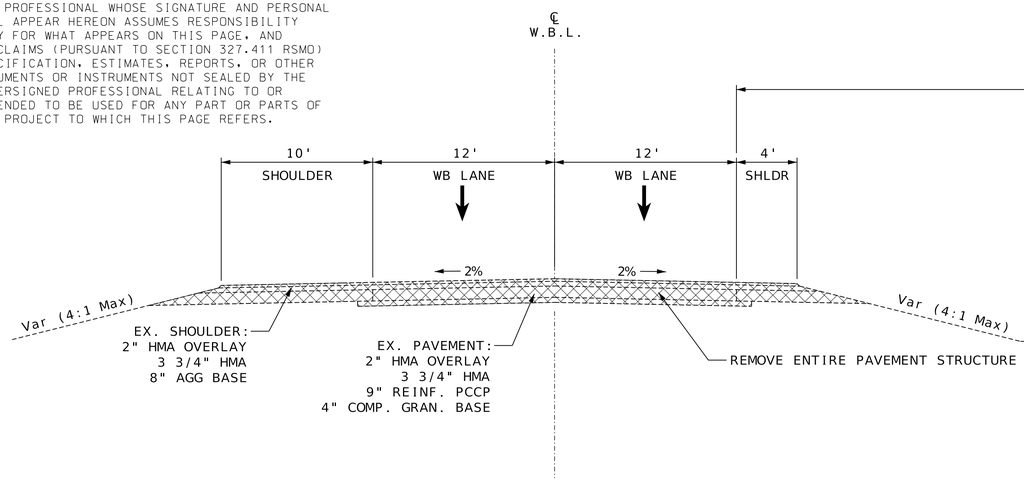
BRIDGE NO.

DESCRIPTION	DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

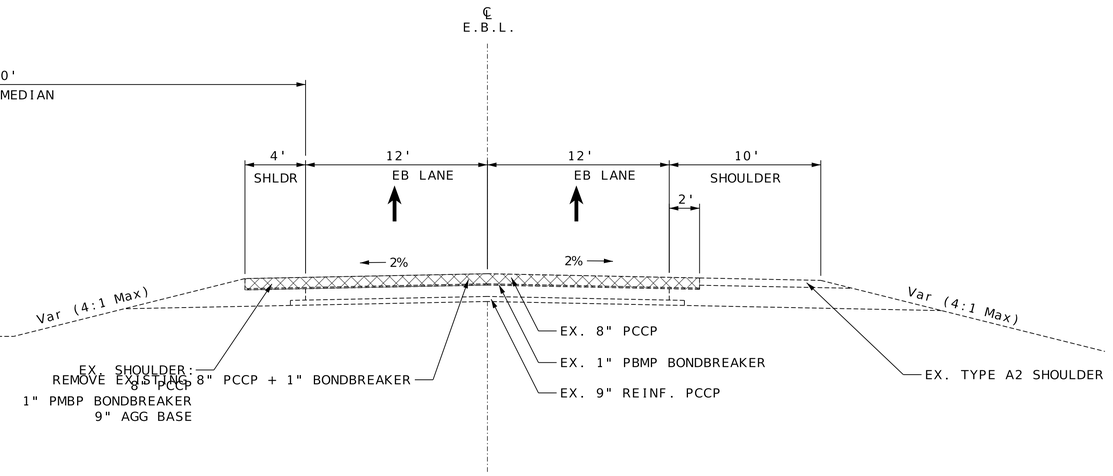
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



ROUTE I-44 WBL
EXISTING TYPICAL SECTION

STA. 648+13.79 TO STA. 778+00.00 WB

EXCEPTIONS:
STA. 700+42.10 TO STA. 707+66.47 WB
STA. 720+10.57 TO STA. 721+72.04 WB



ROUTE I-44 EBL
EXISTING TYPICAL SECTION

STA. 1215+34.00 TO STA. 1360+00.00 EB
STA. 648+13.79 TO STA. 815+16.00 EB

EXCEPTIONS:
STA. 700+29.34 TO STA. 728+69.23 EB

TYPICAL SECTIONS
1 OF 7

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:23 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

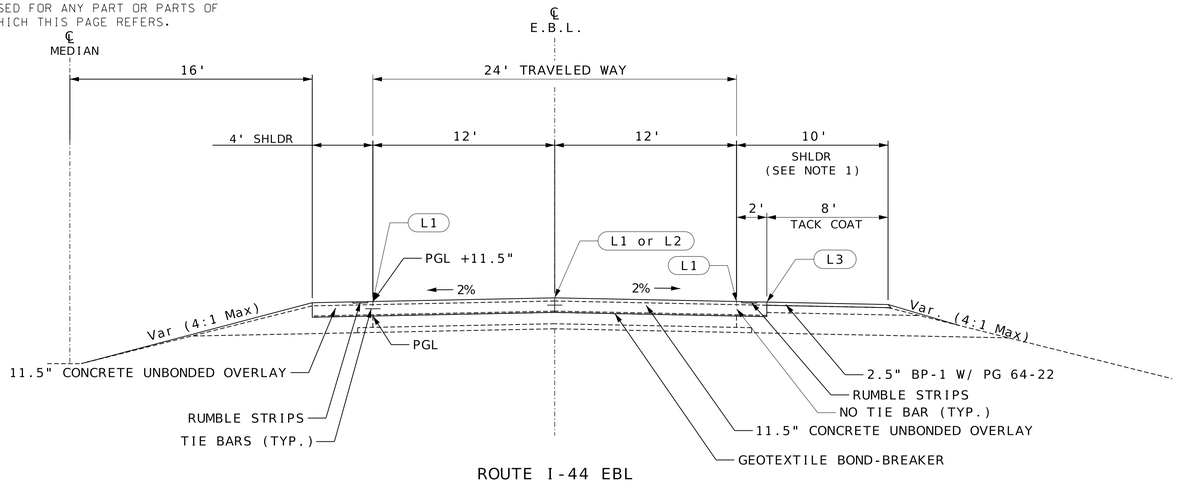
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

002_TS_01_JCD0270_I5.dgn 7:52:40 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



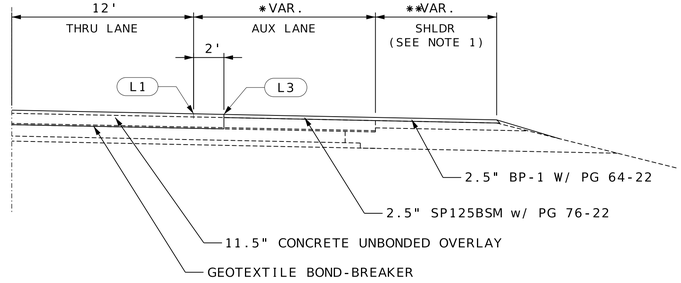
ROUTE I-44 EBL
SEGMENT 1
TYPICAL SECTION ON TANGENT

STA. 1217+34.00 TO STA. 1241+93.34 EB
STA. 1304+84.12 TO STA. 1360+00.00 EB

NOTES:

1. IF EXISTING SHOULDERS CANNOT BE USED IN PLACE, REPLACE WITH TYPE A2 SHOULDERS. AS DIRECTED BY THE ENGINEER.

2. SAWCUT JOINTS ARE TO BE SPACED EVERY 15 FEET WITHIN THE TRAVELED WAY. PLACE 1.5 INCH DIAMETER 18 INCH LONG DOWELED BARS AT 12 INCH CENTERS ACROSS EACH JOINT ACCORDING TO THE MODOT STANDARD PLANS. (SEE TABLE ON STANDARD DRAWING 502.05S SHEET 3 OF 4 FOR REFERENCE.)



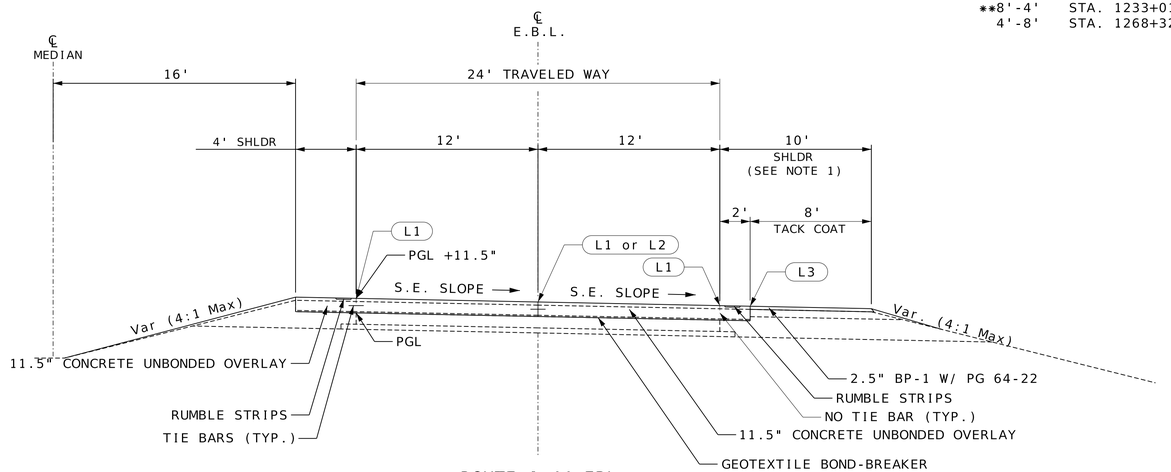
ROUTE I-44 EBL
SEGMENT 1
OVERLAY AUXILIARY LANES
AT ENTRANCE AND EXIT RAMPS

RAMP 2
STA. 1233+01.39 TO STA. 1239+00.90 EB (℄ I-44)
STA. 0+00.00 TO STA. 2+49.66 (℄ RAMP 2)

RAMP 4
STA. 1261+88.64 TO STA. 1268+92.70 EB (℄ I-44)
STA. 10+60.08 TO STA. 12+12.93 (℄ RAMP 4)

*0'-12' STA. 1233+01.39 TO STA. 1235+51.39 EB
12'-0' STA. 1265+92.70 TO STA. 1268+92.70 EB

**8'-4' STA. 1233+01.39 TO STA. 1233+84.63 EB
4'-8' STA. 1268+32.80 TO STA. 1268+92.70 EB



ROUTE I-44 EBL
SEGEMENT 1
TYPICAL SECTION ON CURVE

STA. 1241+93.34 TO STA. 1244+50.00 EB
STA. 1255+00.00 TO STA. 1304+84.12 EB

JOINT LEGEND

SEE STANDARD PLAN 502.05 (SHEET 3)

(L1) LONGITUDINAL JOINT
(L2) LONGITUDINAL CONSTRUCTION JOINT
(L3) LONGITUDINAL CONSTRUCTION JOINT FOR SHOULDERS AND APPROACHES

GENERAL NOTES:

ESTIMATE FACTORS:
BP-1 W/ PG 64-22 = 1.948 TON/CY
SP125BSM = 1.927 TON/CY
TACK = 0.08 GAL/SY (EX. ASPHALT SURFACES)

TYPICAL SECTIONS
2 OF 7

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:23 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

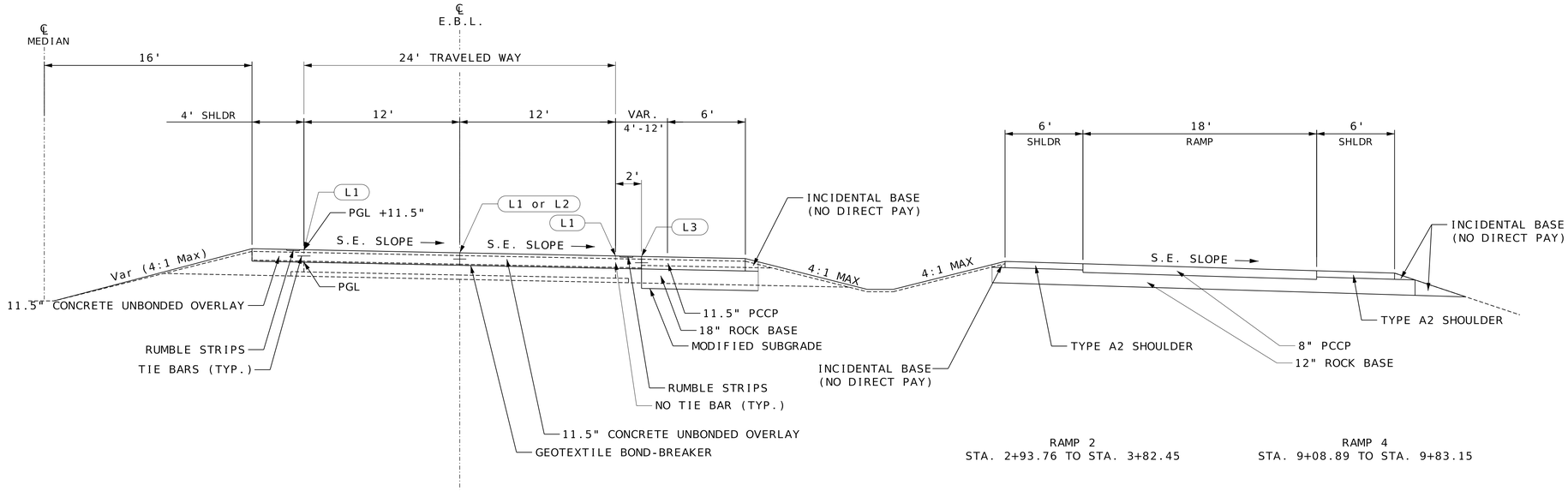
002_TS_02_JCD0270_I5.dgn 7:53:42 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTES:

1. SAWCUT JOINTS ARE TO BE SPACED EVERY 15 FEET WITHIN THE TRAVELED WAY. PLACE 1.5 INCH DIAMETER DOWELED BARS AT 12 INCH CENTERS ACROSS EACH JOINT ACCORDING TO THE MODOT STANDARD PLANS.

2. SEE SPECIAL SHEETS FOR ROCK BASE DAYLIGHTING DETAILS.



ROUTE I-44 EBL
SEGMENT 1
FULL DEPTH WIDENING AT
EXIT RAMP
STA. 1240+53.04 TO STA. 1243+92.76 EB

RAMP 2
STA. 2+93.76 TO STA. 3+82.45

RAMP 4
STA. 9+08.89 TO STA. 9+83.15

JOINT LEGEND

SEE STANDARD PLAN 502.05 (SHEET 3)

L1 LONGITUDINAL JOINT
L2 LONGITUDINAL CONSTRUCTION JOINT
L3 LONGITUDINAL CONSTRUCTION JOINT FOR SHOULDERS AND APPROACHES

TYPICAL SECTIONS
3 OF 7

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:23 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

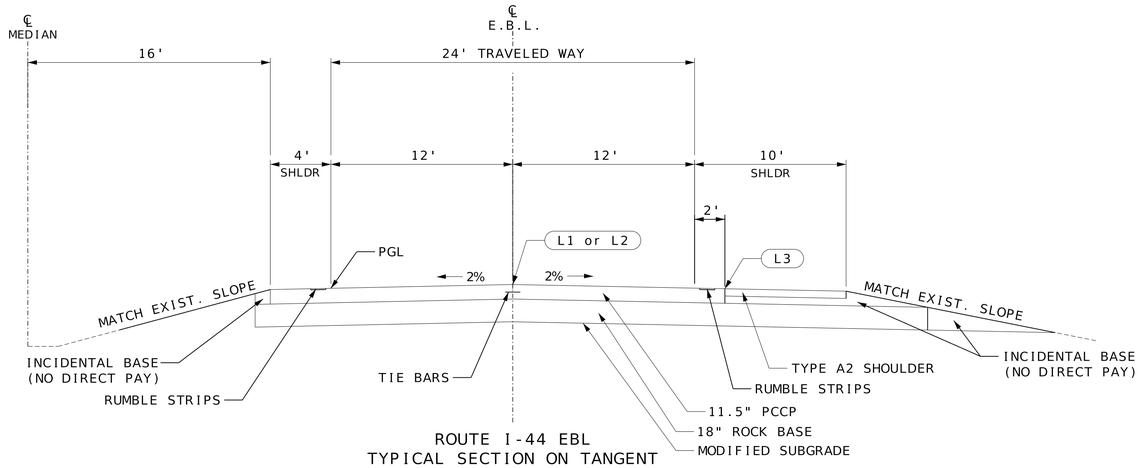
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

002_TS_03_JCD0270_I5.dgn 7:54:47 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

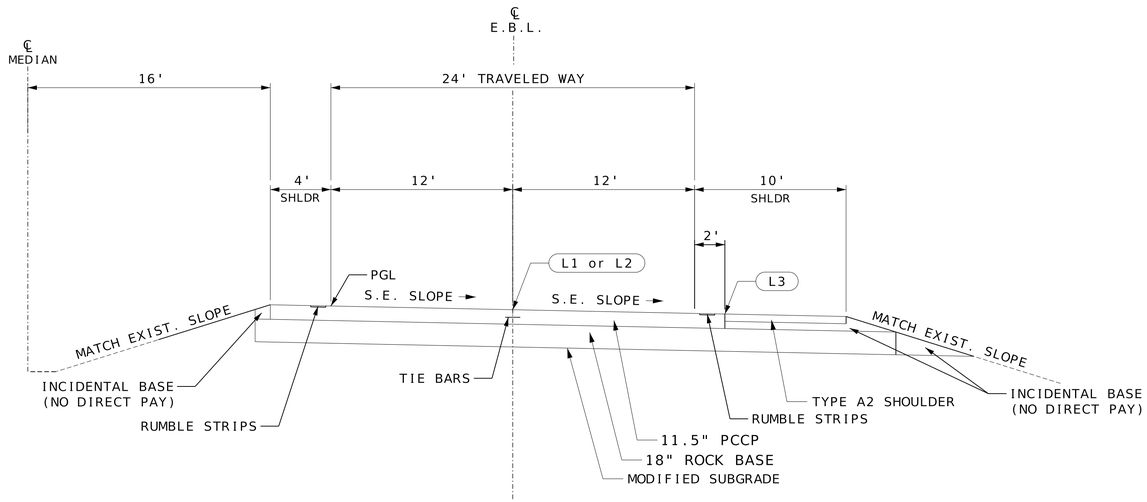
NOTES:

1. SAWCUT JOINTS ARE TO BE SPACED EVERY 15 FEET WITHIN THE TRAVELED WAY.
2. SEE SPECIAL SHEETS FOR ROCK BASE DAYLIGHTING DETAILS.



ROUTE I-44 EBL
TYPICAL SECTION ON TANGENT
SEGMENT 1&2
FULL DEPTH REPLACEMENT
CONCRETE

STA. 1215+34.00 TO STA. 1217+34.00 EB
STA. 696+65.67 TO STA. 700+29.34 EB
STA. 728+69.23 TO STA. 731+19.23 EB



ROUTE I-44 EBL
TYPICAL SECTION ON CURVE
SEGMENT 1&2
FULL DEPTH REPLACEMENT
CONCRETE

STA. 1244+50.00 TO STA. 1255+00.00 EB
STA. 689+92.35 TO STA. 696+65.67 EB

JOINT LEGEND

SEE STANDARD PLAN 502.05(SHEET 3)

(L1) LONGITUDINAL JOINT
(L2) LONGITUDINAL CONSTRUCTION JOINT
(L3) LONGITUDINAL CONSTRUCTION JOINT FOR SHOULDERS AND APPROACHES

TYPICAL SECTIONS
4 OF 7

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:24 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

002_TS_04_JCD0270_I5.dgn 7:55:57 AM 9/19/2026

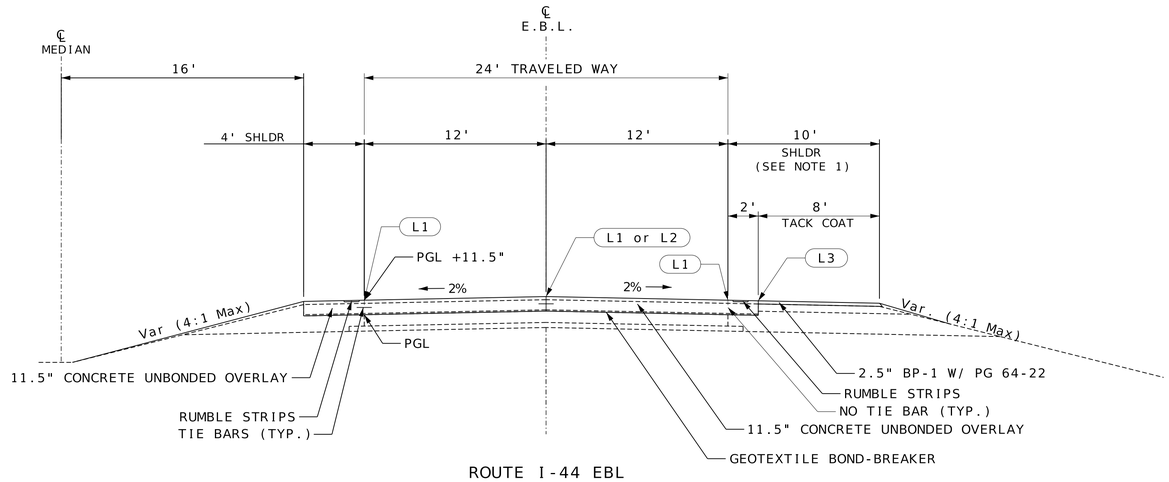
DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTES:

1. IF EXISTING SHOULDERS CANNOT BE USED IN PLACE, REPLACE WITH TYPE A2 SHOULDERS. AS DIRECTED BY THE ENGINEER.

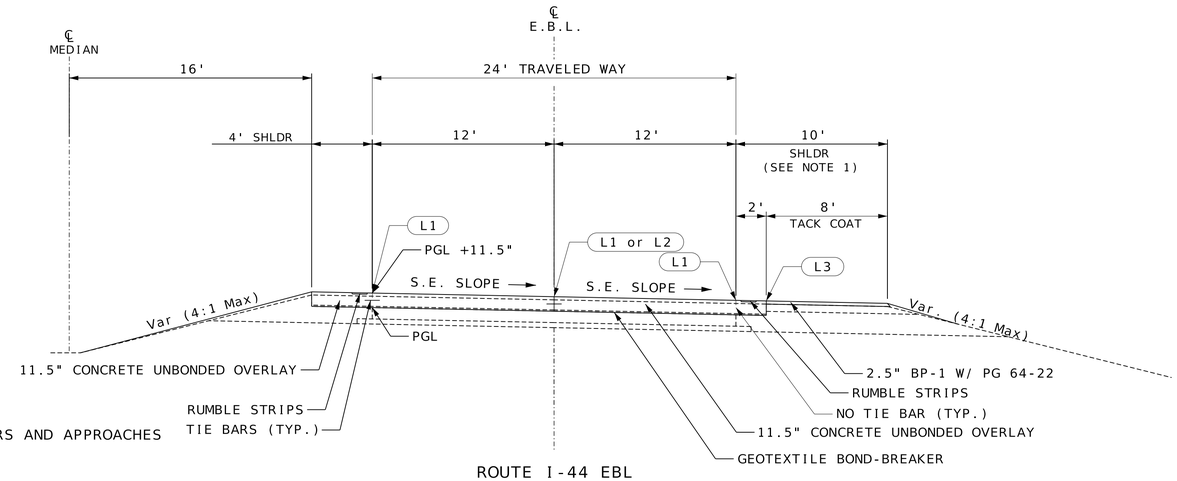
2. SAWCUT JOINTS ARE TO BE SPACED EVERY 15 FEET WITHIN THE TRAVELED WAY. PLACE 1.5 INCH DIAMETER DOWELED BARS AT 12 INCH CENTERS ACROSS EACH JOINT ACCORDING TO THE MODOT STANDARD PLANS.



ROUTE I-44 EBL
SEGMENT 2
TYPICAL SECTION ON TANGENT

STA. 648+13.79 TO STA. 680+31.80 EB
STA. 731+19.23 TO STA. 753+23.95 EB
STA. 774+34.90 TO STA. 803+71.39 EB
STA. 811+83.91 TO STA. 815+16.00 EB

EXCEPTIONS:
STA. 700+29.34 TO STA. 728+69.23 EB



ROUTE I-44 EBL
SEGEMENT 2
TYPICAL SECTION ON CURVE

STA. 680+31.80 TO STA. 689+92.35 EB
STA. 753+23.95 TO STA. 774+34.90 EB
STA. 803+71.39 TO STA. 811+83.91 EB

JOINT LEGEND

SEE STANDARD PLAN 502.05 (SHEET 3)

- L1 LONGITUDINAL JOINT
- L2 LONGITUDINAL CONSTRUCTION JOINT
- L3 LONGITUDINAL CONSTRUCTION JOINT FOR SHOULDERS AND APPROACHES

GENERAL NOTES:

ESTIMATE FACTORS:
BP-1 W/ PG 64-22 = 1.948 TON/CY
TACK = 0.08 GAL/SY (EX. ASPHALT SURFACES)

TYPICAL SECTIONS
5 OF 7

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:24 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

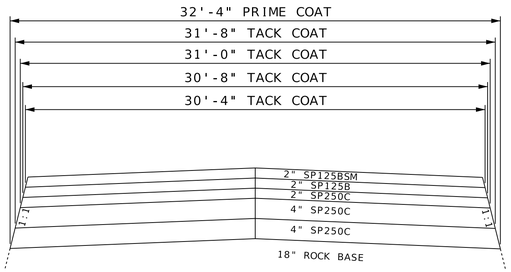
BRIDGE NO.

DESCRIPTION	DATE

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

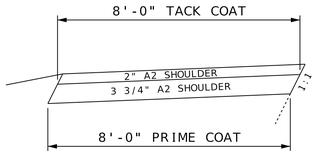
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

NOTE: PRIME COAT AND TACK COAT ARE INDICATED FOR EACH HMA LIFT FOR CLARITY. HMA LIFT CONFIGURATIONS ARE PROVIDED AS A GUIDELINE ONLY. THE CONTRACTOR SHALL COMPLY WITH MODOT STANDARD SPECIFICATIONS FOR MINIMUM LIFT THICKNESS REQUIREMENTS.



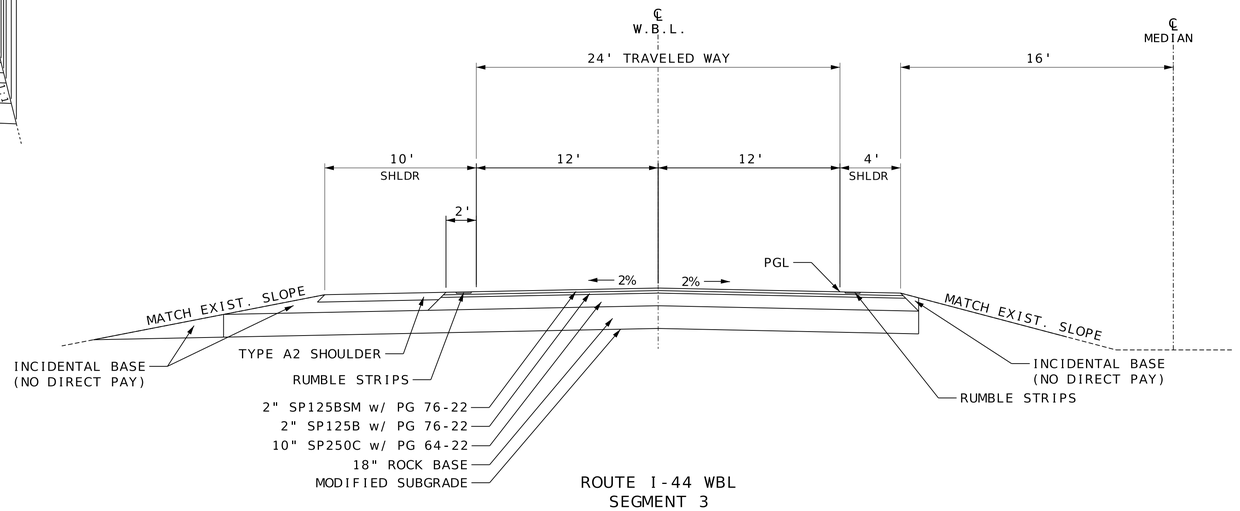
PRIME AND TACK COAT DETAIL

MAINLINE
HORIZONTAL 1:1
VERTICAL 1:4
FOR INFORMATIONAL PURPOSES ONLY



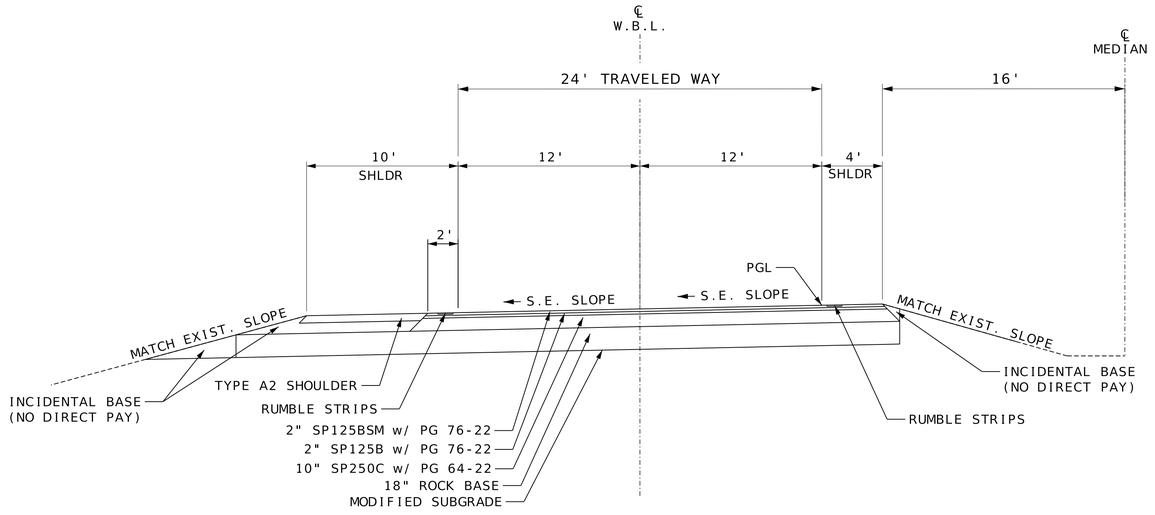
PRIME AND TACK COAT DETAIL

A2 SHOULDERS - HMA
HORIZONTAL 2:1
VERTICAL 1:4
FOR INFORMATIONAL PURPOSES ONLY



ROUTE I-44 WBL
SEGMENT 3
TYPICAL SECTION ON TANGENT
ASPHALT
STA. 648+13.79 TO STA. 680+31.80 WB
STA. 696+65.67 TO STA. 753+23.95 WB
STA. 774+34.90 TO STA. 778+00.00 WB

EXCEPTIONS:
STA. 700+42.10 TO STA. 707+66.47 WB
STA. 720+10.57 TO STA. 721+72.04 WB



ROUTE I-44 WBL
SEGMENT 3
TYPICAL SECTION ON CURVE
ASPHALT
STA. 680+31.80 TO STA. 696+65.67 WB
STA. 753+23.95 TO STA. 774+34.90 WB

GENERAL NOTES:

ESTIMATE FACTORS:
TACK = 0.08 GAL/SY (NEW ASPHALT SURFACES)
PRIME = 0.35 GAL/SY (AGGREGATE BASE)
SP125BSM = 1.927 TON/CY
SP125B = 1.927 TON/CY
SP250C = 1.946 TON/CY

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTES:

1. SEE SPECIAL SHEETS FOR ROCK BASE DAYLIGHTING DETAILS.

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
10/12/2026 10:15:25 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

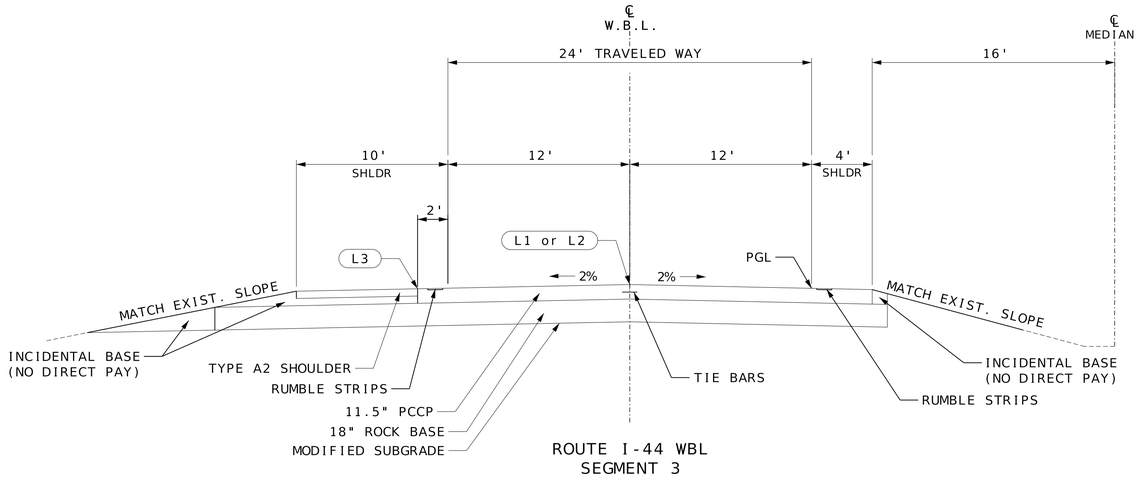
ALTERNATE A
TYPICAL SECTIONS
6 OF 7

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTES:

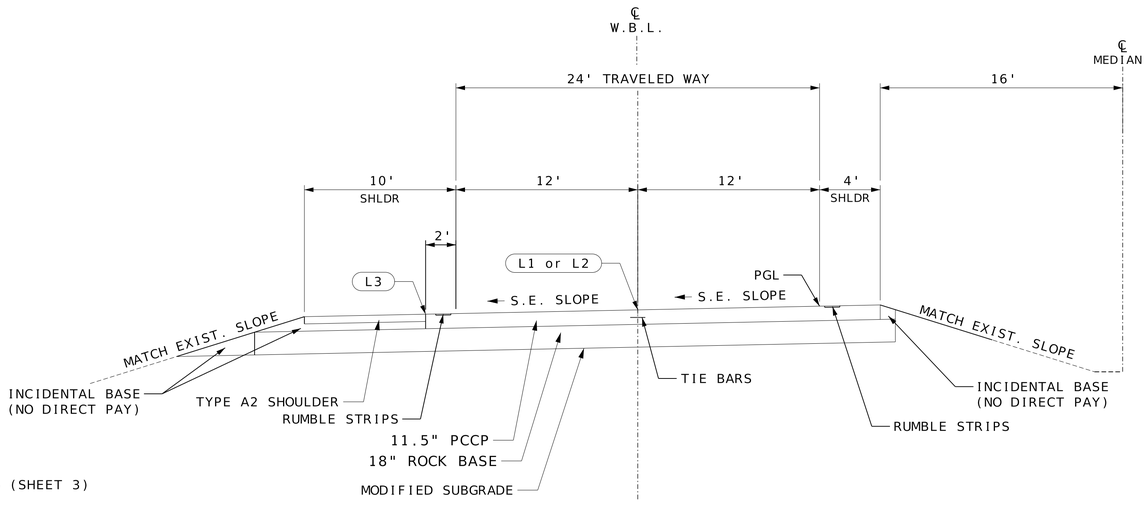
1. SAWCUT JOINTS ARE TO BE SPACED EVERY 15 FEET WITHIN THE TRAVELED WAY.
2. SEE SPECIAL SHEETS FOR ROCK BASE DAYLIGHTING DETAILS.



ROUTE I-44 WBL
SEGMENT 3
TYPICAL SECTION ON TANGENT
CONCRETE

STA. 648+13.79 TO STA. 680+31.80 WB
STA. 696+65.67 TO STA. 753+23.95 WB
STA. 774+34.90 TO STA. 778+00.00 WB

EXCEPTIONS:
STA. 700+42.10 TO STA. 707+66.47 WB
STA. 720+10.57 TO STA. 721+72.04 WB



JOINT LEGEND

SEE STANDARD PLAN 502.05 (SHEET 3)

(L1) LONGITUDINAL JOINT

(L2) LONGITUDINAL CONSTRUCTION JOINT

(L3) LONGITUDINAL CONSTRUCTION JOINT FOR SHOULDERS AND APPROACHES

ROUTE I-44 WBL
SEGMENT 3
TYPICAL SECTION ON TANGENT
CONCRETE

STA. 680+31.80 TO STA. 696+65.67 WB
STA. 753+23.95 TO STA. 774+34.90 WB

ALTERNATE B
TYPICAL SECTIONS
7 OF 7

WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

10/12/2026 10:15:09 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

REMOVAL OF IMPROVEMENTS

PLAN SHEET NO (_ OF 16)	FROM STATION	TO STATION	ROADWAY	LOCATION	UNIT	QUANTITY	ITEM TO BE REMOVED
11	700+14.34	700+29.34	I-44	EB	SQ.YD	51.5	CONCRETE APPROACH PAVEMENT REMOVAL
11	700+27.10	700+42.10	I-44	WB	SQ.YD	55.7	CONCRETE APPROACH PAVEMENT REMOVAL
12	707+66.47	707+81.47	I-44	WB	SQ.YD	55.5	CONCRETE APPROACH PAVEMENT REMOVAL
12	719+90.22	720+10.87	I-44	WB	SQ.YD	63.0	CONCRETE APPROACH PAVEMENT REMOVAL
12	721+71.72	721+92.36	I-44	WB	SQ.YD	64.6	CONCRETE APPROACH PAVEMENT REMOVAL
1	1217+34.00	1219+00.00	I-44	EB	SQ.YD	557.3	EX. UNBONDED OVERLAY REMOVAL
2	1219+00.00	1240+00.00	I-44	EB	SQ.YD	7,049.5	EX. UNBONDED OVERLAY REMOVAL
3	1240+00.00	1244+50.00	I-44	EB	SQ.YD	1,496.9	EX. UNBONDED OVERLAY REMOVAL
3	1255+00.00	1260+00.00	I-44	EB	SQ.YD	1,666.7	EX. UNBONDED OVERLAY REMOVAL
4	1260+00.00	1280+00.00	I-44	EB	SQ.YD	6,743.9	EX. UNBONDED OVERLAY REMOVAL
5	1280+00.00	1302+00.00	I-44	EB	SQ.YD	7,426.0	EX. UNBONDED OVERLAY REMOVAL
6	1302+00.00	1326+00.00	I-44	EB	SQ.YD	8,085.9	EX. UNBONDED OVERLAY REMOVAL
7	1326+00.00	1353+00.00	I-44	EB	SQ.YD	9,107.3	EX. UNBONDED OVERLAY REMOVAL
8	1353+00.00	1360+00.00	I-44	EB	SQ.YD	2,371.5	EX. UNBONDED OVERLAY REMOVAL
9	648+13.79	650+00.00	I-44	EB	SQ.YD	628.0	EX. UNBONDED OVERLAY REMOVAL
10	650+00.00	677+00.00	I-44	EB	SQ.YD	9,076.1	EX. UNBONDED OVERLAY REMOVAL
11	677+00.00	689+92.50	I-44	EB	SQ.YD	4,384.7	EX. UNBONDED OVERLAY REMOVAL
13	731+19.23	758+00.00	I-44	EB	SQ.YD	8,994.3	EX. UNBONDED OVERLAY REMOVAL
14	758+00.00	785+00.00	I-44	EB	SQ.YD	9,027.7	EX. UNBONDED OVERLAY REMOVAL
15	785+00.00	811+00.00	I-44	EB	SQ.YD	8,759.1	EX. UNBONDED OVERLAY REMOVAL
16	811+00.00	815+16.00	I-44	EB	SQ.YD	1,386.7	EX. UNBONDED OVERLAY REMOVAL
1	1215+34.00	1217+34.00	I-44	EB	SQ.YD	853.4	FULL DEPTH PAVEMENT & SHOULDER REMOVAL
3	1244+50.00	1255+00.00	I-44	EB	SQ.YD	3,500.0	FULL DEPTH PAVEMENT REMOVAL
11	689+92.50	700+14.34	I-44	EB	SQ.YD	3,201.4	FULL DEPTH PAVEMENT REMOVAL
12	728+69.23	731+00.00	I-44	EB	SQ.YD	771.7	FULL DEPTH PAVEMENT REMOVAL
13	731+00.00	731+19.23	I-44	EB	SQ.YD	64.2	FULL DEPTH PAVEMENT REMOVAL
3	1+54.40	3+82.45	I-44 / ROUTE F	RAMP 2	SQ.YD	351.4	I-44 OUTSIDE SHOULDER AND RAMP PAVEMENT REMOVAL
3-4	9+01.89	10+60.08	I-44 / ROUTE F	RAMP 4	SQ.YD	370.8	I-44 OUTSIDE SHOULDER AND RAMP PAVEMENT REMOVAL
3	1241+59.19	1244+50.00	I-44	EB	SQ.YD	258.7	I-44 OUTSIDE SHOULDER REMOVAL
9	648+13.79	650+00.00	I-44	WB	SQ.YD	295.2	INSIDE + OUTSIDE SHOULDER REMOVAL
10	650+00.00	677+00.00	I-44	WB	SQ.YD	4,273.7	INSIDE + OUTSIDE SHOULDER REMOVAL
11	677+00.00	700+27.41	I-44	WB	SQ.YD	3,492.5	INSIDE + OUTSIDE SHOULDER REMOVAL
12	707+81.47	719+90.22	I-44	WB	SQ.YD	1,721.2	INSIDE + OUTSIDE SHOULDER REMOVAL
12	721+92.36	731+00.00	I-44	WB	SQ.YD	1,283.7	INSIDE + OUTSIDE SHOULDER REMOVAL
13	731+00.00	758+00.00	I-44	WB	SQ.YD	4,086.4	INSIDE + OUTSIDE SHOULDER REMOVAL
14	758+00.00	778+00.00	I-44	WB	SQ.YD	3,182.2	INSIDE + OUTSIDE SHOULDER REMOVAL
9	648+13.79	650+00.00	I-44	WB	SQ.YD	496.6	PAVEMENT REMOVAL
10	650+00.00	677+00.00	I-44	WB	SQ.YD	7,200.0	PAVEMENT REMOVAL
11	677+00.00	700+27.11	I-44	WB	SQ.YD	6,205.6	PAVEMENT REMOVAL
12	707+81.47	719+90.22	I-44	WB	SQ.YD	3,223.3	PAVEMENT REMOVAL
12	721+92.36	731+00.00	I-44	WB	SQ.YD	2,420.4	PAVEMENT REMOVAL
13	731+00.00	758+00.00	I-44	WB	SQ.YD	7,200.0	PAVEMENT REMOVAL
14	758+00.00	778+00.00	I-44	WB	SQ.YD	5,333.3	PAVEMENT REMOVAL

SUMMARY OF QUANTITIES
SHEET 1 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:25 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

REMOVAL OF IMPROVEMENTS (CONT.)

PLAN SHEET NO (_ OF 16)	FROM STATION	TO STATION	ROADWAY	LOCATION	UNIT	QUANTITY	ITEM TO BE REMOVED
3	1245+34.22	1250+31.71	I-44	EB (MEDIAN)	LF	497	EX. GUARDRAIL, POSTS, END ANCHOR AND CET
11	684+64.96	700+55.02	I-44	EB	LF	1,526	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
11	694+82.64	700+54.12	I-44	EB (MEDIAN)	LF	486	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
14	768+59.45	778+00.00	I-44	WB	LF	941	EX. GUARDRAIL, POSTS, END ANCHOR AND CET
14-15	721+60.70	753+09.69	I-44	WB	LF	3,149	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
12	721+53.31	727+45.00	I-44	WB (MEDIAN)	LF	592	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
12	707+52.97	720+27.81	I-44	WB	LF	1,277	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
12	707+51.23	712+23.74	I-44	WB (MEDIAN)	LF	4,723	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
11	699+37.28	700+50.37	I-44	WB (MEDIAN)	LF	113	EX. GUARDRAIL, POSTS, CET AND BRIDGE ANCHOR SECTION
3	1249+13.90	1254+14.13	I-44	WB (MEDIAN)	LF	502	EX. GUARDRAIL, POSTS, END ANCHOR AND CET
10	656+70.33	661+35.42	I-44	EB	LF	465	EX. GUARDRAIL, POSTS, END ANCHOR AND CET
13	746+25.57	748+01.10	I-44	EB	LF	175	EX. GUARDRAIL, POSTS, EMD ANCHOR AND CET
					LUMP SUM	1	

MOBILIZATION = (1 LUMP SUM)

CONTRACTOR FURNISHED SURVEYING & STAKING = (1 LUMP SUM)

SEEDING - COOL SEASON GRASSES - 12 AC

SEEDING - WARM SEASON GRASSES - 12 AC

TEMPORARY SEEDING - 12 AC

MULCHING - 12 AC

ADDITIONAL MOBILIZATION FOR SEEDING - 4 EA

EXCAVATING AND DISPOSING OF UNSUITABLE MATERIAL (SMALL AREA) - 1 CU YD

EXCAVATING AND DISPOSING OF UNSUITABLE MATERIAL (LARGE AREA) - 1 CU YD

PLACING ROCK FILL - 1 CU YD

EARTHWORK

PLAN SHEET NO (_ OF 16)	FROM STATION	TO STATION	ROADWAY	LOCATION	EARTH CUT (CU. YD)	FILL (CU. YD)	UNCLASSIFIED EXCAVATION (CU. YD)	COMPACTING EMBANKMENT (CU. YD)	FOR INFORMATION ONLY SURPLUS/DEFICIT *	REMARKS
1	1215+34.00	1219+00.00	I-44	EB & WB	763.0	18.0	763.0	18.0	668.70	
2	1219+00.00	1240+00.00	I-44	EB & WB	0.0	14.0	0.0	14.0	-14.00	
3	1240+00.00	1260+00.00	I-44	EB & WB	4,514.0	43.0	4,514.0	43.0	4,019.60	
4	1260+00.00	1280+00.00	I-44	EB & WB	26.0	3.0	26.0	3.0	20.40	
5	1280+00.00	1302+00.00	I-44	EB & WB	0.0	3.0	0.0	3.0	-3.00	
6	1302+00.00	1326+00.00	I-44	EB & WB	0.0	38.0	0.0	38.0	-38.00	
7	1326+00.00	1353+00.00	I-44	EB & WB	10.0	5.0	10.0	5.0	4.00	
8	1353+00.00	1360+00.00	I-44	EB & WB	0.0	10.0	0.0	10.0	-10.00	
9	648+13.79	650+00.00	I-44	EB & WB	466.0	43.0	466.0	43.0	376.40	
10	650+00.00	677+00.00	I-44	EB & WB	6,100.0	90.0	6,100.0	90.0	5,400.00	
11	677+00.00	705+00.00	I-44	EB & WB	8,535.0	102.0	8,535.0	102.0	7,579.50	
12	705+00.00	731+00.00	I-44	EB & WB	7,694.0	9.0	7,694.0	9.0	6,915.60	
13	731+00.00	758+00.00	I-44	EB & WB	6,596.0	12.0	6,596.0	12.0	5,924.40	
14	758+00.00	785+00.00	I-44	EB & WB	4,327.0	6.0	4,327.0	6.0	3,888.30	
15	785+00.00	811+00.00	I-44	EB & WB	0.0	12.0	0.0	12.0	-12.00	
16	811+00.00	815+16.00	I-44	EB & WB	0.0	0.0	0.0	0.0	0.00	
						SUBTOTAL	39,031.0	408.0		
						PAY TOTAL	39,031	408		

* ASSUMING 10% SHRINKAGE FACTOR FOR EXCAVATION

SUMMARY OF QUANTITIES
SHEET 2 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:25 AM
William G. Krussel
MO PE-27561

DATE PREPARED: 9/20/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	3

COUNTY: LACLEDE

JOB NO.: JCD0270

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)

211 N. BROADWAY, SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY NO. 001444 ENGINEERING

WESTBOUND ALTERNATE PAVEMENT

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	ASPHALT PAVEMENT OPTION (MAINLINE) ALTERNATE PAVEMENT A 14 IN ASPHALT (SQ. YD)	ASPHALT PAVEMENT OPTION (SHOULDER) ALTERNATE PAVEMENT C A2 SHOULDER ASPHALT (SQ. YD)	CONCRETE PAVEMENT OPTION (MAINLINE) ALTERNATE PAVEMENT B 11.5 IN CONCRETE (SQ. YD)	CONCRETE PAVEMENT OPTION (SHOULDER) ALTERNATE PAVEMENT D A2 SHOULDER CONCRETE (SQ. YD)	ROCK BASE PLACING ROCK BASE (SQ. YD)	ROCK BASE FURNISHING ROCK BASE MATERIAL (SQ. YD)	ROCK BASE MODIFIED SUBGRADE (SQ. YD)	ROCK BASE COMPACTING IN CUT (SQ. YD)
9	648+13.79	650+00.00	I-44	WB	620.7	165.5	620.7	165.5	1,024.2	1,024.2	1,024.2	1.9
10	650+00.00	677+00.00	I-44	WB	9,000.0	2,400.0	9,000.0	2,400.0	14,850.0	14,850.0	14,850.0	27.0
11	677+00.00	700+27.10	I-44	WB	7,757.0	2,068.5	7,757.0	2,068.5	12,799.1	12,799.1	12,799.1	23.3
12	707+81.47	719+90.22	I-44	WB	4,029.2	1,074.4	4,029.2	1,074.4	6,648.1	6,648.1	6,648.1	12.1
12	721+92.36	731+00.00	I-44	WB	3,025.5	806.8	3,025.5	806.8	4,992.0	4,992.0	4,992.0	9.1
13	731+00.00	758+00.00	I-44	WB	9,000.0	2,400.0	9,000.0	2,400.0	14,850.0	14,850.0	14,850.0	27.0
14	758+00.00	778+00.00	I-44	WB	6,666.7	1,777.8	6,666.7	1,777.8	11,000.0	11,000.0	11,000.0	20.0
				SUBTOTAL	40,099.1	10,693.0	40,099.1	10,693.0	66,163.4	66,163.4	66,163.4	120.4
				FROM EASTBOUND PAVEMENT FULL DEPTH REPLACEMENT SCHEDULE	-	2,168.9	-	2,168.9	13,420.0	13,420.0	13,420.0	24.4
				FROM EASTBOUND RAMPS & AUXILIARY LANES SCHEDULE	-	533.1	-	533.1	1,495.9	1,495.9	1,495.9	6.9
				FROM PAVEMENT UNDERDRAINAGE SCHEDULE	-	156.0	-	156.0	-	-	-	-
				PAY TOTAL	40,099	13,551	40,099	13,551	81,079	81,079	81,079	152

EASTBOUND PAVEMENT FULL DEPTH REPLACEMENT

PLAN SHEET NO (_ OF 11)	STATION	STATION	ROADWAY	LOCATION	CONCRETE PAVEMENT (11 1/2 IN. NON-REINFORCED, 15 FT. JOINT) (SQ. YD)	ASPHALT OPTION (SHOULDER) ALTERNATE PAVEMENT C A2 SHOULDER ASPHALT (SQ. YD)	CONCRETE OPTION (SHOULDER) ALTERNATE PAVEMENT D A2 SHOULDER CONCRETE (SQ. YD)	ROCK BASE PLACING ROCK BASE (SQ. YD)	ROCK BASE FURNISHING ROCK BASE MATERIAL (SQ. YD)	ROCK BASE MODIFIED SUBGRADE (SQ. YD)	ROCK BASE COMPACTING IN CUT (STA.)
1	1215+34.00	1217+34.00	I-44	EB	666.7	177.8	177.8	1,100.0	1,100.0	1,100.0	2.0
3	1244+50.00	1255+00.00	I-44	EB	3,500.0	933.3	933.3	5,775.0	5,775.0	5,775.0	10.5
11	689+92.50	700+14.34	I-44	EB	3,133.3	835.6	835.6	5,170.0	5,170.0	5,170.0	9.4
12	728+69.23	731+00.00	I-44	EB	769.2	205.1	205.1	1,269.2	1,269.2	1,269.2	2.3
13	731+00.00	731+19.23	I-44	EB	64.1	17.1	17.1	105.8	105.8	105.8	0.2
				SUBTOTAL	8,133.3	2,168.9	2,168.9	13,420.0	13,420.0	13,420.0	24.4
				FROM EASTBOUND RAMPS & AUXILIARY LANES SCHEDULE	602.1	-	-	-	-	-	-
				PAY TOTAL	8,735	-	-	-	-	-	-

EASTBOUND PAVEMENT UNBONDED OVERLAY

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	MISC. UNBONDED CONCRETE OVERLAY PLACEMENT, 11.5 IN. (SQ. YD)	FURNISHING UNBONDED CONCRETE OVERLAY (CU. YD)	UNBONDED CONCRETE OVERLAY INTERLAYER (GEOTEXTILE) (SQ. YD)	PERMANENT AGGREGATE EDGE TREATMENT (TONS)	BITUMINOUS FOG SEAL (GAL)
1	1217+34.00	1219+00.00	I-44	EB	553.3	176.8	553.3	4.3	
2	1219+00.00	1240+00.00	I-44	EB	7,000.0	2,236.1	7,000.0	54.1	
3	1240+00.00	1244+50.00	I-44	EB	1,500.0	479.2	1,500.0	11.6	20.0
3	1255+00.00	1260+00.00	I-44	EB	1,666.7	532.4	1,666.7	12.9	22.2
4	1260+00.00	1280+00.00	I-44	EB	6,666.7	2,129.6	6,666.7	51.6	88.9
5	1280+00.00	1302+00.00	I-44	EB	7,333.3	2,342.6	7,333.3	56.7	97.8
6	1302+00.00	1326+00.00	I-44	EB	8,000.0	2,555.6	8,000.0	61.9	12.6
7	1326+00.00	1353+00.00	I-44	EB	9,000.0	2,875.0	9,000.0	69.6	
8	1353+00.00	1360+00.00	I-44	EB	2,333.3	745.4	2,333.3	18.0	
9	648+13.79	650+00.00	I-44	EB	620.7	198.3	620.7	4.8	
10	650+00.00	677+00.00	I-44	EB	9,000.0	2,875.0	9,000.0	69.6	
11	677+00.00	689+92.35	I-44	EB	4,307.8	1,376.1	4,307.8	33.3	42.7
13	731+19.23	758+00.00	I-44	EB	8,935.9	2,854.5	8,935.9	69.1	21.2
14	758+00.00	785+00.00	I-44	EB	9,000.0	2,875.0	9,000.0	69.6	72.5
15	785+00.00	811+00.00	I-44	EB	8,666.7	2,768.5	8,666.7	67.0	32.4
16	811+00.00	815+16.00	I-44	EB	1,386.7	443.0	1,386.7	10.7	
				SUBTOTAL	85,971.1	27,463.1	85,971.1	664.8	410.3
				PAY TOTAL	85,971	27,463	85,971	665	410

NOTE: PERMANENT AGGREGATE EDGE TREATMENT QUANTITIES ARE BASED ON A 2 FT WIDTH. CONVERSION FACTOR: 0.058 TON/SY

NOTE: BITUMINOUS FOG SEAL QUANTITIES ARE BASED ON APPLICATION TO THE LOW SIDE OF SUPERELEVATED SECTIONS. CONVERSION FACTOR: 0.20 GAL/SY

SUMMARY OF QUANTITIES

SHEET 3 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
10/12/2026 6:10:22 PM
William G. Krussel
MO PE-27561

DATE PREPARED: 10/12/2026

ROUTE: I-44 | STATE: MO

DISTRICT: CD | SHEET NO.: 3

COUNTY: LACLEDE

JOB NO.: JCD0270

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION | DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

EASTBOUND RAMPS & AUXILIARY LANES

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	MAINLINE	SHOULDER		ROCK BASE				OVERLAY			RAMP
					CONCRETE PAVEMENT (11 1/2 IN. NON-REINFORCED, 15 FT. JOINT) (SQ. YD)	(SHOULDER) ALTERNATE PAVEMENT C A2 SHOULDER ASPHALT (SQ. YD)	(SHOULDER) ALTERNATE PAVEMENT D A2 SHOULDER CONCRETE (SQ. YD)	FURNISHING ROCK BASE MATERIAL (SQ. YD)	PLACING ROCK BASE (SQ. YD)	MODIFIED SUBGRADE (SQ. YD)	COMPACTING IN CUT (SQ. YD)	(2.5 IN) BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	TACK COAT (GAL)	(2.5 IN) ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX) (TONS)	CONCRETE PAVEMENT (8 IN. NON-REINFORCED) 15 FT. JOINTS) (SQ. YD)
2	1233+01.39	1239+00.90	I-44	EB								38.6	45.9	84.7	
2	0+00.00	0+99.18	I-44 / ROUTE F	RAMP 2								6.0	9.4	19.4	
3	0+99.18	2+49.66	I-44 / ROUTE F	RAMP 2								9.0	19.5	43.2	
3	1240+53.04	1244+50.00	I-44	EB	274.5	180.1	180.1	454.6	454.6	454.6	4.0				
3	2+49.66	2+93.76	I-44 / ROUTE F	RAMP 2	98.6	19.5	19.5	118.1	118.1	118.1	0.4				
3	2+93.76	3+82.45	I-44 / ROUTE F	RAMP 2		99.3	99.3	297.5	297.5	297.5	0.9				198.2
3	9+01.89	9+83.15	I-44 / ROUTE F	RAMP 4		108.8	108.8	271.3	271.3	271.3	0.8				162.5
3	9+83.15	10+25.00	I-44 / ROUTE F	RAMP 4	145.4	85.8	85.8	231.2	231.2	231.2	0.4				
4	10+25.00	10+60.08	I-44 / ROUTE F	RAMP 4	83.6	39.6	39.6	123.2	123.2	123.2	0.4				
4	10+60.08	12+12.93	I-44 / ROUTE F	RAMP 4								13.7	15.8	28.9	
4	1261+88.30	1268+92.70	I-44	EB								62.3	53.8	82.4	
				SUBTOTAL	602.1	533.1	533.1	1,495.9	1,495.9	1,495.9	6.9	129.6	144.4	258.6	360.7
				PAY TOTAL	-	-	-	-	-	-	-	-	-	259	361

EASTBOUND SHOULDER

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	TACK COAT (GAL)
1	1217+34.00	1219+00.00	I-44	EB	20.2	12.1
2	1219+00.00	1233+01.39	I-44	EB	170.7	101.8
3	1240+00.00	1244+50.00	I-44	EB	54.8	32.7
3	1255+00.00	1260+00.00	I-44	EB	60.9	36.3
4	1260+00.00	1280+00.00	I-44	EB	243.6	145.2
5	1280+00.00	1302+00.00	I-44	EB	268.0	159.8
6	1302+00.00	1326+00.00	I-44	EB	292.4	174.3
7	1326+00.00	1353+00.00	I-44	EB	328.9	196.1
8	1353+00.00	1360+00.00	I-44	EB	85.3	50.8
9	648+13.79	650+00.00	I-44	EB	22.7	13.5
10	650+00.00	677+00.00	I-44	EB	328.9	196.1
11	677+00.00	689+92.35	I-44	EB	157.4	93.9
13	731+19.23	758+00.00	I-44	EB	326.6	194.7
14	758+00.00	785+00.00	I-44	EB	328.9	196.1
15	785+00.00	811+00.00	I-44	EB	316.7	188.8
16	811+00.00	814+66.00	I-44	EB	44.6	26.6
	30% FOR SURFACE IRREGULARITIES				915.2	
				SUBTOTAL	3,965.8	1,818.8
	FROM EASTBOUND RAMPS & AUXILIARY LANES SCHEDULE				129.6	144.4
				PAY TOTAL	4,095	1,963

SUMMARY OF QUANTITIES
SHEET 4 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

10/12/2026 6:10:25 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE I-44 | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY LACLEDE
JOB NO. JCD0270
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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

CONCRETE APPROACH PAVEMENT

PLAN SHEET NO (_ OF 16)	FROM STATION	TO STATION	ROADWAY	LOCATION	CONCRETE APPROACH PAVEMENT (SQ. YD)	DESCRIPTION
11	700+14.34	700+29.34	I-44	EB	53.3	W END OF GASCONADE RIVER EB BRIDGE
11	700+27.10	700+42.10	I-44	WB	56.6	W END OF GASCONADE RIVER WB BRIDGE
12	707+66.47	707+81.47	I-44	WB	56.7	E END OF GASCONADE RIVER WB BRIDGE
12	719+90.22	720+10.87	I-44	WB	63.4	W END OF GASCONADE OVERFLOW WB BRIDGE
12	721+71.72	721+92.63	I-44	WB	63.4	E END OF GASCONADE OVERFLOW WB BRIDGE
				SUBTOTAL	293.4	
				PAY TOTAL	293	

PERMANENT CROSSOVERS

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	GRAVEL (A) OR CRUSHED STONE (B) (6 IN. THICK) (SQ. YD)
10	660+55.00	660+85.00	I-44	MEDIAN	98.4
15	786+92.00	787+30.00	I-44	MEDIAN	98.4
				SUBTOTAL	196.8
				PAY TOTAL	197

PCC SHOULDER RUMBLE STRIPS - MAINLINE PAVEMENT

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	PORTLAND CEMENT CONCRETE SHOULDER RUMBLE STRIP (STA)	REMARKS
9	648+13.79	650+00.00	I-44	WB	3.7	WESTBOUND ALTERNATE PAVEMENT
10	650+00.00	677+00.00	I-44	WB	54.0	WESTBOUND ALTERNATE PAVEMENT
11	677+00.00	700+27.10	I-44	WB	46.5	WESTBOUND ALTERNATE PAVEMENT
12	707+81.47	719+90.22	I-44	WB	24.2	WESTBOUND ALTERNATE PAVEMENT
12	721+92.36	731+00.00	I-44	WB	18.2	WESTBOUND ALTERNATE PAVEMENT
13	731+00.00	758+00.00	I-44	WB	54.0	WESTBOUND ALTERNATE PAVEMENT
14	758+00.00	778+00.00	I-44	WB	40.0	WESTBOUND ALTERNATE PAVEMENT
1	1217+34.00	1219+00.00	I-44	EB	3.3	EASTBOUND UNBONDED OVERLAY
2	1219+00.00	1240+00.00	I-44	EB	42.0	EASTBOUND UNBONDED OVERLAY
3	1240+00.00	1260+00.00	I-44	EB	19.0	EASTBOUND UNBONDED OVERLAY
4	1260+00.00	1280+00.00	I-44	EB	40.0	EASTBOUND UNBONDED OVERLAY
5	1280+00.00	1302+00.00	I-44	EB	44.0	EASTBOUND UNBONDED OVERLAY
6	1302+00.00	1326+00.00	I-44	EB	48.0	EASTBOUND UNBONDED OVERLAY
7	1326+00.00	1353+00.00	I-44	EB	54.0	EASTBOUND UNBONDED OVERLAY
8	1353+00.00	1360+00.00	I-44	EB	14.0	EASTBOUND UNBONDED OVERLAY
9	648+13.79	650+00.00	I-44	EB	3.7	EASTBOUND UNBONDED OVERLAY
10	650+00.00	677+00.00	I-44	EB	54.0	EASTBOUND UNBONDED OVERLAY
11	677+00.00	700+29.34	I-44	EB	26.2	EASTBOUND UNBONDED OVERLAY
13	731+00.00	758+00.00	I-44	EB	53.6	EASTBOUND UNBONDED OVERLAY
14	758+00.00	785+00.00	I-44	EB	54.0	EASTBOUND UNBONDED OVERLAY
15	785+00.00	811+00.00	I-44	EB	52.0	EASTBOUND UNBONDED OVERLAY
16	811+00.00	824+96.23	I-44	EB	27.9	EASTBOUND UNBONDED OVERLAY
1	1215+34.00	1217+34.00	I-44	EB	4.0	EASTBOUND ALTERNATE FULL DEPTH REPLACEMENT
3	1244+50.00	1255+00.00	I-44	EB	21.0	EASTBOUND ALTERNATE FULL DEPTH REPLACEMENT
11	689+92.50	700+14.34	I-44	EB	20.4	EASTBOUND ALTERNATE FULL DEPTH REPLACEMENT
12	728+69.23	731+00.00	I-44	EB	4.6	EASTBOUND ALTERNATE FULL DEPTH REPLACEMENT
13	731+00.00	731+19.23	I-44	EB	0.4	EASTBOUND ALTERNATE FULL DEPTH REPLACEMENT
				SUBTOTAL	826.7	
				PAY TOTAL	827	

SUMMARY OF QUANTITIES
SHEET 5 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:26 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE I-44 | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY LACLEDE
JOB NO. JCD0270
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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

FULL DEPTH PAVEMENT REPAIR

PLAN SHEET NO (_ OF 16)	STATION	STATION	ROADWAY	LOCATION	FURNISHING & PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR (SQ. YD)	SUBGRADE COMPATION (6 IN. DEPTH) (PAVEMENT REPAIR) (SQ. YD)	TYPE 1 OR TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (PAVEMENT REPAIR) (SQ. YD)	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS) (LF)	DOWEL BAR (DRILLING, FURNISHING & INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR (EACH)	DOWEL BAR (FURNISHING & INSTALLATION WITH BASKETS) FOR FULL DEPTH PAVEMENT REPAIR (EACH)
1	1217+34.00	1219+00.00	I-44	EB	22.0	2.2	2.2	120.0	40	20
2	1219+00.00	1240+00.00	I-44	EB	280.0	28.0	28.0	1,080.0	360	180
3	1240+00.00	1244+50.00	I-44	EB	60.0	6.0	6.0	240.0	80	40
3	1255+00.00	1260+00.00	I-44	EB	67.0	6.7	6.7	300.0	100	50
4	1260+00.00	1280+00.00	I-44	EB	267.0	26.7	26.7	1,020.0	340	170
5	1280+00.00	1302+00.00	I-44	EB	293.0	29.3	29.3	1,140.0	380	190
6	1302+00.00	1326+00.00	I-44	EB	320.0	32.0	32.0	1,200.0	400	200
7	1326+00.00	1353+00.00	I-44	EB	360.0	36.0	36.0	1,380.0	460	230
8	1353+00.00	1360+00.00	I-44	EB	93.0	9.3	9.3	360.0	120	60
9	648+13.79	650+00.00	I-44	EB	25.0	2.5	2.5	120.0	40	20
10	650+00.00	677+00.00	I-44	EB	360.0	36.0	36.0	1,380.0	460	230
11	677+00.00	689+92.50	I-44	EB	172.0	17.2	17.2	660.0	220	110
13	731+19.23	758+00.00	I-44	EB	357.0	35.7	35.7	1,380.0	460	230
14	758+00.00	785+00.00	I-44	EB	360.0	36.0	36.0	1,380.0	460	230
15	785+00.00	811+00.00	I-44	EB	347.0	34.7	34.7	1,320.0	440	220
16	811+00.00	815+16.00	I-44	EB	55.0	5.5	5.5	240.0	80	40
				SUBTOTAL	3,438.0	343.8	338.3	13,320.0	920	460
				PAY TOTAL	3,438	344	338	13,320	920	460

NOTE: ASSUMING 5% OF TOTAL EXISTING CONCRETE PAVEMENT NEEDING REPAIR.

PAVEMENT UNDERDRAINAGE EASTBOUND

PLAN SHEET NO (- OF 16)	BEGIN STATION	END STATION	ROADWAY	LOCATION	PIPE AGGREGATE PAVEMENT EDGE DRAIN (LF)	OUTLET PIPES AND SPLASH PADS (EACH)	ASPHALT OPTION (TRANSVERSE) ALTERNATE PAVEMENT G TYPE A2 SHOULDER (SQ YD)	CONCRETE OPTION (TRANSVERSE) ALTERNATE PAVEMENT H TYPE A2 SHOULDER (SQ YD)	REMARKS
1-3	1217+34.00	1241+93.34	I-44 EB	LT	2,459	10			
1-2	1217+34.00	1239+00.90	I-44 EB	RT	2,167	9	16	16	
4-8	1268+92.70	1360+00.00	I-44 EB	RT	9,107	36	64	64	CONNECT TO PR. PIPE IN ADJACENT CONTRACT
6-8	1304+48.12	1360+00.00	I-44 EB	LT	5,552	22			CONNECT TO PR. PIPE IN ADJACENT CONTRACT
9-11	648+13.79	689+92.35	I-44 EB	LT	4,179	17			CONNECT TO PR. PIPE IN ADJACENT CONTRACT
9-11	648+13.79	680+31.80	I-44 EB	RT	3,218	13	23	23	CONNECT TO PR. PIPE IN ADJACENT CONTRACT
12-13	728+69.23	753+23.95	I-44 EB	LT	2,455	10			
12-15	728+69.23	803+71.39	I-44 EB	RT	7,502	30	53	53	
14-16	774+34.90	815+16.00	I-44 EB	LT	4,081	16			
				SUBTOTAL	40,720	163	156	156	
				PAY TOTAL	40,720	163	-	-	

NOTE: CONSTRUCT PAVEMENT UNDERDRAINAGE THROUGH THE LIMITS OF EASTBOUND UNBONDED OVERLAY PAVEMENT REPLACEMENT PER STANDARD PLAN 605.10.
NOTE: TYPE A2 SHOULDER QUANTITIES ARE BASED ON A 2' WIDE TRANSVERSE TRENCH FOR THE OUTLET PIPE INSTALLATION.

SUMMARY OF QUANTITIES
SHEET 6 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:27 AM
William G. Krussel
MO PE-27561

DATE PREPARED: 9/20/2026
ROUTE: I-44 | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: LACLEDE
JOB NO.: JCD0270
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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

MGS GUARDRAIL

PLAN SHEET NO (_ OF 16)	BEGIN STATION	END STATION	ROADWAY	LOCATION	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR/NO CURB) (EACH)	MGS GUARDRAIL (LF)	MGS GUARDRAIL, 8 FT. POSTS, 6 FT. - 3 IN. SPACING (LF)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	MGS END ANCHOR (EACH)	REMARKS
3	1245+85.44	1250+22.94	I-44 EB	LT		437.5		1	1	
3	1249+25.41	1253+62.91	I-44 WB	RT		437.5		1	1	
10	657+21.74	661+21.74	I-44 EB	RT		400.0		1	1	
11	685+13.10	700+17.52	I-44 EB	RT	1		1,437.5	1		EQN BK
11	695+30.39	700+16.62	I-44 EB	LT	1	400.0		1		EQN BK
11	699+50.53	700+12.87	I-44 WB	LT	1	62.5			1	
12	707+88.45	711+75.95	I-44 WB	RT	1	387.5		1		
12	707+90.13	719+90.31	I-44 WB	LT	2		1,200.0			
12	721+90.81	726+90.81	I-44 WB	RT	1	500.0		1		
12 - 13	721+98.52	752+61.13	I-44 WB	LT	1		3,062.5	1		
12 - 13	729+40.00	747+90.00	I-44 EB	RT			1,850.0	1	1	
14	768+68.87	778+00.00	I-44 WB	LT			937.5		1	GUARDRAIL AT CURVE SECTION
				SUBTOTAL	8	2,625.0	8,487.5	9	6	
				PAY TOTAL	8	2,625.0	8,487.5	9	6	

NOTE : GUARDRAIL QUANTITIES ARE CALCULATED IN 12.5 FEET SEGMENTS AS PER STD 606.50F

EROSION CONTROL

EROSION CONTROL PLAN SHEET NO (_ OF 8)	STATION	STATION	ROADWAY	LOCATION	SILT FENCE (LF)	MISCELLANEOUS INLET CHECK (EACH)	ALTERNATE DITCH CHECK (LF)	SEDIMENT REMOVAL (CU. YD)	REMARKS
1	1192+00.00	1219+00.00	I-44	LT/RT	68.0		260.0	14.0	
1	1219+00.00	1240+00.00	I-44	LT/RT			1,120.0	56.0	
2	1240+00.00	1260+00.00	I-44	LT/RT	1,620.8	3	500.0	45.0	
2	1260+00.00	1280+00.00	I-44	LT/RT	62.7	2	540.0	30.0	
3	1280+00.00	1302+00.00	I-44	LT/RT		1	320.0	17.0	
3	1302+00.00	1326+00.00	I-44	LT/RT		1	300.0	16.0	
4	1326+00.00	1353+00.00	I-44	LT/RT		2	340.0	19.0	
4	1353+00.00	1380+00.00	I-44	LT/RT		1	80.0	5.0	
5	1584+00.00	650+00.00	I-44	LT/RT	372.6			4.0	
5	650+00.00	677+00.00	I-44	LT/RT	2,407.8	2	440.0	49.0	
6	677+00.00	705+00.00	I-44	LT/RT	5,339.9		300.0	69.0	
6	705+00.00	731+00.00	I-44	LT/RT	499.0	6	400.0	31.0	
7	731+00.00	758+00.00	I-44	LT/RT	3,561.1		140.0	43.0	
7	758+00.00	785+00.00	I-44	LT/RT	1,752.5	4	600.0	52.0	
8	785+00.00	811+00.00	I-44	LT/RT	431.0	1	400.0	26.0	
8	811+00.00	837+00.00	I-44	LT/RT	283.1		380.0	22.0	
				SUBTOTAL	16,398.5	23	6,120.0	498.0	
				PAY TOTAL	21,318	30	7,956	647	

NOTE: A CONTINGENCY OF 30% IS APPLIED TO ALL EROSION CONTROL ITEMS.

SUMMARY OF QUANTITIES
SHEET 7 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
10/12/2026 6:10:27 PM
William G. Krussel
MO PE-27561

DATE PREPARED 9/30/2026
ROUTE I-44 | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY LACLEDE
JOB NO. JCD0270
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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

PERMANENT PAVEMENT MARKINGS

PAVEMENT MARKING SHEET NO (_ OF 16)	ROADWAY	START STATION	END STATION	CLASS 2 PERMANENT MARKING PAINT (25-MIL, TYPE L BEADS)				
				6" YELLOW SOLID (LF)	6" WHITE SOLID (LF)	6" DOTTED WHITE (LF)	6" WHITE INTERMITTENT (LF)	12" WHITE SOLID (LF)
1	I-44 EB	1202+62.12	1219+00.00	1,637.9	1,637.9		409.5	
1	I-44 EB	1219+00.00	1240+00.00	2,100.0	2,100.0	112.0	525.0	
2	I-44 EB	1240+00.00	1260+00.00	2,173.0	2,193.0	8.0	500.0	383.0
2	I-44 EB	1260+00.00	1280+00.00	2,000.0	2,000.0	132.0	500.0	126.0
3	I-44 EB	1280+00.00	1302+00.00	2,200.0	2,200.0		550.0	
3	I-44 EB	1302+00.00	1326+00.00	2,400.0	2,400.0		600.0	
4	I-44 EB	1326+00.00	1353+00.00	2,700.0	2,700.0		675.0	
4	I-44 EB	1353+00.00	1360+00.00	700.0	700.0		175.0	
5	I-44 EB	648+13.79	650+00.00	186.2	186.2		46.6	
5	I-44 EB	650+00.00	677+00.00	2,700.0	2,700.0		675.0	
6	I-44 EB	677+00.00	700+29.34	2,329.3	2,329.3		582.3	
6	I-44 EB	728+69.00	731+00.00	231.0	231.0		57.8	
7	I-44 EB	731+00.00	758+00.00	2,700.0	2,700.0		675.0	
7	I-44 EB	758+00.00	785+00.00	2,700.0	2,700.0		675.0	
8	I-44 EB	785+00.00	811+00.00	2,600.0	2,600.0		650.0	
8	I-44 EB	811+00.00	824+96.23	1,396.2	1,396.2		349.1	
1	I-44 WB	1208+00.00	1219+00.00	1,100.0	1,100.0		275.0	
1	I-44 WB	1219+00.00	1240+00.00	2,100.0	2,100.0	72.0	525.0	
2	I-44 WB	1240+00.00	1260+00.00	2,000.0	2,000.0	40.0	500.0	215.0
2	I-44 WB	1260+00.00	1280+00.00	2,000.0	2,000.0		500.0	410.0
3	I-44 WB	1280+00.00	1302+00.00	2,200.0	2,200.0		550.0	
3	I-44 WB	1302+00.00	1326+00.00	2,400.0	2,400.0		600.0	
4	I-44 WB	1326+00.00	1353+00.00	2,700.0	2,700.0		675.0	
4	I-44 WB	1353+00.00	1360+00.00	700.0	700.0		175.0	
5	I-44 WB	648+13.79	650+00.00	186.2	186.2		46.6	
5	I-44 WB	650+00.00	677+00.00	2,700.0	2,700.0		675.0	
6	I-44 WB	677+00.00	700+42.10	2,342.0	2,342.0		585.5	
6	I-44 WB	707+66.47	731+00.00	2,334.0	2,334.0		583.4	
7	I-44 WB	731+00.00	758+00.00	2,700.0	2,700.0		675.0	
7	I-44 WB	758+00.00	785+00.00	2,700.0	2,700.0		675.0	
8	I-44 WB	785+00.00	811+00.00	2,600.0	2,600.0		650.0	
8	I-44 WB	811+00.00	837+00.00	2,600.0	1,880.0		650.0	
9	I-44 WB	837+00.00	839+82.29	282.3	282.3		70.6	
			SUBTOTAL	64,398.1	63,698.1	364.0	16,056.4	1,134.0
			PAY TOTAL	64,398	80,119			1,134

SUMMARY OF QUANTITIES
SHEET 8 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:27 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

RELOCATE EX. SIGNS

PLAN SHEET NO (_ OF 16)	STATION	ROADWAY	LOCATION	LT/RT	CONCRETE FOOTINGS, EMBEDDED (CU. YD)	MISC. RELOCATE EX. SIGN ASSEMBLY (EACH)	REMARKS
2	1222+15.48	I-44	EB	RT	0.13	1	MILE MARKER SIGN
2	1233+00.69	I-44	EB	RT	0.13	1	MILE MARKER SIGN
2	1239+62.06	I-44	EB	RT	0.13	1	EXIT 50 MPH SIGN
3	1242+50.92	I-44	EB	RT	0.13	1	EXIT 135 SIGN
3	1243+55.92	I-44	EB	RT	0.13	1	MILE MARKER SIGN
3	1254+16.67	I-44	EB	RT	0.13	1	MILE MARKER SIGN
3	1259+92.19	I-44	EB	RT	0.13	1	YIELD SIGN
4	1264+80.44	I-44	EB	RT	0.13	1	MILE MARKER SIGN
4	1275+57.63	I-44	EB	RT	0.13	1	MILE MARKER SIGN
5	1282+74.59	I-44	EB	RT	0.13	1	MILE MARKER SIGN
5	1285+71.02	I-44	EB	RT	0.13	1	MILE MARKER SIGN
5	1292+07.02	I-44	EB	RT	0.13	1	MILE MARKER SIGN
5	1296+45.45	I-44	EB	RT	0.13	1	MILE MARKER SIGN
6	1307+04.01	I-44	EB	RT	0.13	1	MILE MARKER SIGN
6	1317+56.50	I-44	EB	RT	0.13	1	MILE MARKER SIGN
7	1328+15.92	I-44	EB	RT	0.13	1	MILE MARKER SIGN
7	1338+39.11	I-44	EB	RT	0.13	1	MILE MARKER SIGN
7	1349+45.05	I-44	EB	RT	0.13	1	MILE MARKER SIGN
10	653+75.94	I-44	EB	RT	0.13	1	MILE MARKER SIGN
10	664+25.83	I-44	EB	RT	0.13	1	MILE MARKER SIGN
10	674+77.58	I-44	WB	LT	0.13	1	MILE MARKER SIGN
10	674+80.06	I-44	EB	RT	0.13	1	MILE MARKER SIGN
11	685+24.92	I-44	EB	RT	0.13	1	MILE MARKER SIGN
11	696+23.36	I-44	EB	RT	0.13	1	MILE MARKER SIGN
12	707+81.61	I-44	WB	LT	0.13	1	MILE MARKER SIGN
12	708+22.39	I-44	WB	LT	0.13	1	GASCONADE RIVER SIGN
12	728+78.08	I-44	WB	LT	0.13	1	MILE MARKER SIGN
12	728+79.46	I-44	EB	RT	0.13	1	MILE MARKER SIGN
13	739+29.72	I-44	EB	RT	0.13	1	MILE MARKER SIGN
13	739+29.79	I-44	WB	LT	0.13	1	MILE MARKER SIGN
13	750+05.32	I-44	EB	RT	0.13	1	MILE MARKER SIGN
13	750+05.83	I-44	WB	LT	0.13	1	MILE MARKER SIGN
14	760+73.02	I-44	WB	LT	0.13	1	MILE MARKER SIGN
14	771+52.11	I-44	EB	RT	0.13	1	MILE MARKER SIGN
14	771+54.44	I-44	WB	LT	0.13	1	MILE MARKER SIGN
14	782+17.67	I-44	WB	LT	0.13	1	MILE MARKER SIGN
14	782+19.21	I-44	EB	RT	0.13	1	MILE MARKER SIGN
15	786+76.00	I-44	MED		0.13	1	MILE MARKER SIGN
15	792+76.48	I-44	EB	RT	0.13	1	MILE MARKER SIGN
15	792+78.80	I-44	WB	LT	0.13	1	MILE MARKER SIGN
15	803+31.12	I-44	WB	LT	0.13	1	MILE MARKER SIGN
15	803+31.17	I-44	EB	RT	0.13	1	MILE MARKER SIGN
15	806+18.05	I-44	WB	LT	0.13	1	MILE MARKER SIGN
16	813+59.65	I-44	WB	LT	0.13	1	MILE MARKER SIGN
16	813+60.19	I-44	EB	RT	0.13	1	MILE MARKER SIGN
				SUBTOTAL	6	45	
				PAY TOTAL	6	45	

NOTE: REMOVAL OF EXISTING SIGNS IS INCLUDED IN THE PAY ITEM "RELOCATE EXISTING SIGN PANEL ASSEMBLY." SEE JSP - RELOCATE EXISTING SIGN ASSEMBLY FOR ADDITIONAL INFO.

SUMMARY OF QUANTITIES
SHEET 9 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:28 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE: I-44 | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: LACLEDE
JOB NO.: JCD0270
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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER
- 11.5" PCCP

SCALE

0 100 200 300 400 500

1195 1200 1205 1210 1215

APPROX. EX. ROW

EX. MEDIAN GUARD CABLE (UIP)

℄ I-44

I-44 WB

I-44 EB

PENNINGTON DR

APPROX. EX. ROW

BEGIN PROJECT STA 1215+34.00 SEGMENT 1

+34.00

8'-0"

30'-0"

6'-0"

MATCHLINE STA. 1219+00.00

1220 1210 1200 1190 1180 1170 1160 1150 1140 1130 1120 1110 1100 1090 1080 1070 1060 1050

EXIST. GROUND LINE

1192+00 1194+00 1196+00 1198+00 1200+00 1202+00 1204+00 1206+00 1208+00 1210+00 1212+00 1214+00 1216+00 1218+00

PLAN AND PROFILE

SHEET 1 OF 16

WILLIAM G. KRUSSEL
NUMBER E-27561
STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:28 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	4

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

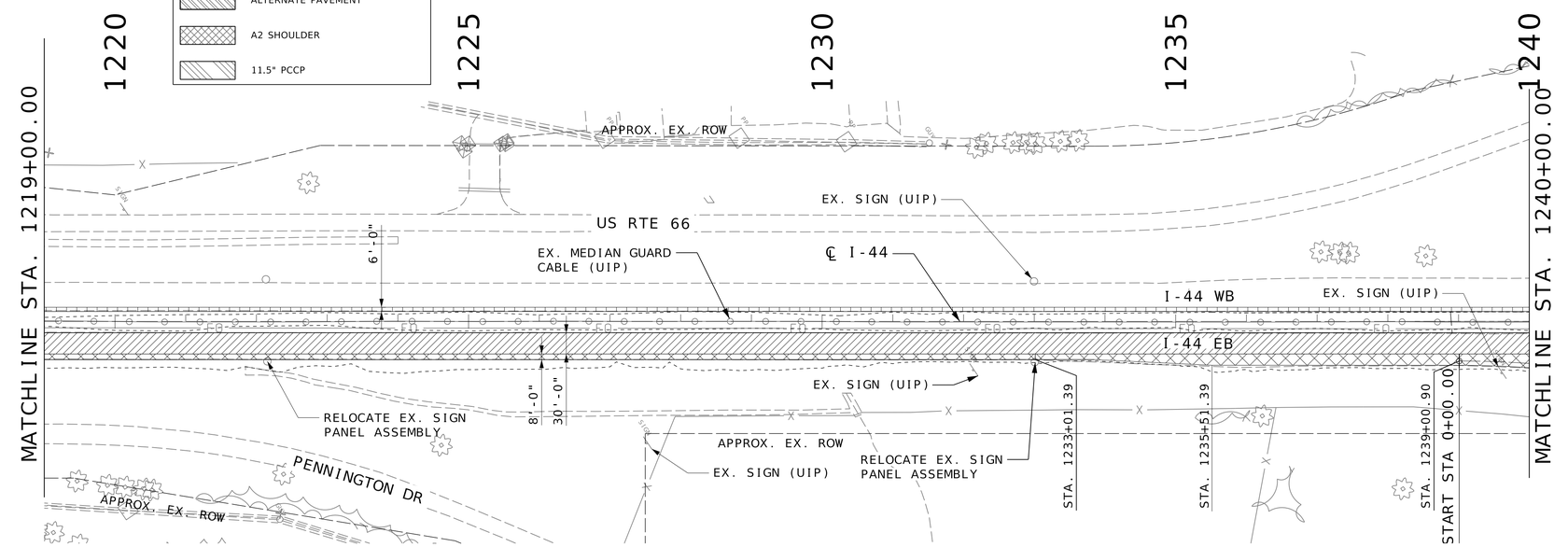
004_PP_01_JCD0270_I100.dgn 11:37:59 PM 9/20/2026

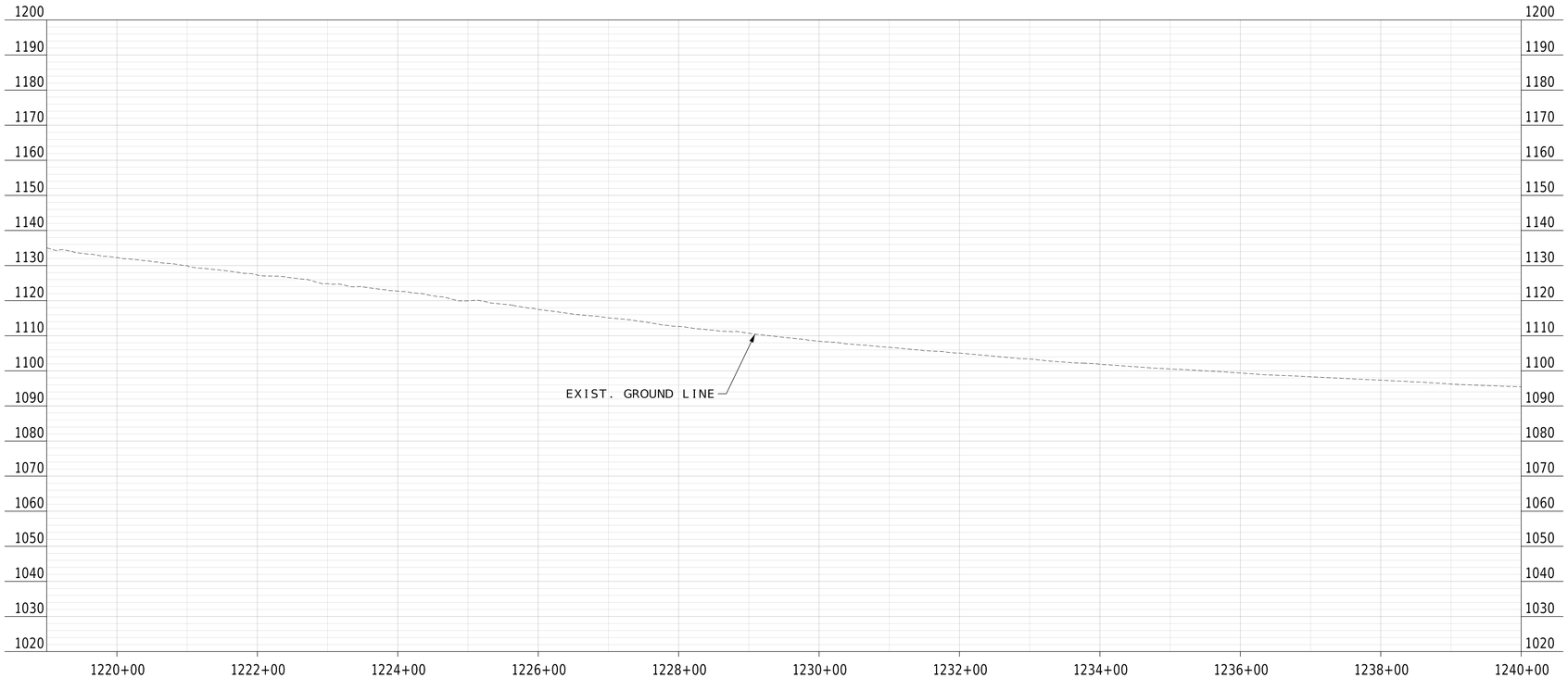
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER
- 11.5" PCCP

SCALE
0 100 200 300 400 500





PLAN AND PROFILE
SHEET 2 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:28 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	5

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

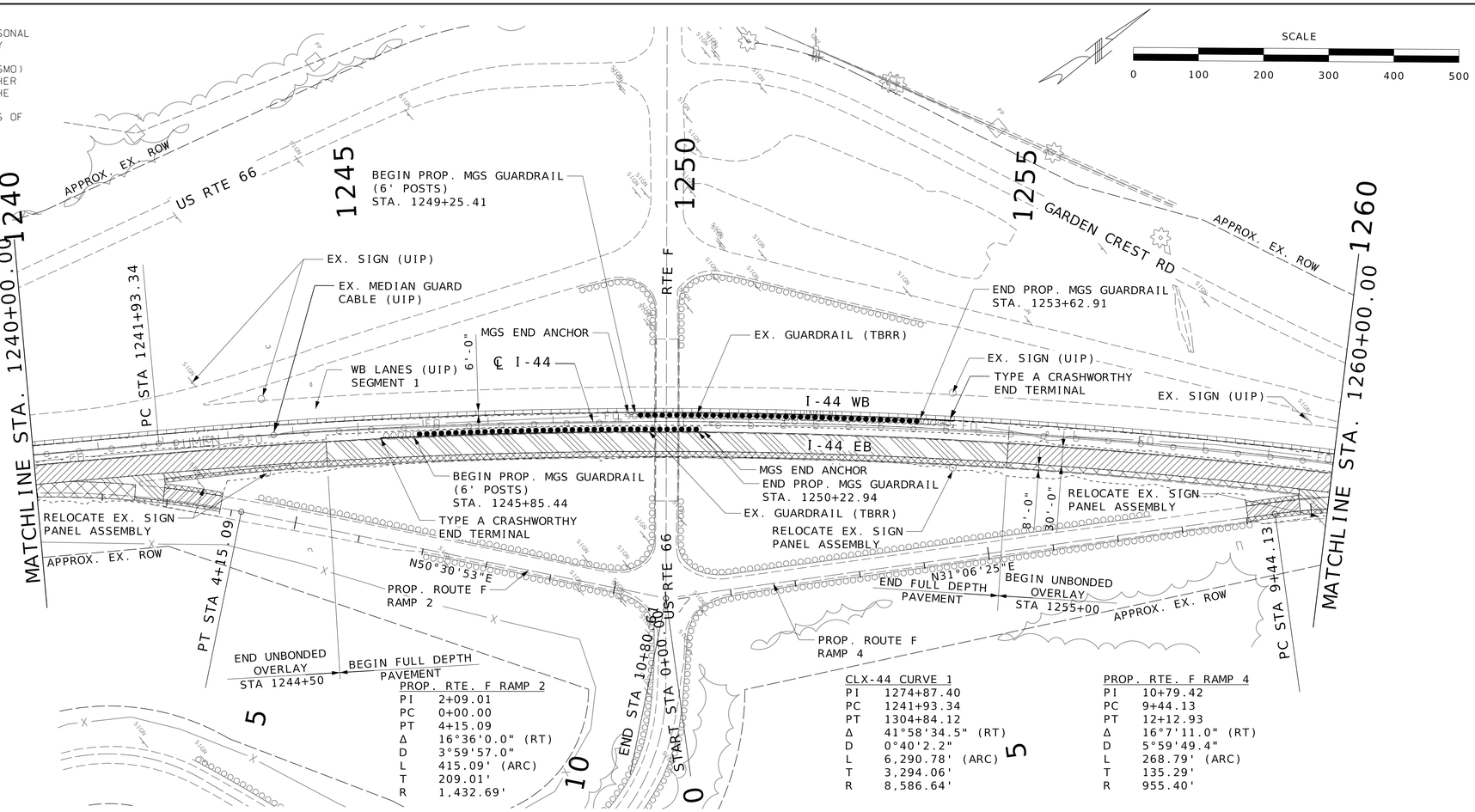
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

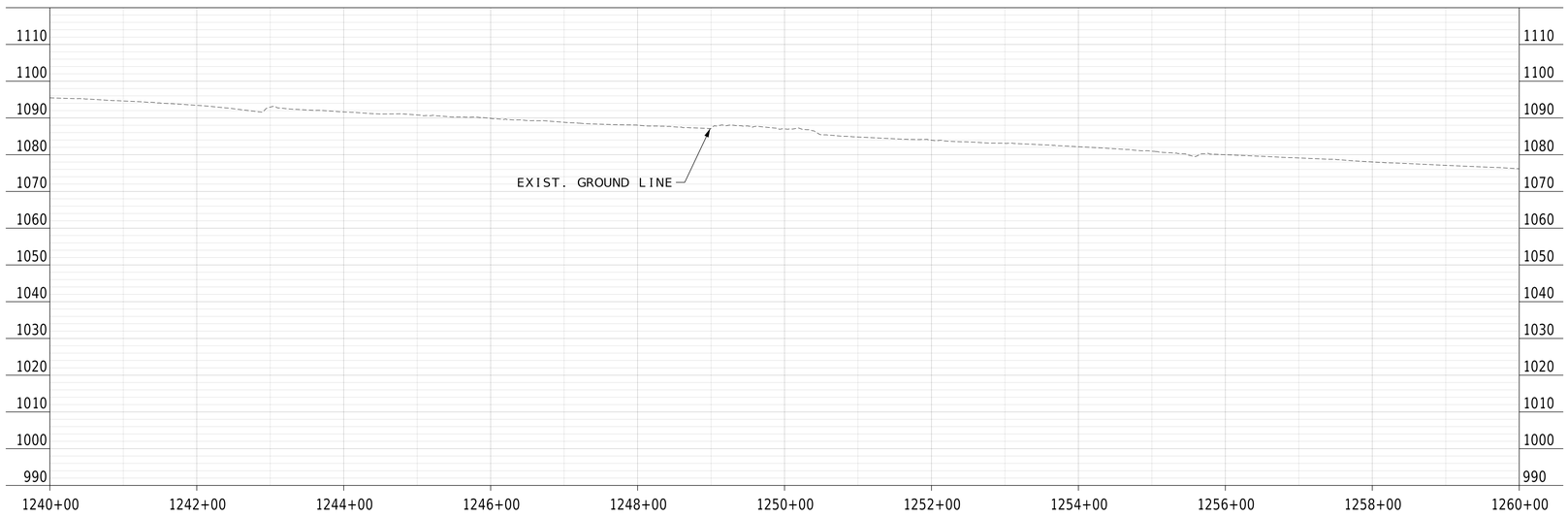
005_PP_02_JCD0270_I100.dgn 11:39:07 PM 9/20/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER
- 11.5" PCCP





PLAN AND PROFILE
SHEET 3 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

10/12/2026 6:10:29 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	6

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

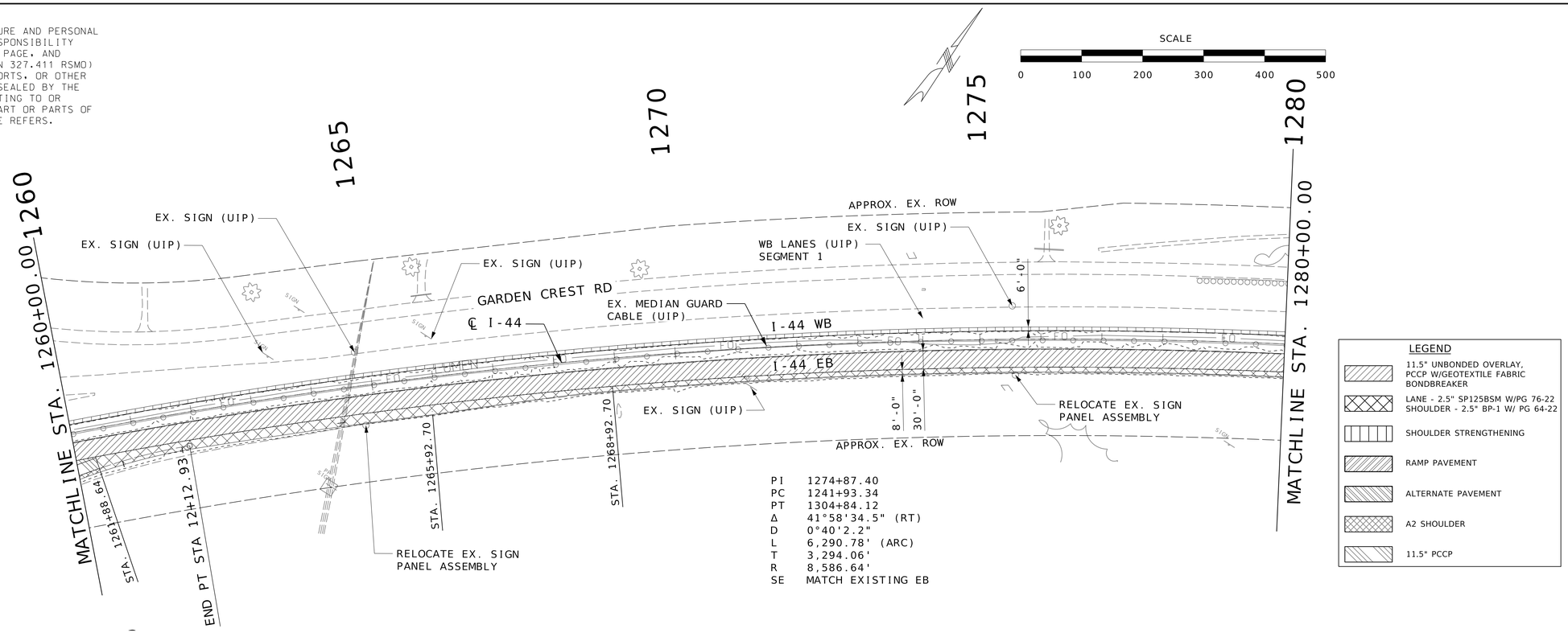
DATE	DESCRIPTION

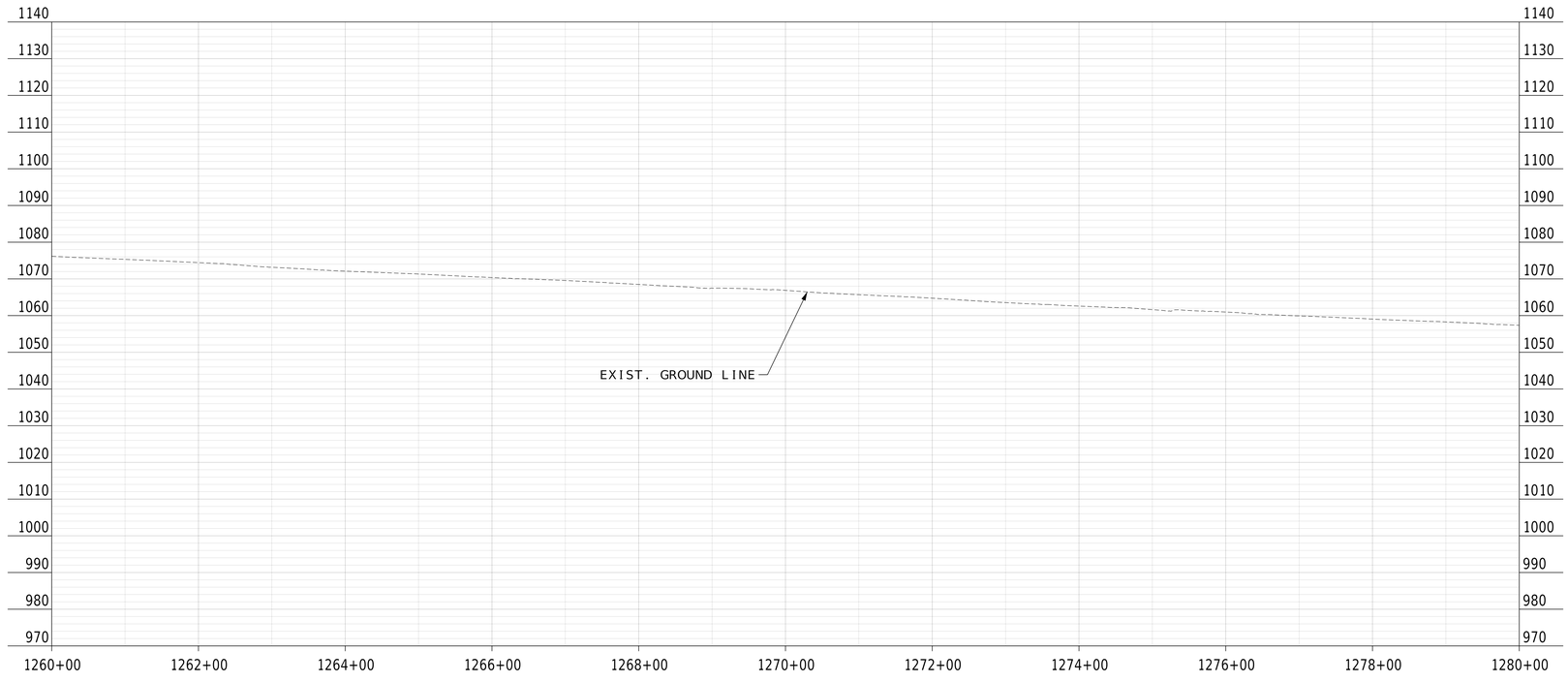
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

006_PP-03_JCD0270_I100.dgn 3:04:03 PM 10/12/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





PLAN AND PROFILE
SHEET 4 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
10/12/2026 6:10:30 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

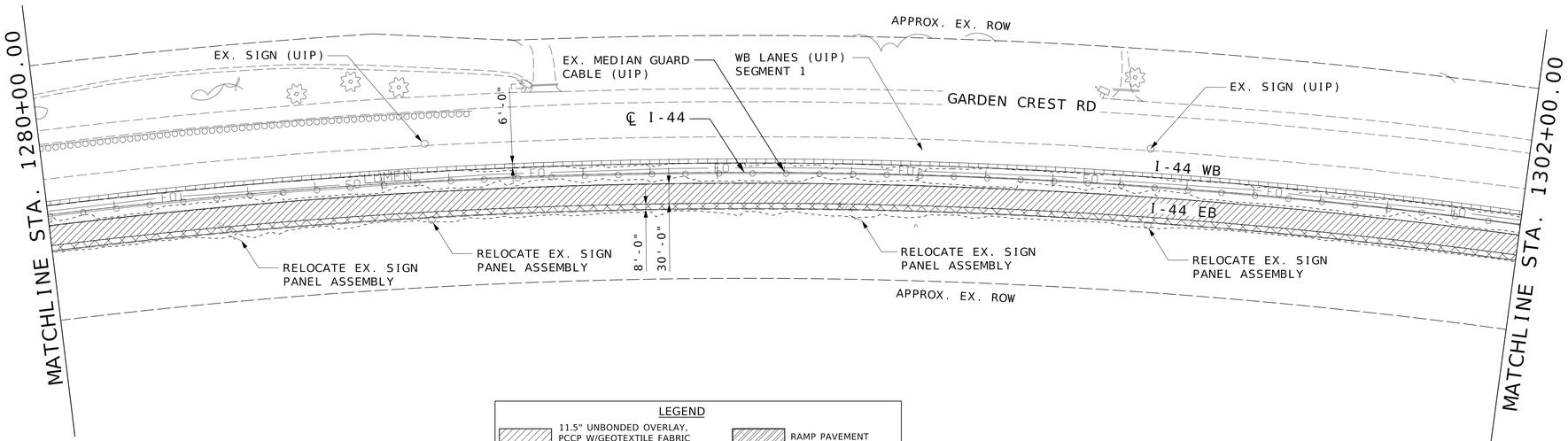
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

007_PP_04_JCD0270_I100.dgn 3:05:41 PM 10/12/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

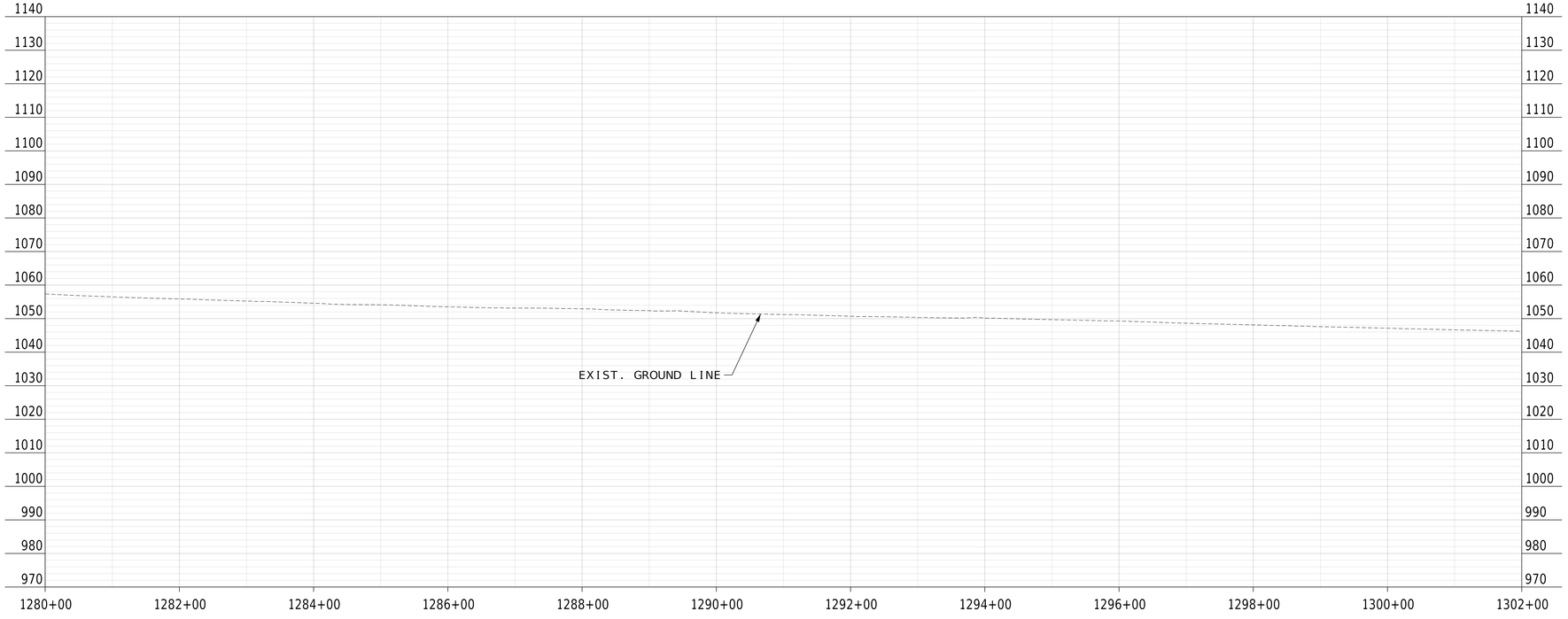
1285 1290 1295 1300

SCALE
0 100 200 300 400 500



LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER



PLAN AND PROFILE
SHEET 5 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:29 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	8

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

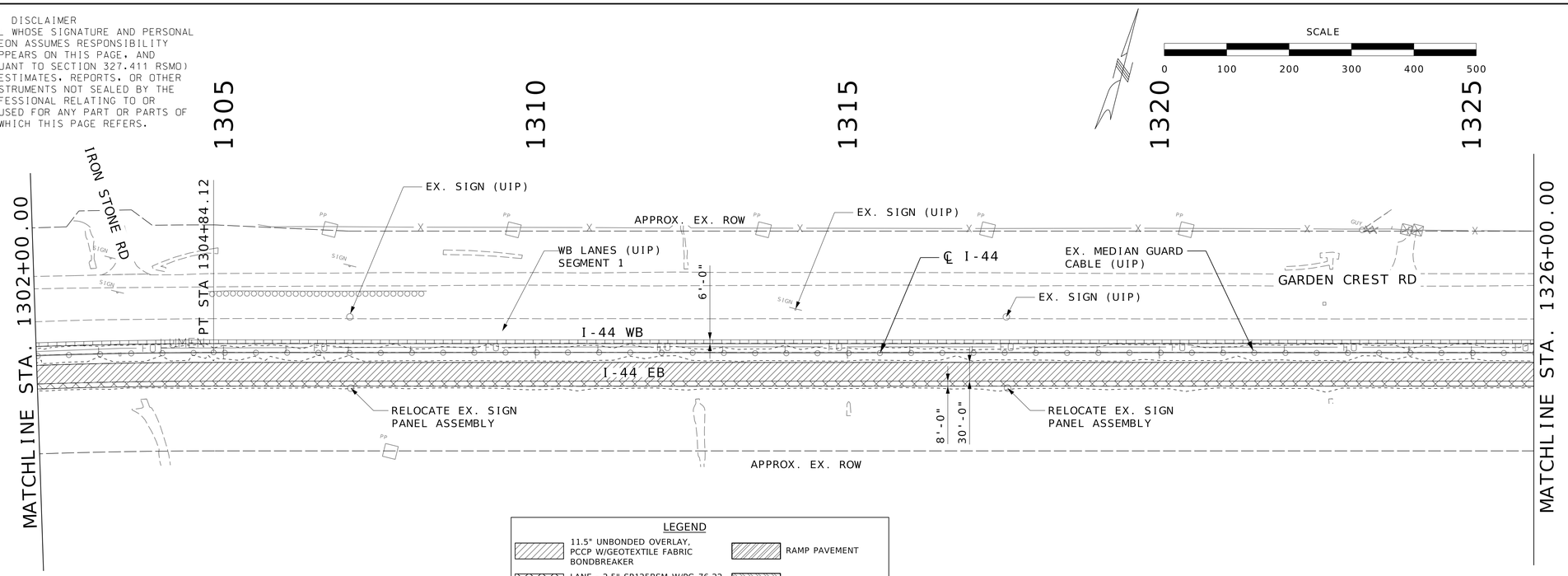
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

008_PP_05_JCD0270_I100.dgn 11:42:59 PM 9/20/2026

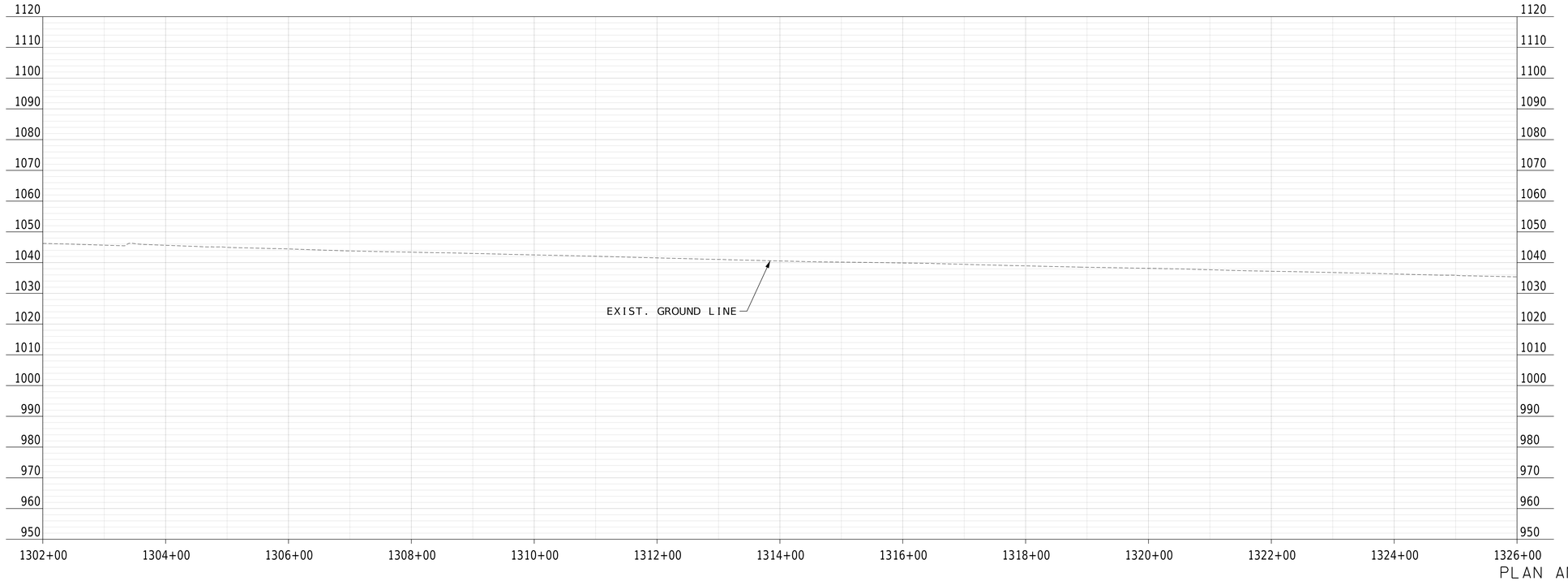
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500



LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER



PLAN AND PROFILE
SHEET 6 OF 16

009_PP_06_JCD0270_I100.dgn 11:44:13 PM 9/20/2026

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:29 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	9

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

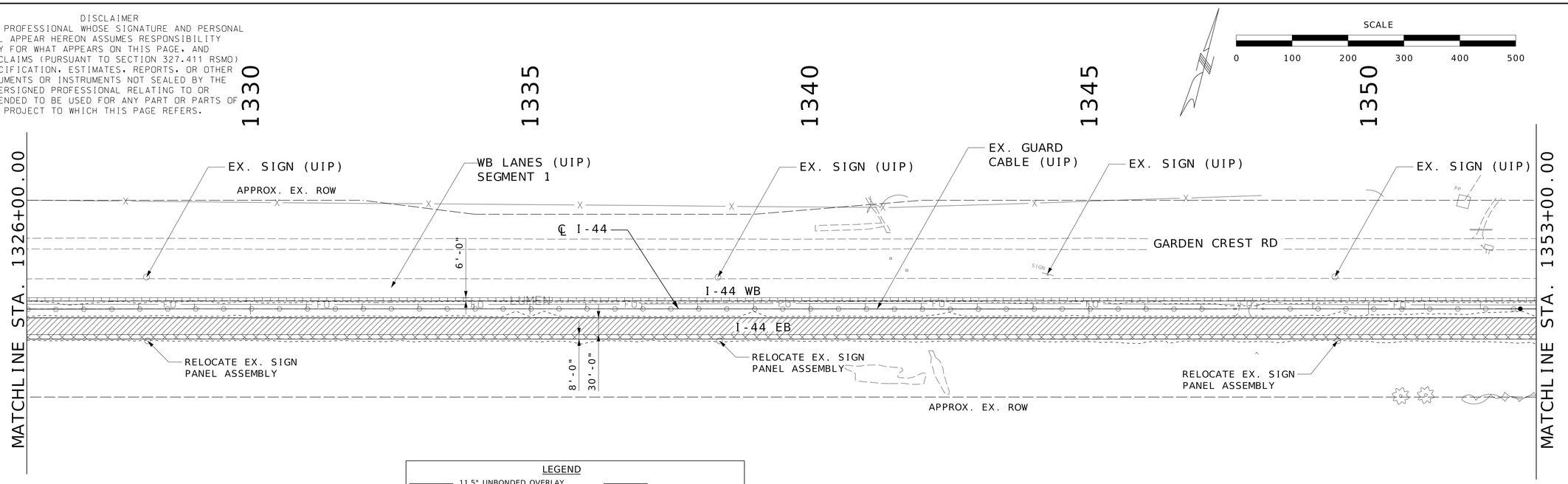
DATE	DESCRIPTION

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

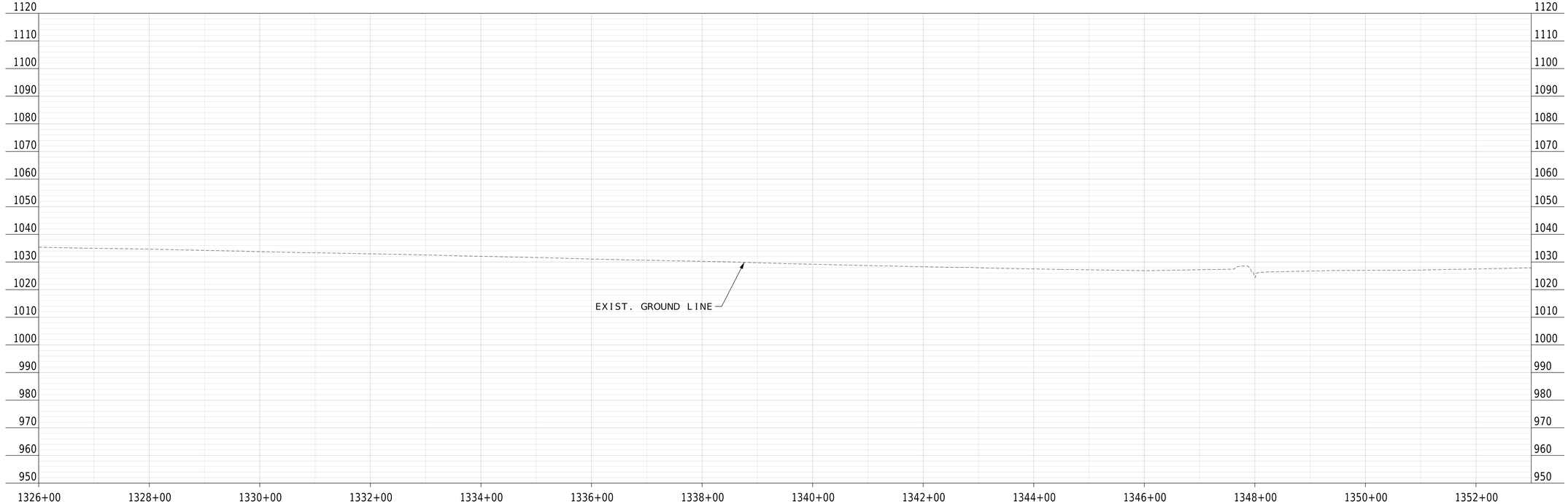
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500



LEGEND
- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER



PLAN AND PROFILE
SHEET 7 OF 16

WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

09/21/2026 8:27:30 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	10

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

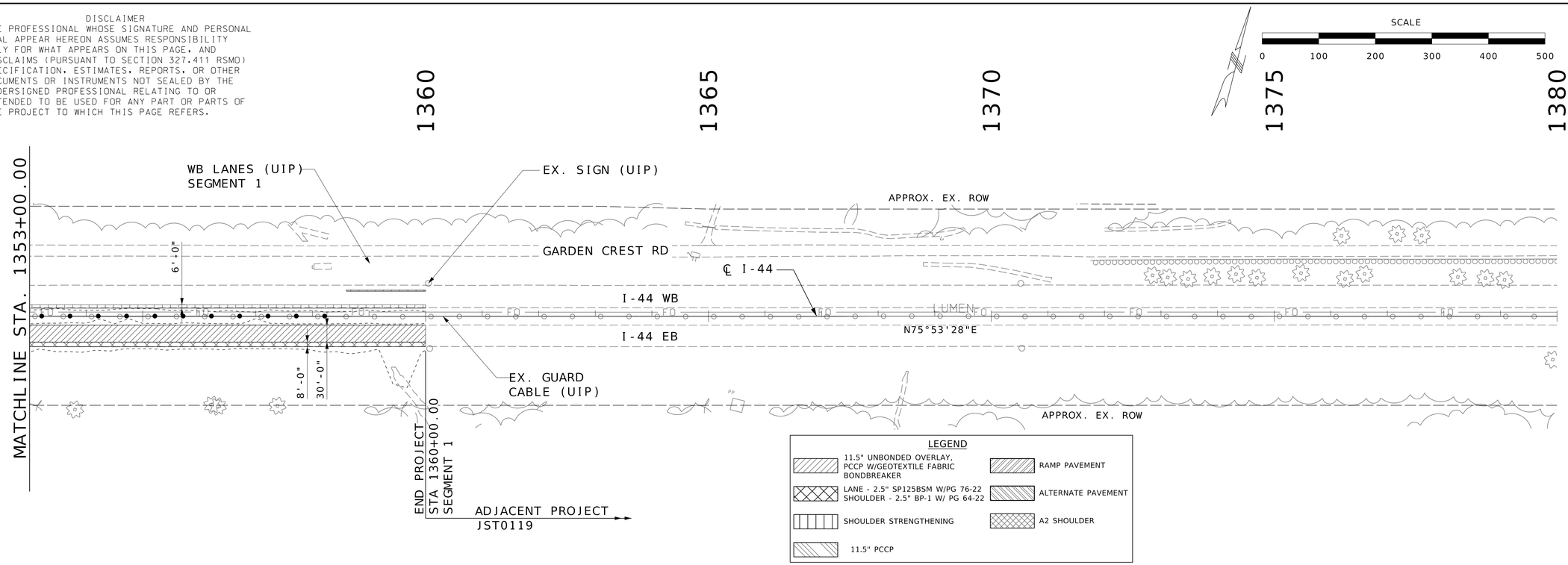
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

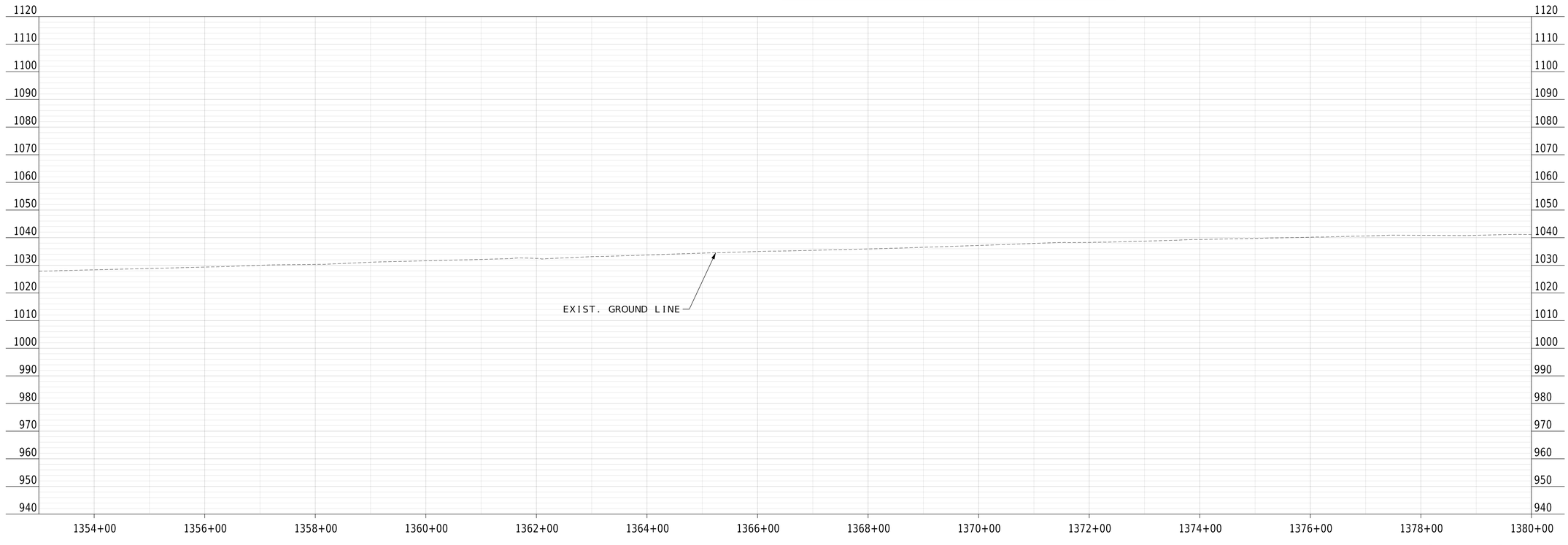
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

010_PP_07_JCD0270_I100.dgn 11:45:25 PM 9/20/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500





PLAN AND PROFILE
SHEET 8 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:30 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	11

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

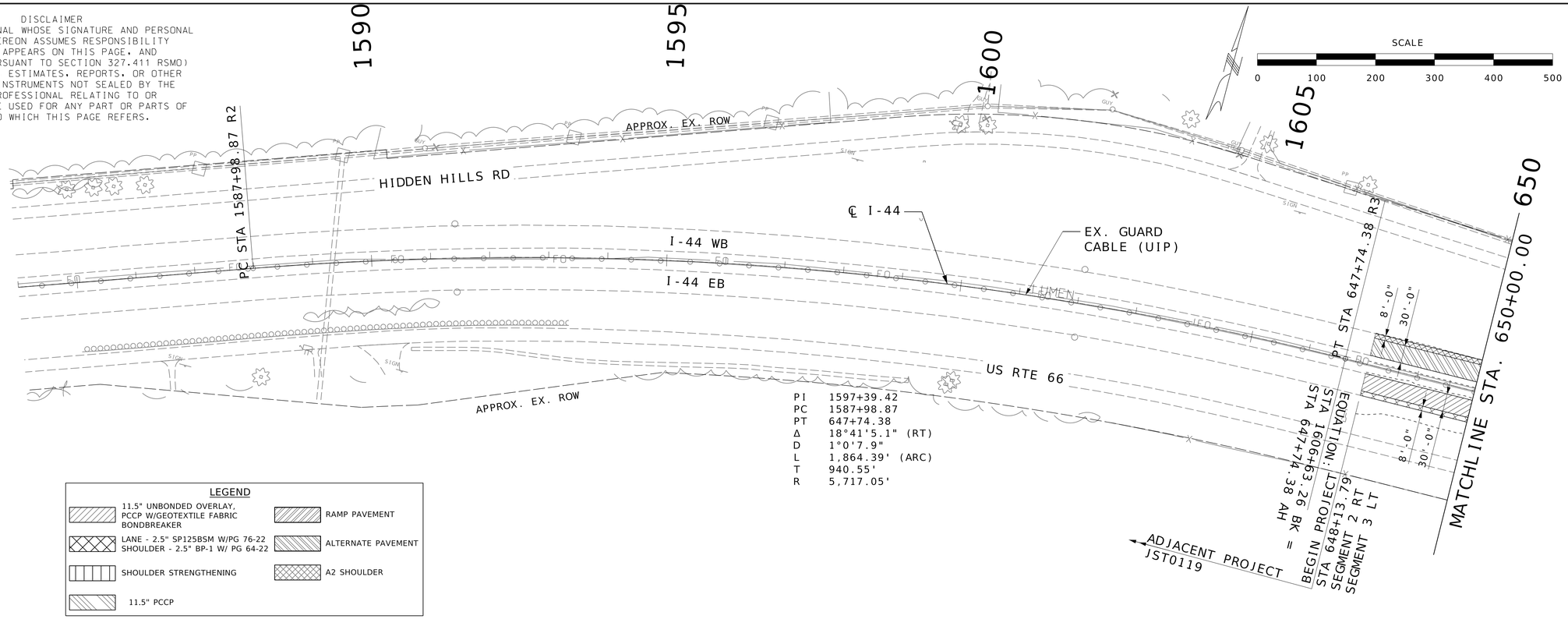
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

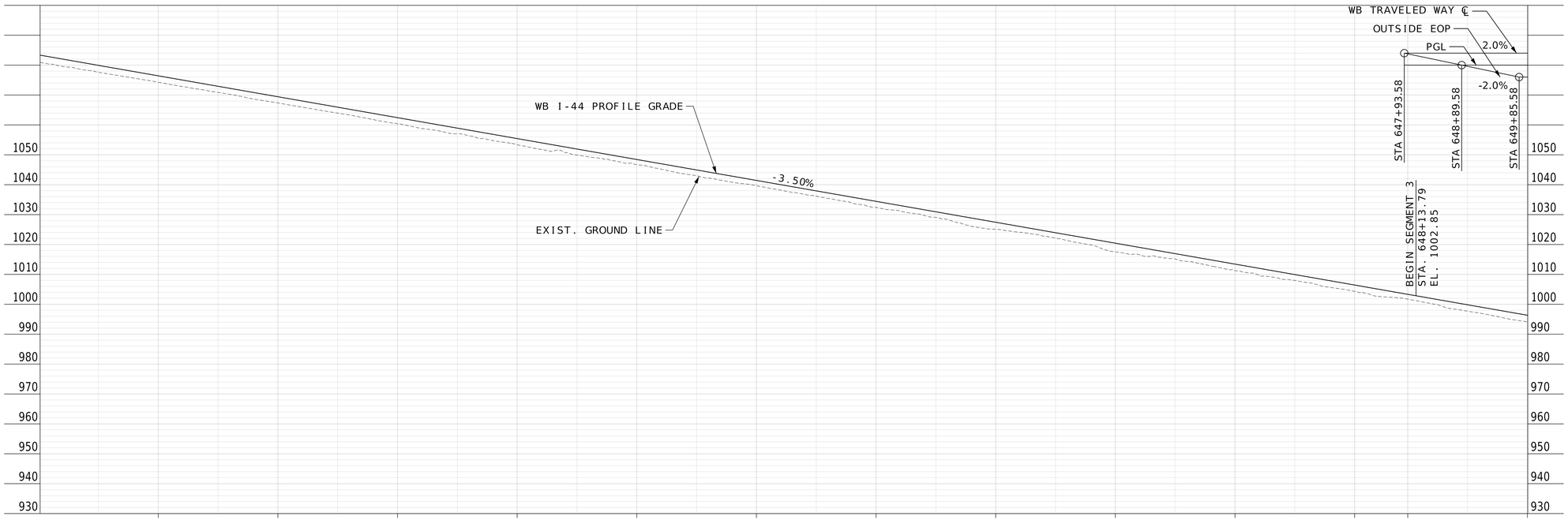
011_PP_08_JCD0270_I100.dgn 11:46:35 PM 9/20/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER



PLAN AND PROFILE
SHEET 9 OF 16

012_PP_09_JCD0270_I100.dgn 11:47:45 PM 9/20/2026

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:30 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	12

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

NO.	DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500

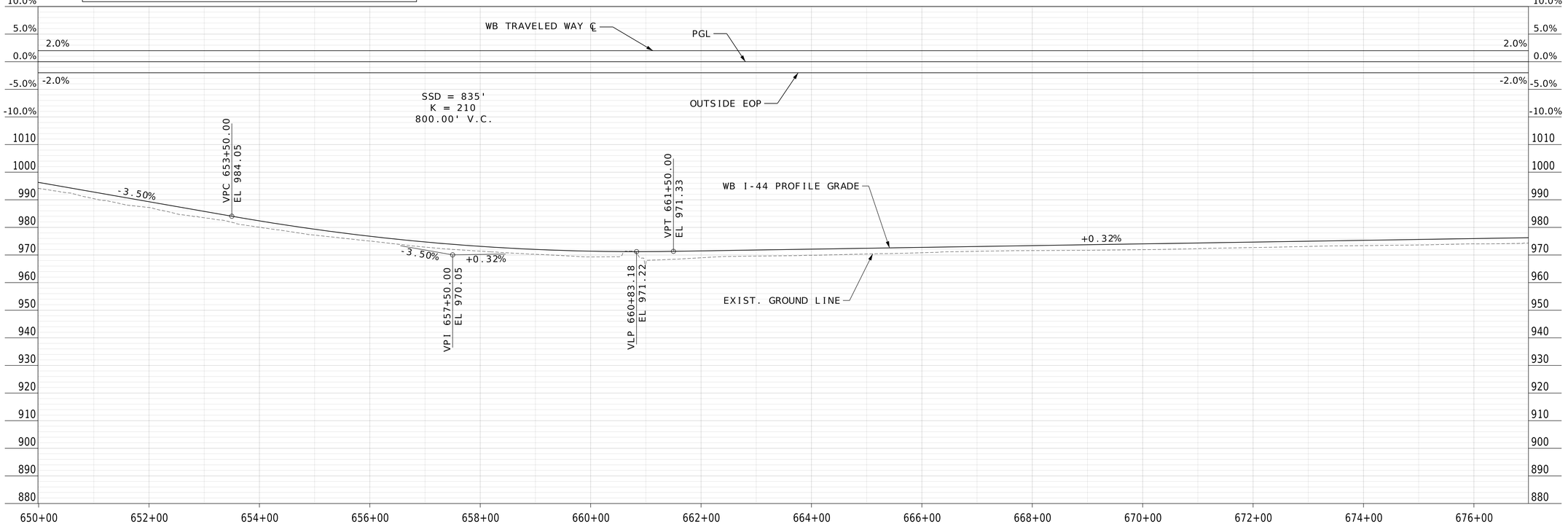
655 660 665 670 675

MATCHLINE STA. 650+00.00

EX. SIGN (UIP)
8'-0"
30'-0"
PERMANENT CROSSOVER TO BE RESTORED W/ GRAVEL (A) OR CRUSHED STONE (B)
HIDDEN HILLS RD
EX. GUARD CABLE (UIP)
APPROX. EX. ROW
EX. SIGN (UIP)
RELOCATE EX. SIGN PANEL ASSEMBLY
I-44 WB
I-44 EB
N89°15'28"E
RELOCATE EX. SIGN PANEL ASSEMBLY
EX. GUARDRAIL (TBRR)
MGS END ANCHOR
RELOCATE EX. SIGN PANEL ASSEMBLY
US RTE 66
APPROX. EX. ROW
BEGIN PROP. MGS GUARDRAIL (6' POSTS) STA. 657+21.74
TYPE A CRASHWORTHY END TERMINAL
RELOCATE EX. SIGN PANEL ASSEMBLY
END PROP. MGS GUARDRAIL STA. 661+21.74
TREELINE LN
RELOCATE EX. SIGN PANEL ASSEMBLY

MATCHLINE STA. 677+00.00

LEGEND
- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER



PLAN AND PROFILE
SHEET 10 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:31 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	13

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER

EAST INTERSTATE 44 MILE 142 .8 — SIGN 1 D10-5 18X60 NEW STA. 685+25 WB LT

EAST INTERSTATE 44 MILE 143 .0 — SIGN 2 D10-5 18X60 NEW STA. 696+23 WB LT

SCALE 0 100 200 300 400 500

MATCHLINE STA. 677+00.00

PC STA 680+31.80 R3

PI 688+71.12
PC 680+31.80
PT 696+65.67
Δ 32°19'59.9" (LT)
D 1°58'44.2"
L 1,633.87' (ARC)
T 839.33'
R 2,895.27'

PT STA 696+65.67 R3

STA 700+42.10 BRIDGE L06982 EXCEPTION

MATCHLINE STA. 705+00.00

8'-0" 30'-0"

EX. GUARD CABLE (UIP)

APPROX. EX. ROW

HIDDEN HILLS RD

SEE SIGN 1 NOTE

SEE SIGN 2 NOTE

EX. GUARDRAIL (TBRR)

BEGIN PROP. MGS GUARDRAIL STA. 695+30.39

TYPE A CRASHWORTHY END TERMINAL

℄ I-44

I-44 WB

I-44 EB

HEARTWOOD RD

APPROX. EX. ROW

TYPE A CRASHWORTHY END TERMINAL

BEGIN PROP. MGS GUARDRAIL STA. 685+13.10

EX. GUARDRAIL (TBRR)

RELOCATE EX. SIGN PANEL ASSEMBLY

END UNBONDED OVERLAY STA 689+92.35

BEGIN FULL DEPTH PAVEMENT

RELOCATE EX. SIGN PANEL ASSEMBLY

EX. SIGN (UIP)

EQUATION: STA 697+63.61 BK = STA 698+50.60 AH

BRIDGE ANCHOR SECTION

BEGIN PROP. MGS GUARDRAIL STA. 700+12.87

END SHLDR TAPER 700+00.37

EX. GUARDRAIL (TBRR)

BEGIN SHLDR TAPER 699+50.53

MGS END ANCHOR

CONC APPROACH PAVEMENT

BRIDGE ANCHOR SECTION

CONC APPROACH PAVEMENT

BRIDGE ANCHOR SECTION

END FULL DEPTH PAVEMENT STA. 700+14.34

STA 702+34.14 BRIDGE L06974 & L07523 EXCEPTION

END PROP. MGS GUARDRAIL STA. 700+17.52

END SHLDR TAPER 700+14.34

BEGIN SHLDR TAPER 699+10.00

GASCONADE RIVER

GASCONADE RIVER

10.0% 5.0% 0.0% -5.0% -10.0%

WB TRAVELED WAY ℄
OUTSIDE EOP
678+20.60
STA 679+16.60
2.0%
-2.0%
VHP 677+84.36
EL 976.40
VPC 677+24.60
VPC 677+00.00
EL 976.27
+0.32%
-6.6%
STA 681+37.40
VPI 684+00.00
EL 978.50
+0.32%
-4.97%
WB TRAVELED WAY ℄ AND OUTSIDE EOP
PGL
WB I-44 PROFILE GRADE
EXIST. GROUND LINE
SSD = 756'
K = 265
1,400.00' V.C.
VPT 691+00.00
EL 943.69
-6.6%
VPC 695+63.01
EL 920.66
STA 695+60.07
WB TRAVELED WAY ℄
2.0%
-2.0%
OUTSIDE EOP
STA 698+67.86
STA 700+59.86
SSD = 1,087'
K = 199
500.00' V.C.
-4.97%
VPI 699+00.00
EL 908.23
-2.46%
VPT 701+50.00
EL 902.08
-2.46%

970 960 950 940 930 920 910 900 890 880 870 860 850

678+00 680+00 682+00 684+00 686+00 688+00 690+00 692+00 694+00 696+00 700+00 702+00 704+00

PLAN AND PROFILE
SHEET 11 OF 16

014_PP_11_JCD0270_I100.dgn 11:50:02 PM 9/20/2026

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:31 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	14

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

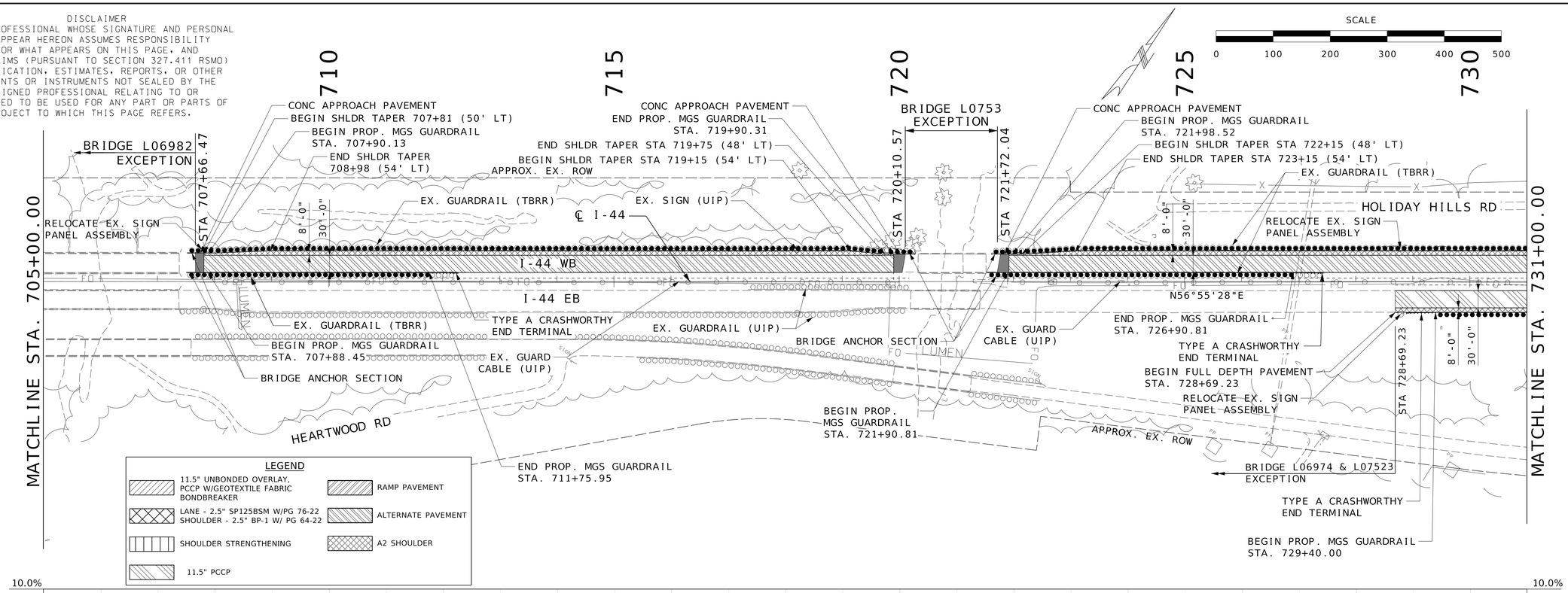
DATE	DESCRIPTION

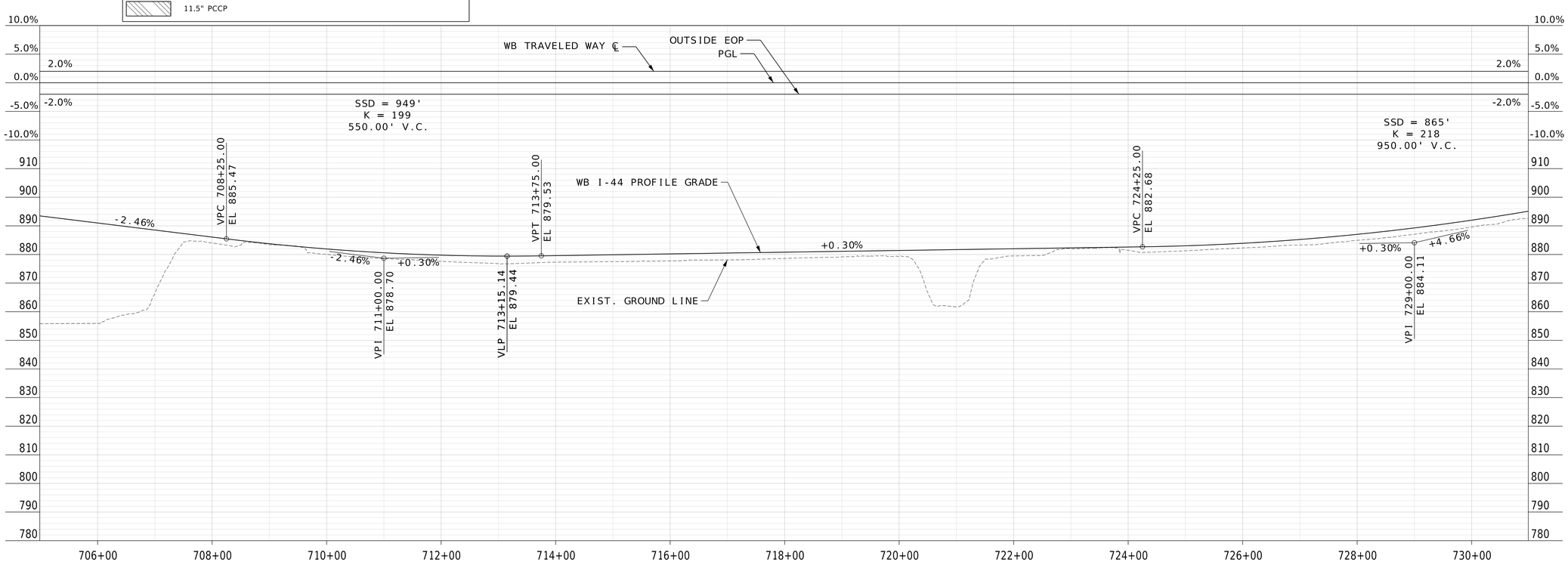
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





PLAN AND PROFILE
SHEET 12 OF 16

WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

09/21/2026 8:27:31 AM
William G. Krussel
MO PE-27561

DATE PREPARED: 9/20/2026
ROUTE: I-44
STATE: MO
DISTRICT: CD
SHEET NO.: 15
COUNTY: LACLEDE
JOB NO.: JCD0270
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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

015_PP_12_JCD0270_I100.dgn 11:51:11 PM 9/20/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500

735 740 745 750 755

MATCHLINE STA. 731+00.00

HOLIDAY HILLS RD

℄ I-44

8'-0" 30'-0"

RELOCATE EX. SIGN PANEL ASSEMBLY

EX. GUARDRAIL (TBRR)

APPROX. EX. ROW

TYPE A CRASHWORTHY END TERMINAL

END PROP. MGS GUARDRAIL STA. 752+61.13

PC STA 753+23.95 R4

RELOCATE EX. SIGN PANEL ASSEMBLY

HOLIDAY HILLS RD

I-44 WB

I-44 EB

END FULL DEPTH PAVEMENT STA 731+19.23

BEGIN UNBONDED OVERLAY

8'-0" 30'-0"

RELOCATE EX. SIGN PANEL ASSEMBLY

PROP. MGS GUARDRAIL

EX. GUARD CABLE (UIP)

EX. GUARDRAIL (TBRR)

MGS END ANCHOR

RELOCATE EX. SIGN PANEL ASSEMBLY

END PROP. MGS GUARDRAIL STA. 747+90.00

US RTE 66

HEARTWOOD RD

APPROX. EX. ROW

MATCHLINE STA. 758+00.00

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER

10.0% 5.0% 2.0% 0.0% -2.0% -5.0% -10.0%

WB TRAVELED WAY ℄

OUTSIDE EOP
PGL

WB TRAVELED WAY ℄ AND OUTSIDE EOP

6.4%

STA 750+23.15
STA 751+19.15
STA 752+15.15
STA 754+26.35

WB I-44 PROFILE GRADE

VPC 751+25.00
EL 987.69

+4.66%

EXIST. GROUND LINE

VPT 733+75.00
EL 906.22

990 980 970 960 950 940 930 920 910 900 890 880 870

732+00 734+00 736+00 738+00 740+00 742+00 744+00 746+00 748+00 750+00 752+00 754+00 756+00 758+00

PLAN AND PROFILE
SHEET 13 OF 16

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:32 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	16

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

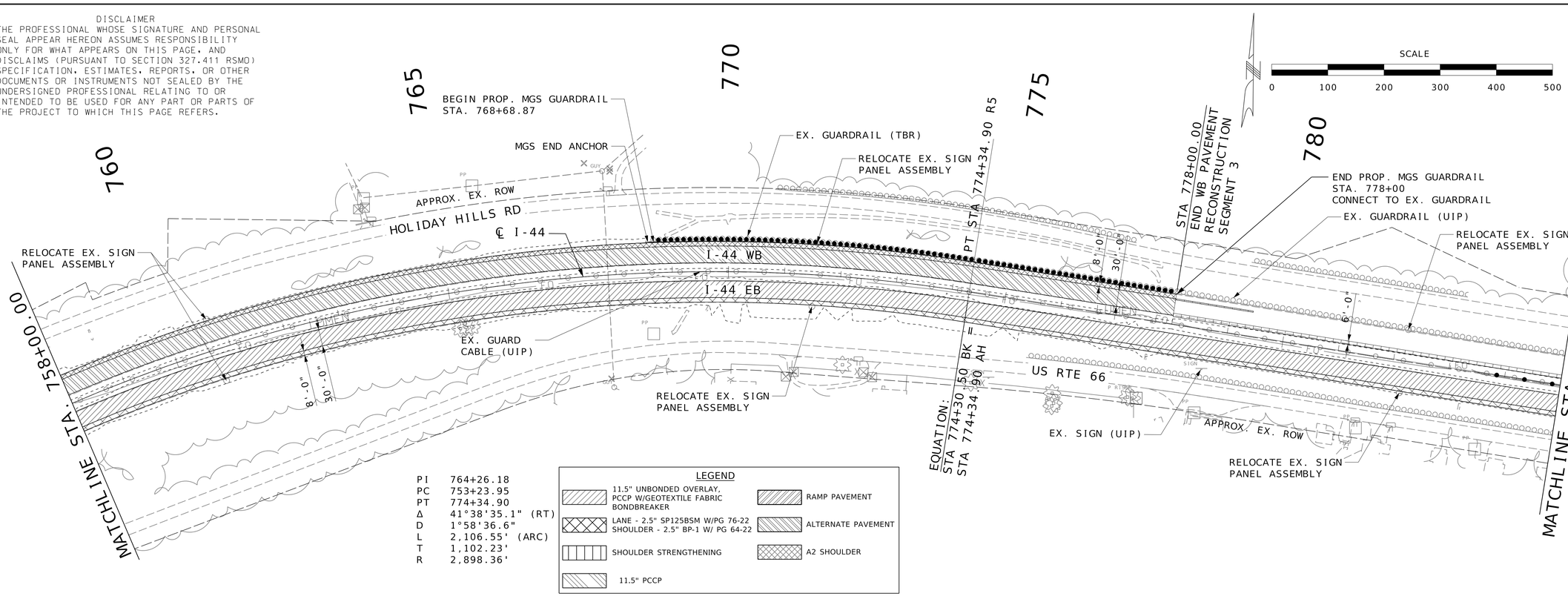
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

016_PP_13_JCD0270_I100.dgn 11:52:24 PM 9/20/2026

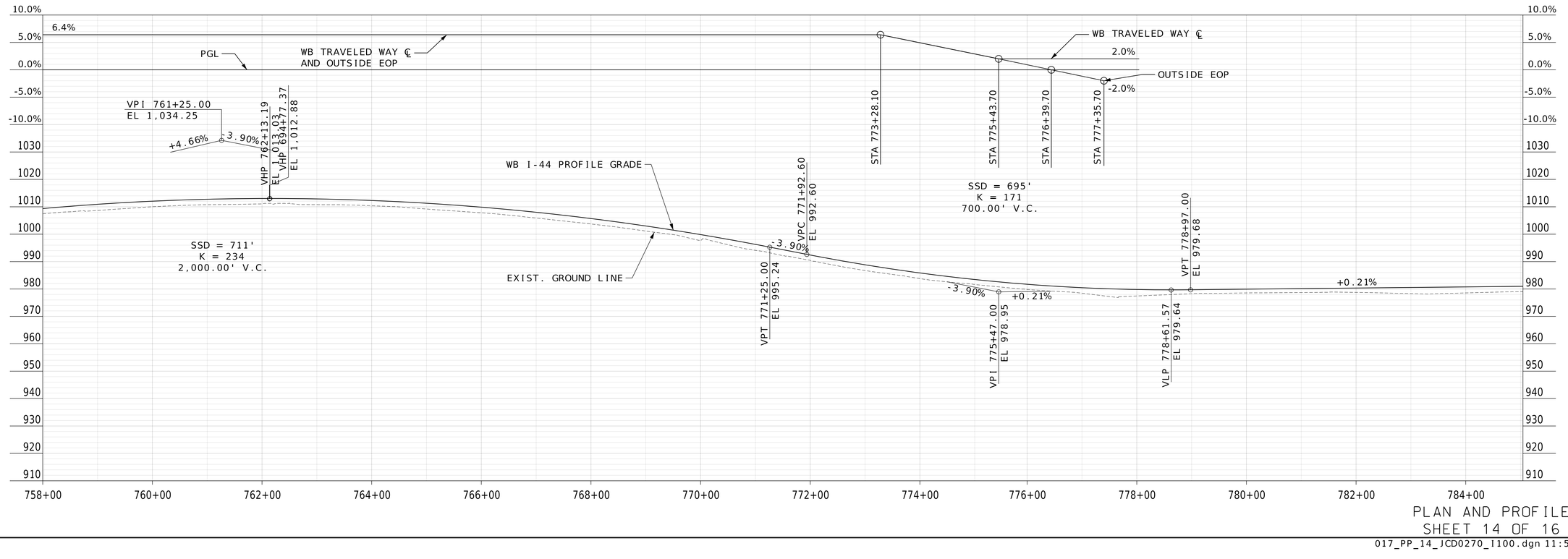
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



PI	764+26.18
PC	753+23.95
PT	774+34.90
Δ	41°38'35.1" (RT)
D	1°58'36.6"
L	2,106.55' (ARC)
T	1,102.23'
R	2,898.36'

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22
  SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER



PLAN AND PROFILE
SHEET 14 OF 16

017_PP_14_JCD0270_I100.dgn 11:53:32 PM 9/20/2026

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
WILLIAM G. KRUSSEL
NUMBER E-27561

09/21/2026 8:27:32 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	17

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

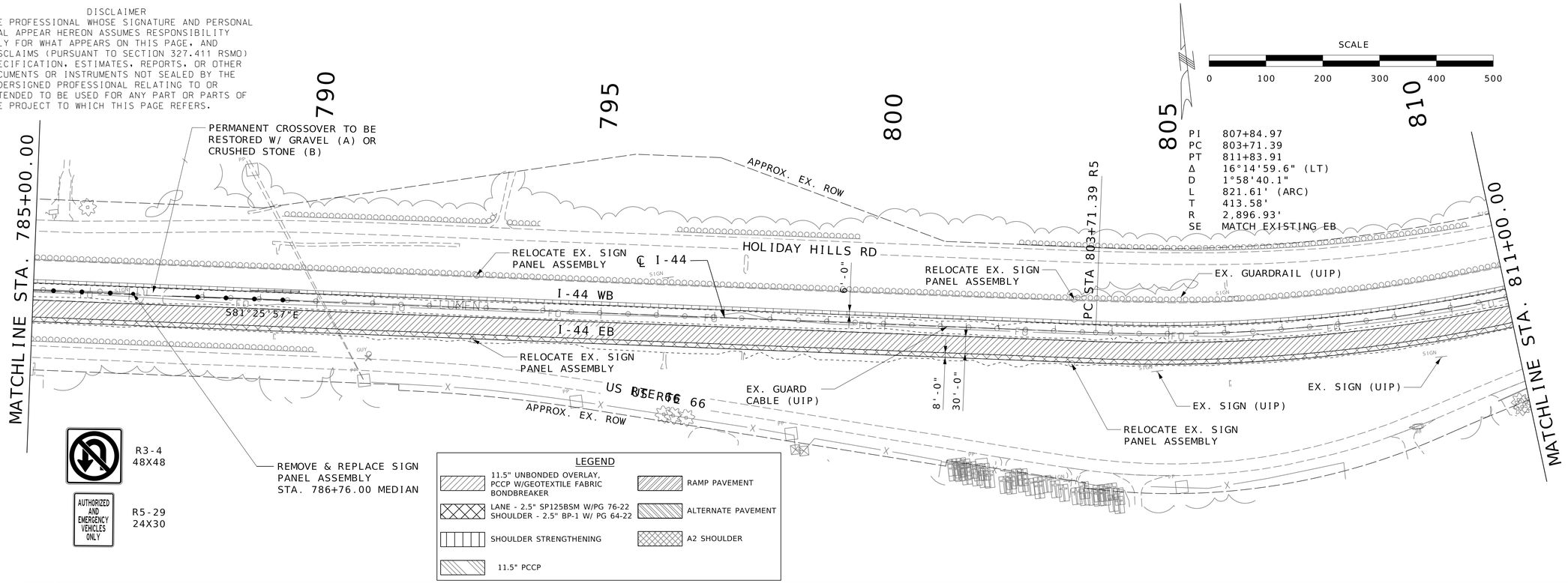
BRIDGE NO.

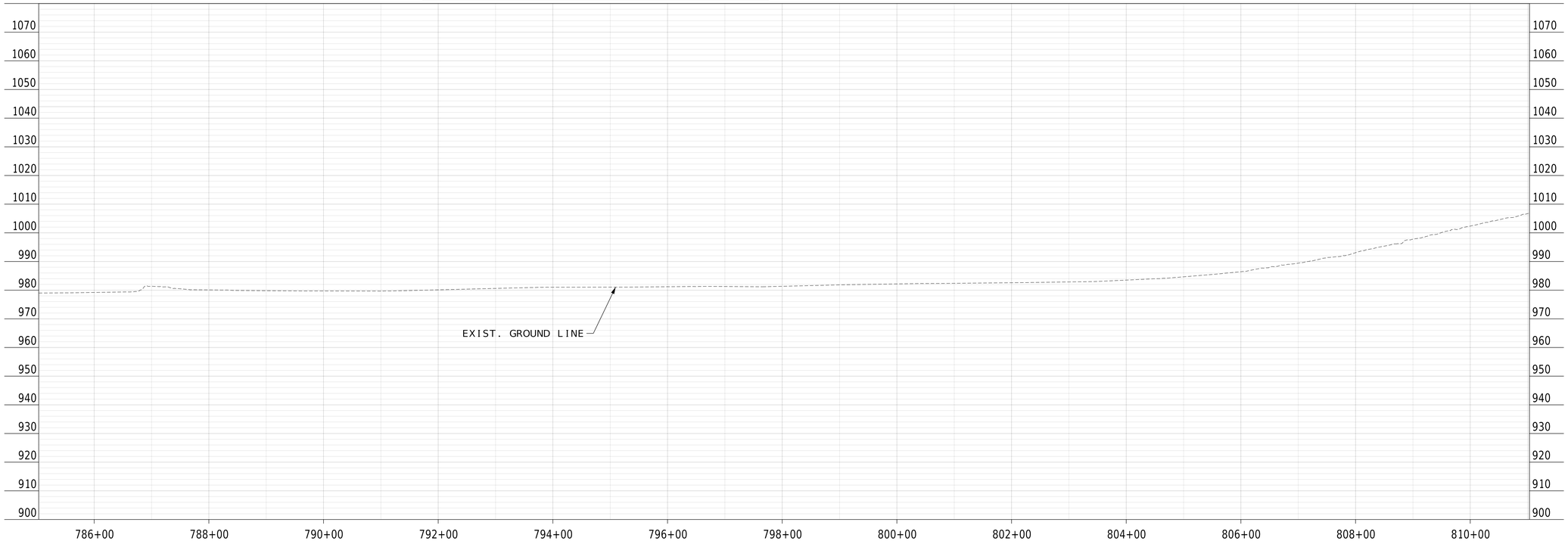
DATE	DESCRIPTION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





PLAN AND PROFILE
SHEET 15 OF 16

018_PP_15_JCD0270_I100.dgn 11:54:44 PM 9/20/2026

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:32 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	18

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

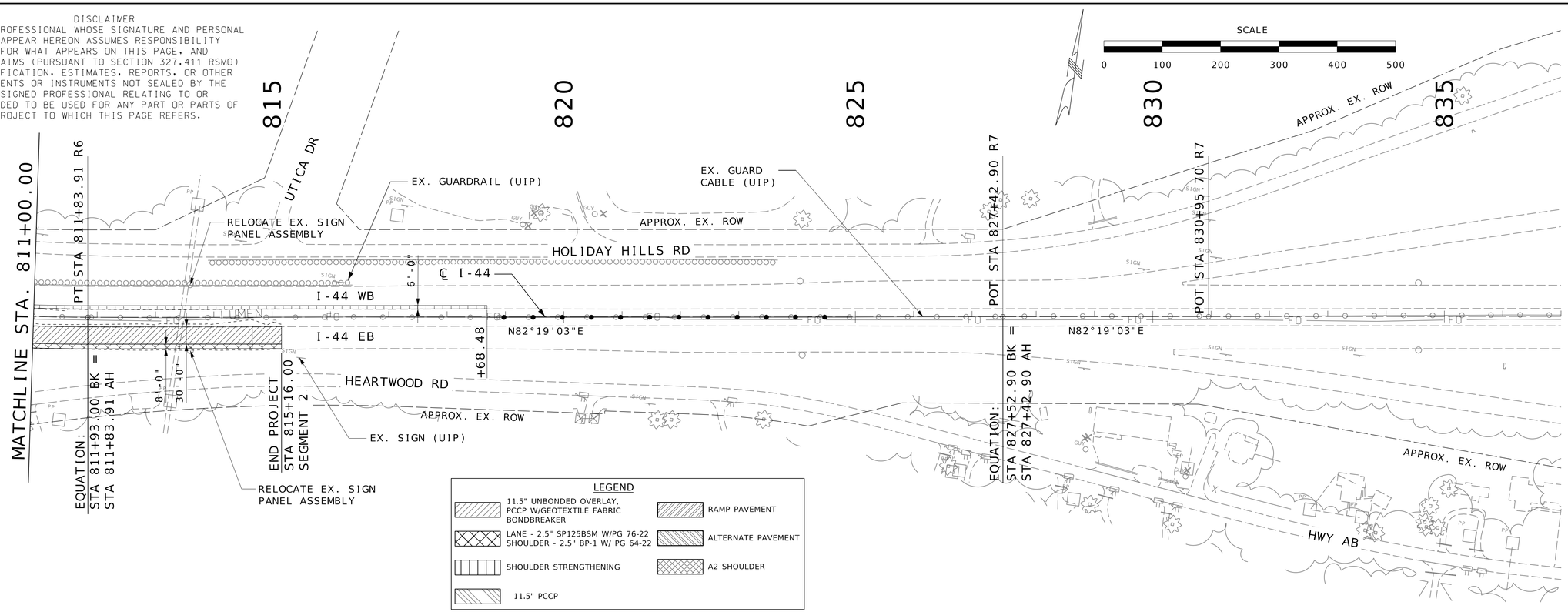
BRIDGE NO.

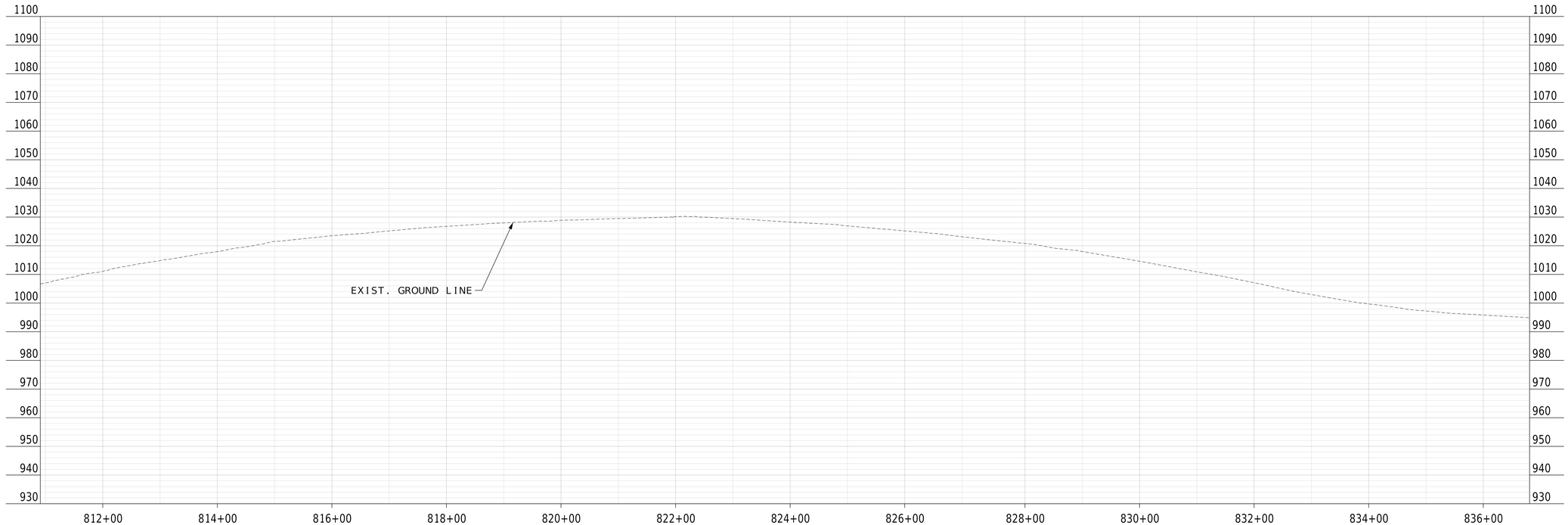
DESCRIPTION	DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.





PLAN AND PROFILE
SHEET 16 OF 16

WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI

09/21/2026 8:27:33 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/20/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	19

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

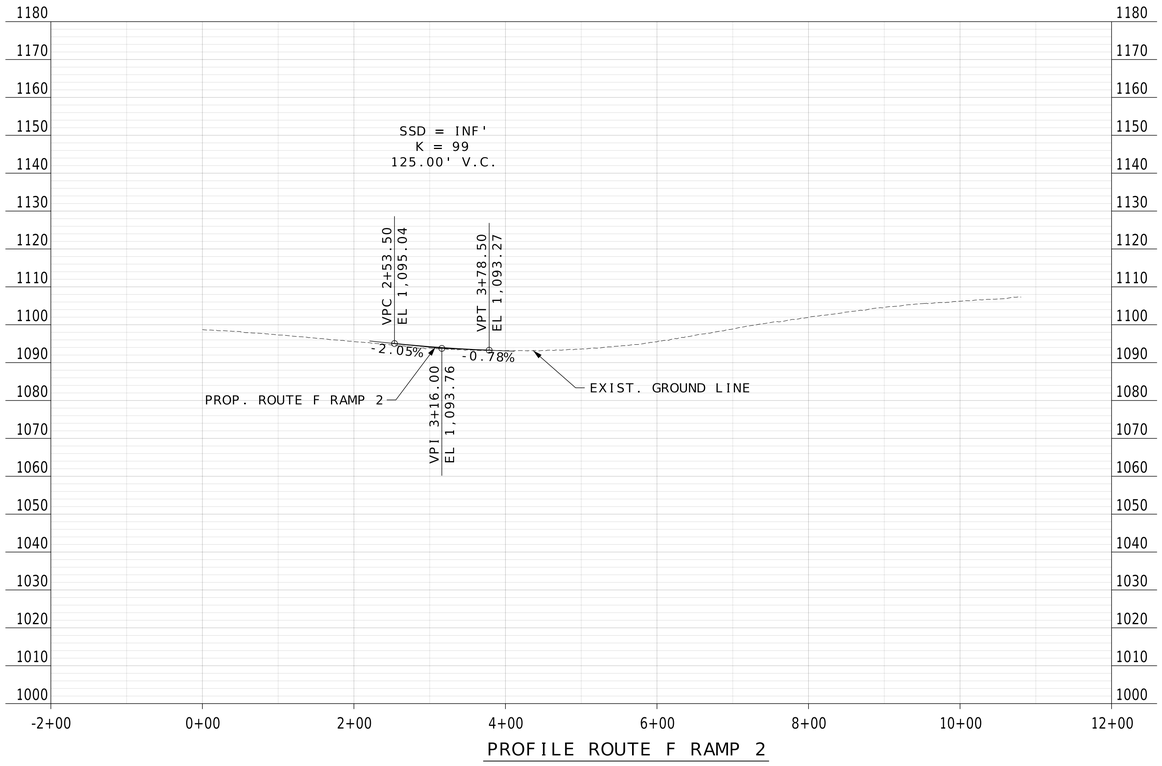
PROJECT NO.

BRIDGE NO.

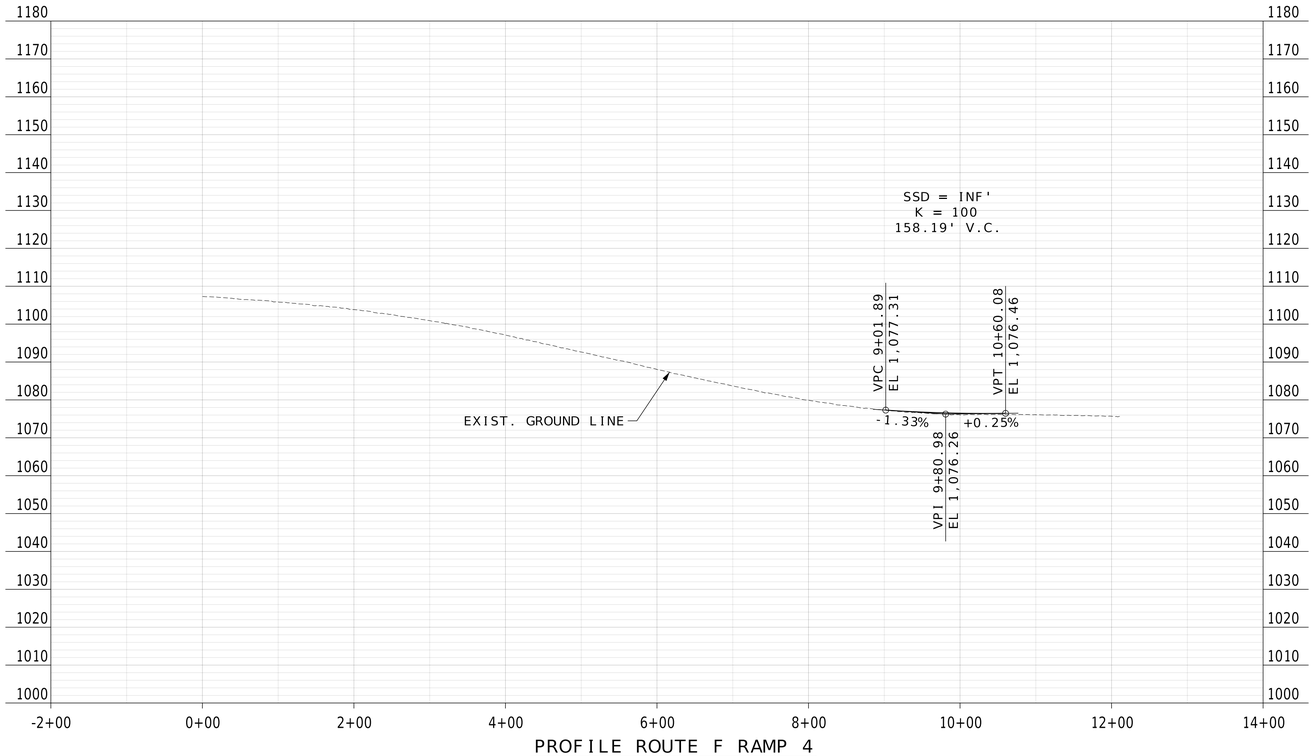
DESCRIPTION | DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING



PROFILE ROUTE F RAMP 2



PROFILE ROUTE F RAMP 4

SEE WARPING DETAILS FOR ADDITIONAL INFORMATION.

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:33 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	20

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

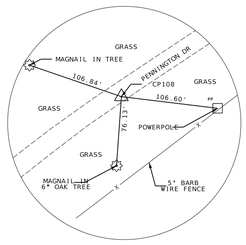
BRIDGE NO.

DESCRIPTION	DATE

RAMP
PROFILE SHEET
1 OF 1

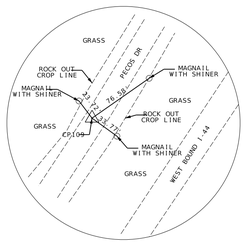
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING



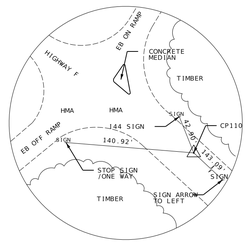
N.T.S.

CONTROL POINT #108
(MAG NAIL AT TIP OF CHEVRON)
N=2219453.329
E=2356981.054
EL=1118.670
STA: 1224+91.35
OFF: 277.89 (RT)



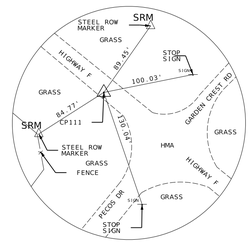
N.T.S.

CONTROL POINT #109
(MAG NAIL AT TIP OF CHEVRON)
N=2220437.151
E=2357135.343
EL=1121.565
STA: 1233+93.88
OFF: 143.01 (LT)



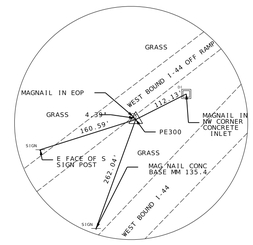
N.T.S.

CONTROL POINT #110
(MAG NAIL AT TIP OF CHEVRON)
N=2221413.020
E=2358475.480
EL=1107.227
STA: 1249+88.63
OFF: 389.50 (RT)



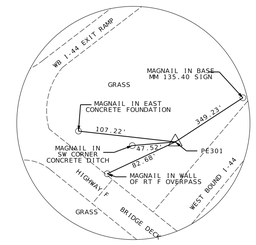
N.T.S.

CONTROL POINT #111
(MAG NAIL AT TIP OF CHEVRON)
N=2222040.318
E=2357677.174
EL=1105.246
STA: 1249+71.09
OFF: 625.63 (LT)



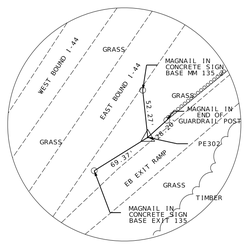
N.T.S.

CONTROL POINT PE300
(5/8 REBAR WITH ORANGE CAP)
N=2222241.911'
E=2358542.399'
EL=1085.246'
STA: 1256+65.15
OFF: 109.76 (LT)



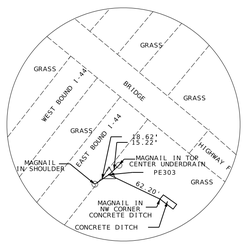
N.T.S.

CONTROL POINT PE301
(MAGNAIL WITH SHINER IN ROCK OUTCROP)
N=2221773.824'
E=2358157.170'
EL=1089.360'
STA: 1250+66.10
OFF: 85.59 (LT)



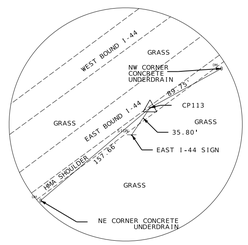
N.T.S.

CONTROL POINT PE302
(5/8 REBAR WITH ORANGE CAP)
N=2221068.940'
E=2357845.736'
EL=1093.461'
STA: 1243+15.89
OFF: 93.15 (RT)



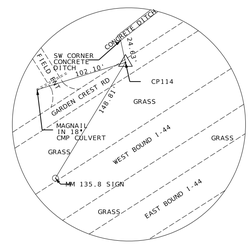
N.T.S.

CONTROL POINT PE303
(5/8 REBAR WITH ORANGE CAP)
N=2221539.027'
E=2358154.395'
EL=1086.961'
STA: 1248+82.47
OFF: 60.42 (RT)



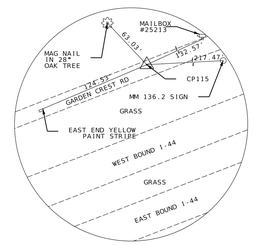
N.T.S.

CONTROL POINT #113
(MAG NAIL AT TIP OF CHEVRON)
N=2223106.976
E=2359771.064
EL=1066.229
STA: 1271+56.00
OFF: 51.62 (RT)



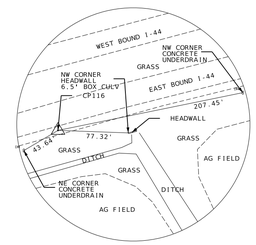
N.T.S.

CONTROL POINT #114
(MAG NAIL AT TIP OF CHEVRON)
N=2223550.414
E=2360112.559
EL=1068.351
STA: 1276+86.71
OFF: 120.06 (LT)



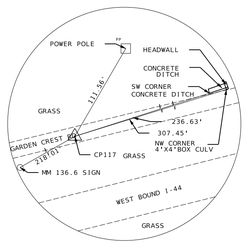
N.T.S.

CONTROL POINT #115
(MAG NAIL AT TIP OF CHEVRON)
N=2224352.804
E=2361692.327
EL=1056.337
STA: 1294+37.20
OFF: 119.81 (LT)



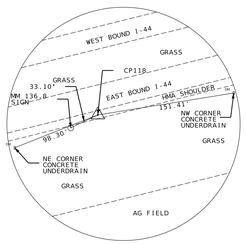
N.T.S.

CONTROL POINT #116
(MAG NAIL AT TIP OF CHEVRON)
N=2224458.935
E=2362559.657
EL=1047.156
STA: 1302+91.09
OFF: 51.16 (RT)



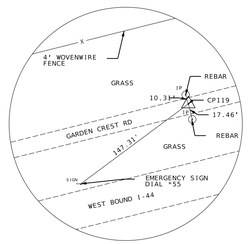
N.T.S.

CONTROL POINT #117
(MAG NAIL AT TIP OF CHEVRON)
N=2225030.468
E=2364140.516
EL=1039.498
STA: 1319+64.74
OFF: 115.61 (LT)



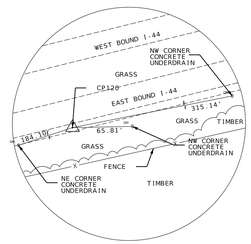
N.T.S.

CONTROL POINT #118
(MAG NAIL AT TIP OF CHEVRON)
N=2225084.703
E=2365038.119
EL=1036.606
STA: 1328+48.49
OFF: 50.59 (RT)



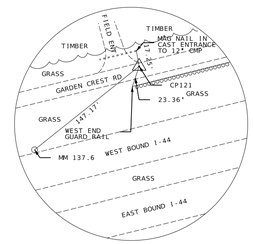
N.T.S.

CONTROL POINT #119
(MAG NAIL AT TIP OF CHEVRON)
N=2225666.997
E=2366660.300
EL=1029.555
STA: 1345+63.68
OFF: 118.70 (LT)



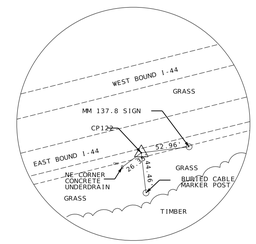
N.T.S.

CONTROL POINT #120
(MAG NAIL AT TIP OF CHEVRON)
N=2225715.398
E=2367546.625
EL=1030.526
STA: 1354+35.07
OFF: 50.41 (RT)



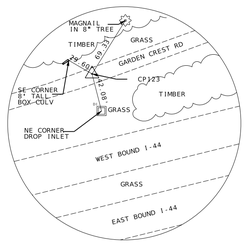
N.T.S.

CONTROL POINT #121
(MAG NAIL AT TIP OF CHEVRON)
N=2226306.632
E=2369203.735
EL=1049.294
STA: 1371+86.31
OFF: 119.08 (LT)



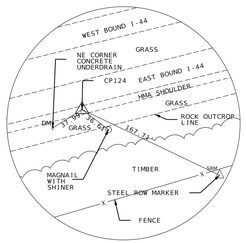
N.T.S.

CONTROL POINT #122
(MAG NAIL AT TIP OF CHEVRON)
N=2226352.968
E=2370084.167
EL=1042.973
STA: 1380+51.98
OFF: 50.64 (RT)



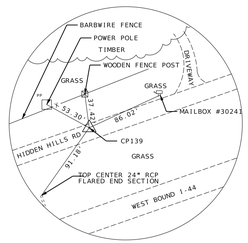
N.T.S.

CONTROL POINT #123
(MAG NAIL AT TIP OF CHEVRON)
N=2226952.528
E=2371737.775
EL=1027.647
STA: 1398+01.36
OFF: 127.74 (LT)



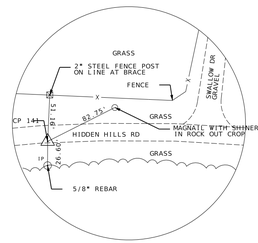
N.T.S.

CONTROL POINT #124
(MAG NAIL AT TIP OF CHEVRON)
N=2226996.792
E=2372642.712
EL=1023.445
STA: 1406+89.79
OFF: 49.92 (RT)



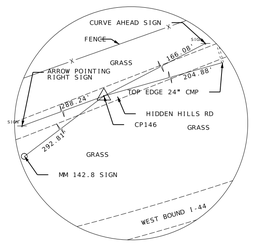
N.T.S.

CONTROL POINT #139
(MAG NAIL AT TIP OF CHEVRON)
N=2226081.547
E=2388534.413
EL=1097.366
STA: 1574+23.96
OFF: 130.24 (LT)



N.T.S.

CONTROL POINT #141
(MAG NAIL AT TIP OF CHEVRON)
N=2226981.962
E=2391285.910
EL=1042.812
STA: 1602+68.18
OFF: 260.55 (LT)



N.T.S.

CONTROL POINT #146
(MAG NAIL AT TIP OF CHEVRON)
N=2227064.667
E=2395668.213
EL=963.812
STA: 688+00.05
OFF: 177.08 (LT)

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

REFERENCE POINT SHEET
SHEET 1 OF 2

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:33 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	21

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

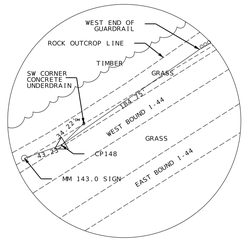
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

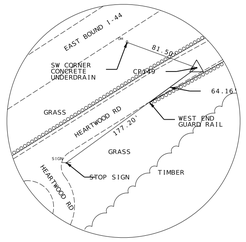
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

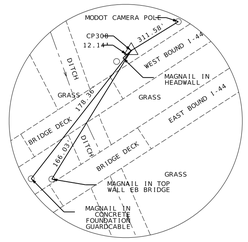
REV.



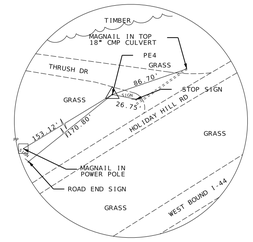
CONTROL POINT #148
(MAG NAIL AT TIP OF CHEVRON)
N=2227293.449
E=2396473.971
EL=914.608
STA: 696+65.07
OFF: 49.63 (LT)



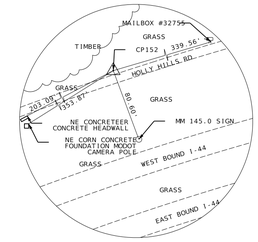
CONTROL POINT #149
(MAG NAIL AT TIP OF CHEVRON)
N=2228153.530
E=2398123.073
EL=879.642
STA: 716+03.33
OFF: 129.65 (RT)



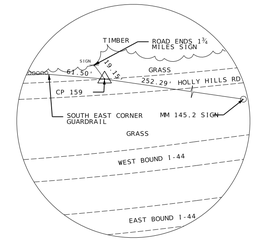
CONTROL POINT CP308
(5/8 REBAR WITH ORANGE CAP)
N=2228618.360'
E=2398497.489'
EL=881.567'
STA: 721+70.75
OFF: 55.52 (LT)



CONTROL POINT PE4
(5/8" REBAR X 30IN W/ CONTROL CAP)
N=2230403.428
E=2401023.078
EL=1002.844
STA: 752+61.26
OFF: 173.00 (LT)



CONTROL POINT #152
(MAG NAIL AT TIP OF CHEVRON)
N=2230745.144
E=2401797.191
EL=1021.873
STA: 760+69.81
OFF: 136.81 (LT)



CONTROL POINT #159
(MAG NAIL AT TIP OF CHEVRON)
N=2230400.106
E=2406823.361
EL=1000.470
STA: 811+23.24
OFF: 123.12 (LT)

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

REFERENCE POINT SHEET
SHEET 2 OF 2

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:34 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	22

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

022_RP_02_JCD0270_I1.dgn 8:21:56 AM 9/19/2026

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE. (Provide LDP MoGDS-I44)

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD83 Central Zone(2011 ADJ)
VERTICAL DATUM	NAVD88 (GNSS DERIVED)
GEOID MODEL	18US
ELEVATIONS DETERMINED BY	GNSS DERIVED
PROJECT PROJECTION FACTOR	1.00002900(Provided)

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MoDOT ST Robert CORS ARP
CORS_ID	MOSR
PID	DL6906
LATITUDE	37° 49' 14.66174"(N)
LONGITUDE	92° 09' 15.38856"(W)
NORTHING (M)	-5,014,334.965
EASTING (M)	-189,639,458
ZONE	MISSOURI CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99989589

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #PE4
N 2230403.43 (GROUND) X 0.999971001
= N 2230338.75 (GRID)
E 2401023.08 (GROUND) X 0.999971001
= E 2400953.45 (GRID)

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
ALIGNMENTS								
1	1025+35.51	I - 44		2,203,047.6703	2,345,615.8800		BEGIN	
3	1241+93.34	I - 44		2,221,020.8033	2,357,700.0865		PC	
4	1274+87.40	I - 44		2,223,754.4388	2,359,538.0419		PI	
5		I - 44		2,216,229.8000	2,364,825.8618		CC	
6	1304+84.12	I - 44		2,224,557.4173	2,362,732.7357		PT	
	1433+34.43	I - 44		2,227,689.8786	2,375,195.4050		PC	
9	1587+98.87	I - 44		2,226,416.0271	2,389,874.3651		PC	
9	1597+39.42	I - 44		2,226,728.8584	2,390,761.3614		PI	
9		I - 44		2,221,024.4700	2,391,775.8922		CC	
9	647+74.38	I - 44		2,226,741.0431	2,391,701.8279		PT	
9	1606+63.26	I - 44		2,226,741.0431	2,391,701.8279		EQNBK	
9	647+74.38	I - 44		2,226,741.0431	2,391,701.8279		EQNAHD	
11	680+31.79	I - 44		2,226,783.2429	2,394,958.9713		PC	
11	688+71.13	I - 44		2,226,794.1164	2,395,798.2288		PI	
11		I - 44		2,229,678.2741	2,394,921.4631		CC	
11	696+65.67	I - 44		2,227,252.1755	2,396,501.5447		PT	
11	697+63.61	I - 44		2,227,305.6277	2,396,583.6167		EQNBK	
11	698+50.61	I - 44		2,227,305.6277	2,396,583.6167		EQNAHD	
13	753+23.95	I - 44		2,230,292.6816	2,401,170.0171		PC	
14	764+26.18	I - 44		2,230,894.2185	2,402,093.6326		PI	
14		I - 44		2,227,863.9985	2,402,751.7821		CC	
14	774+34.90	I - 44		2,230,730.0143	2,403,183.5635		PT	
14	774+30.50	I - 44		2,230,730.0143	2,403,183.5635		EQNBK	
14	774+34.90	I - 44		2,230,730.0143	2,403,183.5635		EQNAHD	
15	803+71.39	I - 44		2,230,292.5517	2,406,087.2889		PC	
15	807+84.98	I - 44		2,230,230.9387	2,406,496.2549		PI	
15		I - 44		2,233,157.1550	2,406,518.8575		CC	
16	811+83.91	I - 44		2,230,286.2269	2,406,906.1238		PT	
16	811+93.00	I - 44		2,230,286.2269	2,406,906.1238		EQNBK	
16	811+83.91	I - 44		2,230,286.2269	2,406,906.1238		EQNAHD	
16	827+42.90	I - 44		2,230,495.9717	2,408,461.0285		PI	
16	827+52.90	I - 44		2,230,495.9717	2,408,461.0285		EQNBK	
16	827+42.90	I - 44		2,230,495.9717	2,408,461.0285		EQNAHD	
16	830+95.70	I - 44		2,230,543.1345	2,408,810.6619		END	
	835+00.00	I - 44		2,230,597.2000	2,409,211.3330		END	
2	0+00.00	ROUTE F_RAMP 2		2,220,746.8718	2,357,583.3898		PC	
3	2+09.01	ROUTE F_RAMP 2		2,220,920.3199	2,357,700.0073		PI	
3		ROUTE F_RAMP 2		2,219,947.4878	2,358,772.3330		CC	
3	4+15.09	ROUTE F_RAMP 2		2,221,053.2228	2,357,861.3166		PT	
3	10+80.61	ROUTE F_RAMP 2		2,221,476.4146	2,358,374.9604		END	
3	0+00.00	ROUTE F_RAMP 4		2,221,476.3715	2,358,374.9895		BEGIN	
3	9+44.13	ROUTE F_RAMP 4		2,222,284.7438	2,358,862.7623		PC	
3	10+79.42	ROUTE F_RAMP 4		2,222,400.5804	2,358,932.6583		PI	
3		ROUTE F_RAMP 4		2,221,791.1502	2,359,680.7810		CC	
4	12+12.93	ROUTE F_RAMP 4		2,222,492.4566	2,359,031.9678		PT	

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

COORDINATE POINT SHEET
SHEET 1 OF 1

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:34 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	23

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

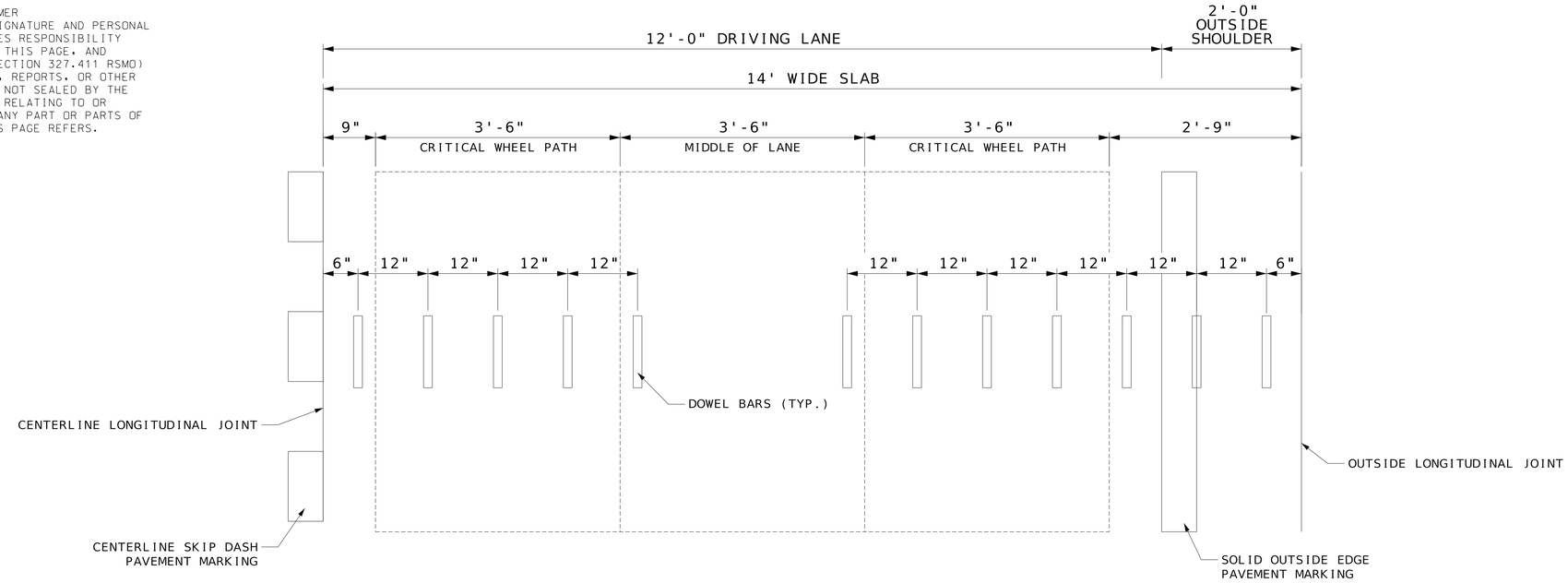
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

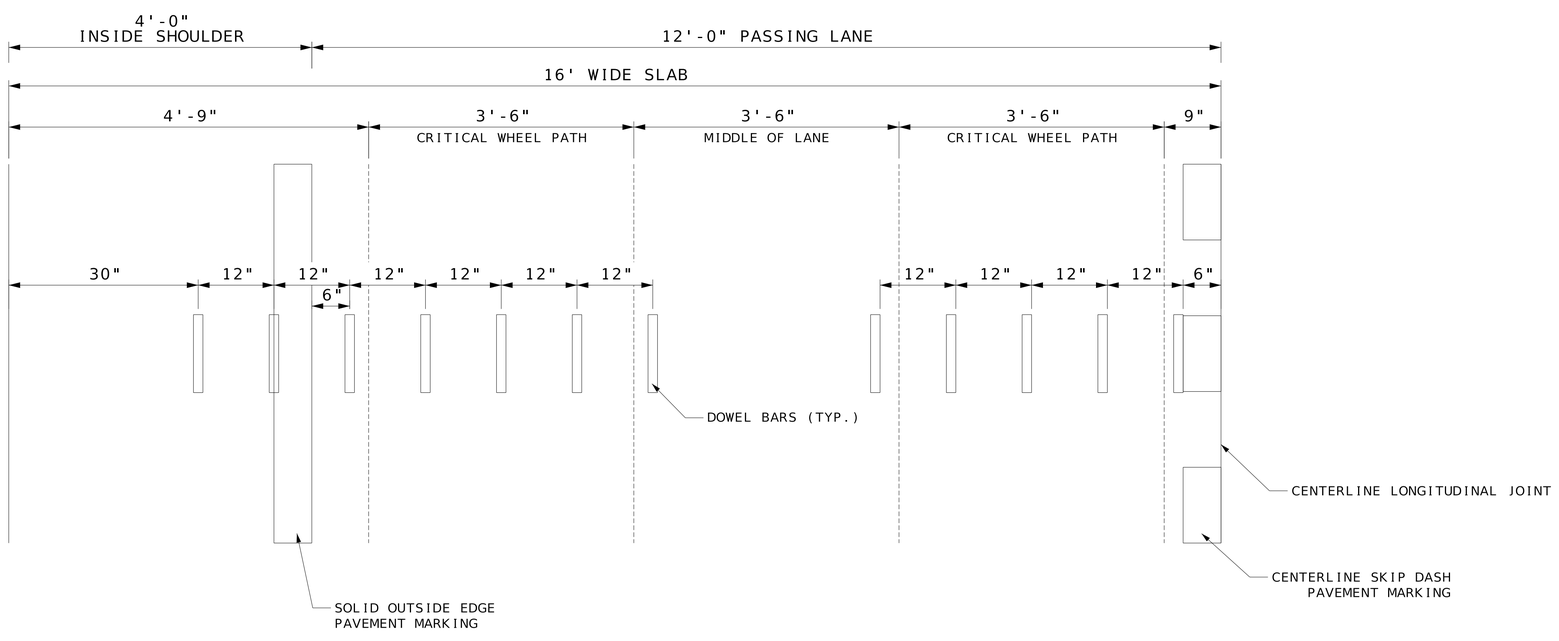
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



CONCRETE PAVEMENT DOWEL BAR SPACING DETAIL
WB DRIVING LANE



CONCRETE PAVEMENT DOWEL BAR SPACING DETAIL
WB PASSING LANE

SPECIAL SHEET
1 OF 5

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:34 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	24

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

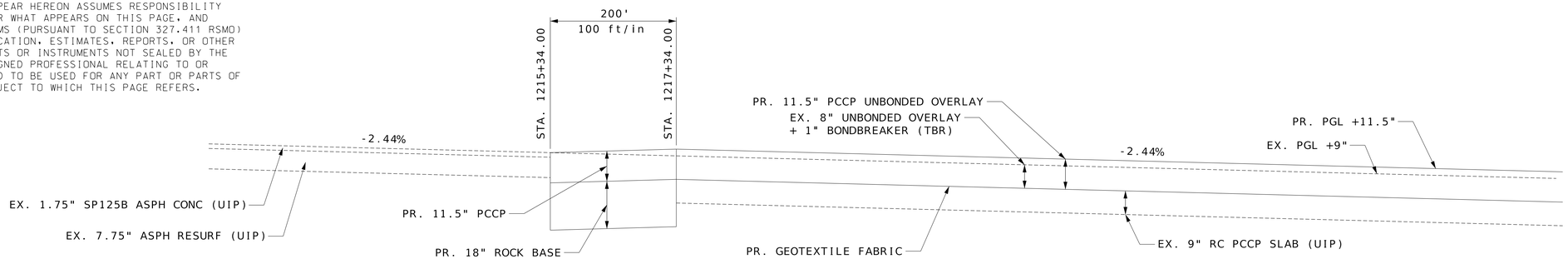
DESCRIPTION	DATE

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

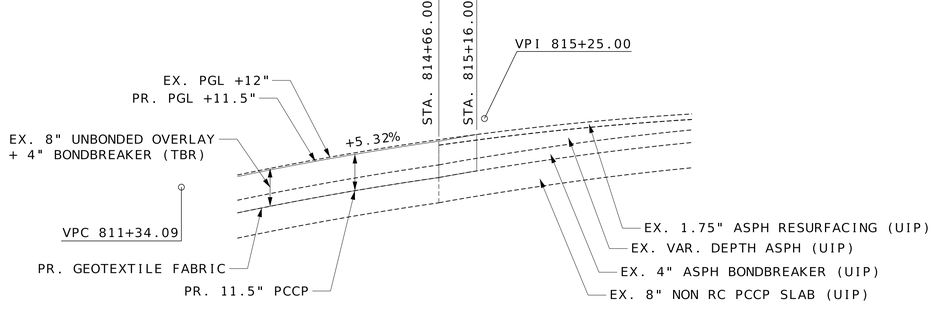
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

024_SS_01_JCD0270_I1.dgn 8:23:59 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



PAVEMENT TRANSITION
I-44 EB BEGINNING OF PROJECT



PAVEMENT TRANSITION
I-44 EB ENDING OF PROJECT

SPECIAL SHEET
2 OF 5

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:34 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	25

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

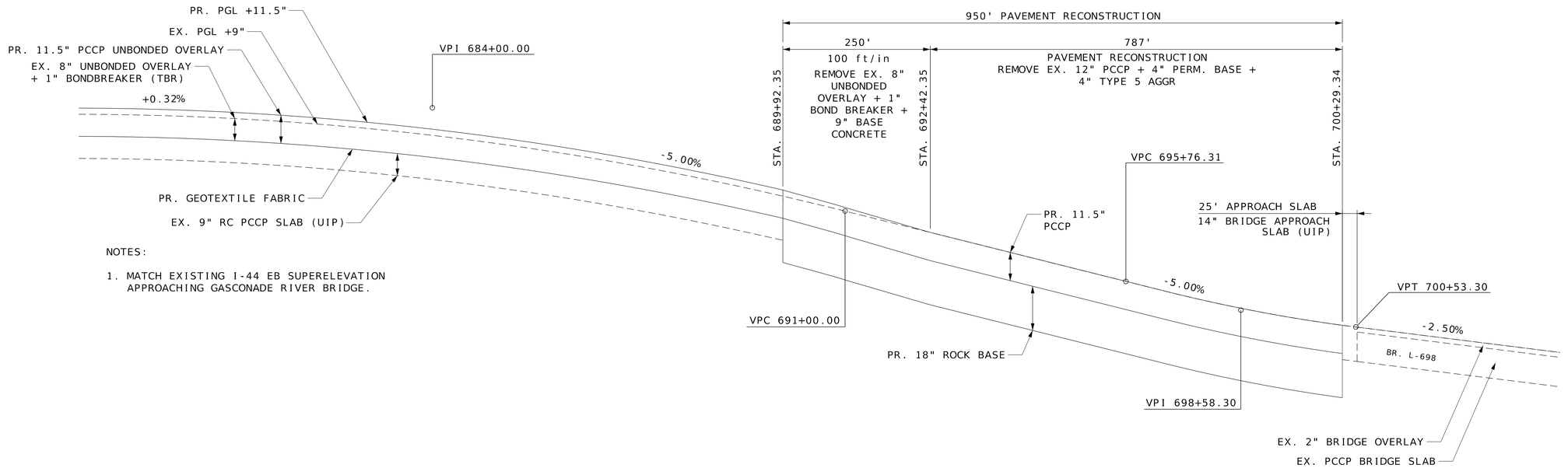
DESCRIPTION	DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

025_SS_02_JCD0270_I1.dgn 8:24:55 AM 9/19/2026

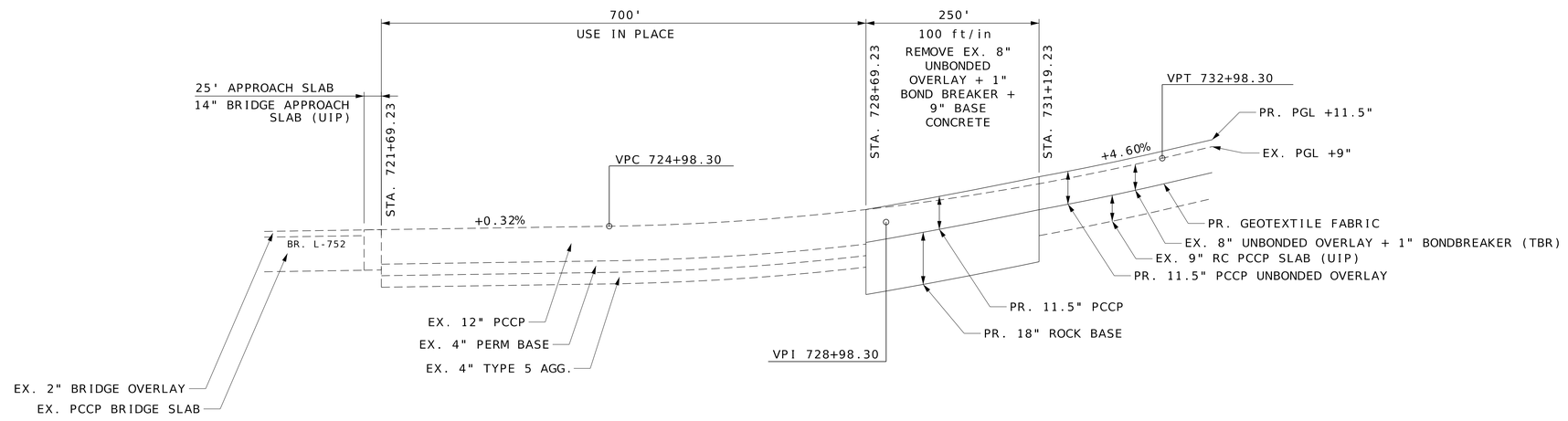
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



NOTES:

1. MATCH EXISTING I-44 EB SUPERELEVATION APPROACHING GASCONADE RIVER BRIDGE.

PAVEMENT TRANSITION
I-44 EB APPROACHING GASCONADE RIVER BRIDGE



PAVEMENT TRANSITION
I-44 EB DEPARTING GASCONADE RIVER OVERFLOW BRIDGE

SPECIAL SHEET
3 OF 5

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:35 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	26

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

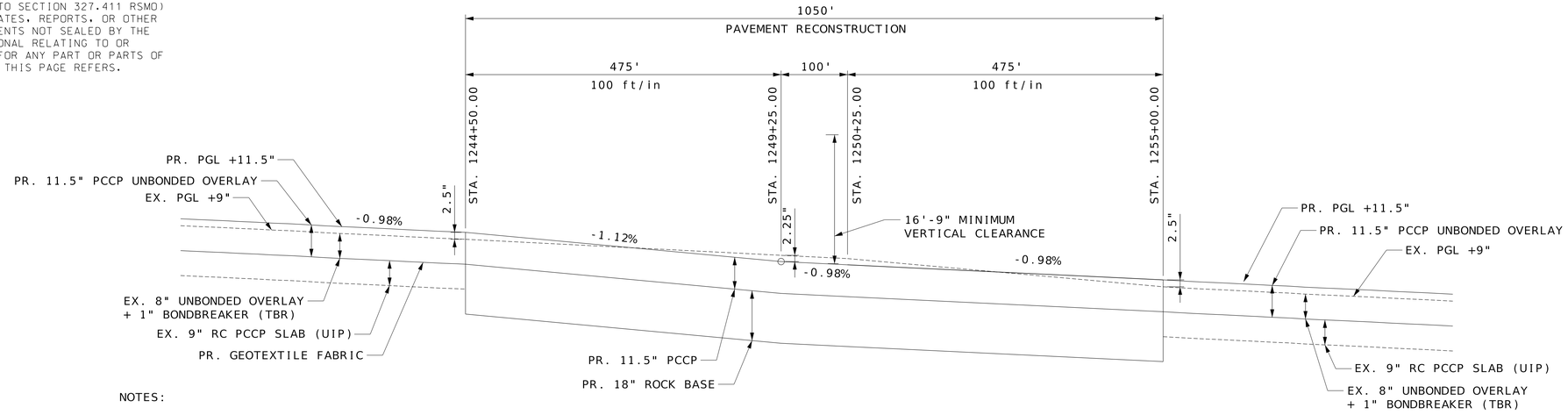
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

026_SS_03_JCD0270_I1.dgn 9:39:59 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



NOTES:

1. MATCH EXISTING I-44 EB SUPERELEVATION THROUGHOUT 1050' PAVEMENT RECONSRUCTION.

PAVEMENT TRANSITION
I-44 EB UNDERNEATH ROUTE F BRIDGE (VERTICAL CLEARANCE)

SPECIAL SHEET
4 OF 5

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:35 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	27

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

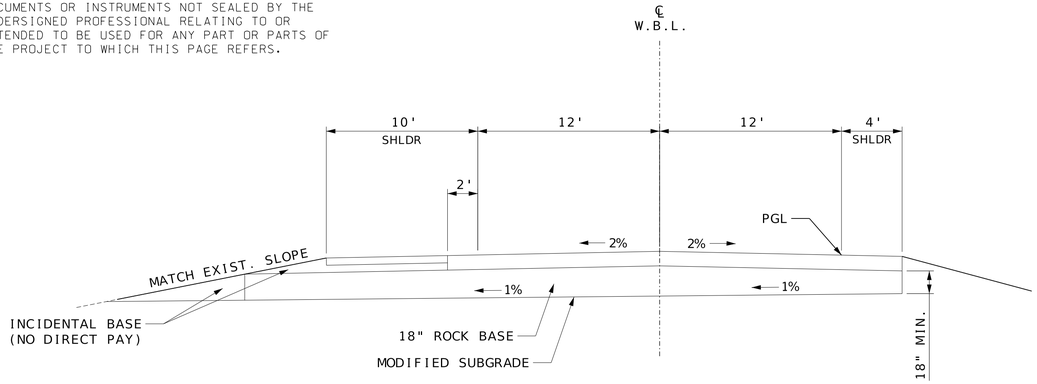
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

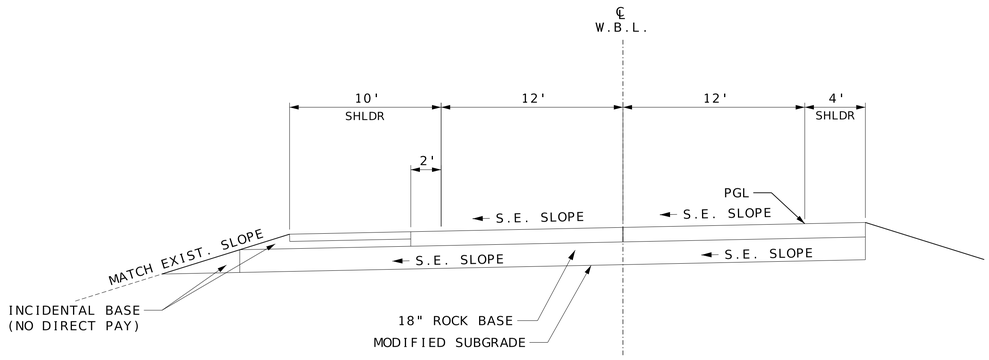
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TANGENT SECTION (DAYLIGHT ROCK BASE TO OUTSIDE FORESLOPE)

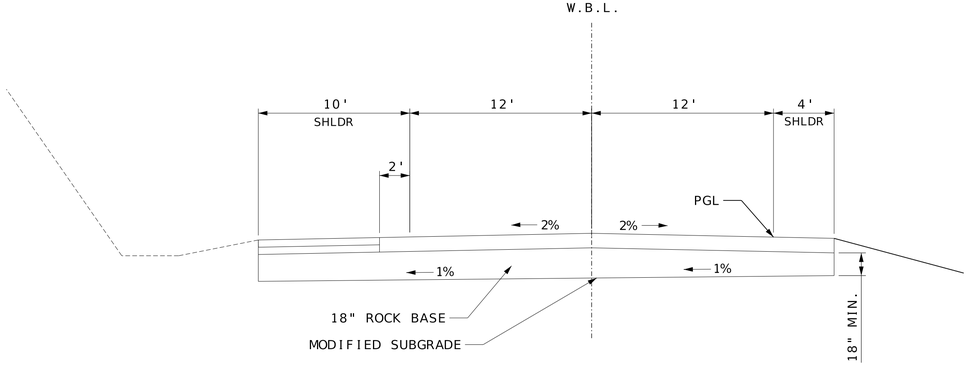
STA. 729+00.00 TO STA. 731+00.00 EB

STA. 659+00.00 TO STA. 666+00.00 WB
STA. 672+00.00 TO STA. 674+00.00 WB
STA. 707+00.00 TO STA. 748+00.00 WB



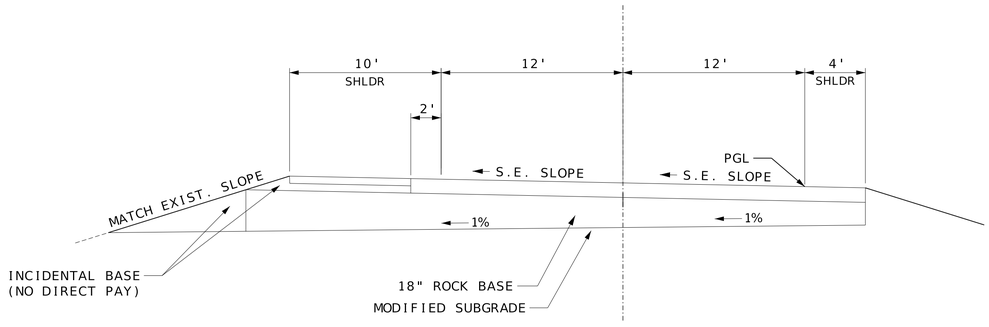
SUPERELEVATED SECTION (DAYLIGHT ROCK BASE IN SUPERELEVATION SECTION)

STA. 693+00.00 TO STA. 694+00.00 EB
STA. 699+00.00 TO STA. 700+00.00 EB



TANGENT SECTION (NO DAYLIGHT ROCK BASE DUE TO CONSTRAINTS)

STA. 648+13.79 TO STA. 659+00.00 WB
STA. 666+00.00 TO STA. 672+00.00 WB
STA. 674+00.00 TO STA. 707+00.00 WB
STA. 748+00.00 TO STA. 770+00.00 WB
STA. 772+00.00 TO STA. 776+00.00 WB
STA. 779+25.00 TO STA. 815+16.00 WB



SUPERELEVATED SECTION (DAYLIGHT ROCK BASE IN SUPERELEVATION SECTION)

STA. 1244+50.00 TO STA. 1249+00.00 EB
STA. 1254+00.00 TO STA. 1255+00.00 EB

STA. 770+00.00 TO STA. 772+00.00 WB
STA. 776+00.00 TO STA. 779+25.00 WB

NOTES:

1. I-44 WB TYPICAL SECTION SHOWN ON THIS DETAIL. THE SAME SCENARIOS WILL APPLY TO EB PAVEMENT REPLACEMENT ROCK BASE TYPICAL SECTIONS.
2. SUPERELEVATED SECTIONS NOT SHOWN FOR SECTIONS WITH NO ROCK BASE DAYLIGHT REQUIREMENTS. SUPERELEVATED SECTION STATIONS ARE INCLUDED IN THE "TANGENT SECTION (NO DAYLIGHT ROCK BASE DUE TO CONSTRAINTS)" TYPICAL SECTION STATION LIST.
3. ADDITIONAL ROCK BASE REQUIRED TO DAYLIGHT IS INCIDENTAL TO 18" ROCK BASE AND NO DIRECT PAYMENT WILL BE MADE.

I-44 ROCK BASE DAYLIGHTING DETAIL

SPECIAL SHEET
5 OF 5

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:35 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	28

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

028_SS_05_JCD0270_I1.dgn 8:27:56 AM 9/19/2026

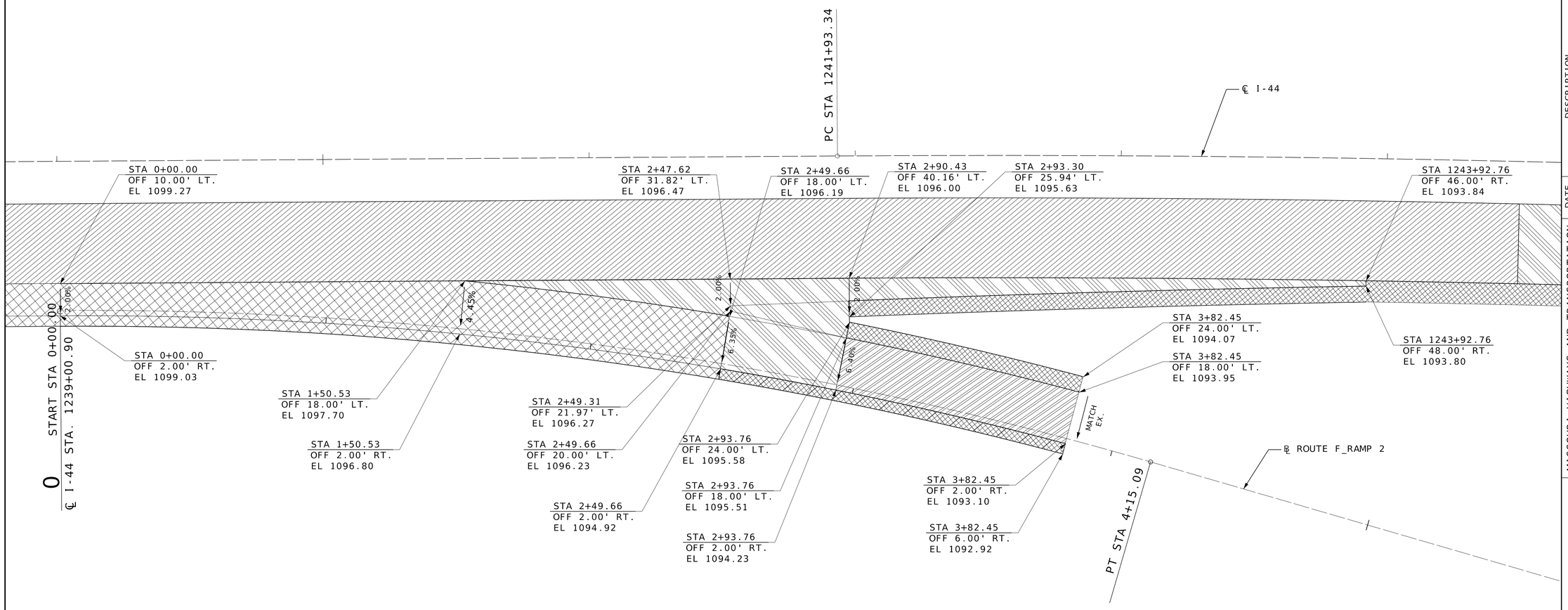
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22
  SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER

SCALE
0 20 40 60

1240



5

WARPING DETAILS
ROUTE F - RAMP 2
1 OF 2

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

10/12/2026 8:45:55 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	29

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

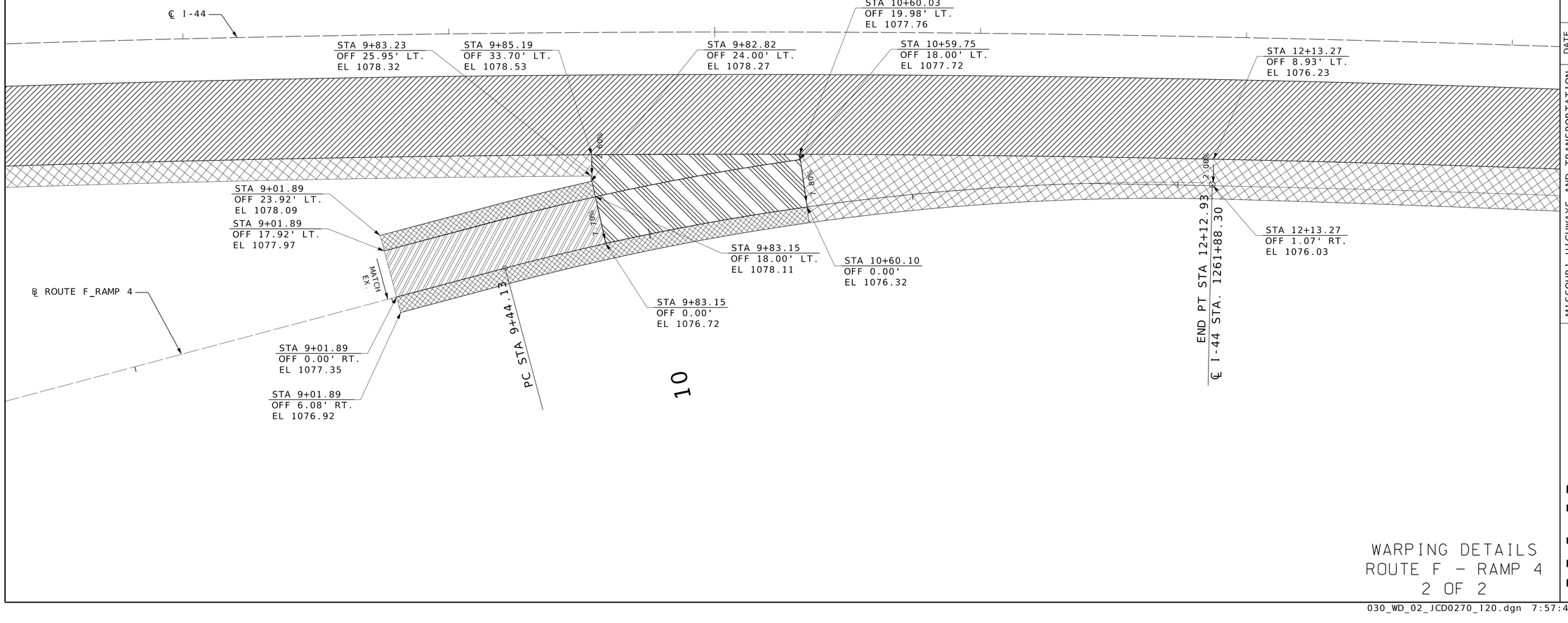
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LEGEND

- 11.5" UNBONDED OVERLAY, PCCP W/GEOTEXTILE FABRIC BONDBREAKER
- LANE - 2.5" SP125BSM W/PG 76-22 SHOULDER - 2.5" BP-1 W/ PG 64-22
- SHOULDER STRENGTHENING
- 11.5" PCCP
- RAMP PAVEMENT
- ALTERNATE PAVEMENT
- A2 SHOULDER

SCALE
0 20 40 60



WARPING DETAILS
ROUTE F - RAMP 4
2 OF 2

030_WD_02_JCD0270_120.dgn 7:57:49 PM 10/12/2026

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

10/12/2026 8:45:58 PM
William G. Krussel
MO PE-27561

DATE PREPARED
10/12/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	30

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

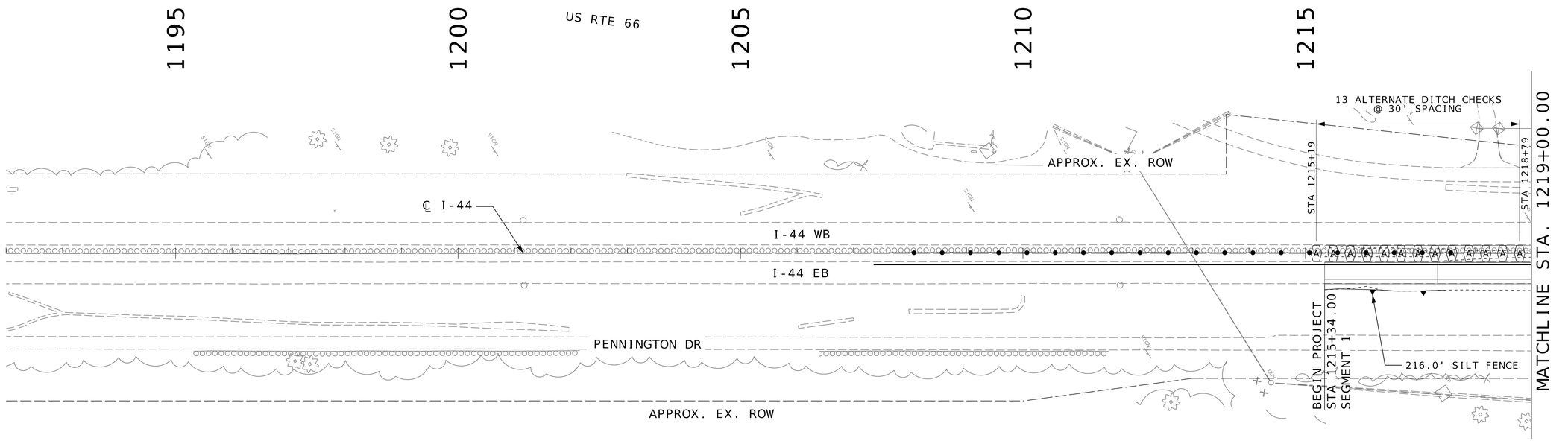
DESCRIPTION	DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SCALE
0 100 200 300 400 500



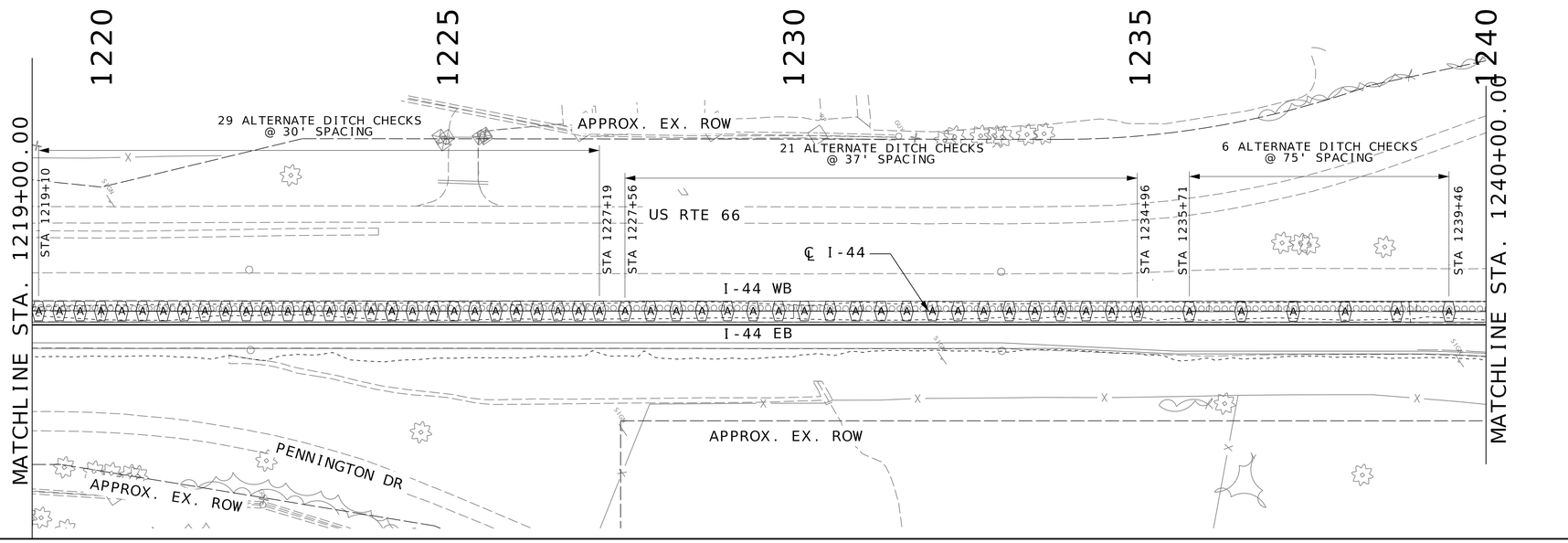
TEMPORARY EROSION CONTROL LEGEND

(A) ALTERNATE DITCH CHECK

(I) MISCELLANEOUS INLET CHECK

SILT FENCE

SCALE
0 100 200 300 400 500



EROSION CONTROL
SHEET
1 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:36 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	31

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

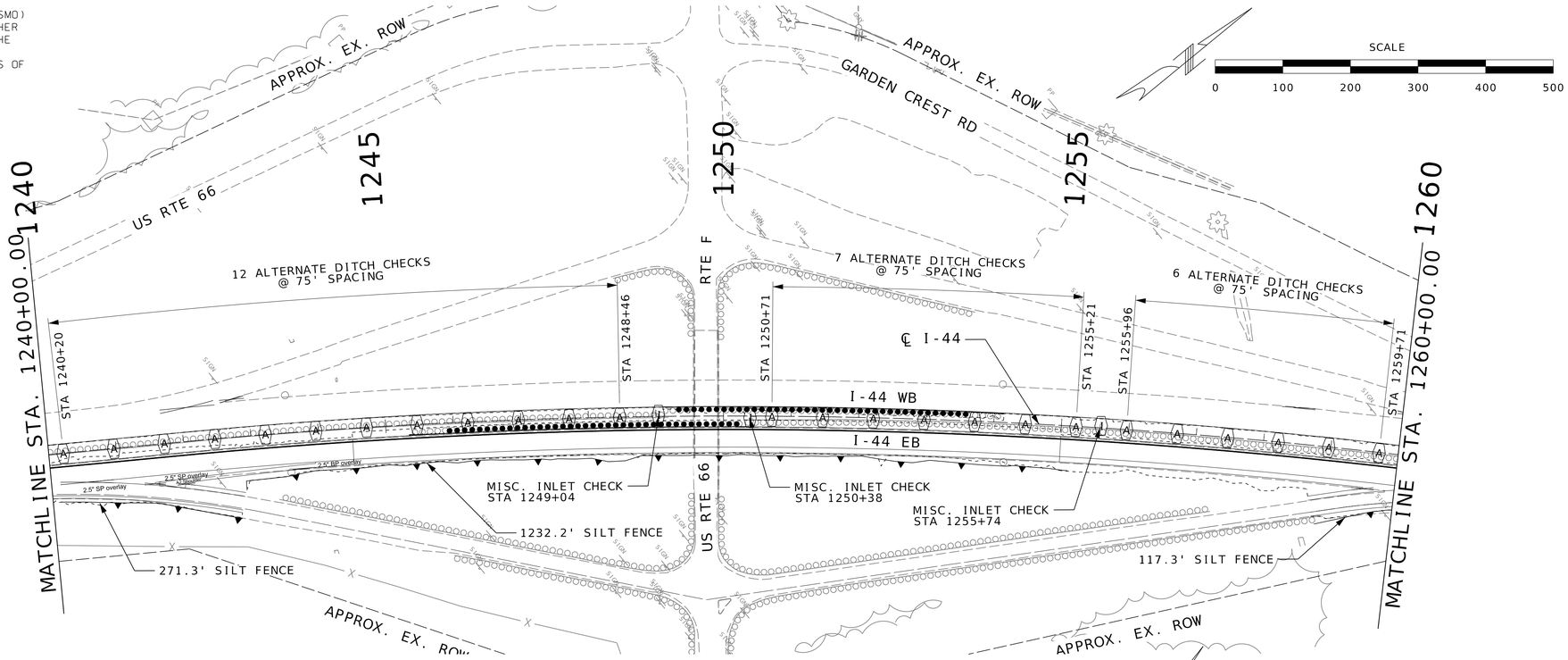
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

031_EC_01_JCD0270_I100.dgn 9:48:37 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE

EROSION CONTROL
SHEET
2 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:37 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	32

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

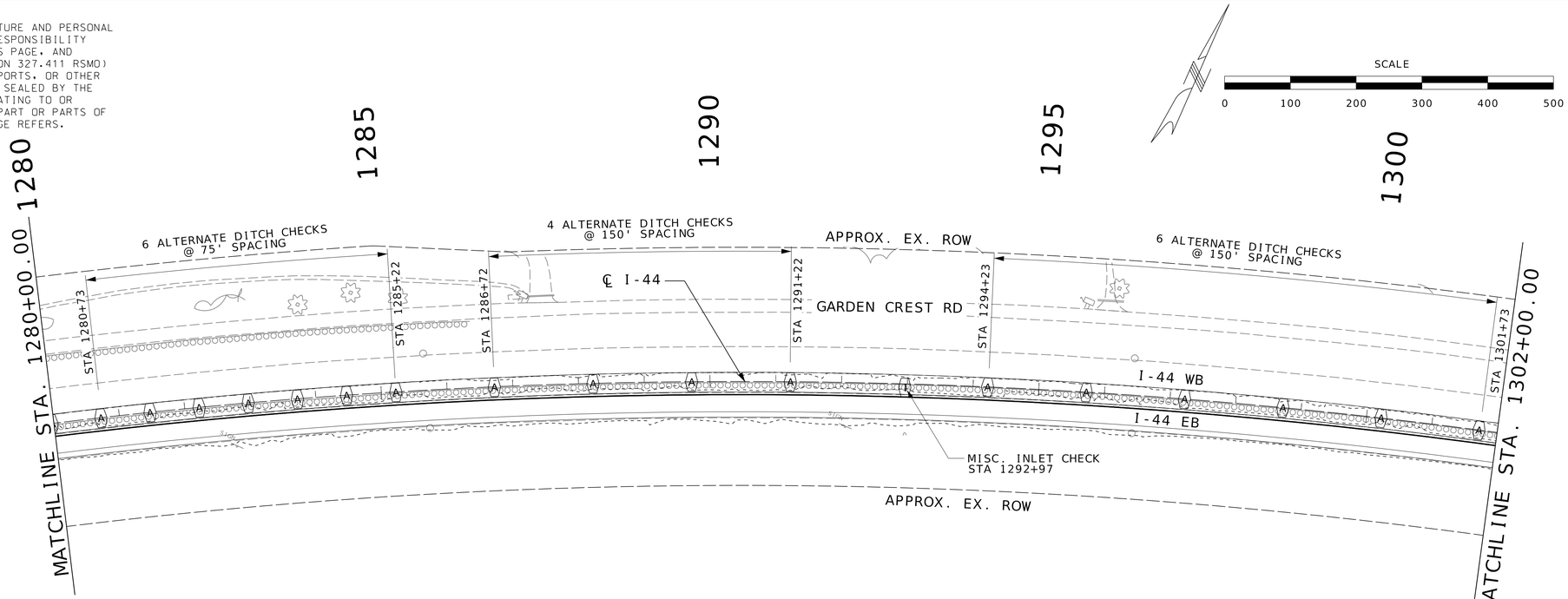
DATE	DESCRIPTION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

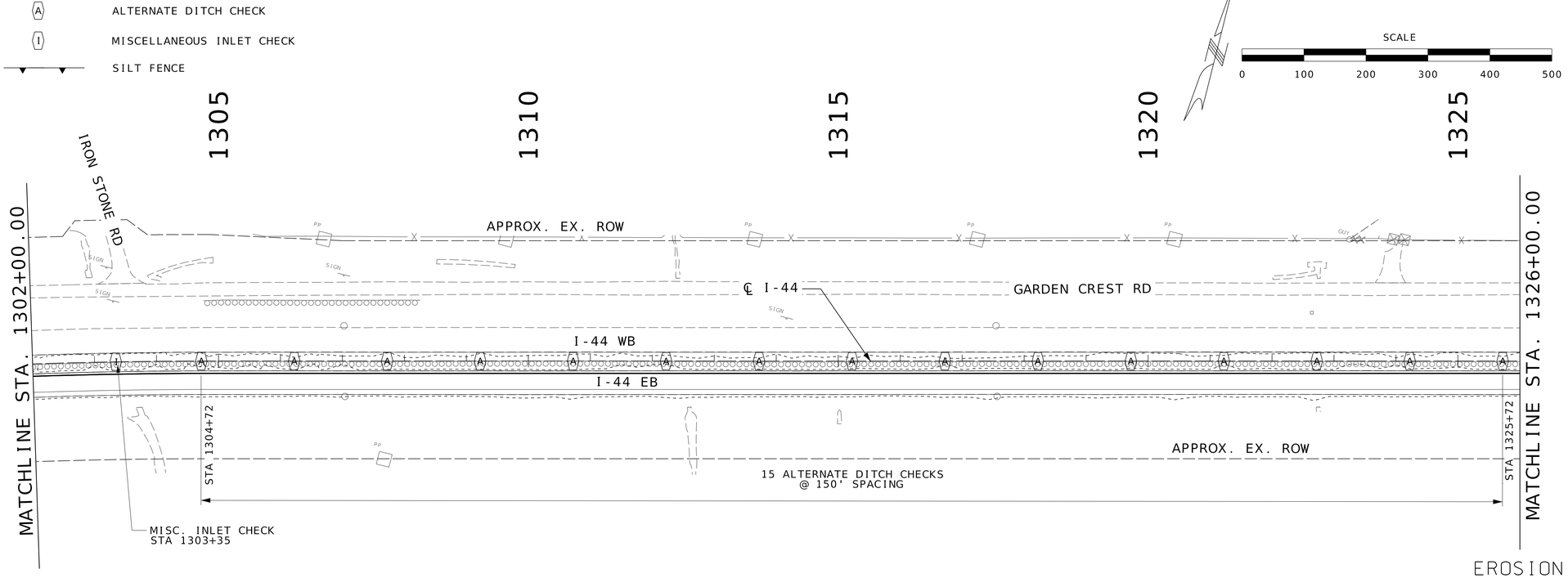
032_EC_02_JCD0270_I100.dgn 10:05:40 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE



EROSION CONTROL
SHEET
3 OF 8

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
WILLIAM G. KRUSSEL
NUMBER E-27561

09/21/2026 8:27:37 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	33

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

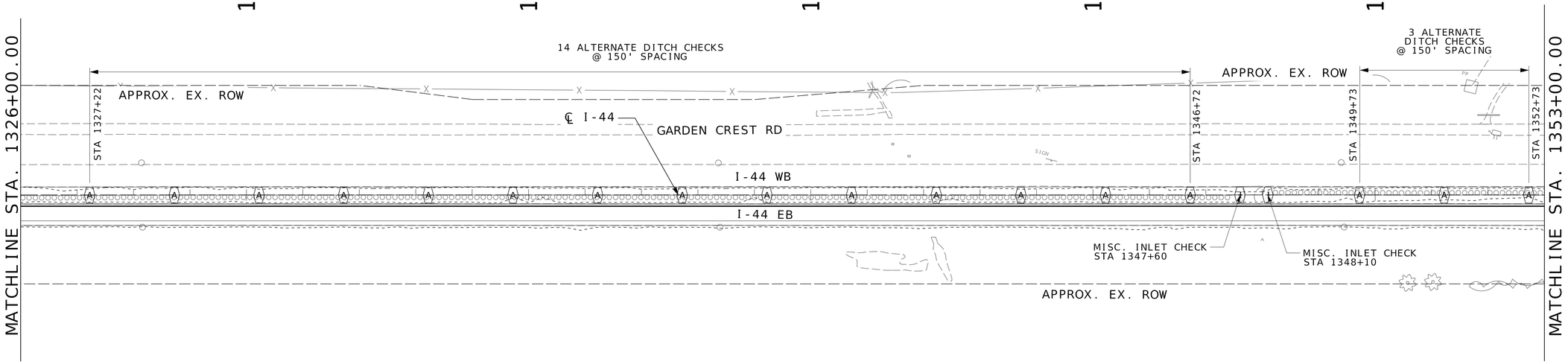
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

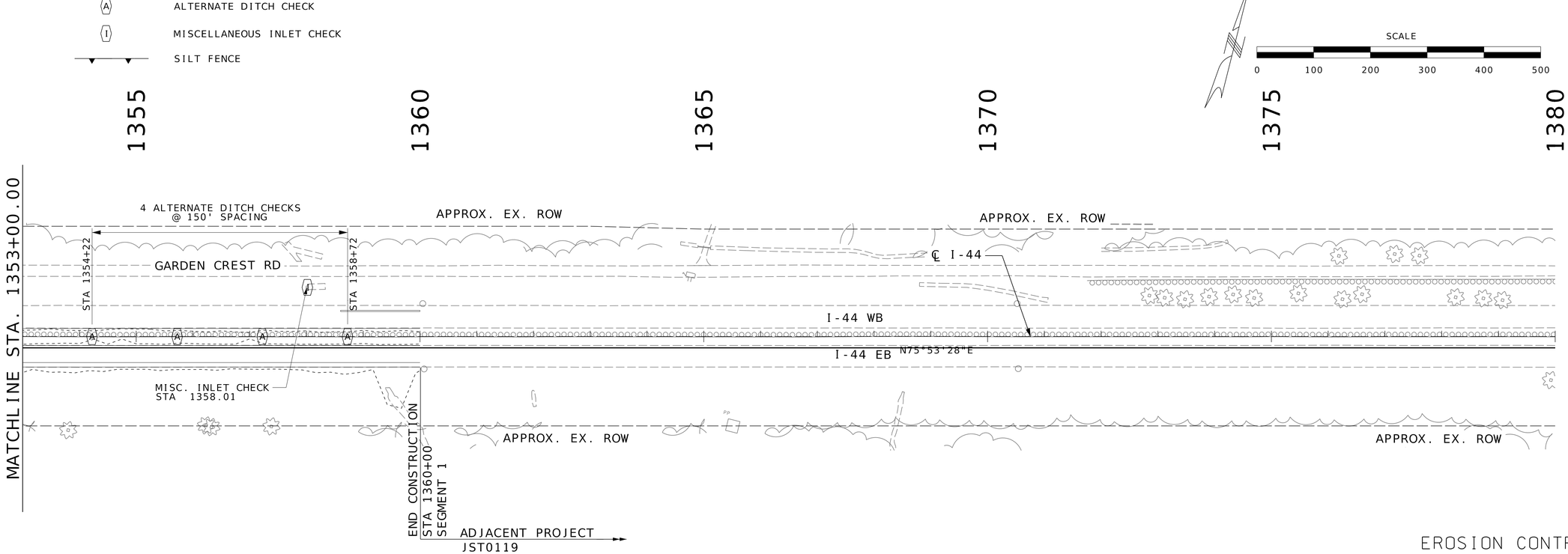
033_EC_03_JCD0270_I100.dgn 10:01:50 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE



EROSION CONTROL
SHEET
4 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:37 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	34

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

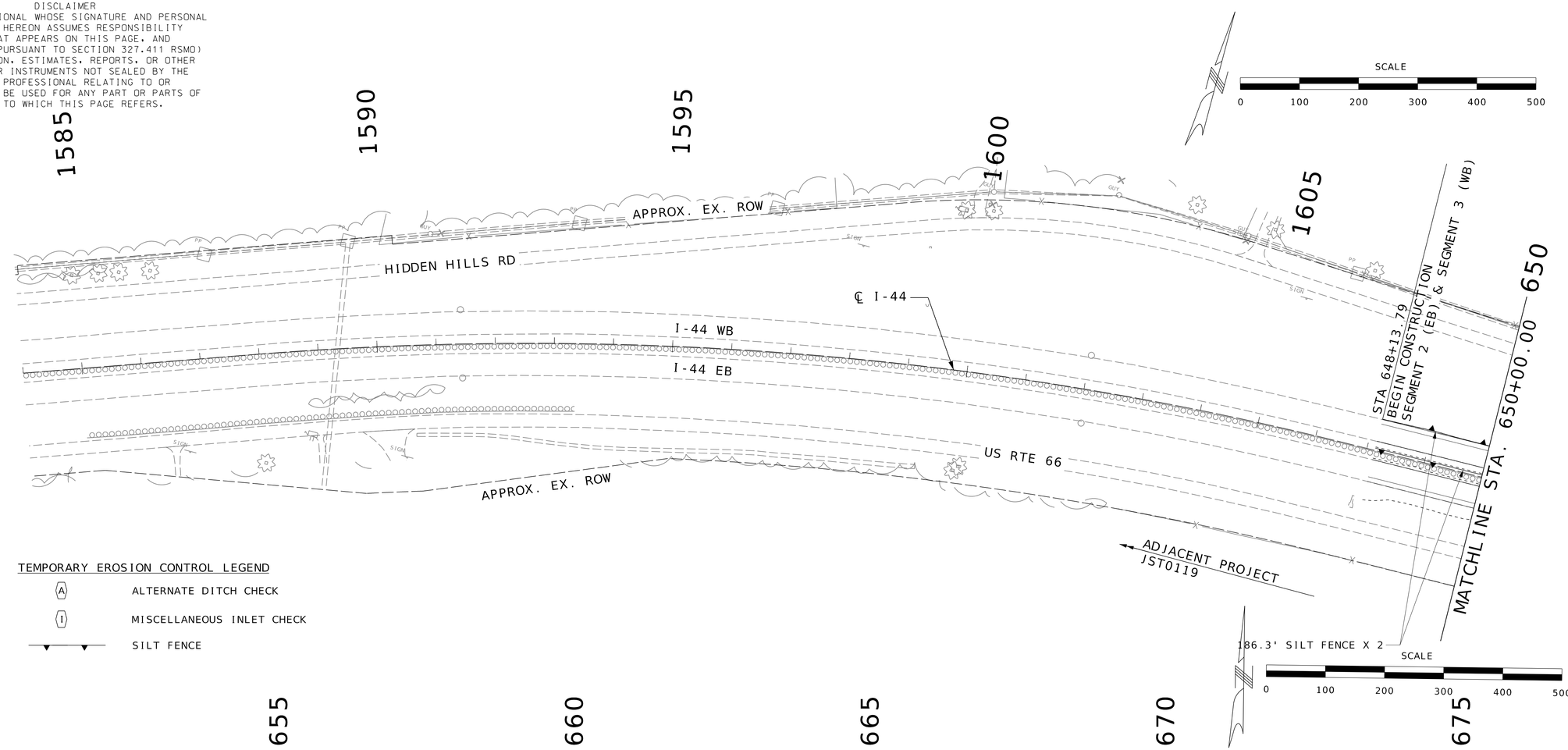
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

034_EC_04_JCD0270_I100.dgn 10:08:28 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE

EROSION CONTROL
SHEET
5 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:38 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	35

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

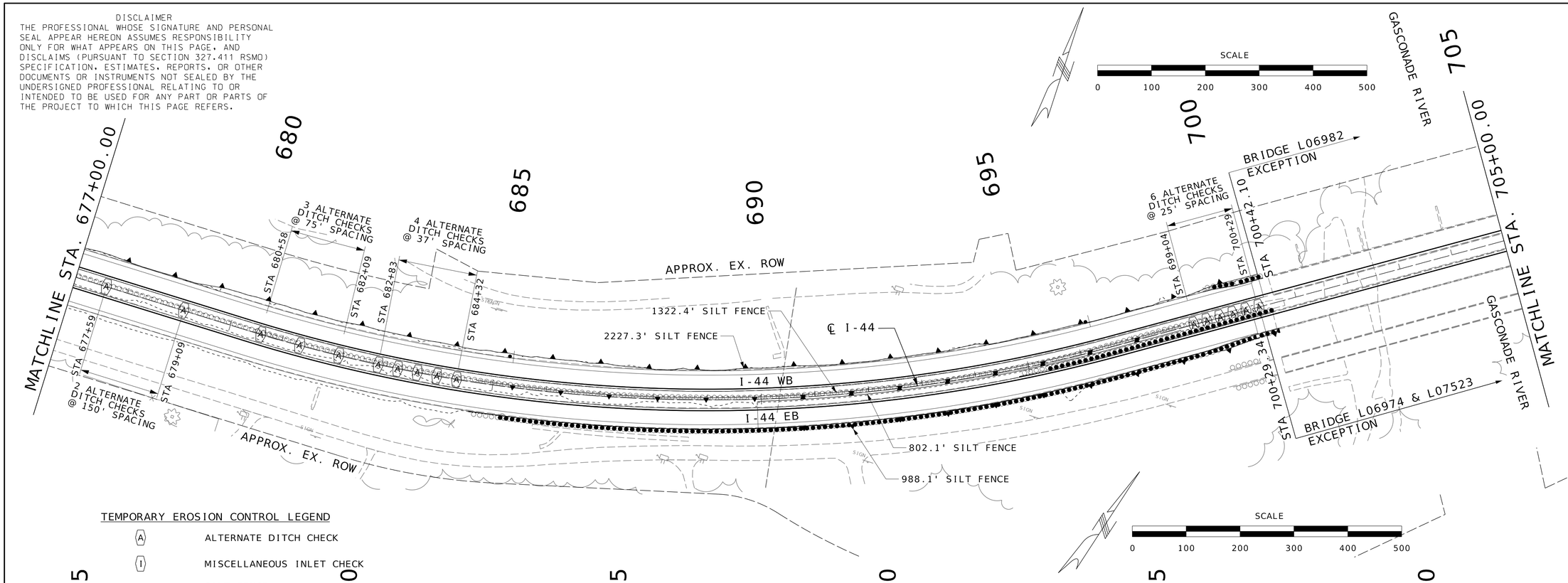
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE

EROSION CONTROL
SHEET
6 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:38 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	36

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

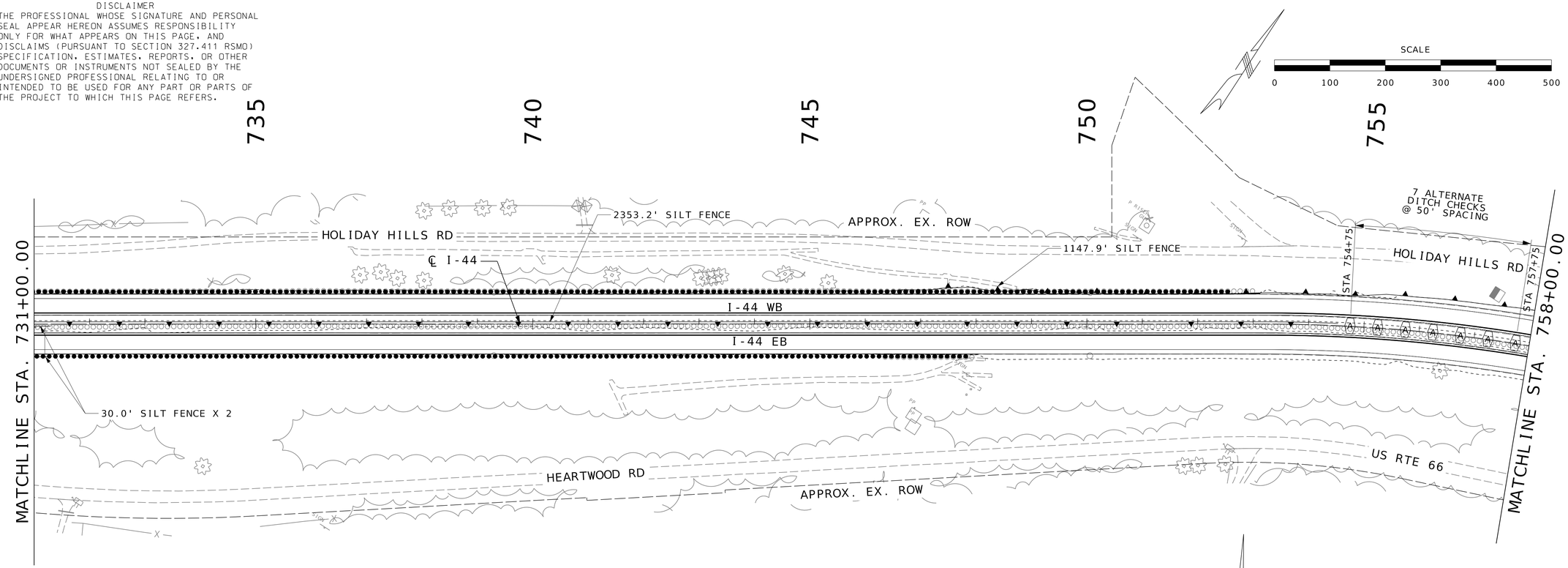
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

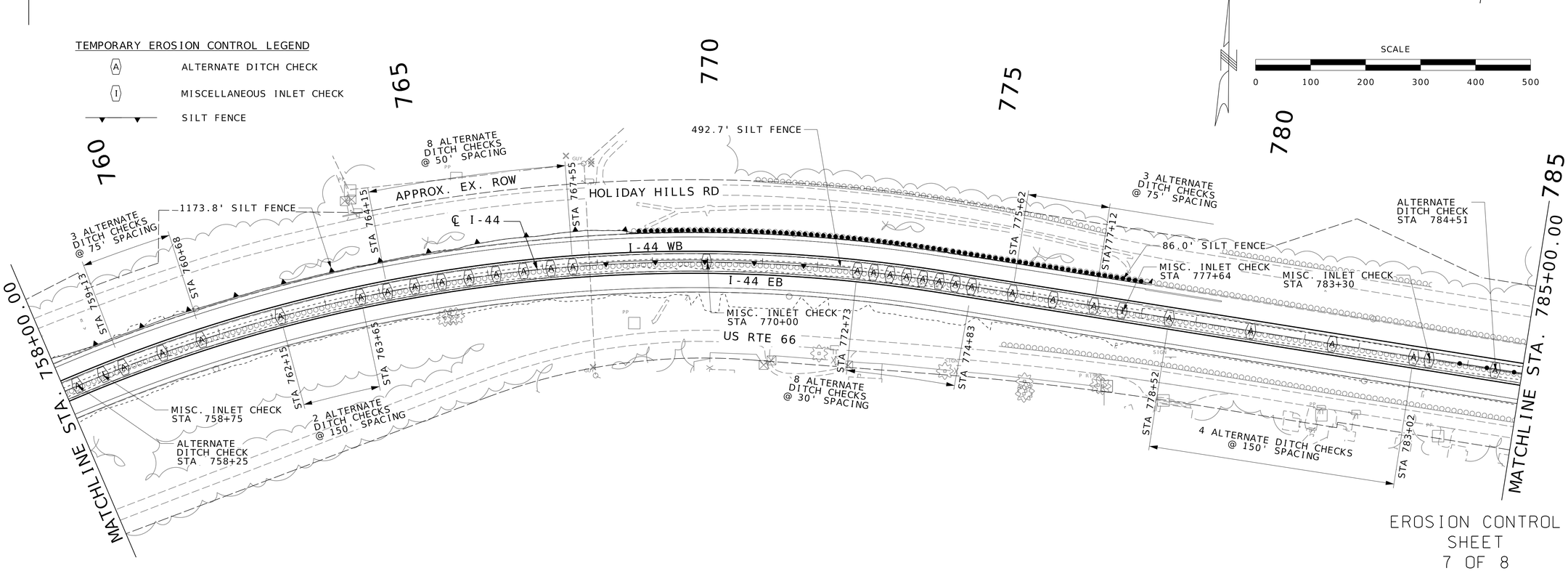
036_EC_06_JCD0270_I100.dgn 10:15:58 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE



EROSION CONTROL
SHEET
7 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:38 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	37

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

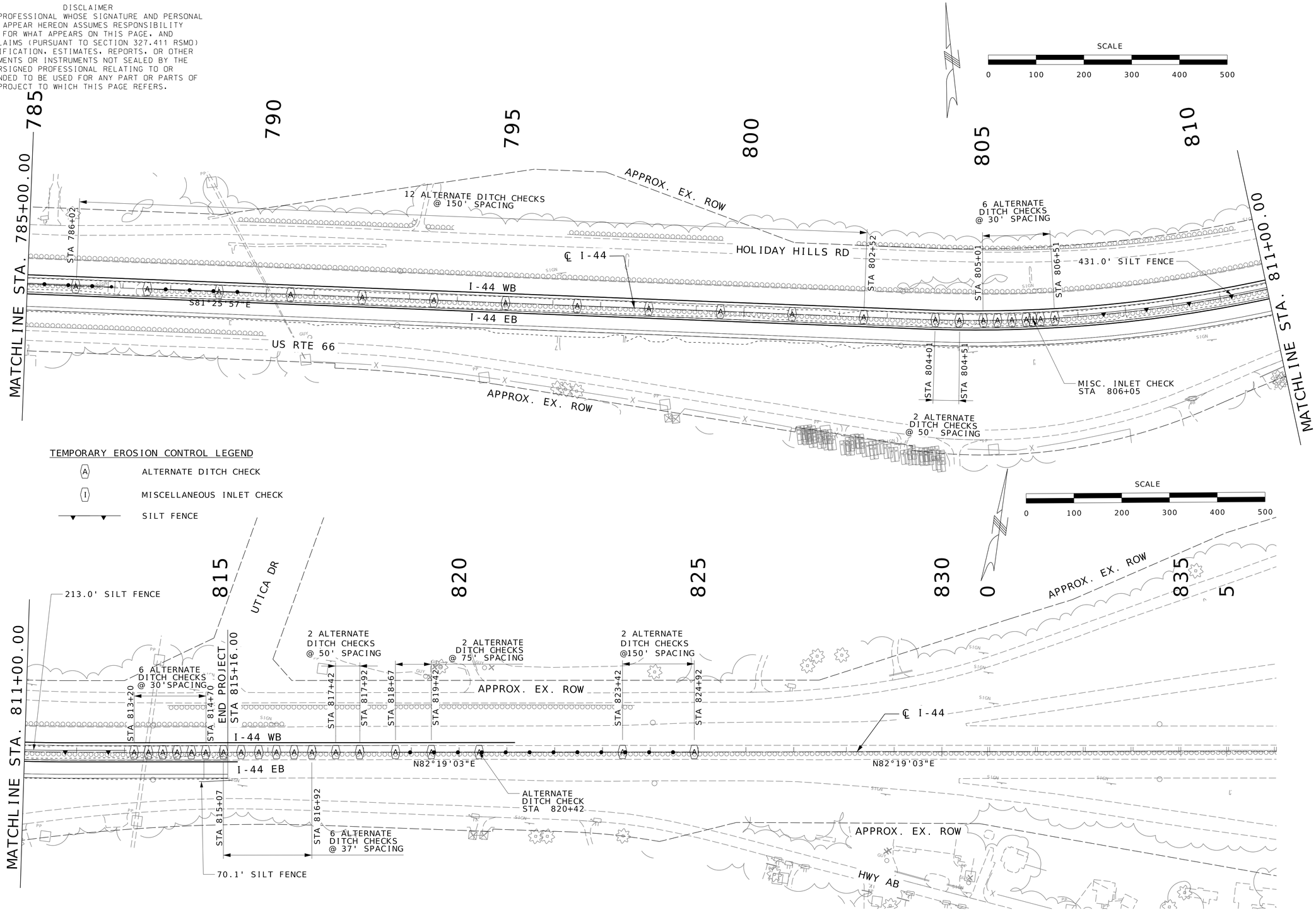
BRIDGE NO.

DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (I) MISCELLANEOUS INLET CHECK
- SILT FENCE

EROSION CONTROL
SHEET
8 OF 8

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:38 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	38

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

038_EC_08_JCD0270_I100.dgn 10:24:01 AM 9/19/2026

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A

SIGN NO.	SIGN SIZE	STATION/ LOG MILE	LOCATION	PLAN DTL SHT NO.	CONCRETE FOOTINGS EMBEDDED (I-BEAM/PIPE) ITEM NO. 9031010 CY	I-BEAM POSTS* POST + STUB DES NO.	NO.1 LF	NO.2 LF	NO.3 LF	LBS PER FT	TOTAL ITEM NO. 9031210 LBS
1	18x60	685+25	WB LT	11							
2	18x60	696+23	WB LT	11							
3	36X36	786+76	MEDIAN	15							
	24X30										
			SUBTOTAL								
			TOTAL								

PIPE POSTS* POST + STUB SIZE IN.	NO.1 LF	NO.2 LF	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	4"SQUARE STEEL POST* BASE ITEM NO. 9031005 EACH	POST ITEM NO. 9031230 LF

PERFORATED SQUARE STEEL TUBE** 2" POST POST NO.1 LF	NO.2 LF	TOTAL ITEM NO. 9031270A LF	ANCHORS DRIVEN ITEM NO. 9031273A EACH	CONCRETE ITEM NO. 9031274 EACH
13.2		13		1
12.2		12		1
		25		2
		25		2

2.5" POST POST NO.1 LF	NO.2 LF	TOTAL ITEM NO. 9031280 LF	ANCHORS DRIVEN ITEM NO. 9031281A EACH	CONCRETE ITEM NO. 9031285 EACH	BREAK-AWAY ASSEMBLY ITEM NO. 9031241 EACH
16.8		17		1	
		17		1	

U-CHANNEL POST ITEM NO. 9031250A LF	ALUMINUM BACKING BARS COUNT EACH	LENGTH IN.	TOTAL ITEM NO. 9035030 LF	COLUMN MOUNTING C-CHANNEL ITEM NO. 9035031 LF	REMARKS AND OTHER REQUIRED ITEMS

EFFECTIVE: 07-01-2026

*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR I-BEAM, PIPE AND 4" SQUARE STEEL POSTS.

**FOR PSST WITHOUT BREAKAWAY DEVICES, POST LENGTH SHALL INCLUDE AN ADDITIONAL 6" FOR INSERTION INTO ANCHOR; FOR SURFACED MOUNTED PSST ON ISLANDS, NO ANCHOR IS USED, JUST A SURFACE MOUNT BREAKAWAY ASSEMBLY.

I-BEAM POST AND FOOTING DATA TABLE

POST DES. NO.	POST NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

PIPE POST AND FOOTING DATA TABLE

NOM.SIZE IN.	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

STANDARD SIGN ASSEMBLIES

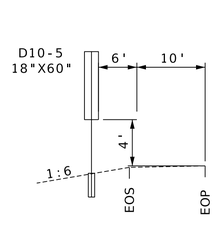
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH SH D10-5 18X60	SH R3-4 36X36	SH R5-29 24X30
1	685+25	WB LT	1		
2	696+23	WB LT	1		
3	786+76	MEDIAN		2	2
		TOTALS	2	2	2

SIGN SUMMARY

EFFECTIVE: 10-01-2016

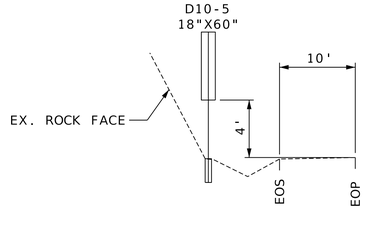
STANDARD OR SPECIAL SIGN DESIGNATION WB LT	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
D10-5		2	18X60	15.0			
R3-4		2	36X36	18.0			
R5-29		2	24X30	10.0			
			TOTALS	43			

*ORANGE, YELLOW AND YELLOW-GREEN



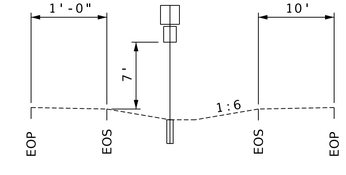
2" PSST 13.0 LF

① STA. 685+25
I-44 WB LT



2" PSST 12.0 LF

② STA. 696+23
I-44 WB LT



2.5" PSST 17.0 LF

③ STA. 786+76
I-44 MEDIAN

SIGNING CROSS SECTIONS

SIGNING SHEET
SHEET 1 OF 1

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:39 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

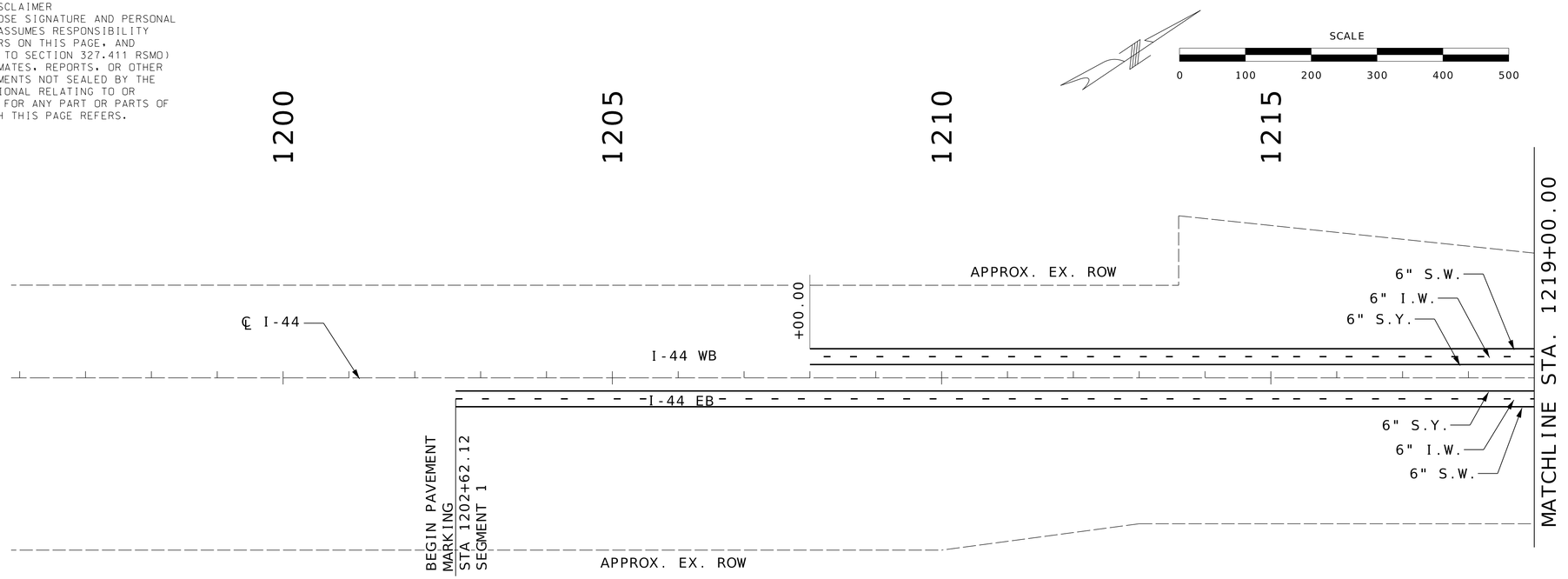
ROUTE I-44 | STATE MO
DISTRICT CD | SHEET NO. 39
COUNTY LACLEDE
JOB NO. JCD0270
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

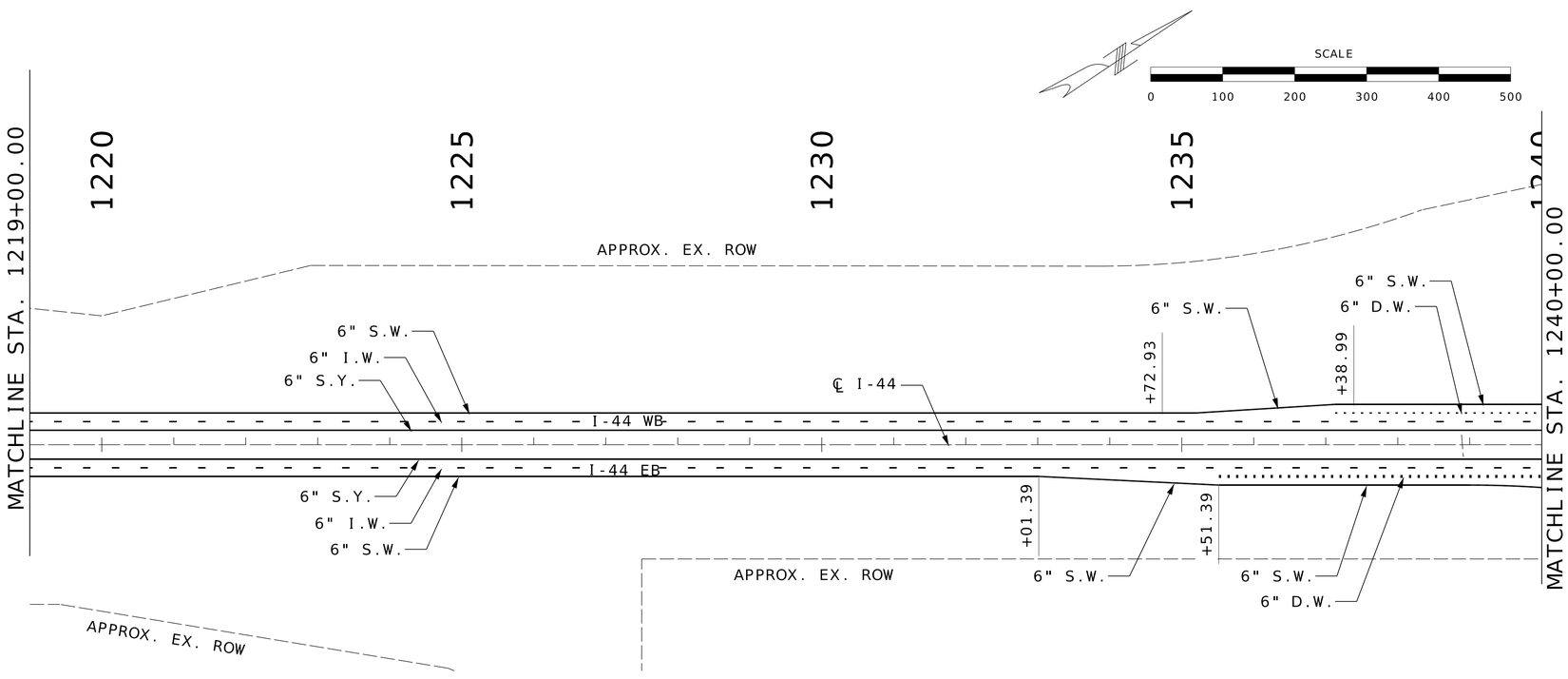
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
1 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:39 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	40

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

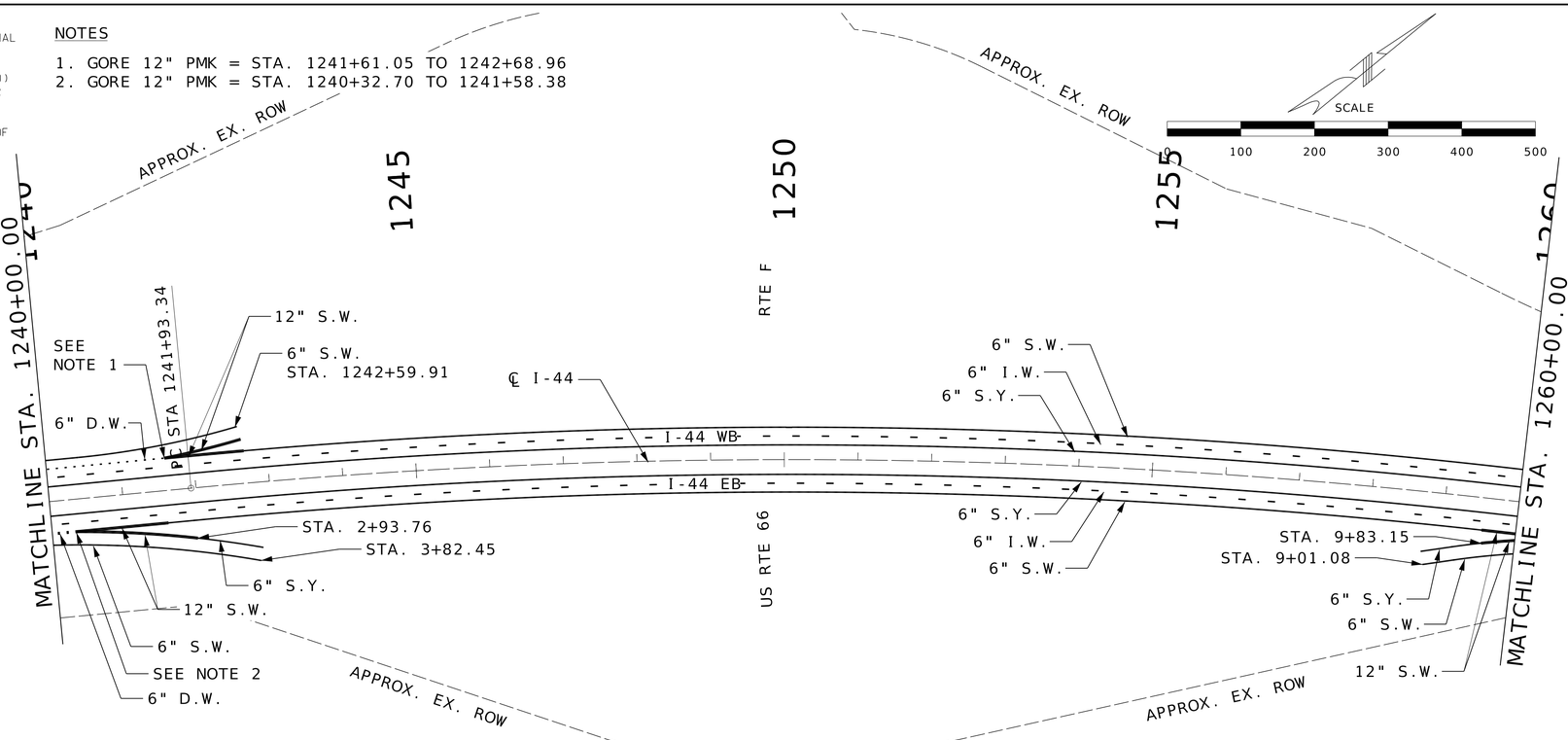
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

040_PM_01_JCD0270_I100.dgn 8:41:26 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOTES

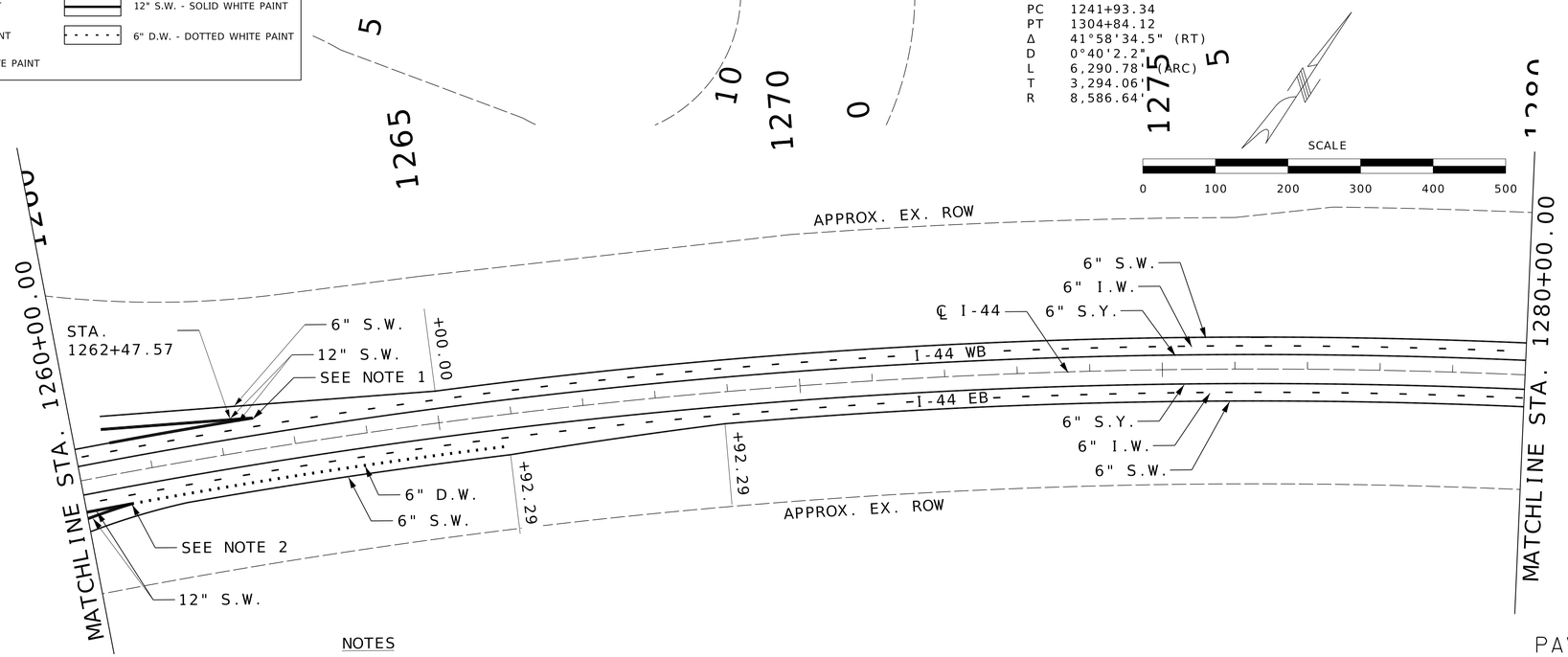
1. GORE 12" PMK = STA. 1241+61.05 TO 1242+68.96
2. GORE 12" PMK = STA. 1240+32.70 TO 1241+58.38



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT

CLX-44 CURVE 1
PI 1274+87.40
PC 1241+93.34
PT 1304+84.12
Δ 41°58'34.5" (RT)
D 0°40'2.2"
L 6,290.78' (ARC)
T 3,294.06'
R 8,586.64'



NOTES

1. GORE 12" PMK = STA. 1260+48.20 TO 1262+47.03
2. GORE 12" PMK = STA. 1259+53.47 TO 1260+63.31

PAVEMENT MARKING
SHEET
2 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/21/2026 8:27:39 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	41

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

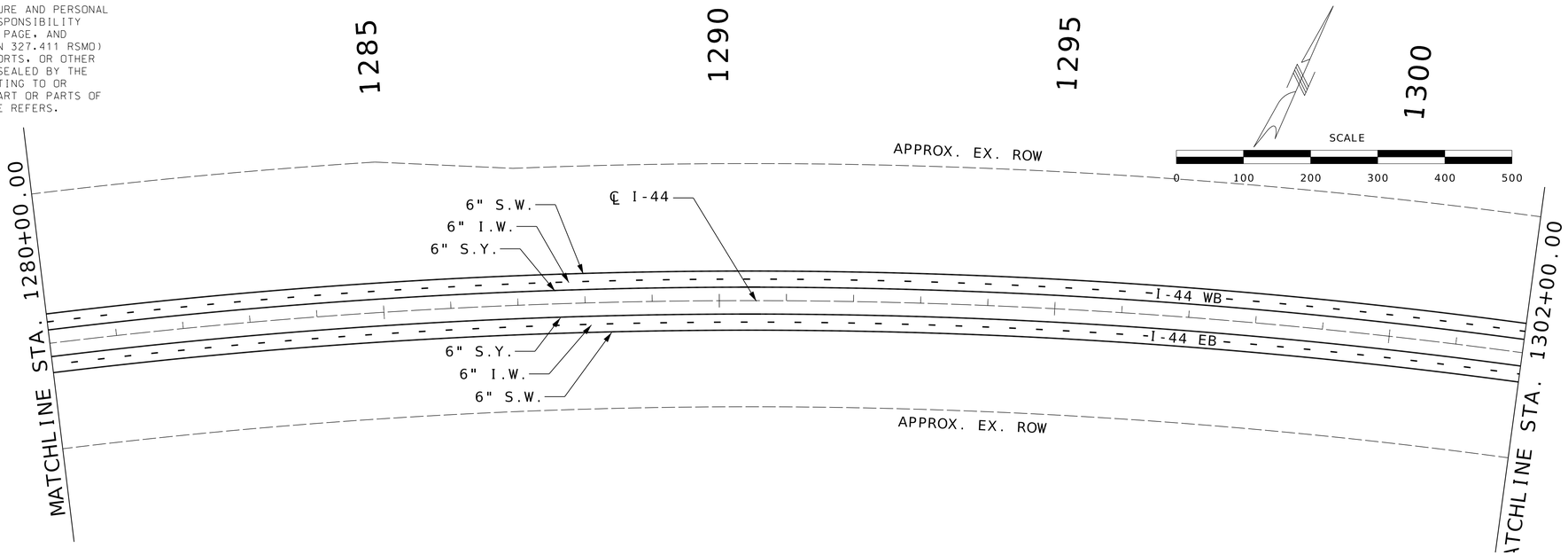
DESCRIPTION

DATE

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

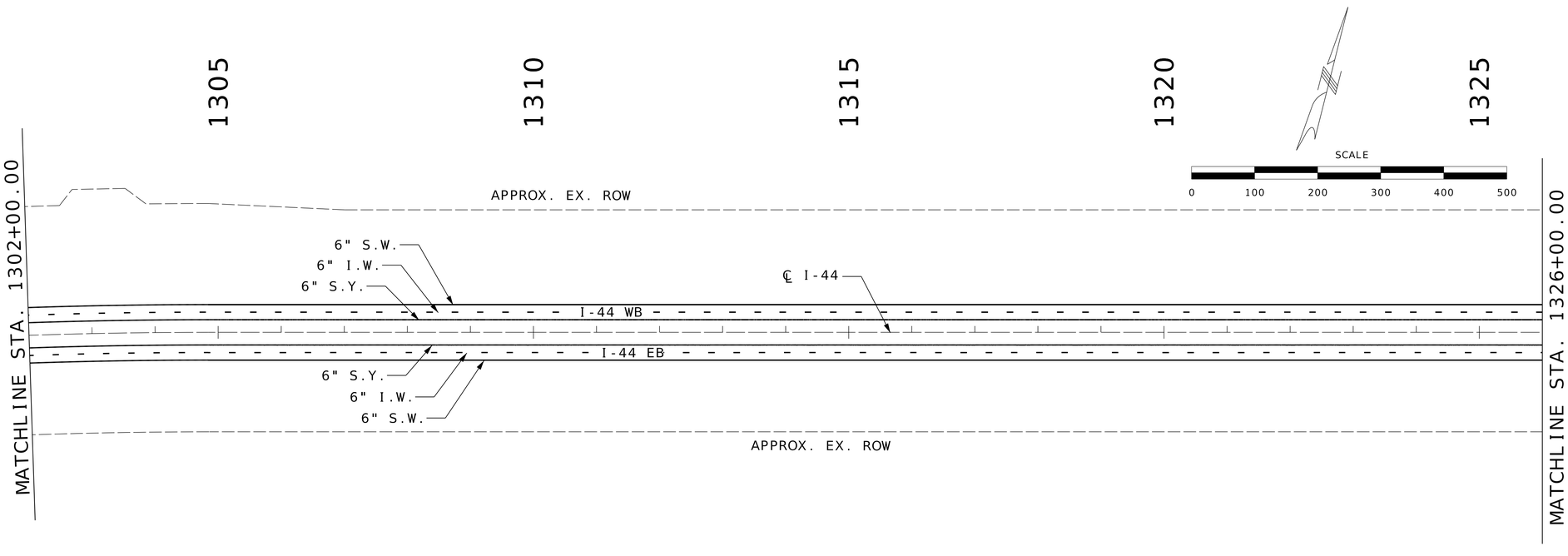
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
3 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:40 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	42

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

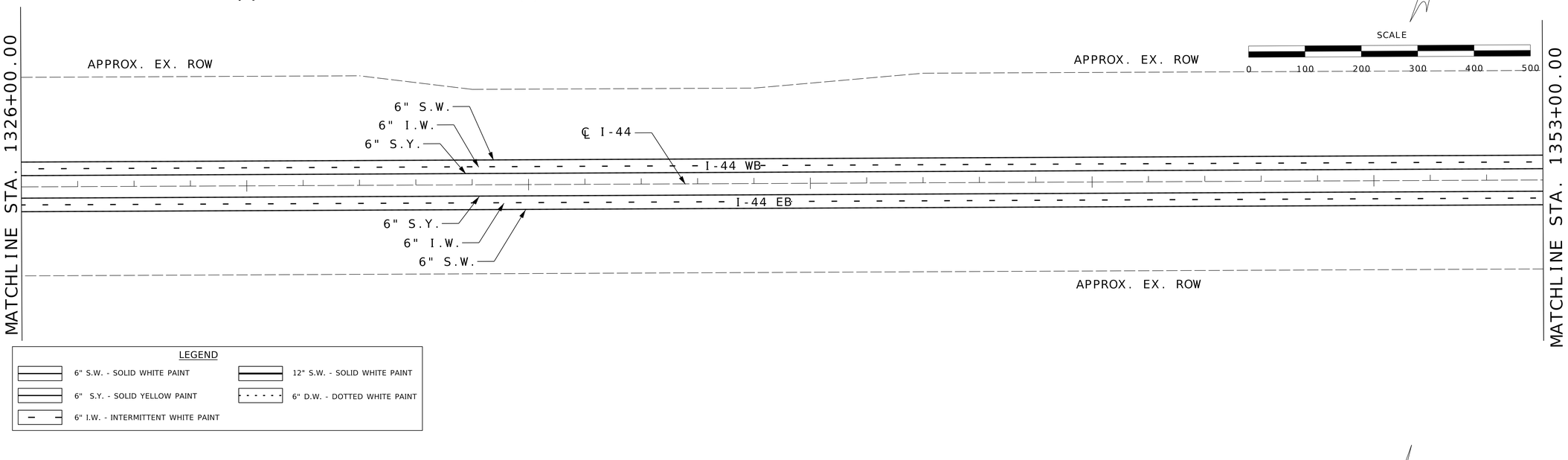
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

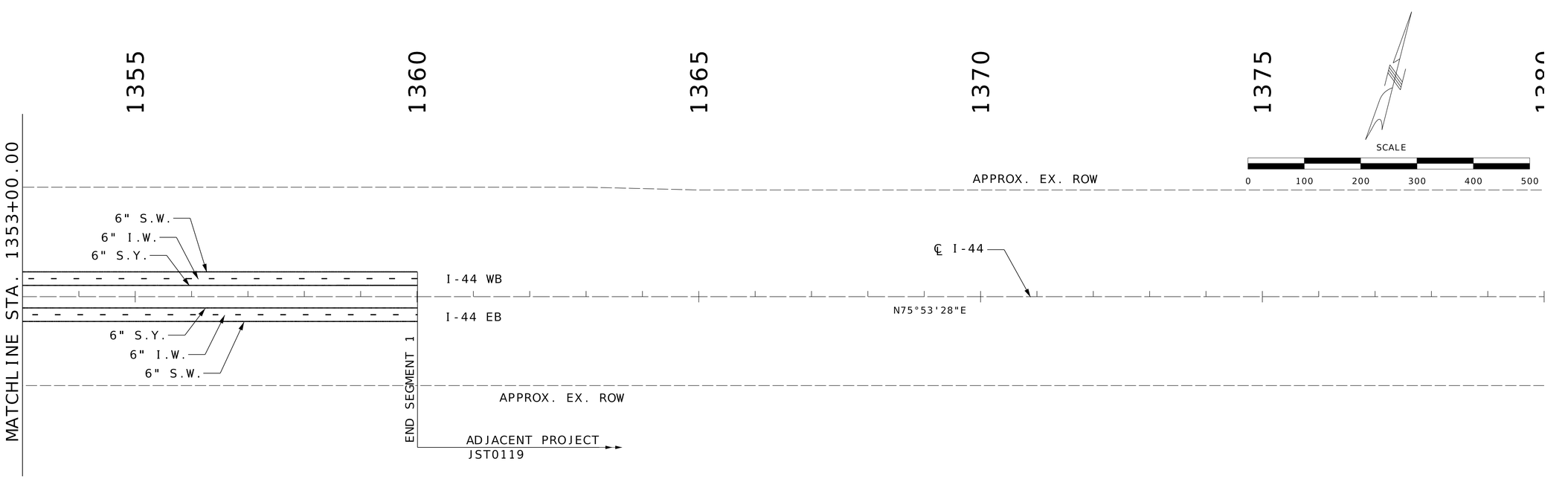
042_PM_03_JCD0270_I100.dgn 8:44:01 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
4 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:40 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	43

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

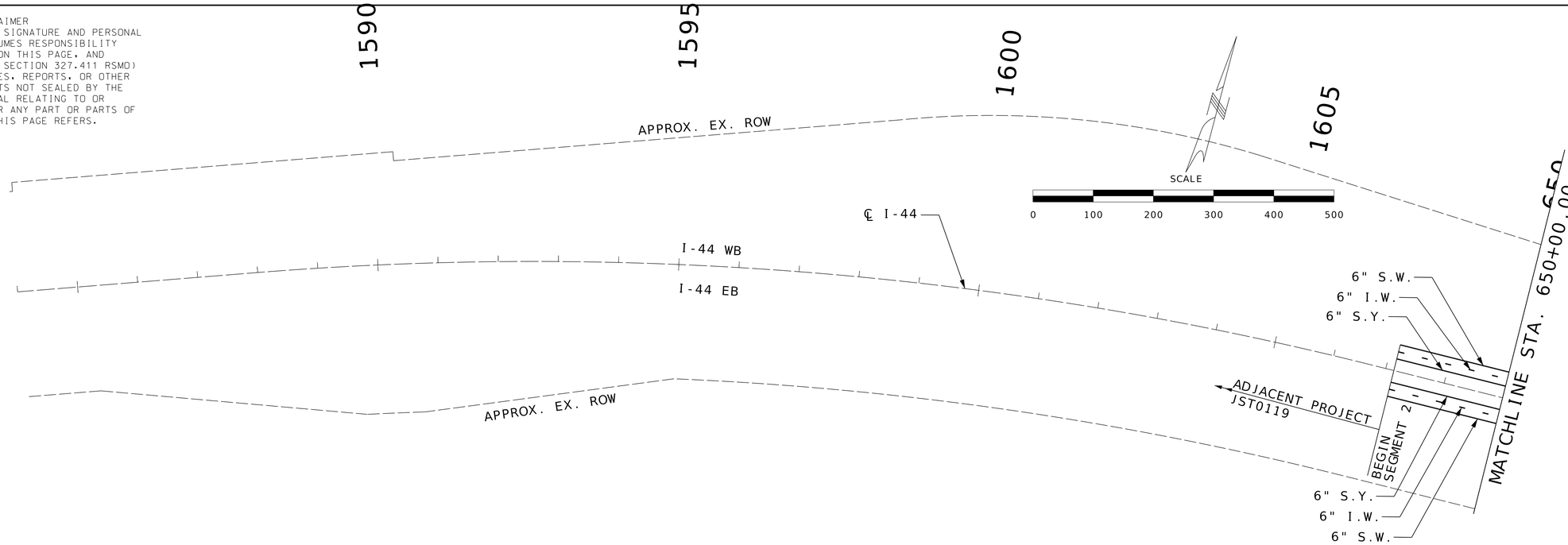
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

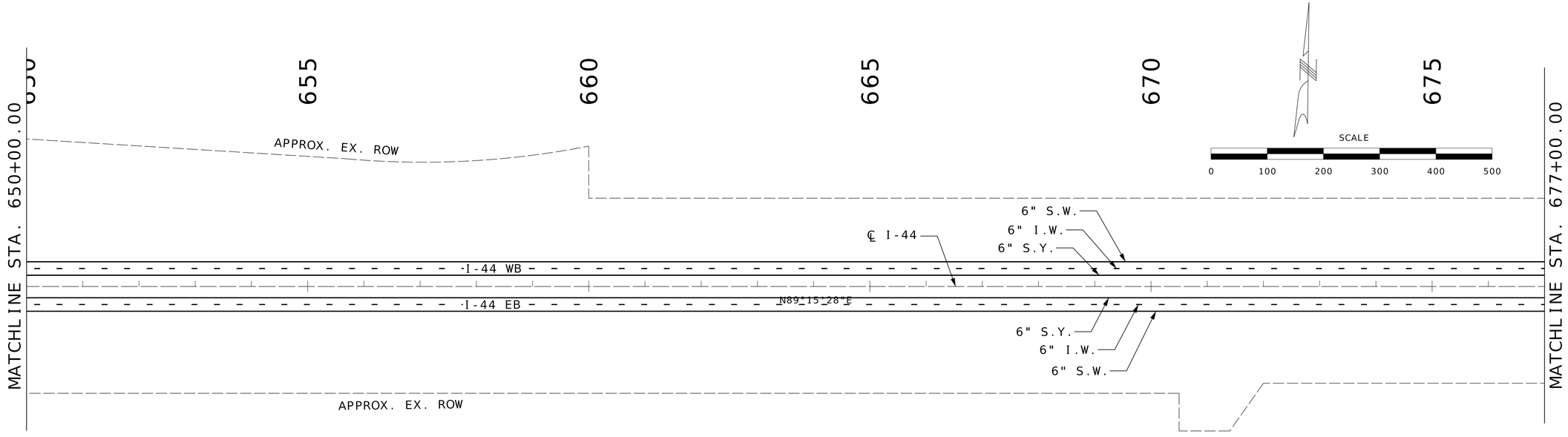
043_PM_04_JCD0270_I100.dgn 8:45:13 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
5 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:40 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	44

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

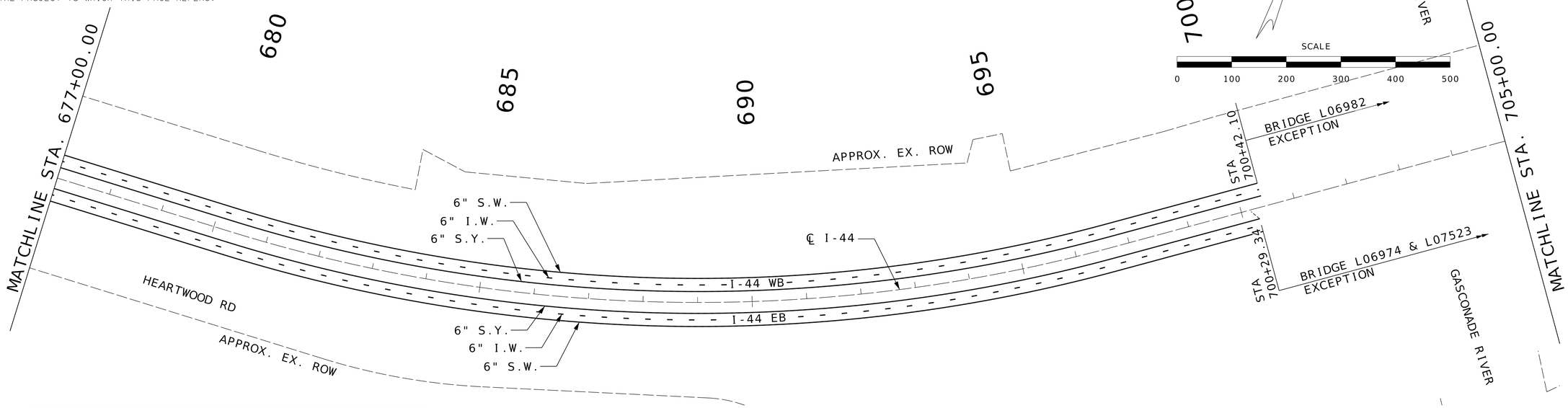
DESCRIPTION	DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

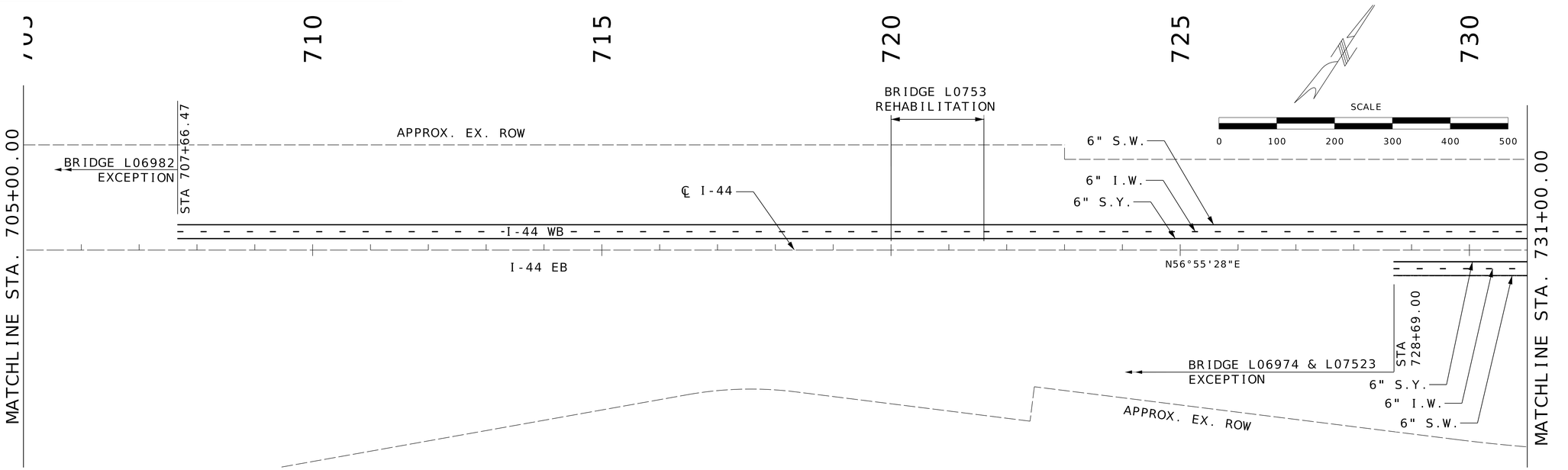
044_PM_05_JCD0270_I100.dgn 8:46:35 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
6 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:41 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	45

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

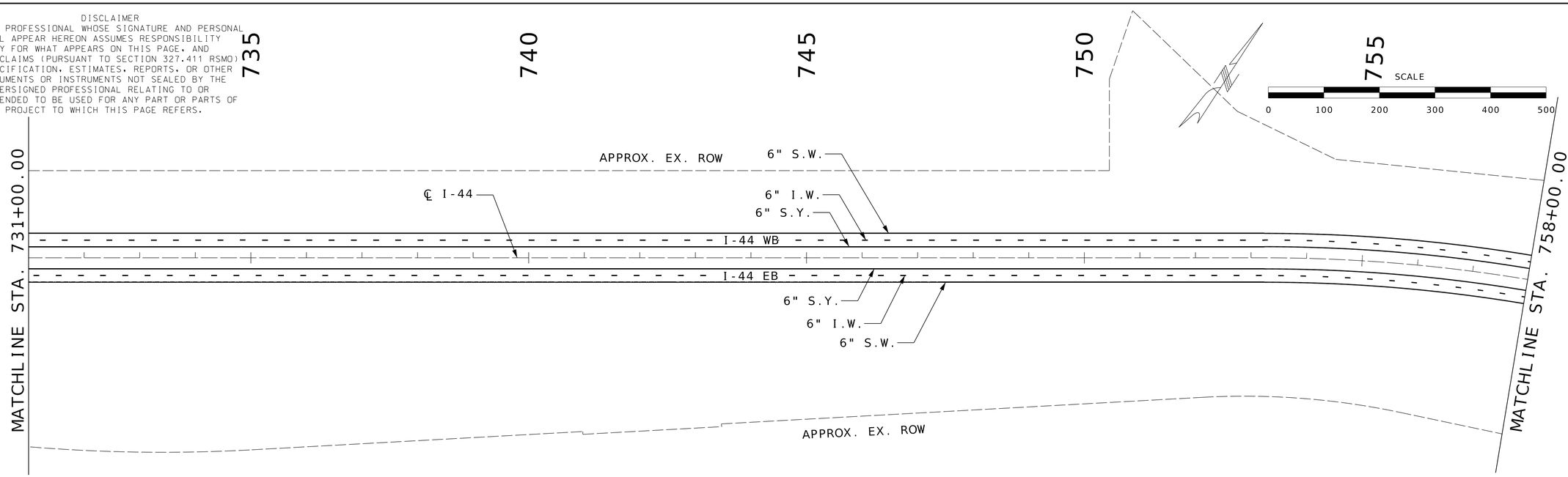
DESCRIPTION	DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

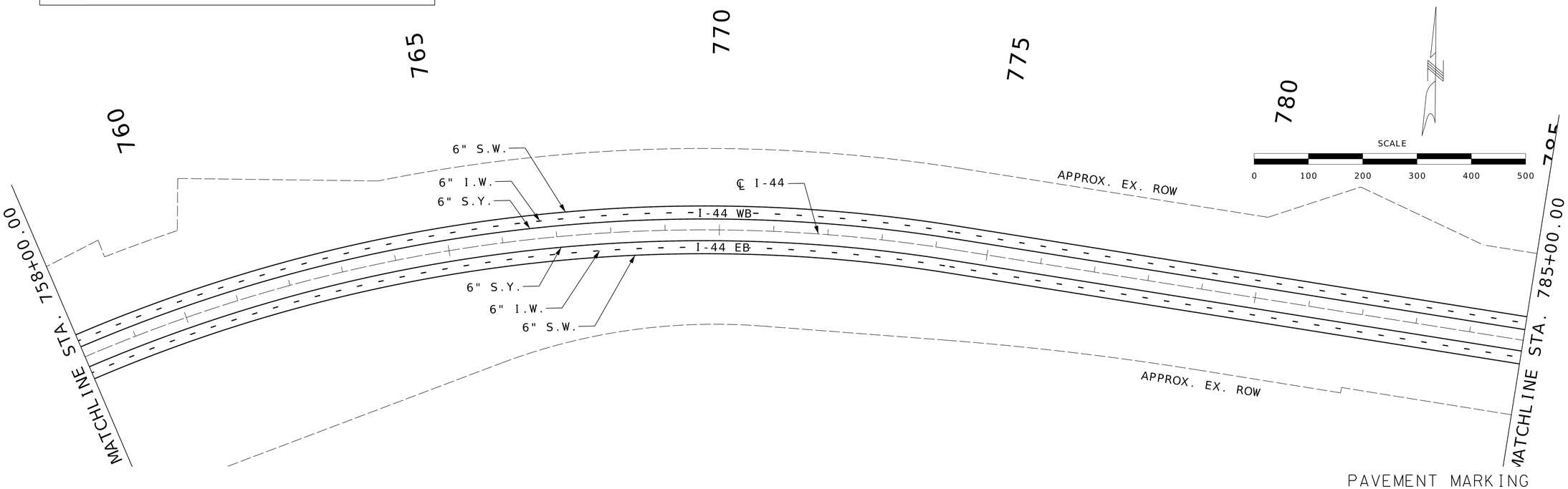
045_PM_06_JCD0270_I100.dgn 8:47:43 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
7 OF 9

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
WILLIAM G. KRUSSEL
NUMBER E-27561

09/21/2026 8:27:41 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	46

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

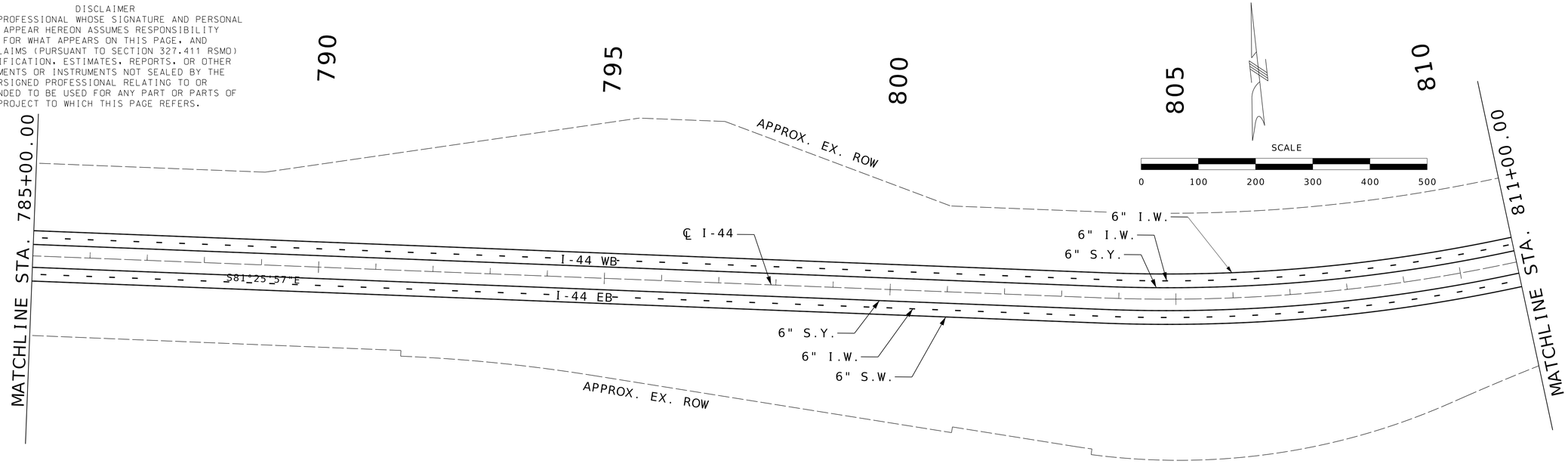
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

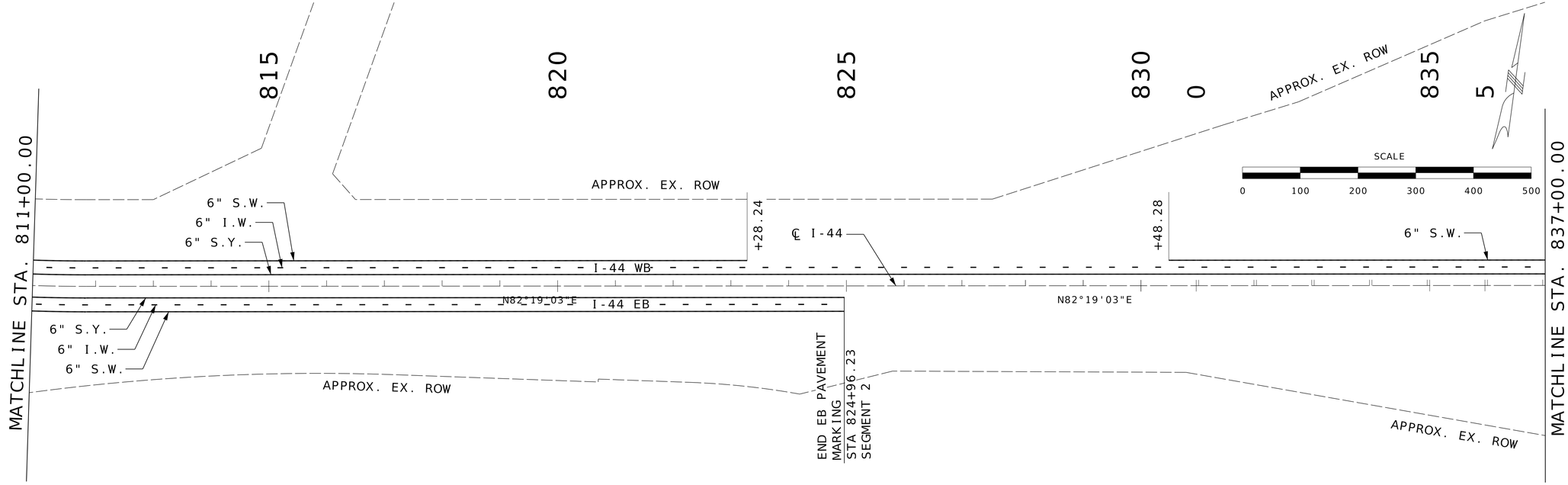
046_PM_07_JCD0270_I100.dgn 8:48:46 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT



PAVEMENT MARKING
SHEET
8 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:41 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	47

COUNTY
LACLEDE

JOB NO.
JCD0270

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

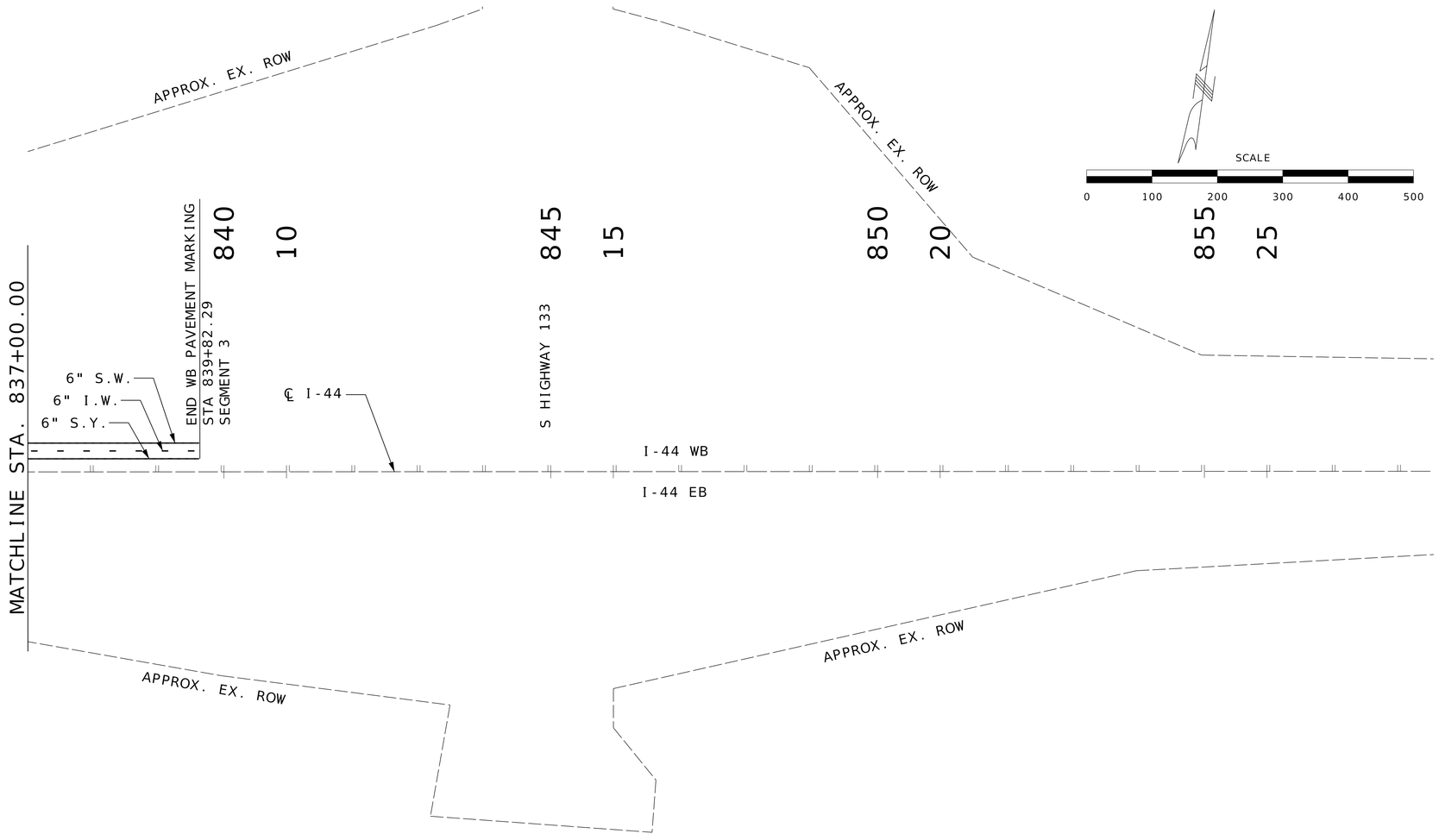
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

047_PM_08_JCD0270_I100.dgn 8:49:51 AM 9/19/2026

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



LEGEND

- 6" S.W. - SOLID WHITE PAINT
- 12" S.W. - SOLID WHITE PAINT
- 6" S.Y. - SOLID YELLOW PAINT
- 6" D.W. - DOTTED WHITE PAINT
- 6" I.W. - INTERMITTENT WHITE PAINT

PAVEMENT MARKING
SHEET
9 OF 9

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/21/2026 8:27:42 AM
William G. Krussel
MO PE-27561

DATE PREPARED
9/19/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
CD	48

COUNTY
LACLEDE

JOB NO.
JCD0270

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)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

048_PM_09_JCD0270_I100.dgn 8:50:56 AM

DESIGN DESIGNATION

A.A.D.T. - 2027 = 29,735
A.A.D.T. - 2047 = 49,975
T = 29.0%
V = 70 M.P.H.
D = WB 52.0%
D.H.V. = 10%

FUNCTIONAL CLASSIFICATION-INTERSTATE

NO NEW RIGHT-OF-WAY REQUIRED.

CONVENTIONAL SYMBOLS
(USED IN PLANS)

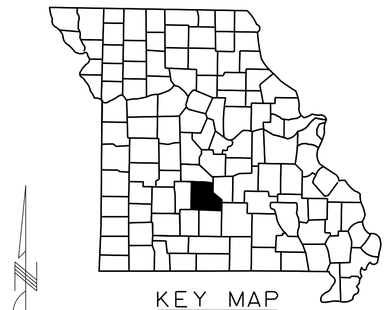
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

LACLEDE COUNTY

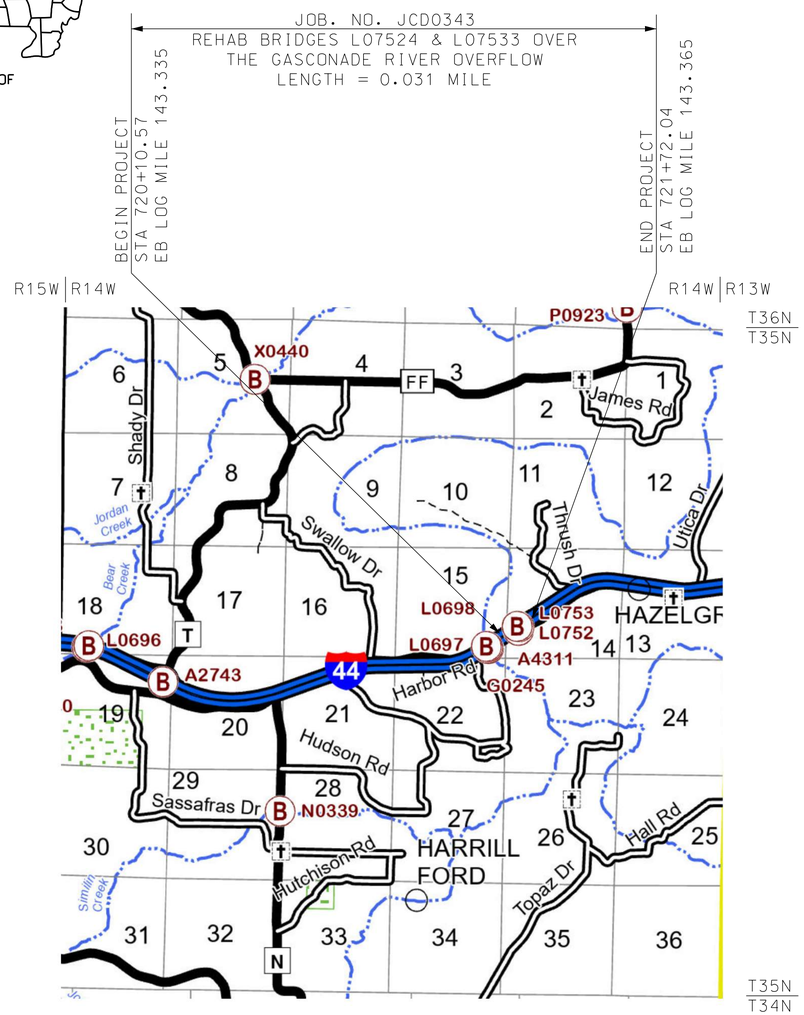


KEY MAP
SHOWING LOCATION OF LACLEDE COUNTY

JOB. NO. JCD0343
REHAB BRIDGES L0752 4 & L0753 3 OVER
THE GASCONADE RIVER OVERFLOW
LENGTH = 0.031 MILE

BEGIN PROJECT
STA 720+10.57
EB LOG MILE 143.335

END PROJECT
STA 721+72.04
EB LOG MILE 143.365



NOT TO SCALE

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
BRIDGE DRAWINGS (B)	
L0752	1
L0753	1-14

NOTE:
SEE PROJECT JST0119 FOR TRAFFIC CONTROL INFORMATION.
SEE PROJECT JCD0270 FOR EROSION CONTROL AND ALL OTHER ROADWAY ITEMS INFORMATION.

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 720+10.57	
END OF PROJECT	STA. 721+72.04	
APPARENT LENGTH	162.00±	FEET
EQUATIONS AND EXCEPTIONS: NONE		
TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	162.00	FEET
STATE LENGTH	0.031	MILE
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER
09/17/2026 5:30:29 PM
William G. Krussel
MO PE-27561

DATE PREPARED
9/17/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	1

COUNTY
LACLEDE

JOB NO.
JCD0343

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

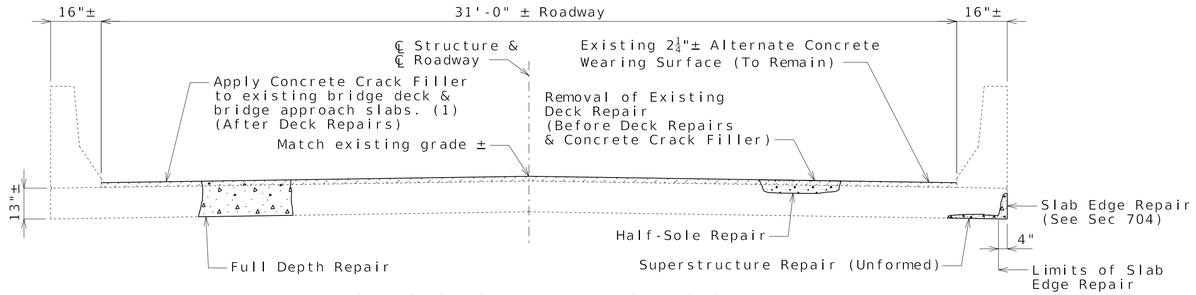
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

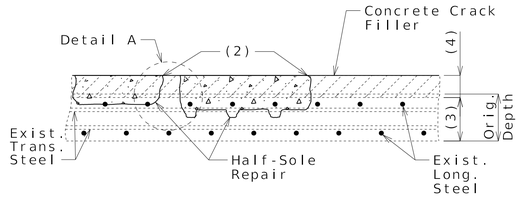
c:\bms\wsp-pb-us-pw-02\wsp__scott.keys\d1235113\001_TITLE_JCD0343_ITITLESHEET.dgn 4:56:31 PM 9/17/2026

SEC/SUR 14 TWP 35N RGE 14W

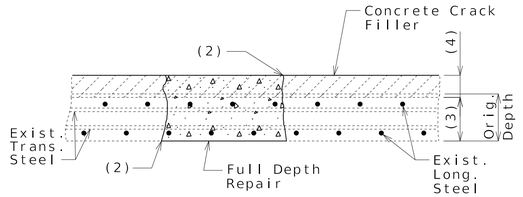
U.I.P. AND REHABILITATE EXISTING (5 @ 25') CONTINUOUS CONCRETE SOLID SLAB SPANS (SKEW: 10° L.A.)



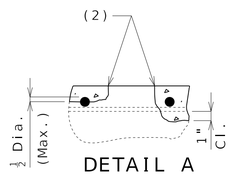
TYPICAL SECTION THRU EXISTING SLAB
(Looking East)



HALF-SOLE REPAIR



FULL DEPTH REPAIR



Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

DETAIL A

(1) Estimated area of bridge approach slabs to be coated with Concrete Crack Filler is included in this quantity. See special provisions.

(2) 1" vertical side shall be established outside the deteriorated area.

(3) Original depth minus previous scarification.

(4) 2 1/4"± alternate concrete wearing surface.

Estimated Quantities

	Item		Total
*	Removal of Existing Deck Repair	sq. foot	50
	Superstructure Repair (Unformed)	sq. foot	15
*	Half-Sole Repair	sq. foot	50
*	Full Depth Repair	sq. foot	50
	Slab Edge Repair (Bridges)	linear foot	10
*	Concrete Crack Filler	sq. yard	603
	Surface Preparation for Applying Epoxy-Mastic Primer	lump sum	1
	Aluminum Epoxy-Mastic Primer	lump sum	1

* Includes bridge approach slabs

General Notes:

Design Specifications:

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

Design Loading:

H20-S16-44 (1955) (End Bents)
HS20-44 (1962) (Superstructure & Intermediate Bents)
HS20-44 Modified (2005 & New Construction)

Design Unit Stresses:

Class B-2 Concrete (Half-Sole and Full Depth Repair) f'c = 4,000 psi

Miscellaneous:

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

All exposed surfaces of existing structural steel piles and sway bracing shall be recoated with one 6-mil thickness of aluminum epoxy-mastic primer applied over an SSPC-SP3 surface preparation in accordance with Sec 1081. The bituminous coating shall be applied one foot above and below the existing ground line and in accordance with Sec 702. These protective coatings will not be required below the normal water line. The cost of surface preparation will be considered completely covered by contract lump sump price for Surface Preparation for Applying Epoxy-Mastic Primer. The cost of the aluminum epoxy-mastic primer and bituminous coating will be considered completely covered by the contract lump sum price for Aluminum Epoxy-Mastic Primer.

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

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

Traffic Handling:

Structure to be closed during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE:
ROUTE I-44 EB OVER GASCONADE RIVER OVERFLOW

ROUTE I-44 EB FROM ROUTE T TO ROUTE 133
ABOUT 3.2 MILES EAST OF ROUTE T
BEGINNING STATION 720+16.73± (MATCH EXISTING)

Detailed May 2026
Checked May 2026

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

c:\bms\wsp-us-pw-02\d1235135\B_L07524_001_JCD0343_FRONT SHEET.dgn 9:57:02 AM 8/14/2026

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/14/2026 9:53:43 AM
Osman Mohammed
MO PE-2021003145

DATE PREPARED: 8/14/2026
ROUTE: I-44 | STATE: MO
DISTRICT: BR | SHEET NO.: 1
COUNTY: LACLEDE
JOB NO.: JCD0343
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L07524

DESCRIPTION | DATE

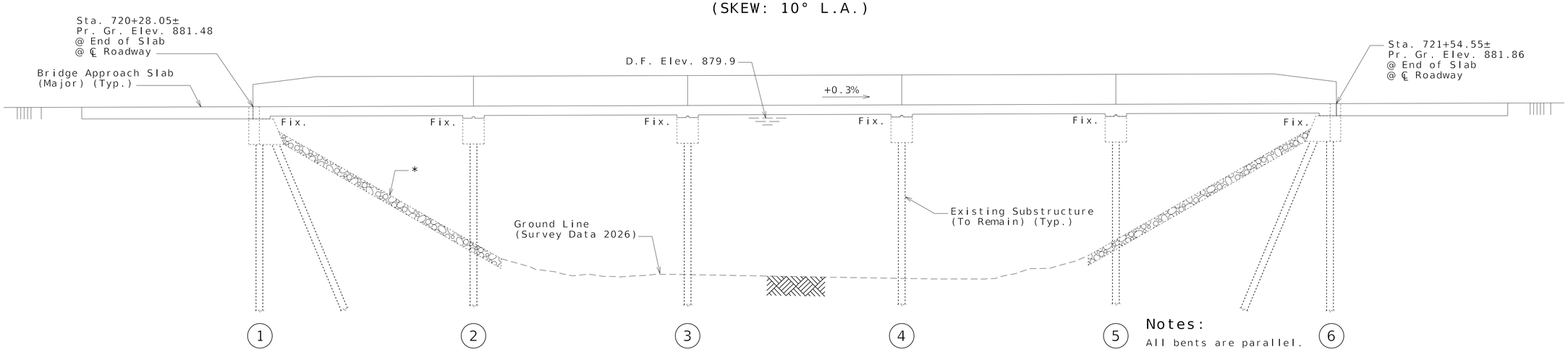
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

U.I.P., AND REPLACE EXISTING SUPERSTRUCTURE WITH (5 @ 25') CONTINUOUS CONCRETE SOLID SLAB SPANS (SKEW: 10° L.A.)

SEC/SUR 14 TWP 35N RGE 14W



* Existing Rock Blanket (To Remain)(Typ.)

GENERAL ELEVATION

Notes:

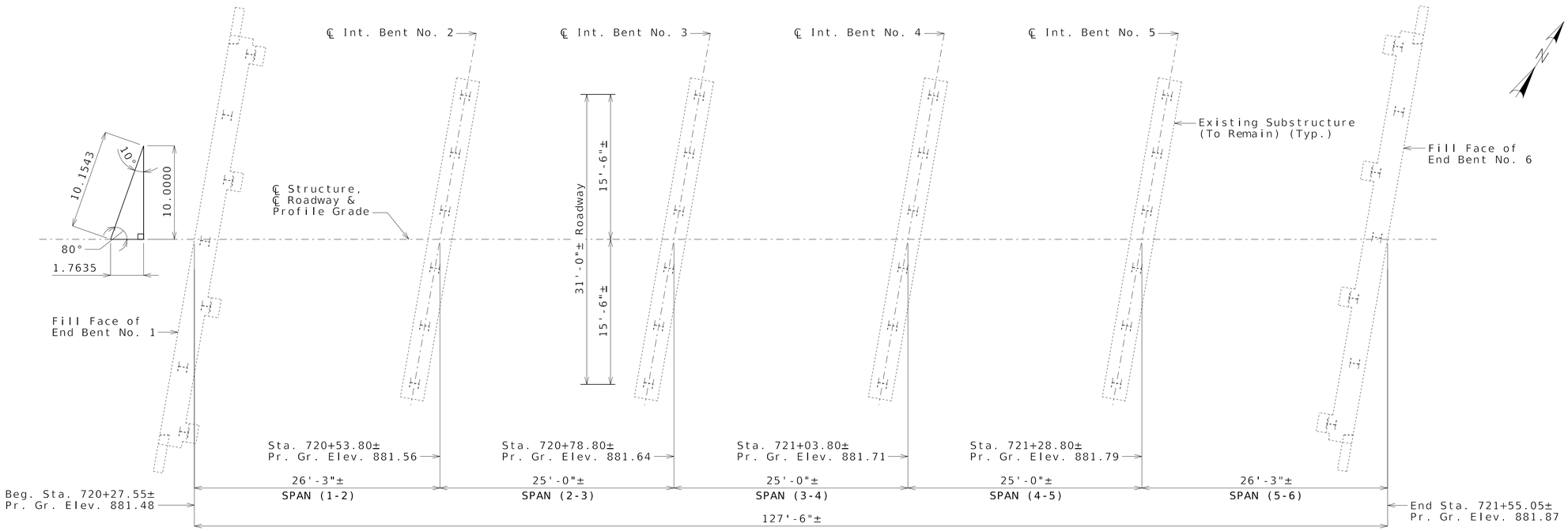
All bents are parallel.

Longitudinal dimensions are based on the original design plans.

All longitudinal dimensions are horizontal.

For General Notes, Estimated Quantities and Location Sketch, see Sheet No. 2.

Survey datum: USGS (Existing)
NAVD88 & NAD83 (Proposed)



PLAN

REPAIRS TO BRIDGE: ROUTE I-44 WB OVER GASCONADE RIVER OVERFLOW

ROUTE I-44 WB FROM ROUTE 133 TO ROUTE T
ABOUT 2.4 MILES WEST OF ROUTE 133
BEGINNING STATION 720+27.55 ± (MATCH EXISTING)

Designed May 2026
Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED: 8/24/2026
ROUTE: I-44 | STATE: MO
DISTRICT: BR | SHEET NO.: 1
COUNTY: LACLEDE
JOB NO.: JCD0343
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L07533

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

General Notes:

Design Specifications:
2020 AASHTO LRFD Bridge Design Specifications (9th Ed.)
Seismic Design Category = A (Nonseismic)

Design Loading:
Vehicular = HL-93 (New Construction),
H20-S16-44 (1953) (Existing)
Future Wearing Surface = 35 lb/sf
Earth = 120 lb/cf
Equivalent Fluid Pressure = 45 lb/cf (Min.)

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

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

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

Traffic Handling:
Structure to be closed during construction. Traffic to be maintained on other routes during construction. See roadway plans for traffic control.

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

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

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.

Resin Anchors:
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 at end bents,and intermediate bents, complete in place, will be considered completely covered by contract unit price for Reinforcing Steel (Epoxy Coated).

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 #6 Grade 60 reinforcing bar shall be substituted for the 3/4" Ø threaded rod.

Estimated Quantities

	Item		Substr.	Superstr.	Total
	Class 1 Excavation	cu. yard	35		35
	Removal of Existing Superstructure	lump sum			1
	Bridge Approach Slab (Major)	sq. yard		150	150
	Class B-2 Concrete (Superstructure Solid Slab)	cu. yard		191.2	191.2
*	Type D Barrier	linear foot		255	255
	Substructure Repair (Unformed)	sq. foot	5		5
	Reinforcing Steel (Epoxy Coated)	pound		61,250	61,250
	Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum			1
	Slab Drain	each		20	20
	Vertical Drain at End Bents	each			2

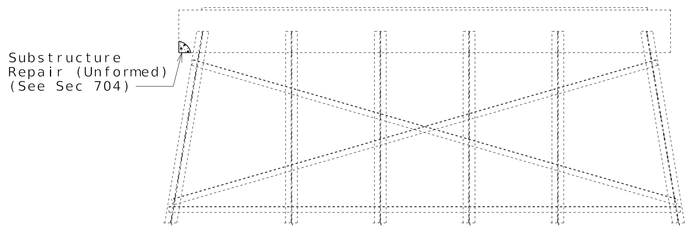
* Type D Barrier shall be cast-in-place option or slip-form option.

All concrete above the construction joint in the end bents is included in the Estimated Quantities for Class B-2 Concrete (Superstructure Solid Slab).

All reinforcement in the end bents is included in the Estimated Quantities for Reinforcing Steel (Epoxy Coated).

Hydrologic Data

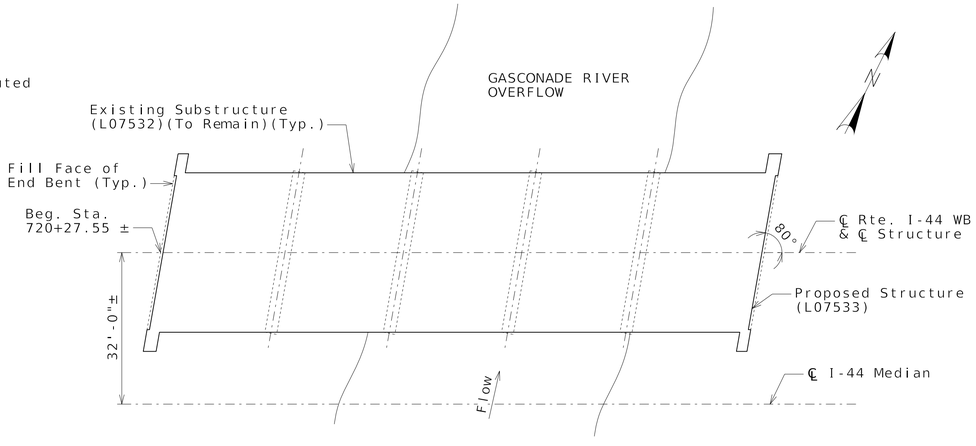
Drainage Area = 1,255 sq. mi
Design Flood Frequency = <50 years
Design Flood Discharge = <13,000 cfs
Design Flood (D.F.) Elevation = 879.9
Base Flood (100-year)
Base Flood Elevation = 884.7
Base Flood Discharge = 14,900 cfs
Estimated Backwater = 1.0 ft
Average Velocity thru Opening = 6.0 ft/s
Freeboard (50-year)
Freeboard = -0.2 ft
Roadway Overtopping
Overtopping Flood Discharge = >13,000 cfs
Overtopping Flood Frequency = <50 years
<50 YR Flood Elevation = 881.4



SUBSTRUCTURE REPAIR DETAILS AT SOUTH EDGE OF INT. BENT NO. 2

The cost of repairs as shown will be considered completely covered by the contract unit price for Substructure Repairs (Unformed).

Shotcrete shall be used for all Substructure Repairs (Unformed). See Job Special Provisions.



LOCATION SKETCH

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

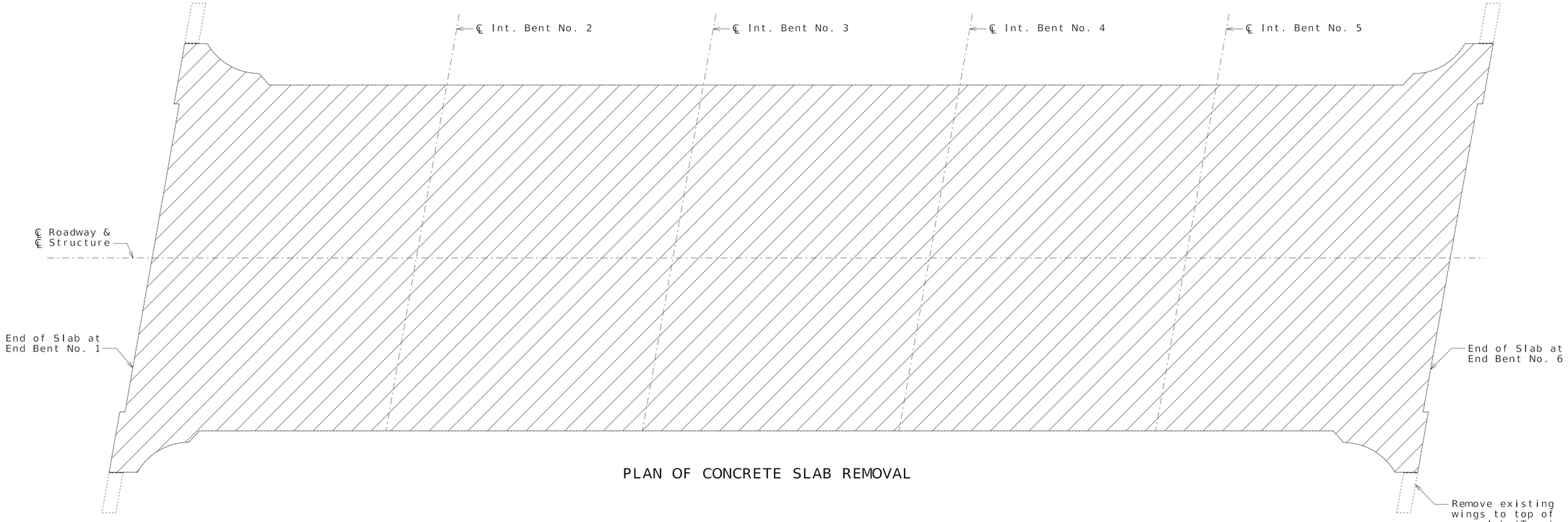
DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 2
COUNTY LACLEDE
JOB NO. JCD0343
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L07533

DESCRIPTION | DATE

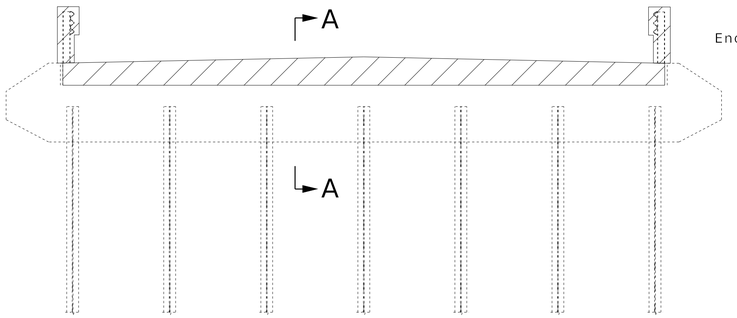
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

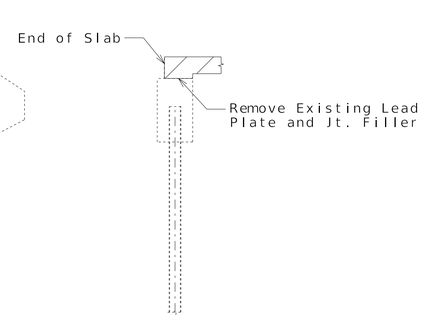
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING



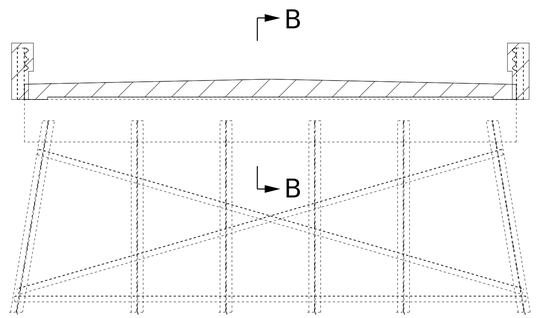
PLAN OF CONCRETE SLAB REMOVAL



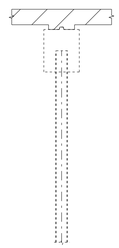
DETAILS OF SUPERSTRUCTURE
REMOVAL AT END BENT NO. 1
(End Bent No. 6 similar)



SECTION A-A



DETAILS OF SUPERSTRUCTURE REMOVAL
AT INT. BENTS NO. 2 THRU 5



SECTION B-B

Notes:

Remove Existing Superstructure (L07532) to limits shown in plans. A smooth, level surface shall be provided at all bent removal lines.

See roadway plans for maintenance of traffic and removal of approach embankments.

Existing wingwalls at end bents to remain.

Limits of removal of bridge superstructure

REMOVAL PLANS

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED
8/24/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
BR	3

COUNTY
LACLEDE

JOB NO.
JCD0343

CONTRACT ID.

PROJECT NO.

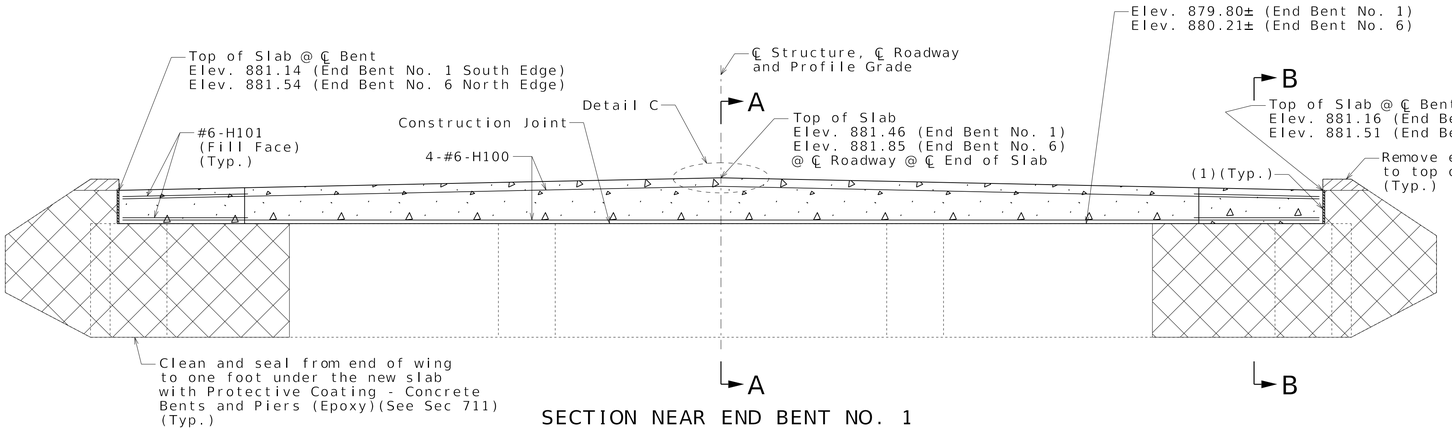
BRIDGE NO.
L07533

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

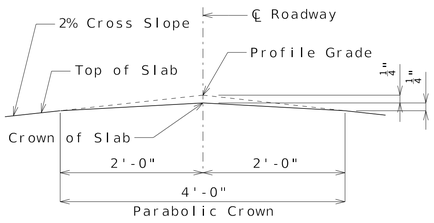
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

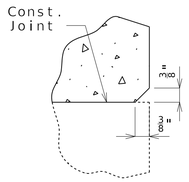


SECTION NEAR END BENT NO. 1

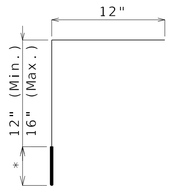
(End Bent No. 6 similar)
(Slab Reinforcement and Existing Piles not shown for clarity)



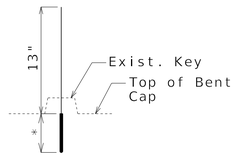
DETAIL C



CHAMFER DETAIL



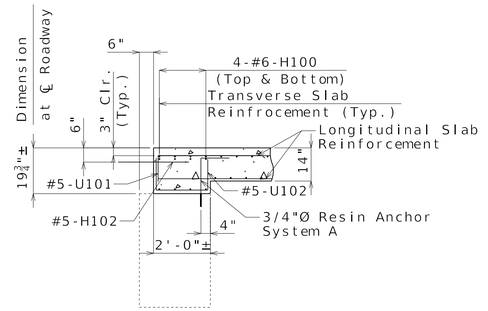
SYSTEM A AT END BENTS
(34 required ea. End Bent)
(Field Bend)



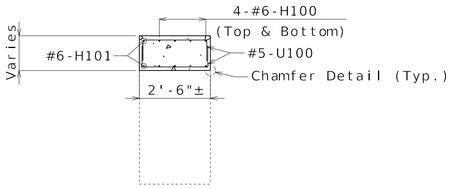
SYSTEM B AT INT. BENTS
(34 required ea. Int. Bent)

DETAILS OF RESIN ANCHOR SYSTEMS

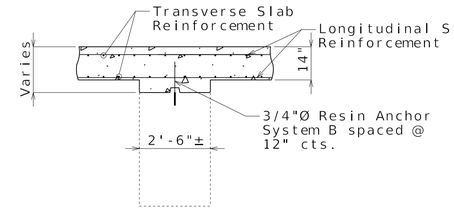
*Manufacturer's recommended embedment length (5" min.)



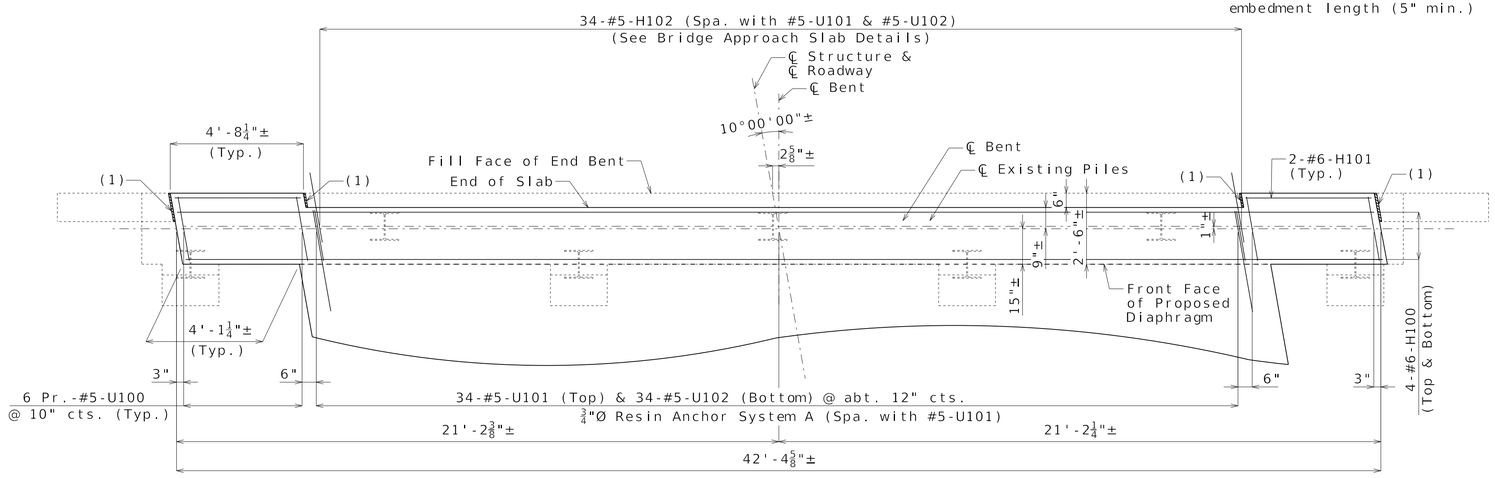
SECTION A-A



SECTION B-B



INTERMEDIATE BENT ANCHORAGE



PART PLAN

(End Bent No. 1 shown, End Bent No. 6 similar but opposite hand)

Notes:

All concrete in the end bent diaphragm shall be Class B-2 and will be considered completely covered by the contract unit price for Class B-2 Concrete (Superstructure Solid Slab).

All reinforcement in the end bent diaphragm shall be epoxy coated and will be considered completely covered by the contract unit price for Reinforcing Steel (Epoxy Coated).

Resin Anchor Systems shall miss the existing bent cap reinforcement.

The U bars and H102 bars shall be placed parallel to centerline of roadway.

Resin anchor system shall be installed such that they do not conflict with or damage the existing bent cap reinforcement.

For details of vertical drain at end bents, see Sheet No. 5.

For details and reinforcement of slab, see Sheets No. 6 thru 8.

For details and reinforcement of Type D Barrier, see Sheets No. 10 & 11.

For details of bridge approach slab, see Sheet No. 12.

(1) 3/4" Preformed Flexible Foam Expansion Joint Filler.

DETAILS OF END BENTS AND INTERMEDIATE BENTS

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

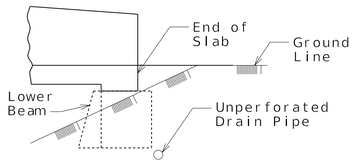
DATE PREPARED: 8/24/2026
ROUTE: I-44 | STATE: MO
DISTRICT: BR | SHEET NO.: 4
COUNTY: LACLEDE
JOB NO.: JCD0343
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L07533

DESCRIPTION | DATE

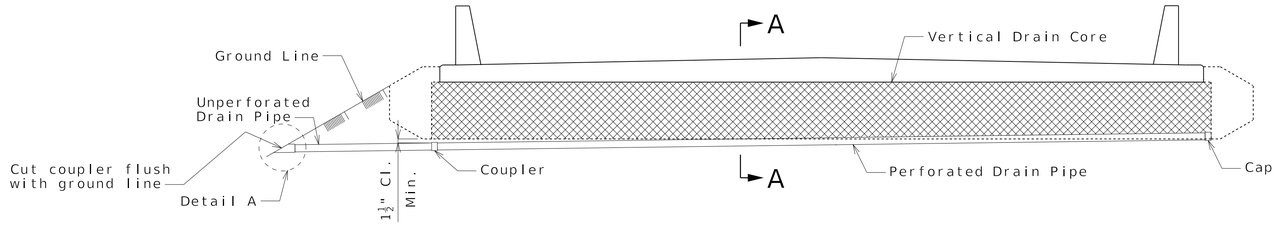
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

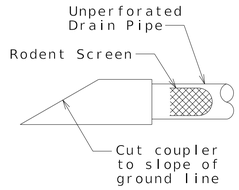
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING



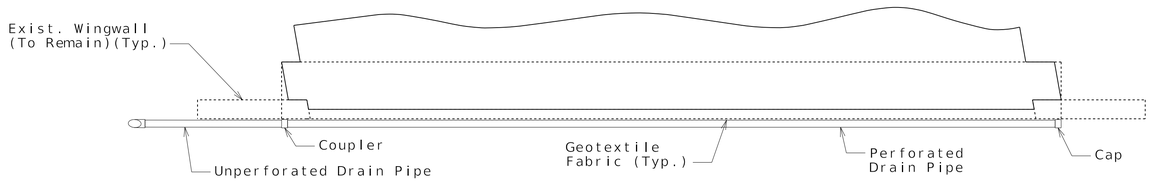
SIDE ELEVATION OF END BENT



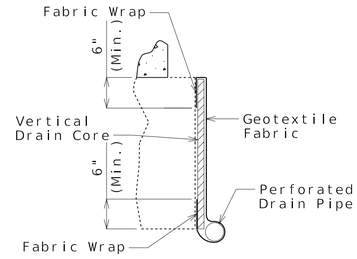
ELEVATION OF END BENT



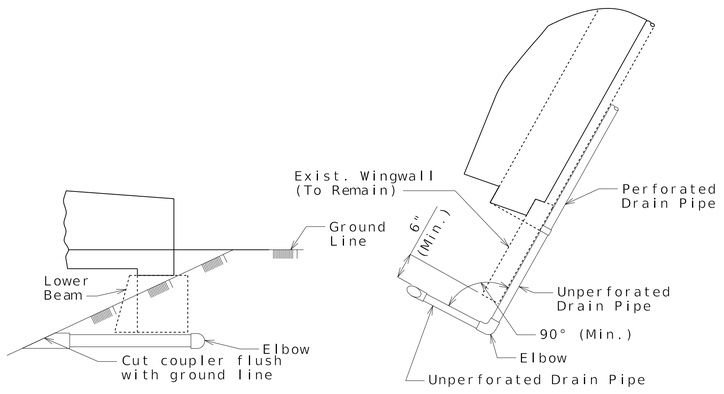
DETAIL A



PLAN OF END BENT



PART SECTION A-A



SIDE ELEVATION OF END BENT PART PLAN

OPTIONAL TURNED DRAIN

(Use only when straight drain is not practical.)

General Notes:

All drain pipe shall be sloped 1 to 2 percent.

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

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

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

VERTICAL DRAIN AT END BENTS

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 5
COUNTY LACLEDE
JOB NO. JCD0343
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L07533

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

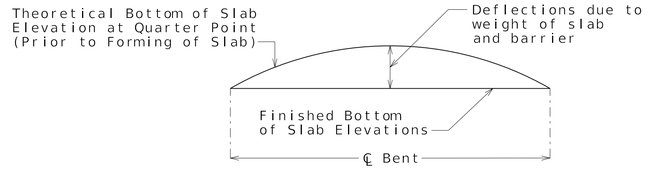
Theoretical Bottom of Slab Elevations (Prior to Forming for Slab)**

	Span (1-2) (25'-0"± ℄ Bent - ℄ Bent)					Span (2-3) (25'-0"± ℄ Bent - ℄ Bent)					Span (3-4) (25'-0"± ℄ Bent - ℄ Bent)				
	℄ Bent	.25	.50	.75	℄ Bent	℄ Bent	.25	.50	.75	℄ Bent	℄ Bent	.25	.50	.75	℄ Bent
At Left Edge	879.99	880.02	880.04	880.06	880.07	880.07	880.10	880.12	880.13	880.14	880.14	880.17	880.19	880.21	880.22
At ℄ Roadway	880.32	880.35	880.37	880.39	880.39	880.39	880.42	880.45	880.46	880.47	880.47	880.50	880.52	880.54	880.54
At Right Edge	879.97	880.00	880.03	880.04	880.05	880.05	880.08	880.10	880.12	880.12	880.12	880.15	880.18	880.19	880.20

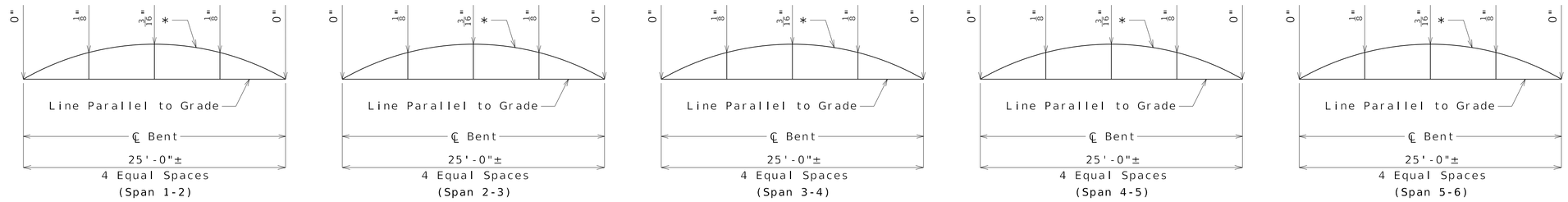
Theoretical Bottom of Slab Elevations (Prior to Forming for Slab)**

	Span (4-5) (25'-0"± ℄ Bent - ℄ Bent)					Span (5-6) (25'-0"± ℄ Bent - ℄ Bent)				
	℄ Bent	.25	.50	.75	℄ Bent	℄ Bent	.25	.50	.75	℄ Bent
At Left Edge	880.22	880.25	880.27	880.28	880.29	880.29	880.32	880.34	880.36	880.37
At ℄ Roadway	880.54	880.57	880.60	880.61	880.62	880.62	880.65	880.67	880.69	880.69
At Right Edge	880.20	880.23	880.25	880.27	880.27	880.27	880.30	880.33	880.34	880.35

** Elevations are based on a constant slab thickness of 14" and include allowance for theoretical dead load deflections due to weight of slab and Type D barrier.

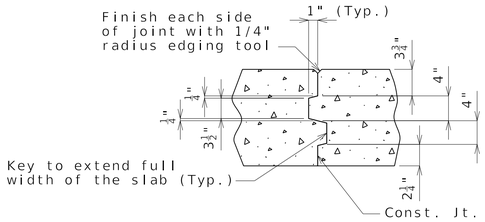


TYPICAL SLAB ELEVATIONS DIAGRAM

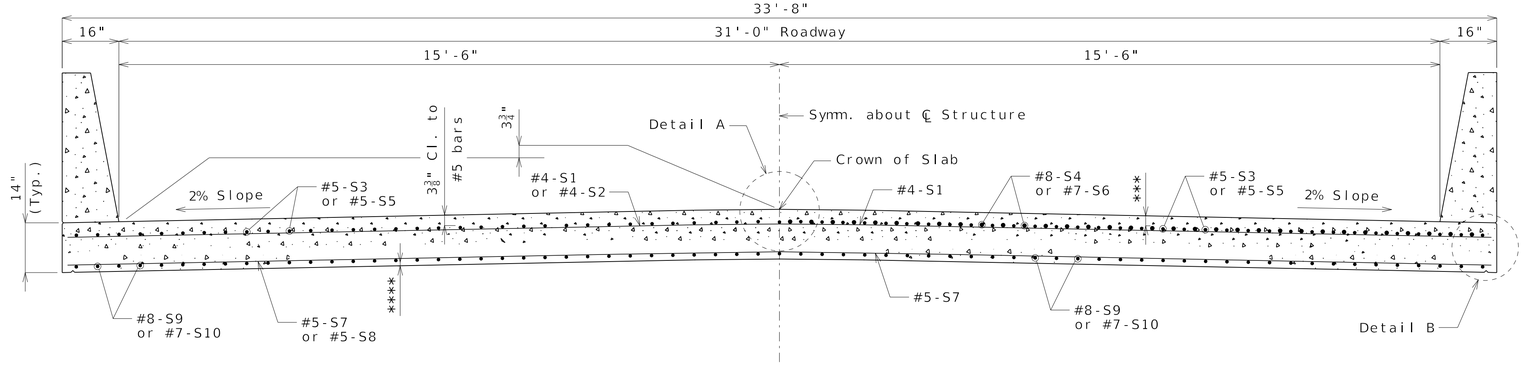


CAMBER DIAGRAM

* Bottom of Slab (Prior to Forming Slab)



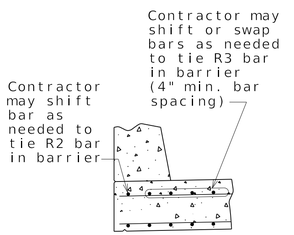
SLAB CONSTRUCTION JOINT DETAILS



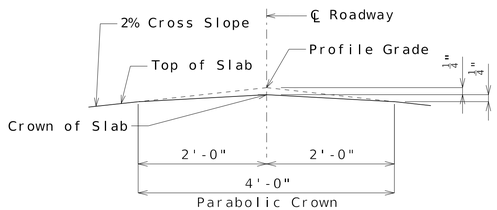
SECTION THRU SLAB

*** 3" Clear to #8 bars
3 1/8" Clear to #7 bars

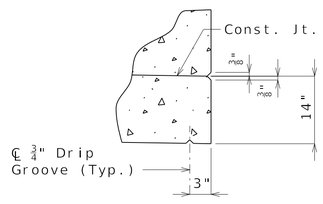
**** 1" Clear to #8 bars
1 1/8" Clear to #7 bars



OPTIONAL SHIFTING TOP BARS AT BARRIER



DETAIL A



DETAIL B

Notes:

For details and reinforcement of Type D Barrier, see Sheets No. 10 & 11.

Longitudinal dimensions are horizontal.

For Plan of Slab Showing Reinforcement, see Sheets No. 7 & 8.

The contractor shall furnish an approved retarder to retard the set of concrete to 2.5 hours and shall pour and satisfactorily finish the roadway slab at a rate of 20 linear feet of bridge per hour and not less than 25 cubic yards per hour. The contractor shall observe the transverse construction joints shown on the plans, unless the contractor is equipped to pour and satisfactorily finish the roadway slab at a rate which permits a continuous pouring through some or all joints as approved by the engineer.

SLAB DETAILS

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

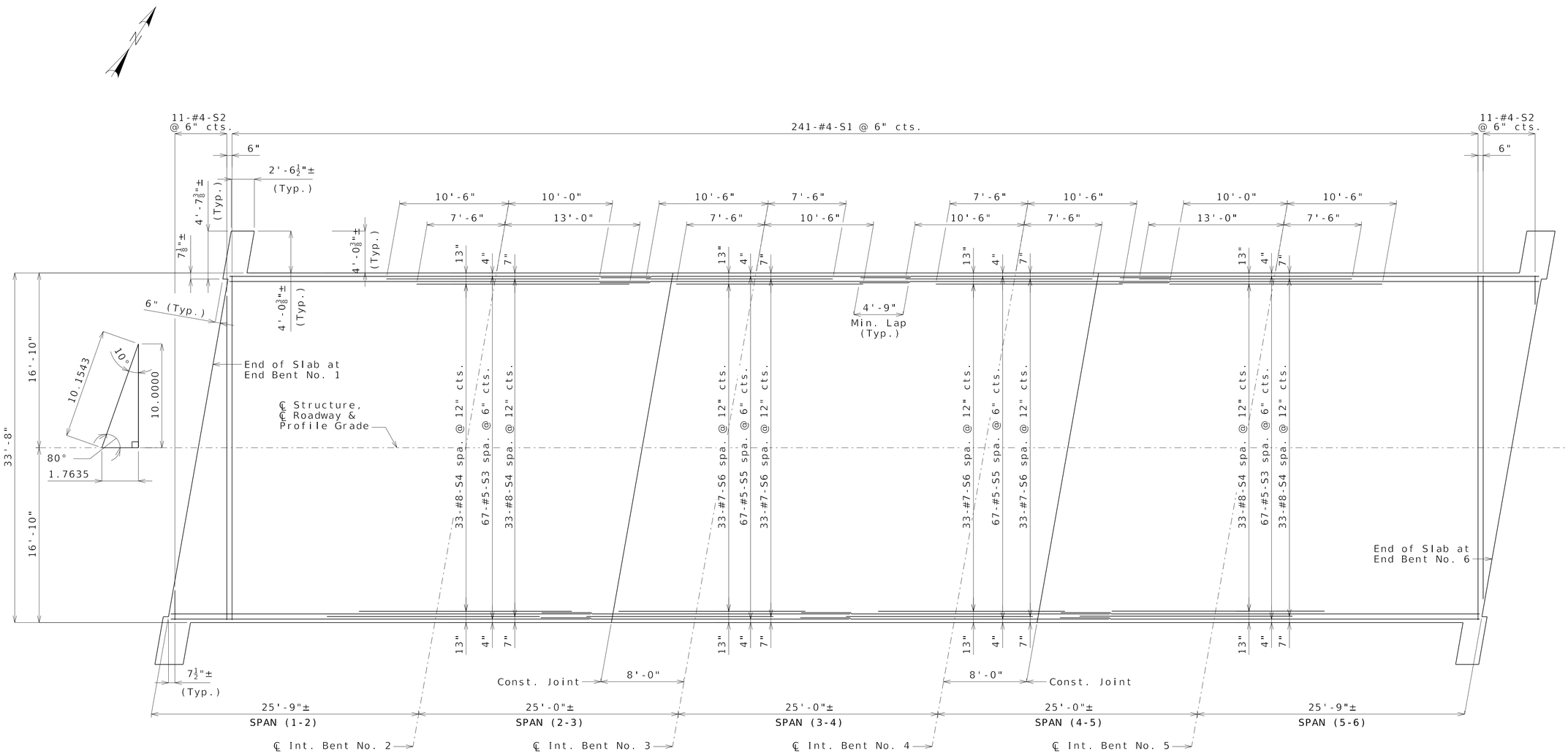
DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 6
COUNTY LACLEDE
JOB NO. JCD0343
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L07533

DESCRIPTION | DATE

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TOP REINFORCEMENT

(Additional reinforcement at end bents not shown for clarity)

SLAB PLAN

Notes:

Longitudinal slab dimensions are measured horizontally.

For End Bent Details, see Sheet No. 4.

For Section Thru Slab, Theoretical Bottom of Slab Elevations, and Camber Diagram, see Sheet No. 6.

For details and locations of Slab Drains, see Sheet No. 9.

For details and reinforcement of Type D Barrier not shown, see Sheets No. 10 & 11.

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED
8/24/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
BR	7

COUNTY
LACLEDE

JOB NO.
JCD0343

CONTRACT ID.

PROJECT NO.

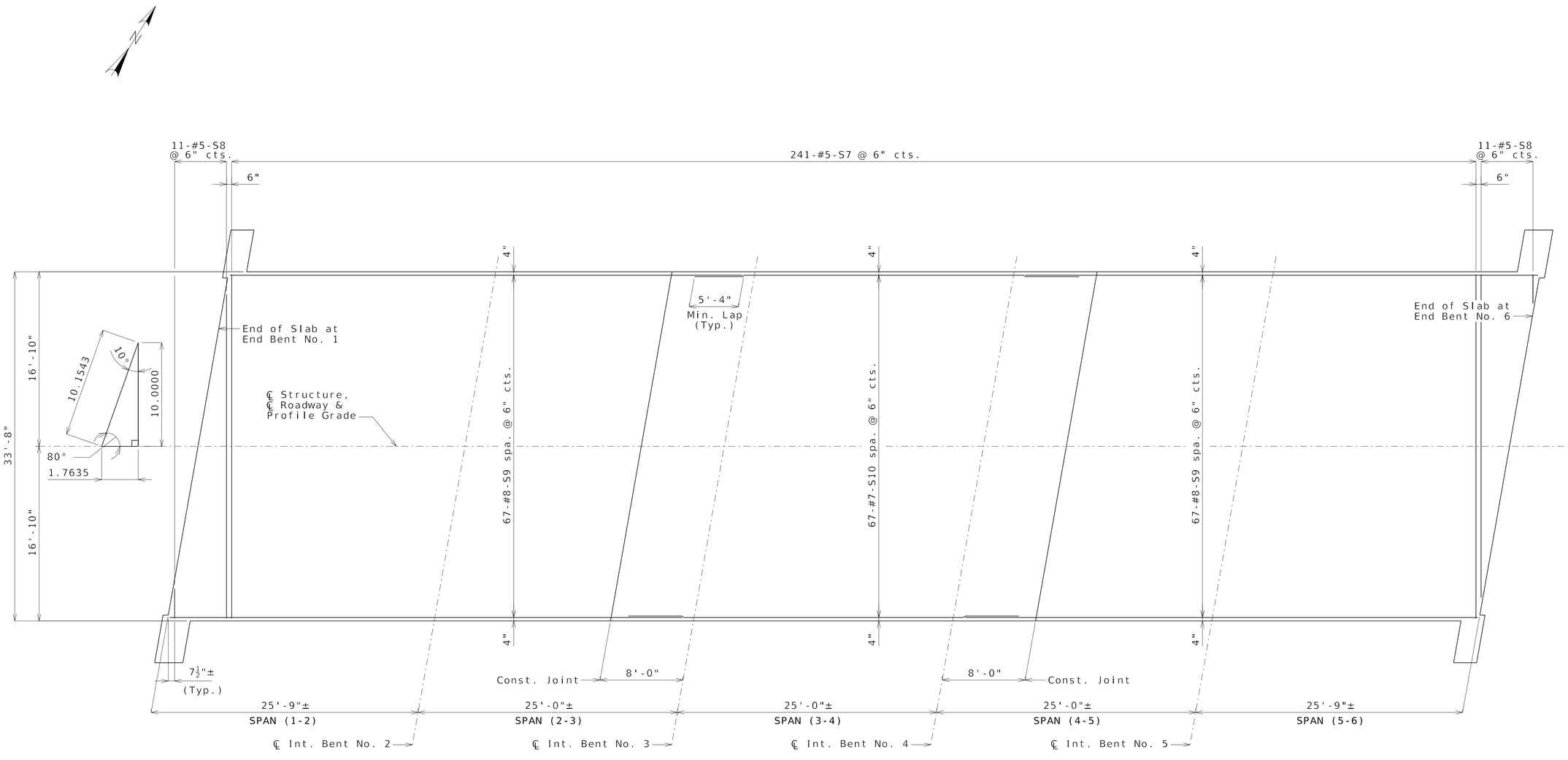
BRIDGE NO.
L07533

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING



BOTTOM REINFORCEMENT

(Additional reinforcement at end bents not shown for clarity)

Note:

Work this sheet with Sheets No. 6 & 7.

SLAB PLAN

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED
8/24/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
BR	8

COUNTY
LACLEDE

JOB NO.
JCD0343

CONTRACT ID.

PROJECT NO.

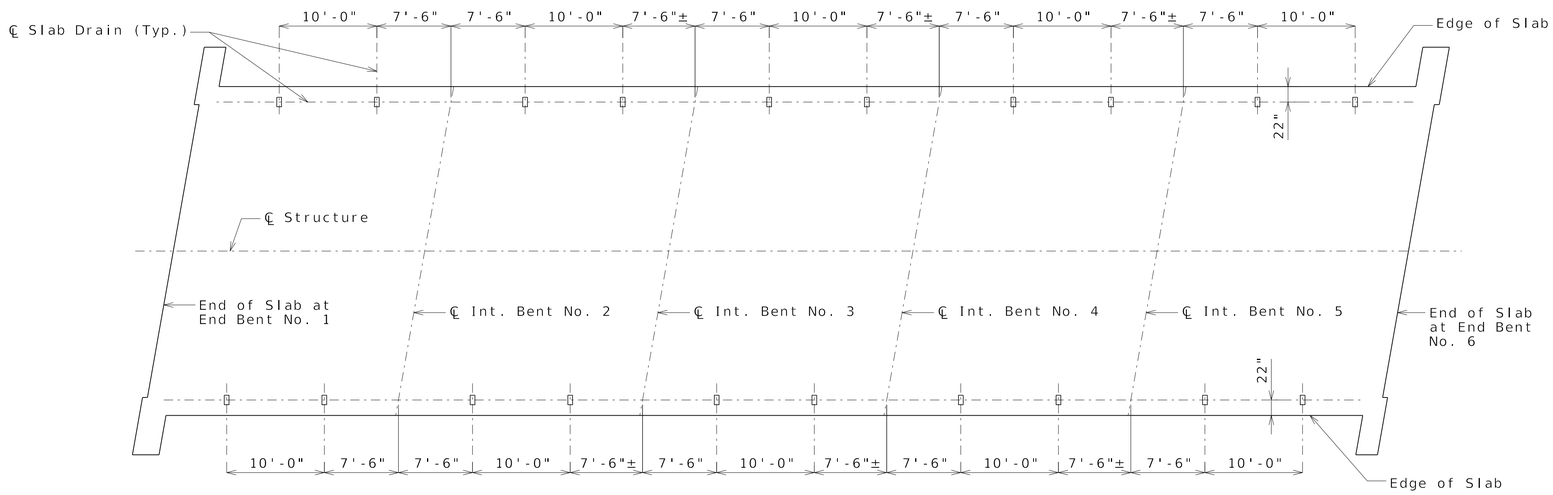
BRIDGE NO.
L07533

DESCRIPTION	DATE

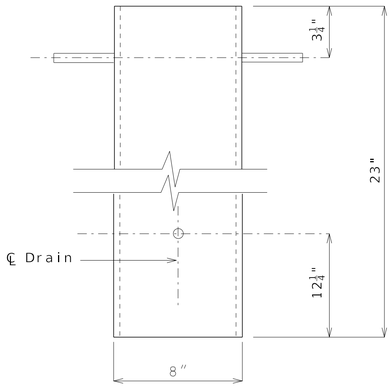
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

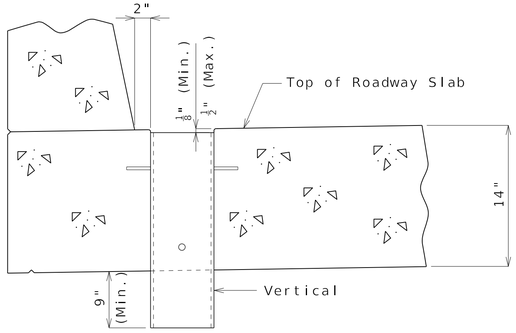
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



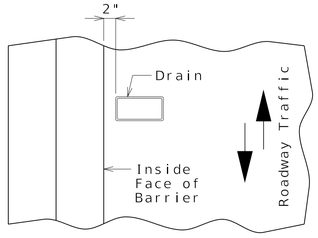
PLAN OF SLAB SHOWING SLAB DRAIN LOCATIONS



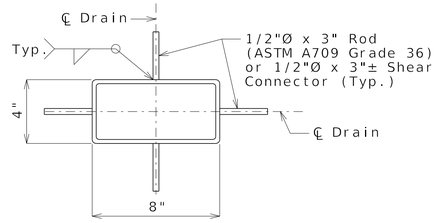
ELEVATION OF DRAIN



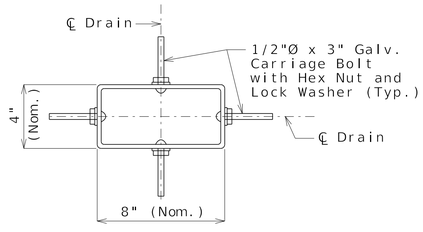
PART SECTION NEAR DRAIN



PART PLAN OF SLAB AT DRAIN



PLAN OF STEEL DRAIN OPTION



PLAN OF FRP DRAIN OPTION

General Notes:

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

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

Reinforcing steel shall be shifted to clear drains.

Shop drawings will not be required for the slab drains.

Notes for Steel Drain:

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

Outside dimensions of drains are 8" x 4".

The drains shall be galvanized in accordance with ASTM A123.

Notes for FRP Drain:

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

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

Minimum reinforced wall thickness shall be 1/4 inch.

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

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

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

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

SLAB DRAINS

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED: 8/24/2026
ROUTE: I-44 | STATE: MO
DISTRICT: BR | SHEET NO.: 9
COUNTY: LACLEDE
JOB NO.: JCD0343
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L07533

DESCRIPTION | DATE

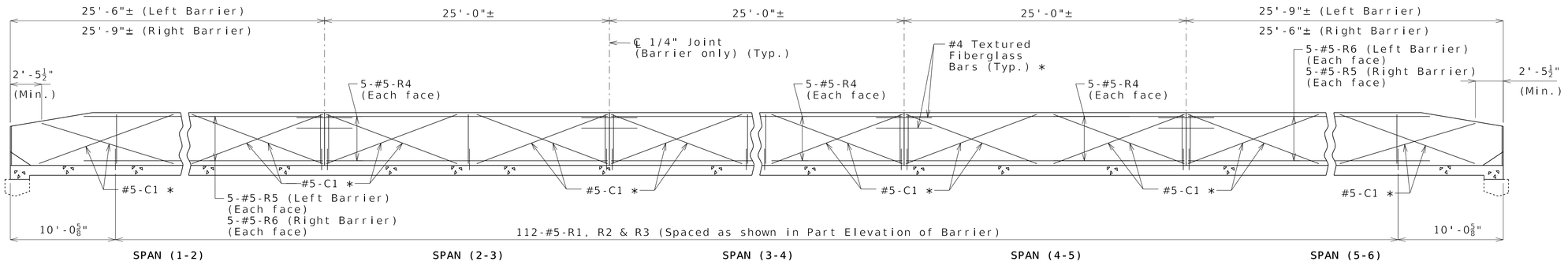
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

Detailed May 2026
Checked June 2026

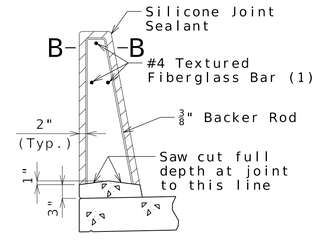
Note: This drawing is not to scale. Follow dimensions.



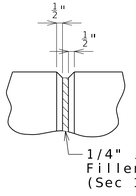
ELEVATION OF BARRIER

(Left barrier shown, right barrier similar except as noted)

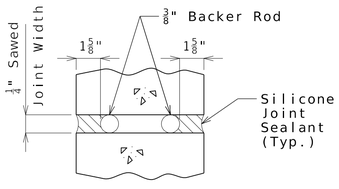
Longitudinal dimensions are horizontal.



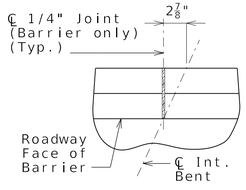
SECTION THRU SAW CUT JOINT



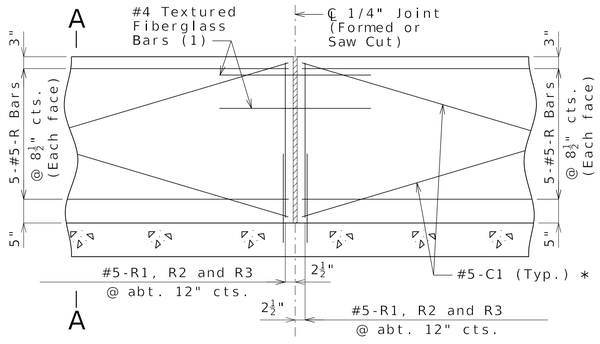
PART ELEVATION AT FORMED JOINT



SECTION B-B

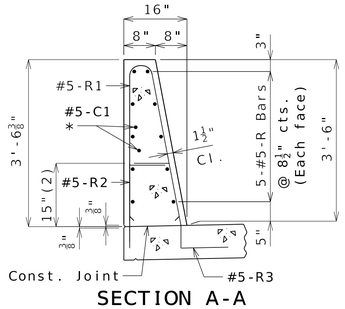


PART PLAN SHOWING JOINT LOCATION



PART ELEVATION OF BARRIER

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

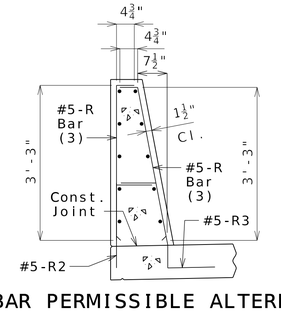


SECTION A-A

Use a minimum lap of 2'-6" for #5 horizontal barrier bars.

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

(2) To top of bar



R-BAR PERMISSIBLE ALTERNATE SHAPE

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

General Notes:

* Slip-formed option only.

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

Top of barrier shall be built parallel to grade and barrier joints normal to grade.

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

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Type D Barrier per linear foot.

Concrete in barrier shall be Class B-1.

Measurement of barrier is to the nearest linear foot for each structure, measured along the outside top of slab from end of slab to end of slab.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

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

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

TYPE D BARRIER

Detailed May 2026
Checked June 2026

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

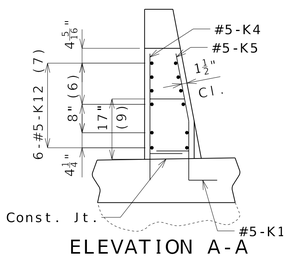
STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED 8/24/2026
ROUTE I-44
STATE MO
DISTRICT BR
SHEET NO. 10
COUNTY LACLEDE
JOB NO. JCD0343
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L07533

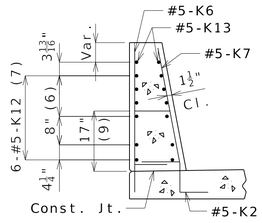
DESCRIPTION
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

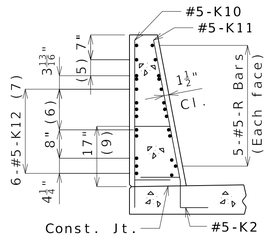
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING



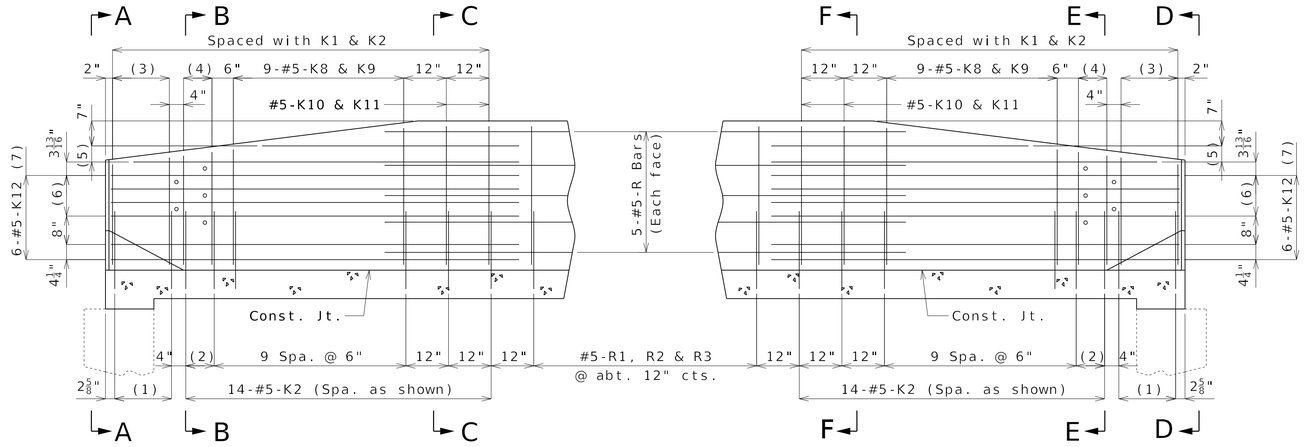
ELEVATION A-A



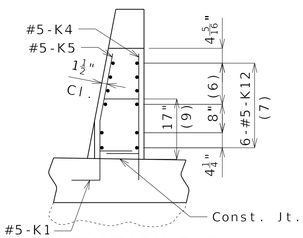
SECTION B-B



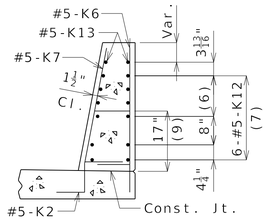
SECTION C-C



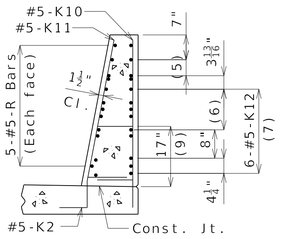
PART ELEVATION



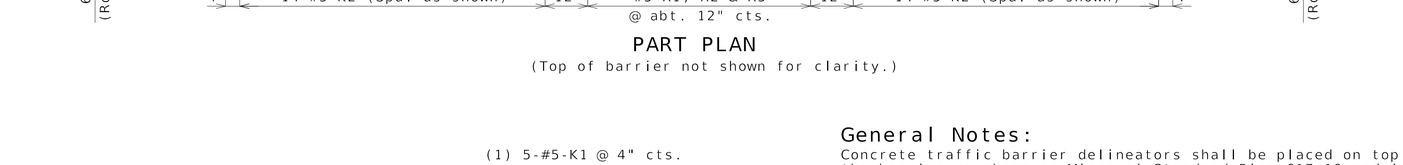
ELEVATION D-D



SECTION E-E

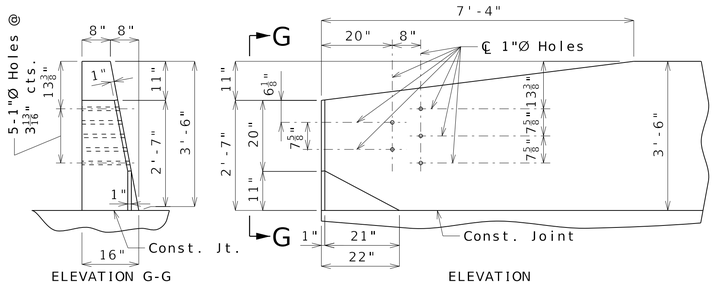


SECTION F-F



PART PLAN

(Top of barrier not shown for clarity.)



DETAILS OF GUARD RAIL ATTACHMENT

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

(1) 5-#5-K1 @ 4" cts.

(2) 2 spaces @ 4"

(3) 5-#5-K4 & K5

(4) 3-#5-K6 & K7

(5) 2-#5-K13 @ 4½" cts., each face

(6) 3 spaces @ 3 13/16"

(7) Spaced as shown, each face

(8) 2-#5-K13 (Roadway face)

(9) To top of bar

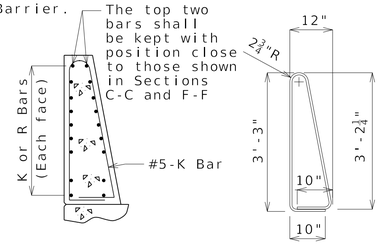
General Notes:

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1½".

Use a minimum lap of 2'-6" between horizontal K bars and R bars.



K10-K11 BAR PERMISSIBLE ALTERNATE SHAPE

(Other K bars not shown for clarity)

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

All dimensions are out to out.

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar)

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

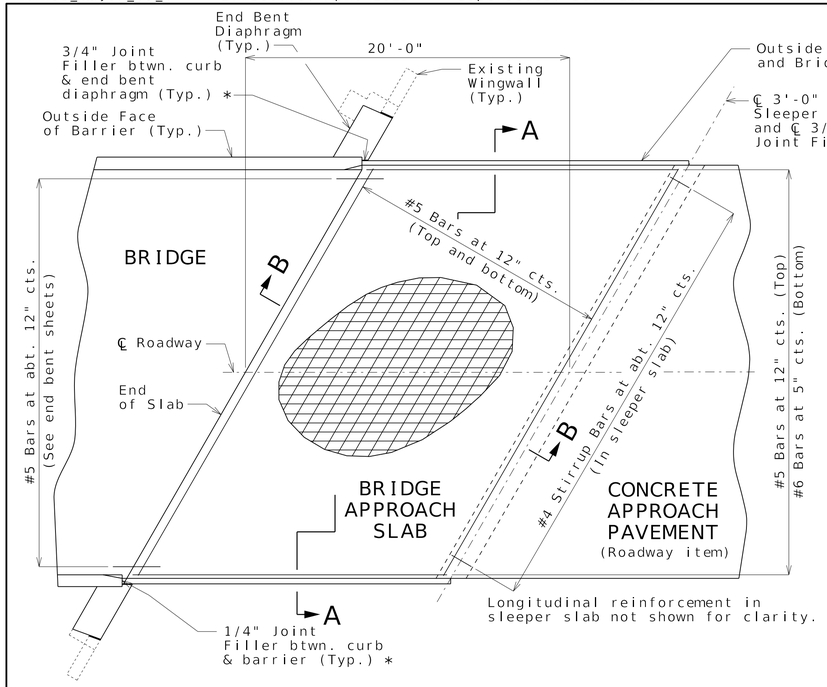
DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 11
COUNTY LACLEDE
JOB NO. JCD0343
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L07533

DESCRIPTION | DATE

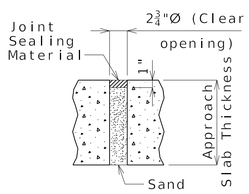
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

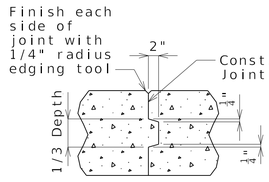


PART PLAN SHOWING REINFORCEMENT



UNDERSEAL ACCESS HOLE DETAIL

(If required)



CONSTRUCTION JOINT DETAIL

General Notes:

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

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

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

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

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 24 inches for #5 bars and 40 inches for #6 bars, or by mechanical bar splice.

Mechanical bar splices shall be in accordance with Sec 710.

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

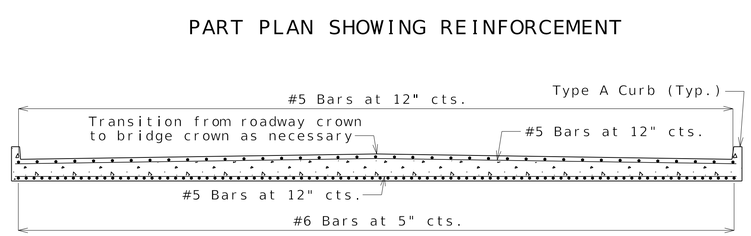
The contractor shall pour and satisfactorily finish the bridge slab before placing the bridge approach slab.

For concrete approach pavement details, see roadway plans.

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

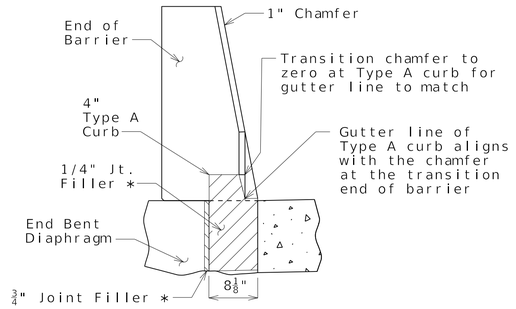
Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

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

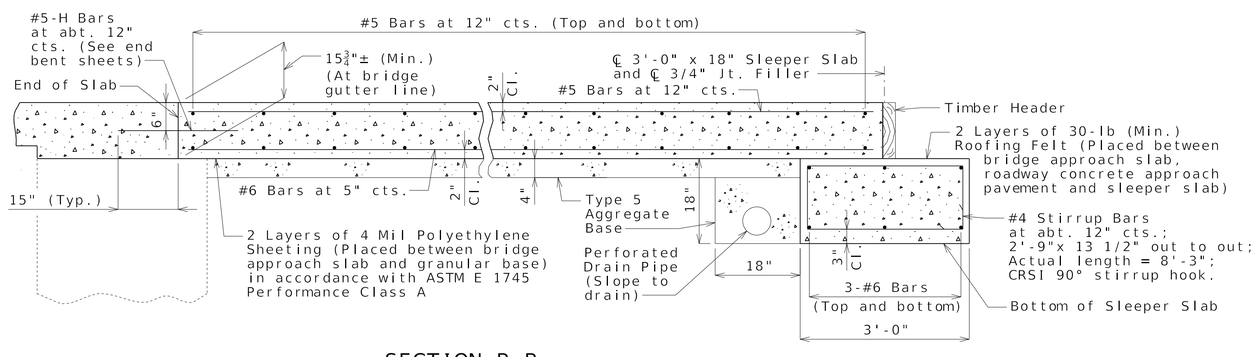


SECTION A-A

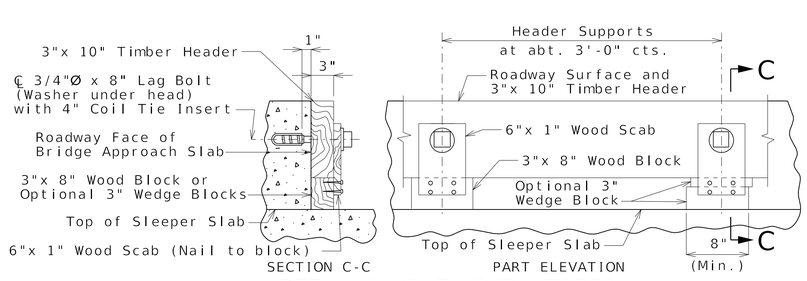
With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.



SECTION BETWEEN CURB AND BARRIER



SECTION B-B



DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.

BRIDGE APPROACH SLAB (MAJOR)

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED 8/24/2026

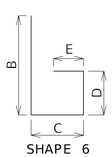
ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
BR	12

COUNTY: LACLEDE
JOB NO.: JCD0343
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L07533

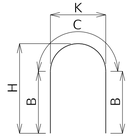
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

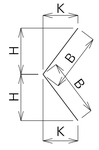
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



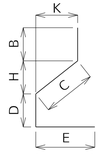
SHAPE 6
or 6S



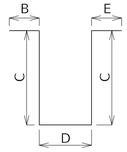
SHAPE 7



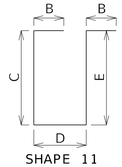
SHAPE 8
or 8S



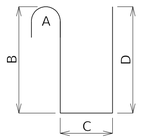
SHAPE 9
or 9S



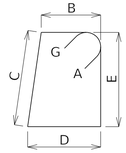
SHAPE 10
or 10S



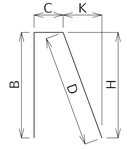
SHAPE 11
or 11S



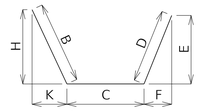
SHAPE 12



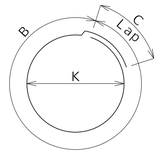
SHAPE 13S



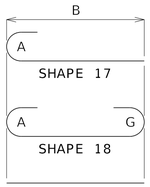
SHAPE 14
or 14S



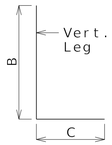
SHAPE 15
or 15S



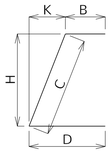
SHAPE 16



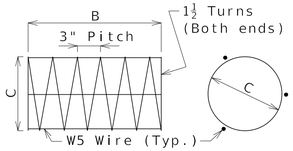
SHAPE 17
SHAPE 18
SHAPE 20



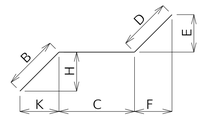
SHAPE 19
or 19S



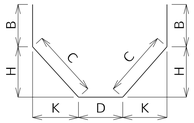
SHAPE 21
or 21S



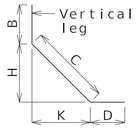
SHAPE 22



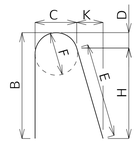
SHAPE 23
or 23S



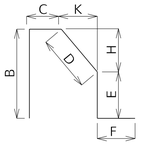
SHAPE 24
or 24S



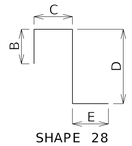
SHAPE 25
or 25S



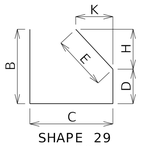
SHAPE 26



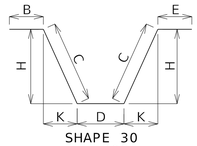
SHAPE 27S



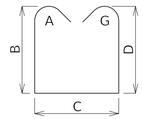
SHAPE 28
or 28S



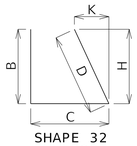
SHAPE 29
or 29S



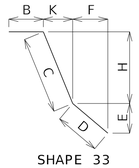
SHAPE 30
or 30S



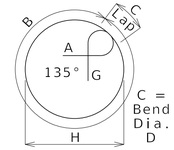
SHAPE 31S



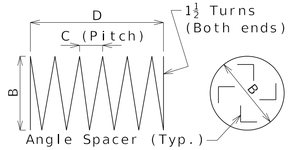
SHAPE 32
or 32S



SHAPE 33
or 33S



SHAPE 34S



SHAPE 35 (1)

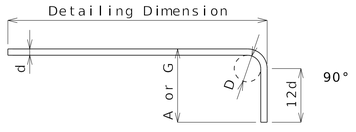


SHAPE 36

Finished Bend Diameters D and Hook Dimensions

Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3¾"	10"	7"	5"
#6	1	4½"	12"	8¼"	6"
#7	2	5¼"	14"	9¾"	7"
	3	7"	15"	11½"	8¾"
#8	2	6"	16"	11"	8"
	3	8"	17"	13¼"	10"
#9	1	9½"	19½"	15½"	11¾"
#10	1	10¾"	22"	17½"	13¼"
#11	1	12"	24½"	19½"	14⅞"
#14	1	18¼"	31¼"	27½"	21⅝"
#18	1	24"	41½"	36¼"	28½"

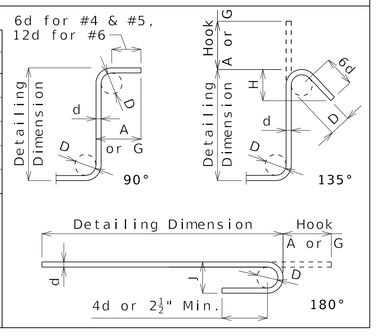


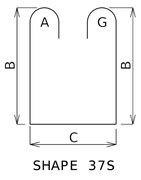
Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G			H	J
			90°	135°	180°	135°	180°
#4	2	2"	4½"	4½"	5"	2⅝"	3"
	3	3"	5"	5¼"	6"	3"	4"
#5	2	2½"	5¾"	5¾"	5¾"	3⅝"	3¾"
	3	3¾"	6¼"	6½"	7"	3⅞"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅝"	6"

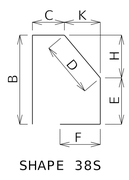
Applicable for all grades of steel.

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





SHAPE 37S



SHAPE 38S

BENDING DIAGRAMS

All dimensions are out to out.

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

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

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

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

Reinforcing Steel Totals (Pounds)

	Size	Substructure		Superstructure			Entire Bridge	
		Plain	Epoxy	Slab	Barrier	Slip Form	Plain	Epoxy
By Size	W5	0	0	0	0	0	0	0
	4	0	0	5,630	0	0	0	5,630
	5	0	0	19,593	6,817	501	0	26,911
	6	0	0	1,064	0	0	0	1,064
	7	0	0	10,266	0	0	0	10,266
	8	0	0	24,697	0	0	0	24,697
By Type		0	0	61,250	6,817	501	0	68,568

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

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Detailed May 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED: 8/24/2026
ROUTE: I-44
STATE: MO
DISTRICT: BR
SHEET NO.: 13
COUNTY: LACLEDE
JOB NO.: JCD0343
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L07533

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		End Bent 1 & 6													
16	6 H100	DIAPHRAGM	E	20		42 1.00							42 1	42 1	1,011
8	6 H101	DIAPHRAGM	E	20		4 5.00							4 5	4 5	53
68	5 H102	DIAPHRAGM	E	20		2 6.00							2 6	2 6	177
48	5 U100	DIAPHRAGM	E	10S			14.00	2 3.00					4 7	4 4	217
68	5 U101	DIAPHRAGM	E	19S		11.00	3 8.00						4 7	4 6	319
68	5 U102	DIAPHRAGM	E	10S			14.00	21.00					4 1	3 10	272
		Slab													
241	4 S1	SLAB	E	20		33 5.00							33 5	33 5	5,380
22	4 S2	SLAB	E	20	2	2 10.00							2 10	2 10	250
		INCR. B = 34"				31 2.00							31 2	31 2	
134	5 S3	SLAB	E	20		40 6.00							40 6	40 6	5,660
132	8 S4	SLAB	E	20		20 6.00							20 6	20 6	7,225
134	5 S5	SLAB	E	20		29 9.00							29 9	29 9	4,158
132	7 S6	SLAB	E	20		18 0.00							18 0	18 0	4,857
241	5 S7	SLAB	E	20		33 5.00							33 5	33 5	8,400
22	5 S8	SLAB	E	20	2	2 10.00							2 10	2 10	390
		INCR. B = 34"				31 2.00							31 2	31 2	
134	8 S9	SLAB	E	20		48 10.00							48 10	48 10	17,472
67	7 S10	SLAB	E	20		39 6.00							39 6	39 6	5,409
		Barrier													
224	5 R1	BARRIER	E	26		3 3.00	5.50	2.25		5.50	3 0.75	6.75	6 8	6 7	1,538
224	5 R2	BARRIER	E	19S		20.50	9.50						2 6	2 5	565
224	5 R3	BARRIER	E	27S			9.50	15.25	5.00	12.00	15.00	3.00	3 6	3 4	779
60	5 R4	BARRIER	E	20		24 8.00							24 8	24 8	1,544
20	5 R5	BARRIER	E	20		18 2.00							18 2	18 2	379
20	5 R6	BARRIER	E	20		18 5.00							18 5	18 5	384
20	5 K1	BARRIER	E	27S		2 4.00	9.25	5.38	22.50	12.00	5.25	1.00	6 5	6 1	127
56	5 K2	BARRIER	E	27S		2 4.00	9.25	17.25	10.00	12.00	17.00	3.25	6 5	6 1	355
20	5 K4	BARRIER	E	19S	4	2 4.25	10.00						3 2	3 1	66
		INCR. B = 0.5"				2 6.25	10.00						3 4	3 3	
20	5 K5	BARRIER	E	29S	4		8.25	9.50	18.50		18.00	4.00	3 0	2 10	61
		INCR. H = 0.5"					8.25	9.50	20.50		20.00	4.50	3 0	3 0	
		INCR. K = 0.125"													
12	5 K6	BARRIER	E	19S		2 6.75	10.00						3 5	3 3	41
12	5 K7	BARRIER	E	21S			2 6.75	10.00			2 6.00	6.25	3 5	3 2	40
36	5 K8	BARRIER	E	19S	4	2 8.50	10.00						3 7	3 5	138
		INCR. B = 0.75"				3 2.50	10.00						4 1	3 11	
36	5 K9	BARRIER	E	21S	4		2 8.50	10.00			2 7.75	6.75	3 6	3 4	135
		INCR. H = 0.75"					3 2.50	10.00			3 1.75	7.75	4 1	3 10	
		INCR. K = 0.125"													
8	5 K10	BARRIER	E	19S		3 3.00	10.00						4 1	4 0	33
8	5 K11	BARRIER	E	21S			3 3.00	10.00			3 2.25	7.75	4 1	3 10	32
48	5 K12	BARRIER	E	20		9 7.00							9 7	9 7	480
16	5 K13	BARRIER	E	20	8	5 10.00							5 10	5 10	122
		INCR. B = 36"				8 10.00							8 10	8 10	
		Slip Form													
40	5 C1	SLIP FORM	E	20		12 0.00							12 0	12 0	501

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb

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

For bending diagrams and steel reinforcing totals, see Sheet No. 13.

Reinforcing steel (ASTM A615 Grade 60) fy = 60,000 psi

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

SH = Required shape, see bending diagrams.

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

Detailed May 2026
Checked June 2026

BILL OF REINFORCING STEEL

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 12:48:48 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 14
COUNTY LACLEDE
JOB NO. JCD0343
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L07533

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DESIGN DESIGNATION

A.A.D.T. - 2027 = 29,735
A.A.D.T. - 2047 = 49,975
T = 29.0%
V = 70 M.P.H.
D = WB 52.0%
D.H.V. = 10%

FUNCTIONAL CLASSIFICATION-INTERSTATE

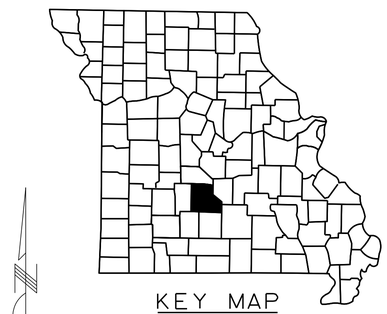
NO NEW RIGHT-OF-WAY REQUIRED.

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
LACLEDE COUNTY

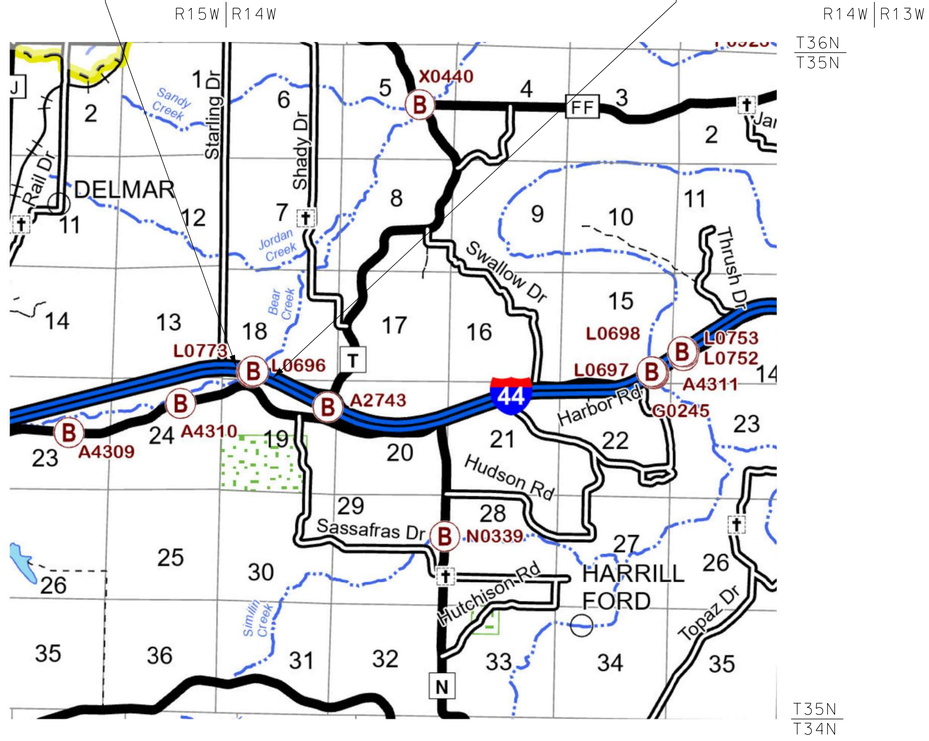


KEY MAP
SHOWING LOCATION OF LACLEDE COUNTY

JOB. NO. JCD0344
REHAB BRIDGE L06962
OVER BEAR CREEK
LENGTH = 0.050 MILE

BEGIN PROJECT
STA 1460+69.67
WB LOG MILE 153.994

END PROJECT
STA 1463+31.17
WB LOG MILE 153.944



DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NOT TO SCALE

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
BRIDGE DRAWINGS (B)	
L06962	1-7

NOTE:
SEE PROJECT JST0119 FOR TRAFFIC CONTROL, EROSION CONTROL, AND ALL OTHER ROADWAY ITEMS INFORMATION.

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 1460+69.67
END OF PROJECT	STA. 1463+31.17
APPARENT LENGTH	262.00± FEET

EQUATIONS AND EXCEPTIONS:
NONE

TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	262.00	FEET
STATE LENGTH	0.050	MILE
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES

STATE OF MISSOURI
WILLIAM G. KRUSSEL
NUMBER E-27561
REGISTERED PROFESSIONAL ENGINEER

09/17/2026 5:31:03 PM
William G. Krussel
MO PE-27561

DATE PREPARED
9/17/2026

ROUTE	STATE
I-44	MO

DISTRICT	SHEET NO.
CD	1

COUNTY
LACLEDE

JOB NO.
JCD0344

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

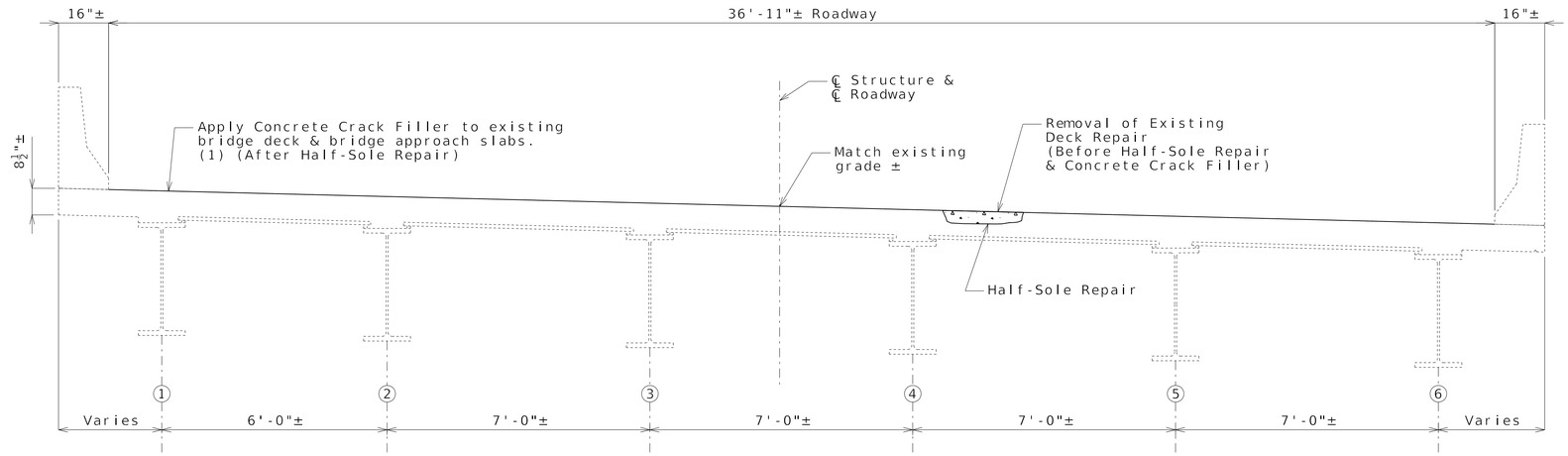
DESCRIPTION	DATE

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

U.I.P., AND REHABILITATE EXISTING (60'- 75'- 60') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS (SKEW: 34°46'37" L.A.)

SEC/SUR 18 TWP 35N RGE 14W



TYPICAL SECTION THRU SLAB

General Notes:

Design Specifications:

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

Design Loading:

H20-44 (1953) (Existing)
HS20-44 (New Construction)
35 lb/sf Future Wearing Surface
Earth - 120 lb/cf, Equivalent Fluid Pressure 45 lb/cf

Design Unit Stresses:

Class B-1 Concrete (Barrier)	f'c = 4,000 psi
Class B-2 Concrete (Half-Sole Repair, End Bents & Superstructure, except Barrier)	f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60)	fy = 60,000 psi

Joint Filler:

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

Reinforcing Steel:

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

Miscellaneous:

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

Protective coating for concrete bents and piers (Epoxy) shall be applied as shown on the bridge plans and in accordance with Sec 711.

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.

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

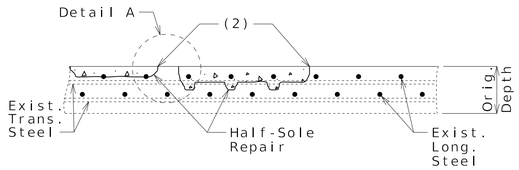
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

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

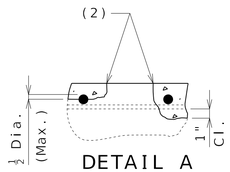
The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.

Traffic Handling:

Structure to be closed during construction. See roadway plans for traffic control.



HALF-SOLE REPAIR



DETAIL A

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

(1) Estimated area of bridge approach slabs to be coated with Concrete Crack Filler is included in this quantity. See special provisions.

(2) 1" vertical side shall be established outside the deteriorated area.

Estimated Quantities

	Item		Total
*	Removal of Existing Deck Repair	sq. foot	50
	Removal of Existing Expansion Joint & Adjacent Concrete	linear foot	48
	Remove and Replace Barrier Curb	linear foot	10
	Class B-2 Concrete	cu. yard	22.8
	Substructure Repair (Unformed)	sq. foot	10
*	Half-Sole Repair	sq. foot	100
*	Concrete Crack Filler	sq. yard	1,090
	Reinforcing Steel (Epoxy Coated)	pound	3,660
	Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
	Surface Preparation for Applying Epoxy-Mastic Primer	lump sum	1
	Gray Epoxy-Mastic Primer	lump sum	1
	Open Cell Foam Joint Seal	linear foot	48

* Includes bridge approach slabs

REPAIRS TO BRIDGE: ROUTE I-44 WB OVER BEAR CREEK

ROUTE I-44 WB FROM ROUTE T TO ROUTE F
ABOUT 0.8 MILE WEST OF ROUTE T
BEGINNING STATION 1461+01.09± (MATCH EXISTING)

Detailed June 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 1:39:33 PM
Osman Mohammed
MO PE-2021003145

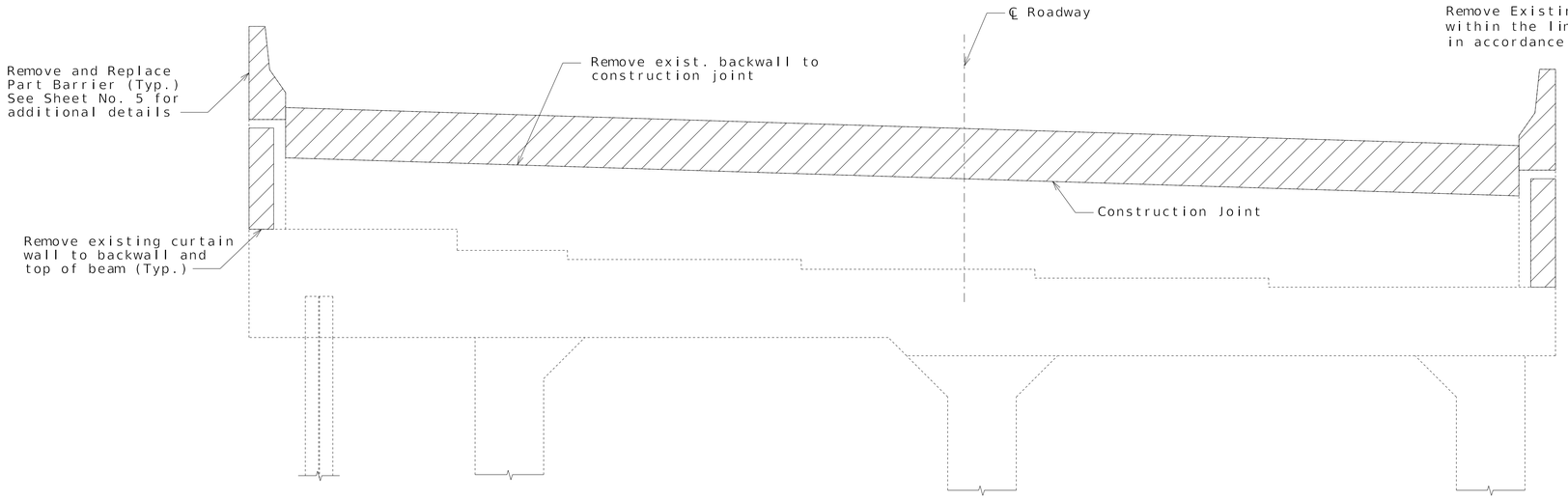
DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY LACLEDE
JOB NO. JCD0344
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L06962

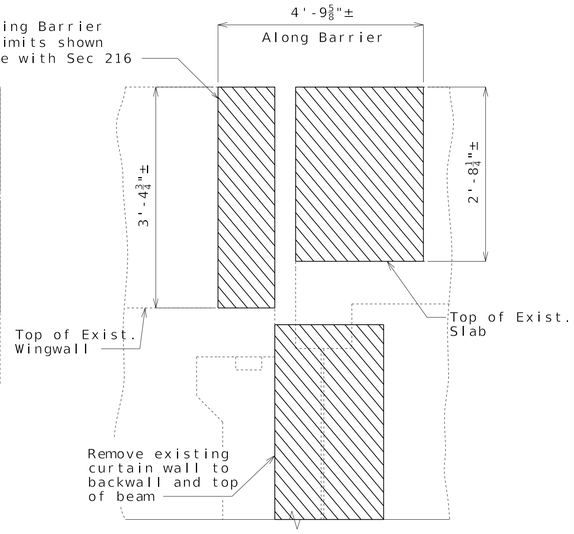
DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING





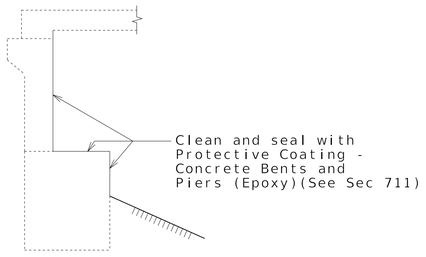
DETAILS OF CONCRETE REMOVAL AT END BENT NO. 4

The cost of concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete unless noted otherwise. Vertical backwall and wingwall reinforcement to be cut off one inch below concrete removal surface and the resulting holes shall be filled with a qualified special mortar.

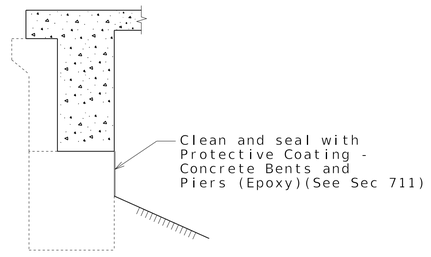
The cost of barrier removal will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb per linear foot.

A smooth, level surface shall be provided at End Bent No. 4 removal lines.

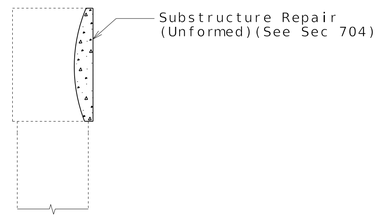
PART ELEVATION SHOWING BARRIER REMOVAL AT END BENT NO. 4



TYPICAL SECTION THRU END BENT NO. 1 SHOWING PROTECTIVE COATING



TYPICAL SECTION THRU END BENT NO. 4 SHOWING PROTECTIVE COATING



SUBSTRUCTURE REPAIR DETAILS AT SOUTH EDGE OF INT. BENT NO. 3

The cost of repairs as shown will be considered completely covered by the contract unit price for Substructure Repairs (Unformed).

Shotcrete shall be used for all Substructure Repairs (Unformed). See Job Special Provisions.

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 1:40:44 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED
8/24/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
BR	2

COUNTY
LACLEDE

JOB NO.
JCD0344

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
L06962

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

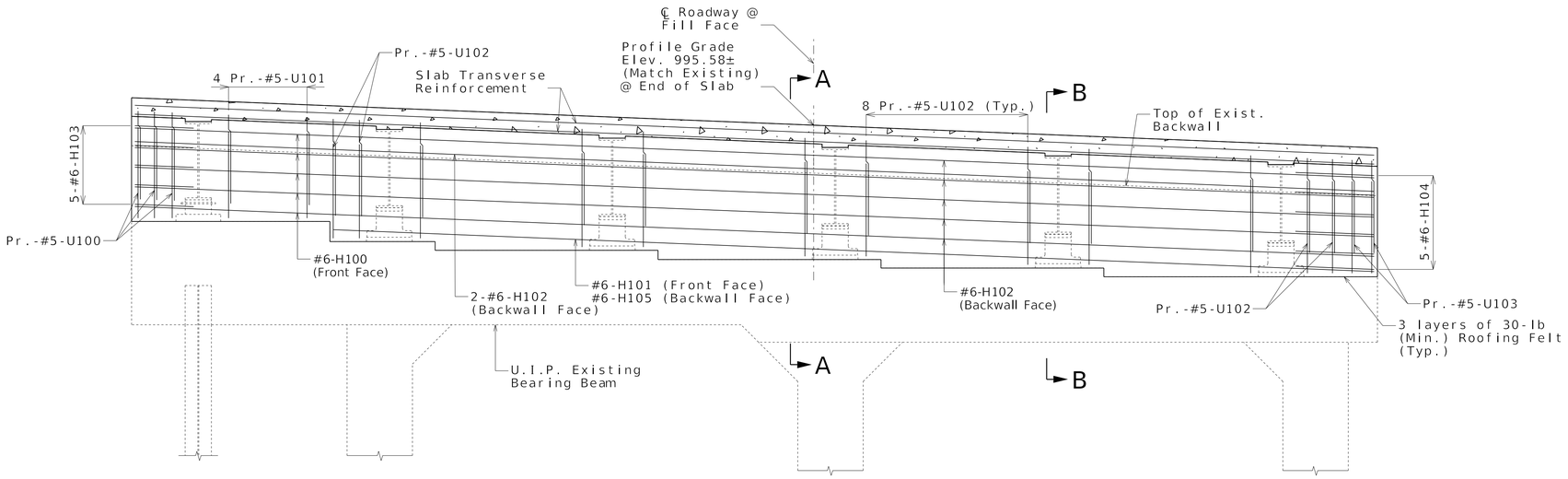
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

Detailed June 2026
Checked June 2026

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

c:\bms\wsp-us-pw-02\d1235137\B_L06962_002_JCD0344_Removals.dgn 4:10:13 PM 8/24/2026



SECTION NEAR END BENT NO. 4

(Existing steel end diaphragm not shown for clarity (U.I.P.))
(Barrier and Longitudinal Slab Reinforcement not shown for clarity.)

Notes:

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

All reinforcement in the end bent diaphragm will be considered completely covered by the contract unit price for Reinforcing Steel (Epoxy Coated).

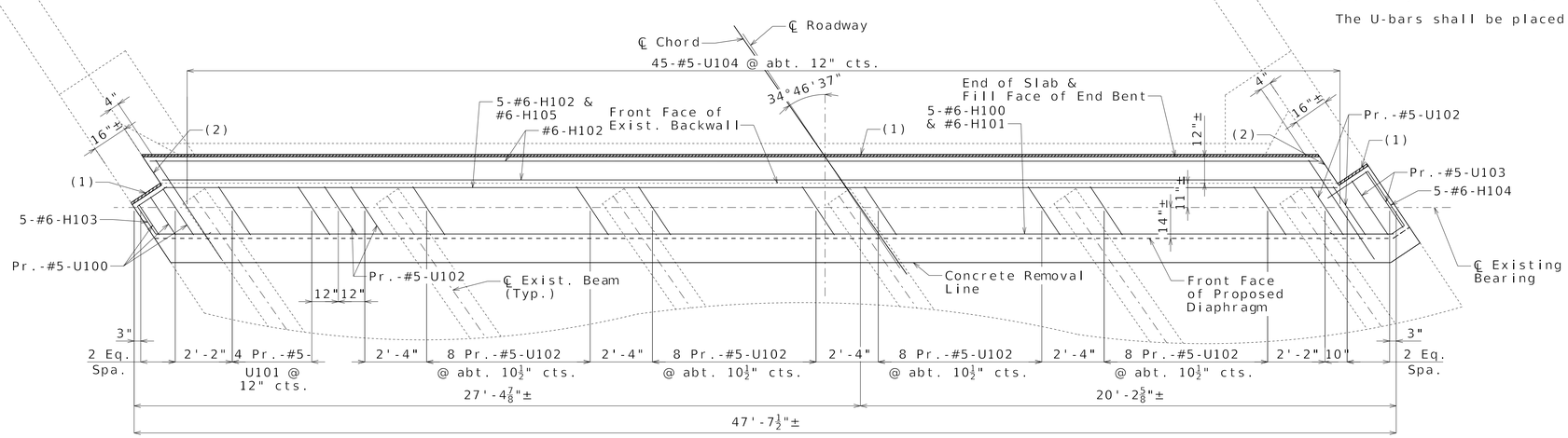
For Sections A-A and B-B, see Sheet No. 4.

For details and reinforcement of slab and barrier, see Sheet No. 5.

(1) 1" Preformed Flexible Foam Expansion Joint Filler

(2) 3 Layers of 30-lb (Min.) Roofing Felt

The U-bars shall be placed parallel to centerline chord.



PART PLAN

DETAILS OF END BENT NO. 4

Detailed June 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 1:42:36 PM
Osman Mohammed
MO PE-2021003145

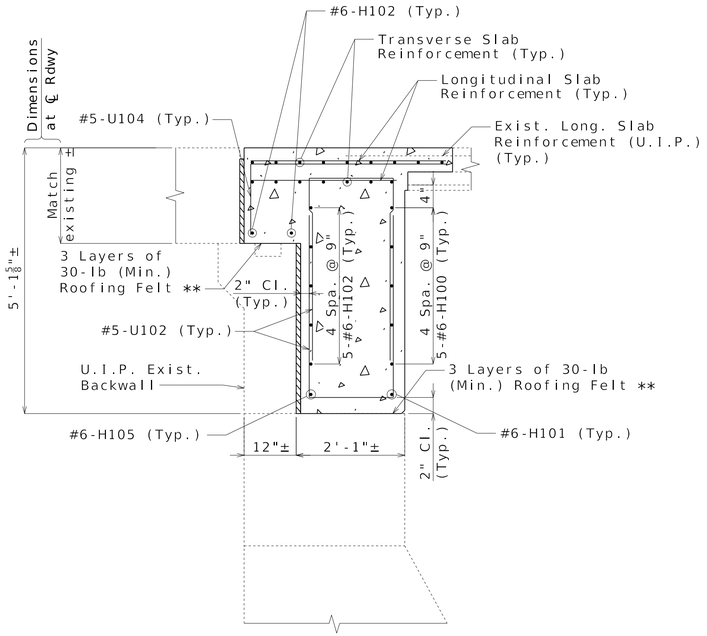
DATE PREPARED 8/24/2026
ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 3
COUNTY LACLEDE
JOB NO. JCD0344
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L06962

DESCRIPTION | DATE

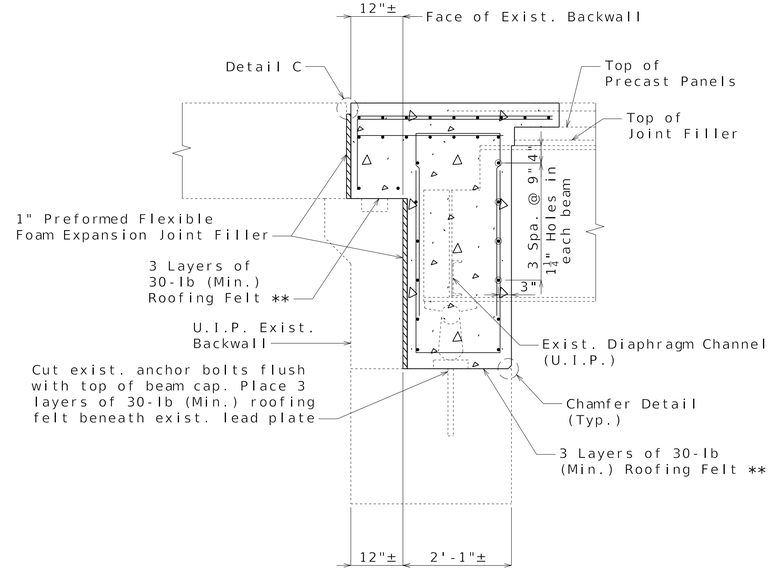
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

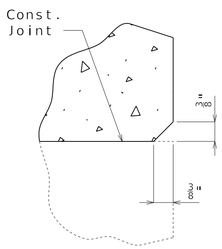


SECTION A-A

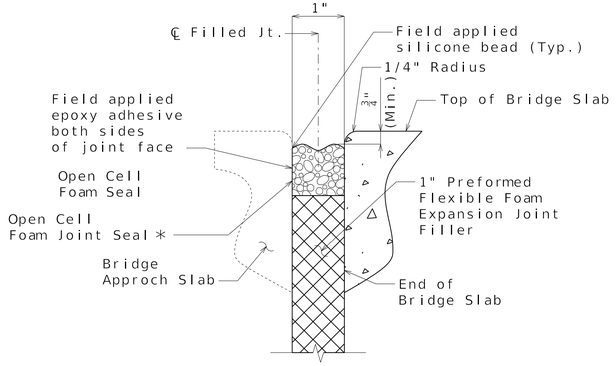


SECTION B-B

** Entire length of diaphragm



CHAMFER DETAIL



DETAIL C

* Manufacturer's recommended depth
Extend seal full width between wingwalls.

Notes:

The exposed and accessible surfaces of the existing structural steel and bearings that will be encased in concrete shall be cleaned with 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 in concrete will be considered completely covered by the contract unit price for Class B-2 Concrete.

The existing structural steel and bearings at End Bent No. 1 shall be cleaned with 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. The surface preparation and coating for structural steel shall extend a minimum of five foot from end of the beams. Payment for cleaning will be considered completely covered by the contract lump sum price for Surface Preparation for Applying Epoxy-Mastic Primer. Payment for coating structural steel and bearings will be considered completely covered by the contract lump sum price for Gray Epoxy-Mastic Primer.

The H100 bars are segmented for ease of placement through beam web holes. The total bar length for H100 bars shown in Bill of Reinforcing Steel allows for one lap splice with the 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 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 Reinforcing Steel (Epoxy Coated). No adjustment of the quantity of reinforcing steel will be allowed for the use of mechanical bar splices.

Work this sheet with Sheets No. 3 & 5.

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.

Cost of cutting existing anchor bolts, lifting bearings and placing roofing felt will be considered completely covered by the contract unit price for Class B-2 Concrete.

Roofing felt shall be placed so that it extends from outside of bearing to under bearing in continuous or overlapping sheets.

The open cell foam joint seal shall be installed according to the manufacturer's recommendations.

Any removals and incidentals to install open cell foam joint seal, complete in place, will be considered completely covered by the contract unit price for Open Cell Foam Joint Seal.

END BENT NO. 4 DETAILS

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 1:43:20 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED: 8/24/2026
ROUTE: I-44 | STATE: MO
DISTRICT: BR | SHEET NO.: 4
COUNTY: LACLEDE
JOB NO.: JCD0344
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L06962

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

Notes:

Existing transverse reinforcement that is exposed with the concrete removal shall be stripped, cleaned and re-used in the new concrete in accordance with Sec 216.

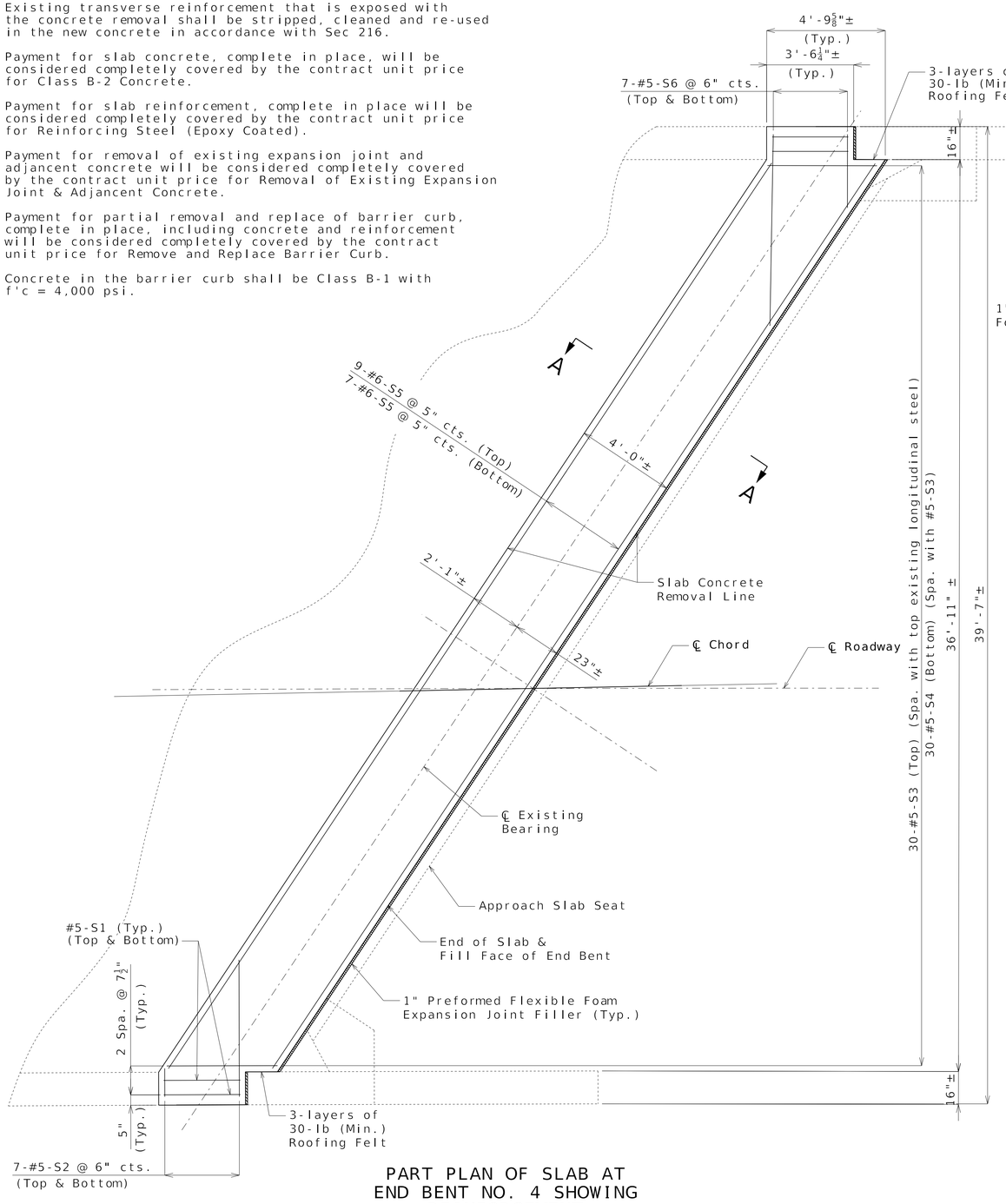
Payment for slab concrete, complete in place, will be considered completely covered by the contract unit price for Class B-2 Concrete.

Payment for slab reinforcement, complete in place will be considered completely covered by the contract unit price for Reinforcing Steel (Epoxy Coated).

Payment for removal of existing expansion joint and adjacent concrete will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint & Adjacent Concrete.

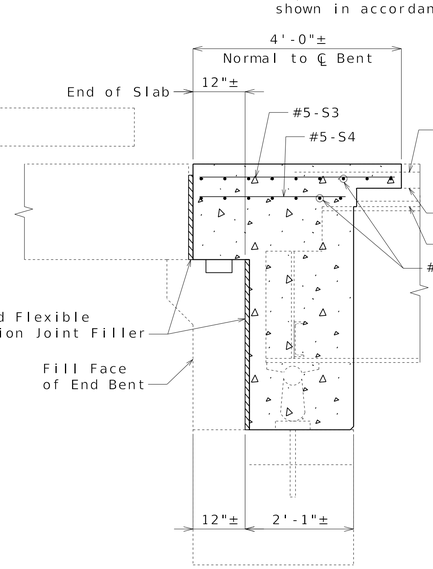
Payment for partial removal and replace of barrier curb, complete in place, including concrete and reinforcement will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb.

Concrete in the barrier curb shall be Class B-1 with f'c = 4,000 psi.

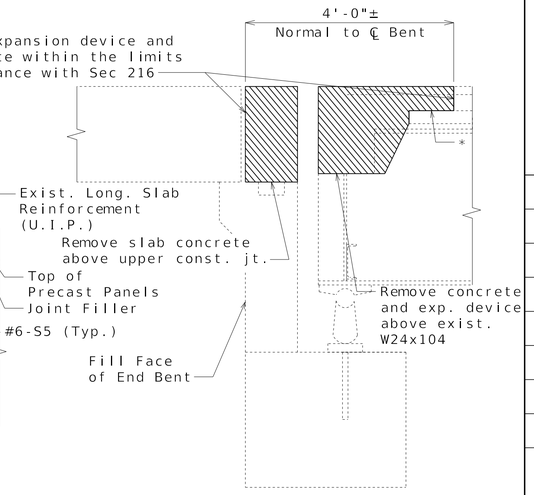


PART PLAN OF SLAB AT END BENT NO. 4 SHOWING REINFORCEMENT

Note: Existing slab reinforcement (U.I.P.) not shown for clarity.



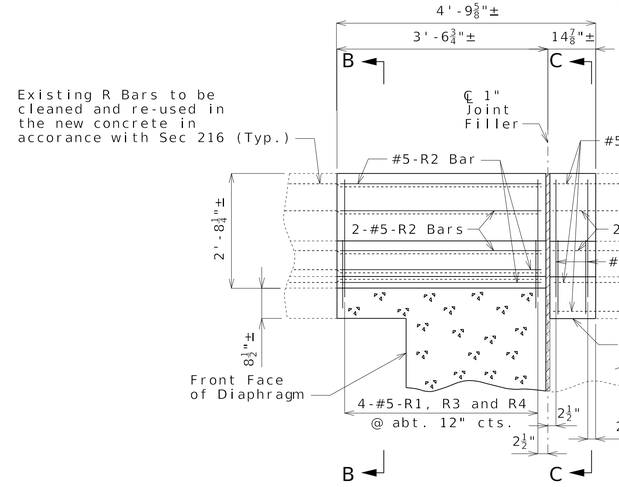
SECTION A-A



PART SECTION THRU END BENT NO.4 SHOWING REMOVAL

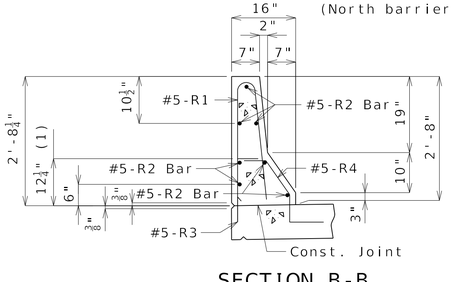
* Care shall be taken to avoid damaging the exisitng precast panels (U.I.P.)

Note: All existing Pc.W24x104, Pc.C15x33.9 and W14x43 shall be removed. Removal will be considered completely covered by the contract unit price for Removal of Existing Expansion Joint and Adjacent Concrete.



PART ELEVATION OF SOUTH BARRIER

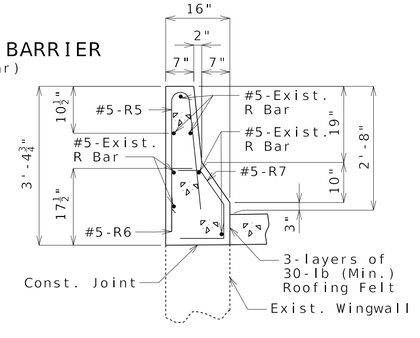
(North barrier similar)



SECTION B-B

(1) To top of bar

Existing R Bars not shown for clarity.



SECTION C-C

DETAILS OF SLAB & BARRIER REPLACEMENT AT END BENT NO. 4

Detailed June 2026
Checked June 2026

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

Sheet No. 5 of 7

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER
08/25/2026 2:54:08 PM
Osman Mohammed
MO PE-2021003145

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

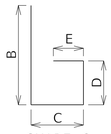
211 N. BROADWAY,
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

DATE PREPARED: 8/24/2026
ROUTE: I-44 | STATE: MO
DISTRICT: BR | SHEET NO.: 5
COUNTY: LACLEDE
JOB NO.: JCD0344
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: L06962

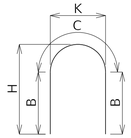
DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

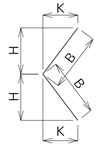
c:\bms\wsp-us-pw-02\d1235137\B_L06962_005_JCD0344_Slab&BarrierDetails.dgn 4:12:49 PM 8/24/2026



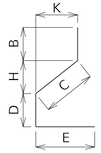
SHAPE 6
or 6S



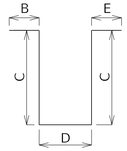
SHAPE 7



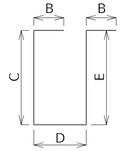
SHAPE 8
or 8S



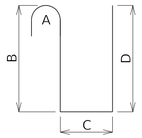
SHAPE 9
or 9S



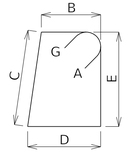
SHAPE 10
or 10S



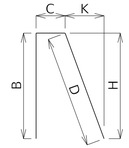
SHAPE 11
or 11S



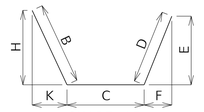
SHAPE 12



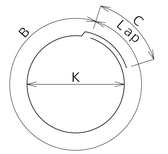
SHAPE 13S



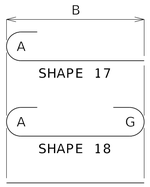
SHAPE 14
or 14S



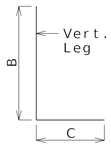
SHAPE 15
or 15S



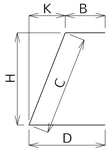
SHAPE 16



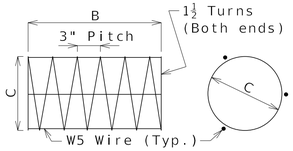
SHAPE 17
SHAPE 18
SHAPE 20



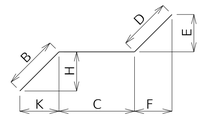
SHAPE 19
or 19S



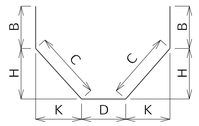
SHAPE 21
or 21S



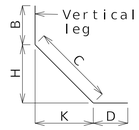
SHAPE 22



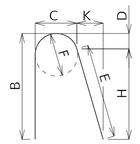
SHAPE 23
or 23S



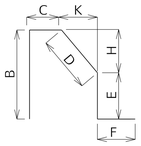
SHAPE 24
or 24S



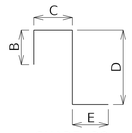
SHAPE 25
or 25S



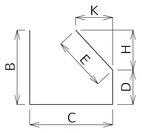
SHAPE 26



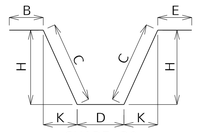
SHAPE 27S



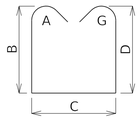
SHAPE 28
or 28S



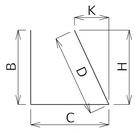
SHAPE 29
or 29S



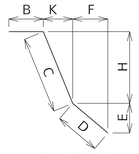
SHAPE 30
or 30S



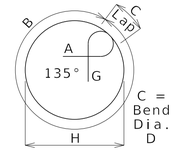
SHAPE 31S



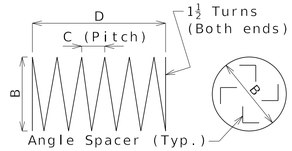
SHAPE 32
or 32S



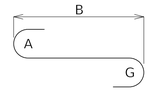
SHAPE 33
or 33S



SHAPE 34S



SHAPE 35 (1)

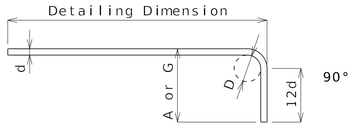


SHAPE 36

Finished Bend Diameters D and Hook Dimensions

Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3¾"	10"	7"	5"
#6	1	4½"	12"	8¼"	6"
#7	2	5¼"	14"	9¾"	7"
	3	7"	15"	11½"	8¾"
#8	2	6"	16"	11"	8"
	3	8"	17"	13¼"	10"
#9	1	9½"	19½"	15½"	11¾"
#10	1	10¾"	22"	17½"	13¼"
#11	1	12"	24½"	19½"	14⅞"
#14	1	18¼"	31¼"	27½"	21⅝"
#18	1	24"	41½"	36¾"	28½"

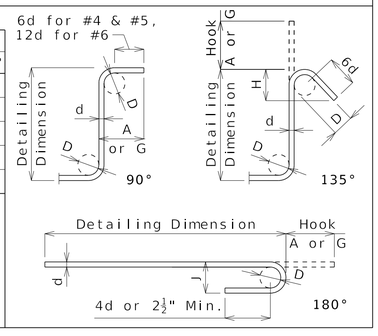


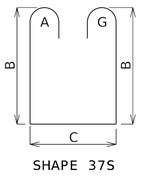
Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G			H	J
			90°	135°	180°	135°	180°
#4	2	2"	4½"	4½"	5"	2⅝"	3"
	3	3"	5"	5¼"	6"	3"	4"
#5	2	2½"	5¾"	5¾"	5¾"	3⅝"	3¾"
	3	3¾"	6¼"	6½"	7"	3⅞"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅝"	6"

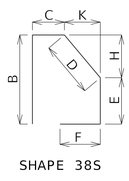
Applicable for all grades of steel.

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





SHAPE 37S



SHAPE 38S

BENDING DIAGRAMS

All dimensions are out to out.

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

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

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

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

Reinforcing Steel Totals (Pounds)

	Size	Substructure		Superstructure			Entire Bridge	
		Plain	Epoxy	Slab	Barrier	Slip Form	Plain	Epoxy
By Size	W5	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0
	5	0	0	1,549	158	0	0	1,707
	6	0	0	2,109	0	0	0	2,109
	7	0	0	0	0	0	0	0
By Type		0	0	3,658	158	0	0	3,816

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

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Detailed June 2026
Checked June 2026

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 1:49:20 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED
8/24/2026

ROUTE	STATE
I-44	MO
DISTRICT	SHEET NO.
BR	6

COUNTY
LACLEDE

JOB NO.
JCD0344

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
L06962

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb
		End Bent No.4													
10	6 H100	DIAPHRAGM	E	20		25 8.00							25 8	25 8	386
1	6 H101	DIAPHRAGM	E	20		39 9.00							39 9	39 9	60
7	6 H102	DIAPHRAGM	E	20		44 1.00							44 1	44 1	464
5	6 H103	DIAPHRAGM	E	14S		16.00	15.00	2 0.00			20.00	13.25	4 7	4 4	33
5	6 H104	DIAPHRAGM	E	29S		22.00	2 5.00	6.00	2 3.00		22.38	15.00	7 0	6 8	51
1	6 H105	DIAPHRAGM	E	20		37 7.00							37 7	37 7	57
6	5 U100	DIAPHRAGM	E	10S	2		3 6.00	16.50					8 5	8 2	52
		INCR. D = 4.25"						2 1.00							
8	5 U101	DIAPHRAGM	E	10S			3 6.00	2 2.00					9 2	8 11	75
72	5 U102	DIAPHRAGM	E	10S			3 9.00	2 2.00					9 8	9 5	708
4	5 U103	DIAPHRAGM	E	10S	2		3 7.00	2 5.50					9 7	9 5	40
		INCR. D = 1.00"						2 6.50							
45	5 U104	DIAPHRAGM	E	19S		19.00	4 5.00						6 0	5 11	278
		Slab													
8	5 S1	SLAB	E	20		3 3.00							3 3	3 3	28
14	5 S2	SLAB	E	20	2	13.00							13	13	49
		INCR. D = 8.83"				5 6.00							5 6	5 6	
30	5 S3	SLAB	E	20		4 5.00							4 5	4 5	139
30	5 S4	SLAB	E	20		3 3.00							3 3	3 3	102
16	6 S5	SLAB	E	20		44 0.00							44 0	44 0	1,058
14	5 S6	SLAB	E	20	2	2 11.00							2 11	2 11	78
		INCR. D = 9.66"				7 9.00							7 9	7 9	
		Barrier													
8	5 R1	BARRIER	E	26		2 5.00	4.00	1.75		4.00	2 3.25	3.00	4 11	4 10	41
14	5 R2	BARRIER	E	20		3 3.00							3 3	3 3	48
8	5 R3	BARRIER	E	19S		17.75	5.75						2 0	22	16
8	5 R4	BARRIER	E	27S			5.75		7.75	12.00	9.50	6.75	2 2	2 0	17
4	5 R5	BARRIER	E	26		2 5.00	4.00	1.75		4.00	2 3.25	3.00	4 11	4 10	21
4	5 R6	BARRIER	E	19S		16.00	5.75						22	20	7
4	5 R7	BARRIER	E	38S			5.75		6.50	12.00	9.50	6.75	2 0	22	8

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.	Nom. Length ft in.	Actual Length ft in.	Weight lb

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

For bending diagrams and steel reinforcing totals, see Sheet No. 6.

Reinforcing steel (ASTM A615 Grade 60) fy = 60,000 psi

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

SH = Required shape, see bending diagrams.

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

Detailed June 2026
Checked June 2026

BILL OF REINFORCING STEEL

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

STATE OF MISSOURI
OSMAN MOHAMMED
NUMBER PE-2021003145
PROFESSIONAL ENGINEER

08/25/2026 1:49:46 PM
Osman Mohammed
MO PE-2021003145

DATE PREPARED
8/24/2026

ROUTE I-44 | STATE MO
DISTRICT BR | SHEET NO. 7
COUNTY LACLEDE
JOB NO. JCD0344
CONTRACT ID.
PROJECT NO.
BRIDGE NO. L06962

DESCRIPTION | DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

211 N. BROADWAY.
SUITE 2800
ST. LOUIS, MO 63102
CERTIFICATE OF AUTHORITY
NO. 001444 ENGINEERING

c:\bms\wsp-us-pw-02\d1235137\B_L06962_007_JCD0344_BOR 02.dgn 4:14:34 PM 8/24/2026