MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CEDAR / POLK COUNTY

DESIGN DESIGNATION

ROUTE 32 (RTE CC - RTE 39)
A.A.D.T. (2024) = 1,510
A.A.D.T. (2044) = 2,244
DHV = 10%
T = 8.8%
V = 55 MPH
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

ROUTE 32 (AT RTE 245)
A.A.D.T. (2024) = 2,888
A.A.D.T. (2044) = 4,291
DHV = 10%
T = 5.9%
V = 55 MPH (POSTED)
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

ROUTE 32 (RTE 123 - RTE 13)
A.A.D.T. (2024) = 5,461
A.A.D.T. (2044) = 8,114
DHV = 10%
T = 7.3%
V = 55 MPH (POSTED)
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

PARTIAL CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A PARTIAL CONTROLLED ACCESS HIGHWAY, EXCEPT AT LOCATIONS AND AS OTHERWISE SPECIFICALLY SHOWN ON THESE PLANS. NO ABUTTER'S RIGHTS IN OR OF DIRECT ACCESS TO, FROM, OR ACROSS THE HIGHWAY OR ITS RIGHT-OF-WAY SHALL ATTACH OR BELONG TO ANY PROPERTY ABUTTING ON SAID SECTION OF HIGHWAY, OR TO ANY PERSON MERELY BECAUSE OF OWNERSHIP OF SUCH ABUTTING PROPERTY WHERE THE SYMBOL SHOWN BELOW IS SHOWN ON THE RIGHT-OF-WAY LINE.

BEGINNING AND ENDING OF CONTROLLED ACCESS

NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES.

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

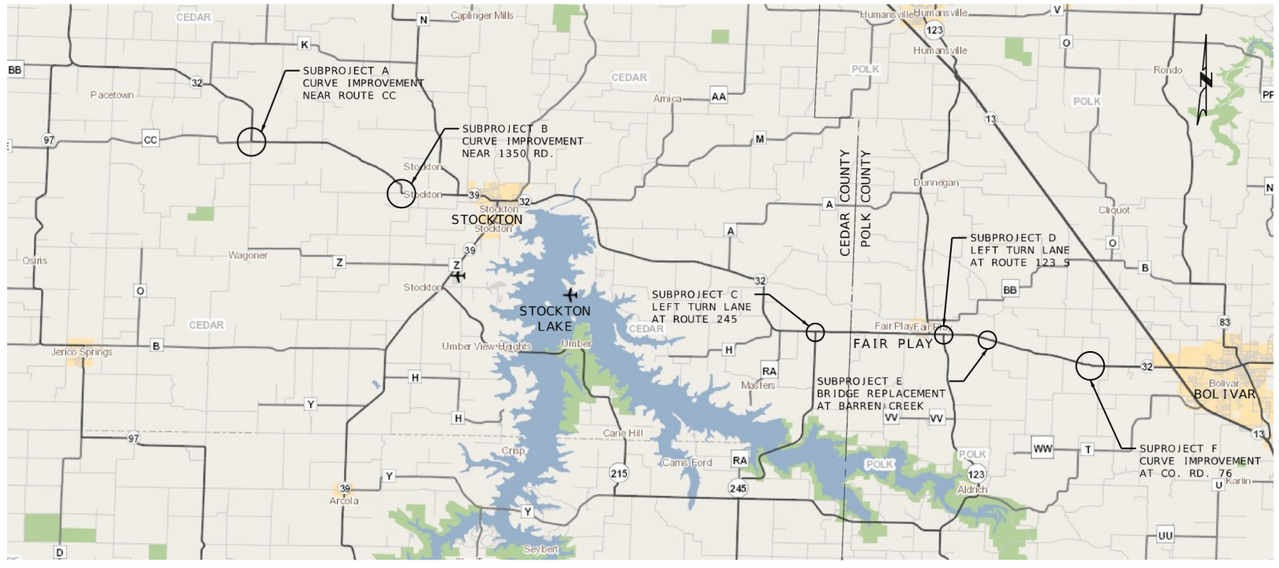
NEW RIGHT OF WAY REQUIRED
NEW RIGHT OF WAY - 25.28 ACRES

NEW PERMANENT EASEMENT REQUIRED
NEW PERMANENT DRAINAGE EASEMENT - 0.12 ACRES

NEW TEMPORARY EASEMENT REQUIRED
NEW TEMPORARY CONSTRUCTION EASEMENT - 2.28 ACRES



KEY MAP
LOCATION OF CEDAR & POLK COUNTIES



NOT TO SCALE

TITLE SHEET
SHEET 1 OF 2

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. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

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A9327	1-20
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LENGTH OF PROJECT

RTE. 32 @ RTE. CC (SUBPROJECT A)
BEGINNING OF PROJECT STA. 867+50.00
END OF PROJECT STA. 899+00.00
APPARENT LENGTH 3,150.00 FEET

RTE. 32 @ C.R. 1350 (SUBPROJECT B)
BEGINNING OF PROJECT STA. 1131+00.00
END OF PROJECT STA. 1171+00.00
APPARENT LENGTH 4,000.00 FEET

RTE. 32 @ RTE. 245 (SUBPROJECT C)
BEGINNING OF PROJECT STA. 1982+00.00
END OF PROJECT STA. 2007+00.00
APPARENT LENGTH 2,500.00 FEET

RTE. 32 @ RTE. 123 S. (SUBPROJECT D)
BEGINNING OF PROJECT STA. 128+30.00
END OF PROJECT STA. 154+00.00
APPARENT LENGTH 2,570.00 FEET

RTE. 32 @ BARREN CREEK (SUBPROJECT E)
BEGINNING OF PROJECT STA. 196+50.00
END OF PROJECT STA. 215+00.00
APPARENT LENGTH 1,850.00 FEET

RTE. 32 @ CO. RD. 76 (SUBPROJECT F)
BEGINNING OF PROJECT STA. 355+00.00
END OF PROJECT STA. 379+00.00
APPARENT LENGTH 2,400.00 FEET

TOTAL CORRECTIONS 0.00 FEET
NET LENGTH OF PROJECT 16,470.00 FEET
STATE LENGTH 3.119 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 25.6 ACRES

STATE OF MISSOURI
SEAN U. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/21/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	1

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

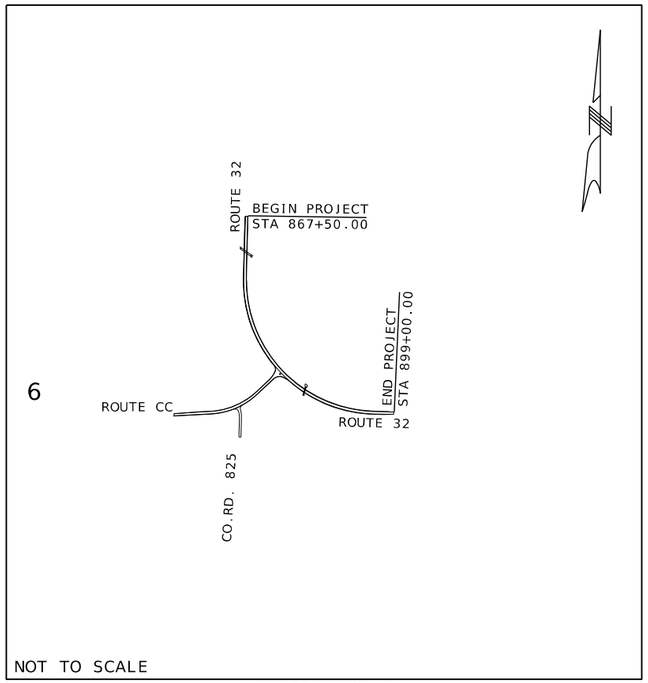
BRIDGE NO.

DESCRIPTION | DATE

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

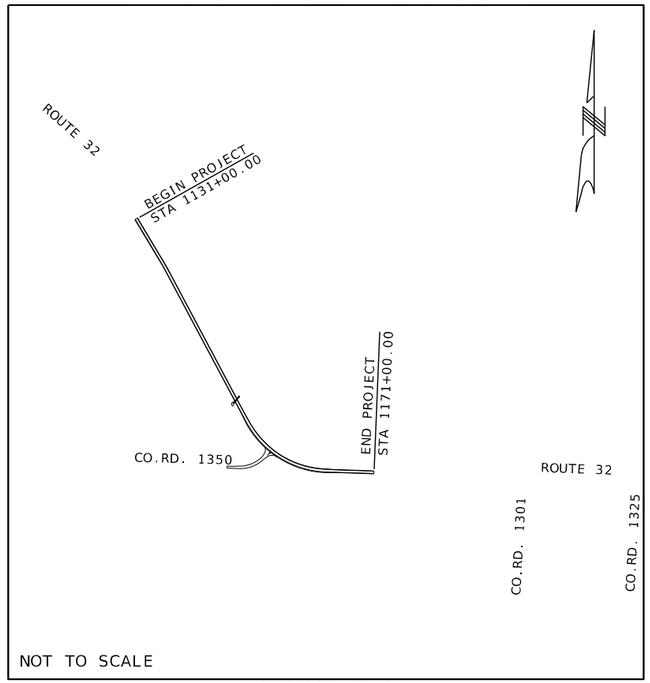
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
"Engineering beyond."

CURVE REALIGNMENT - NEAR ROUTE CC



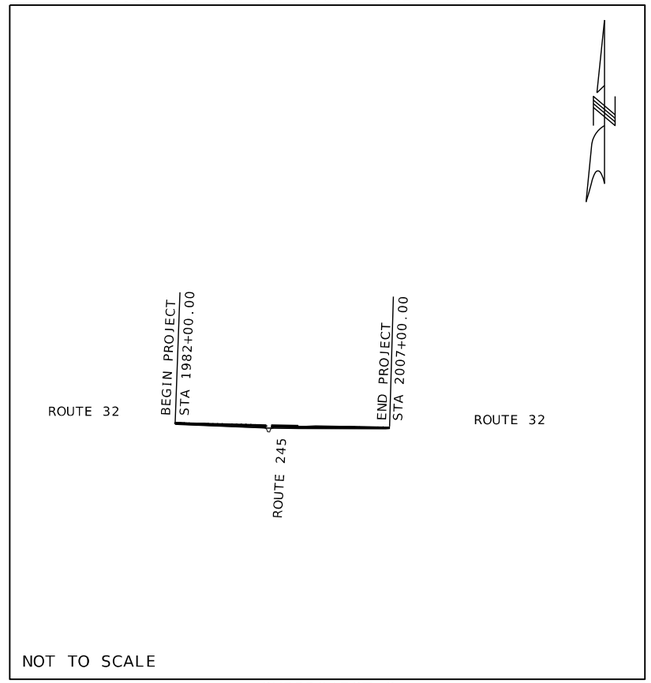
SUBPROJECT A
SECTION 5 & 6, T34N, R27W

CURVE REALIGNMENT - NEAR CO.RD. 1350



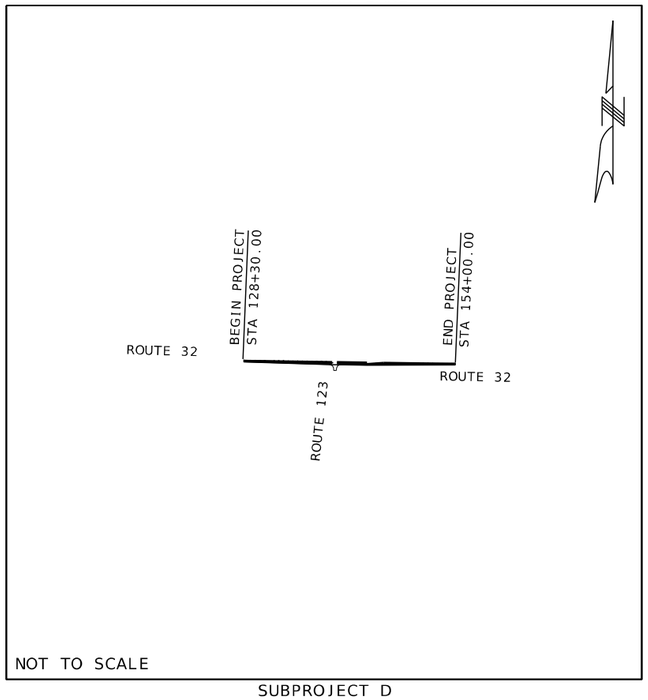
SUBPROJECT B
SECTION 12, T34N, R27W

WIDENING FOR LEFT TURN LANE - ROUTE 245



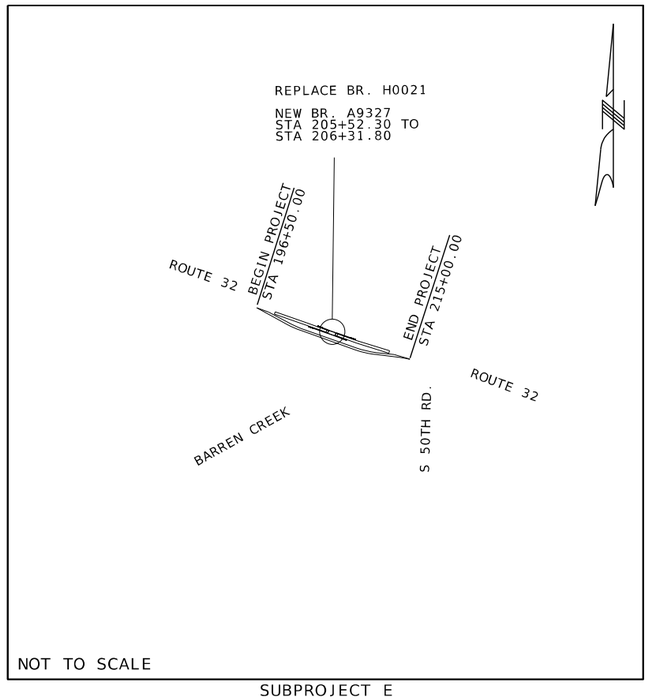
SUBPROJECT C
SECTION 1 & 2, T33N, R25W

WIDENING FOR LEFT TURN LANE - ROUTE 123



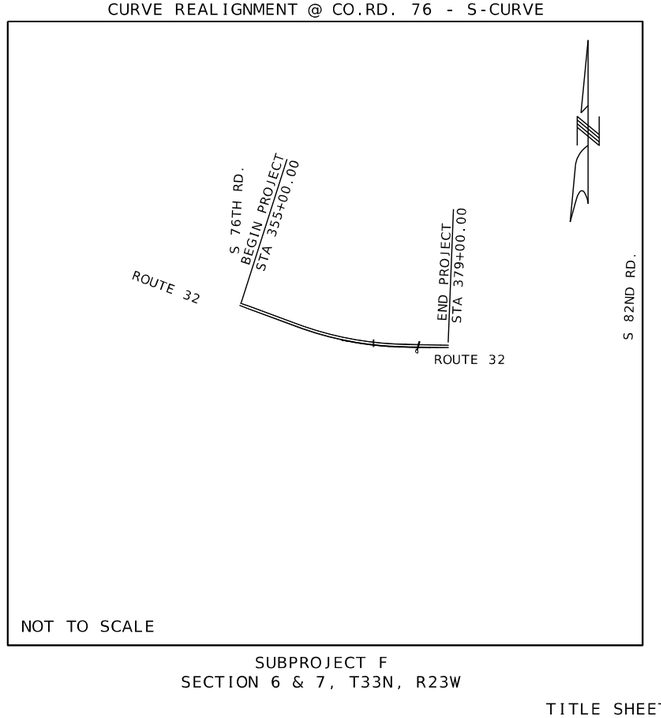
SUBPROJECT D
SECTION 4, T33N, R24W

BRIDGE REPLACEMENT - BARREN CREEK



SUBPROJECT E
SECTION 3, T33N, R24W

CURVE REALIGNMENT @ CO.RD. 76 - S-CURVE



SUBPROJECT F
SECTION 6 & 7, T33N, R23W

TITLE SHEET
SHEET 2 OF 2

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/18/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	1

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

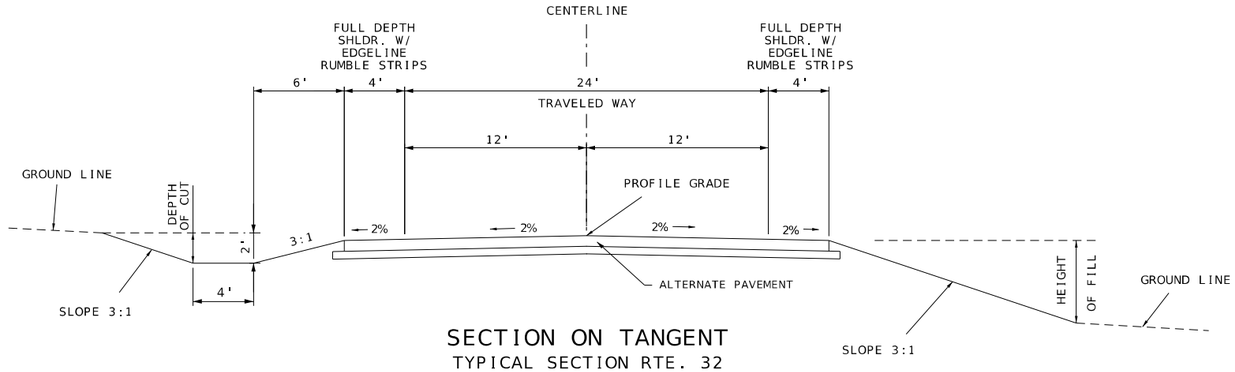
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

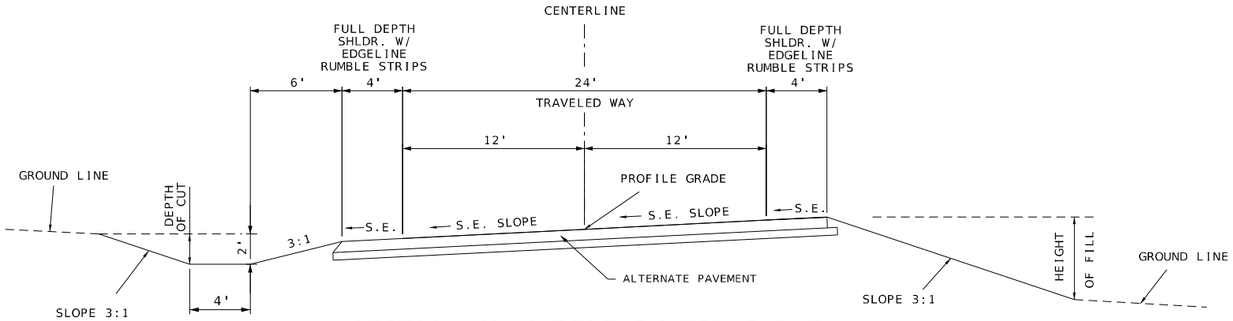
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearecwn.com
Engineering beyond.



SECTION ON TANGENT

TYPICAL SECTION RTE. 32

STA. 867+70.00 TO STA. 898+26.00 (AT RTE. CC)[SUBPROJECT A]
STA. 1131+50.47 TO STA. 1170+46.97 (AT C.R. 1350)[SUBPROJECT B]



SECTION ON SUPERELEVATED CURVE

TYPICAL SECTION RTE. 32

STA. 867+70.00 TO STA. 898+26.00 (AT RTE. CC)[SUBPROJECT A]
STA. 1131+50.47 TO STA. 1170+46.97 (AT C.R. 1350)[SUBPROJECT B]

ALTERNATE PAVEMENT			
HMA DESIGN (ALT C)	PCCP DESIGN (ALT D)	SHOULDERS	BASE TYPE
8.5" HMA	8" PCCP	FULL DEPTH	6" TYPE 1 AGGREGATE BASE
2" BP1 W/PG 64-22 6.5" BIT. BASE W/PG 64-22 TACK RATE - .05 GAL/SY	W/15' JOINT SPACING AND 1.25" DOWELS (EXTENDED SLAB)		

* NO DIRECT PAYMENT SHALL BE MADE FOR TACK. ALL LABOR,MATERIALS AND EQUIMENT USED TO COMPLETE THIS TASK IS INCIDENTAL TO PAVMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 1 OF 5

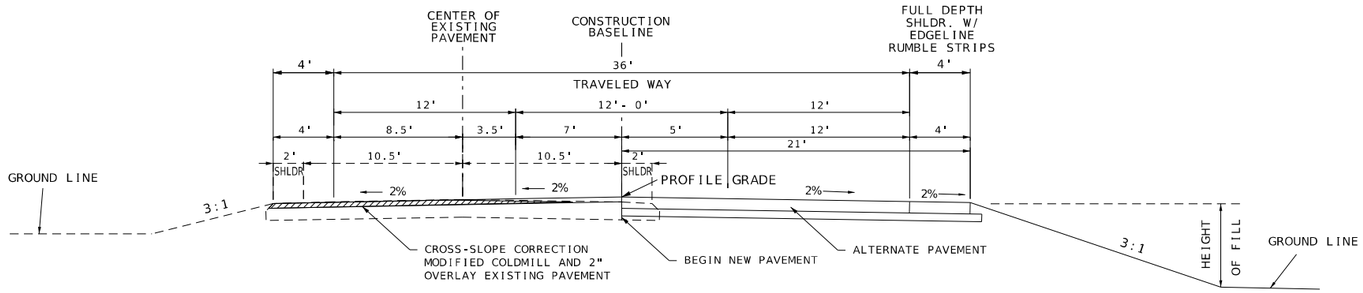
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/27/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY CEDAR / POLK
JOB NO. JSR0059
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)

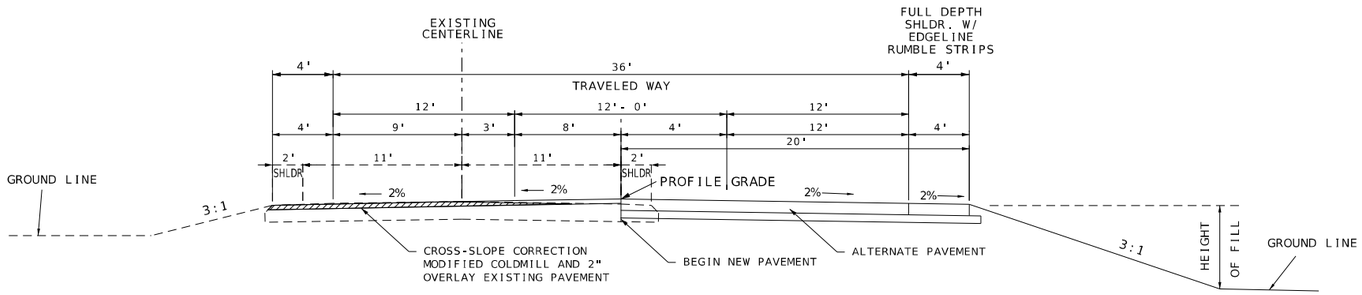
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



WIDENING FOR TURN LANES AT ROUTE 245 (3-LANE SECTION)

TYPICAL SECTION RTE. 32

STA. 1982+36.44 TO STA. 2006+77.70 (AT RTE. 245)[SUBPROJECT C]



WIDENING FOR TURN LANES AT ROUTE 123 (3-LANE SECTION)

TYPICAL SECTION RTE. 32

STA. 128+52.40 TO STA. 152+90.03 (AT RTE. 123)[SUBPROJECT D]

ALTERNATE PAVEMENT			
HMA DESIGN (ALT A)	PCCP DESIGN (ALT B)	SHOULDERS	BASE TYPE
10" HMA	9" PCCP	FULL DEPTH	6" TYPE 1 AGGREGATE BASE
2" BP1 W/PG 64-22 8" BIT. BASE W/PG 64-22 TACK RATE - .05 GAL/SY	W/15' JOINT SPACING AND 1.25" DOWELS (EXTENDED SLAB)		

* NO DIRECT PAYMENT SHALL BE MADE FOR TACK. ALL LABOR,MATERIALS AND EQUIMENT USED TO COMPLETE THIS TASK IS INCIDENTAL TO PAVMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 2 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

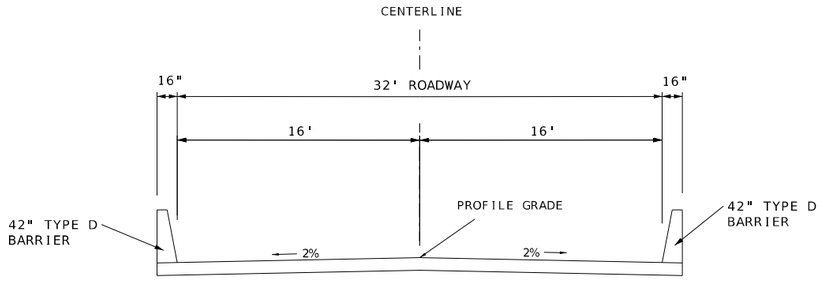
BRIDGE NO.

DESCRIPTION	DATE

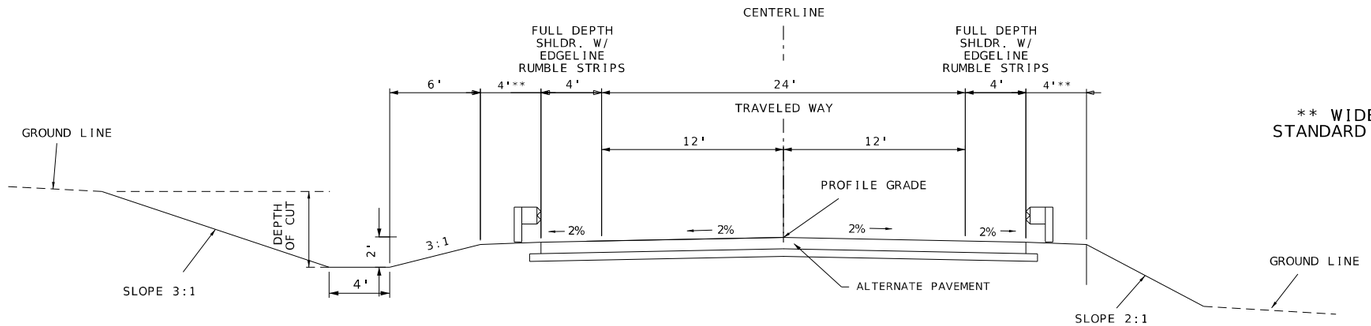
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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SECTION ON TANGENT
TYPICAL SECTION RTE. 32 BRIDGE - BARREN CREEK
STA. 205+52.30 TO STA. 206+31.80[SUBPROJECT E]

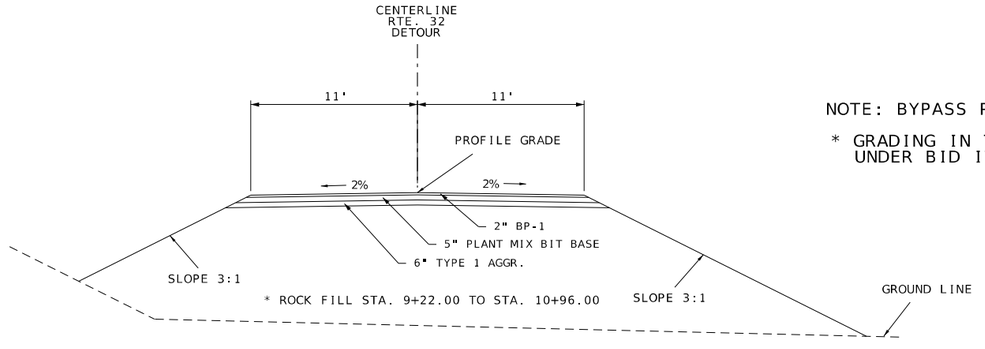


** WIDENING FOR GUARDRAIL PER STANDARD PLANS AND CROSS SECTIONS

SECTION ON TANGENT
TYPICAL SECTION RTE. 32 - BARREN CREEK
STA. 199+53.38 TO STA. 212+16.12[SUBPROJECT E]

ALTERNATE PAVEMENT			
HMA DESIGN (ALT A)	PCCP DESIGN (ALT B)	SHOULDERS	BASE TYPE
10" HMA	9" PCCP	FULL DEPTH	6" TYPE 1 AGGREGATE BASE
2" BP1 W/PG 64-22 8" BIT. BASE W/PG 64-22 TACK RATE - .05 GAL/SY	W/15' JOINT SPACING AND 1.25" DOWELS (EXTENDED SLAB)		

* NO DIRECT PAYMENT SHALL BE MADE FOR TACK. ALL LABOR,MATERIALS AND EQUIMENT USED TO COMPLETE THIS TASK IS INCIDENTAL TO PAVMENT



SECTION ON TANGENT
TYPICAL SECTION RTE. 32
TEMPORARY BYPASS
STA. 1+89.38 TO STA. 19+05.94[SUBPROJECT E]

NOTE: BYPASS PAVEMENT IS TO BE ASPHALT ONLY.

* GRADING IN THIS STATION RANGE IS PAID FOR UNDER BID ITEM "LINEAR GRADING CLASS 1"

TYPICAL SECTION
SHEET 3 OF 5

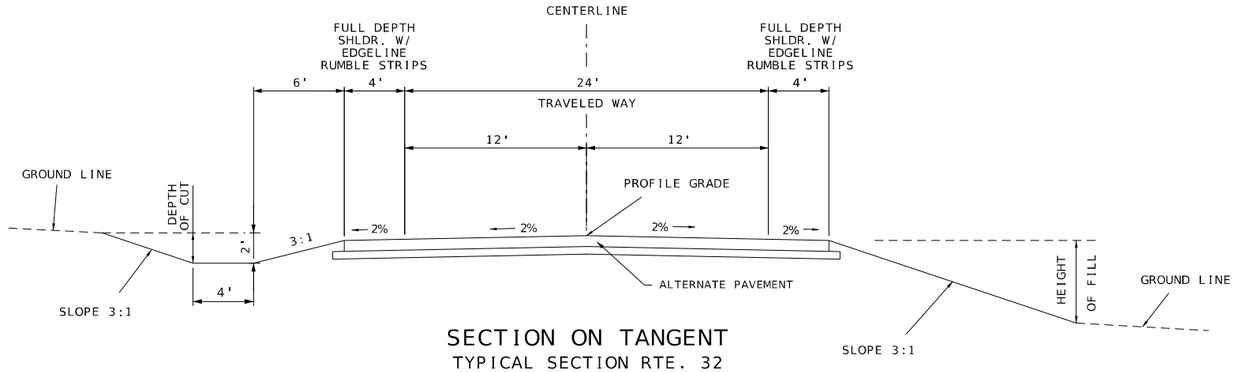
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/27/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

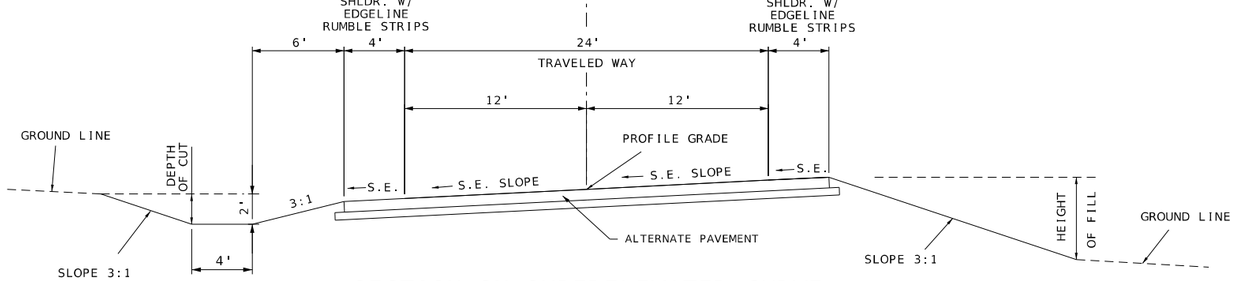
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



SECTION ON TANGENT

TYPICAL SECTION RTE. 32

STA. 356+00.00 TO STA. 378+31.49 (AT S CURVE)[SUBPROJECT F]



SECTION ON SUPERELEVATED CURVE

TYPICAL SECTION RTE. 32

STA. 356+00.00 TO STA. 378+31.49 (AT S CURVE)[SUBPROJECT E]

ALTERNATE PAVEMENT			
HMA DESIGN (ALT A)	PCCP DESIGN (ALT B)	SHOULDERS	BASE TYPE
10" HMA	9" PCCP	FULL DEPTH	6" TYPE 1 AGGREGATE BASE
2" BP1 W/PG 64-22 8" BIT. BASE W/PG 64-22 TACK RATE - .05 GAL/SY	W/15' JOINT SPACING AND 1.25" DOWELS (EXTENDED SLAB)		

* NO DIRECT PAYMENT SHALL BE MADE FOR TACK. ALL LABOR,MATERIALS AND EQUIMENT USED TO COMPLETE THIS TASK IS INCIDENTAL TO PAVMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 4 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

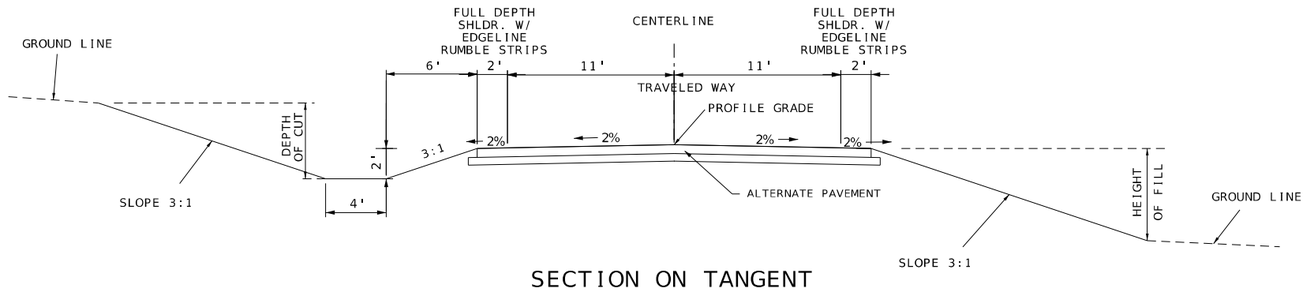
DATE PREPARED 8/27/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY CEDAR / POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO.

DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.

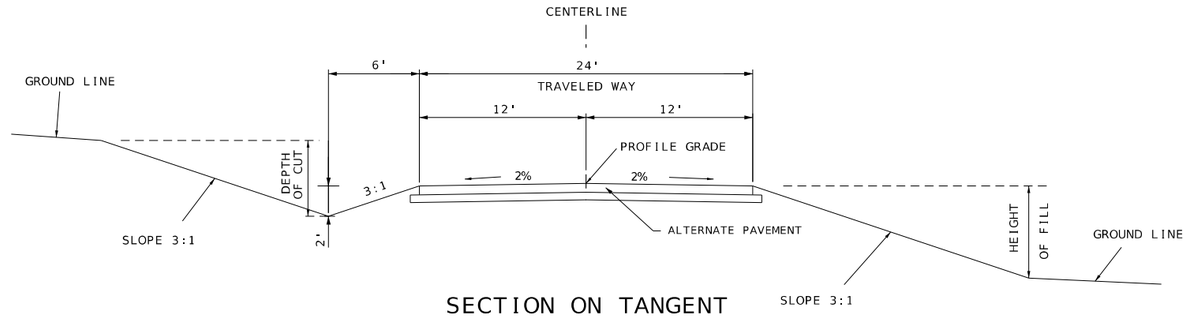
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SECTION ON TANGENT

TYPICAL SECTION RTE. CC

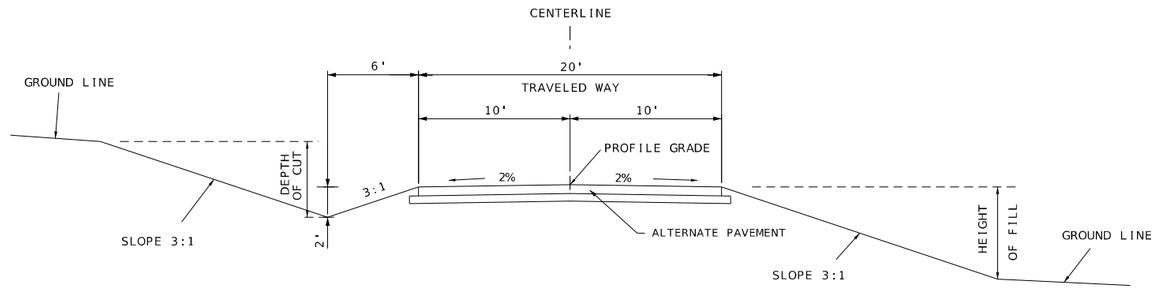
STA. 341+96.00 TO STA. 354+00.02 [SUBPROJECT A]



SECTION ON TANGENT

TYPICAL SECTION COUNTY ROAD 1350

STA. 4+84.12 TO STA. 9+80.00[SUBPROJECT B]



SECTION ON TANGENT

TYPICAL SECTION COUNTY ROAD 825 AT RTE. CC

STA. 5+13.00 TO STA. 8+31.02[SUBPROJECT A]

ALTERNATE PAVEMENT			
HMA DESIGN (ALT E)	PCCP DESIGN (ALT F)	SHOULDERS	BASE TYPE
7" HMA	7" PCCP	FULL DEPTH	6" TYPE 1 AGGREGATE BASE
2" BP1 W/PG 64-22 5" BIT. BASE W/PG 64-22 TACK RATE - .05 GAL/SY	W/15' JOINT SPACING AND 1.25" DOWELS (EXTENDED SLAB)		

* NO DIRECT PAYMENT SHALL BE MADE FOR TACK. ALL LABOR,MATERIALS AND EQUIMENT USED TO COMPLETE THIS TASK IS INCIDENTAL TO PAVMENT

NOT TO SCALE

TYPICAL SECTION
SHEET 5 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/27/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

REMOVAL OF IMPROVEMENTS -SUBPROJECT A

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY.	DESCRIPTION/REMARKS
871+88.48		EXIST. ROUTE 32	14' RT.	ROUTE CC	1	SIGN AND POST
872+01.14		EXIST. ROUTE 32	C.L.	ROUTE CC	1	6' X 4' X 31; RCB
876+04.72		EXIST. ROUTE 32	C.L.	ROUTE CC	1	25" X 18" X 27' RCB
876+10.92		EXIST. ROUTE 32	13' LT.	ROUTE CC	1	SIGN AND POST
344+62.64		EXIST. ROUTE CC	C.L.	ROUTE CC	1	15" X 33' RCP WITH 2- FES
892+30.18		EXIST. ROUTE 32	C.L.	ROUTE CC	1	48" X 31" 28' RCB
902+79.00		EXIST. ROUTE 32	20' LT.	ROUTE CC	1	15" X 25' CMP/RCP (CHANGES FROM CMP TO RCP)

REMOVAL OF IMPROVEMENTS -SUBPROJECT B

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY.	DESCRIPTION/REMARKS
344+73.63		EXIST. ROUTE CC	27' LT.	C.R. 825	1	SIGN AND POST
1142+88.08		EXIST. ROUTE 32	23' RT.	C.R. 1350	1	SIGN AND POST
1143+38.32		EXIST. ROUTE 32	28' RT.	C.R. 1350	1	SIGN AND POST
1144+71.79		EXIST. ROUTE 32	21' RT.	C.R. 1350	1	15" X 41' RCP
1143+64.93		EXIST. ROUTE 32	14' LT.	C.R. 1350	1	SIGN AND POST
1144+19.76		EXIST. ROUTE 32	16' LT.	C.R. 1350	1	SIGN AND POST
1144+55.56		EXIST. ROUTE 32	17' LT.	C.R. 1350	1	SIGN AND POST
1144+89.89		EXIST. ROUTE 32	22' LT.	C.R. 1350	1	15" X 22' CMP
1145+09.94		EXIST. ROUTE 32	16' LT.	C.R. 1350	1	SIGN AND POST
1145+55.42		EXIST. ROUTE 32	15' LT.	C.R. 1350	1	SIGN AND POST
1146+04.21		EXIST. ROUTE 32	15' LT.	C.R. 1350	1	SIGN AND POST
1146+52.64		EXIST. ROUTE 32	14' LT.	C.R. 1350	1	SIGN AND POST
1147+16.49		EXIST. ROUTE 32	16' LT.	C.R. 1350	1	SIGN AND POST
1147+63.33		EXIST. ROUTE 32	17' LT.	C.R. 1350	1	SIGN AND POST
1148+13.29		EXIST. ROUTE 32	18' LT.	C.R. 1350	1	SIGN AND POST
1148+63.81		EXIST. ROUTE 32	19' LT.	C.R. 1350	1	SIGN AND POST
1149+21.26		EXIST. ROUTE 32	18' LT.	C.R. 1350	1	SIGN AND POST
1156+79.71		EXIST. ROUTE 32	24' RT.	C.R. 1350	1	SIGN AND POST
1157+96.70		EXIST. ROUTE 32	17' RT.	C.R. 1350	1	SIGN AND POST
1158+57.97		EXIST. ROUTE 32	17' RT.	C.R. 1350	1	SIGN AND POST
1159+14.51		EXIST. ROUTE 32	17' RT.	C.R. 1350	1	SIGN AND POST
1159+61.97		EXIST. ROUTE 32	16' RT.	C.R. 1350	1	SIGN AND POST
1160+27.69		EXIST. ROUTE 32	17' RT.	C.R. 1350	1	SIGN AND POST
1160+81.93		EXIST. ROUTE 32	19' RT.	C.R. 1350	1	SIGN AND POST
1161+33.03		EXIST. ROUTE 32	19' RT.	C.R. 1350	1	SIGN AND POST
1161+85.17		EXIST. ROUTE 32	18' RT.	C.R. 1350	1	SIGN AND POST
1162+31.04		EXIST. ROUTE 32	18' RT.	C.R. 1350	1	SIGN AND POST
1162+53.11		EXIST. ROUTE 32	C.L.	C.R. 1350	1	24" X 63' RCP
1162+54.87		EXIST. ROUTE 32	17' LT.	C.R. 1350	1	SIGN AND POST
1162+58.19		EXIST. ROUTE 32	41' RT.	C.R. 1350	1	SIGN AND POST
1163+12.79		EXIST. ROUTE 32	17' RT.	C.R. 1350	1	SIGN AND POST
1163+54.10		EXIST. ROUTE 32	15' RT.	C.R. 1350	1	SIGN AND POST
1163+93.61		EXIST. ROUTE 32	14' RT.	C.R. 1350	1	SIGN AND POST
1164+45.47		EXIST. ROUTE 32	16' RT.	C.R. 1350	1	SIGN AND POST
1164+98.66		EXIST. ROUTE 32	18' RT.	C.R. 1350	1	SIGN AND POST

REMOVAL OF IMPROVEMENTS -SUBPROJECT C

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY.	DESCRIPTION/REMARKS
1993+34.69		ROUTE 32	51' RT.	ROUTE 245	1	SIGN AND POST
1995+66.86		ROUTE 32	12' RT.	ROUTE 245	1	SIGN AND POST
1999+38.63		ROUTE 32	12' RT.	ROUTE 245	1	SIGN AND POST

REMOVAL OF IMPROVEMENTS -SUBPROJECT D

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY.	DESCRIPTION/REMARKS
131+31.82		EXIST. ROUTE 32	25' RT.	ROUTE 123	1	SIGN AND POST
138+16.27		EXIST. ROUTE 32	25' RT.	ROUTE 123	1	SIGN AND POST
139+47.33		EXIST. ROUTE 32	60' RT.	ROUTE 123	1	SIGN AND POST
140+98.48		EXIST. ROUTE 32	23' RT.	ROUTE 123	1	SIGN AND POST
144+00.73		EXIST. ROUTE 32	26' RT.	ROUTE 123	1	SIGN AND POST
				SUBTOTAL 1	50	

CLEARING & GRUBBING	
LOCATION	QTY (ACRES)
SUBPROJECT A	1.8
SUBPROJECT B	1.0
SUBPROJECT C	0.2
SUBPROJECT D	0.1
SUBPROJECT E	1.0
SUBPROJECT F	4.7
TOTAL	9

MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING & STAKING
1 LUMP SUM

ADDITIONAL MOBILZATION FOR SEEDING
6 EACH

SEEDING & MULCH			
LOCATION	TEMPORARY SEEDING (AC.)	MULCHING (AC.)	SEEDING - COOL SEASON GRASSES (AC.)
SUBPROJECT A			
RTE 32 @ RTE CC	3.1	10.8	7.7
RTE. CC	0.4	1.4	1
C.R. 825	0.1	0.3	0.2
SUBPROJECT B			
RTE 32 @ CR1350	2.0	6.9	4.9
CR1350 @ RTE 32	0.3	1	0.7
SUBPROJECT C			
RTE 32 @ RTE 245	0.4	1.3	0.9
SUBPROJECT D			
RTE 32 @ RTE 123	0.4	1.3	0.9
SUBPRPOJECT E			
RTE 32 BARREN CR.	0.3	1.1	0.8
SUBPROJECT F			
RTE 32 @ 76TH RD.	2.2	7.8	5.6
TOTALS	9.2	31.9	22.7

SUMMARY OF QUANTITIES
SHEET 1 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
DATE

DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR/POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO.

DESCRIPTION | DATE | REV.

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

REMOVAL OF IMPROVEMENTS -SUBPROJECT E

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY.	DESCRIPTION/REMARKS
197+67.92	205+53.26	EXIST. ROUTE 32	VARIES RT.	BARREN CREEK	1	835' FENCE
199+62.88		EXIST. ROUTE 32	26' RT.	BARREN CREEK	1	NARROW BRIDGE SIGN AND POST
203+84.87		EXIST. ROUTE 32	38' RT.	BARREN CREEK	1	15' GATE
204+30.16	205+59.46	EXIST. ROUTE 32	11'-19' RT.	BARREN CREEK	1	130' GUARDRAIL
205+07.86		EXIST. ROUTE 32	17' RT.	BARREN CREEK	1	OBJECT MARKER SIGN AND POST
205+25.11		EXIST. ROUTE 32	14' RT.	BARREN CREEK	1	OBJECT MARKER SIGN AND POST
205+50.90		EXIST. ROUTE 32	11' RT.	BARREN CREEK	1	OBJECT MARKER SIGN AND POST
206+27.42	209+00.00	EXIST. ROUTE CC		BARREN CREEK	1	308' FENCE
206+37.73	207+77.86	EXIST. ROUTE 32	11'-14' RT.	BARREN CREEK	1	141' GUARDRAIL
206+46.82		EXIST. ROUTE 32	12' RT.	BARREN CREEK	1	OBJECT MARKER SIGN AND POST
206+69.16		EXIST. ROUTE CC	14' RT.	BARREN CREEK	1	OBJECT MARKER SIGN AND POST
206+90.02		EXIST. ROUTE 32	17' RT.	BARREN CREEK	1	OBJECT MARKER SIGN AND POST

REMOVAL OF IMPROVEMENTS -SUBPROJECT F

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY.	DESCRIPTION/REMARKS
356+01.25		EXIST. ROUTE 32	26' RT.	S-CURVE	1	POST AND SIGN
356+26.83		EXIST. ROUTE 32	21' RT.	S-CURVE	1	POST AND SIGN
357+52.99		EXIST. ROUTE 32	19' LT.	S-CURVE	1	MAILBOX
357+55.12		EXIST. ROUTE 32	19' LT.	S-CURVE	1	MAILBOX
358+12.60		EXIST. ROUTE 32	15' RT.	S-CURVE	1	POST AND SIGN
359+00.17		EXIST. ROUTE 32	17' RT.	S-CURVE	1	40' X 15" CMP
359+43.71		EXIST. ROUTE 32	13' RT.	S-CURVE	1	POST AND SIGN
360+75.56		EXIST. ROUTE 32	5' LT.	S-CURVE	1	POST AND SIGN
361+50.94		EXIST. ROUTE 32	30' LT.	S-CURVE	1	POST AND SIGN
362+21.86		EXIST. ROUTE 32	54' LT.	S-CURVE	1	POST AND SIGN
365+26.61		EXIST. ROUTE 32	174' LT.	S-CURVE	1	POST AND SIGN
365+85.79		EXIST. ROUTE 32	188' LT.	S-CURVE	1	POST AND SIGN
366+53.50		EXIST. ROUTE 32	202' LT.	S-CURVE	1	POST AND SIGN
366+87.58		EXIST. ROUTE 32	211' LT.	S-CURVE	1	DRAINAGE STRUCTURE
367+23.98		EXIST. ROUTE 32	209' LT.	S-CURVE	1	POST AND SIGN
367+96.65		EXIST. ROUTE 32	202' LT.	S-CURVE	1	POST AND SIGN
368+62.53		EXIST. ROUTE 32	182' LT.	S-CURVE	1	POST AND SIGN
369+78.60		EXIST. ROUTE 32	126' LT.	S-CURVE	1	POST AND SIGN
369+71.25		EXIST. ROUTE 32	118' LT.	S-CURVE	1	DRAINAGE STRUCTURE
369+74.06		EXIST. ROUTE 32	70' LT.	S-CURVE	1	DRAINAGE STRUCTURE
369+82.88		EXIST. ROUTE 32	61' LT.	S-CURVE	1	POST AND SIGN
370+57.56		EXIST. ROUTE 32	70' LT.	S-CURVE	1	POST AND SIGN
370+40.07		EXIST. ROUTE 32	30' LT.	S-CURVE	1	POST AND SIGN
370+99.79		EXIST. ROUTE 32	4' LT.	S-CURVE	1	POST AND SIGN
371+65.09		EXIST. ROUTE 32	14' RT.	S-CURVE	1	POST AND SIGN
372+28.25		EXIST. ROUTE 32	19' RT.	S-CURVE	1	POST AND SIGN
372+95.89		EXIST. ROUTE 32	22' RT.	S-CURVE	1	POST AND SIGN
373+55.29		EXIST. ROUTE 32	21' RT.	S-CURVE	1	POST AND SIGN
373+95.94		EXIST. ROUTE 32	C.L.	S-CURVE	1	36' X 10' RCB
374+78.60		EXIST. ROUTE 32	27' LT.	S-CURVE	1	POST AND SIGN
374+80.47		EXIST. ROUTE 32	26' LT.	S-CURVE	1	POST AND SIGN
375+64.80		EXIST. ROUTE 32	28' LT	S-CURVE	1	POST AND SIGN
				SUBTOTAL 1	50	
				SUBTOTAL 2	44	
				TOTAL	94	
				USE	1 LUMP SUM	

LINEAR GRADING CLASS 1

STA.	STA.	ROUTE	LOCATION	LINEAR GRADING CLASS 1 (STA)	REMARKS
SUBPROJECT A					
877+72.71	898+06.33	EXIST. RTE. 32		20.3	
342+69.95		EXIST. RTE. CC RT.	ENTRANCE	0.2	
342+70.00		EXIST. RTE. CC LT.	ENTRANCE	0.2	
343+99.78	344+57.85	EXIST. RTE.CC		0.6	
887+85.55	898+06.33	EXIST. RTE. 32	RTE. CC	10.2	
877+72.71	886+86.01	EXIST. RTE. 32	RTE. CC	9.1	
886+16.92	886+89.65	EXIST. RTE. 32 RT.	EXIST. RTE. CC CONN.	0.9	
887+65.93	888+74.90	EXIST. RTE. 32 RT.	EXIST. RTE. CC CONN.	1.8	
SUBPROJECT B					
1135+15.98	1143+45.51	EXIST. RTE. 32	C.R. 1350	8.3	
1147+24.74	1154+41.75	EXIST. RTE. 32	C.R. 1350	7.2	
1157+45.89	1161+90.42	EXIST. RTE. 32	C.R. 1350	4.4	
1163+00.67	1166+88.60	EXIST. RTE. 32	C.R. 1350	3.9	
SUBPROJECT C					
2+22.54		RTE. 245 LT.	ENTRANCE	28.9	
SUBPROJECT E					
8+20.00	12+80.00	BYPASS	BARREN CREEK	4.6	
SUBPROJECT F					
360+88.51	366+03.51	EXIST. RTE. 32	C.R. 76	5.2	
366+58.38	370+58.45	EXIST. RTE. 32	C.R. 76	4.0	
			TOTAL	109.8	
			USE	109.8	

COMPACTING IN CUT

STATION	STATION	SUBPROJECT	ROUTE	LOCATION	COMPACTING IN CUT (STA)	REMARKS
867+70.00	869+70.00	A	ROUTE 32	AT ROUTE CC	2	STAGE 2B
893+25.00	898+26.00	A	ROUTE 32	AT ROUTE CC	5.0	STAGE 2A
341+96.00	347+50.00	A	ROUTE CC		5.5	STAGE 2A
348+40.00	349+00.00	A	ROUTE CC		0.6	STAGE 2A
5+13.00	5+50.00	A	C.R. 825		0.4	STAGE 2A
6+46.00	8+30.00	A	C.R. 825		1.8	STAGE 2A
				SUBTOTAL	15.3	
1131+50.47	1135+50.00	B	ROUTE 32	AT C.R. 1350	4.0	STAGE 2
1164+20.00	1170+46.92	B	ROUTE 32	AT C.R. 1350	6.3	STAGE 2
4+84.12	5+70.00	B	C.R. 1350		0.9	STAGE 2
				SUBTOTAL	11.2	
1982+36.44	2006+77.70	C	ROUTE 32	AT ROUTE 245	24.4	
128+52.40	152+90.03	D	ROUTE 32	AT ROUTE 123	24.4	
199+53.38	203+60.00	E	ROUTE 32	BARREN CREEK	4.1	
206+60.00	212+16.12	E	ROUTE 32	BARREN CREEK	5.6	
1+63.07	3+85.00	E	ROUTE 32	BYPASS	2.2	
16+09.00	19+22.12	E	ROUTE 32	BYPASS	3.1	
				SUBTOTAL	15	
356+00.00	361+00.00	F	ROUTE 32	AT C.R. 76	5.0	STAGE 2A A
370+50.00	378+31.49	F	ROUTE 32	AT C.R. 76	7.8	STAGE 2B
				SUBTOTAL	12.8	
				TOTAL	103.1	
				USE	103.1	

7" BITUMINOUS PAVEMENT

STATION	STATION	ROUTE	WIDTH (FT)	AREA (SF)	7" HMA (SY)	6" TYPE 1 AGGR. (SY)	REMARKS
SUBPROJECT E - RTE 32 @ BARREN CR.							
2+57.21	18+02.46	32 BYPASS	22	33996	3777.3	3777.3	
6" TYPE 1 AGGREGATE SUBTOTAL TO ALT. PAVEMENT						3,777	
				TOTAL	3,777.3		
				USE	3,777.3		

SUMMARY OF QUANTITIES
SHEET 2 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/18/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

	ALTERNATE PAVEMENT											
STATION	STATION	ROUTE	WIDTH (FT)	AREA (SF)	(ALT A) 10" HMA OR (ALT B) 9" PCCP (SY)	(ALT C) 8.5" HMA OR (ALT D) OR 8" PCCP (SY)	(ALT E) 7" HMA OR (ALT F) OR 7" PCCP (SY)	6" TYPE 1 AGGR. (SY)	2" PMBP (BP-1) (TONS)	COLDMILL (< 3") (SY)	TACK 0.1 GAL/SY (GAL)	REMARKS
SUBPROJECT A - RTE 32 @ RTE CC												
867+70.00	868+59.00	RTE 32	28	2492.00		276.89		276.89				
868+59.00	873+51.34	RTE 32	32	15754.88		1750.54		1750.54				
873+51.34	874+76.14	RTE 32	33.2	4143.36		460.37		460.37				
874+76.14	878+00.00	RTE 32	34.3	11108.40		1234.27		1234.27				
878+00.00	892+00.00	RTE 32	34.3	48020.00		5335.56		5335.56				
892+00.00	895+76.75	RTE 32	34.3	12922.53		1435.84		1435.84				
895+76.75	897+01.55	RTE 32	33.2	4143.36		460.37		460.37				
897+01.55	897+15.00	RTE 32	32.0	430.40		47.82		47.82				
897+15.00	898+26.00	RTE 32	VARIES	3159.72		351.08		351.08				
341+96.00	342+96.00	RTE CC	23	2300.00			255.56	255.56				
342+96.00	350+00.00	RTE CC	26	18304.00			2033.78	2033.78				
350+00.00	352+48.05	RTE CC	26	6449.30			716.59	716.59				
352+48.05		RTE CC	radius	8203.33			911.48	911.48				
5+13.00	8+31.02	CR825	20	7376.73			819.64	819.64				
SUBPROJECT B - RTE 32 @ CR1350												
1131+50.90	1136+15.00	RTE 32	32	14851.20		1650.13		1650.13				
1136+15.00	1152+50.00	RTE 32	32	52320.00		5813.33		5813.33				
1152+50.00	1154+24.57	RTE 32	32	5586.24		620.69		620.69				
1154+24.57	1155+50.00	RTE 32	34	4264.62		473.85		473.85				
1155+50.00	1161+30.00	RTE 32	36	20880.00		2320.00		2320.00				
1161+30.00	1165+49.57	RTE 32	36	15104.52		1678.28		1678.28				
1165+49.57	1166+74.57	RTE 32	34	4250.00		472.22		472.22				
1166+49.57	1167+09.10	RTE 32	32	1904.96		211.66		211.66				
1167+09.10	1170+46.92	RTE 32	28	9458.96		1051.00		1051.00				
4+84.12	5+35.00	CR1350	24	1221.12			135.68	135.68				
5+35.00	8+31.50	CR1350	24	7116.00			790.67	790.67				
8+31.50	9+80.00	CR1350	24	14105.90			1567.32	1567.32				
SUBPROJECT C - RTE 32 @ RTE 245												
1982+36.44	2006+77.70	RTE 32	23	0.00	0.00			0.00	675.17	6238.78	623.88	RESURFACING
1982+36.44	1992+16.25	RTE 32	0-21	10288.01	1143.11			1143.11				WIDENING
1992+16.25	1996+87.70	RTE 32	21	9900.45	1100.05			1100.05				WIDENING
1996+87.70	1998+67.70	RTE 32	21-9	2700.00	300.00			300.00				WIDENING
1998+67.70	2006+77.70	RTE 32	9-0	3645.00	405.00			405.00				WIDENING
0+00.00	0+00.00	RTE 245	radius	8409.50	934.39			934.39				RTE 245 WIDEN & OVERLAY
SUBPROJECT D - RTE 32 @ RTE 123												
128+52.40	152+90.03	RTE 32	24	0.00	0.00			0.00	703.48	6500.35	650.04	RESURFACING
128+52.40	138+58.96	RTE 32	0-20	10065.60	1118.40			1118.40				WIDENING
138+58.96	143+01.98	RTE 32	20	8860.40	984.49			984.49				WIDENING
143+21.98	145+01.98	RTE 32	20-8	2520.00	280.00			280.00				WIDENING
145+01.98	153+12.00	RTE 32	8-0	3240.08	360.01			360.01				WIDENING
0+00.00	0+00.00	RTE 123	radius	8897.60	988.62			988.62				RTE 123 WIDEN & RESURF
SUBPROJECT E - RTE 32 @ BARREN CR.												
199+53.38	199+93.38	RTE 32	32	25.25-32	127.2			127.2				
199+93.38	205+32.30	RTE 32	32	32	1916.2			1916.2				END AT APPROACH PAV'T
206+51.80	209+42.44	RTE 32	32	32	1033.4			1033.4				START AT END OF APPR. PVT
209+42.44	211+90.09	RTE 32	32	32-29.64	848.1			848.1				
211+90.09	212+30.24	RTE 32	32	14.82-12.63	61.3			61.3				
211+90.09	211+90.52	RTE 32	32	29.64	1.4			1.4				
211+90.52	212+30.24	RTE 32	32	14.82-12.63	60.6			60.6				
SUBPROJECT F - RTE 32 @ 76TH RD. (S-CURVE)												
356+00.00	361+50.00	RTE 32	32	17600	1955.6			1955.6				
361+50.00	369+90.00	RTE32	32	26880	2986.7			2986.7				
369+90.00	378+31.49	RTE32	32	26927.68	2992.0			2992.0				
TONS OF BP-1 SUBTOTAL FROM ENTRANCES									10.2			
TYPE 1 AGGREGATE SUBTOTAL FROM 7" BIT. PAVEMENT								3,777.0				
				TOTAL	19,596.6	25,643.9	7,230.7	56,248.2	1,388.9	12,739.1	1,273.9	
				USE	19,596.6	25,643.9	7,230.7	56,248	1,388.9	12,739	1,274	

SUMMARY OF QUANTITIES
SHEET 3 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/18/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

ENTRANCES PIPES

STATION	ROUTE	SUBPROJECT	LOCATION	17"x13" TYPE B-1 PIPE-ARCH (LF)	15" GROUP C PIPE (LF)	18" GROUP C PIPE (LF)	24" GROUP C PIPE (LF)	36" GROUP C PIPE (LF)	17"x13" TYPE B1 F.E.S. (EACH)	15" GROUP C F.E.S. (EACH)	18" GROUP C F.E.S. (EACH)	24" GROUP C F.E.S. (EACH)	36" GROUP C F.E.S. (EACH)	REMARKS
897+97.80	32, LT	A	1 - 32 & CC	32					2					
344+75.95	CC, LT	A	1 - 32 & CC			32					2			
344+75.95	CC, RT	A	1 - 32 & CC			32					2			
1145+02.43	32, LT	B	2 -32 &1350	32					2					
1166+13.41	32, RT	B	2 -32 &1350	32					2					
1166+14.11	32, LT	B	2 -32 &1350		32					2				
5+02.56	CR1350	B	2 -32 &1350		32					2				
1982+87.91	32, RT	C	3 - 32 & 245											48" RCB (UIP)
2+98.82	245, LT	C	3 - 32 & 245				60					2		
203+45.47	RTE 32, LT.	E	5 -BARREN CR.	41					2					
203+45.47	BYP 32, RT.	E	5 -BARREN CR.		2									TEMP. PIPE
357+78.42	RTE 32, RT.	F	6 - 32 & 76 RD			39					2			
360+47.52	RTE 32, RT.	F	6 - 32 & 76 RD			32					2			
366+36.25	RTE 32, LT.	F	6 - 32 & 76 RD					36					2	
24 IN. GROUP C F.E.S. SUBTOTAL CARRIED TO PIPE CULVERTS												2		
24 IN. GROUP C PIPE SUBTOTAL CARRIED TO PIPE CULVERTS							60							
	TOTAL			137	66	135		36	8	4	8		2	
	USE			137	66	135		36	8	4	8		2	

PIPE CULVERTS

STATION	ROUTE	SUBPROJECT	LOCATION	FILL HEIGHT (LF)	GROUP A PIPE 42" (LF)	GROUP B PIPE 18" (LF)	GROUP B PIPE 30" (LF)	GROUP B PIPE 72" (LF)	GROUP C PIPE 24" (LF)	GROUP A F.E.S. 42" (EA)	GROUP B F.E.S. 18" (EA)	GROUP B F.E.S. 30" (EA)	GROUP B F.E.S. 72" (EA)	GROUP C F.E.S. 24" (EA)	CL. 3 EXC. (CY)	ROCK LINING (CY)	REMARKS
5+26.40	C.R. 825	A	ROUTE CC	2					59					2	1	-	
1143+25.00	ROUTE 32	B	C.R. 1350	4		51					2				13	2	
1153+02.96	ROUTE 32	B	C.R. 1350	13				120					2		137	44	
1161+49.57	ROUTE 32	B	C.R. 1350	12			94					2			16	4	
1031+50.00	ROUTE 32 BYPASS	E	BARREN CR.					528							10	-	8-66' PIPES
369+83.75	ROUTE 32	F	S-CURVE	7	168					4					120	26	2-84' PIPES
24 IN. GROUP C F.E.S. SUBTOTAL CARRIED TO PIPE CULVERTS													2				
24 IN. GROUP C PIPE SUBTOTAL CARRIED TO PIPE CULVERTS									60								
ROCK LINING SUBTOTAL CARRIED TO BOX CULVERTS																76	
CL. 3 EXC. SUBTOTAL CARRIED FROM ELLIPTICAL PIPE															27		
TOTAL				168	51	94	648	119	4	2	2	4	2	324			

PRECAST CONCRETE BOX CULVERTS

STATION	ROUTE	SUBPROJECT	SKEW	LOCATION	FILL HEIGHT (FT)	SIZE DBL 7'X7' (LF)	CL. 4 EXC. (CY)	ROCK LINING (CY)	REMARKS
872+15.22	ROUTE 32	A	34°02'32" L.A.	ROUTE CC	16	129	369	140	
	ROCK LINING SUBTOTAL CARRIED TO BOX CULVERTS							140	
	CL. 4 EXC. SUBTOTAL CARRIED TO BOX CULVERTS						369		
					TOTAL	129			
					USE	129			

ELLIPTICAL PIPE

STATION	ROUTE	SUBPROJECT	LOCATION	FILL HEIGHT (LF)	ELLIPTICAL PIPE 19" X 30" (LF)	F.E.S. 19" X 30" (EA)	CL. 3 EXC. (CY)	ROCK LINING (CY)	REMARKS
1170+03.00	ROUTE 32	B	C.R. 1350	2	38	2	27	4	
ROCK LINING SUBTOTAL CARRIED TO BOX CULVERTS								4	
CL. 3 EXC. SUBTOTAL CARRIED TO PIPE CULVERTS							27		
				TOTAL	38	2			
				USE	38	2			

BOX CULVERTS

STATION	ROUTE	SKEW	LOCATION	FILL HEIGHT (FT)	SIZE	LENGTH (FT)	CLASS B-1 CONCRETE (CY)	REINFORCING STEEL (LB)	CL. 4 EXC. (CY)	ROCK LINING (CY)	REMARKS
887+94.55	ROUTE 32	19°47'19"R.A.	ROUTE CC	4	2-(5' X 6')	94	89	9570	128	57	
1987+84.11	ROUTE 32	-	ROUTE 245	2	3' X 2'	21	9	1309	7	9	
1992+90.49	ROUTE 32	7°55'27" L.A.	ROUTE 245	5	3' X 2'	63	23	3185	4	9	
141+49.90	ROUTE 32	-	ROUTE 123	5	3' X 2'	36	44	5420	25	9	15°18'48"
ROCK LINING SUBTOTAL CARRIED FROM CULVERT, ELIPTICAL PIPES AND PRECAST BOX										220	
CL. 4 EXC. SUBTOTAL CARRIED FROM PRECAST BOX CULVERTS									369		
					TOTAL		165	19484	164	84	
					USE		165	19480	533	304	

SUMMARY OF QUANTITIES
SHEET 4 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR / POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
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Engineering beyond.

EROSION CONTROL BLANKET

STATION	STATION	ROUTE	LOCATION	TYPE 2A (SY)	TYPE 2B (SY)	TYPE 2C (SY)	TYPE 2D (SY)	REMARKS
SUBPROJECT A								
867+70.00	870+50.00	ROUTE 32 LT.	AT ROUTE CC			265		
870+50.00	875+50.00	ROUTE 32 LT.	AT ROUTE CC				1708	
875+50.00	886+30.00	ROUTE 32 LT.	AT ROUTE CC			1203		
886+30.00	887+08.00	ROUTE 32 LT.	AT ROUTE CC		135			
887+08.00	887+60.00	ROUTE 32 LT.	AT ROUTE CC	165				
888+00.00	888+80.00	ROUTE 32 LT.	AT ROUTE CC	141				
888+80.00	890+00.00	ROUTE 32 LT.	AT ROUTE CC		125			
890+00.00	897+87.78	ROUTE 32 LT.	AT ROUTE CC			569		
867+70.00	870+45.00	ROUTE 32 RT.	AT ROUTE CC			420		
870+45.00	872+75.00	ROUTE 32 RT.	AT ROUTE CC				1235	
872+75.00	884+00.00	ROUTE 32 RT.	AT ROUTE CC			3482		
884+00.00	353+00.56	ROUTE 32 RT.	AT ROUTE CC			129		RADIUS AT ROUTE CC LT
353+00.56	886+52.48	ROUTE 32 RT.	AT ROUTE CC			146		RADIUS AT ROUTE CC RT
886+52.48	887+29.00	ROUTE 32 RT.	AT ROUTE CC		261			
887+29.00	887+80.00	ROUTE 32 RT.	AT ROUTE CC	189				
888+40.00	888+92.00	ROUTE 32 RT.	AT ROUTE CC	233				
888+92.00	889+70.00	ROUTE 32 RT.	AT ROUTE CC		273			
889+70.00	898+26.00	ROUTE 32 RT.	AT ROUTE CC			1316		
341+96.00	353+00.56	ROUTE CC LT.	AT ROUTE CC			967		
342+46.00	342+76.00	ROUTE CC RT.	AT ROUTE CC	21				
342+76.00	343+21.00	ROUTE CC RT.	AT ROUTE CC		32			
343+21.00	344+63.19	ROUTE CC RT.	AT ROUTE CC			1365		
5+13.00	8+30.00	C.R. 825 LT.	AT ROUTE CC			556		
5+13.00	8+30.00	C.R. 825 RT.	AT ROUTE CC			319		
SUBPROJECT B								
1131+50.47	1132+50.47	ROUTE 32 LT.	AT C.R. 1350				81	
1132+50.47	1144+92.43	ROUTE 32 LT.	AT C.R. 1350			1185		
1145+12.43	1166+03.41	ROUTE 32 LT.	AT C.R. 1350			2923		
1152+00.47	1154+00.47	ROUTE 32 LT.	AT C.R. 1350		596			
1166+23.41	1170+46.97	ROUTE 32 LT.	AT C.R. 1350			368		
1131+50.47	1132+50.47	ROUTE 32 RT.	AT C.R. 1350				87	
1132+50.47	1144+92.43	ROUTE 32 RT.	AT C.R. 1350			1169		
1145+12.43	1158+97.32	ROUTE 32 RT.	AT C.R. 1350			2657		
1152+00.47	1154+00.47	ROUTE 32 RT.	AT C.R. 1350		596			
1159+50.00	1166+03.41	ROUTE 32 RT.	AT C.R. 1350			1904		
1166+25.00	1170+46.92	ROUTE 32 RT.	AT C.R. 1350			376		
4+84.12	9+80.64	C.R. 1350 LT.				458		
4+84.12	9+81.59	C.R. 1350 RT.				978		
SUBPROJECT C								
1982+36.40	1993+06.30	ROUTE 245 RT.				1305		
1993+27.48	2000+05.58	ROUTE 245 RT.				714		
2000+28.56	2006+77.71	ROUTE 245 RT.				449		
SUBPROJECT D								
128+52.51	139+06.20	ROUTE 32 RT.	AT ROUTE 123			835		
139+30.82	140+65.87	ROUTE 32 RT.	AT ROUTE 123			218		
140+65.87	143+00.00	ROUTE 32 RT.	AT ROUTE 123		597			
143+00.00	152+90.03	ROUTE 32 RT.	AT ROUTE 123			718		
			SUBTOTAL	749	2615	26994	3111	

EROSION CONTROL BLANKET

STATION	STATION	ROUTE	LOCATION	TYPE 2A (SY)	TYPE 2B (SY)	TYPE 2C (SY)	TYPE 2D (SY)	REMARKS
SUBPROJECT E								
1999+53.38	203+29.04	ROUTE 32 LT.	BARREN CR.		369			
203+58.35	205+00.00	ROUTE 32 LT.	BARREN CR.			86		
205+00.00	205+22.29	ROUTE 32 LT.	BARREN CR.				120	
206+61.79	209+00.00	ROUTE 32 LT.	BARREN CR.				443	
209+00.00	209+25.00	ROUTE 32 LT.	BARREN CR.			22		
209+25.00	212+05.55	ROUTE 32 LT.	BARREN CR.		256			
212+05.55	212+16.12	ROUTE 32 LT.	BARREN CR.			9		
199+53.38	203+33.48	ROUTE 32 RT.	BARREN CR.			538		
203+57.29	205+32.31	ROUTE 32 RT.	BARREN CR.				388	
206+51.81	209+00.00	ROUTE 32 RT.	BARREN CR.				540	
209+00.00	210+68.35	ROUTE 32 RT.	BARREN CR.			120		
210+68.35	212+16.12	ROUTE 32 RT.	BARREN CR.		128			
SUBPROJECT F								
356+00.00	366+18.33	ROUTE 32 LT.	AT 76TH RD.			995		
366+54.71	368+50.00	ROUTE 32 LT.	AT 76TH RD.			295		
368+50.00	369+10.00	ROUTE 32 LT.	AT 76TH RD.		135			
369+10.00	369+50.00	ROUTE 32 LT.	AT 76TH RD.	88				
370+50.00	370+80.00	ROUTE 32 LT.	AT 76TH RD.	99				
370+80.00	371+25.00	ROUTE 32 LT.	AT 76TH RD.		179			
371+25.00	371+88.28	ROUTE 32 LT.	AT 76TH RD.			99		
372+08.69	373+41.75	ROUTE 32 LT.	AT 76TH RD.			321		
373+41.75	373+73.91	ROUTE 32 LT.	AT 76TH RD.		241			
373+73.91	374+00.00	ROUTE 32 LT.	AT 76TH RD.	50				
374+00.00	374+38.00	ROUTE 32 LT.	AT 76TH RD.			98		
374+38.00	375+56.00	ROUTE 32 LT.	AT 76TH RD.	449				
375+56.00	376+91.71	ROUTE 32 LT.	AT 76TH RD.		193			
376+91.71	378+31.49	ROUTE 32 LT.	AT 76TH RD.			107		
356+00.00	357+65.22	ROUTE 32 RT.	AT 76TH RD.			58		
357+85.35	360+35.44	ROUTE 32 RT.	AT 76TH RD.			94		
360+59.39	368+60.00	ROUTE 32 RT.	AT 76TH RD.			406		
368+60.00	374+00.00	ROUTE 32 RT.	AT 76TH RD.				287	
374+00.00	378+31.49	ROUTE 32 RT.	AT 76TH RD.			125		
			SUBTOTAL	686	1501	3373	1778	
			SUBTOTAL	749	2615	26994	3111	
			TOTAL	1435	4116	30367	4889	

PAVEMENT MARKING REMOVAL -SUBPROJECT E

STATION	STATION	ROUTE	OFFSET	LOCATION	QTY. (LF)	DESCRIPTION/REMARKS
197+65.00	198+91.21				254	4" DOUBLE YELLOW FOR BYPASS
197+87.55	199+50.07				165	4" SOLID WHITE FOR BYPASS
212+05.55	214+11.25				207	4" SOLID WHITE FOR BYPASS
212+85.19	214+52.70				336	4" DOUBLE YELLOW FOR BYPASS
				SUBTOTAL	962	

TYPE 2 ROCK BLANKET

STATION	STATION	SUBPROJECT	ROUTE	LOCATION	DEPTH (FT)	FURNISHING TYPE 2 ROCK BLANKET (CY)	PLACING TYPE 2 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	REMARKS
205+22.30	205+81.83	E	ROUTE 32	BARREN CR.	2	238	238	358	WEST END OF BRIDGE A9327
206+06.32	206+61.80	E	ROUTE 32	BARREN CR.	2	252	252	378	EAST END OF BRIDGE A9327
9+22.00	10+96.00	E	BYPASS LT.	BARREN CR.	2	183	183	275	
9+22.00	10+96.00	E	BYPASS RT.	BARREN CR.	2	184	184	276	
					TOTAL	857	857	736	
					USE	857	857	736	

SUMMARY OF QUANTITIES
SHEET 5 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/18/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
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BRIDGE NO.

DESCRIPTION

DATE

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

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GUARDRAIL

STA	STA	SUBPROJECT	LOCATION	MGS GUARDRAIL (LF)	MGS GUARDRAIL 8' POST (LF)	MGS LONGSPAN GUARDRAIL (EA)	MGS BRIDGE APPROACH TRANSTION SECTION (REGULAR/ NO CURBS) (EA)	MASH TYPE A CRASHWORTHY END TERMINAL (EA)	END ANCHOR (EA)	REMARKS
868+54.9	874+45.7	A	RTE 32 RT., W/CC	487.5				2		
869+44.6	877+84.4	A	RTE 32 LT., W/CC	737.5				2		
204+26.2	205+52.3	E	RTE 32 LT., WEST END	37.5			1	1		BARREN CREEK BRIDGE - NW CORNER
206+31.8	208+45.2	E	RTE 32 LT., EAST END	125.0			1	1		BARREN CREEK BRIDGE - NE CORNER
203+38.7	205+52.3	E	RTE 32 RT., WEST END	125.0			1		1	BARREN CREEK BRIDGE - SW CORNER
206+31.8	207+57.9	E	RTE 32 RT., EAST END	37.5			1	1		BARREN CREEK BRIDGE - SE CORNER
366+47.0	376+25.0	F	RTE 32 RT., S-CURVE		765.5	1		2		
			TOTAL	1550.0	765.5	1	4	9	1	

EARTHWORK SUMMARY

STATION	STATION	SUBPROJECT	ROUTE	LOCATION	UNCLASSIFIED EXCAVATION (CY)	FILL (CY)	COMPACTING EMBANKMENT (CY)	EMBANKMENT IN PLACE (CY)	REMARKS
878+00.00	892+00.00	A	ROUTE 32	AT ROUTE CC	10816	3512	3512		STAGE 1
350+00.00	354+00.30	A	ROUTE CC		677	210	210		STAGE 1
892+00.00	898+26.00	A	ROUTE 32	AT ROUTE CC	1895	211	211		STAGE 2A
341+96.00	350+00.00	A	ROUTE CC		1468	311	311		STAGE 2A
5+00.00	8+30.42	A	C.R. 825		204	311	311		STAGE 2A
867+70.00	878+00.00	A	ROUTE 32	AT ROUTE CC	3043	20214	10531	9683	STAGE 2B
				SUBTOTAL	18103	24769	15086	9683	
1136+15.00	1152+50.00	B	ROUTE 32	AT C.R. 1350	6873	4669	4669		STAGE 1 (DENOTED 1A IN X-SECTIONS)
1155+50.00	1161+30.00	B	ROUTE 32	AT C.R. 1350	17134	1950	1950		STAGE 1 (DENOTED 1B IN X-SECTIONS)
8+31.50	9+80.00	B	C.R. 1350		1166	670	670		STAGE 1
1131+50.47	1136+15.00	B	ROUTE 32	AT C.R. 1350	794	215	215		STAGE 2 (DENOTED 2A IN X-SECTIONS)
1152+50.00	1155+50.00	B	ROUTE 32	AT C.R. 1350	450	9218	9218		STAGE 2 (DENOTED 2B IN X-SECTIONS)
1161+30.00	1170+46.92	B	ROUTE 32	AT C.R. 1350	2611	5201	5201		STAGE 2 (DENOTED 2C IN X-SECTIONS)
4+84.12	8+31.50	B	C.R. 1350		345	1467	1467		STAGE 2
				SUBTOTAL	29373	23390	23390		
1982+36.44	2006+77.70	C	ROUTE 32	AT ROUTE 245	2129	2104	2104	0	OBTAIN MATERIAL FROM SUBPROJECT D
128+52.40	152+90.03	D	ROUTE 32	AT ROUTE 123	2657	1362	1362	0	
199+53.38	212+16.12	E	ROUTE 32	BARREN CREEK	888	3519	740	2779	
1+63.07	19+22.12	E	ROUTE 32	BYPASS	1474	1618	1228	390	
				SUBTOTAL	2362	5137	1968	3169	
361+50.00	369+90.00	F	ROUTE 32	AT C.R. 76	4074	1567	1567		STAGE 1
356+00.00	361+50.00	F	ROUTE 32	AT C.R. 76	1646	69	69		STAGE 2A
369+90.00	378+31.49	F	ROUTE 32	AT C.R. 76	3871	1256	1256		STAGE 2B
				SUBTOTAL	9591	2892	2892	0	EXCESS 5101 CY
				TOTAL	64215	59654	46802	12852	
				USE	64215	N/A	46802	12852	

NOTE: DUE TO STAGING REQUIREMENTS (SEE TRAFFIC CONTROL PLANS AND JOB SPECIAL PROVISIONS), THE CONTRACTOR MAY BE REQUIRED TO TEMPORARILY STOCKPILE EXCAVATED MATERIAL OFF-SITE PRIOR TO FINAL PLACEMENT OF EMBANKMENT. TEMPORARY ON-SITE STOCKPILING OF MATERIAL MAY BE ALLOWED SUBJECT TO APPROVAL OF THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE MADE FOR TEMPORARY STAGING AREAS, TEMPORARY EROSION CONTROL, FOR HANDLING OF MATERIAL REQUIRED TO MEET THE STAGING REQUIREMENTS, OR FOR DISPOSAL OF EXCESS MATERIAL.

TYPE C BERM

STATION	STATION	ROUTE	TYPE C BERM (LF)	REMARKS
204+52.30	205+91.58	ROUTE 32	338.2	WEST END OF BRIDGE
205+85.30	207+31.80	ROUTE 32	350	EAST END OF BRIDGE
		TOTAL	688.2	
		USE	688	

SUMMARY OF QUANTITIES
SHEET 6 OF 13

SEAN D. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE PREPARED 9/30/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR / POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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COA# 00062
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Engineering beyond.

EROSION CONTROL (1)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	SEDIMENT TRAP	REMARKS
SUBPROJECT A								
867+70.00		ROUTE 32 LT.	AT ROUTE CC		12	1		
870+57.50		ROUTE 32 LT.	AT ROUTE CC		12	1		
870+71.10		ROUTE 32 LT.	AT ROUTE CC		12	1		
870+84.70		ROUTE 32 LT.	AT ROUTE CC		12	1		
870+98.35		ROUTE 32 LT.	AT ROUTE CC		14	1		
870+97.02	875+10.00	ROUTE 32 LT.	AT ROUTE CC	416		4.2		
875+10.00	877+74.94	ROUTE 32 LT.	AT ROUTE CC	264.7		2.6		
871+18.77		ROUTE 32 LT.	AT ROUTE CC		10	1		
871+25.56		ROUTE 32 LT.	AT ROUTE CC		10	1		
871+39.20		ROUTE 32 LT.	AT ROUTE CC		8	1		
872+75.00	875+10.00	ROUTE 32 LT.	AT ROUTE CC	246		2.5		
875+10.00	878+25.00	ROUTE 32 LT.	AT ROUTE CC	307		3.1		
886+90.00	887+55.00	ROUTE 32 LT.	AT ROUTE CC	65.4		0.7		
887+85.00	888+45.00	ROUTE 32 LT.	AT ROUTE CC	62.6		0.6		
888+50.00		ROUTE 32 LT.	AT ROUTE CC		8	1		
889+32.00		ROUTE 32 LT.	AT ROUTE CC		16	1		
890+10.50		ROUTE 32 LT.	AT ROUTE CC		15	1		
890+89.00		ROUTE 32 LT.	AT ROUTE CC		15	1		
891+75.50		ROUTE 32 LT.	AT ROUTE CC		16	1		
892+70.50		ROUTE 32 LT.	AT ROUTE CC		16	1		
893+78.00		ROUTE 32 LT.	AT ROUTE CC		16	1		
895+03.00		ROUTE 32 LT.	AT ROUTE CC		16	1		
896+18.00		ROUTE 32 LT.	AT ROUTE CC		16	1		
897+25.00		ROUTE 32 LT.	AT ROUTE CC		16	1		
869+51.32	875+10.00	ROUTE 32 RT.	AT ROUTE CC	560.5		5.6		
875+10.00	883+20.00	ROUTE 32 RT.	AT ROUTE CC	826.2		8.3		
867+70.00		ROUTE 32 RT.	AT ROUTE CC		12	1		
869+55.30		ROUTE 32 RT.	AT ROUTE CC		16	1		
869+72.70		ROUTE 32 RT.	AT ROUTE CC		16	1		
869+90.10		ROUTE 32 RT.	AT ROUTE CC		16	1		
870+07.70		ROUTE 32 RT.	AT ROUTE CC		16	1		
870+25.10		ROUTE 32 RT.	AT ROUTE CC		16	1		
870+42.50		ROUTE 32 RT.	AT ROUTE CC		16	1		
870+60.10		ROUTE 32 RT.	AT ROUTE CC		16	1		
870+77.50		ROUTE 32 RT.	AT ROUTE CC		16	1		
870+95.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
871+12.70		ROUTE 32 RT.	AT ROUTE CC		15	1		
871+30.00		ROUTE 32 RT.	AT ROUTE CC		12	1		
871+91.15	872+57.20	ROUTE 32 RT.	AT ROUTE CC	70		0.7		
872+55.00		ROUTE 32 RT.	AT ROUTE CC		6	1		
872+84.30		ROUTE 32 RT.	AT ROUTE CC		12	1		
874+92.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
876+74.00		ROUTE 32 RT.	AT ROUTE CC		12	1		
877+27.50		ROUTE 32 RT.	AT ROUTE CC		13	1		
877+65.20		ROUTE 32 RT.	AT ROUTE CC		16	1		
878+05.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
878+75.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
879+69.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
			SUBTOTAL	2818.4	546	67.3		

EROSION CONTROL (2)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	SEDIMENT TRAP	REMARKS
SUBPROJECT A CONT.								
883+20.00	883+82.31	ROUTE 32 RT.	AT ROUTE CC	65		0.7		
880+75.70		ROUTE 32 RT.	AT ROUTE CC		16	1		
881+82.50		ROUTE 32 RT.	AT ROUTE CC		16	1		
882+89.50		ROUTE 32 RT.	AT ROUTE CC		16	1		
887+06.50		ROUTE 32 RT.	AT ROUTE CC		11	1		
888+50.00		ROUTE 32 RT.	AT ROUTE CC		7	1		
889+14.40		ROUTE 32 RT.	AT ROUTE CC		16	1		
889+79.00		ROUTE 32 RT.	AT ROUTE CC		15	1		
890+43.00		ROUTE 32 RT.	AT ROUTE CC		12	1		
891+07.30		ROUTE 32 RT.	AT ROUTE CC		14	1		
891+71.50		ROUTE 32 RT.	AT ROUTE CC		16	1		
892+35.80		ROUTE 32 RT.	AT ROUTE CC		12	1		
893+11.60		ROUTE 32 RT.	AT ROUTE CC		16	1		
894+07.20		ROUTE 32 RT.	AT ROUTE CC		10	1		
895+34.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
896+69.00		ROUTE 32 RT.	AT ROUTE CC		16	1		
898+04.50		ROUTE 32 RT.	AT ROUTE CC		16	1		
343+36.50		ROUTE CC RT.			15	1		
345+03.80		ROUTE CC RT.			5	1		
347+15.00		ROUTE CC RT.			16	1		
349+35.00		ROUTE CC RT.			16	1		
350+43.90		ROUTE CC RT.			16	1		
351+36.00		ROUTE CC RT.			16	1		
352+28.00		ROUTE CC RT.			16	1		
0+30.00		ROUTE CC RT.			16	1		
343+93.00		ROUTE CC LT.			5	1		
347+17.00		ROUTE CC LT.			14	1		
349+74.00		ROUTE CC LT.			12	1		
351+63.50		ROUTE CC LT.			10	1		
352+42.00		ROUTE CC LT.			8	1		
0+10.00		ROUTE CC LT.			10	1		
6+45.00		C.R. 825 RT.			7	1		
6+54.00		C.R. 825 RT.			7	1		
8+30.00		C.R. 825 RT.			13	1		
8+30.00		C.R. 825 LT.			7	1		
			SUBTOTAL	2818.4	546	67.3		
			SUBTOTAL A	2883.4	980	102		
SUBPROJECT B								
1131+50.47		ROUTE 32 LT.	AT C.R. 1350		16	1		
1141+30.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1144+40.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1145+20.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1145+84.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1146+40.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1146+89.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1147+33.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1147+74.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1148+13.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1148+50.00		ROUTE 32 LT.	AT C.R. 1350		16	1		
1148+85.00		ROUTE 32 LT.	114733		16	1		
			SUBTOTAL	0	192	12		

SUMMARY OF QUANTITIES
SHEET 7 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/18/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

EROSION CONTROL (3)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
SUBPROJECT B CONT.							
1149+22.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1149+62.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1150+05.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1150+52.00		ROUTE 32 LT.	AT C.R. 1350		12	1	
1150+80.50		ROUTE 32 LT.	AT C.R. 1350		8	1	
1150+96.00		ROUTE 32 LT.	AT C.R. 1350		12	1	
1151+11.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1151+26.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1151+42.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1151+57.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1151+72.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1151+87.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1152+07.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1152+46.00		ROUTE 32 LT.	AT C.R. 1350		8	1	
1153+00.00		ROUTE 32 LT.	AT C.R. 1350		40	1	
1153+50.00		ROUTE 32 LT.	AT C.R. 1350		12	1	
1154+65.00		ROUTE 32 LT.	AT C.R. 1350		8	1	
1154+93.00		ROUTE 32 LT.	AT C.R. 1350		8	1	
1157+56.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1158+40.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1159+06.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1159+62.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1160+12.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1161+95.00		ROUTE 32 LT.	AT C.R. 1350		8	1	
1162+75.00		ROUTE 32 LT.	AT C.R. 1350		12	1	
1162+98.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1163+21.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1163+44.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1163+67.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1163+90.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1164+22.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1164+58.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1164+95.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1165+30.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1167+38.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1170+08.00		ROUTE 32 LT.	AT C.R. 1350		16	1	
1131+50.47		ROUTE 32 RT.	AT C.R. 1350		4	1	
1138+60.00		ROUTE 32 RT.	AT C.R. 1350		7	1	
1141+50.00		ROUTE 32 RT.	AT C.R. 1350		10	1	
1142+70.00		ROUTE 32 RT.	AT C.R. 1350		10	1	
1143+26.57	1144+45.00	ROUTE 32 RT.	AT C.R. 1350	119		1.2	
1145+27.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1145+90.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1146+44.50		ROUTE 32 RT.	AT C.R. 1350		16	1	
1146+93.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1147+37.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1147+79.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1148+17.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
			SUBTOTAL	0	192	12	
			SUBTOTAL B	119	879	60.2	

EROSION CONTROL (4)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
SUBPROJECT B							
1148+54.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1149+27.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1149+66.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1150+09.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1150+57.00		ROUTE 32 RT.	AT C.R. 1350		14	1	
1150+77.00		ROUTE 32 RT.	AT C.R. 1350		14	1	
1150+98.00		ROUTE 32 RT.	AT C.R. 1350		14	1	
1151+19.00		ROUTE 32 RT.	AT C.R. 1350		14	1	
1151+40.00		ROUTE 32 RT.	AT C.R. 1350		14	1	
1151+60.50		ROUTE 32 RT.	AT C.R. 1350		16	1	
1151+81.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1152+02.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1152+22.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1152+44.00		ROUTE 32 RT.	AT C.R. 1350		10	1	
1152+64.00		ROUTE 32 RT.	AT C.R. 1350		11	1	
1152+84.00		ROUTE 32 RT.	AT C.R. 1350		12	1	
1153+05.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1153+80.00	1154+10.00	ROUTE 32 RT.	AT C.R. 1350	30		0.3	
1154+10.00		ROUTE 32 RT.	AT C.R. 1350		8	1	
1154+36.00		ROUTE 32 RT.	AT C.R. 1350		8	1	
1154+61.00		ROUTE 32 RT.	AT C.R. 1350		10	1	
1154+86.00		ROUTE 32 RT.	AT C.R. 1350		12	1	
1155+11.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1155+35.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1155+76.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1156+45.00		ROUTE 32 RT.	AT C.R. 1350		30	1	
1157+15.00		ROUTE 32 RT.	AT C.R. 1350		30	1	
1157+84.00		ROUTE 32 RT.	AT C.R. 1350		30	1	
1158+50.00		ROUTE 32 RT.	AT C.R. 1350		30	1	
1160+25.00		ROUTE 32 RT.	AT C.R. 1350		8	1	
1161+30.00		ROUTE 32 RT.	AT C.R. 1350		12	1	
1161+77.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1162+04.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1162+28.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1162+51.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1162+74.00		ROUTE 32 RT.	AT C.R. 1350		10	1	
1162+97.00		ROUTE 32 RT.	AT C.R. 1350		6	1	
1163+24.00		ROUTE 32 RT.	AT C.R. 1350		8	1	
1163+50.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1163+77.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1164+08.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1164+43.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1164+78.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1165+14.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
1165+49.00		ROUTE 32 RT.	AT C.R. 1350		12	1	
1166+50.00		ROUTE 32 RT.	AT C.R. 1350		16	1	
5+57.00		C.R. 1350 RT.			6	1	
6+15.00		C.R. 1350 RT.			4	1	
6+69.80		C.R. 1350 RT.			12	1	
			SUBTOTAL	119	879	60.2	
			SUBTOTAL B	149	1586	108.5	

SUMMARY OF QUANTITIES
SHEET 8 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/18/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

EROSION CONTROL (5)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
SUBPROJECT B							
7+30.00		C.R. 1350 RT.			16	1	
7+75.00		C.R. 1350 RT.			16	1	
8+35.00		C.R. 1350 RT.			6	1	
8+48.30		C.R. 1350 RT.			16	1	
8+61.50		C.R. 1350 RT.			12	1	
9+05.67		C.R. 1350 RT.			6	1	
4+84.12		C.R. 1350 LT.			3	1	
5+50.00		C.R. 1350 LT.			8	1	
5+93.00		C.R. 1350 LT.			2	1	
7+40.00		C.R. 1350 LT.			8	1	
9+18.00		C.R. 1350 LT.			5	1	
			SUBTOTAL	119	879	60.2	
			SUBTOTAL B	119	977	71.2	
SUBPROJECT C							
1983+89.00		ROUTE 32	AT ROUTE 245		16	1	
1984+95.00		ROUTE 32	AT ROUTE 245		16	1	
1986+03.00		ROUTE 32	AT ROUTE 245		8	1	
1987+15.00		ROUTE 32	AT ROUTE 245		6	1	
1988+55.00		ROUTE 32	AT ROUTE 245		6	1	
1990+55.00		ROUTE 32	AT ROUTE 245		10	1	
1991+93.90		ROUTE 32	AT ROUTE 245		16	1	
2001+22.50		ROUTE 32	AT ROUTE 245		6	1	
2001+74.60		ROUTE 32	AT ROUTE 245		8	1	
2002+16.70		ROUTE 32	AT ROUTE 245		10	1	
2002+54.60		ROUTE 32	AT ROUTE 245		10	1	
2002+90.90		ROUTE 32	AT ROUTE 245		10	1	
2003+25.20		ROUTE 32	AT ROUTE 245		10	1	
2003+58.10		ROUTE 32	AT ROUTE 245		10	1	
2003+89.30		ROUTE 32	AT ROUTE 245		10	1	
2004+21.00		ROUTE 32	AT ROUTE 245		10	1	
2004+53.50		ROUTE 32	AT ROUTE 245		12	1	
2004+88.00		ROUTE 32	AT ROUTE 245		12	1	
2005+23.90		ROUTE 32	AT ROUTE 245		16	1	
2005+60.20		ROUTE 32	AT ROUTE 245		16	1	
2005+96.00		ROUTE 32	AT ROUTE 245		16	1	
2006+27.50		ROUTE 32	AT ROUTE 245		16	1	
2006+64.80		ROUTE 32	AT ROUTE 245		16	1	
			SUBTOTAL C	0	266	23	
SUBPROJECT D							
128+94.00		ROUTE 32	AT ROUTE 123		16	1	
129+74.00		ROUTE 32	AT ROUTE 123		16	1	
130+57.00		ROUTE 32	AT ROUTE 123		16	1	
131+55.00		ROUTE 32	AT ROUTE 123		16	1	
132+36.00		ROUTE 32	AT ROUTE 123		16	1	
133+46.00		ROUTE 32	AT ROUTE 123		16	1	
133+75.00		ROUTE 32	AT ROUTE 123		16	1	
134+29.00		ROUTE 32	AT ROUTE 123		16	1	
134+80.00		ROUTE 32	AT ROUTE 123		16	1	
135+26.00		ROUTE 32	AT ROUTE 123		16	1	
135+66.00		ROUTE 32	AT ROUTE 123		16	1	
			SUBTOTAL	490	490	735	

EROSION CONTROL (6)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
SUBPROJECT D							
136+03.00		ROUTE 32	AT ROUTE 123		16	1	
136+39.00		ROUTE 32	AT ROUTE 123		16	1	
136+76.00		ROUTE 32	AT ROUTE 123		16	1	
137+12.00		ROUTE 32	AT ROUTE 123		16	1	
137+49.00		ROUTE 32	AT ROUTE 123		16	1	
137+89.00		ROUTE 32	AT ROUTE 123		16	1	
138+39.00		ROUTE 32	AT ROUTE 123		16	1	
140+10.00	143+70.00	ROUTE 32	AT ROUTE 123	360.00		3.6	
143+70.00		ROUTE 32	AT ROUTE 123		4	1	
143+97.50		ROUTE 32	AT ROUTE 123		8	1	
143+97.50		ROUTE 32	AT ROUTE 123		12	1	
144+34.50		ROUTE 32	AT ROUTE 123		12	1	
144+71.50		ROUTE 32	AT ROUTE 123		15	1	
145+08.00		ROUTE 32	AT ROUTE 123		16	1	
145+45.30		ROUTE 32	AT ROUTE 123		16	1	
145+85.60		ROUTE 32	AT ROUTE 123		14	1	
146+27.40		ROUTE 32	AT ROUTE 123		12	1	
146+69.00		ROUTE 32	AT ROUTE 123		8	1	
147+10.50		ROUTE 32	AT ROUTE 123		6	1	
147+55.00		ROUTE 32	AT ROUTE 123		6	1	
147+40.00	152+60.00	ROUTE 32	AT ROUTE 123	520.00		5.2	
			SUBTOTAL	490	490	735	
			SUBTOTAL D	1370	731	762.8	
SUBPROJECT E							
199+85.50		ROUTE 32 LT.	BARREN CR.		18	1	
200+19.00		ROUTE 32 LT.	BARREN CR.		18	1	
200.54.2		ROUTE 32 LT.	BARREN CR.		16	1	
200+91.60		ROUTE 32 LT.	BARREN CR.		18	1	
201+32.30		ROUTE 32 LT.	BARREN CR.		15	1	
201+75.90		ROUTE 32 LT.	BARREN CR.		16	1	
202+77.40		ROUTE 32 LT.	BARREN CR.		20	1	
203+00.00		ROUTE 32 LT.	BARREN CR.		18	1	
203+75.00		ROUTE 32 LT.	BARREN CR.		15	1	
204+75.00		ROUTE 32 LT.	BARREN CR.		10	1	
209+50.00		ROUTE 32 LT.	BARREN CR.		17	1	
206+61.79	208+50.00	ROUTE 32 LT.	BARREN CR.	188.2		1.9	
208+50.00	212+30.00	ROUTE 32 LT.			16	2	
	EAST END	ROUTE 32 RT.			18	3	
	WEST END	ROUTE 32 RT.			12	2	
922+00.00		BYPASS LT.			60	10	
2+57.21	8+25.00	BYPASS RT.				1	
8+25.00	9+25.00	BYPASS RT.		100		1	
10+50.00	10+75.00	BYPASS RT.		50		0.5	
10+75.00	18+02.00	BYPASS RT.			30	5	
11+00.00	18+02.00	BYPASS LT.			30	5	
			SUBTOTAL E	338.2	347	42.4	

SUMMARY OF QUANTITIES
SHEET 9 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/18/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

EROSION CONTROL (7)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
SUBPROJECT F							
356+22.75		ROUTE 32 LT.	AT 76TH RD.		4	1	
358+98.30		ROUTE 32 LT.	AT 76TH RD.		16	1	
359+75.00		ROUTE 32 LT.	AT 76TH RD.		16	1	
360+42.00		ROUTE 32 LT.	AT 76TH RD.		5	1	
361+05.16		ROUTE 32 LT.	AT 76TH RD.		16	1	
361+68.32		ROUTE 32 LT.	AT 76TH RD.		16	1	
362+31.47		ROUTE 32 LT.	AT 76TH RD.		16	1	
362+94.63		ROUTE 32 LT.	AT 76TH RD.		16	1	
363+57.79		ROUTE 32 LT.	AT 76TH RD.		16	1	
364+20.95		ROUTE 32 LT.	AT 76TH RD.		16	1	
364+84.10		ROUTE 32 LT.	AT 76TH RD.		16	1	
365+47.26		ROUTE 32 LT.	AT 76TH RD.		16	1	
365+95.00		ROUTE 32 LT.	AT 76TH RD.		16	1	
367+25.59		ROUTE 32 LT.	AT 76TH RD.		16	1	
368+33.39		ROUTE 32 LT.	AT 76TH RD.		16	1	
369+08.33		ROUTE 32 LT.	AT 76TH RD.		21	1	
369+48.45		ROUTE 32 LT.	AT 76TH RD.		22	1	
370+00.00		ROUTE 32 LT.	AT 76TH RD.		22	1	
370+89.88		ROUTE 32 LT.	AT 76TH RD.		20	1	
372+50.47		ROUTE 32 LT.	AT 76TH RD.		17	1	
373+02.93		ROUTE 32 LT.	AT 76TH RD.		16	1	
373+55.40		ROUTE 32 LT.	AT 76TH RD.		17	1	
374+58.04		ROUTE 32 LT.	AT 76TH RD.		19	1	
374+82.72		ROUTE 32 LT.	AT 76TH RD.		19	1	
375+15.91		ROUTE 32 LT.	AT 76TH RD.		18	1	
375+68.93		ROUTE 32 LT.	AT 76TH RD.		17	1	
376+21.96		ROUTE 32 LT.	AT 76TH RD.		16	1	
376+74.99		ROUTE 32 LT.	AT 76TH RD.		14	1	
377+35.88		ROUTE 32 LT.	AT 76TH RD.		13	1	
356+00.00	356+42.00	ROUTE 32 RT.	AT 76TH RD.	42		0.4	
356+43.53		ROUTE 32 RT.	AT 76TH RD.		4	1	
357+11.93		ROUTE 32 RT.	AT 76TH RD.		16	1	
358+12.57		ROUTE 32 RT.	AT 76TH RD.		16	1	
359+43.88		ROUTE 32 RT.	AT 76TH RD.		4	1	
360+75.10		ROUTE 32 RT.	AT 76TH RD.		4	1	
361+39.85		ROUTE 32 RT.	AT 76TH RD.		9	1	
361+98.91		ROUTE 32 RT.	AT 76TH RD.		7	1	
362+57.97		ROUTE 32 RT.	AT 76TH RD.		7	1	
363+17.03		ROUTE 32 RT.	AT 76TH RD.		10	1	
363+76.00		ROUTE 32 RT.	AT 76TH RD.		16	1	
364+61.69		ROUTE 32 RT.	AT 76TH RD.		16	1	
365+38.84		ROUTE 32 RT.	AT 76TH RD.		16	1	
366+15.99		ROUTE 32 RT.	AT 76TH RD.		16	1	
366+80.37		ROUTE 32 RT.	AT 76TH RD.		16	1	
367+40.28		ROUTE 32 RT.	AT 76TH RD.		16	1	
368+00.18		ROUTE 32 RT.	AT 76TH RD.		16	1	
368+60.06		ROUTE 32 RT.	AT 76TH RD.		15	1	
			SUBTOTAL	42	672	46.4	

EROSION CONTROL (8)

STATION	STATION	ROUTE	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
SUBPROJECT F CONT.							
369+02.92		ROUTE 32 RT.	AT 76TH RD.		8	1	
369+45.78		ROUTE 32 RT.	AT 76TH RD.		16	1	
369+72.54		ROUTE 32 RT.	AT 76TH RD.		16	1	
369+85.00	374+12.00	ROUTE 32 RT.	AT 76TH RD.	397		4.0	
374+21.75		ROUTE 32 RT.	AT 76TH RD.		16	1	
374+47.58		ROUTE 32 RT.	AT 76TH RD.		15	1	
374+73.41		ROUTE 32 RT.	AT 76TH RD.		15	1	
374+99.24		ROUTE 32 RT.	AT 76TH RD.		15	1	
375+25.23		ROUTE 32 RT.	AT 76TH RD.		15	1	
376+16.79		ROUTE 32 RT.	AT 76TH RD.		15	1	
377+01.84		ROUTE 32 RT.	AT 76TH RD.		15	1	
			SUBTOTAL	42	672	46.4	
			SUBTOTAL F	439	818	60.4	
			SUBTOTAL A	2883	980	102	
			SUBTOTAL B	119	977	71	
			SUBTOTAL C	0	266	23	
			SUBTOTAL D	1370	731	763	
			SUBTOTAL E	338	347	42	
			SUBTOTAL F	439	818	60	
			TOTAL	5149	4119	1061	
			USE	5150	4120	1061	

SUMMARY OF QUANTITIES
SHEET 10 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/18/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
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OWN
Engineering beyond.

PAVEMENT MARKING

				CLASS 1 PAVEMENT MARKING				PREFORMED THERMOPLASTIC PAVEMENT MARKINGS			
RTE	STA.	STA.	LOCATION	4" INTERMITTENT YELLOW (LF)	4" SOLID YELLOW (LF)	4" SOLID WHITE (LF)	8" SOLID WHITE (LF)	24" SOLID WHITE (LF)	24" SOLID YELLOW (LF)	LEFT/RIGHT ARROW (EA)	REMARKS
RTE 32 @ ROUTE CC (SUBPROJECT A)											
RTE 32	867+60.00	898+40.00	LT/RT		6160	6111					
RTE CC	341+80.00	353+81.83	LT/RT	143	1834	2593	41	66			AROUND ISLAND
RTE 32 @ CR 1350 (SUBPROJECT B)											
RTE 32	1131+40.00	1170+55.00	LT/RT	356	6405	7830					
RTE 32 @ ROUTE 245 (SUBPROJECT C)											
RTE 32	1982+36.34	2006+77.66	LT/RT		8212	4975			811		
RTE 32	1994+10.68		2.82' LT.							1	
ROUTE 245	1993+06.30	1999+32.80	LT/RT		151	668	45	101			AROUND ISLAND
RTE 32 @ 123 (SUBPROJECT D)											
RTE 32	128+52.42	152+90.03	LT/RT		8190	4761			738		
RTE 32	140+19.77		13.45' RT.							1	
RTE32	141+45.01		13.65' RT.							1	
RTE 32	142+99.94		4.22' RT.							1	
RTE 123	138+37.05	141+20.53	LT/RT		204	382	45	115			AROUND ISLAND
RTE 32 @ BARREN CREEK (SUBPROJECT E)											
RTE 32	196+50.00	215+00.00	LT/RT	463	1812	3700					
BARREN CREEK	197+65.00	214+52.70	LT/RT		3410	2914					
RTE 32 @ S-CURVE (SUBPROJECT F)											
RTE 32	355+90.00	378+40.00	LT/RT	555	1040	4500					
			TOTAL	1517	37418	38434	131	282	1549	4	
			USE	38935		38434	131	282	1549	4	

ENTRANCES

STATION	ROUTE	SUBPROJECT	LOCATION	TYPE	WIDTH	RADIUS	GRADE	AREA (SF)	6" GRAVEL (A) CRUSHED STONE (B) (SY)	1.75" BP-1 PG64-22 1.948 TONS/CY (TONS)	4" PMBB PG64-22 1.943 TONS/CY (TONS)	REMARKS
897+97.80	32, LT	A	1 - 32 & CC	1	20	15	+1.50%	464	51.6			
344+75.95	CC, LT	A	1 - 32 & CC	1	20	20	-7.77%	1509	167.7			
344+75.95	CC, RT	A	1 - 32 & CC	1	20	20	-8.04%	1065	118.3			
1145+02.43	32, LT	B	2 -32 &1350	1	20	10	+3.00%	1936	215.1			
1145+02.43	32, RT	B	2 -32 &1350	1	20	10	-1.00%	1166	129.6			
1166+13.41	32, RT	B	2 -32 &1350	1	20	10	+0.20%	107	11.9			
1166+14.11	32, LT	B	2 -32 &1350	1	20	10	+2.00%	1041	115.7			
5+02.56	CR1350	B	2 -32 &1350	1	20	10	+3.00%	522	58.0			
1982+87.91	32, RT	C	3 - 32 & 245	1	10	10	+8.79%	338.1	37.6			
2+98.82	245, LT	C	3 - 32 & 245	1	20	20	-7.87%:-12.87%	1751.1	194.6			
2000+16.48	32, RT	C	3 - 32 & 245	1	20	20	-5%:-10%	1221.4	135.7			
203+45.47	RTE 32, LT.	E	5 -BARREN CR.	1	20	20	+1.00%	964		10.2	29.7	
203+45.47	RTE 32, RT.	E	5 -BARREN CR.	1	20	20	-6.9%:-11%	1531.7	170.2			
203+45.47	BYP 32, RT.	E	5 -BARREN CR.	1	20	20	-7%:-11%:-16%	362.9	40.3			
357+78.42	RTE 32, RT.	F	6 - 32 & 76 RD	1	20	10	-5.87%	656.2	72.9			
360+47.52	RTE 32, RT.	F	6 - 32 & 76 RD	1	20	20	+1.00%	638.7	71.0			
366+36.25	RTE 32, LT.	F	6 - 32 & 76 RD	1	20	20	+1%:+3%	3126.5	347.4			
371+98.35	RTE 32, LT.	F	6 - 32 & 76 RD	1	20	15	-5.54%	960.9	106.8			
TONS OF BP-1 SUBTOTAL CARRIED TO ALT. PAVEMENT										10.2		
					TOTAL				2044.4		29.7	
					USE				2044		29.7	

SUMMARY OF QUANTITIES
SHEET 11 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/18/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.

SHOULDER RUMBLE STRIP -SUBPROJECT A

STATION	STATION	ROUTE	LOCATION	ALT. A BIT. (STA.)	ALT. B PCCP (STA.)	ALT. C BIT. (STA.)	ALT. D PCCP (STA.)	DESCRIPTION/REMARKS
867+70.00	897+37.35	ROUTE 32 @ CC	LT.			29.7	29.7	
867+70.00	883+67.40	ROUTE 32 @ CC	RT.			16.0	16.0	
885+67.94	898+26.00	ROUTE 32 @ CC	RT.			12.6	12.6	
			SUBTOTAL	0	0	58.3	58.3	

SHOULDER RUMBLE STRIP -SUBPROJECT B

STATION	STATION	ROUTE	LOCATION	ALT. A BIT. (STA.)	ALT. B PCCP (STA.)	ALT. C BIT. (STA.)	ALT. D PCCP (STA.)	DESCRIPTION/REMARKS
1131+50.47	1144+42.43	ROUTE 32 @ 1350	LT.			12.9	12.9	
1146+42.43	1165+37.21	ROUTE 32 @ 1350	LT.			18.9	18.9	
1167+56.95	1170+46.92	ROUTE 32 @ 1350	LT.			2.9	2.9	
1131+50.51	1143+62.43	ROUTE 32 @ 1350	RT.			12.1	12.1	
1145+62.43	1157+79.89	ROUTE 32 @ 1350	RT.			12.2	12.2	
1159+88.34	1164+74.28	ROUTE 32 @ 1350	RT.			4.9	4.9	
1166+73.41	1170+46.99	ROUTE 32 @ 1350	RT.			3.7	3.7	
			SUBTOTAL	0	0	67.6	67.6	

SHOULDER RUMBLE STRIP -SUBPROJECT C

STATION	STATION	ROUTE	LOCATION	ALT. A BIT. (STA.)	ALT. B PCCP (STA.)	ALT. C BIT. (STA.)	ALT. D PCCP (STA.)	DESCRIPTION/REMARKS
1982+36.44	1991+76.01	RTE 32 @ RTE 245	RT.	9.4	9.4			
1993+78.28	1998+76.34	RTE 32 @ RTE 245	RT.	5.0	5.0			
2000+76.38	2006+77.70	RTE 32 @ RTE 245	RT.	6.0	6.0			
			SUBTOTAL	20.4	20.4	0	0	

SHOULDER RUMBLE STRIP -SUBPROJECT D

STATION	STATION	ROUTE	LOCATION	ALT. A BIT. (STA.)	ALT. B PCCP (STA.)	ALT. C BIT. (STA.)	ALT. D PCCP (STA.)	DESCRIPTION/REMARKS
128+52.51	137+87.33	RTE 32 @ RTE 123	RT.	9.3	9.3			
139+90.77	152+90.01	RTE 32 @ RTE 123	RT.	13.0	13.0			
			SUBTOTAL	22.3	22.3	0	0	

SHOULDER RUMBLE STRIP -SUBPROJECT E

STATION	STATION	ROUTE	LOCATION	ALT. A BIT. (STA.)	ALT. B PCCP (STA.)	ALT. C BIT. (STA.)	ALT. D PCCP (STA.)	DESCRIPTION/REMARKS
199+53.38	202+69.52	BARREN CREEK	LT.	3.2	3.2			
204+88.37	205+52.29	BARREN CREEK	LT.	0.6	0.6			
206+31.81	212+30.29	BARREN CREEK	LT.	6.0	6.0			
199+53.38	202+05.48	BARREN CREEK	RT.	2.5	2.5			
204+05.48	205+52.29	BARREN CREEK	RT.	1.5	1.5			
206+31.81	212+30.12	BARREN CREEK	RT.	6.0	6.0			
			SUBTOTAL	19.8	19.8	0	0	

SHOULDER RUMBLE STRIP -SUBPROJECT F

STATION	STATION	ROUTE	LOCATION	ALT. A BIT. (STA.)	ALT. B PCCP (STA.)	ALT. C BIT. (STA.)	ALT. D PCCP (STA.)	DESCRIPTION/REMARKS
356+00.00	365+76.15	S-CURVE	LT.	9.8	9.8			
367+76.90	371+38.26	S-CURVE	LT.	3.6	3.6			
373+38.71	378+31.49	S-CURVE	LT.	4.9	4.9			
356+00.00	356+36.29	S-CURVE	RT.	0.4	0.4			
358+37.46	359+07.02	S-CURVE	RT.	0.7	0.7			
361+06.93	378+31.49	S-CURVE	RT.	17.2	17.2			
			SUBTOTAL	36.6	36.6	0	0	
			TOTAL	99.1	99.1	125.9	125.9	

SUMMARY OF QUANTITIES
SHEET 12 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/18/2026

ROUTE	STATE
32	MO

DISTRICT	SHEET NO.
SW	3

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
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OWN
Engineering beyond.

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00	2	32.00				REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00	2	32.00				REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50	4	50.00				HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	12	192.00				SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00	2	32.00				NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25	4	25.00				ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	8	128.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00	4	64.00				DETOUR AHEAD
WO20-3	48X48	16.00	8	128.00				ROAD CLOSED AHEAD
WO20-4	48X48	16.00	3	48.00				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	1	16.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	8	128.00				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	4	64.00				SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	8	64.00				END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	8	48.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00	4	12.00				END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	12	144.00				SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	8	80.00				ROAD CLOSED
R11-3a	60X30	12.50	4	50.00				ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	1	12.50				ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	12	384.00				POINT OF PRESENCE
CONST-8	48X36	12.00	12	144.00				WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL
	1878

616-10.10 RELOCATED SIGNS	TOTAL
	0

EFFECTIVE: 07-01-2024

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	50	CHANNELIZER (TRIM LINE)
6161030	10	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6161099	4	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 6/3/2025
ROUTE: 32 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: CEDAR/POLK
JOB NO.: JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

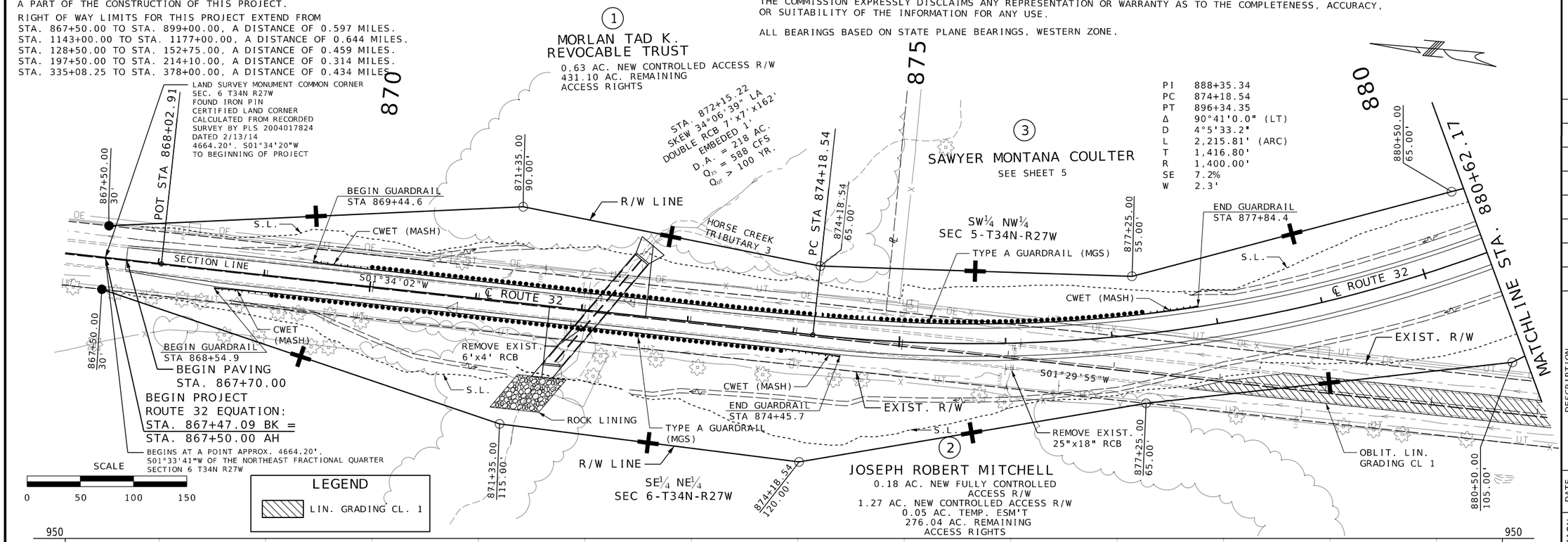
SUMMARY OF QUANTITIES
SHEET 13 OF 13

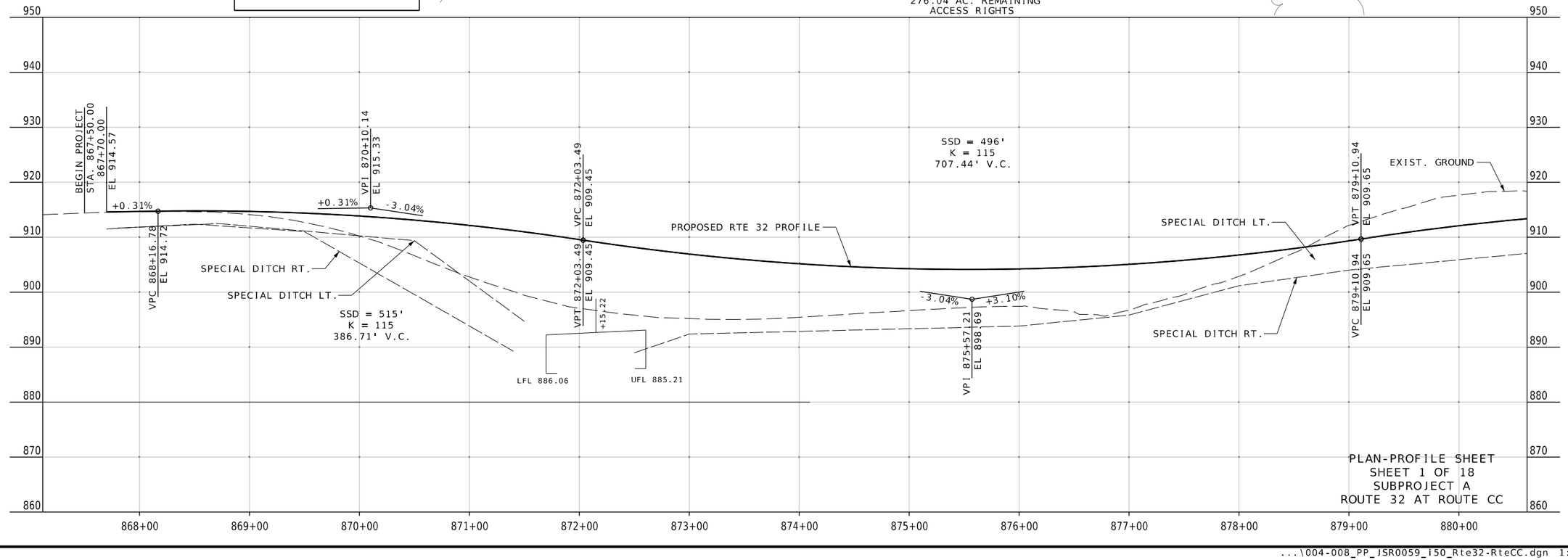
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM
STA. 867+50.00 TO STA. 899+00.00, A DISTANCE OF 0.597 MILES.
STA. 1143+00.00 TO STA. 1177+00.00, A DISTANCE OF 0.644 MILES.
STA. 128+50.00 TO STA. 152+75.00, A DISTANCE OF 0.459 MILES.
STA. 197+50.00 TO STA. 214+10.00, A DISTANCE OF 0.314 MILES.
STA. 335+08.25 TO STA. 378+00.00, A DISTANCE OF 0.434 MILES.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, WESTERN ZONE.





PLAN-PROFILE SHEET
SHEET 1 OF 18
SUBPROJECT A
ROUTE 32 AT ROUTE CC

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/28/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	4
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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LEGEND

LIN. GRADING CL. 1

MATCHLINE STA. 880+62.17

MATCHLINE STA. 894+12.55

STA. 885+07.44 ROUTE 32 =
STA. 354+12.30 ROUTE CC

885

890

(3) SAWYER MONTANA COULTER
1.86 AC. NEW FULLY CONTROLLED ACCESS R/W
4.07 AC. NEW CONTROLLED ACCESS R/W
145.09 AC. REMAINING (LT.-RTE 32)
ACCESS RIGHTS

SW¼ NW¼
SEC 5-T34N-R27W

STA. 887+94.55
SKEW 19°36'57" RA
DOUBLE RCB 5'X6'X94'
EMBEDDED 1'
D.A. = 154 AC.
Q_{25} = 350 CFS
Q_{50} = 492 CFS

PI 888+35.34
PC 874+18.54
PT 896+34.35
Δ 90°41'0.0" (LT)
D 4°5'33.2"
L 2,215.81' (ARC)
T 1,416.80'
R 1,400.00'
SE 7.2%
W 2.3'

881+75.00
50.00'

884+25.00
50.00'

886+00.00
50.00'

888+40.00
70.00'

891+50.00
50.00'

S.L.

R/W LINE

ROCK LINING

℄ ROUTE 32

881+75.00
95.00'

EXIST. ROUTE 32

EXIST. R/W

60' R.

95' R.

884+25.00
60.00'

886+00.00
60.00'

888+40.00
85.00'

891+50.00
70.00'

(3) SAWYER MONTANA COULTER
2.10 AC. REMAINING (LT.-RTE CC)

(3) SAWYER MONTANA COULTER
2.60 AC. REMAINING (RT.-RTE CC)

NW¼ SW¼
SEC 5-T34N-R27W

EXIST. 24" CMP

OBLIT. LIN. GRADING CL 1

(5) WHITESELL GARY JOE
SEE SHEET 6

SCALE
0 50 100 150

2' R.
885+24.85
24.01' RT.
2' R.
885+33.04
24.01' RT.
2' R.
885+24.75
32.17' RT.
LOW PROFILE ISLAND

300' R.
353+00.00
40.00'
884+70.41
112.83'
ROUTE CC
N46°55'59"E
885+49.08
112.97'
353+00.00
45.00'

960 950 940 930 920 910 900 890 880 870

881+00 882+00 883+00 884+00 885+00 886+00 887+00 888+00 889+00 890+00 891+00 892+00 893+00 894+00

VPI 881+12.93
EL 915.91

-0.40%

+3.10%

PROPOSED RTE 32 PROFILE

VPT 883+14.98
EL 915.10

EXIST. GROUND

SPECIAL DITCH RT.

SSD = 510'
K = 115
403.99' V.C.

VPC 885+45.62
EL 914.15

SPECIAL DITCH LT.

SSD = 548'
K = 115
364.10' V.C.

-0.41%

SPECIAL DITCH RT.

VPI 887+27.67
EL 913.41

+2.76%

+94.55

LFL 906.42

UFL 907.21

VPT 889+09.72
EL 918.43

VPC 889+09.72
EL 918.43

DITCH LT.

SPECIAL DITCH RT.

SSD = 1,111'
K = 466
632.87' V.C.

VPI 892+26.15
EL 927.16

+2.76%

+1.40%

PLAN-PROFILE SHEET
SHEET 2 OF 18
SUBPROJECT A
ROUTE 32 AT ROUTE CC

STATE OF MISSOURI
SEAN J. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/28/2026
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	5
COUNTY	CEDAR/POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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...\004-008_PP_JSR0059_i50_Rte32-RteCC.dgn 11:24:43 AM 9/28/2026

PI 888+35.34
PC 874+18.54
PT 896+34.35
Δ 90°41'0.0" (LT)
D 4°5'33.2"
L 2,215.81' (ARC)
T 1,416.80'
R 1,400.00'

895

¼ ¼ SECTION LINE

MATCHLINE STA. 894+12.55

895+00.00
50.00'

896+34.35
50.00'

PIT

STA 896+34.35

TYPE I DRWY. LT.
STA. 897+97.80
WIDTH = 20', 15'R.
+1.50% GRADE
17"x13" X 32' PIPE-ARCH
W/TYPE B1 FES

END PAVING
STA. 898+26.00

899+00.00
30.00'

900

3

SAWYER MONTANA COULTER

SEE SHEET 5

SE¼ NW¼
SEC 5-T34N-R27W

EXIST. R/W

END STA 904+50.04

S.L.

R/W LINE

℄ ROUTE 32

S89°11'05"E

EXIST. R/W

END PROJECT
ROUTE 32 EQUATION:
STA. 899+00.00 BK =
STA. 903+81.22 AH

S.L.

R/W LINE

895+00.00
55.00'

896+34.35
50.00'

899+00.00
30.00'

¼ ¼ SECTION LINE

5

WHITESELL GARY JOE

0.14 AC. NEW CONTROLLED ACCESS R/W
476.26 AC. REMAINING ACCESS RIGHTS

NE¼ SW¼
SEC 5-T34N-R27W

SCALE
0 50 100 150

970
960
950
940
930
920
910
900
890

END PAVING
STA 898+26.00

END PROJECT
STA 899+00.00 RTE. 32 BK =
STA 903+81.22 EX. RTE. 32 AHD

PROPOSED RTE 32 PROFILE

+1.40%

EXIST. GROUND

SPECIAL DITCH RT.

SPECIAL
DITCH LT.

VPT 895+42.59
EL 931.58

895+00 896+00 897+00 898+00 899+00 900+00 901+00 902+00 903+00 904+00

PLAN-PROFILE SHEET
SHEET 3 OF 18
SUBPROJECT A
ROUTE 32 AT ROUTE CC

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/28/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	6

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

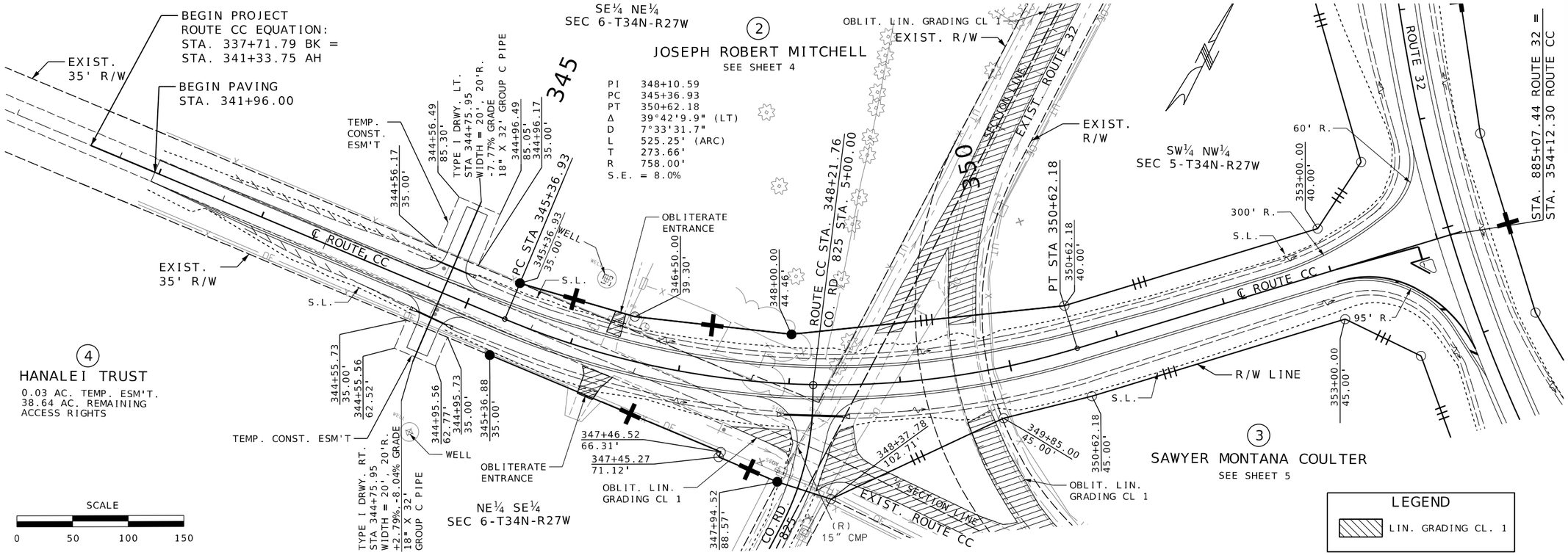
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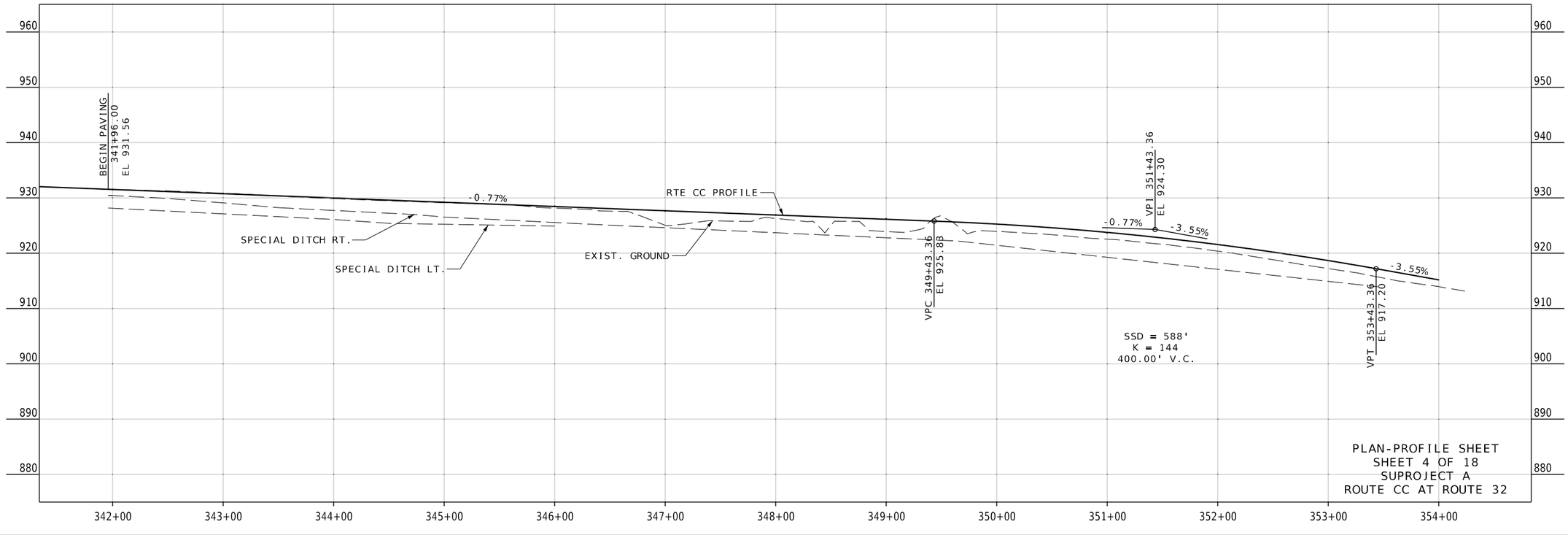
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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Carthage, MO 64836
417.358.9551
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PLAN-PROFILE SHEET
SHEET 4 OF 18
SUPROJECT A
ROUTE CC AT ROUTE 32

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

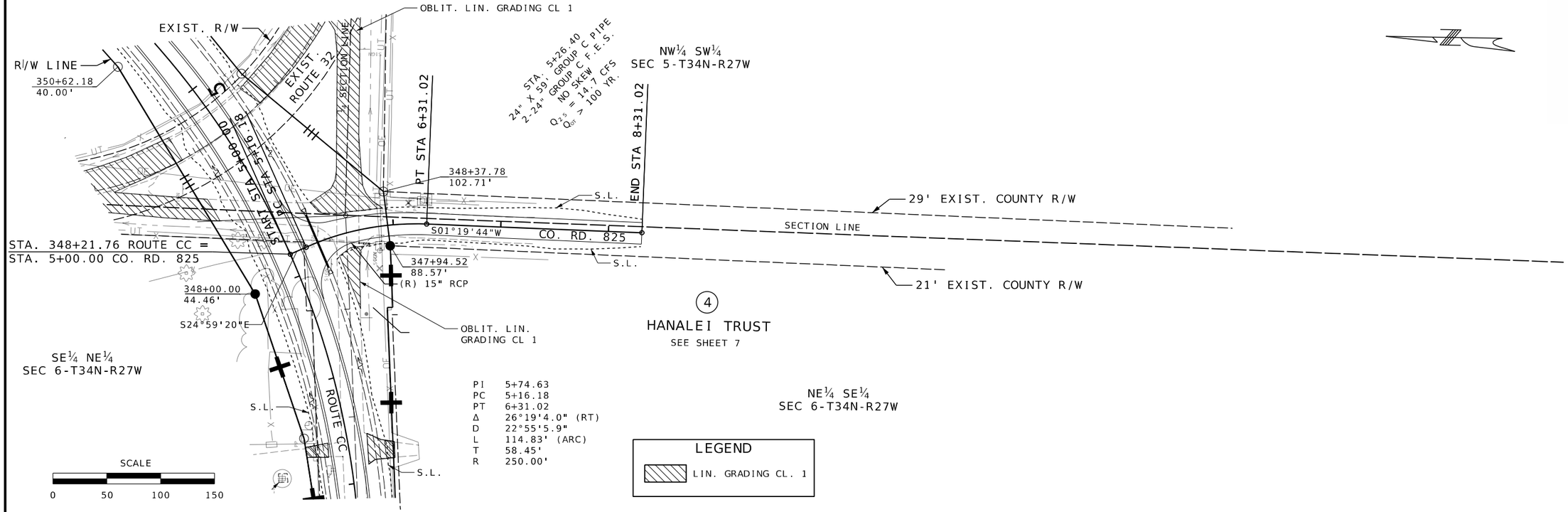
DATE PREPARED	
9/28/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	7
COUNTY	
CEDAR / POLK	
JOB NO.	
JSR0059	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	

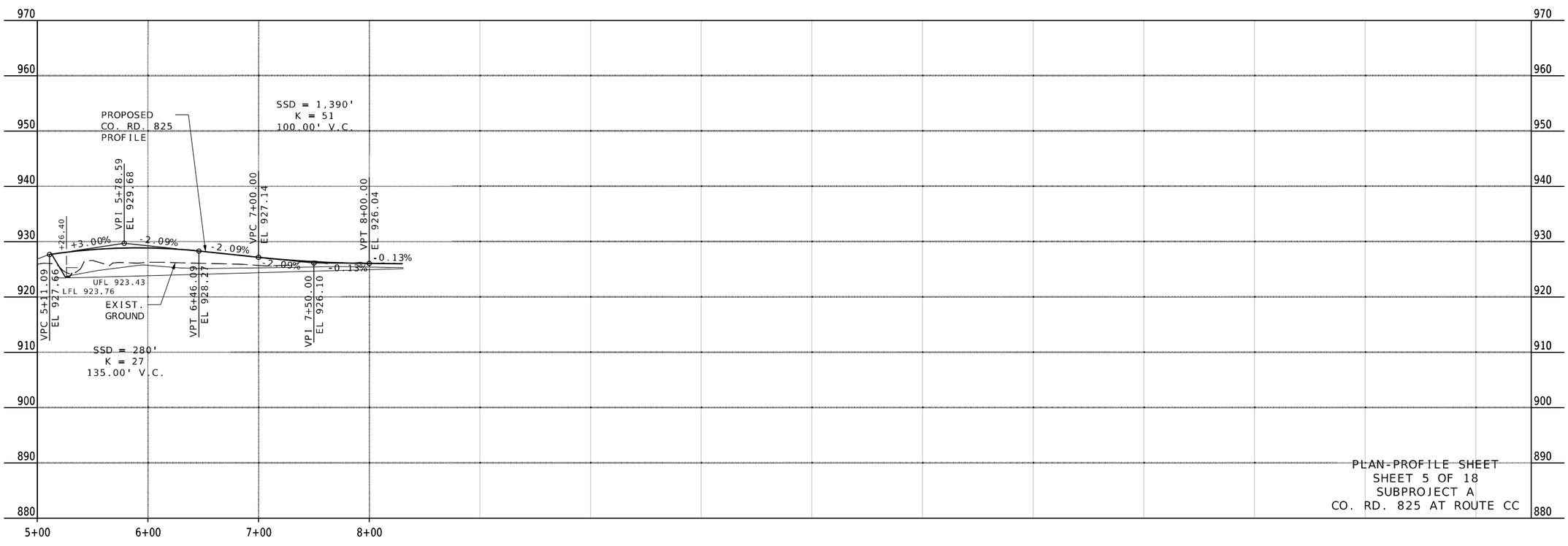
DESCRIPTION	DATE

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

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PLAN-PROFILE SHEET
SHEET 5 OF 18
SUBPROJECT A
CO. RD. 825 AT ROUTE CC

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/28/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	8
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

DESCRIPTION | DATE

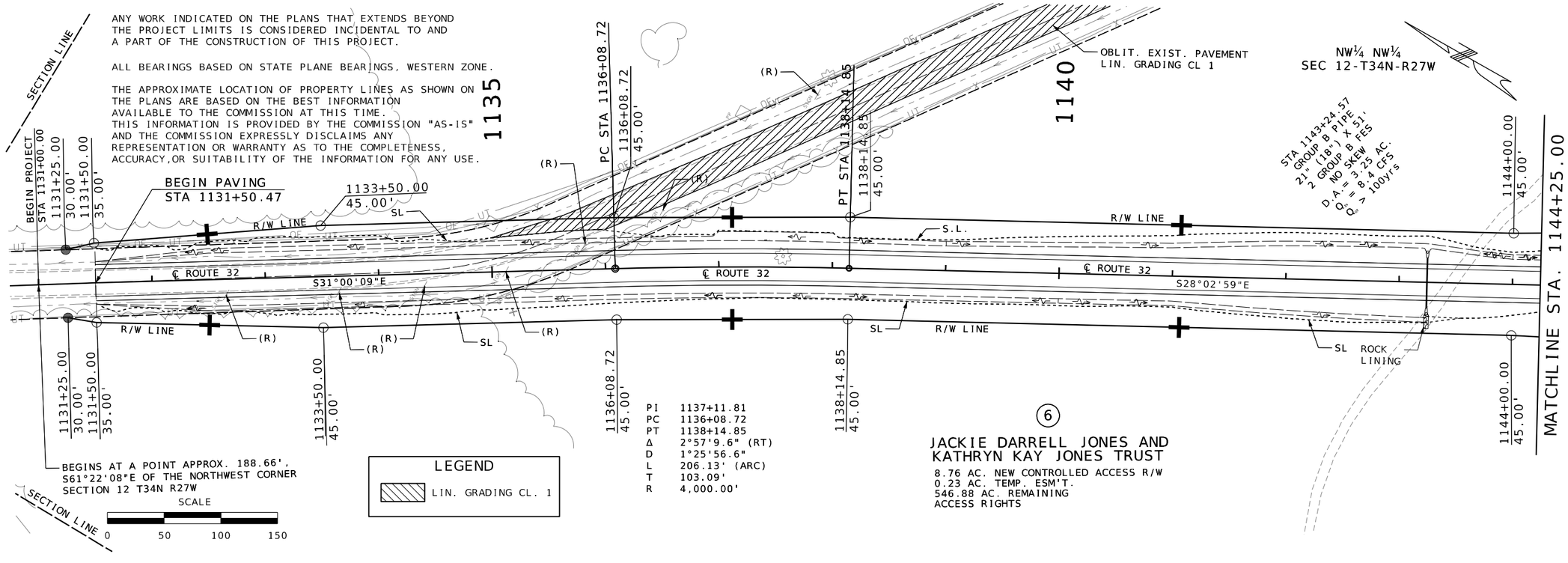
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, WESTERN ZONE.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.



LEGEND

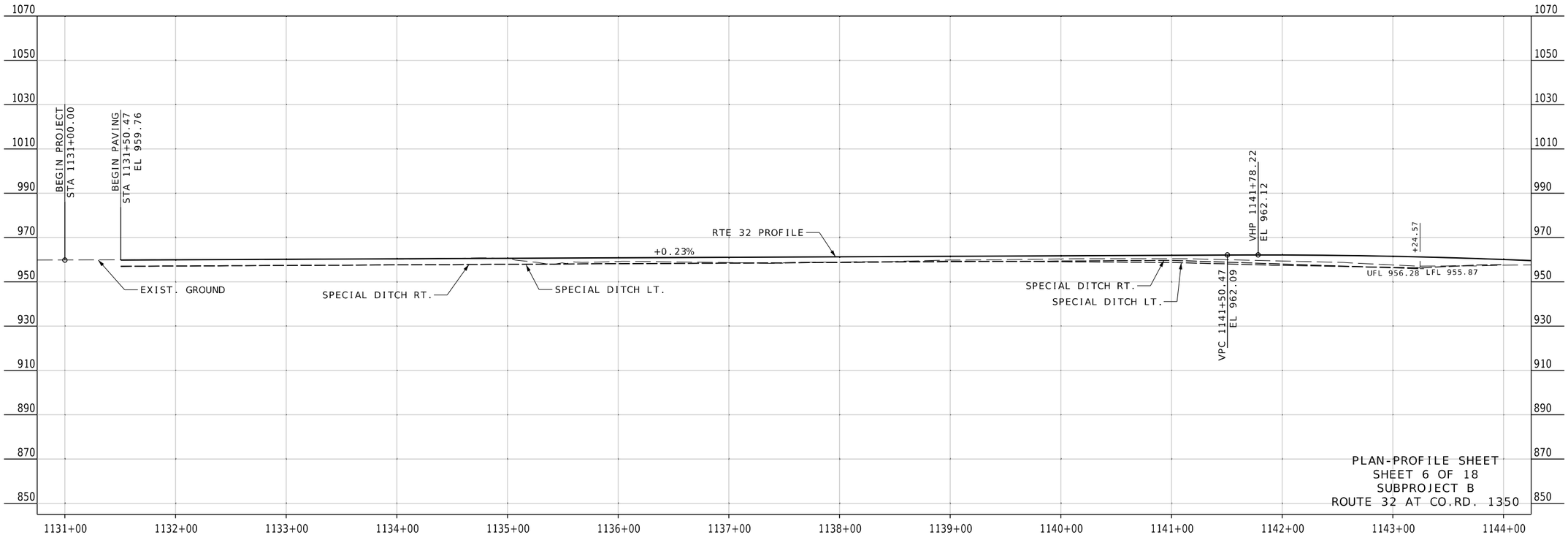
LIN. GRADING CL. 1

PI	1137+11.81
PC	1136+08.72
PT	1138+14.85
Δ	2°57'9.6" (RT)
D	1°25'56.6"
L	206.13' (ARC)
T	103.09'
R	4,000.00'

(6)

JACKIE DARRELL JONES AND KATHRYN KAY JONES TRUST

8.76 AC. NEW CONTROLLED ACCESS R/W
0.23 AC. TEMP. ESM'T.
546.88 AC. REMAINING ACCESS RIGHTS



PLAN-PROFILE SHEET
SHEET 6 OF 18
SUBPROJECT B
ROUTE 32 AT CO.RD. 1350

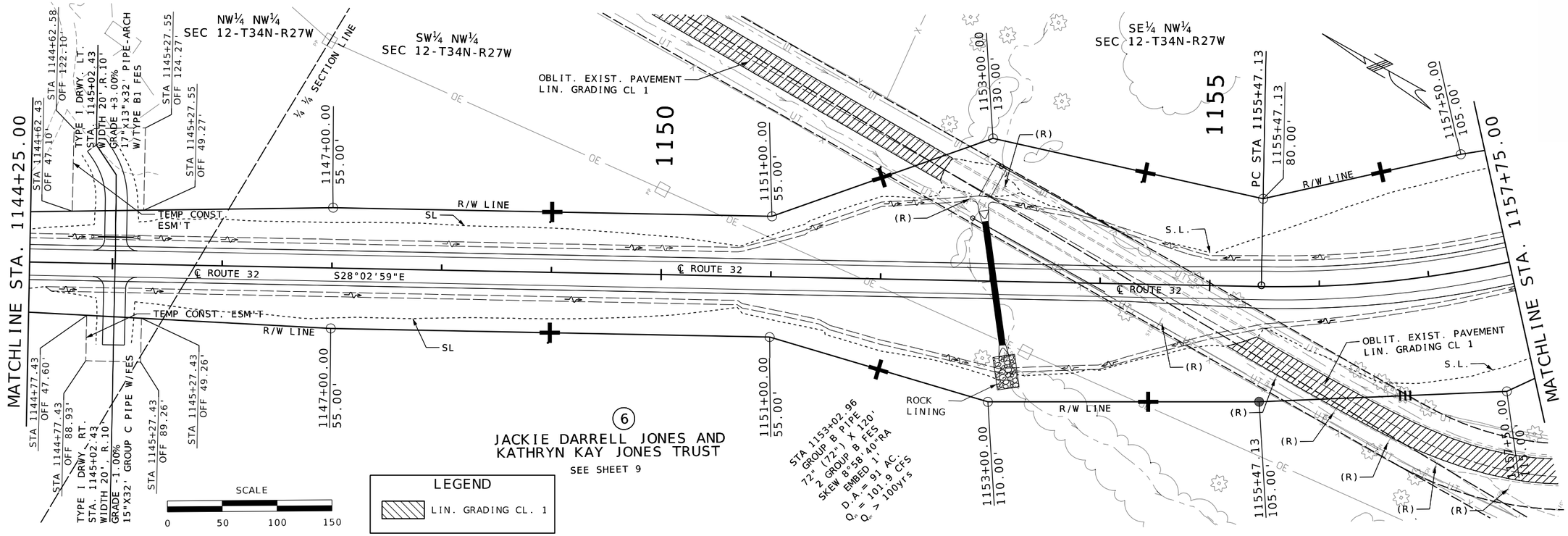
STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/28/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	9
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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OWN
Engineering beyond™



PLAN-PROFILE SHEET
SHEET 7 OF 18
SUBPROJECT B
ROUTE 32 AT CO.RD. 1350

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/20/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	10
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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Engineering beyond.

LEGEND

LIN. GRADING CL. 1

PI 1161+00.10
PC 1155+47.13
PT 1165+50.51
Δ 59°53'4.4" (LT)
D 5°58'5.9"
L 1,003.38' (ARC)
T 552.97'
R 960.00'
S.E. = 8.0%

6

JACKIE DARRELL JONES AND
KATHRYN KAY JONES TRUST

SEE SHEET 9

SE¼ NW¼
SEC 12-T34N-R27W

MATCHLINE STA. 1157+75.00

STA 159+25.47 (RTE.32)
STA 10+00.00 (CO.RD. 13

1159+90.00
70.00'

1160

STA 1161+49.57
30" (30") X 94'
2 GROUP B PIPE
GROUP B FES
NO SKEW
D.A. = 8.1 AC.
Q_{25} = 25 CFS
Q_{100} = 100yrs

1161+50.00
65.00'

1162+75.00
65.00'

1164+00.00
50.00'

1165

1165+50.51
45.00'
PT STA 1165+50.51

1165+88.41
80.00'
CONST. EASM'T

TYPE I DRWY. RT.
STA 1166+13.41
WIDTH 20', R.10'
GRADE +2.00%
15"x32' GROUP C PIPE

1166+48.41
80.00'

1166+91.07
45.00'
POT STA 1167+00.00

1167+00.00
45.00'

1170

1170+50.00
45.00'

1170+46.97
POT STA 1170+75.00

1170+75.00
35.00'

END PROJECT
ROUTE 32 EQUATION:
STA 1171+00.00 BK =
STA 1171+17.20 AH

STA 1175+17.20

R/W LINE

℄ ROUTE 32

S88°02'38"E

S87°58'15"E

S87°56'04"E

ROCK
LINING

OBLIT. LIN.
GRADING CL 1
1158+75.00
90.00'

PT STA 9+27.57

℄ CR 1350
N39°22'12"E

S.L.

(R)

1161+50.00
85.00'

1161+50.00
100.00'

OBLIT. LIN.
GRADING
CL 1

1162+75.00
80.00'

1164+00.00
70.00'

1165+50.51
55.00'

1165+88.41
52.46'

1165+88.41
62.46'

TYPE I DRWY LT.
1166+13.41
STA 20', R.10'
WIDTH +0.20% PIPE-ARCH
GRADE 17"x13"x32'
W/TYPE B1 FES

1166+38.29
49.12'

1166+38.29
59.12'

TEMP. CONST.
EASM'T

1167+00.00
45.00'

STA 1170+03.00
HORIZONTAL ELLIPTICAL RCP
19" X 30" X 38'
2 TAPERED END SECTION
NO SKEW
D.A. = 7.5 AC.
Q_{25} = 16.8 CFS
Q_{100} = 100yrs

SE¼ NW¼
SEC 12-T34N-R27W

NW¼ SE¼
SEC 12
T34N-R27W

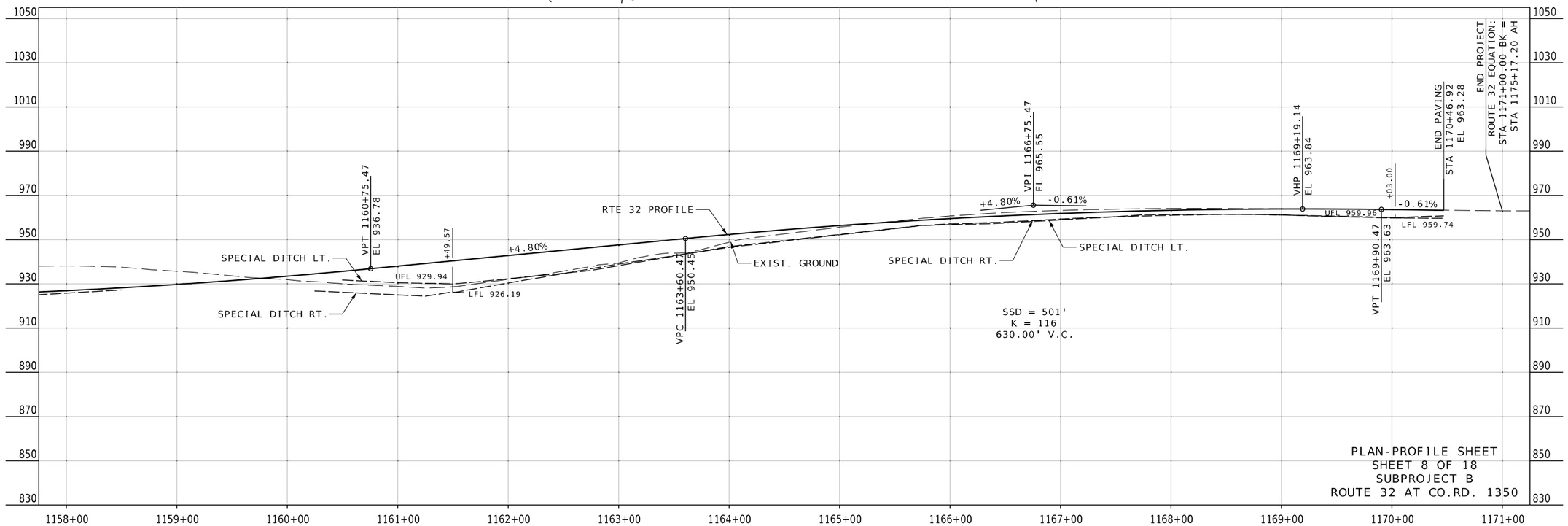
1170+50.00
40.00'

1170+75.00
35.00'

¼ SECTION LINE

PI 7+79.65
PC 6+07.35
PT 9+27.57
Δ 52°25'13.8" (LT)
D 16°22'12.8"
L 320.22' (ARC)
T 172.30'
R 350.00'

SCALE
0 50 100 150



PLAN-PROFILE SHEET
SHEET 8 OF 18
SUBPROJECT B
ROUTE 32 AT CO.RD. 1350

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/20/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	11

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

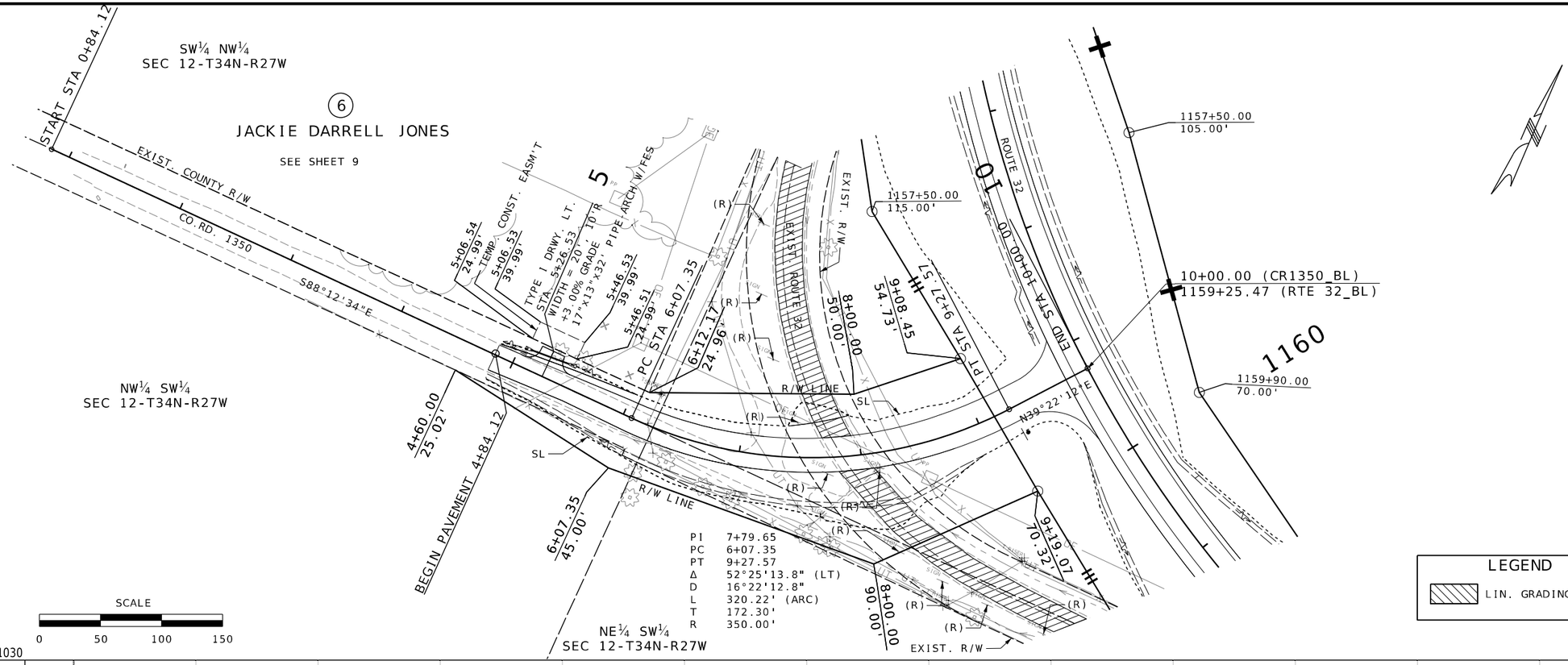
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.



PLAN-PROFILE SHEET
SHEET 9 OF 18
SUBPROJECT B
CO.RD. 1350 AT ROUTE 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/20/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	12

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

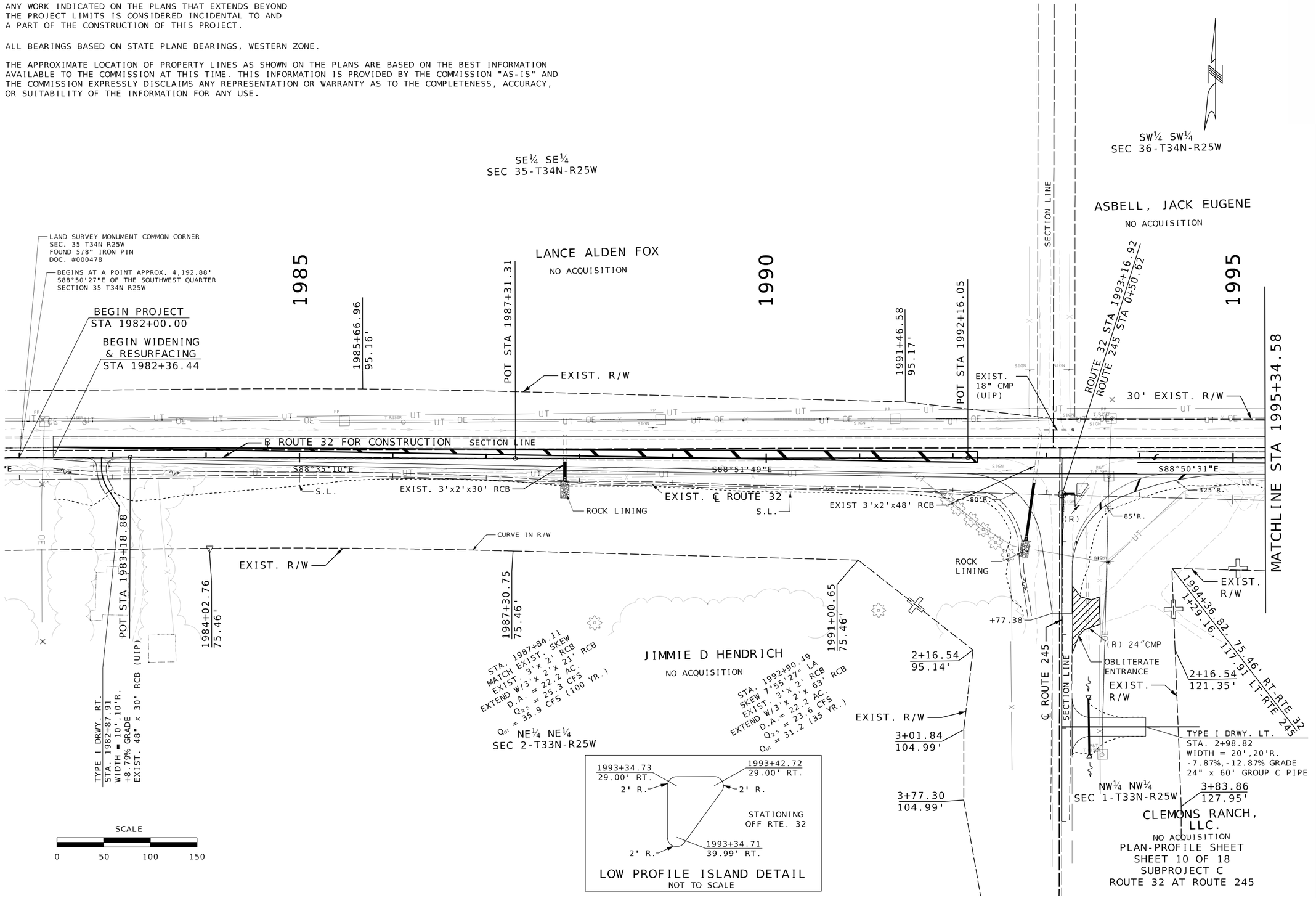
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, WESTERN ZONE.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.



PLAN-PROFILE SHEET
SHEET 10 OF 18
SUBPROJECT C
ROUTE 32 AT ROUTE 245

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/20/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	13
COUNTY	
CEDAR / POLK	
JOB NO.	
JSR0059	
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)

OWN
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

SW¼ SW¼
SEC 36-T34N-R25W

SE¼ SW¼
SEC 36-T34N-R25W

¼ ¼ SECTION LINE

JACK EUGENE ASBELL
NO ACQUISITION

2000

2005

POT STA 1996+87.70

POT STA 2005+06.32

MATCHLINE STA 1995+34.58

END WIDENING
& RESURFACING
STA 2006+77.70

END PROJECT
STA 2007+00.00

EXIST. R/W

℄ ROUTE 32 FOR CONSTRUCTION

S88°50'31"E (R)

S88°54'29"E (R)

S88°32'16"E

S.L.

S.L.

EXIST. ℄ ROUTE 32

EXIST. R/W

FE 15" CMP=942.10

FE 18" CMP=946.01

TYPE I DRWY. RT.
STA. 2000+16.48
WIDTH = 20', 20'R.
-5.00%, -10.00% GRADE
NO PIPE

2001+42.05
75.45' JACK EUGENE ASBELL
NO ACQUISITION

2004+69.19
75.45'

CLEMONS RANCH, LLC.
NO ACQUISITION

CLEMONS RANCH, LLC.
NO ACQUISITION

NW¼ NW¼
SEC 1-T33N-R25W

NE¼ NW¼
SEC 1-T33N-R25W

SCALE
0 50 100 150

PLAN-PROFILE SHEET
SHEET 11 OF 18
SUBPROJECT C
ROUTE 32 AT ROUTE 245

...\013-014_PP_JSR0059_I50_Rte245.dgn 11:26:16 AM 9/28/2026

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/28/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	14

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

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)

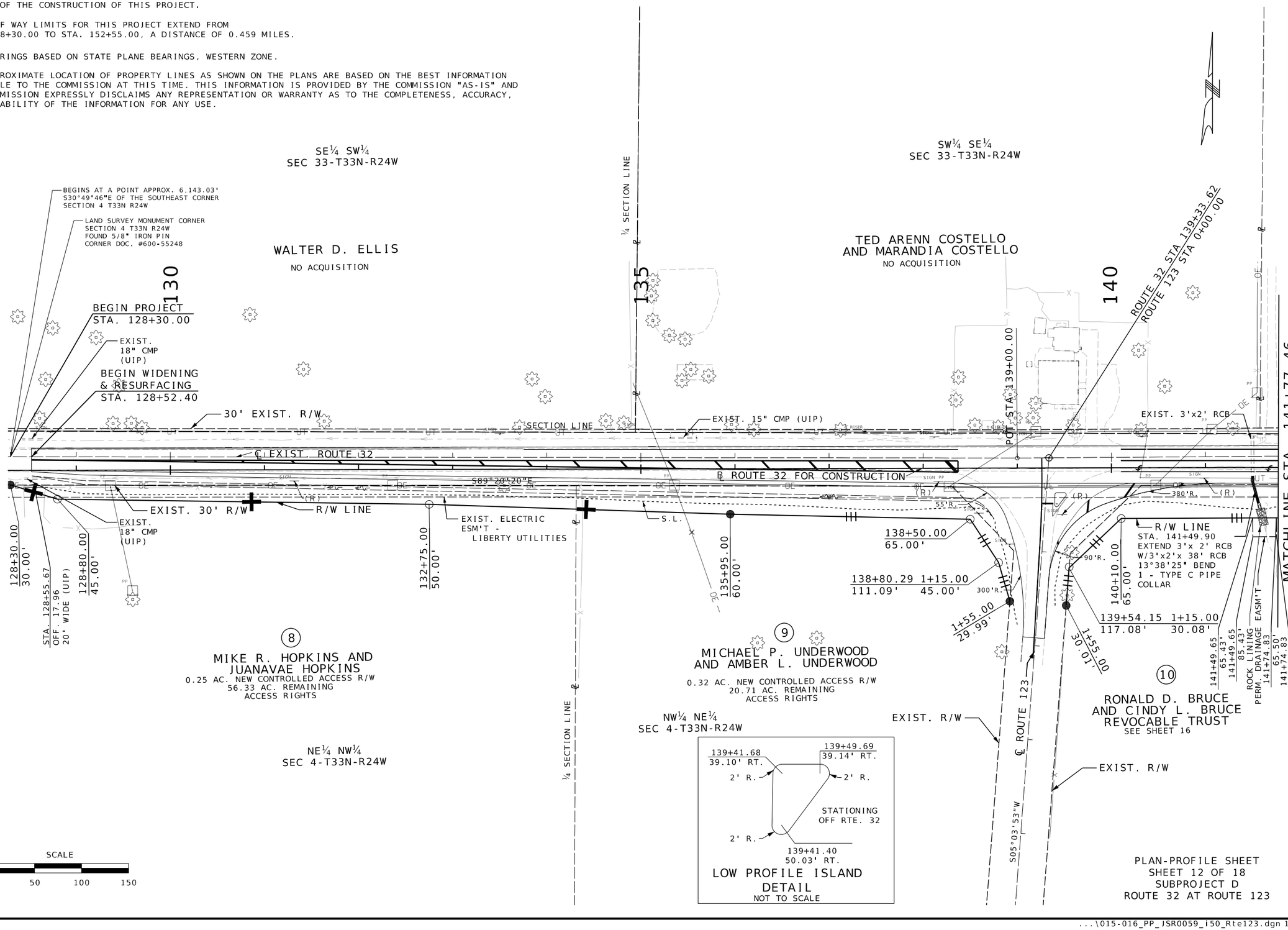
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 128+30.00 TO STA. 152+55.00, A DISTANCE OF 0.459 MILES.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, WESTERN ZONE.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.



PLAN-PROFILE SHEET
SHEET 12 OF 18
SUBPROJECT D
ROUTE 32 AT ROUTE 123

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/28/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	15
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearedown.com
Engineering beyond.

SW¼ SE¼
SEC 33-T33N-R24W

SE¼ SE¼
SEC 33-T33N-R24W

¼ ¼ SECTION LINE

CAITLIN R SHORTT
AND NICHOLAS D SHORTT
NO ACQUISITION

WILBUR E STEWART
AND DEBORAH K STEWART
NO ACQUISITION

145

150

155

MATCHLINE STA. 141+77.46

POT STA 142+00.00

30' EXIST. R/W

SECTION LINE

℄ EXIST. ROUTE 32

S88°54'50"E

END WIDENING
& RESURFACING
STA. 152+90.03

END PROJECT
STA. 154+00.00

S.L.

(R)

R/W LINE

S.L.

142+60.00
65.00'

147+75.00
40.00'

150+75.00
35.00'

EXIST. ELECTRIC
ESM'T -
LIBERTY UTILITIES

152+55.00
30.00'

30' EXIST. R/W

10

RONALD D. BRUCE
AND CINDY L. BRUCE
REVOCABLE TRUST
0.21 AC. NEW FULLY CONTROLLED
ACCESS R/W
0.33 AC. NEW CONTROLLED ACCESS R/W
0.01 AC. PERMANENT DRAINAGE EASEMENT
121.14 AC. REMAINING
ACCESS RIGHTS

NW¼ NE¼
SEC 4-T33N-R24W

¼ ¼ SECTION LINE

NE¼ NE¼
SEC 4-T33N-R24W

SCALE
0 50 100 150

PLAN-PROFILE SHEET
SHEET 13 OF 18
SUBPROJECT D
ROUTE 32 AT ROUTE 123

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/28/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	16

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

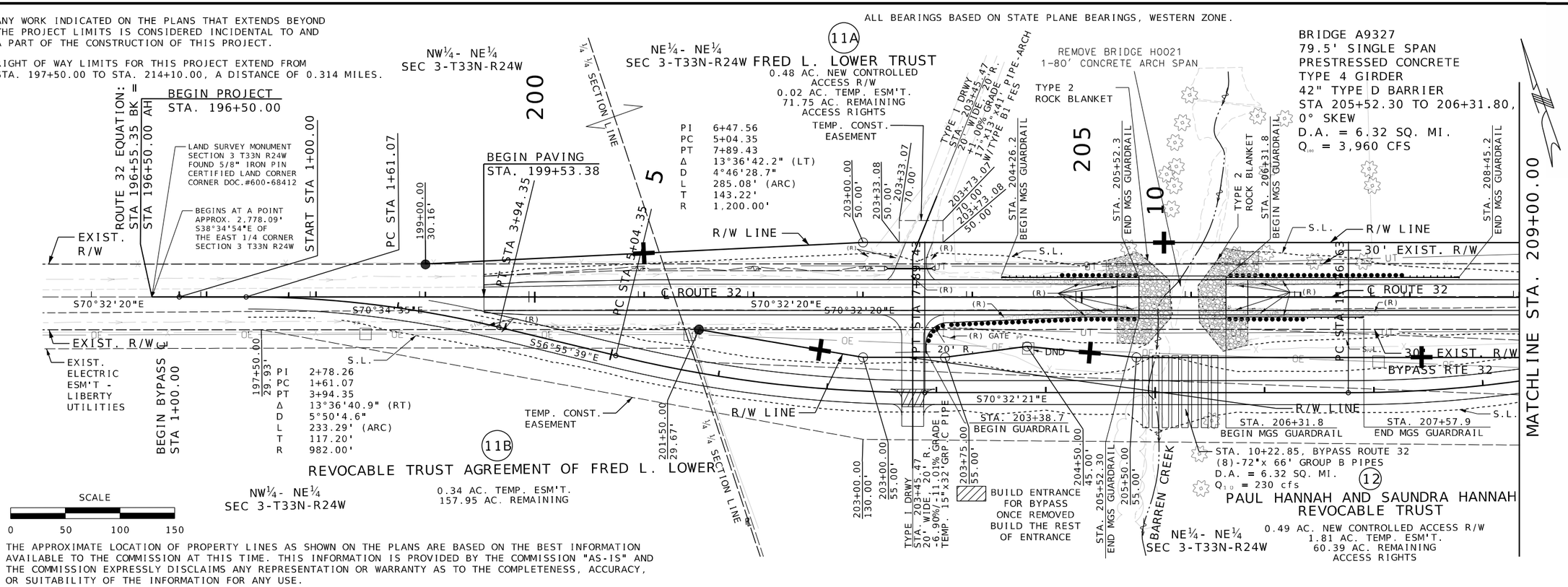
OWN
Engineering beyond™

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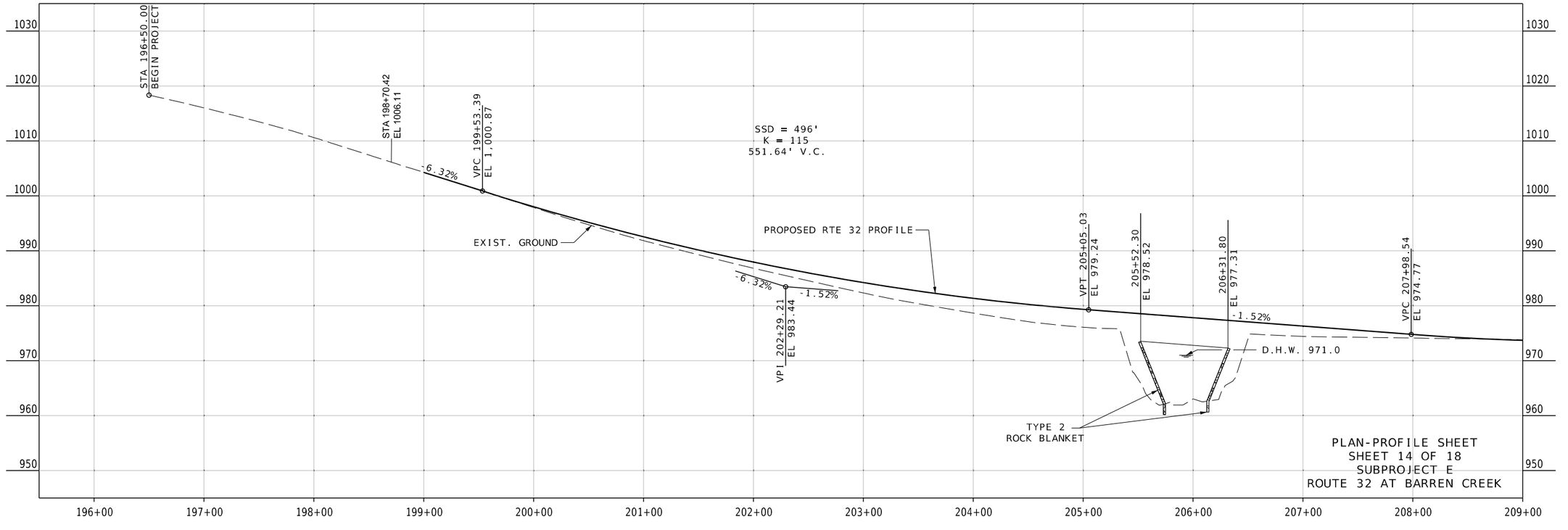
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 197+50.00 TO STA. 214+10.00, A DISTANCE OF 0.314 MILES.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, WESTERN ZONE.



THE APPROXIMATE LOCATION OF PROPERTY LINES 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.



PLAN-PROFILE SHEET
SHEET 14 OF 18
SUBPROJECT E
ROUTE 32 AT BARREN CREEK

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
9/28/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	17
COUNTY	
CEDAR/POLK	
JOB NO.	
JSR0059	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	

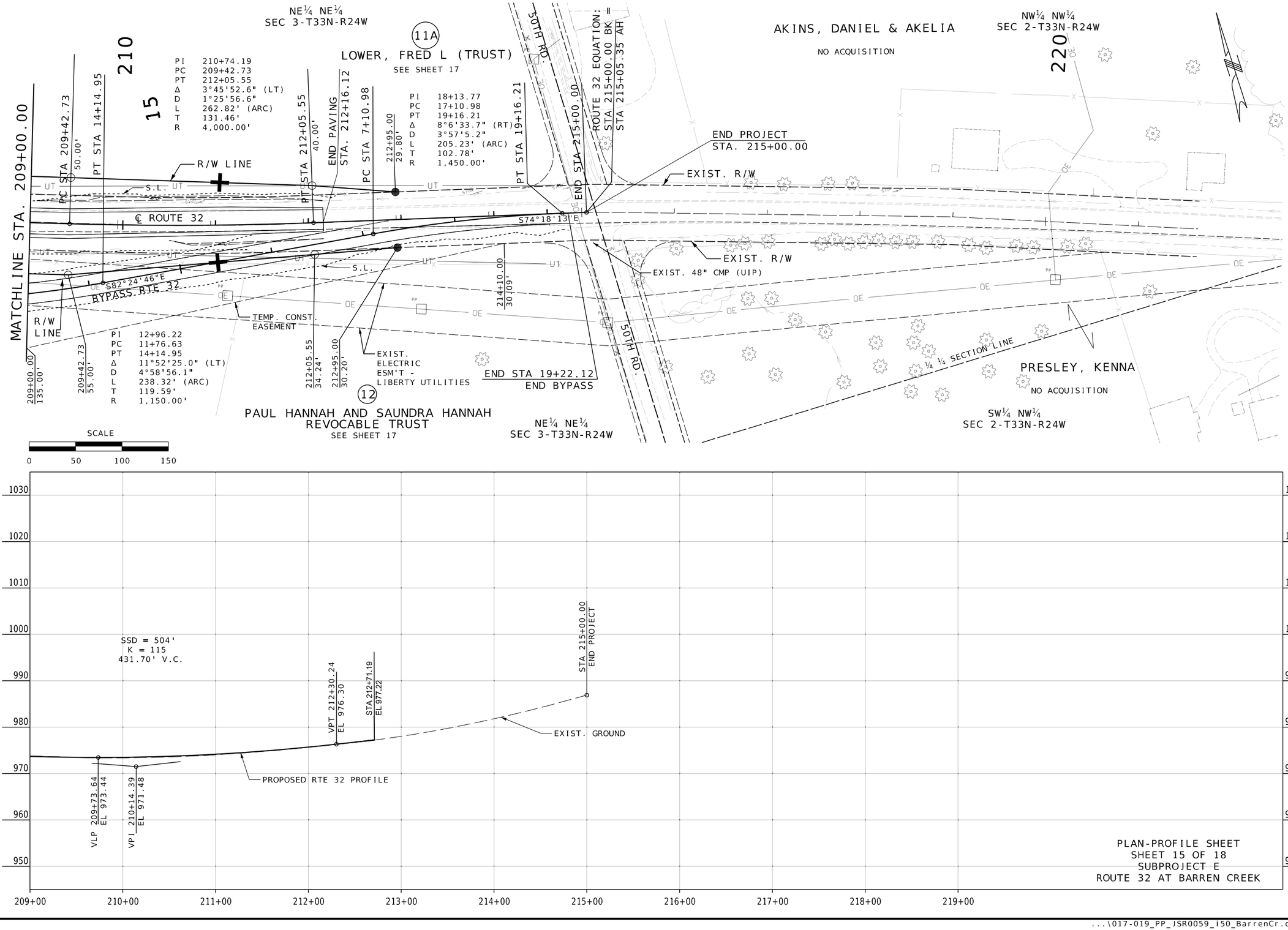
DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

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PLAN-PROFILE SHEET
SHEET 15 OF 18
SUBPROJECT E
ROUTE 32 AT BARREN CREEK

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/28/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	18

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

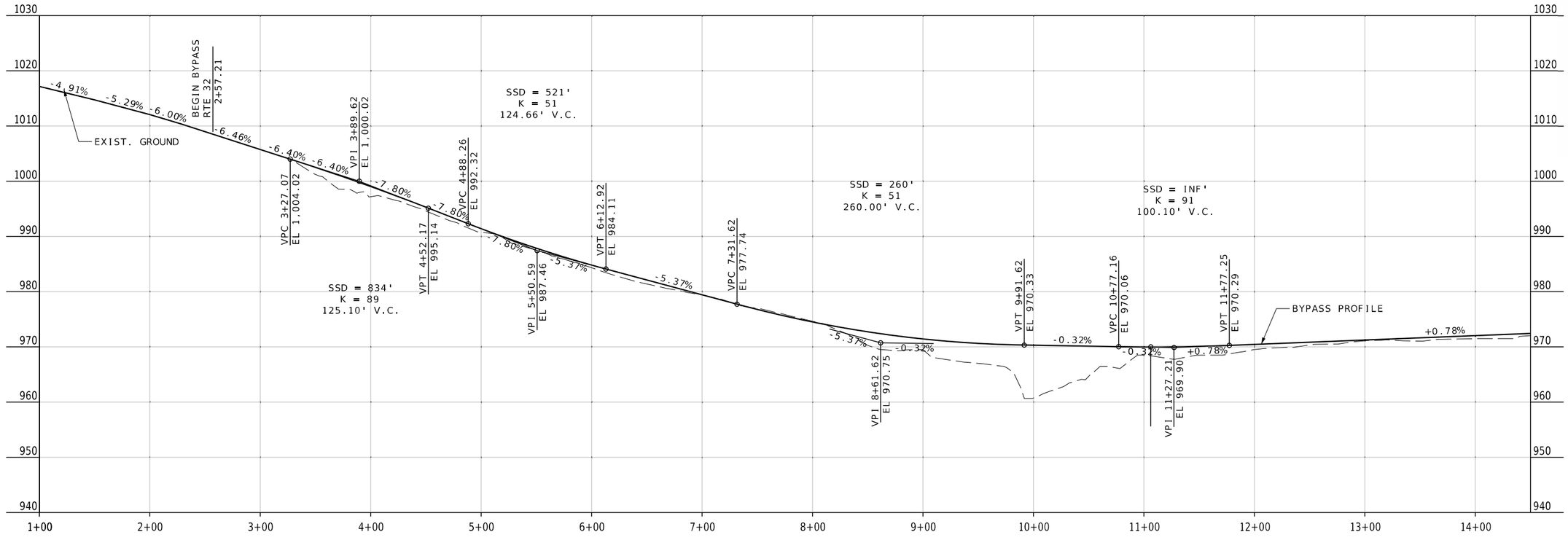
DESCRIPTION	DATE

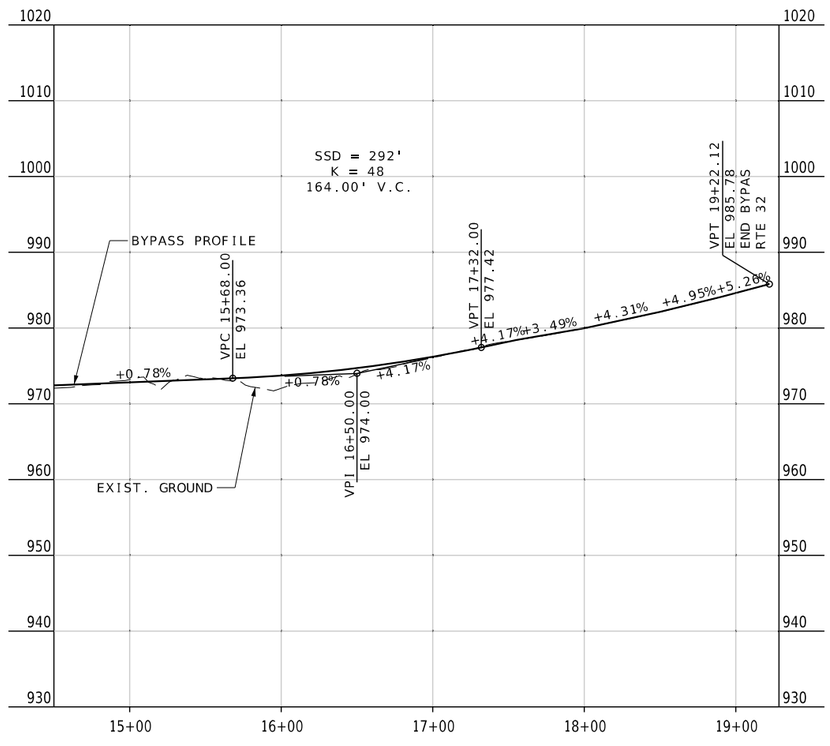
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
"Engineering beyond."

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NOTE: THE TEMPORARY BYPASS MAY BE PRONE TO FLOODING EVENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE COSTS AND FOR ANY REPAIR COSTS DUE TO FLOODING.

PROFILE-PLAN SHEET
SHEET 16 OF 18
SUBPROJECT E
ROUTE 32 BYPASS AT BARREN CREEK

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/28/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	19
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

DESCRIPTION | DATE

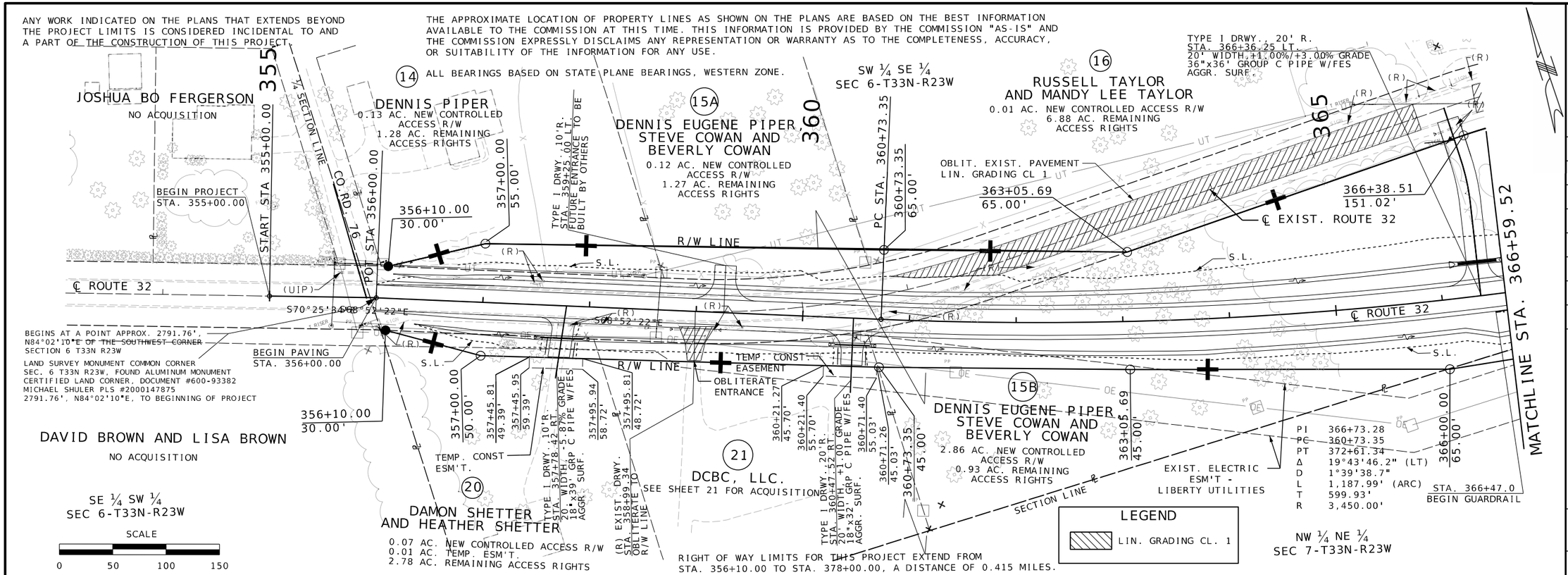
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

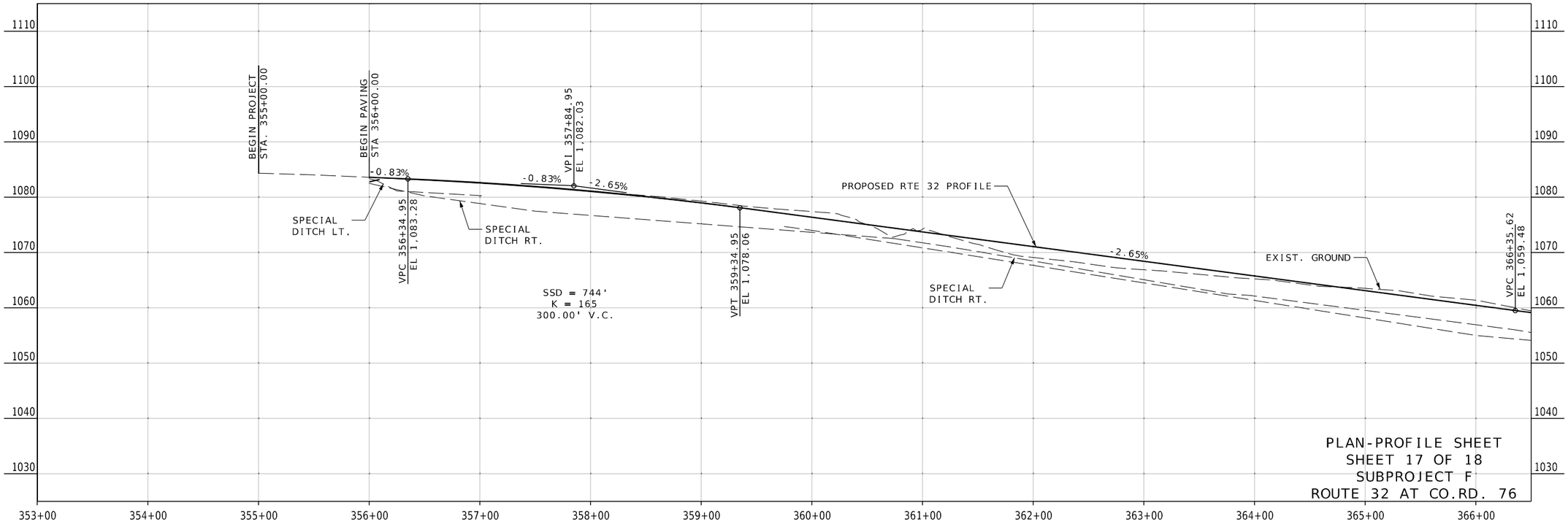
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.

(14) ALL BEARINGS BASED ON STATE PLANE BEARINGS, WESTERN ZONE.



RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 356+10.00 TO STA. 378+00.00, A DISTANCE OF 0.415 MILES.



PLAN-PROFILE SHEET
SHEET 17 OF 18
SUBPROJECT F
ROUTE 32 AT CO.RD. 76

STATE OF MISSOURI
SEAN J. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

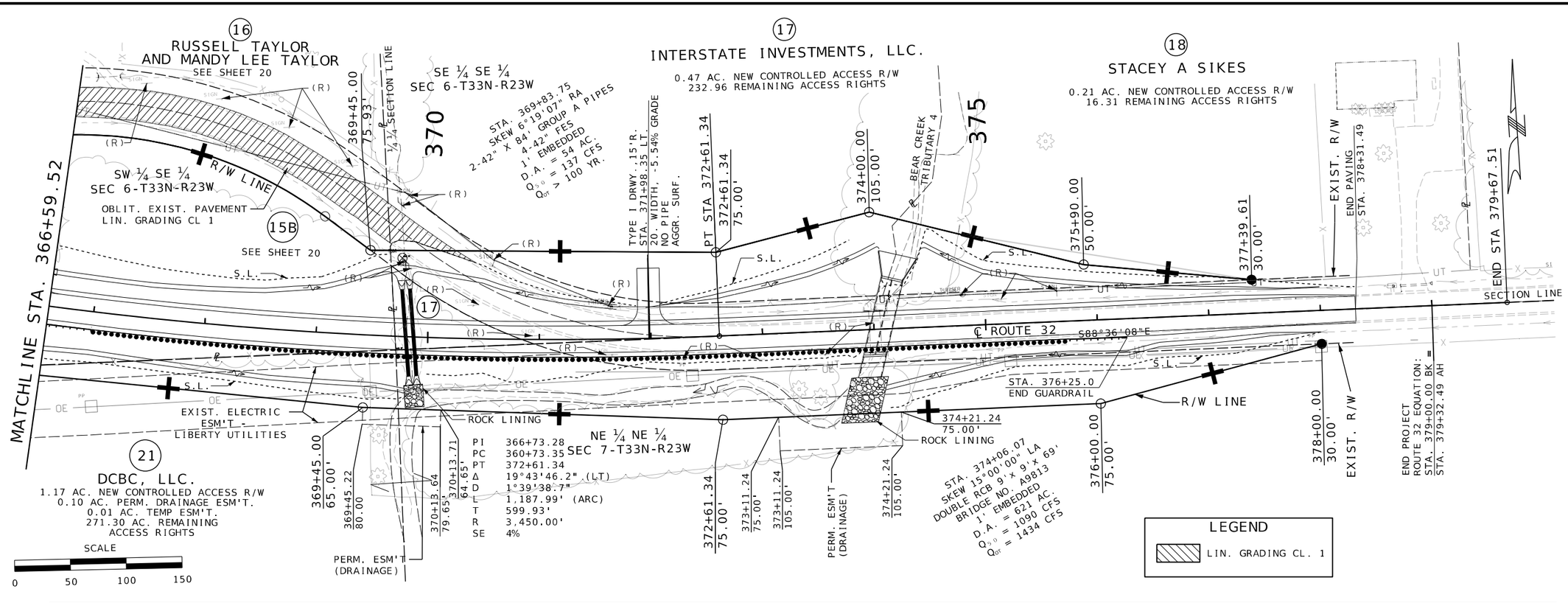
DATE PREPARED	
9/28/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	20
COUNTY	
CEDAR / POLK	
JOB NO.	
JSR0059	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	

DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.



PLAN-PROFILE SHEET
SHEET 18 OF 18
SUBPROJECT F
ROUTE 32 AT CO.RD. 76

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

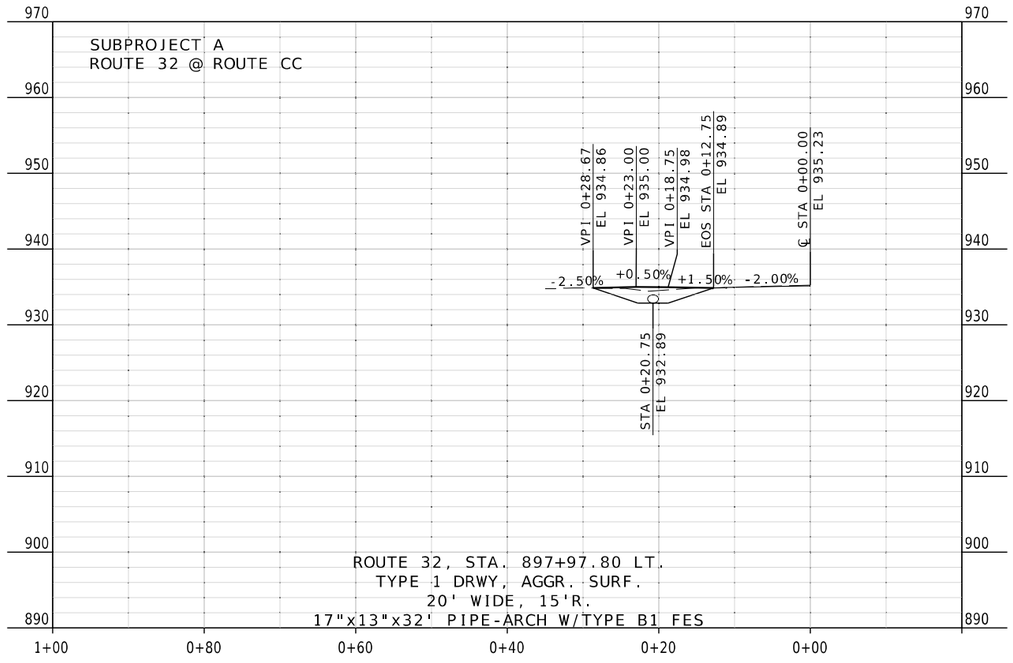
DATE PREPARED	9/28/2026
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	21
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

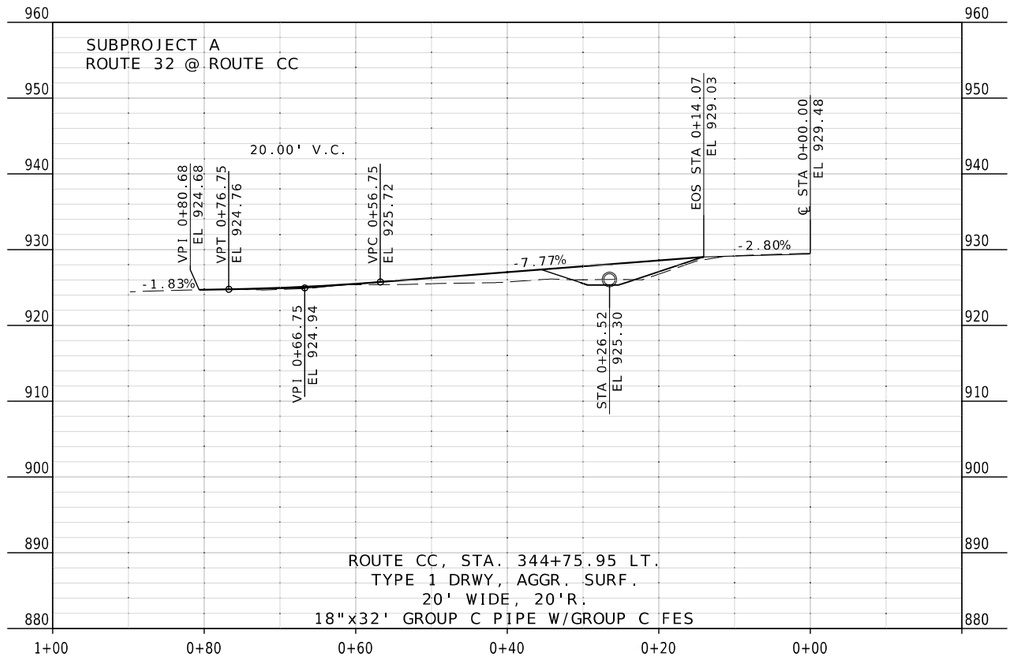
DESCRIPTION | DATE

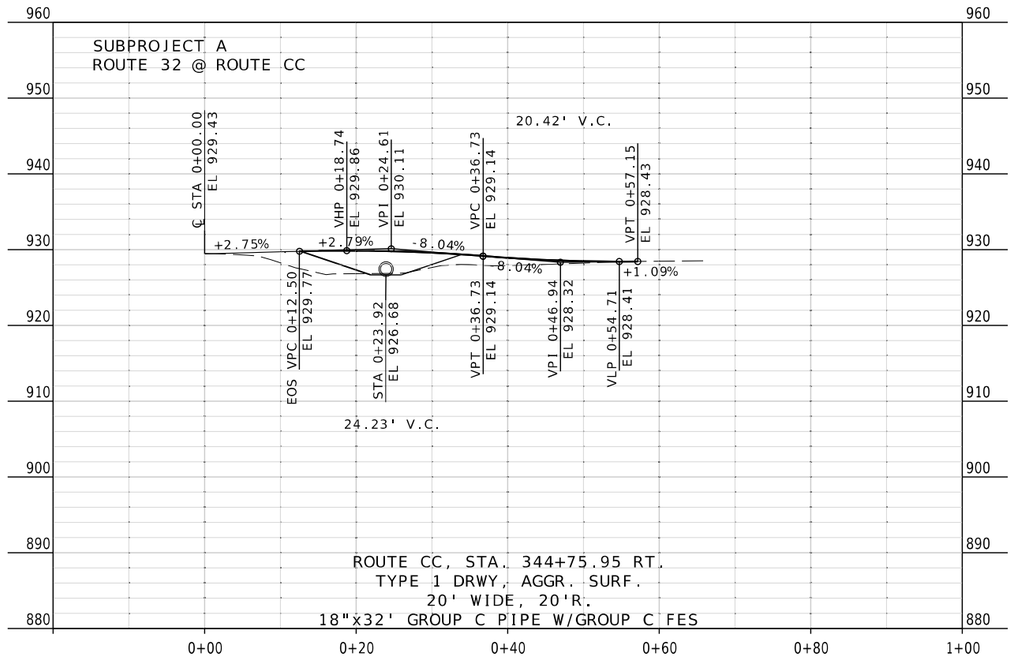
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

...\020-021_PP_JSR0059_i50_Rte32_S-Curve.dgn 11:28:36 AM 9/28/2026







DRIVEWAY PROFILES
SHEET 1 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	22

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

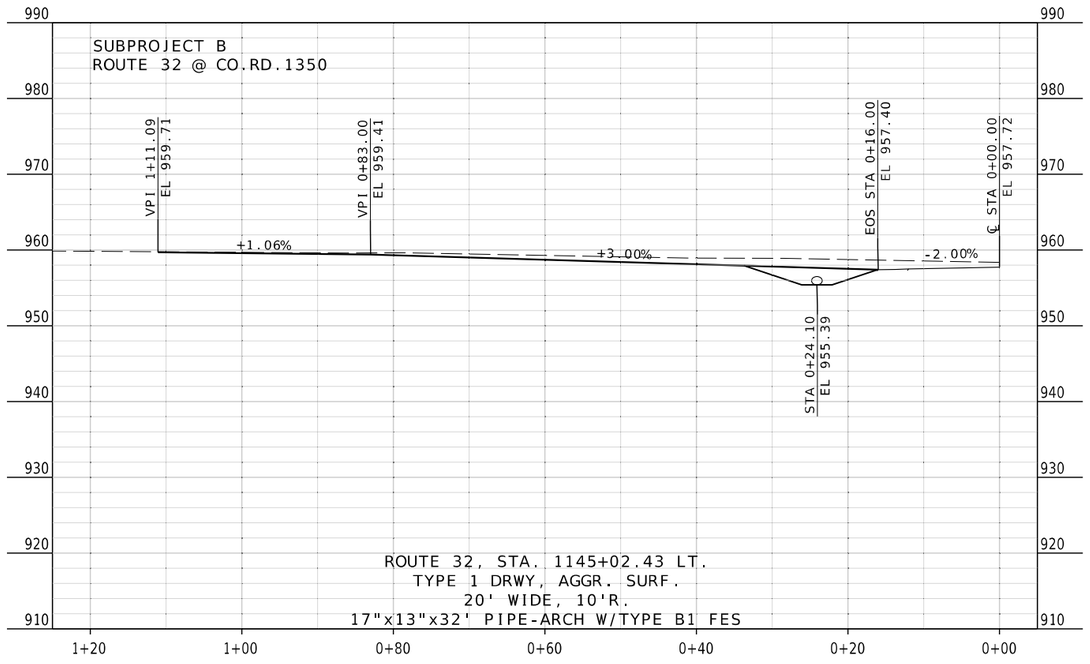
PROJECT NO.
-

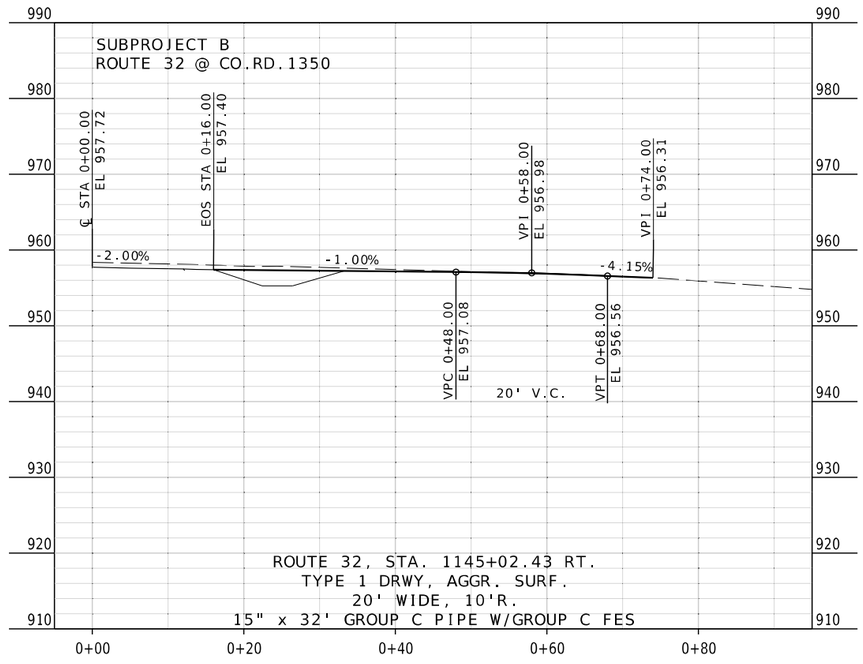
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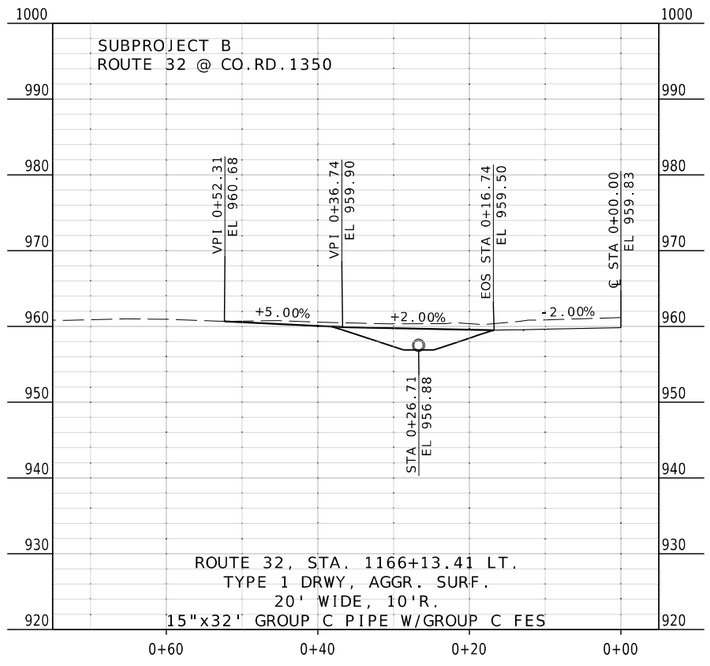
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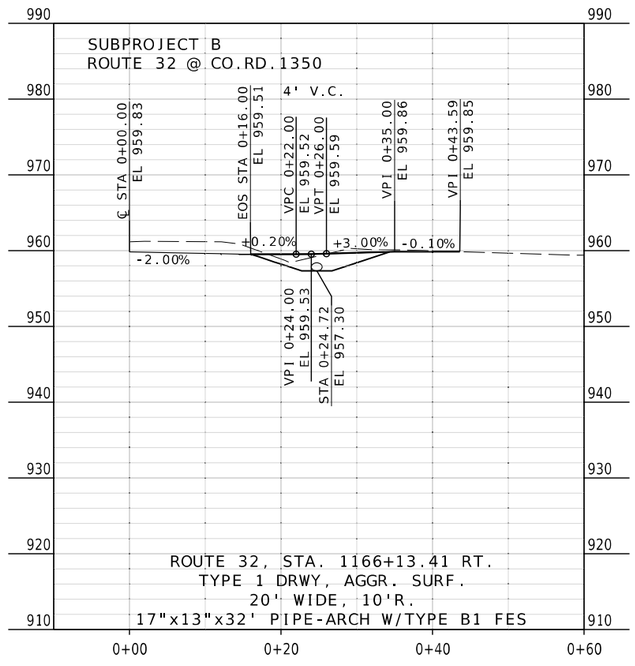
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

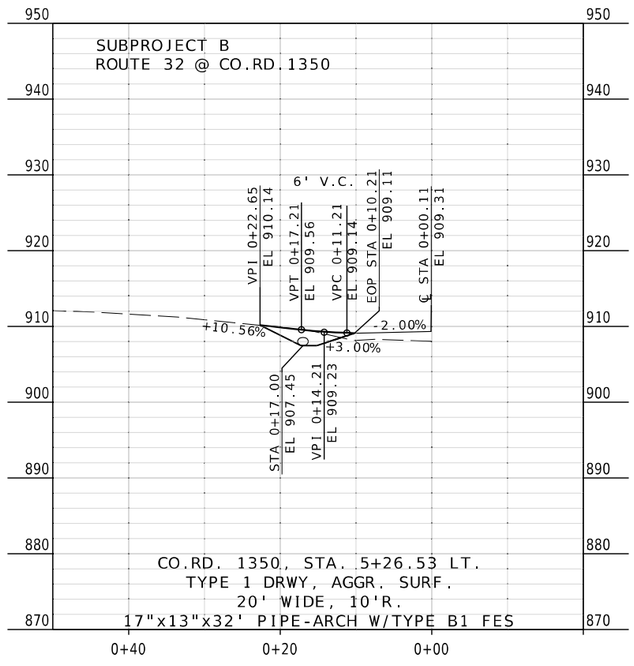
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearecwn.com
Engineering beyond.











DRIVEWAY PROFILES
SHEET 2 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	23

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

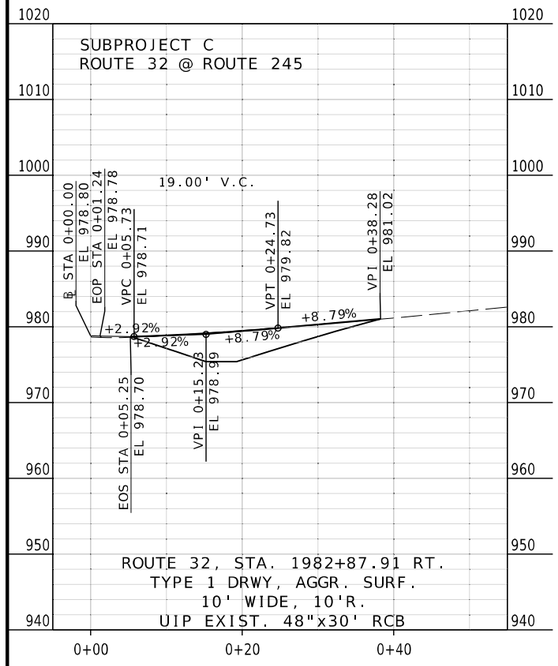
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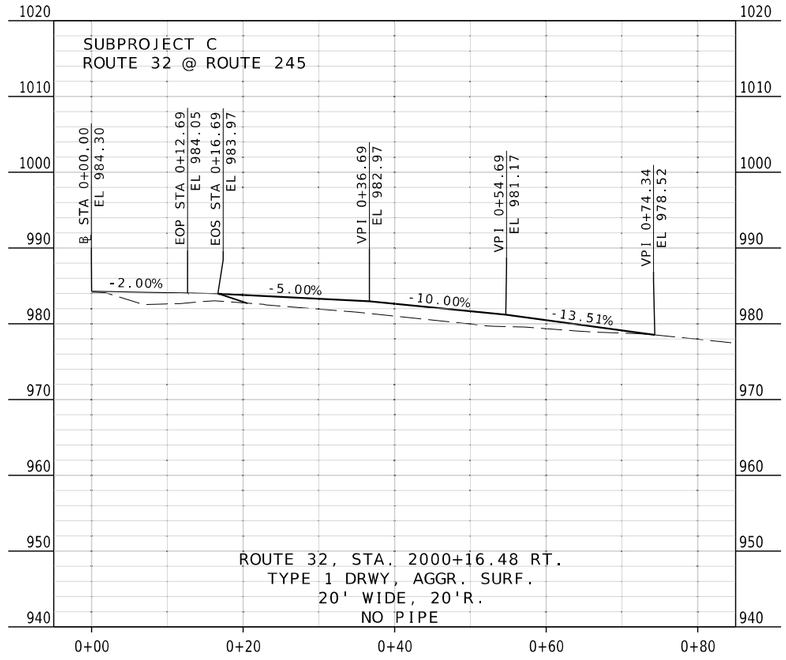
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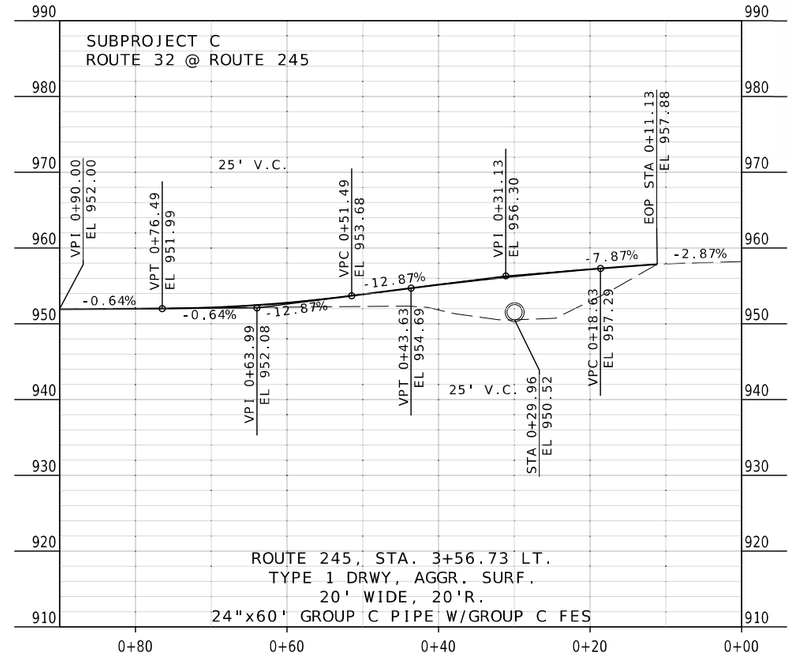
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

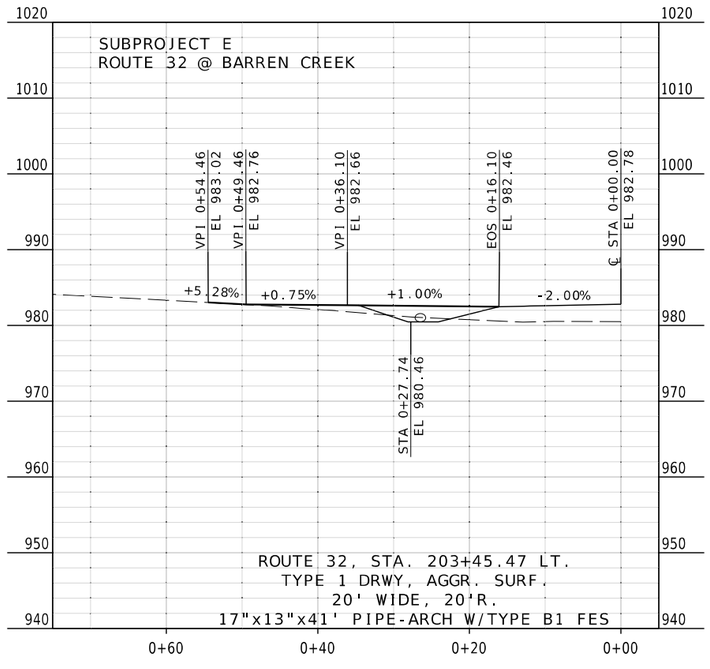
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

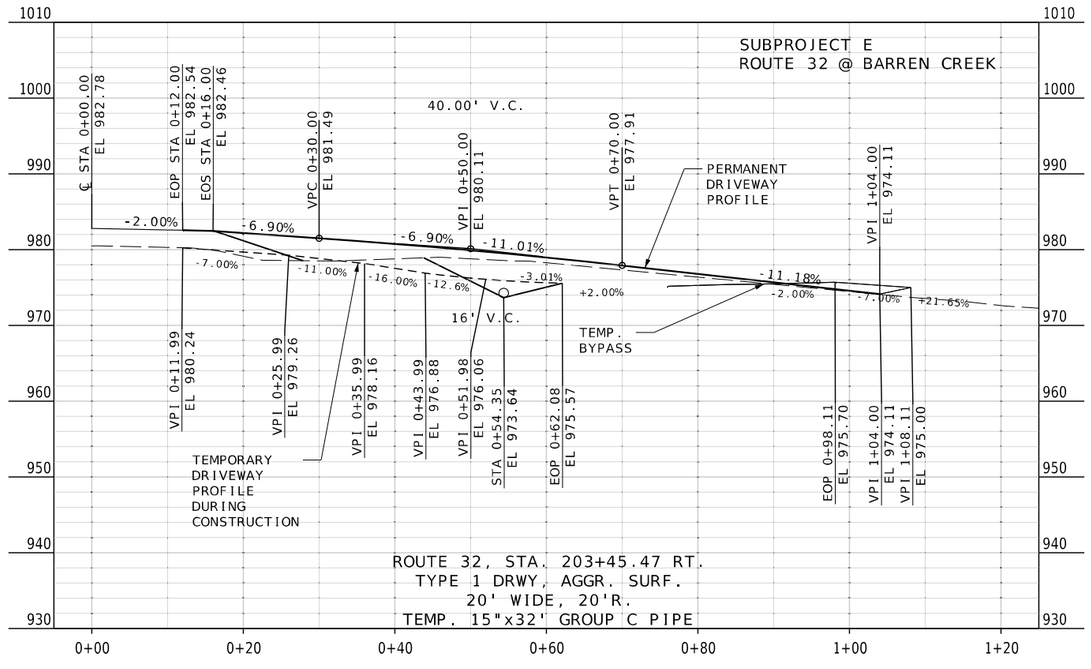
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DRIVEWAY PROFILES
SHEET 3 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	24

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

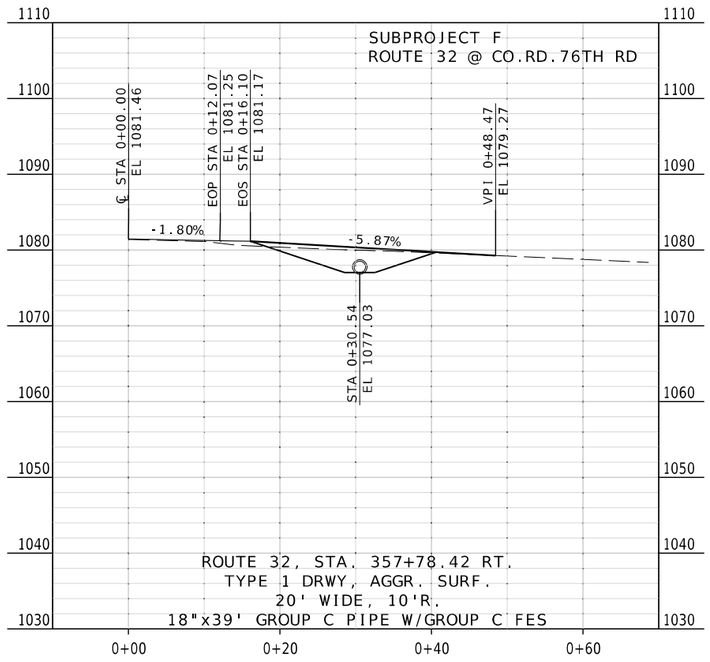
PROJECT NO.
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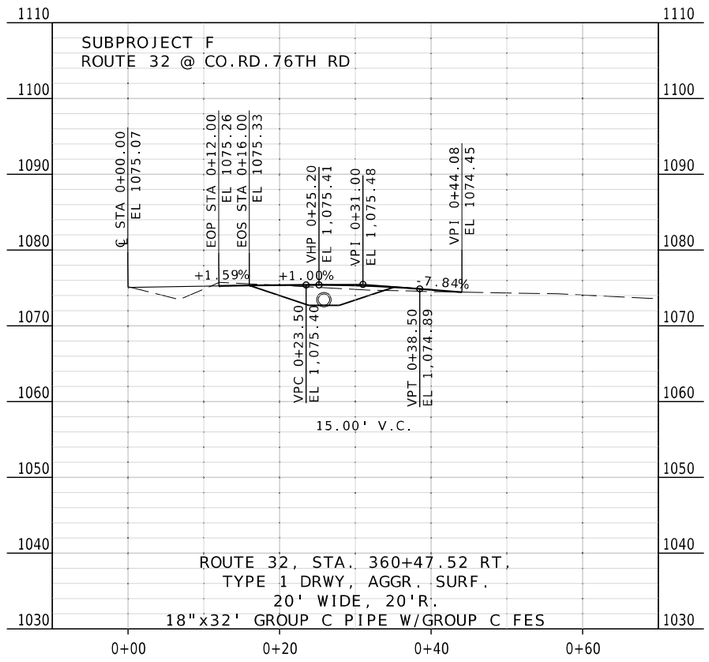
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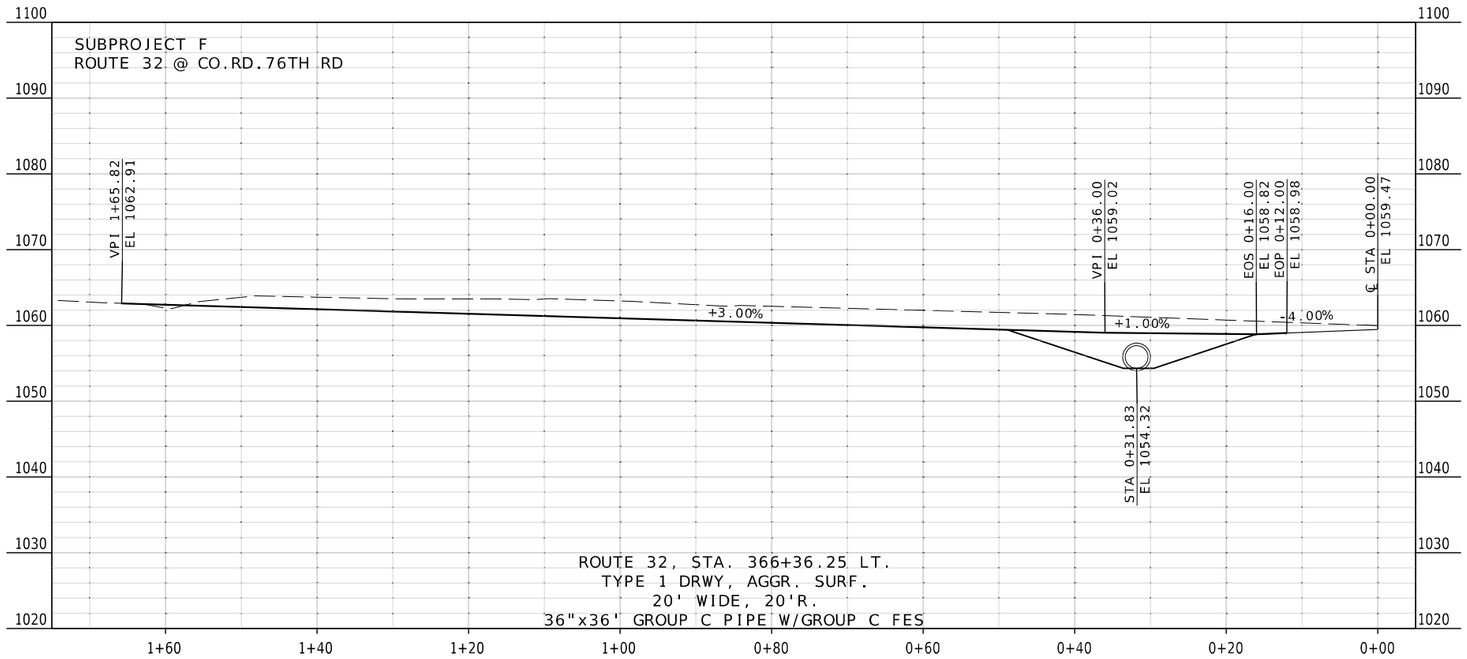
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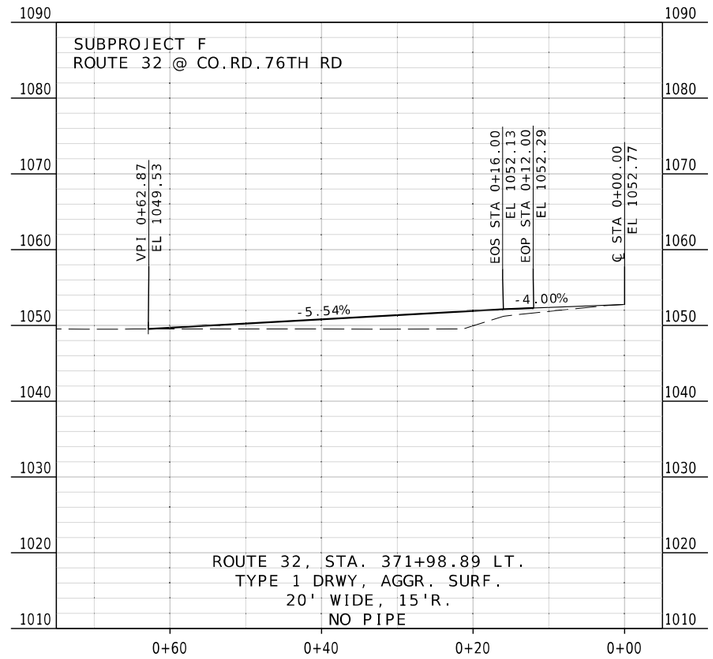
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
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COA# 00062
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DRIVEWAY PROFILES
SHEET 4 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	25

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

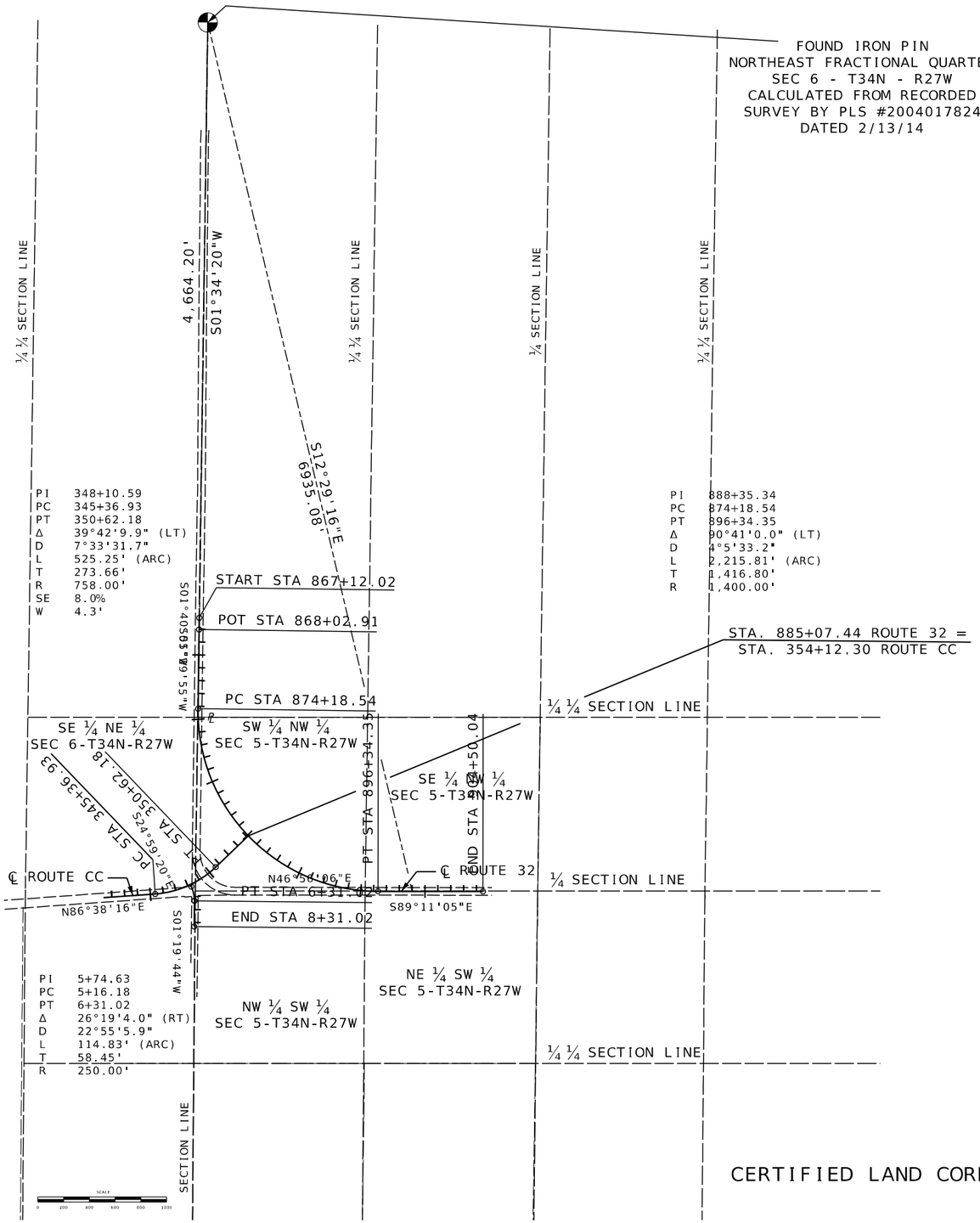
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
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CERTIFIED LAND CORNERS

REFERENCE POINT SHEET
SUBPROJECT A
ROUTE 32 AT ROUTE CC
SHEET 1 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	26

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
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FOUND ALUMINUM MONUMENT
NORTHWEST CORNER
SEC 12 T34N R27W
CORNER DOC. #600-57688

NE ¼ NW ¼
SEC 12-T34N-R27W

NW ¼ NW ¼
SEC 12-T34N-R27W

NW ¼ NE ¼
SEC 12-T34N-R27W

SW ¼ NE ¼
SEC 12-T34N-R27W

SE ¼ NW ¼
SEC 12-T34N-R27W

SW ¼ NW ¼
SEC 12-T34N-R27W

NE ¼ SW ¼
SEC 12-T34N-R27W

NW ¼ SE ¼
SEC 12-T34N-R27W

SECTION LINE

¼ SECTION LINE

¼ ¼ SECTION LINE

℄ ROUTE 32

℄ CO.RD. 1350

CO. RD. 1350

1130
1135
1140
1145
1150
1155
1160
1165
1170

START STA 1130+00.00

POT STA 1131+50.47

S31°24'54"E

S31°00'09"E

PC STA 1136+08.72

PT STA 1138+14.85

PI 1137+11.81
PC 1136+08.72
PT 1138+14.85
Δ 2°57'9.6" (RT)
D 1°25'56.6"
L 206.13' (ARC)
T 103.09'
R 4,000.00'

S28°02'59"E

PC STA 1155+47.13

PI 1161+00.10
PC 1155+47.13
PT 1165+50.51
Δ 59°53'4.4" (LT)
D 5°58'5.9"
L 1,003.38' (ARC)
T 552.97'
R 960.00'

PT STA 1165+50.51

POT STA 1166+91.07

POT STA 1171+46.92

POT STA 1171+00.27

END STA 1173+83.07

S87°56'04"E

S88°02'04"E

PT STA 9+27.57

PC STA 6+07.35

STA 0+84.12

N39°22'12"E

S88°12'34"E

PI 7+79.65
PC 6+07.35
PT 9+27.57
Δ 52°25'13.8" (LT)
D 16°22'12.8"
L 320.22' (ARC)
T 172.30'
R 350.00'

STA. 1159+25.90 ROUTE 32 =
STA. 10+00.00 CO. RD. 1350

SCALE
0 200 400 600 800 1000

CERTIFIED LAND CORNERS

REFERENCE POINT SHEET
SUBPROJECT B
ROUTE 32 AT CO. RD. 1350
SHEET 2 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	27

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

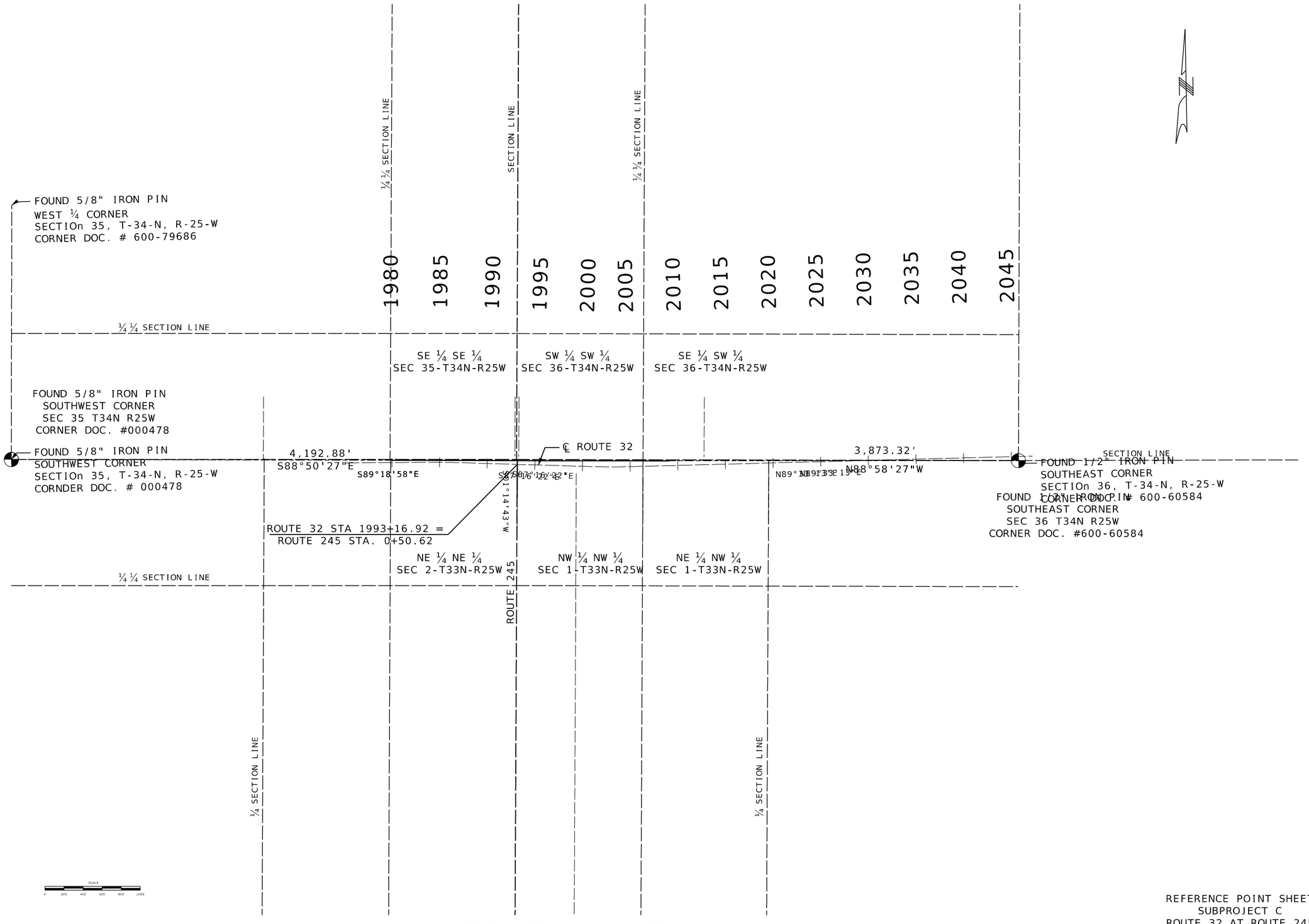
BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
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...\027_RP_02-05_JSR0059_i200_Land_Corner_CR1350.dgn 8:35:08 PM 8/20/2026



CERTIFIED LAND CORNERS

REFERENCE POINT SHEET
SUBPROJECT C
ROUTE 32 AT ROUTE 245
SHEET 3 OF 5

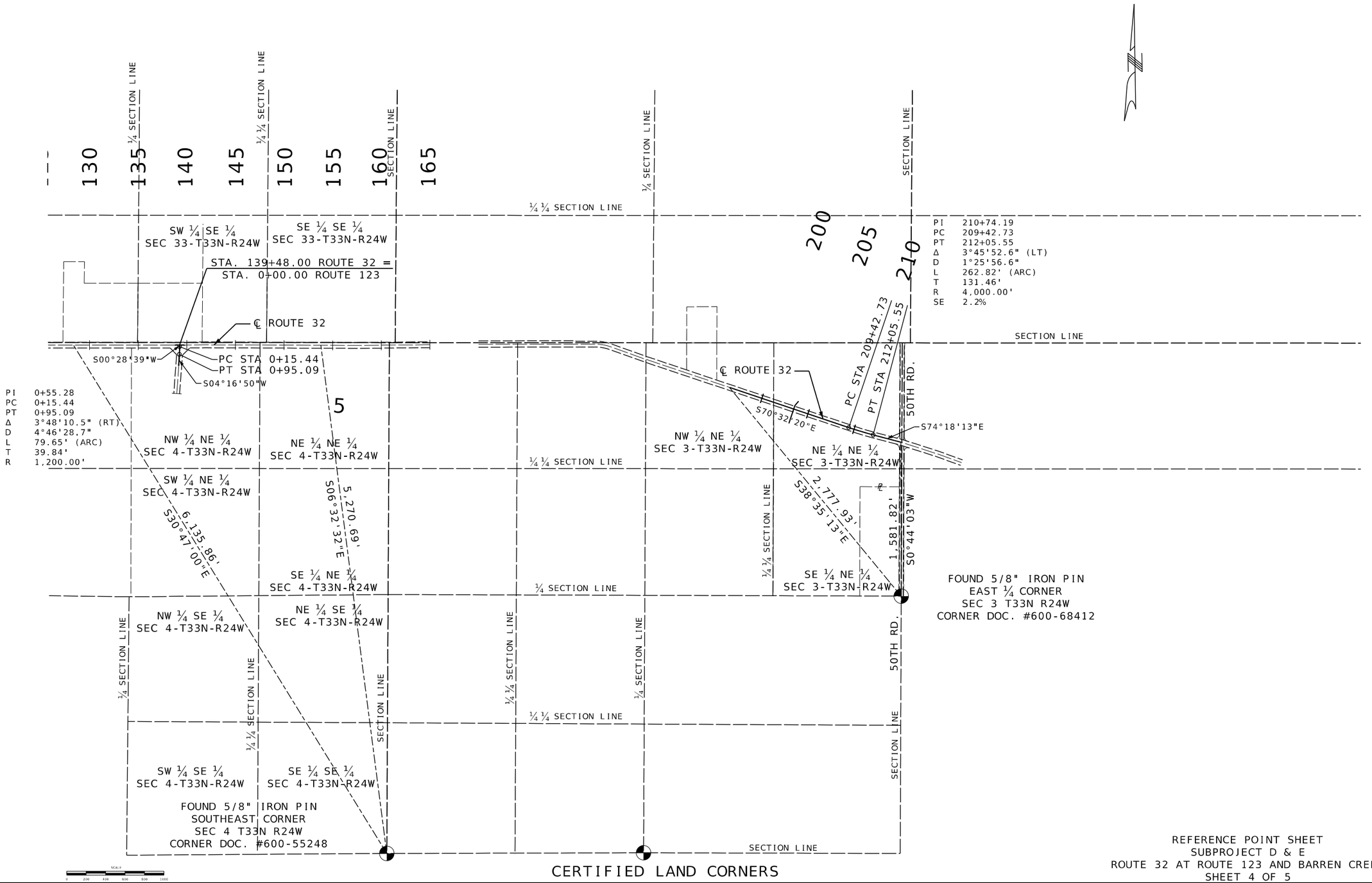
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/20/2026
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	28
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
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CERTIFIED LAND CORNERS

REFERENCE POINT SHEET
SUBPROJECT D & E
ROUTE 32 AT ROUTE 123 AND BARREN CREEK
SHEET 4 OF 5

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	29

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
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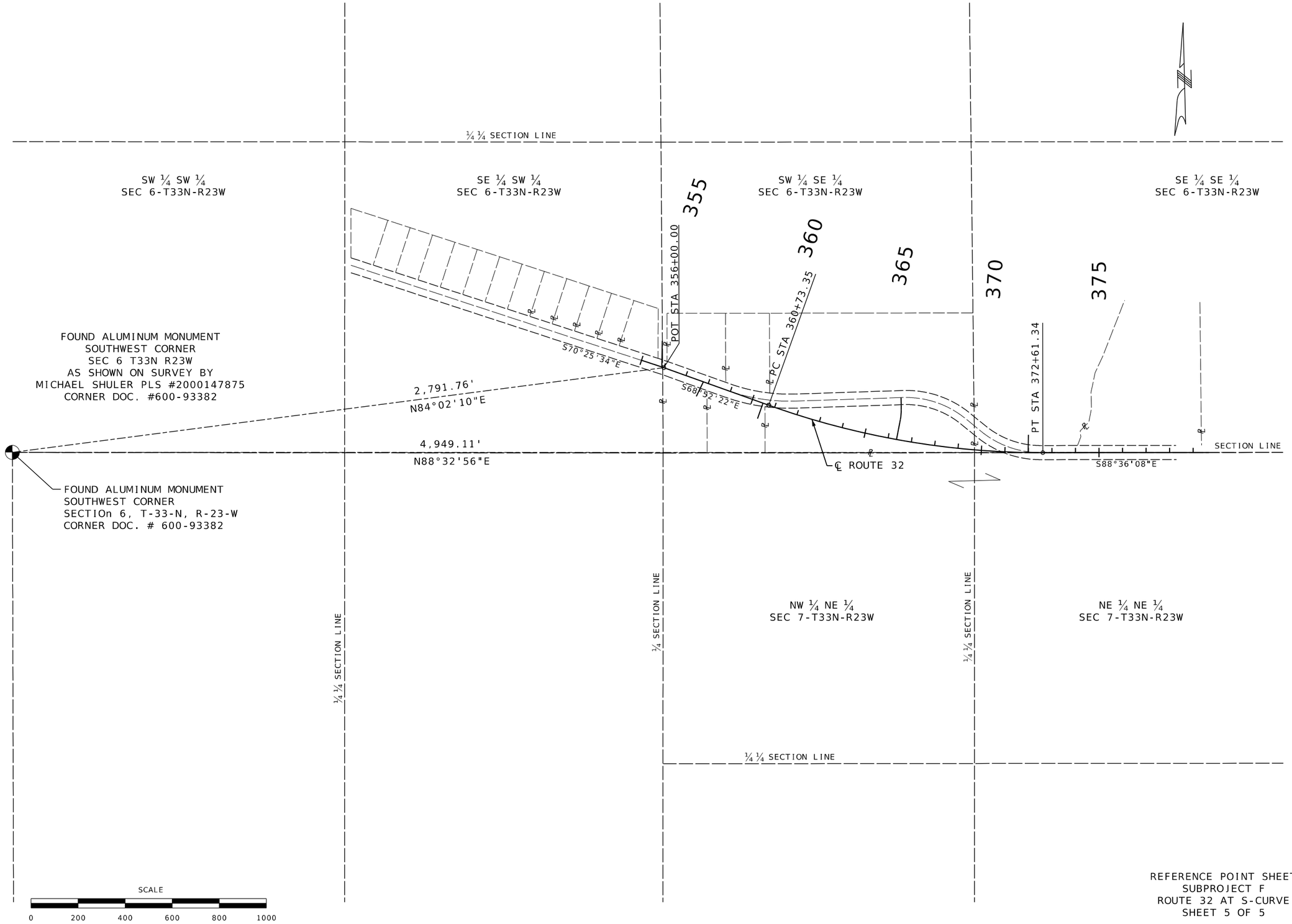
PROJECT NO.
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BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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REFERENCE POINT SHEET
SUBPROJECT F
ROUTE 32 AT S-CURVE
SHEET 5 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	30

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

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.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD 83 (2011) EPOCH 2011
VERTICAL DATUM	NAVD88 : GNSS DERIVED
GEOID MODEL	12B
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00003500

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	
CONTROL STATION	
DESIGNATION	MODOT GREENFIELD CORS ARP
CORS_ID	MOGF
PID	DM3515
LATITUDE	37°25'45.52038"
LONGITUDE	93°50'45.96763"
NORTHING (M)	140313.0330
EASTING (M)	907872.6010
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99996500

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 #204
N 569465.780 X 0.99996500 = N 569445.8487
E 2955685.687 X 0.99996500 = E 2955582.2380

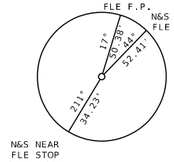
LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

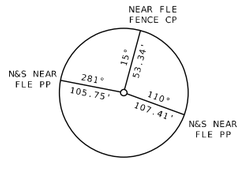
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
	888+69.20	RT.	14.67	569465.780	2955685.687	925.29	cp 514 2" ALUM CAP	204
	902+70.08	RT.	23.53	569405.446	2957087.687	933.30	cp 515 2" ALUM CAP	205
	N/A	N/A	N/A	528245.731	3094126.961	1109.57	cp 580 2" ALUM CAP	206
	N/A	N/A	N/A	584365.294	2928604.474	939.36	cp 500 2" ALUM CAP	207
	N/A	N/A	N/A	583809.850	2929186.556	926.11	cp 501 2" ALUM CAP	208
	N/A	N/A	N/A	583474.402	2932132.519	940.06	cp 502 2" ALUM CAP	209
	N/A	N/A	N/A	583434.754	2933457.943	907.31	cp 503 2" ALUM CAP	210
	N/A	N/A	N/A	583227.385	2937820.919	940.13	cp 504 2" ALUM CAP	211
	N/A	N/A	N/A	583222.603	2938891.758	932.01	cp 505 2" ALUM CAP	212
	N/A	N/A	N/A	580278.687	2948266.317	871.44	cp 509 2" ALUM CAP	213
	N/A	N/A	N/A	580269.919	2947444.672	867.13	cp 508 2" ALUM CAP	214
	N/A	N/A	N/A	582098.657	2945281.737	870.13	cp 507 2" ALUM CAP	215
	1993+66.73	RT.	3.00	534340.181	3040253.082	961.904	cp 559 2" ALUM CAP	217
EXISTING ALIGNMENTS								
EXISTING ℄ ROUTE 32 @ ROUTE CC (SUBPROJECT A)								
	857+00.00	N/A	0	572582.589	2955602.322	N/A	PT - CHAIN RT-32 @ CC	N/A
	868+00.00	N/A	0	571483.063	2955570.033	N/A	PT - CHAIN RT-32 @ CC	N/A
	885+28.00	N/A	0	569755.655	2955524.838	N/A	PC - CHAIN RT-32 @ CC	N/A
	888+32.41	N/A	ON TANGENT	569451.301	2955518.993	N/A	PI - CHAIN RT-32 @ CC	N/A
	890+05.30	N/A	0	569446.969	2955823.372	N/A	PT - CHAIN RT-32 @ CC	N/A
	904+00.00	N/A	0	569427.121	2957217.930	N/A	PT - CHAIN RT-32 @ CC	N/A
	915+00.00	N/A	0	569411.467	2958317.819	N/A	POT - END CHAIN RT-32 @ CC	N/A
EXISTING ℄ ROUTE CC(SUBPROJECT A)								
	330+00.00	N/A	0	569,364.175	2,954,028.776	N/A	POT - BEGIN CHAIN RT-CC	N/A
	344+87.00	N/A	0	569,451.383	2,955,513.216	N/A	POT - END CHAN RT-CC	N/A

SET 5/8" IB W/TREKK CP CAP IN E. MOST NOSE OF GRASS MEDIAN AT INT OF 32 HWY AND CC HWY



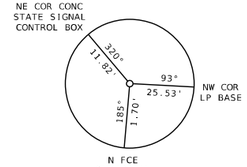
CP 514

SET 5/8" IB W/TREKK CP CAP ON S. SIDE OF 32 HWY AT HSE #8605



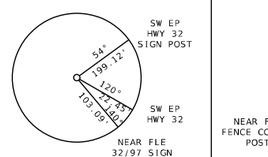
CP 515

SET 5/8" IB W/2" ALUM. CAP @ NE COR. N. BND ENT. RAMP FROM 32 HWY & NB 13 HWY



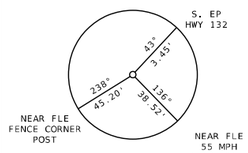
CP 580

SET 5/8" IB ON SW. SIDE OF HWY 32 ± 200' N. OF INT HWY 97. (W/TREKK CP CAP.)



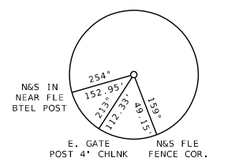
CP 500

SET 5/8" IB W/TREKK CP. CAP ON S. SIDE OF HWY 32 ± 600'/ SE OF INT LV HWY 97.



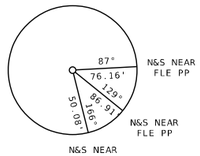
CP 501

SET 5/8" IB W/TREKK CP. CAP ON N. SIDE OF HWY 32 ACROSS FROM HSE #3250



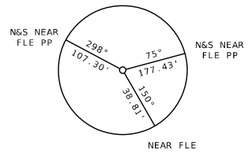
CP 502

SET 5/8" IB W/TREKK CP. CAP ON N. SIDE OF 32 HWY ACROSS FROM HSE #3990



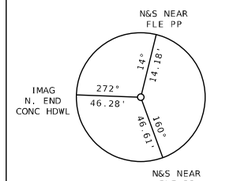
CP 503

SET 5/8" IB ON S. SIDE OD HWY 32 AT W. SIDE OF GRVEL FEILD ENT. ± 200' E. OF E. ENT. TO WRIGHT CEMETARY (TREKK CAP)



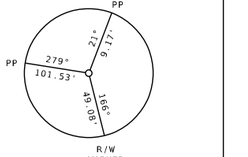
CP 504

SET 5/8" IB W/TREKK CP CAP AT NE COR. OF 32 HWY AND 501ST. RD.



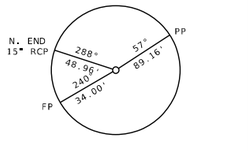
CP 505

SET 5/8" IB W/TREKK CP. CAP ON N. SIDE OF 32 HWY ± 200' E. OF ℄ OF 675 RD.



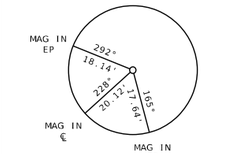
CP 509

SET 5/8" IB W/TREKK CP. CAP AT SIDE OF 32 HWY AND 950 RD.



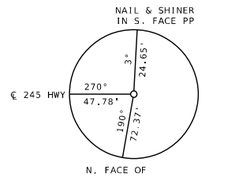
CP 508

SET 5/8" IB W/TREKK CP. CAP ON N. SIDE OF 32 HWY ± 1300' E. OF ℄ OF 601 RD.



CP 507

SET 5/8" IB W/2" ALUM. CAP @ SE COR. 32 HWY & 245 HWY



CP 559

COORDINATE POINTS SHEET
SHEET 1 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 31
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

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.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD 83 (2011) EPOCH 2011
VERTICAL DATUM	NAVD88 : GNSS DERIVED
GEOID MODEL	12B
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00003500

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	
CONTROL STATION	
DESIGNATION	MODOT GREENFIELD CORS ARP
CORS_ID	MOGF
PID	DM3515
LATITUDE	37°25'45.52038"
LONGITUDE	93°50'45.96763"
NORTHING (M)	140313.0330
EASTING (M)	907872.6010
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99996500

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 #204
N 569465.780 X 0.99996500 = N 569445.8487
E 2955685.687 X 0.99996500 = E 2955582.2380

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
EXISTING ALIGNMENTS								
EXISTING ℄ ROUTE 32 @ CR 1350(SUBPROJECT B)								
	1124+83.40	N/A	0	563031.528	2976473.254	N/A	PC - EXIST. RT-32 @ CR 1350	N/A
	1126+92.77	N/A	ON TANGENT	562891.541	2976628.943	N/A	PI - EXIST. RT-32 @ CR 1350	N/A
	1128+99.20	N/A	0	562712.863	2976738.074	N/A	PT -EXIST. RT-32 @ CR 1350	N/A
	1134+20.66	N/A	0	562267.836	2977009.880	N/A	PC - EXIST. RT-32 @ CR 1350	N/A
	1134+94.67	N/A	ON TANGENT	562204.632	2977048.384	N/A	PI - EXIST. RT-32 @ CR 1350	N/A
	1135+66.88	N/A	0	562160.318	2977107.660	N/A	PT -EXIST. RT-32 @ CR 1350	N/A
	1145+00.53	N/A	0	561602.452	2977856.317	N/A	PC - EXIST. RT-32 @ CR 1350	N/A
	1146+53.74	N/A	ON TANGENT	561510.905	2977979.174	N/A	PI - EXIST. RT-32 @ CR 1350	N/A
	1147+84.23	N/A	0	561357.693	2977978.241	N/A	PT -EXIST. RT-32 @ CR 1350	N/A
	1159+27.30	N/A	0	560215.520	2977969.661	N/A	PC - EXIST. RT-32 @ CR 1350	N/A
	1162+19.69	N/A	ON TANGENT	559923.141	2977967.107	N/A	PI - EXIST. RT-32 @ CR 1350	N/A
	1163+92.40	N/A	0	559910.269	2978259.214	N/A	PT -EXIST. RT-32 @ CR 1350	N/A
	1175+17.20	N/A	0	559870.441	2979383.308	N/A	PT - EXIST. RT-32 @ CR 1350	N/A
EXISTING ℄ ROUTE 32 @ ROUTE 245(SUBPROJECT C)								
	1975+06.17	N/A	0	534,393.894	3,038,393.603	N/A	POT - BEGIN CHAIN EXIST. RT-32	N/A
	1984+03.16	N/A	0	534,383.187	3,039,290.534	N/A	PC - CHAIN EXIST. RT-32	N/A
	1985+66.97	N/A	ON TANGENT	534,381.231	3,039,454.332	N/A	PI - CHAIN EXIST. RT-32	N/A
	1987+30.75	N/A	0	534,373.437	3,039,617.957	N/A	PT - CHAIN EXIST. RT-32	N/A
	2001+42.09	N/A	0	534,306.286	3,041,027.703	N/A	PC - CHAIN EXIST. RT-32	N/A
	2003+05.68	N/A	ON TANGENT	534,298.503	3,041,191.109	N/A	PI - CHAIN EXIST. RT-32	N/A
	2004+69.19	N/A	0	534,299.777	3,041,354.695	N/A	PT - CHAIN EXIST. RT-32	N/A
	2047+24.02	N/A	0	534,332.932	3,045,609.392	N/A	POT - END CHAIN CHAIN EXIST. RT-32	N/A
EXISTING ℄ ROUTE 245(SUBPROJECT C)								
	0+50.62	N/A	0	534,345.547	3,040,203.468	N/A	POT - BEGIN CHAIN EXIST. RT-245	N/A
	8+20.21	N/A	0	533,576.136	3,040,186.741	N/A	POT - END CHAIN EXIST. RT-245	N/A
EXISTING ℄ ROUTE 32 @ ROUTE 123(SUBPROJECT D)								
	125+00.00	N/A	0	534065.154	3057958.730	N/A	POT - BEGIN CHAIN RT-32 @ 123	N/A
	139+00.00	N/A	0	534044.318	3059358.575	N/A	PT - CHAIN RT-32 @ 123	N/A
	142+00.00	N/A	0	534042.472	3059658.569	N/A	PT - CHAIN RT-32 @ 123	N/A
	157+52.50	N/A	0	534013.045	3061210.791	N/A	PT - CHAIN RT-32 @ 123	N/A
EXISTING ℄ ROUTE 123(SUBPROJECT D)								
	0+00.00	N/A	0	534044.111	3059392.190	N/A	POT - BEGIN CHAIN RT-123	N/A
	5+18.67	N/A	0	533527.469	3059346.402	N/A	POT - END CHAIN RT-123	N/A
EXISTING ℄ ROUTE 32 @ BARREN CREEK(SUBPROJECT E)								
	187+35.40	N/A	0	533829.127	3064166.383	N/A	PT - CHAIN RT-32 PC @ BARREN CREEK	N/A
	210+05.40	N/A	0	533074.240	3066307.187	N/A	PC - CHAIN RT-32 @ BARREN CREEK	N/A
	211+00.03	N/A	ON TANGENT	533042.770	3066396.436	N/A	PI - CHAIN RT-32 @ BARREN CREEK	N/A
	211+94.60	N/A	0	533017.257	3066487.567	N/A	PT - CHAIN RT-32 @ BARREN CREEK	N/A
	215+13.20	N/A	0	532931.367	3066794.371	N/A	PT - CHAIN RT-32 @ BARREN CREEK	N/A
EXISTING ℄ ROUTE 32 (S-CURVE)(SUBPROJECT F)								
	342+00.69	N/A	0	529268.776	3078823.910	N/A	POT - BEGIN CHAIN RT-32 S-CURVE	N/A
	355+96.10	N/A	0	528801.285	3080138.674	N/A	PT - CHAIN RT-32 S-CURVE	N/A
	358+86.59	N/A	0	528696.579	3080409.643	N/A	PC - CHAIN RT-32 S-CURVE	N/A
	360+35.44	N/A	ON TANGENT	528642.930	3080548.481	N/A	PI - CHAIN RT-32 S-CURVE	N/A
	361+80.76	N/A	0	528644.027	3080697.319	N/A	PT - CHAIN RT-32 S-CURVE	N/A
	366+39.28	N/A	0	528647.411	3081155.826	N/A	PC - CHAIN RT-32 S-CURVE	N/A
	367+88.01	N/A	ON TANGENT	528648.508	3081304.553	N/A	PI - CHAIN RT-32 S-CURVE	N/A
	369+23.95	N/A	0	528551.781	3081417.535	N/A	PT - CHAIN RT-32 S-CURVE	N/A
	370+11.83	N/A	0	528494.625	3081484.297	N/A	PC - CHAIN RT-32 S-CURVE	N/A
	371+54.15	N/A	ON TANGENT	528402.070	3081592.405	N/A	PI - CHAIN RT-32 S-CURVE	N/A
	372+85.29	N/A	0	528398.599	3081734.679	N/A	PT - CHAIN RT-32 S-CURVE	N/A
	381+07.48	N/A	0	528378.544	3082556.621	N/A	POT - END CHAIN RT-32 S-CURVE	N/A

COORDINATE POINTS SHEET
SHEET 2 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 32
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr.
Carthage, MO 64836
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Engineering beyond.

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PROJECT COORDINATE INFORMATION

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HORIZONTAL DATUM	NAD 83 (2011) EPOCH 2011
VERTICAL DATUM	NAVD88 : GNSS DERIVED
GEOID MODEL	12B
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00003500

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	
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DESIGNATION	MODOT GREENFIELD CORS ARP
CORS_ID	MOGF
PID	DM3515
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LONGITUDE	93°50'45.96763"
NORTHING (M)	140313.0330
EASTING (M)	907872.6010
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99996500

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 #204
N 569465.780 X 0.99996500 = N 569445.8487
E 2955685.687 X 0.99996500 = E 2955582.2380

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
ALIGNMENTS								
PROPOSED ℄ ROUTE 32 @ ROUTE CC (SUBPROJECT A)								
	867+12.02	N/A	0	571573.912	2955572.701	N/A	POT - BEGIN CHAIN RT-32 @ CC PROPOSED	N/A
	868+02.91	N/A	0	571483.063	2955570.033	N/A	PT - CHAIN RT-32 @ CC PROPOSED	N/A
	874+18.54	N/A	0	570867.644	2955553.932	N/A	PC - CHAIN RT-32 @ CC PROPOSED	N/A
	888+35.34	N/A	ON TANGENT	569451.331	2955516.876	N/A	PI - CHAIN RT-32 @ CC PROPOSED	N/A
	896+34.35	N/A	0	569431.169	2956933.530	N/A	PT - CHAIN RT-32 @ CC PROPOSED	N/A
	904+50.04	N/A	0	569419.561	2957749.139	N/A	POT - END CHAIN RT-32 @ CC PROPOSED	N/A
PROPOSED ℄ ROUTE CC (SUBPROJECT A)								
	341+33.75 R1	N/A	0	569409.438	2954799.235	N/A	POT - BEGIN CHAIN RT CC BASELINE PROPOSED	N/A
	345+36.93 R1	N/A	0	569433.083	2955201.720	N/A	PC - CHAIN RT CC BASELINE PROPOSED	N/A
	348+10.59 R1	N/A	ON TANGENT	569449.133	2955474.914	N/A	PI - CHAIN RT CC BASELINE PROPOSED	N/A
	350+62.18 R1	N/A	0	569635.998	2955674.848	N/A	PT - CHAIN RT CC BASELINE PROPOSED	N/A
	354+23.64 R1	N/A	0	569882.811	2955938.922	N/A	POT - END CHAIN RT CC BASELINE PROPOSED	N/A
PROPOSED ℄ ROUTE 32 @ CR1350 (SUBPROJECT B)								
	1130+00.00	N/A	0	562626.84	2976790.62	N/A	POT - BEGIN CHAIN RT-32 @ 1350 PROPOSED	N/A
	1131+50.47	N/A	0	562498.42	2976869.04	N/A	PT - RT-32 @ 1350 PROPOSED	N/A
	1136+08.72	N/A	0	562105.64	2977105.08	N/A	PC - RT-32 @ 1350 PROPOSED	N/A
	1137+11.81	N/A	ON TANGENT	562017.27	2977158.18	N/A	PI - RT-32 @ 1350 PROPOSED	N/A
	1138+14.85	N/A	0	561926.29	2977206.66	N/A	PT - RT-32 @ 1350 PROPOSED	N/A
	1155+47.13	N/A	0	560397.49	2978021.24	N/A	PC - RT-32 @ 1350 PROPOSED	N/A
	1161+00.10	N/A	ON TANGENT	559909.47	2978281.27	N/A	PI - RT-32 @ 1350 PROPOSED	N/A
	1165+50.51	N/A	0	559889.54	2978833.88	N/A	PT - RT-32 @ 1350 PROPOSED	N/A
	1166+91.07	N/A	0	559884.48	2978974.35	N/A	PT - RT-32 @ 1350 PROPOSED	N/A
	1170+46.97	N/A	0	559872.33	2979330.04	N/A	PT - RT-32 @ 1350 PROPOSED	N/A
	1171+00.27	N/A	0	559870.44	2979383.31	N/A	PT - RT-32 @ 1350 PROPOSED	N/A
	1173+83.07	N/A	0	559860.74	2979665.94	N/A	POT - END CHAIN RT-32 @ 1350 PROPOSED	N/A
PROPOSED ℄ CR1350 (SUBPROJECT B)								
	0+84.12	N/A	0	559939.316	2977409.096	N/A	POT - BEGIN CHAIN 1350 PROPOSED	N/A
	6+07.35	N/A	0	559922.967	2977932.072	N/A	PC - CHAIN 1350 PROPOSED	N/A
	7+79.65	N/A	ON TANGENT	559917.584	2978104.287	N/A	PI - CHAIN 1350 PROPOSED	N/A
	9+27.57	N/A	0	560050.782	2978213.581	N/A	PT - CHAIN 1350 PROPOSED	N/A
	10+00.00	N/A	0	560106.776	2978259.526	N/A	POT - END CHAIN 1350 PROPOSED	N/A
PROPOSED ℄ ROUTE 32 WIDENING AT ROUTE 245 (SUBPROJECT C)								
	1980+00.00	N/A	0	534412.699	3038887.860	N/A	POT - BEGIN CHAIN RT-32 PROPOSED	N/A
	1983+18.88	N/A	0	534407.224	3039206.694	N/A	PT - CHAIN RT-32 PROPOSED	N/A
	1987+31.31	N/A	0	534397.047	3039618.994	N/A	PT - CHAIN RT-32 PROPOSED	N/A
	1992+16.05	N/A	0	534387.432	3040103.644	N/A	PT - CHAIN RT-32 PROPOSED	N/A
	1996+87.70	N/A	0	534377.899	3040575.193	N/A	PT - CHAIN RT-32 PROPOSED	N/A
	2005+06.32	N/A	0	534362.299	3041393.666	N/A	PT - CHAIN RT-32 PROPOSED	N/A
	2009+13.95	N/A	0	534351.897	3041801.168	N/A	POT - END CHAIN RT-32 PROPOSED	N/A
PROPOSED ℄ ROUTE 123 (SUBPROJECT D)								
	0+00.00	N/A	0	534044.070	3059384.570	N/A	POT - BEGIN CHAIN RT-123 RIGHT TURN PROPOSED	N/A
	0+15.35	N/A	0	534028.717	3059384.442	N/A	PC - CHAIN RT-123 RIGHT TURN PROPOSED	N/A
	0+55.19	N/A	ON TANGENT	533988.880	3059384.110	N/A	PI - CHAIN RT-123 RIGHT TURN PROPOSED	N/A
	0+95.00	N/A	0	533949.152	3059381.137	N/A	PT - CHAIN RT-123 RIGHT TURN PROPOSED	N/A
	2+13.12	N/A	0	533831.360	3059372.320	N/A	POT - END CHAIN RT-123 RIGHT TURN PROPOSED	N/A
PROPOSED ℄ ROUTE 32 @ BARREN CREEK (SUBPROJECT E)								
	193+00.00	N/A	0	533639.431	3064703.833	N/A	POT - BEGIN CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	198+70.42	N/A	0	533449.553	3065241.723	N/A	PT -CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	200+92.68	N/A	0	533375.568	3065451.308	N/A	PT -CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	205+92.68	N/A	0	533209.131	3065922.794	N/A	PT -CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	210+05.46	N/A	0	533071.727	3066312.033	N/A	PC - CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	211+00.10	N/A	ON TANGENT	533040.225	3066401.273	N/A	PI - CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	211+94.67	N/A	0	533014.681	3066492.397	N/A	PT -CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	215+13.28	N/A	0	532928.681	3066799.184	N/A	PT -CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	217+05.46	N/A	0	532870.420	3066982.326	N/A	PT -CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
	219+03.18	N/A	0	532805.997	3067169.248	N/A	POT - END CHAIN RT-32 @ BARREN CREEK PROPOSED	N/A
PROPOSED ℄ ROUTE 32 S-CURVE (SUBPROJECT F)								
	355+00.00	N/A	0	528833.480	3080048.130	N/A	POT - BEGIN CHAIN RT-32 S-CURVE PROPOSED	N/A
	355+96.10	N/A	0	528801.285	3080138.674	N/A	PT - CHAIN RT-32 S-CURVE PROPOSED	N/A
	356+00.00	N/A	0	528799.878	3080142.314	N/A	PT- CHAIN RT-32 S-CURVE PROPOSED	N/A
	360+73.35	N/A	0	528629.264	3080583.846	N/A	PC - CHAIN RT-32 S-CURVE PROPOSED	N/A
	366+73.28	N/A	ON TANGENT	528413.024	3081143.455	N/A	PI - CHAIN RT-32 S-CURVE PROPOSED	N/A
	372+61.34	N/A	0	528398.390	3081743.212	N/A	PT - CHAIN RT-32 S-CURVE PROPOSED	N/A
	379+67.51	N/A	0	528381.166	3082449.176	N/A	POT - END CHAIN RT-32 S-CURVE PROPOSED	N/A

COORDINATE POINTS SHEET
SHEET 3 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	33

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

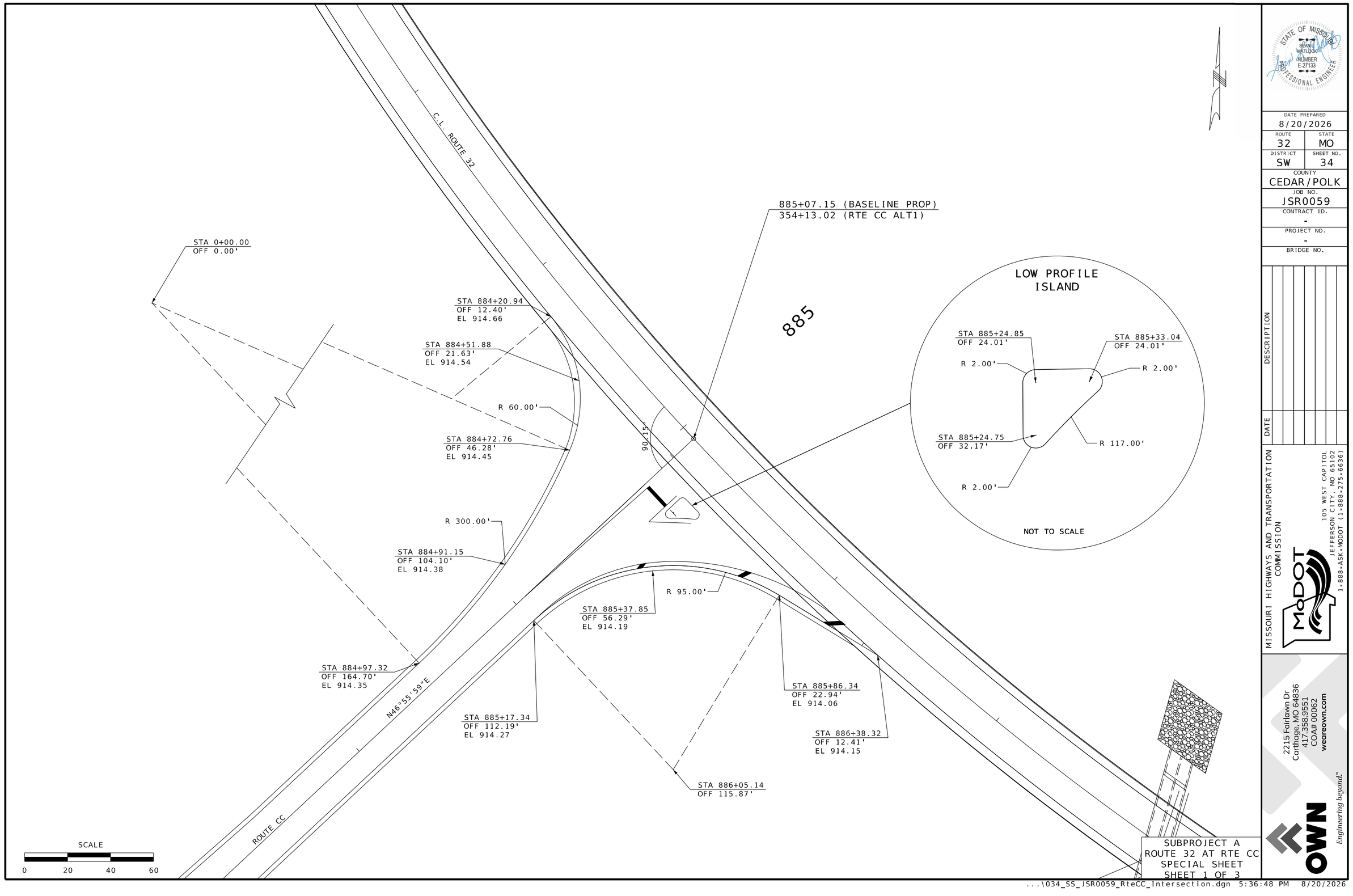
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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SUBPROJECT A
ROUTE 32 AT RTE CC
SPECIAL SHEET
SHEET 1 OF 3

...\034_SS_JSR0059_RteCC_Intersection.dgn 5:36:48 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	34

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

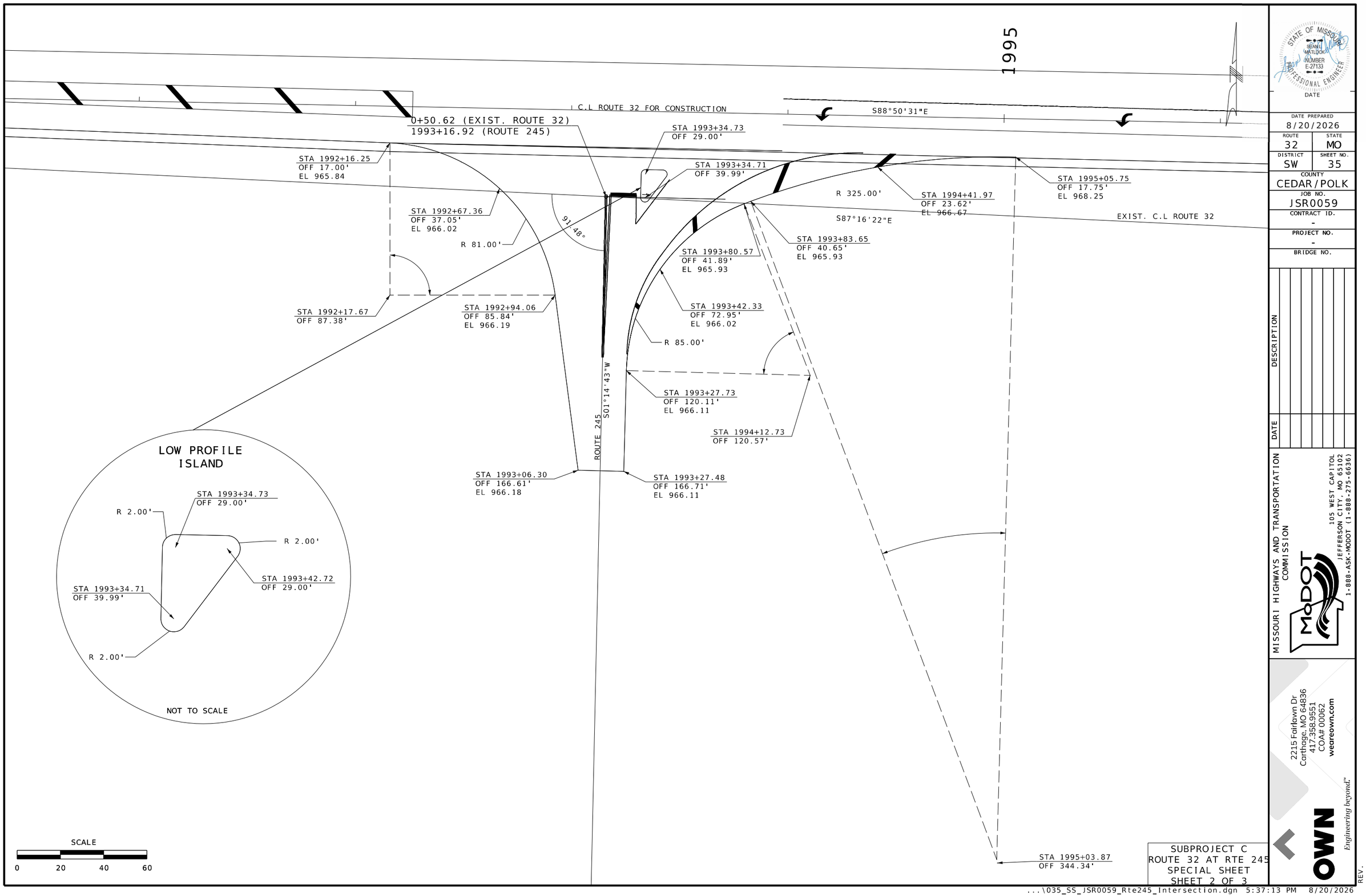
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
DATE

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	35

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

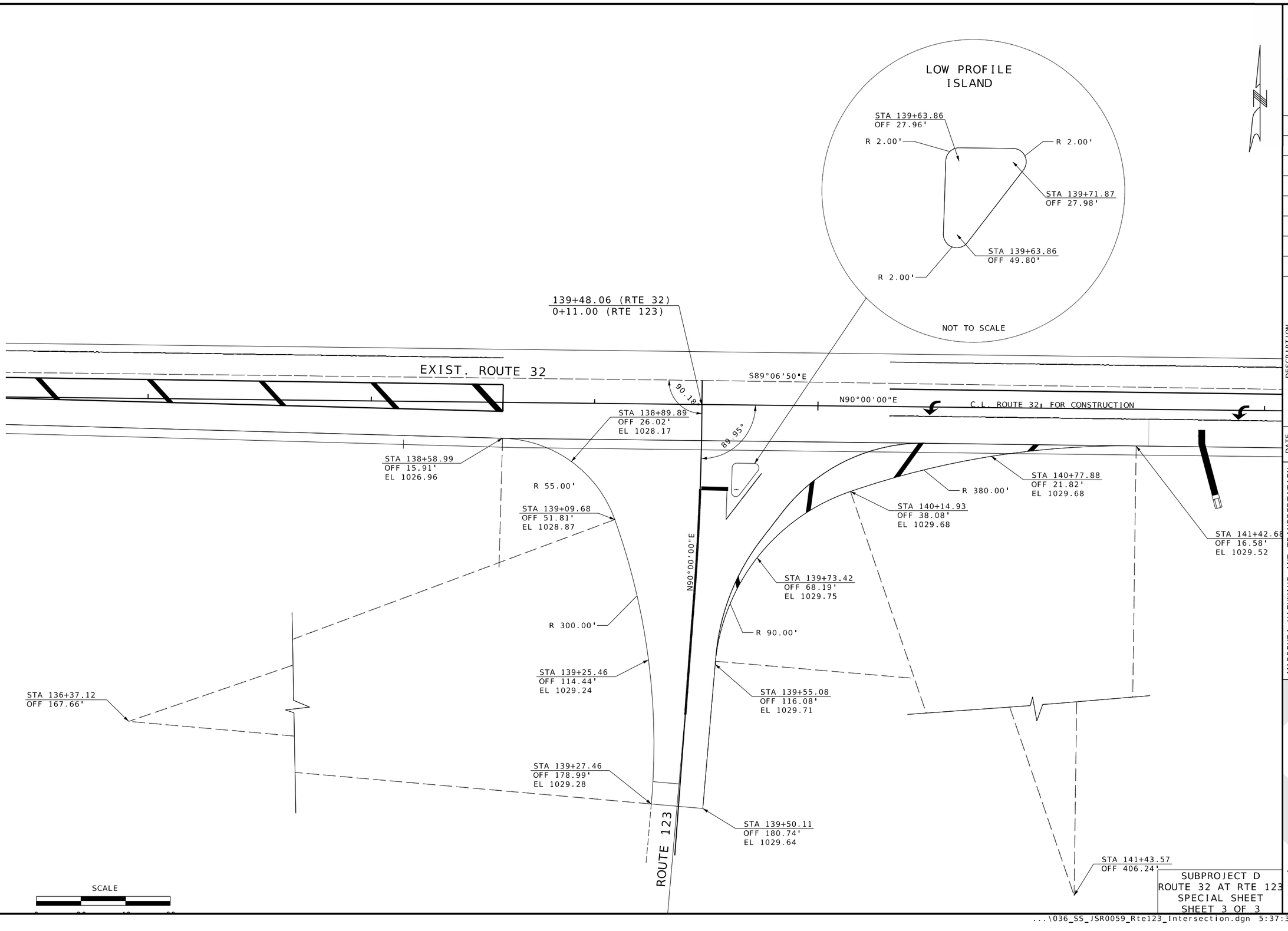
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
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SUBPROJECT C
ROUTE 32 AT RTE 245
SPECIAL SHEET
SHEET 2 OF 3

REV.

...\035_SS_JSR0059_Rte245_Intersection.dgn 5:37:13 PM 8/20/2026



SUBPROJECT D
ROUTE 32 AT RTE 123
SPECIAL SHEET
SHEET 3 OF 3

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	36

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

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BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL SUBPROJECTS)

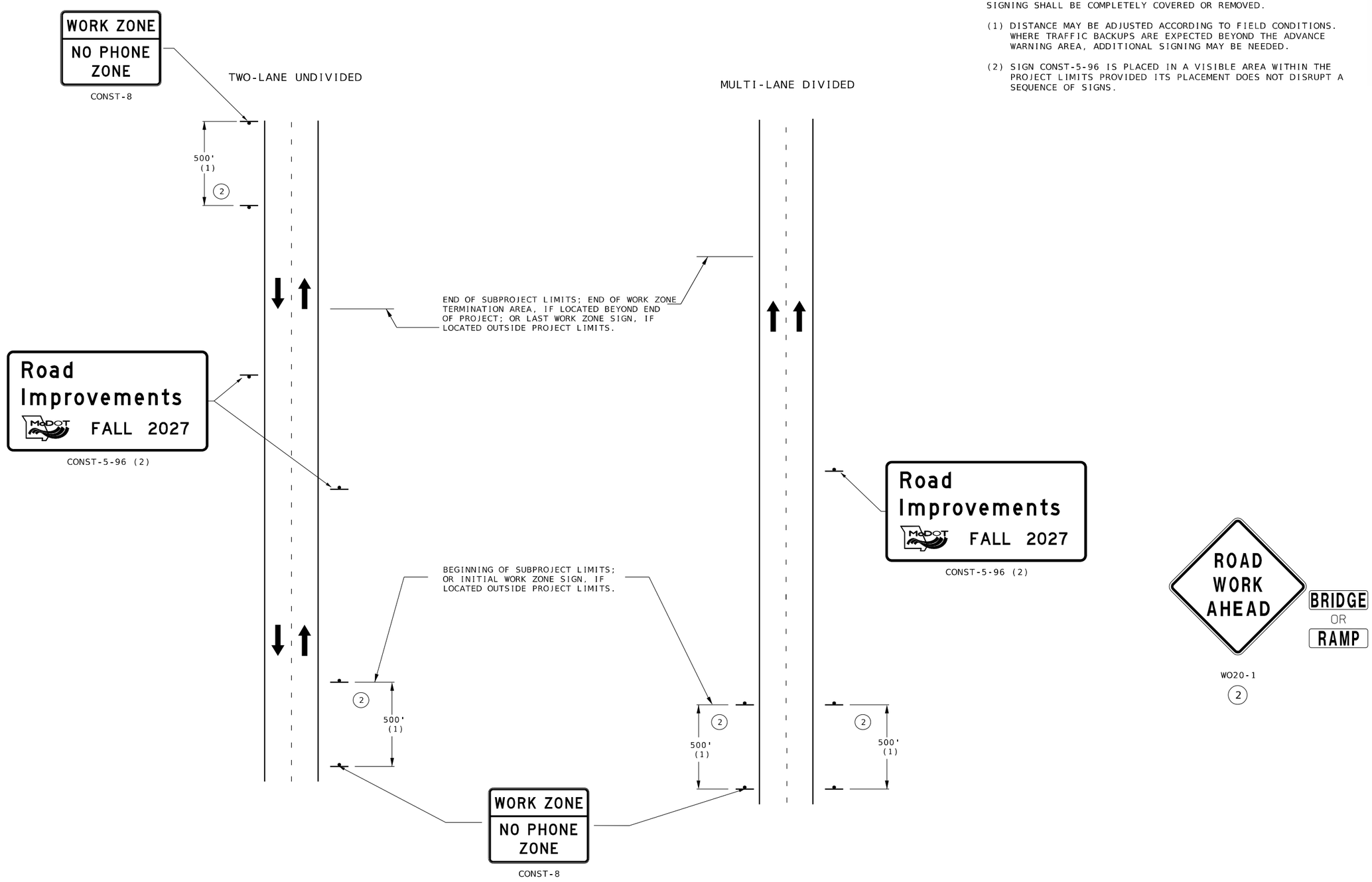
NOTES:

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

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

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS.



DRAWING NOT TO SCALE

TRAFFIC CONTROL
SHEET 1 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	37

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

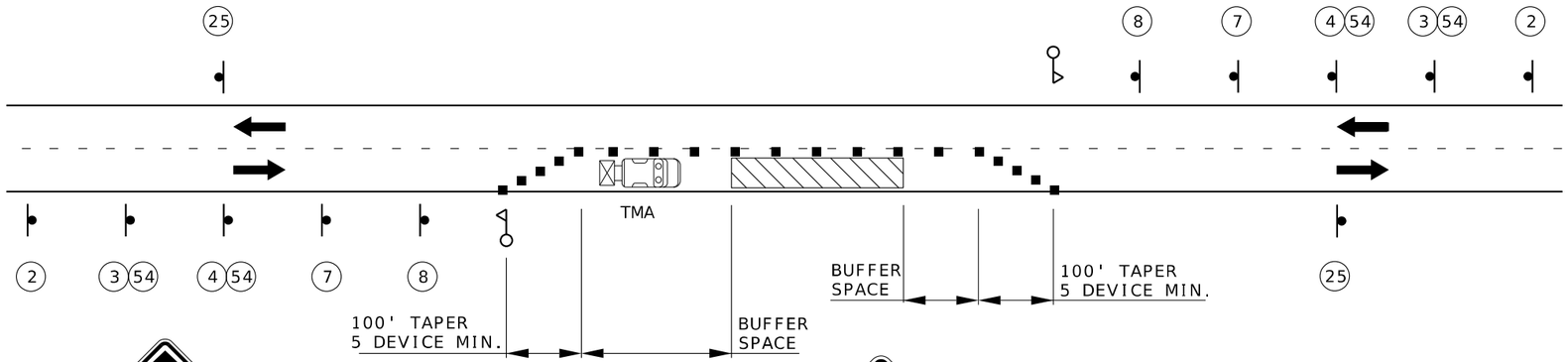
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Carthage, MO 64836
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SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPT. BUFFER LENGTH (FT)	LONGITUDINAL TRANSITION	CHANNELIZER SPACING (FT)	
	UNDIVIDED (S)	DIVIDED (S)	SHLDR (T1)	LANE (T2)	(B)	(X)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	245	250	120	15	25
40-45	350	500	-	540	360	270	20	50
50-55	500	1000	-	660	495	330	50	100
60-70	SA-1000, SB-1500, AND SC-2640		-	840	730	420	60	100

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

NOTES:

SEE ABOVE CHART FOR SIGN SPACING AND DEVICE SPACING.





WO20-1

2



W03-5

3



R2-1

4



WO20-4

7



WO20-7a

8



(NORMAL SPEED)
R2-1

25



GO20-5aP

54

NOTES:

THIS TYPICAL APPLICATION IS APPLICABLE TO INTERSECTIONS WITH RIGHT OF WAY CONTROL ON ALL APPROACHES.

A PROTECTIVE VEHICLE SHALL BE USED WHILE WORK IS IN PROGRESS WHEN SPACE ALLOWS. THE PROTECTIVE VEHICLE SHOULD BE EQUIPPED WITH A TMA AND POSITIONED AT LEAST 150 FT. IN ADVANCE OF THE WORK SPACE. THE PROTECTIVE VEHICLE MAY BE ELIMINATED IF THE ROADWAY IS POSTED AT 45 MPH OR BELOW, THE WORK VEHICLE IS POSITIONED IN ADVANCE OF THE WORK SPACE, AND THE WORK VEHICLE USES ACTIVATED ROTATING LIGHTS OR STROBE LIGHTS.

AT LOCATIONS WHERE RIGHT TURN MOVEMENTS ARE MINIMAL OR WHERE THE INCLUSION OF THE TURNING TRAFFIC WITH THE TRAFFIC USING THE ADJACENT OPEN LANE WILL NOT AFFECT CAPACITY OF THE APPROACH, IT IS ACCEPTABLE TO CLOSE ANY LANE NOT CARRIED THROUGH THE INTERSECTION PRIOR TO THE INTERSECTION. THEREBY, ELIMINATING THE TURN BAY SHOWN. IF RIGHT-TURN MOVEMENTS ARE SIGNIFICANT, HOWEVER, THE RIGHT LANE MAY BE LEFT OPEN PRIOR TO THE INTERSECTION BUT RESTRICTED TO RIGHT-TURN MOVEMENTS ONLY. IN THIS CASE, ALL CHANNELIZATION DEVICES PRIOR TO THE INTERSECTION ARE ELIMINATED EXCEPT THOSE THAT MIGHT BE USED TO FORM A TEMPORARY ISLAND EMPHASIZING THE MANDATORY TURNING MOVEMENT.

FOR INTERSECTION APPROACHES REDUCED TO A SINGLE LANE, LEFT-TURNING MOVEMENTS MAY BE PROHIBITED TO MAINTAIN CAPACITY FOR THROUGH MOTOR VEHICLE TRAFFIC.

IF THE WORK SPACE EXTENDS ACROSS THE SIDEWALK, THE CROSSWALK SHOULD BE CLOSED.

BUFFER AND TAPER LENGTHS NOTED IN TABLE MAY BE MODIFIED TO FIT CONDITIONS.

FOR SHORT DURATION OPERATIONS, SIGNS AND CHANNELIZERS MAY BE REDUCED OR ELIMINATED.

FOR MOBILE OPERATIONS WHERE WORKERS ARE ON FOOT AND MOVE WITH THE OPERATION, CHANNELIZERS MAY BE REDUCED OR ELIMINATED.

WHERE POSSIBLE, SIGNS SHOULD BE PROVIDED ON BOTH SIDES OF THE AFFECTED APPROACH WHEN THE APPROACH IS TWO OR MORE LANES WIDE.

FOR HIGH SPEED FACILITIES, CHANNELIZER SPACING MAY BE REDUCED TO ½ SPACING NOTED IN TABLE.

OTHER APPROPRIATE SIGNS MAY BE USED IN LIEU OF THE ROAD WORK AHEAD SIGN.

SUPPLEMENTAL WARNING METHODS MAY BE USED TO CALL ATTENTION TO THE WORK ZONE.

DRAWING NOT TO SCALE

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	38

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

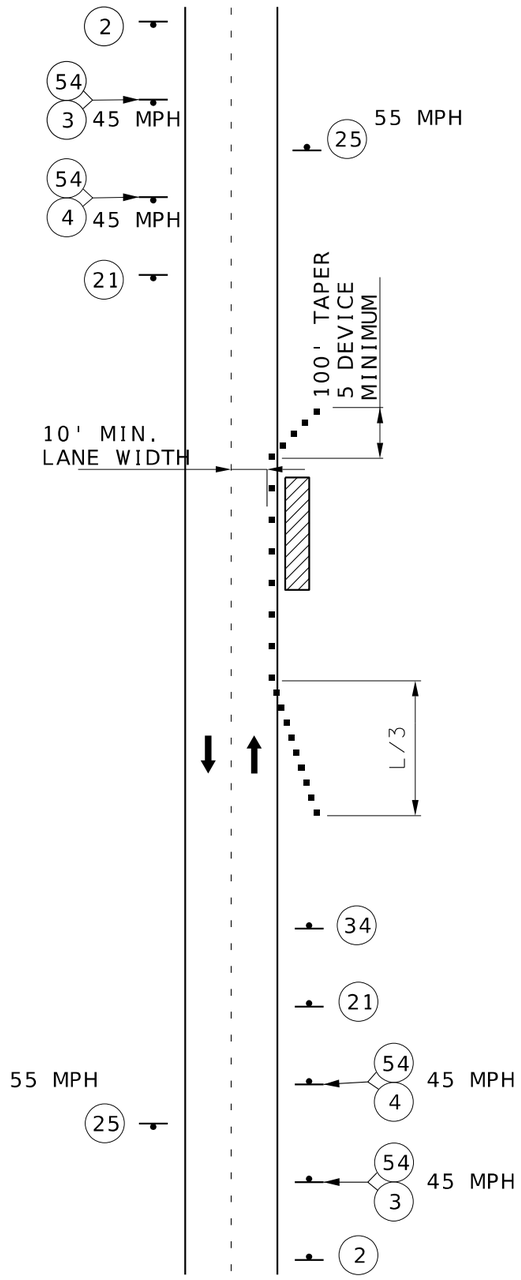
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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REV.

Minor Travelway Encroachment



NOTES:

ON NON-DIVIDED HIGHWAYS, PROVIDE SIGNS ONLY ON THE RIGHT SIDE OF EACH APPROACH.

DRAWING NOT TO SCALE

Shoulder Work

GENERAL NOTES:

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

SIGN (2) NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN (2) IS ALREADY USED.

SIGNS (3) , (4) , (25) AND (54) NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE AN APPROPRIATE SPEED LIMIT, EITHER NORMAL OR REDUCED, IS ESTABLISHED.

FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT.



WO20-1

(2)



WO3-5

(3)



R2-1

(4)



WO21-5b

(21)



(NORMAL SPEED)
R2-1

(25)



WO5-5

(34)



GO20-5aP

(54)

TRAFFIC CONTROL SHEET 3 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/21/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 39
COUNTY CEDAR/POLK
JOB NO. JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
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STAGE 1 CONSTRUCTION

BUILD DOUBLE 5' X 6' RCB
ROUTE 32 AT STA. 887+94.55.

GRADE AND BUILD NEW PAVEMENT
ROUTE 32 FROM STA. 878+00.00 TO STA. 892+00.00.

GRADE AND BUILD NEW PAVEMENT
RTE. CC FROM STA. 350+00.00 STA. 354+00.30.

EXIST. RTE. 32 REMAINS OPEN TO TRAFFIC.

STAGE 2A CONSTRUCTION

CLOSE ROUTE 32 & ROUTE CC.

GRADE AND BUILD NEW PAVEMENT
ROUTE CC FROM STA. 341+96.00 TO STA. 350+00.00.

GRADE AND BUILD NEW PAVEMENT
C.R. 825 FROM STA. 8+31.02 TO ROUTE CC.

GRADE AND BUILD NEW PAVEMENT
ROUTE 32 FROM STA. 892+00.00 TO STA. 898+26.00.

OPEN ROUTE CC, C.R. 825 & ROUTE 32 FROM
ROUTE CC TO STA. 898+26.00 AS SOON AS POSSIBLE.

STAGE 2B CONSTRUCTION

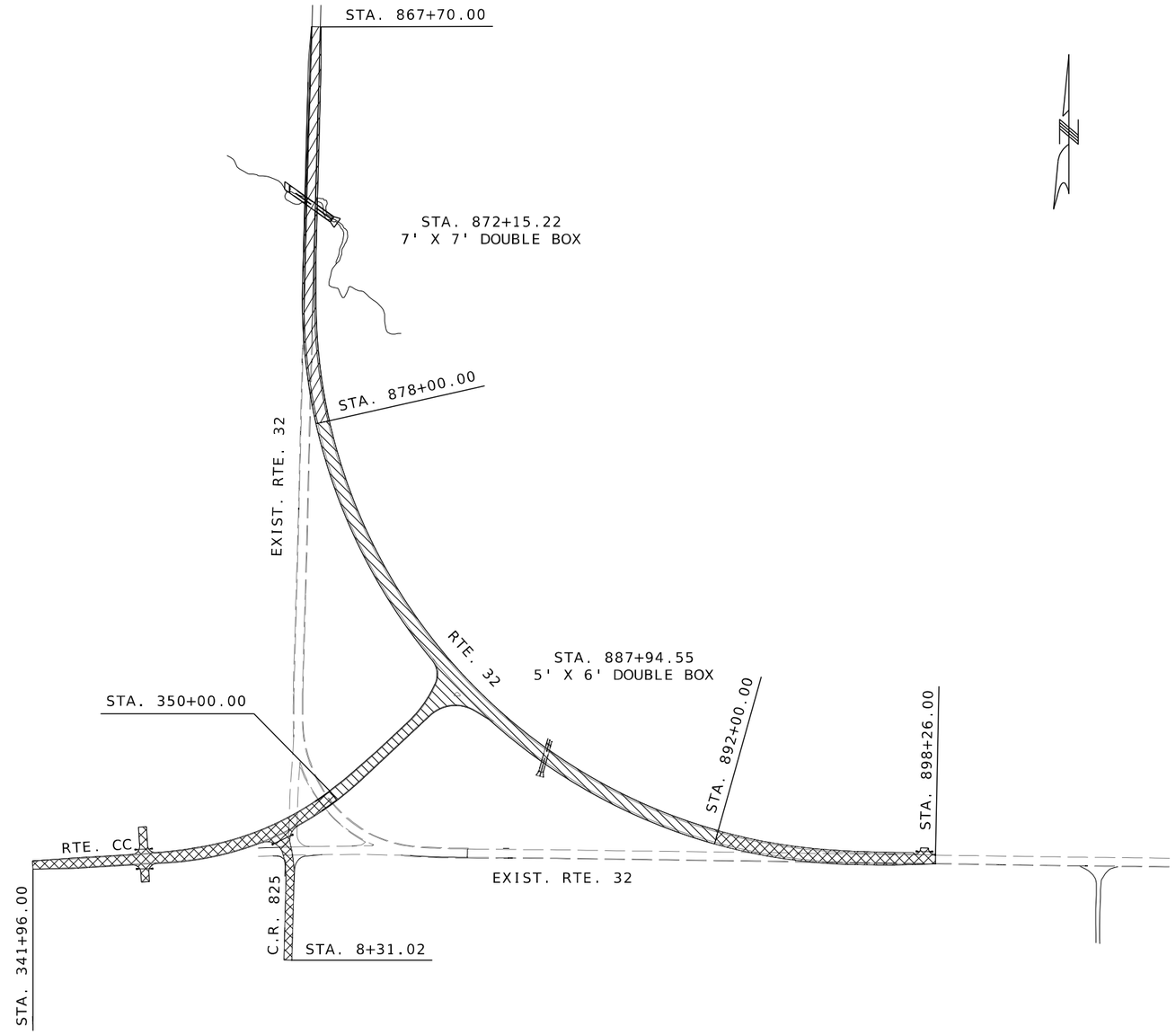
BUILD DOUBLE 7' X 7' RCB
ROUTE 32 AT STA. 872+15.22.

GRADE AND BUILD NEW PAVEMENT
ROUTE 32 FROM STA. 867+70.00 TO STA. 878+00.00.

OPEN ROUTE 32.

REMOVE EXIST. ROUTE 32

NOTE: STAGE 2A AND STAGE 2B
SHALL BEGIN CONCURRENTLY. SEE
JOB SPECIAL PROVISIONS.



CONSTRUCTION STAGING
ROUTE 32 AND ROUTE CC

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

SUBPROJECT A
TRAFFIC CONTROL
SHEET 4 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	40

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

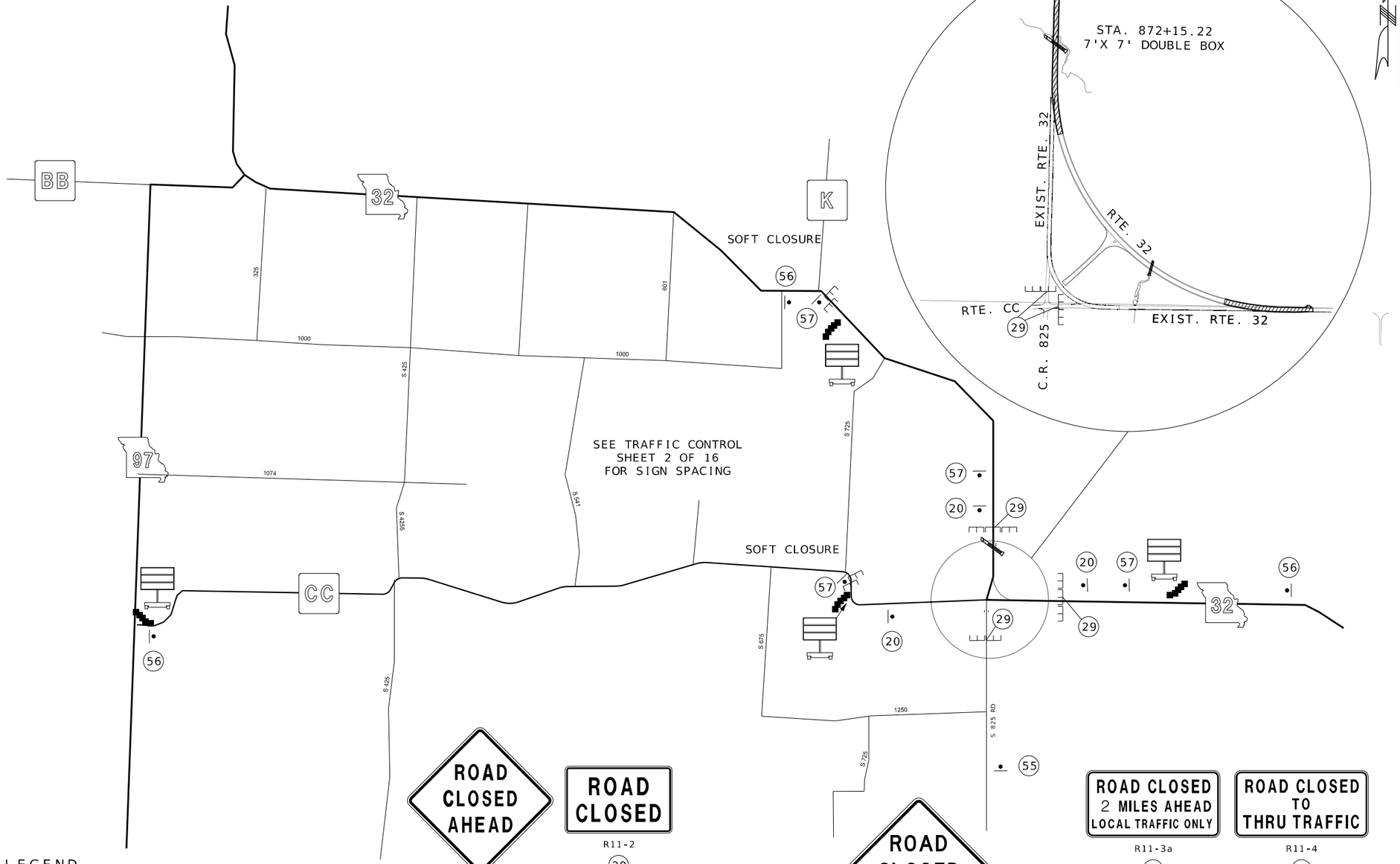
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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EB RTE 32 - 2 MILES
WB RTE 32 - 6 MILES
EB RTE CC - 6 MILES

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

ROUTE 32 ROAD CLOSURE
STAGE 2A

SUBPROJECT A
TRAFFIC CONTROL
SHEET 5 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	41

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

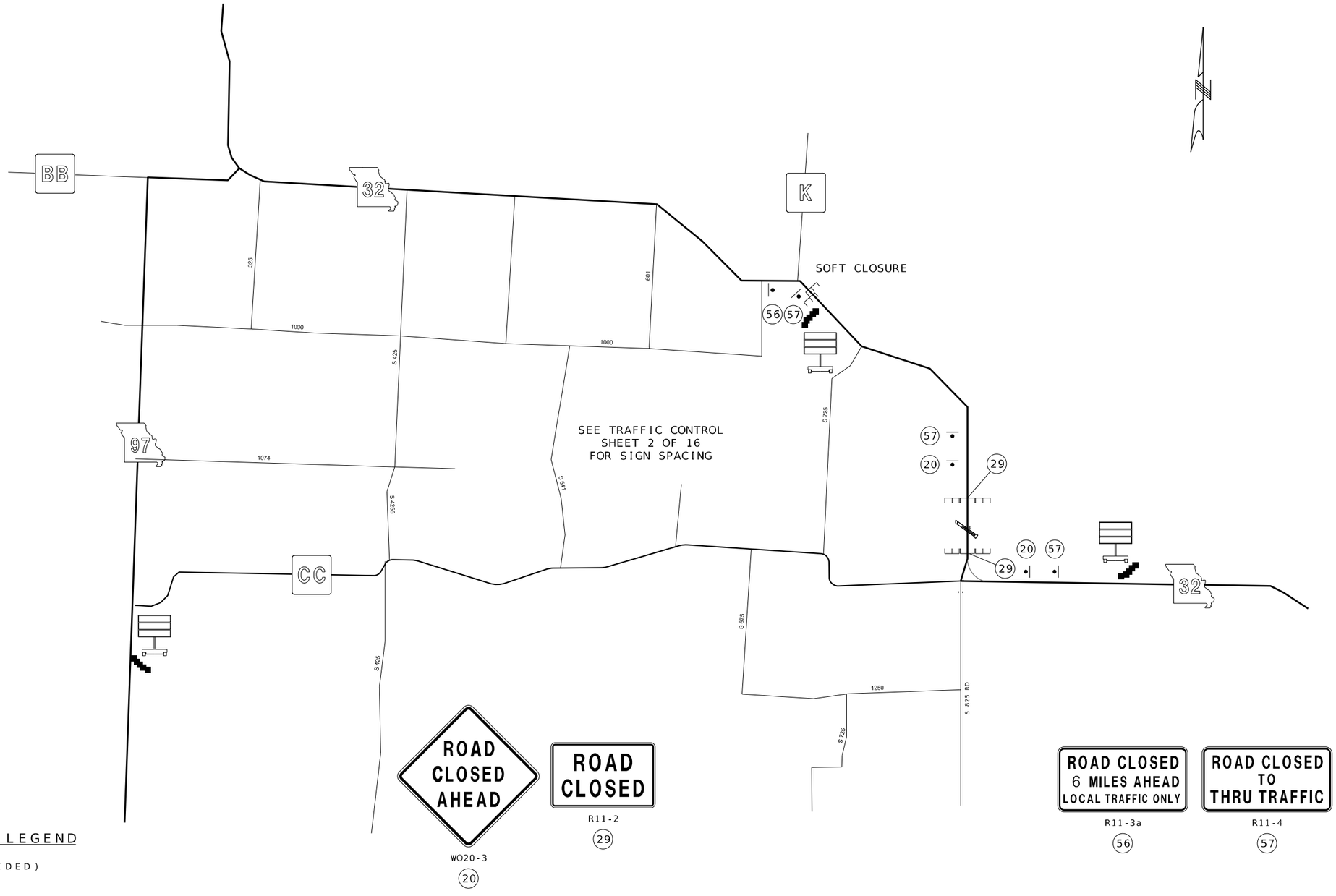
PROJECT NO.
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BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr.
Carthage, MO 64836
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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

ROUTE CC ROAD CLOSURE
STAGE 2B

SUBPROJECT A
TRAFFIC CONTROL
SHEET 6 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	42

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

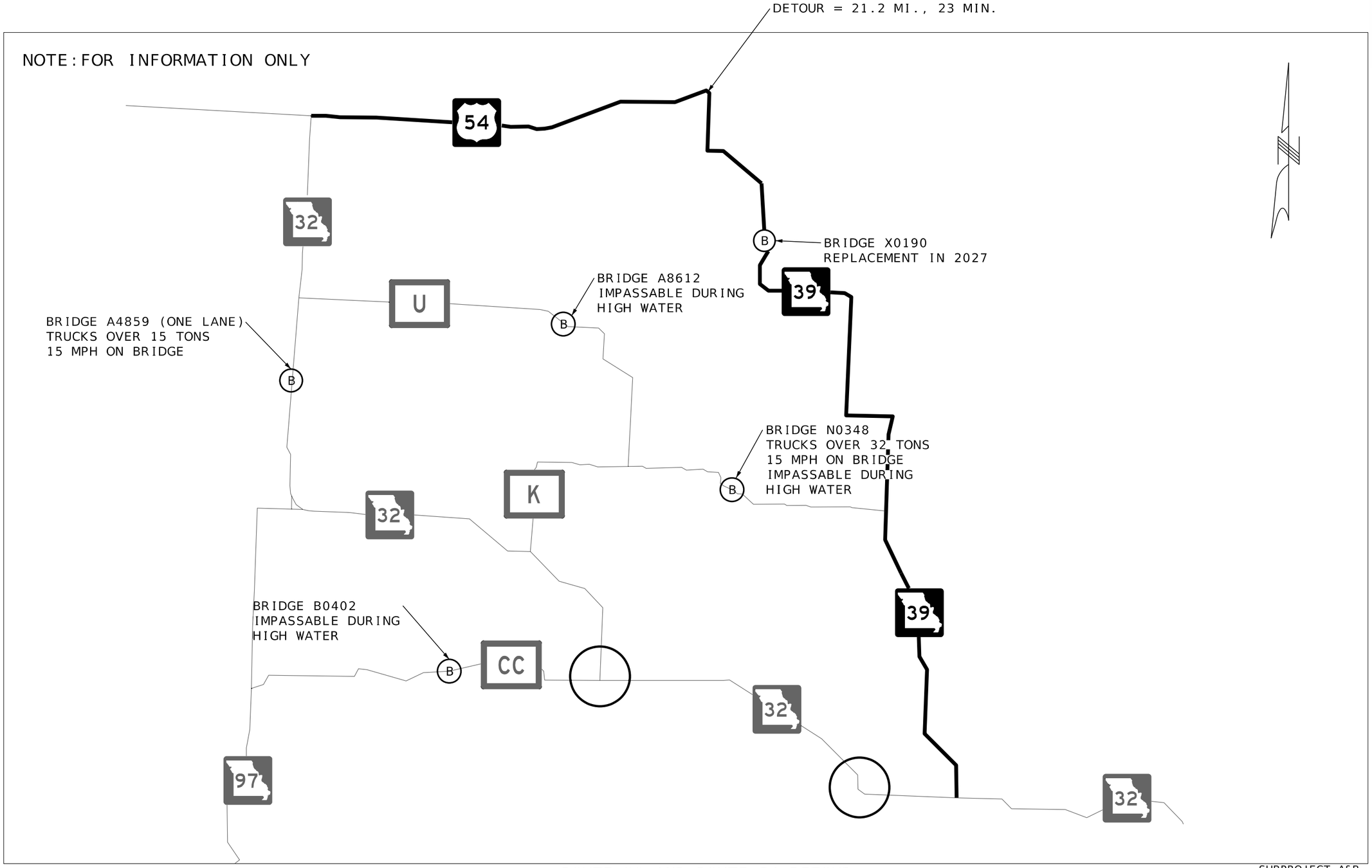
DESCRIPTION	DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
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NOTE: FOR INFORMATION ONLY



NOT TO SCALE

ROUTE 39 AND ROUTE 54 DETOUR
FOR ROUTE 32 CLOSURE

SUBPROJECT A&B
TRAFFIC CONTROL
SHEET 7 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	43

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

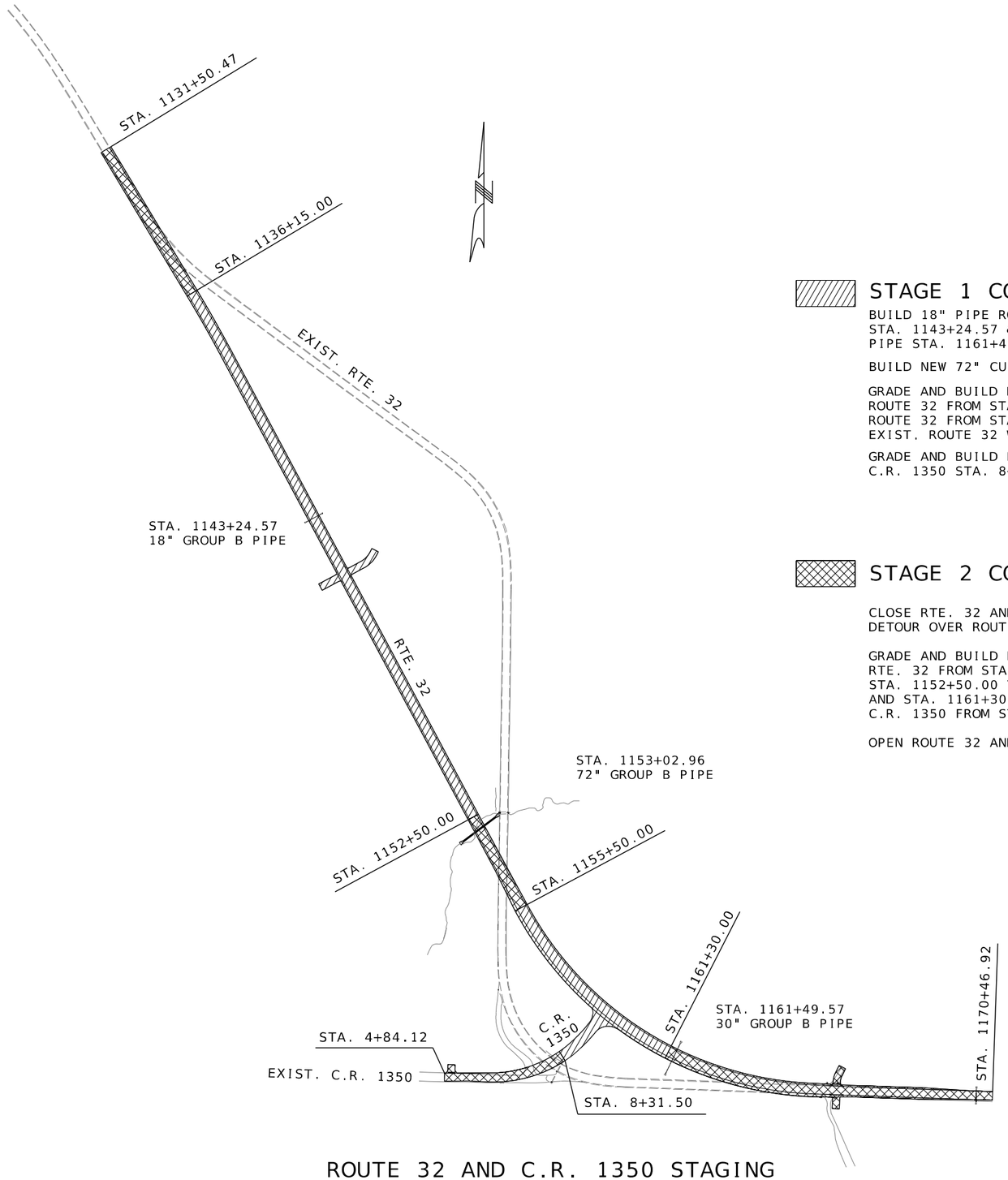
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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STAGE 1 CONSTRUCTION

BUILD 18" PIPE ROUTE 32
STA. 1143+24.57 & 30"
PIPE STA. 1161+49.57.

BUILD NEW 72" CULVERT AT STA. 1153+02.96.

GRADE AND BUILD NEW PAVEMENT
ROUTE 32 FROM STA. 1136+15.00 TO STA. 1152+50.00 &
ROUTE 32 FROM STA. 1155+50.00 TO STA. 1161+30.00.
EXIST. ROUTE 32 WILL REMAIN OPEN.

GRADE AND BUILD NEW PAVEMENT
C.R. 1350 STA. 8+31.50 TO STA. 9+80.00

STAGE 2 CONSTRUCTION

CLOSE RTE. 32 AND C.R. 1350.
DETOUR OVER ROUTE K AND ROUTE 39.

GRADE AND BUILD NEW PAVEMENT
RTE. 32 FROM STA. 1131+50.47 TO STA. 1136+15.00,
STA. 1152+50.00 TO STA. 1155+50.00
AND STA. 1161+30.00 TO STA. 1170+46.92.
C.R. 1350 FROM STA. 4+84.12 TO STA. 8+31.50.

OPEN ROUTE 32 AND C.R. 1350 TO TRAFFIC.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

ROUTE 32 AND C.R. 1350 STAGING

SUBPROJECT B
TRAFFIC CONTROL
SHEET 8 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	44

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
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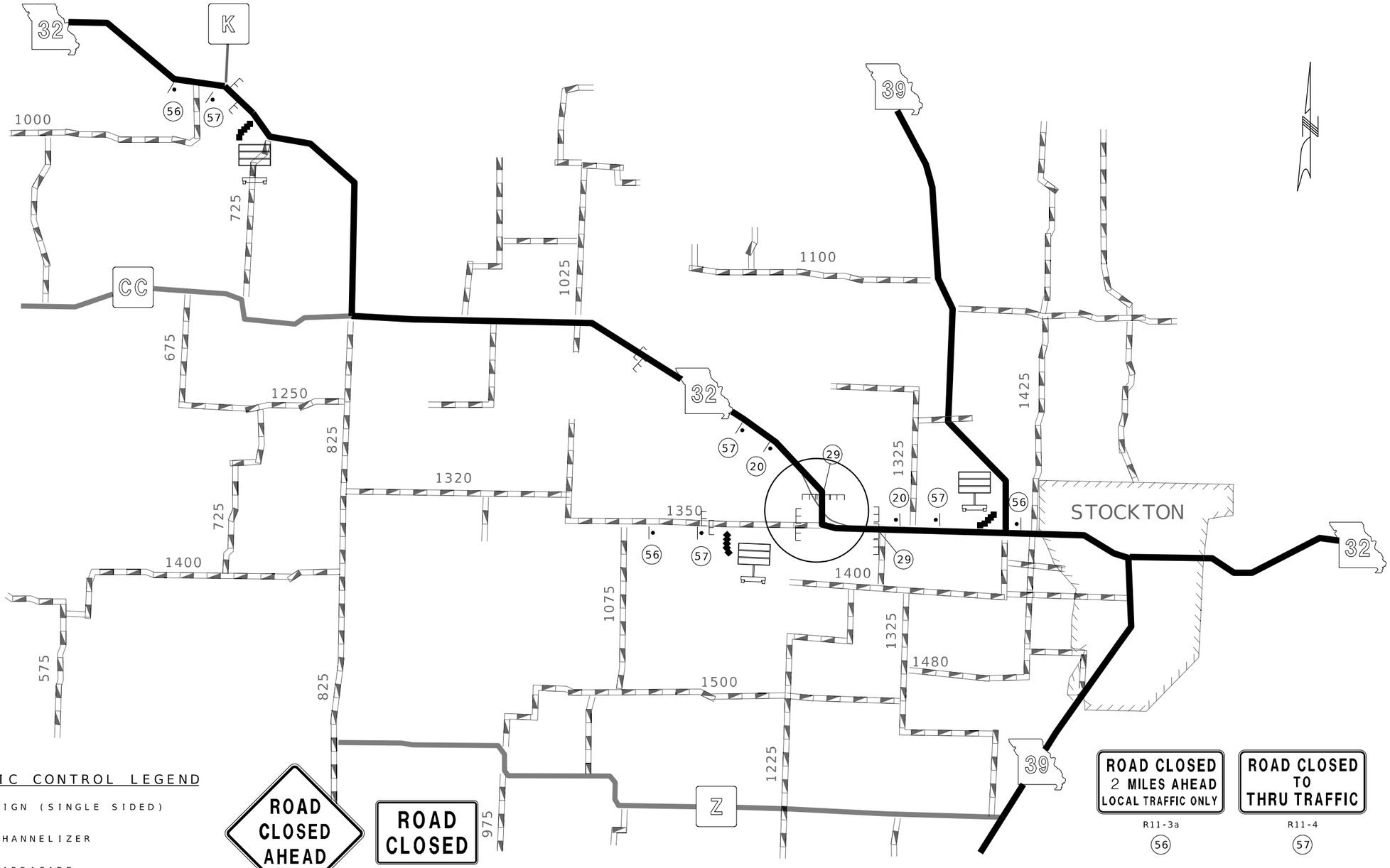
PROJECT NO.
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BRIDGE NO.

DESCRIPTION	DATE

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

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

ROUTE 32 AT C.R.1350
CLOSURE DETOUR

SUBPROJECT B
TRAFFIC CONTROL
SHEET 9 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO

DISTRICT	SHEET NO.
SW	45

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
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PROJECT NO.
-

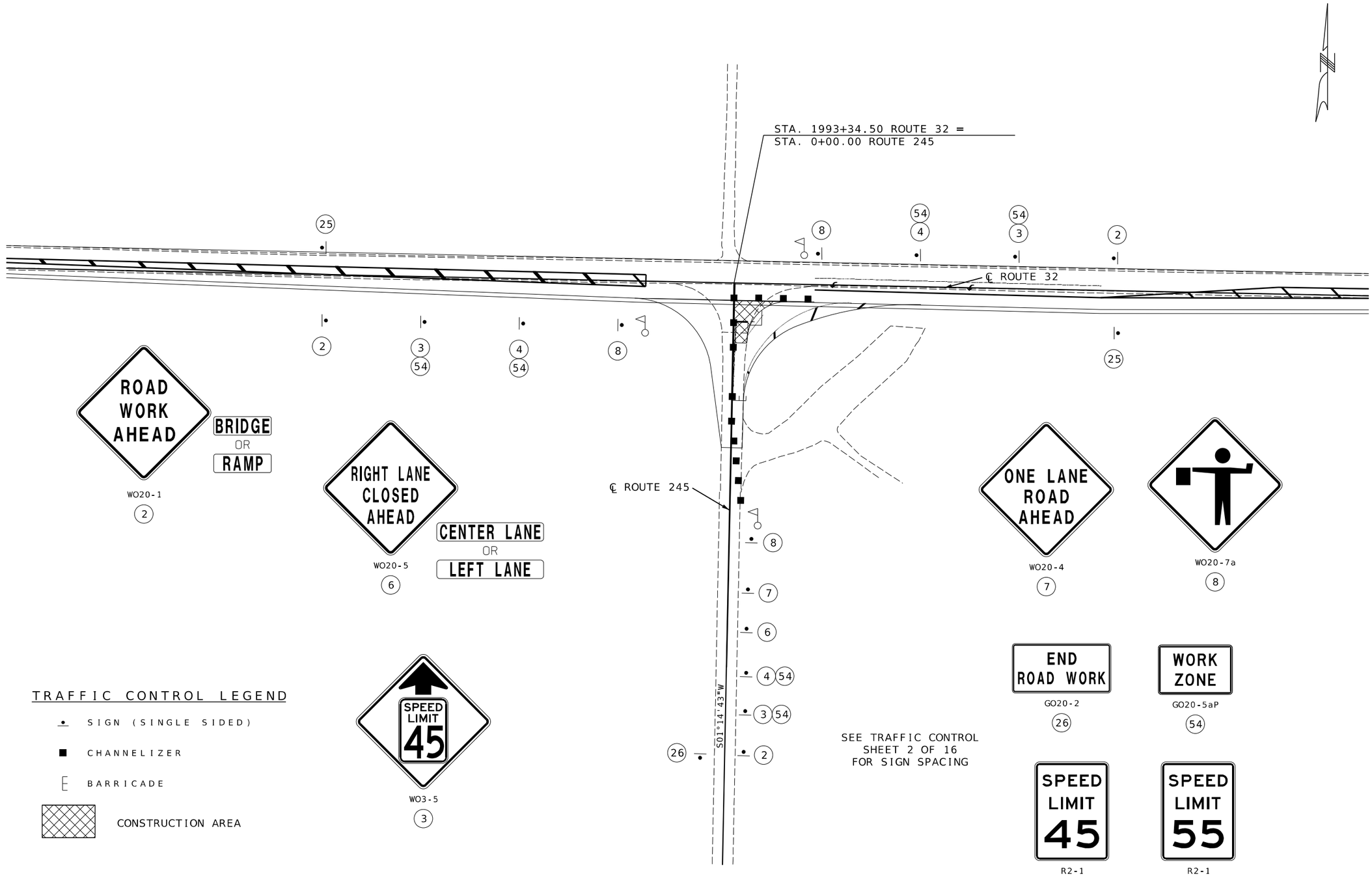
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr
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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CONSTRUCTION AREA

SEE TRAFFIC CONTROL SHEET 2 OF 16 FOR SIGN SPACING

NOT TO SCALE

TEMPORARY ROUTE 245 SIGNING
STAGE 1

SUBPROJECT C
TRAFFIC CONTROL
SHEET 10 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	46

COUNTY: CEDAR / POLK
JOB NO.: JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

STA. 1993+34.50 ROUTE 32 =
STA. 0+00.00 ROUTE 245

℄ ROUTE 32

℄ ROUTE 245

S01°14'43"W

ROAD WORK AHEAD
WO20-1
2

BRIDGE OR RAMP

RIGHT LANE CLOSED AHEAD
WO20-5
6

CENTER LANE OR LEFT LANE

SPEED LIMIT 45
WO3-5
3

ONE LANE ROAD AHEAD
WO20-4
7

WO20-7a
8

SEE TRAFFIC CONTROL SHEET 2 OF 16 FOR SIGN SPACING

END ROAD WORK
GO20-2
26

WORK ZONE
GO20-5aP
54

SPEED LIMIT 45
R2-1
4

SPEED LIMIT 55
R2-1
25

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CONSTRUCTION AREA

NOT TO SCALE

TEMPORARY ROUTE 245 SIGNING
STAGE 2

SUBPROJECT C
TRAFFIC CONTROL
SHEET 11 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	47

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

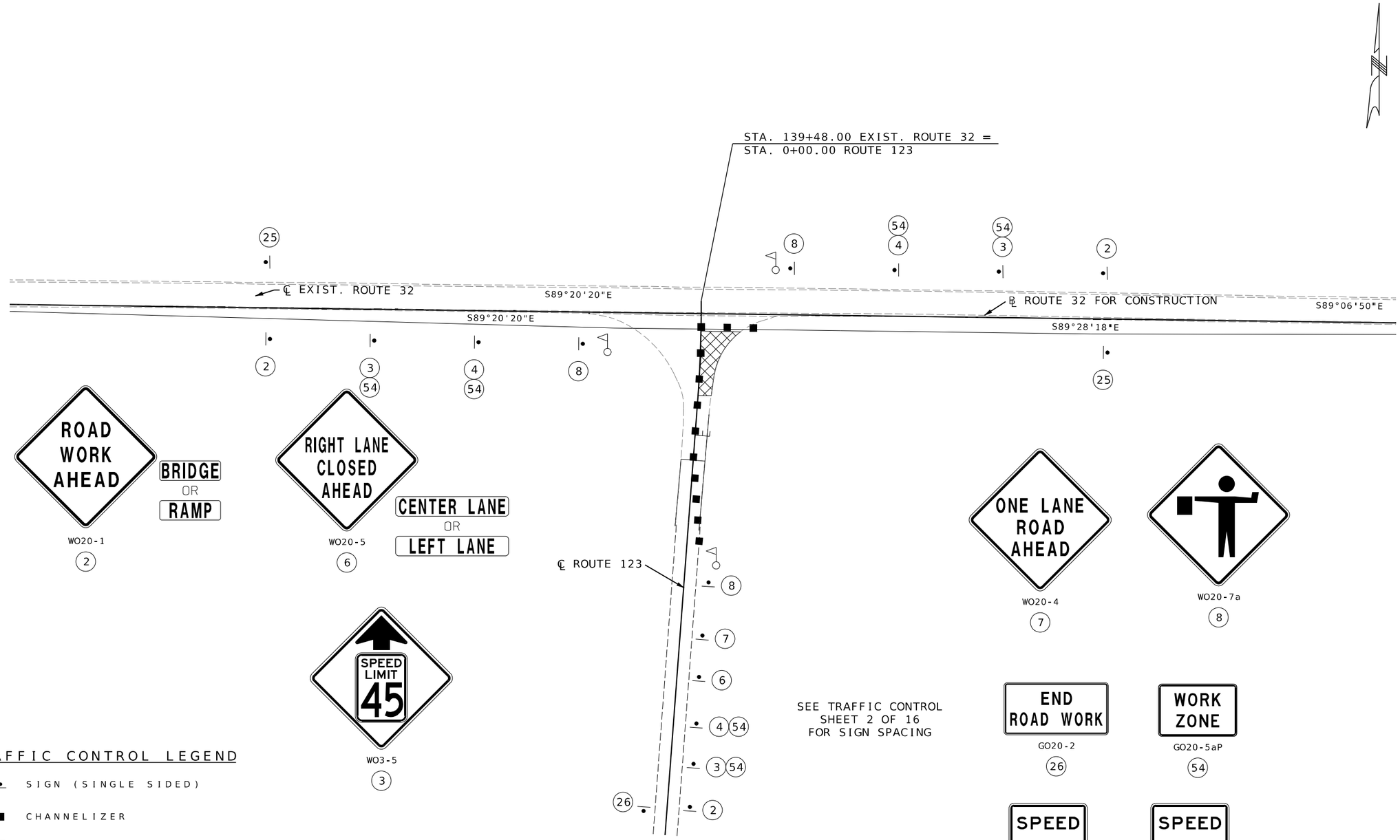
BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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SEE TRAFFIC CONTROL SHEET 2 OF 16 FOR SIGN SPACING

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CONSTRUCTION AREA

NOT TO SCALE

TEMPORARY ROUTE 123 SIGNING STAGE 1

SUBPROJECT D
TRAFFIC CONTROL
SHEET 12 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	48

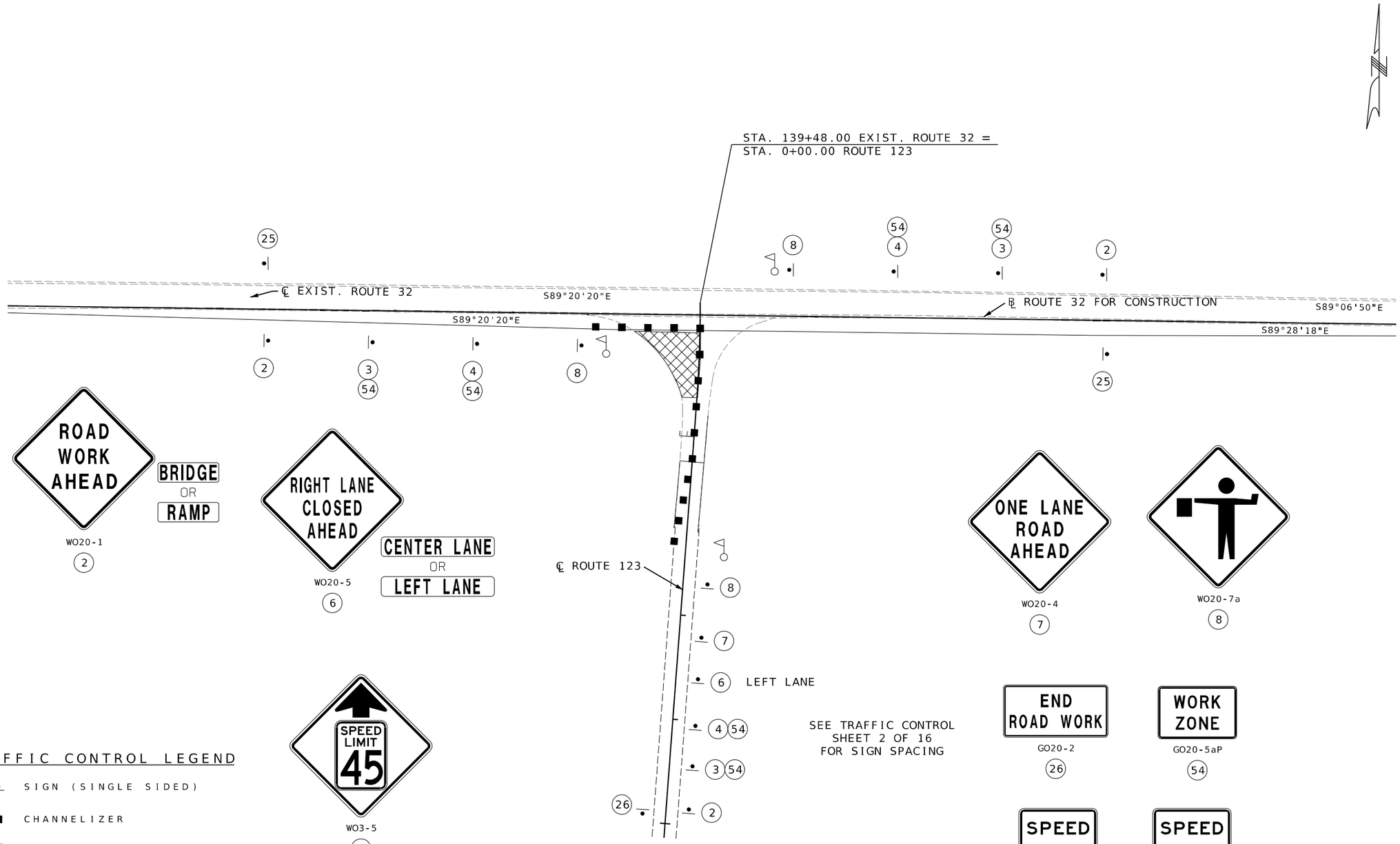
COUNTY: CEDAR / POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.:

DESCRIPTION | DATE

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

2215 Fairlawn Dr
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...\048_TC_12-16_JSR0059_Rte123_I50_Stage1.dgn 5:39:54 PM 8/20/2026



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CONSTRUCTION AREA

SCALE

0 50 100 150

SEE TRAFFIC CONTROL SHEET 2 OF 16 FOR SIGN SPACING

NOT TO SCALE

TEMPORARY ROUTE 123 SIGNING
STAGE 2

SUBPROJECT D
TRAFFIC CONTROL
SHEET 13 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	49

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

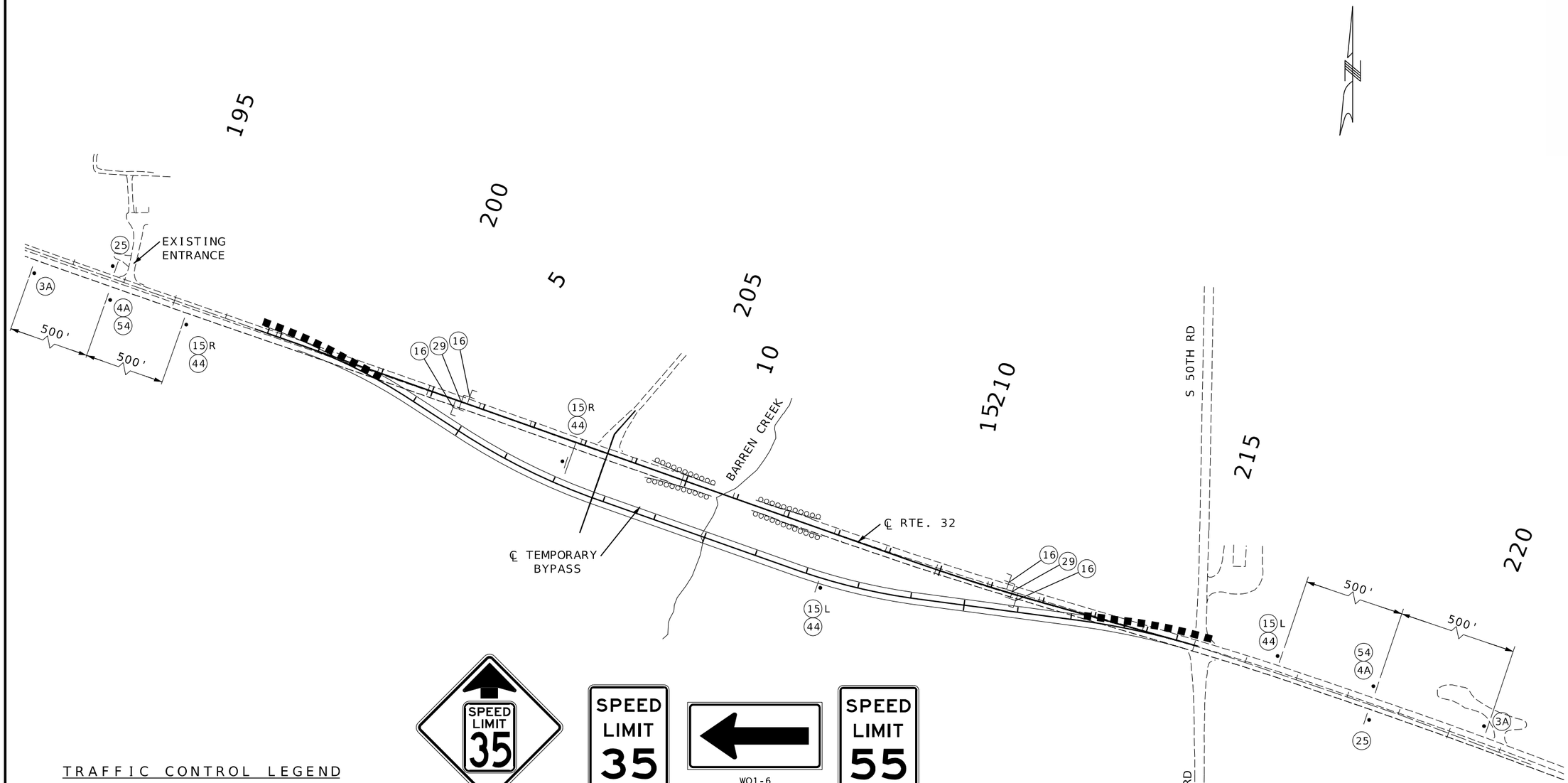
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

SCALE

0 100 200 300 400 500



WO3-5
3A



R2-1
4A

WO1-6
16

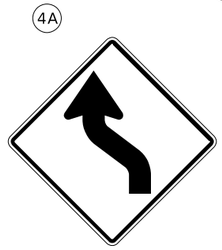


R2-1
25

SEE TRAFFIC CONTROL SHEET 2 OF 16 FOR SIGN SPACING



R11-2
29



WO1-4L
15



WO1-4R
15



WO13-1
44



GO20-5aP
54

ROUTE 32 TEMPORARY BYPASS SIGNING

SUBPROJECT E
TRAFFIC CONTROL
SHEET 14 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	50

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

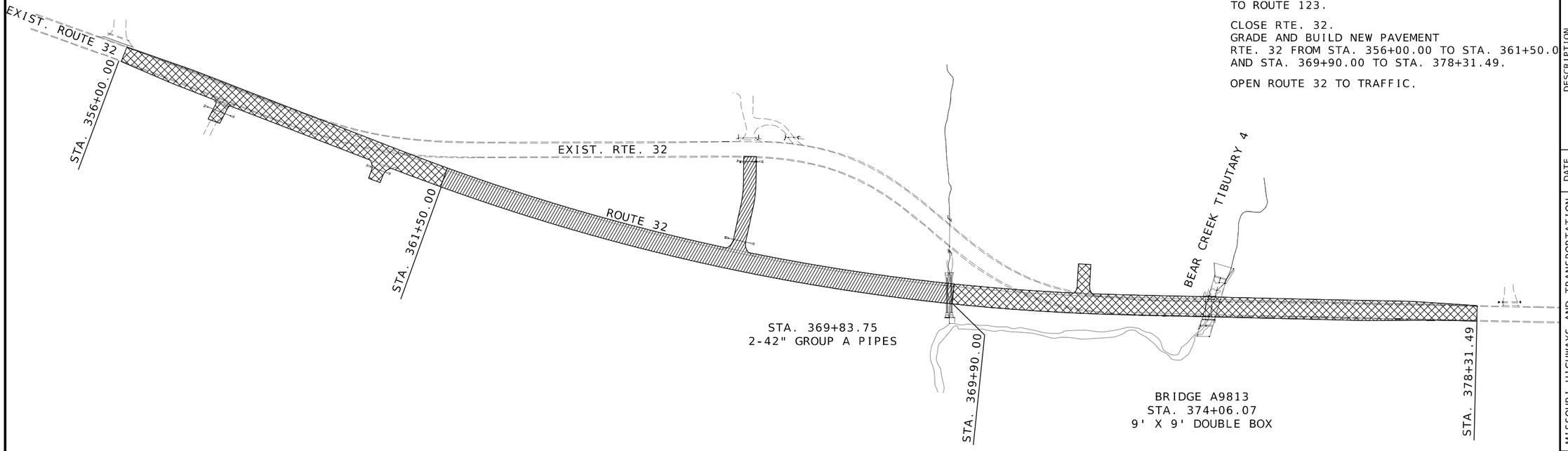
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
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STAGE 1 CONSTRUCTION

BUILD 2-42" GROUP A PIPES ROUTE 32
STA. 369+83.75.

GRADE AND BUILD NEW PAVEMENT
ROUTE 32 FROM STA. 361+50.00 TO STA. 369+90.
EXIST. ROUTE 32 WILL REMAIN OPEN.

STAGE 2 CONSTRUCTION

BUILD DOUBLE 9' X 9' RCB ROUTE 32
STA. 374+06.07.

CLOSE RTE. 32.
DETOUR ROUTE 13 TO ROUTE BB
TO ROUTE 123.

CLOSE RTE. 32.
GRADE AND BUILD NEW PAVEMENT
RTE. 32 FROM STA. 356+00.00 TO STA. 361+50.0
AND STA. 369+90.00 TO STA. 378+31.49.

OPEN ROUTE 32 TO TRAFFIC.

ROUTE 32 STAGING

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

SUBPROJECT F
TRAFFIC CONTROL
SHEET 15 OF 16

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	51

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

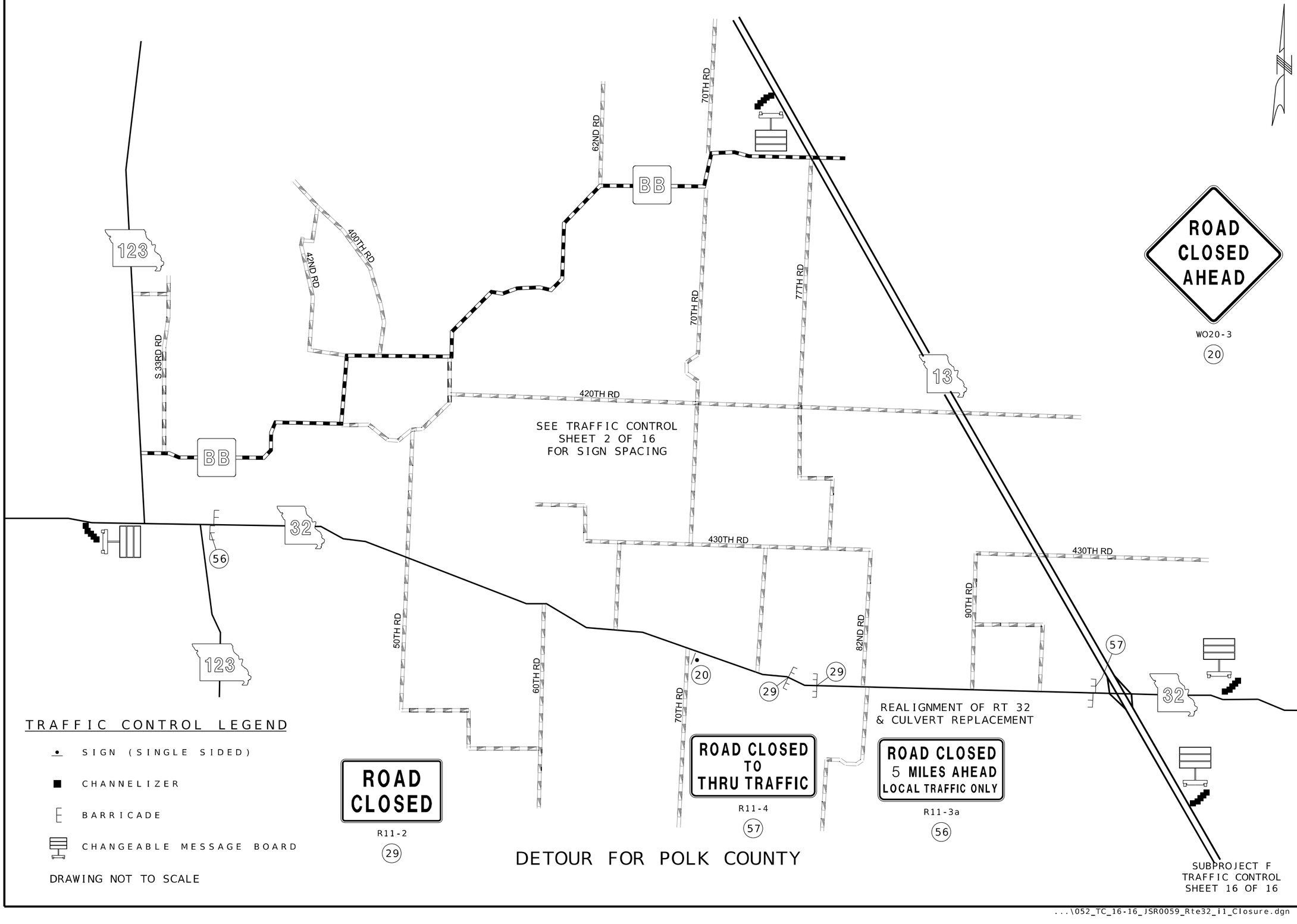
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr.
Carthage, MO 64836
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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	52

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

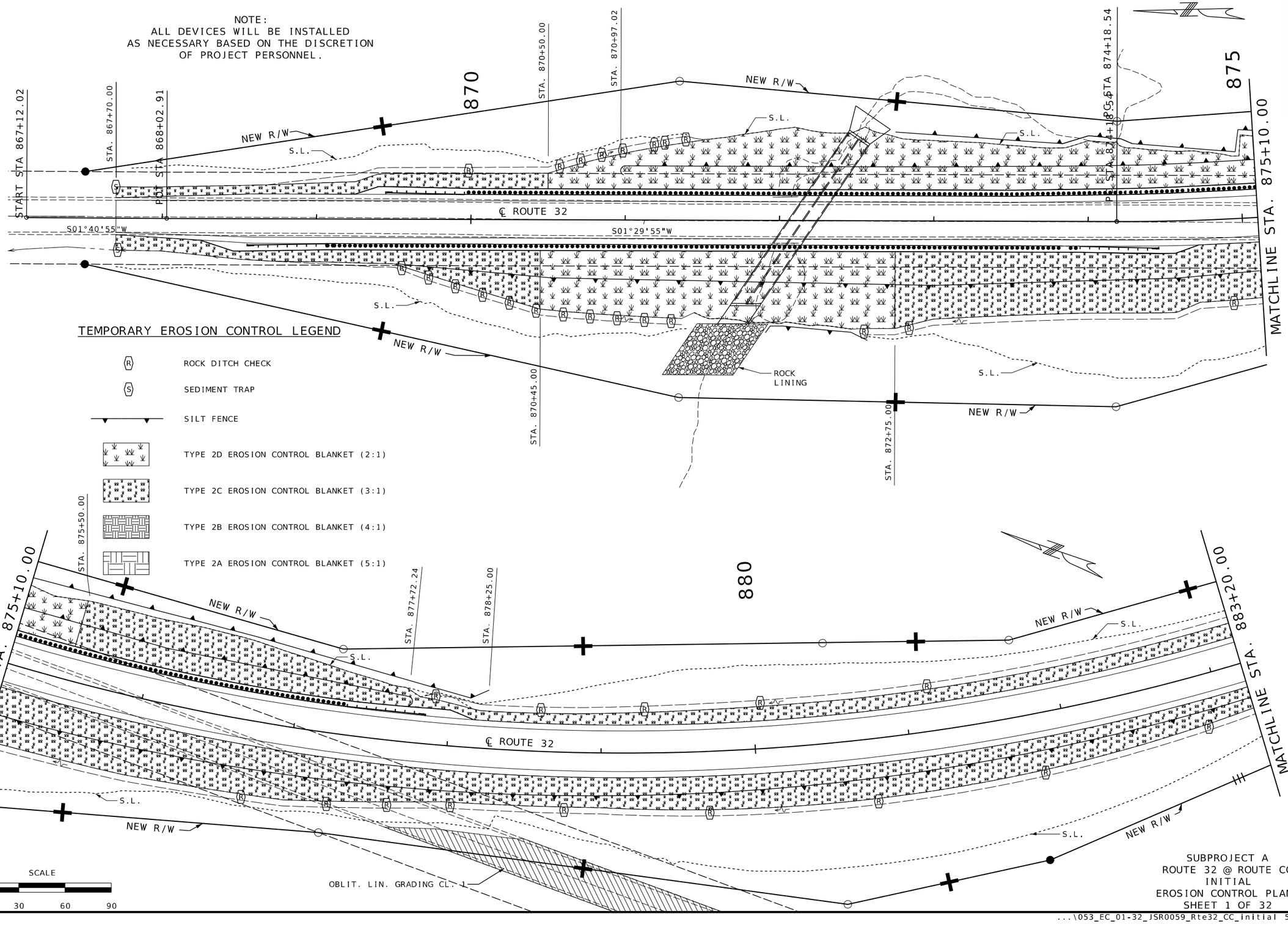
BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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NOTE:
ALL DEVICES WILL BE INSTALLED
AS NECESSARY BASED ON THE DISCRETION
OF PROJECT PERSONNEL.



TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SUBPROJECT A
ROUTE 32 @ ROUTE CC
INITIAL
EROSION CONTROL PLANS
SHEET 1 OF 32

...\053_EC_01-32_JSR0059_Rte32_CC_Initial 5:40:57 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	53

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

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)

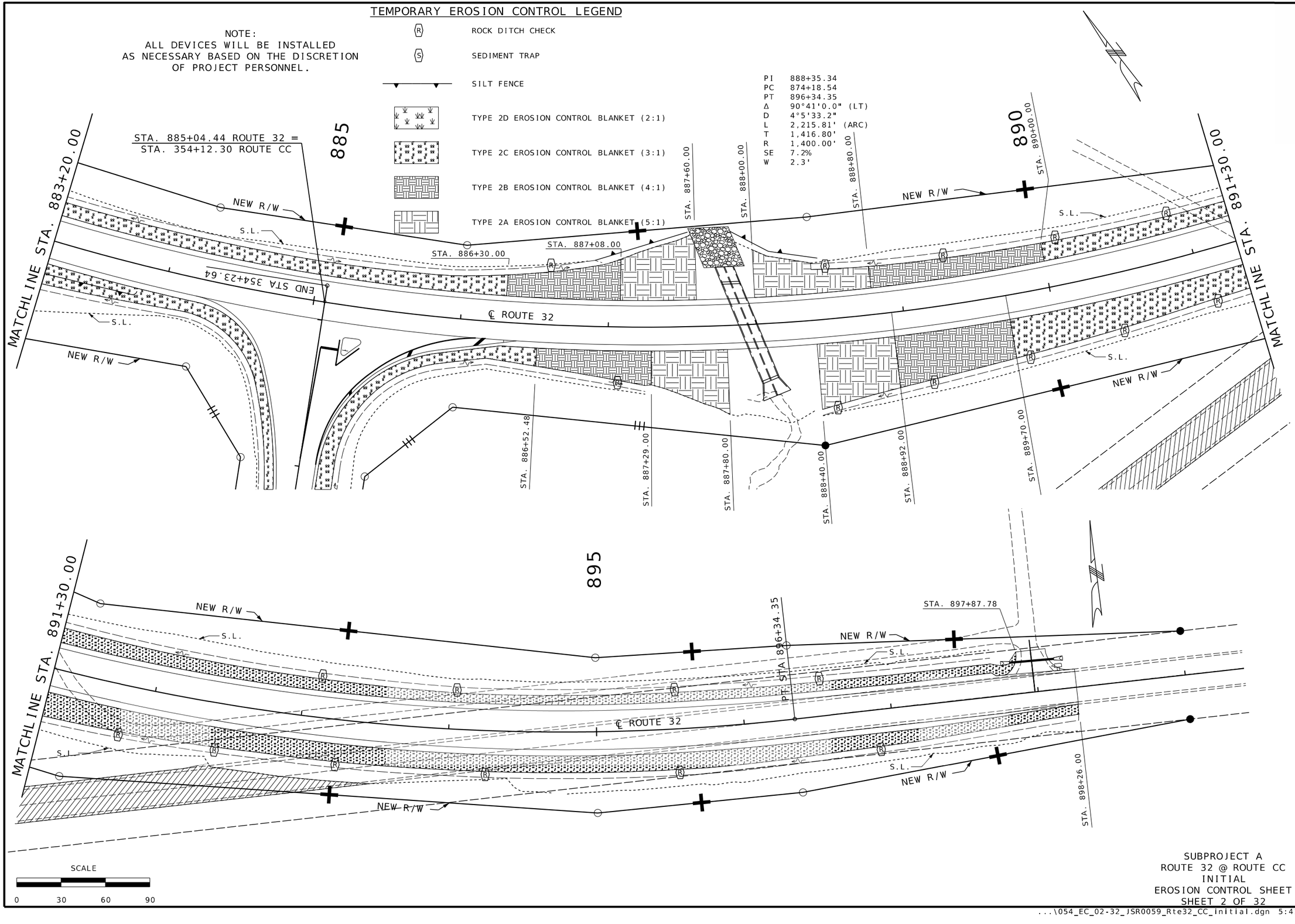
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.

TEMPORARY EROSION CONTROL LEGEND

NOTE:
ALL DEVICES WILL BE INSTALLED AS NECESSARY BASED ON THE DISCRETION OF PROJECT PERSONNEL.

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

PI	888+35.34
PC	874+18.54
PT	896+34.35
Δ	90°41'0.0" (LT)
D	4°5'33.2"
L	2,215.81' (ARC)
T	1,416.80'
R	1,400.00'
SE	7.2%
W	2.3'



SCALE
0 30 60 90

SUBPROJECT A
ROUTE 32 @ ROUTE CC
INITIAL
EROSION CONTROL SHEET
SHEET 2 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/20/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	54
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

START STA 341+33.75

STA. 342+46.00

STA. 342+76.00

STA. 343+21.00

STA. 344+63.19

STA. 344+87.97

STA. 345+36.93

345

350

STA. 885+07.44 ROUTE 32 =
STA. 354+12.30 ROUTE CC

PI 348+10.59
PC 345+36.93
PT 350+62.18
Δ 39°42'9.9" (LT)
D 7°33'31.7"
L 525.25' (ARC)
T 273.66'
R 758.00'

STA 350+62.18

STA 345+36.93

N86°38'16"E

N86°38'16"E

S.L.

S.L.

ROUTE CC

NEW R/W

NEW R/W

NEW R/W

NEW R/W

NEW R/W

NEW R/W

S.L.

S.L.

S.L.

S.L.

S24°59'20"E

PC STA 5+16.18

PT STA 6+31.02

STA. 347+96.43

C.R. 8355

STA. 831+.02 LT. & RT.
END EROSION CONTROL BLANKET

N46°56'06"E

N46°56'06"E

STA. 886+52.48

STA. 887+29.00

STA. 887+80.00

STA. 888+40.00

STA. 888+92.00

END STA 4+23+54.66

SCALE

0 50 100 150

SUBPROJECT A
RTE CC @ RTE 32
INITIAL
EROSION CONTROL SHEET
SHEET 3 OF 32

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	55

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

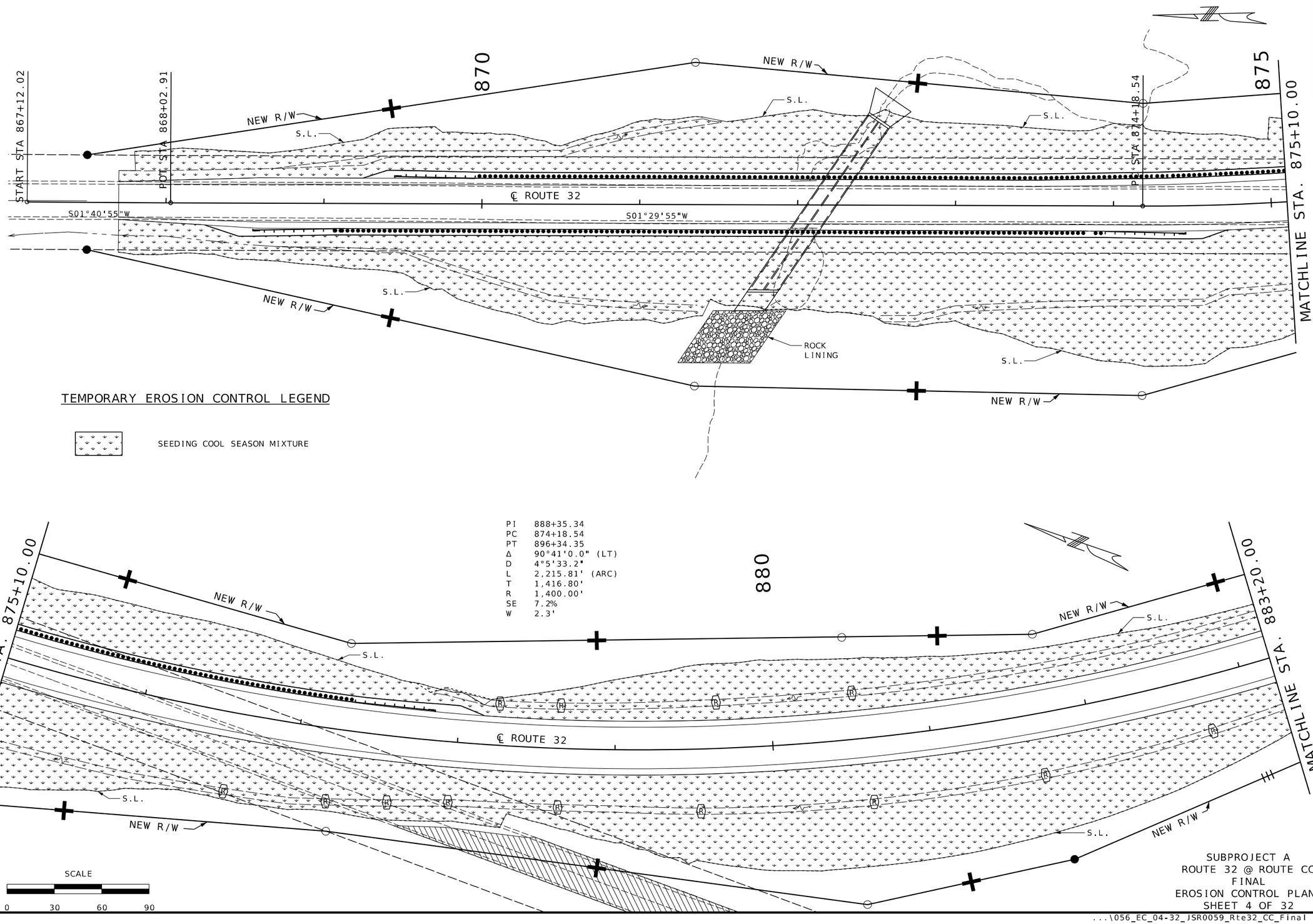
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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SUBPROJECT A
ROUTE 32 @ ROUTE CC
FINAL
EROSION CONTROL PLANS
SHEET 4 OF 32

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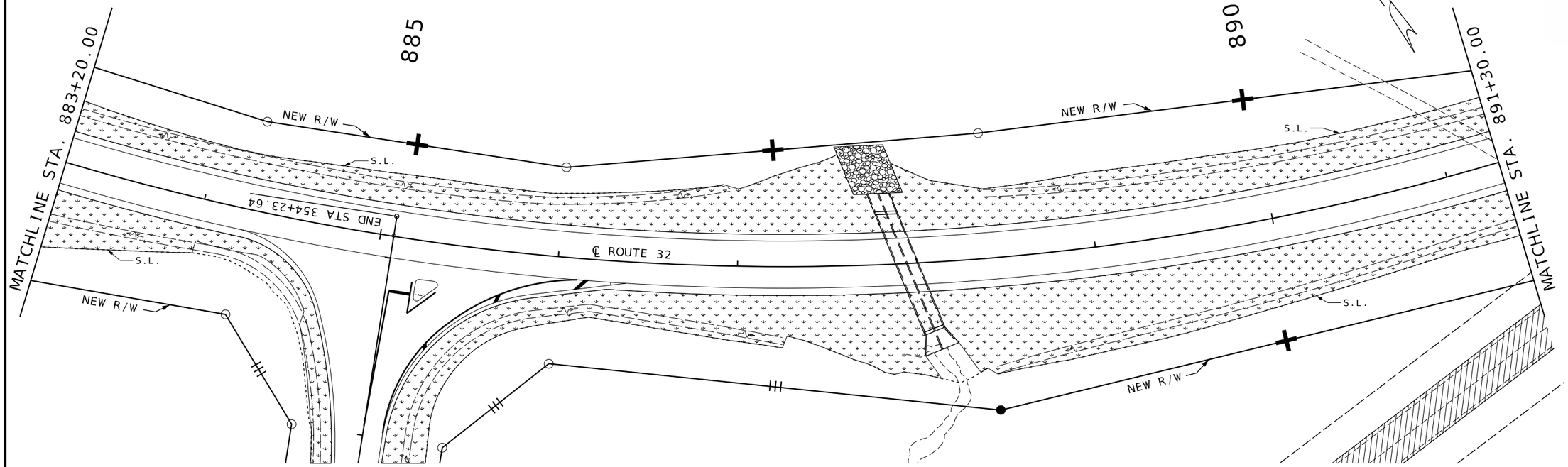
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

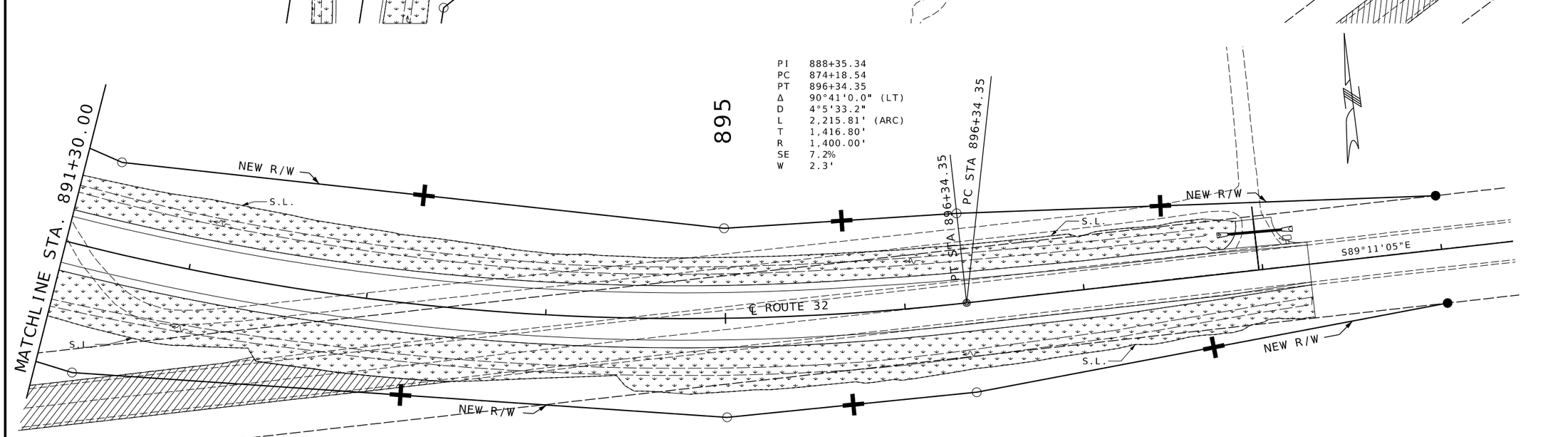
DATE PREPARED	8/20/2026
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	56
COUNTY	CEDAR/POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 30 60 90

SUBPROJECT A
RTE 32 @ RTE CC
FINAL
TRAFFIC CONTROL PLANS
SHEET 5 OF 32

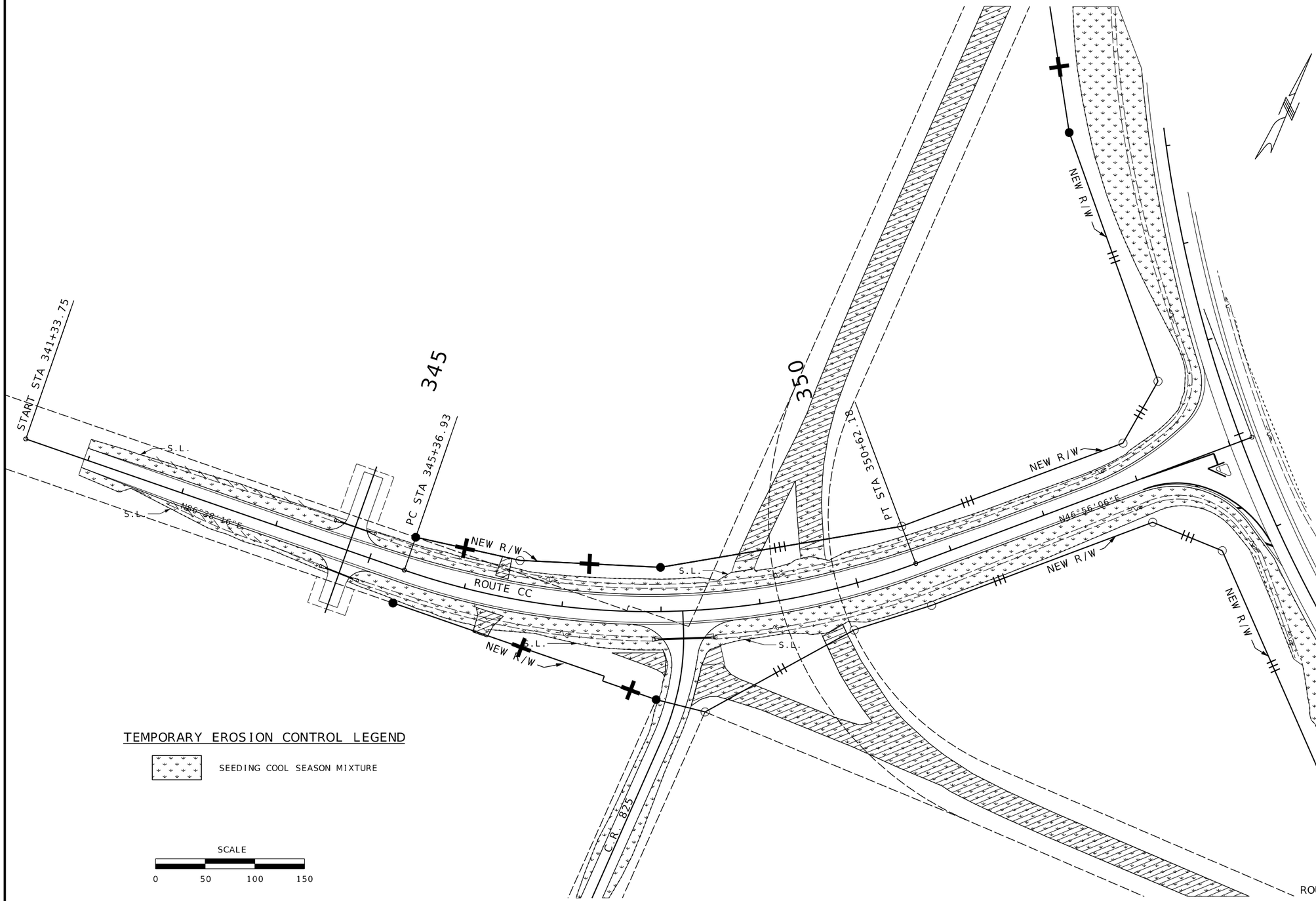
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/20/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	57
COUNTY	
CEDAR / POLK	
JOB NO.	
JSR0059	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 50 100 150

SUBPROJECT A
ROUTE CC @ ROUTE 32
FINAL
TRAFFIC CONTROL PLANS
SHEET 6 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	58

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

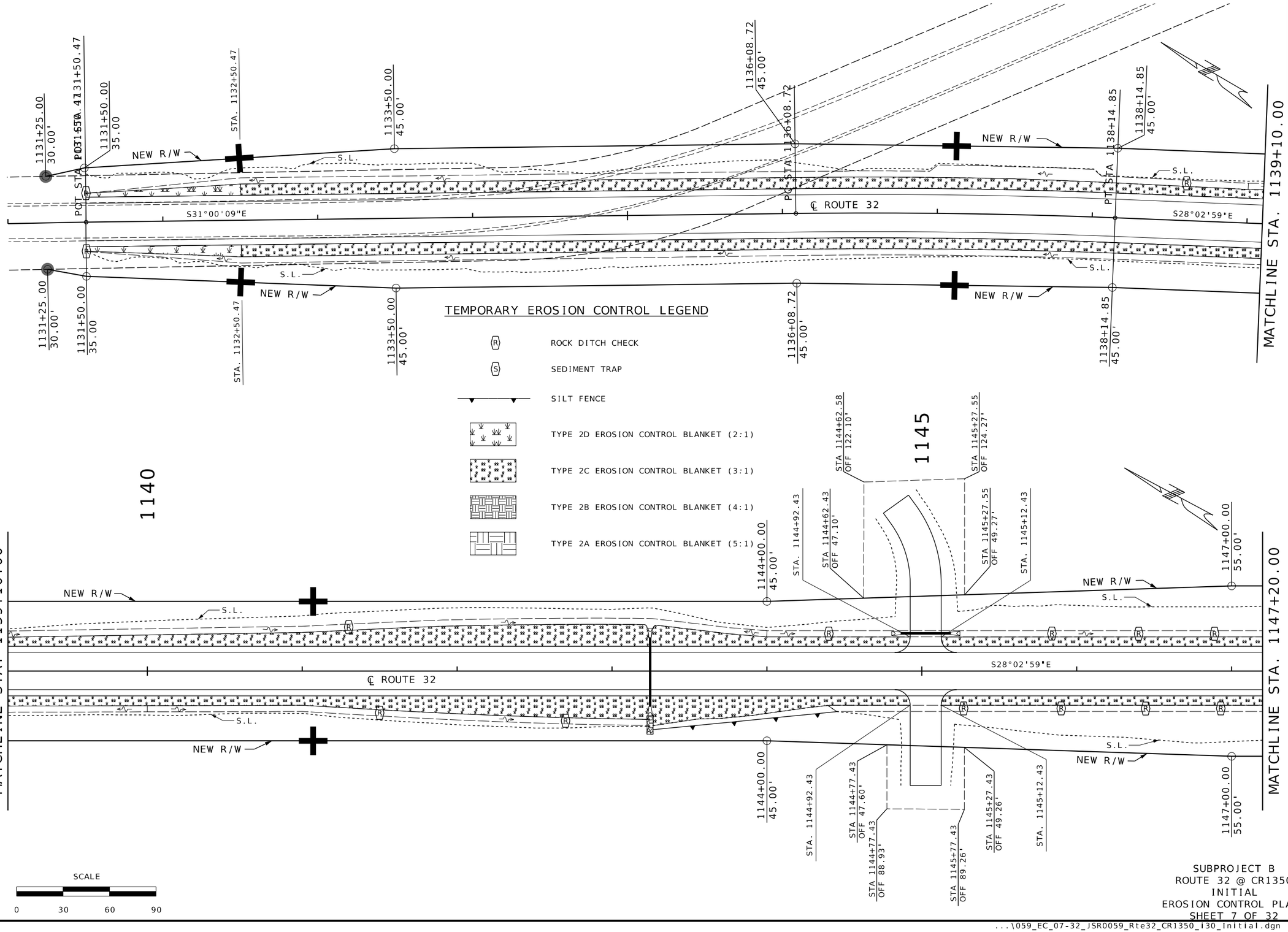
PROJECT NO.
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BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE

0 30 60 90

SUBPROJECT B
ROUTE 32 @ CR1350
INITIAL
EROSION CONTROL PLANS
SHEET 7 OF 32

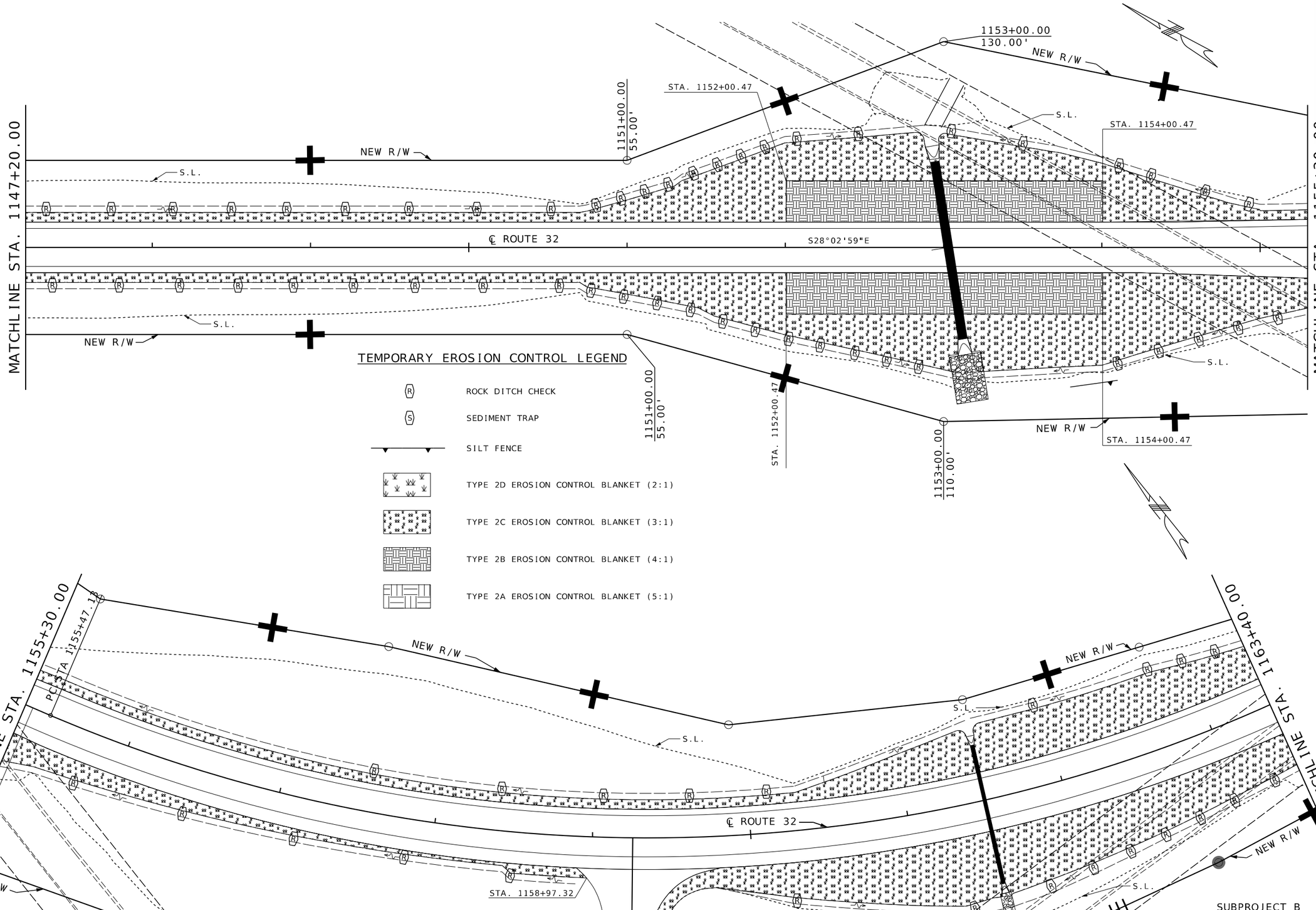
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/20/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	59
COUNTY	
CEDAR / POLK	
JOB NO.	
JSR0059	
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



SUBPROJECT B
ROUTE 32 @ CR1350
INITIAL
EROSION CONTROL PLANS
SHEET 8 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

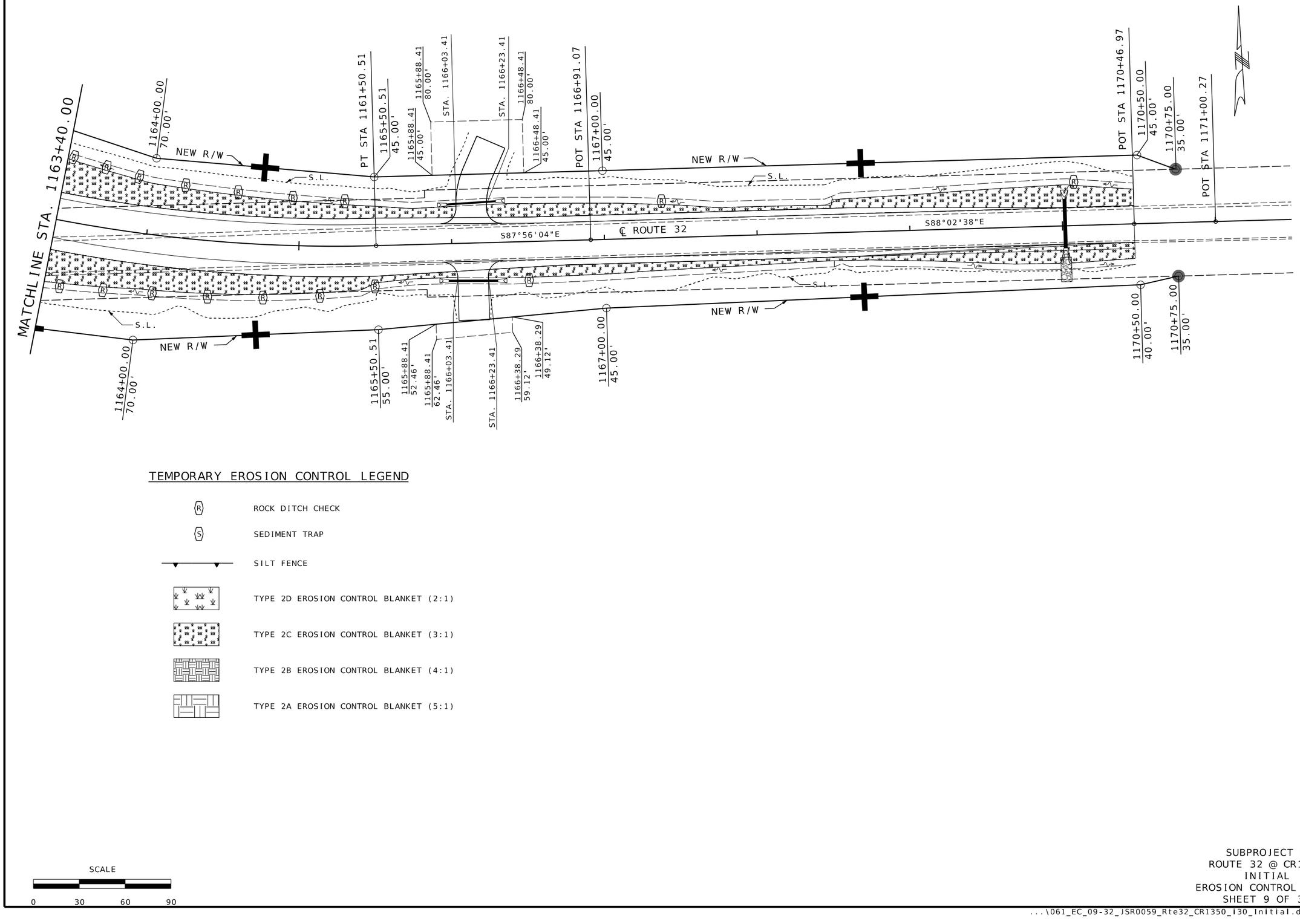
DATE PREPARED	8/20/2026
ROUTE	32
STATE	MO
DISTRICT	SW
SHEET NO.	60
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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COA# 00062
weareown.com
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Engineering beyond.™

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TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE

0 30 60 90

SUBPROJECT B
ROUTE 32 @ CR1350
INITIAL
EROSION CONTROL PLANS
SHEET 9 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/20/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	61
COUNTY	
CEDAR / POLK	
JOB NO.	
JSR0059	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	

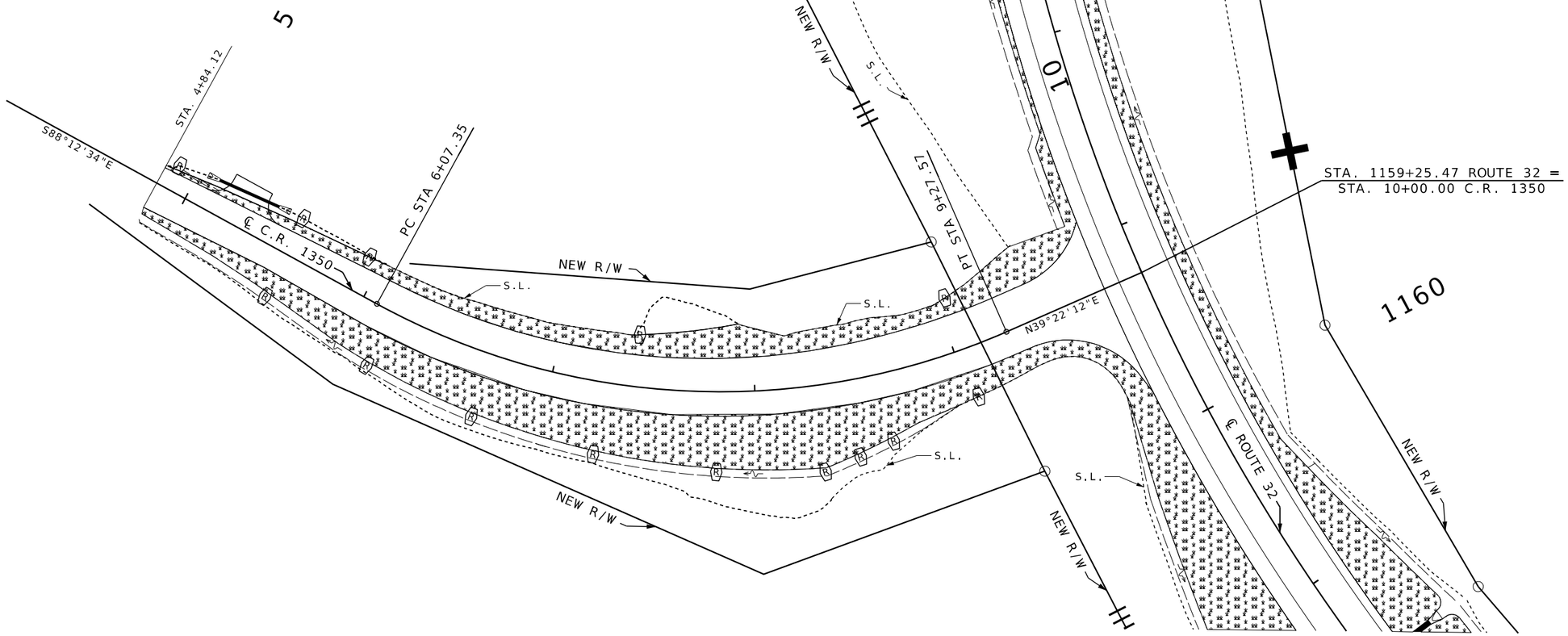
DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)



SCALE

0 30 60 90

SUBPROJECT B
ROUTE 32 @ CR1350
INITIAL
EROSION CONTROL PLANS
SHEET 10 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	62

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

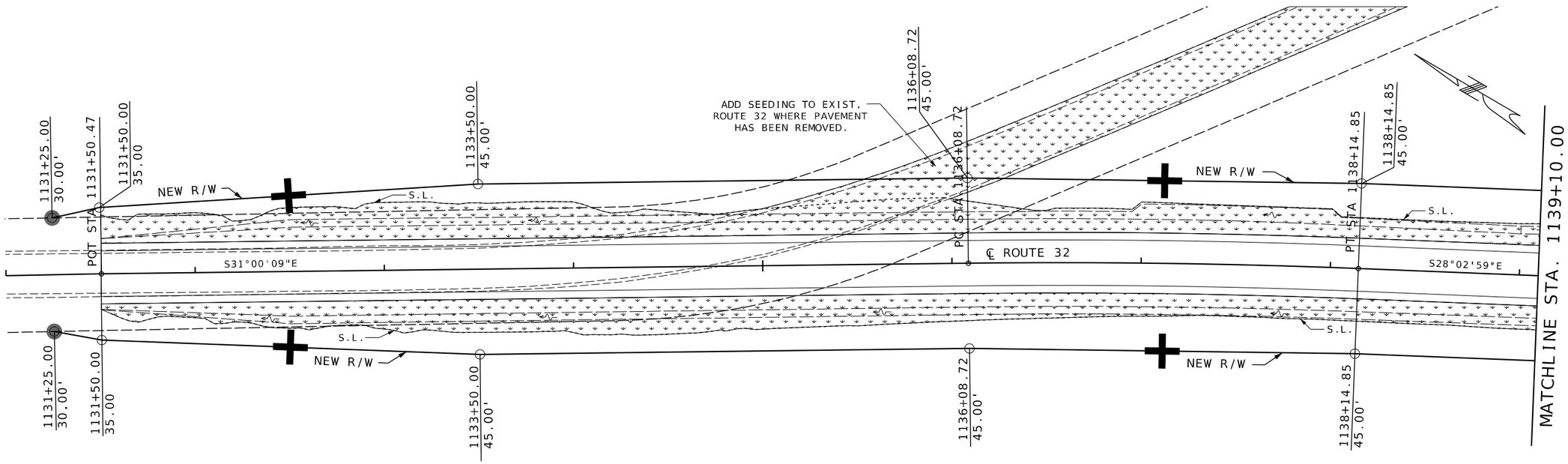
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

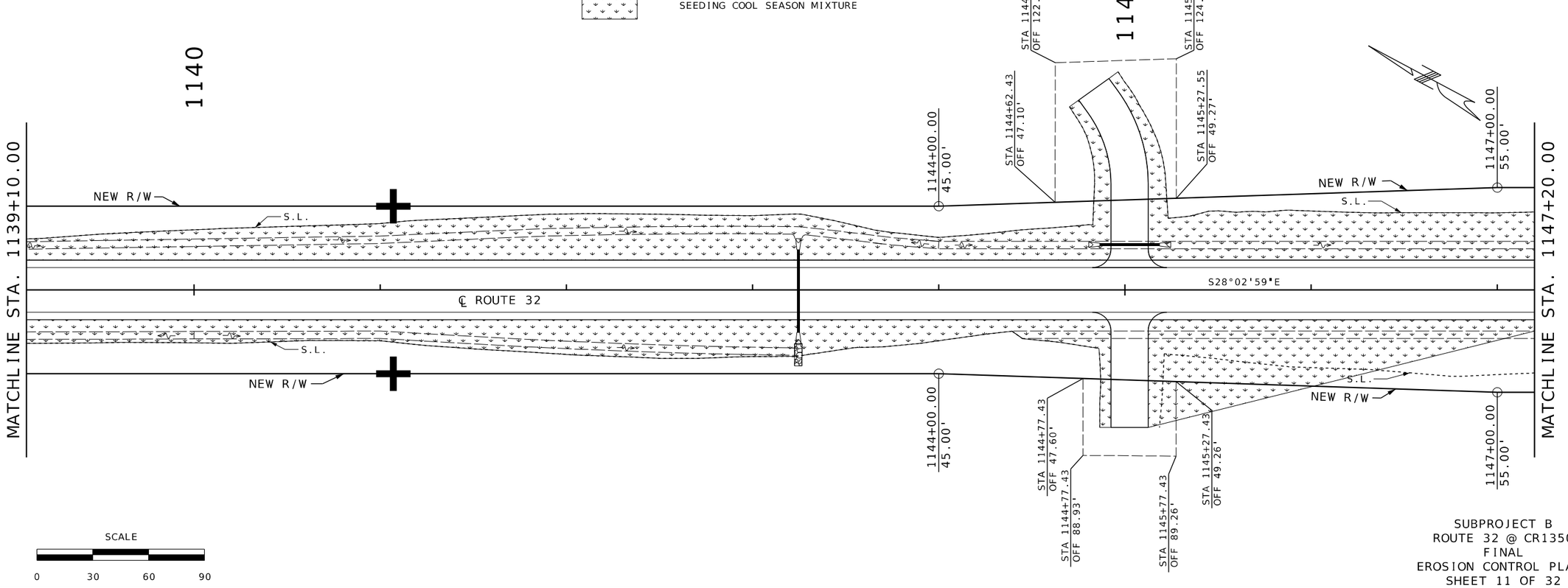
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE



SCALE

0 30 60 90

SUBPROJECT B
ROUTE 32 @ CR1350
FINAL
EROSION CONTROL PLANS
SHEET 11 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/20/2026
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	63
COUNTY	CEDAR/POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

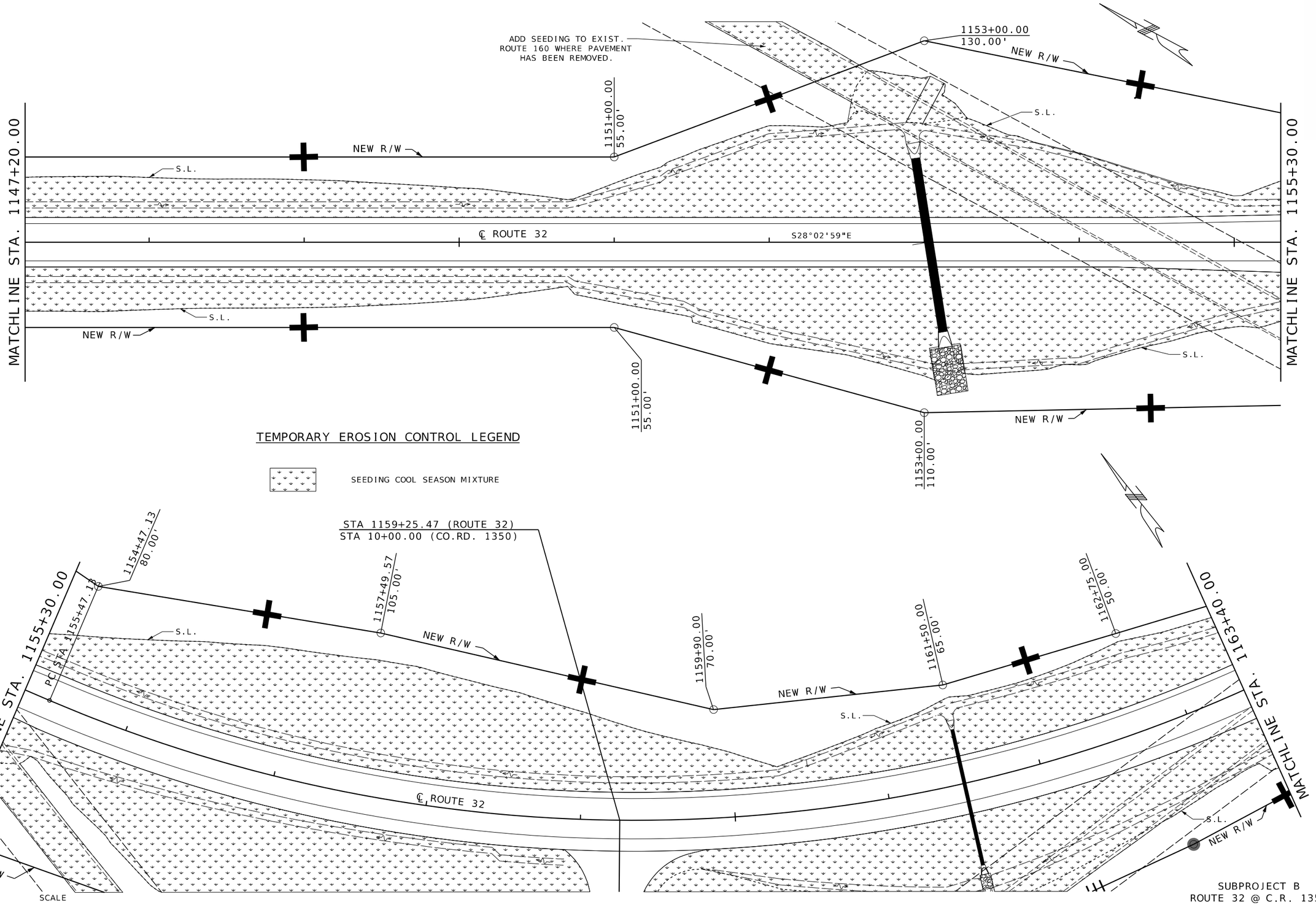
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

OWN

Engineering beyond

...\063_EC_11-32_JSR0059_Rte32_CR1350_i30_Final.dgn 5:42:54 PM 8/20/2026



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SUBPROJECT B
ROUTE 32 @ C.R. 1350
FINAL
EROSION CONTROL PLANS
SHEET 12 OF 32

...\064_EC_12-32_JSR0059_Rte32_CR1350_i30_Final.dgn 5:43:05 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	64

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

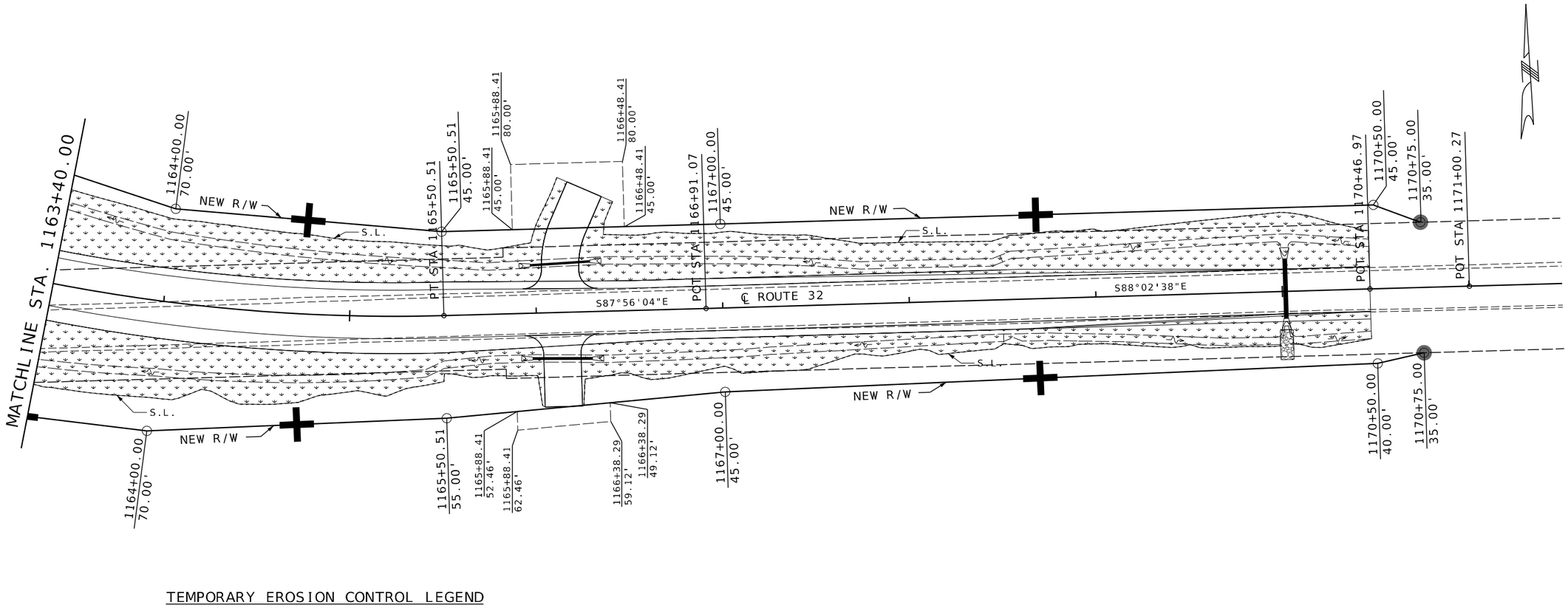
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.™



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 30 60 90

SUBPROJECT B
ROUTE 32 @ CR 1350
FINAL
EROSION CONTROL PLANS
SHEET 13 OF 32

...\065_EC_13_32_JSR0059_Rte32_CR1350_i30_Final.dgn 5:43:15 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	65

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

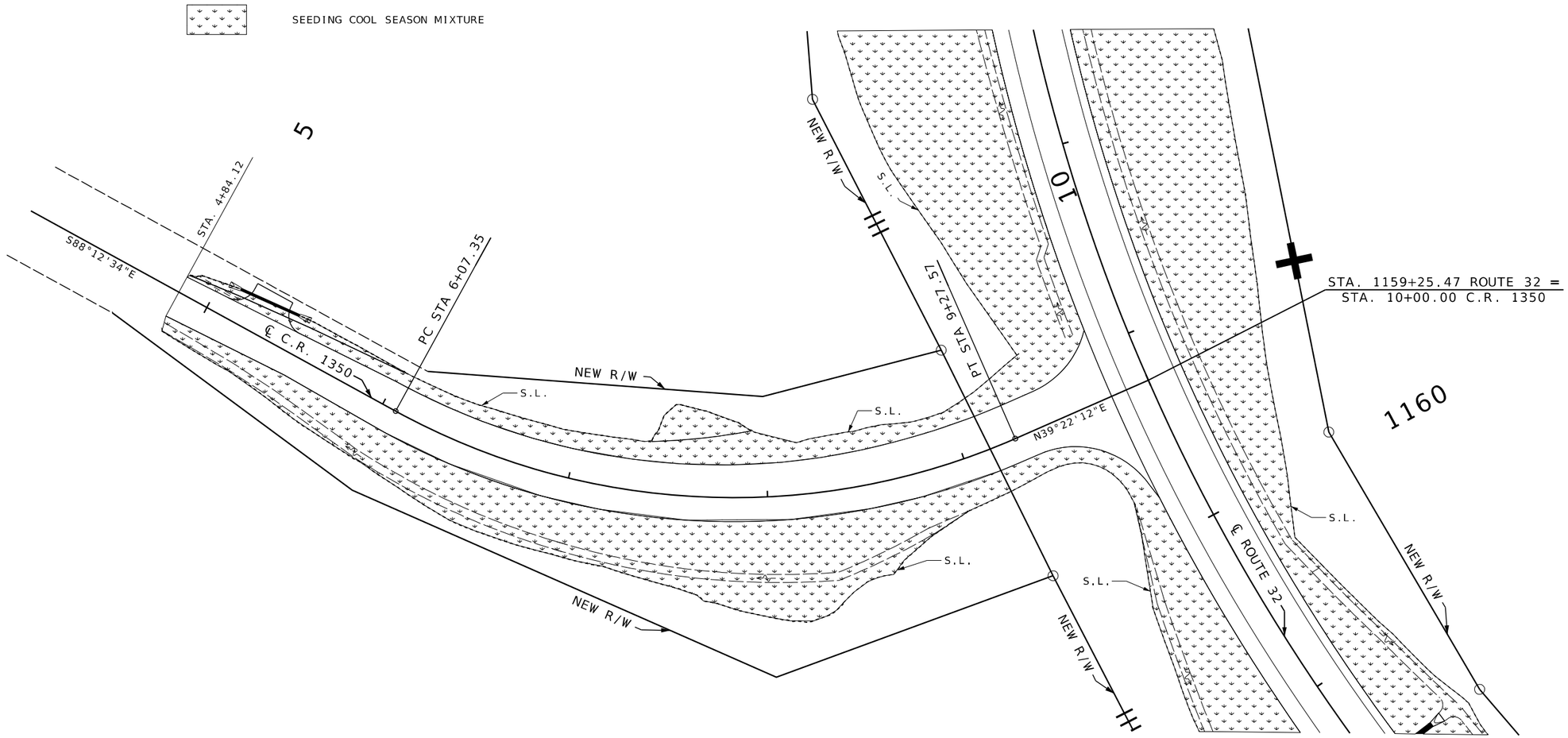
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE



SCALE

0 30 60 90

SUBPROJECT B
ROUTE 32 @ CR1350
FINAL
EROSION CONTROL PLANS
SHEET 14 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	66

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

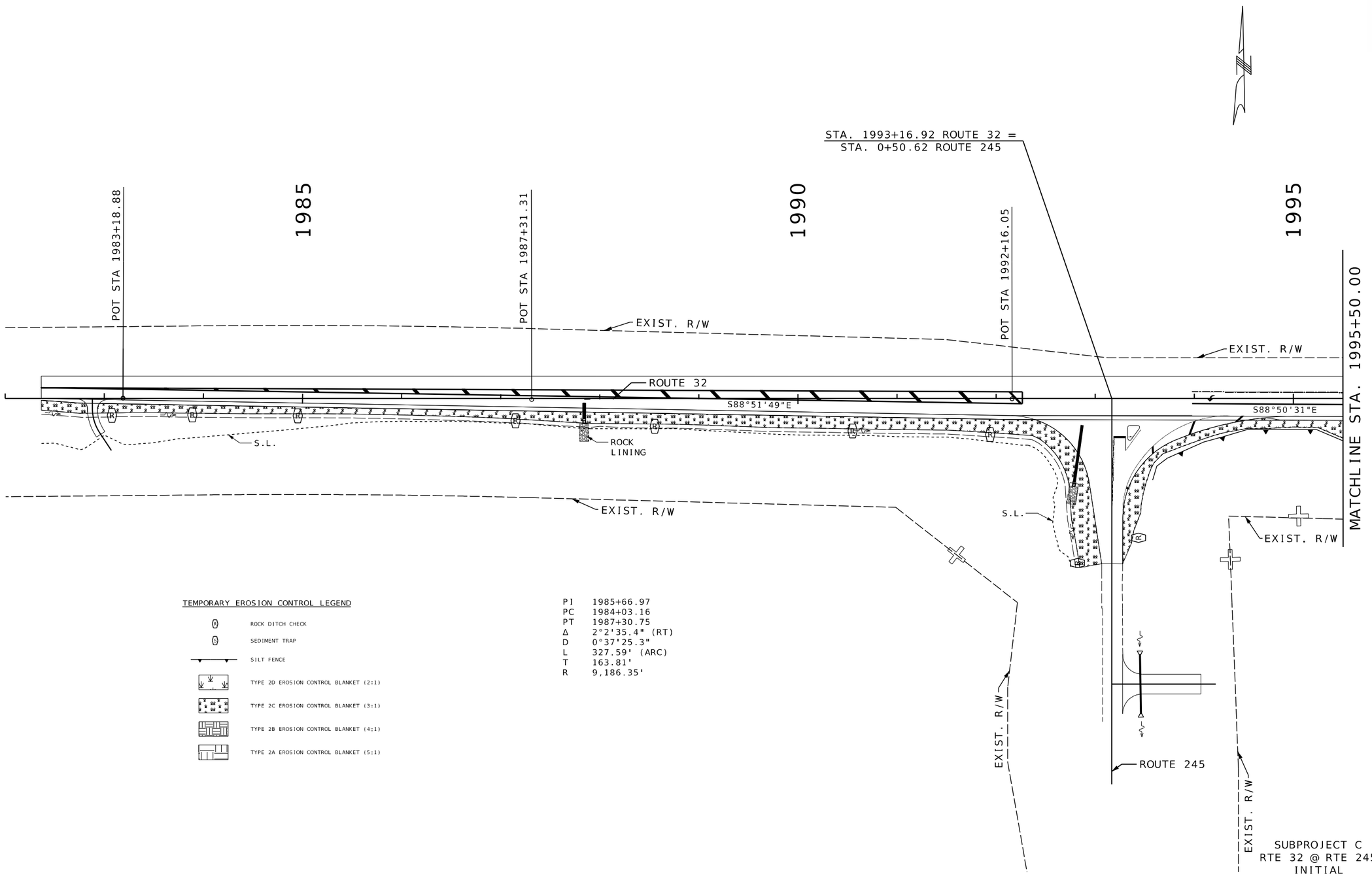
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.™



TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

PI	1985+66.97
PC	1984+03.16
PT	1987+30.75
Δ	2°2'35.4" (RT)
D	0°37'25.3"
L	327.59' (ARC)
T	163.81'
R	9,186.35'

SUBPROJECT C
RTE 32 @ RTE 245
INITIAL
EROSION CONTROL PLANS
SHEET 15 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	67

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

PI 2003+05.68
PC 2001+42.09
PT 2004+69.19
Δ 3°10'25.0" (LT)
D 0°58'12.8"
L 327.10' (ARC)
T 163.59'
R 5,905.40'

2000

2005

JACK EUGENE ASBELL
NO ACQUISITION

MATCHLINE STA. 1995+50.00

POT STA 1996+87.70

POT STA 2005+06.32

EXIST. R/W

ROUTE 32

EXIST. R/W

S.L.

S88°54'29"E

S.L.

S88°32'16"E

EXIST. R/W

EXIST. R/W

CLEMONS RANCH, LLC.
NO ACQUISITION

JACK EUGENE ASBELL
NO ACQUISITION

CLEMONS RANCH, LLC.
NO ACQUISITION

SCALE
0 50 100 150

SUBPROJECT C
RTE 32 @ RTE 245
INITIAL
EROSION CONTROL PLANS
SHEET 16 OF 32

...\068_EC_16-32_JSR0059_Rte32_I50_Initial.dgn 5:43:48 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	68

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.

1985

1990

1995

STA. 1993+16.92 ROUTE 32 =
STA. 0+50.62 ROUTE 245

POT STA 1983+18.88

POT STA 1987+31.31

POT STA 1992+16.05

1995+50.00

℄ ROUTE 32 FOR CONSTRUCTION

S88°51'49"E

S88°50'31"E

S.L.

ROCK
LINING

EXIST ℄ ROUTE 32

MATCHLINE STA. 1995+50.00

S.L.

ROUTE 245

PI 1985+66.97
PC 1984+03.16
PT 1987+30.75
Δ 2°2'35.4" (RT)
D 0°37'25.3"
L 327.59' (ARC)
T 163.81'
R 9,186.35'

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE

0 50 100 150

SUBPROJECT C
RTE 32 @ RTE 123
INITIAL
EROSION CONTROL PLANS
SHEET 17 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	69

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

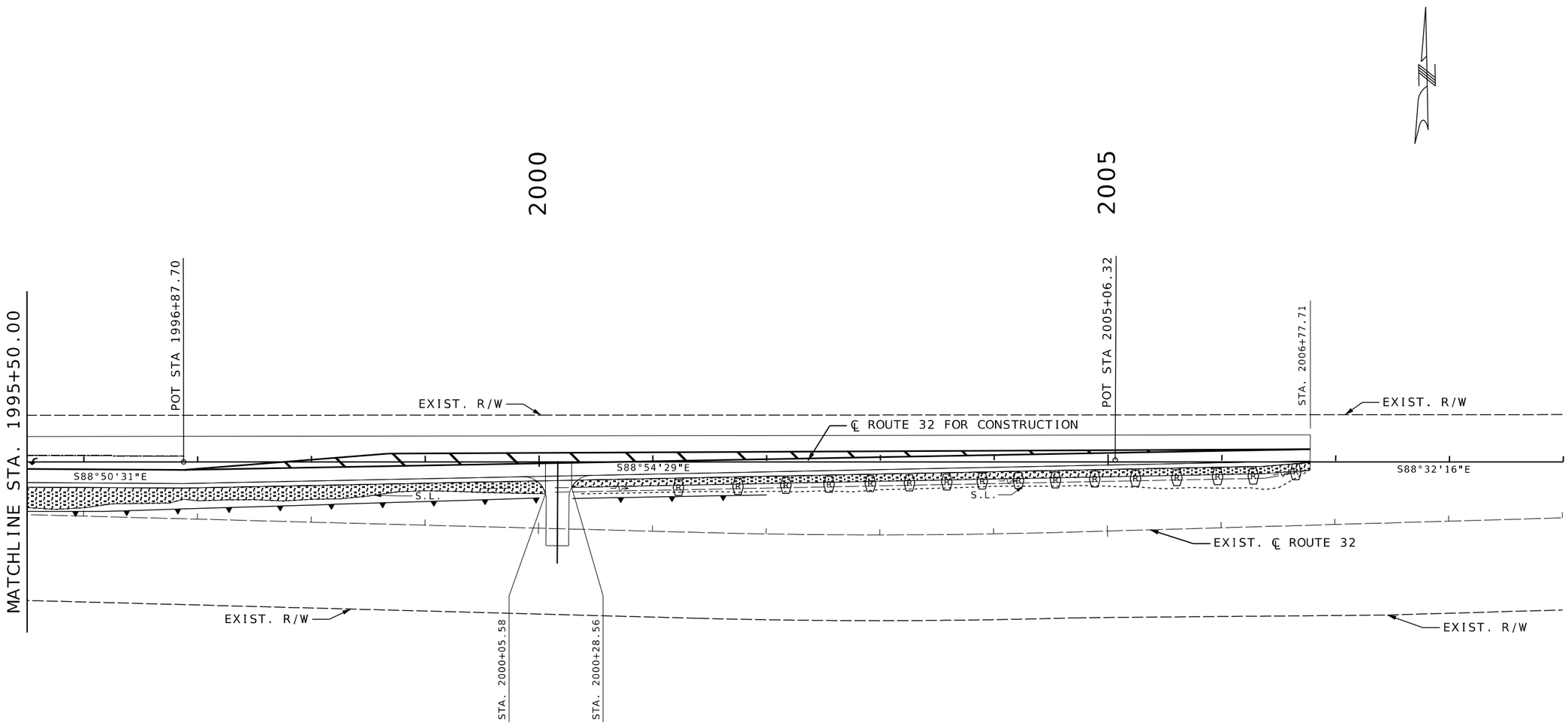
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™



TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE

0 50 100 150

SUBPROJECT C
RTE 32 @ RTE 245
INITIAL
EROSION CONTROL PLANS
SHEET 18 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	70

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

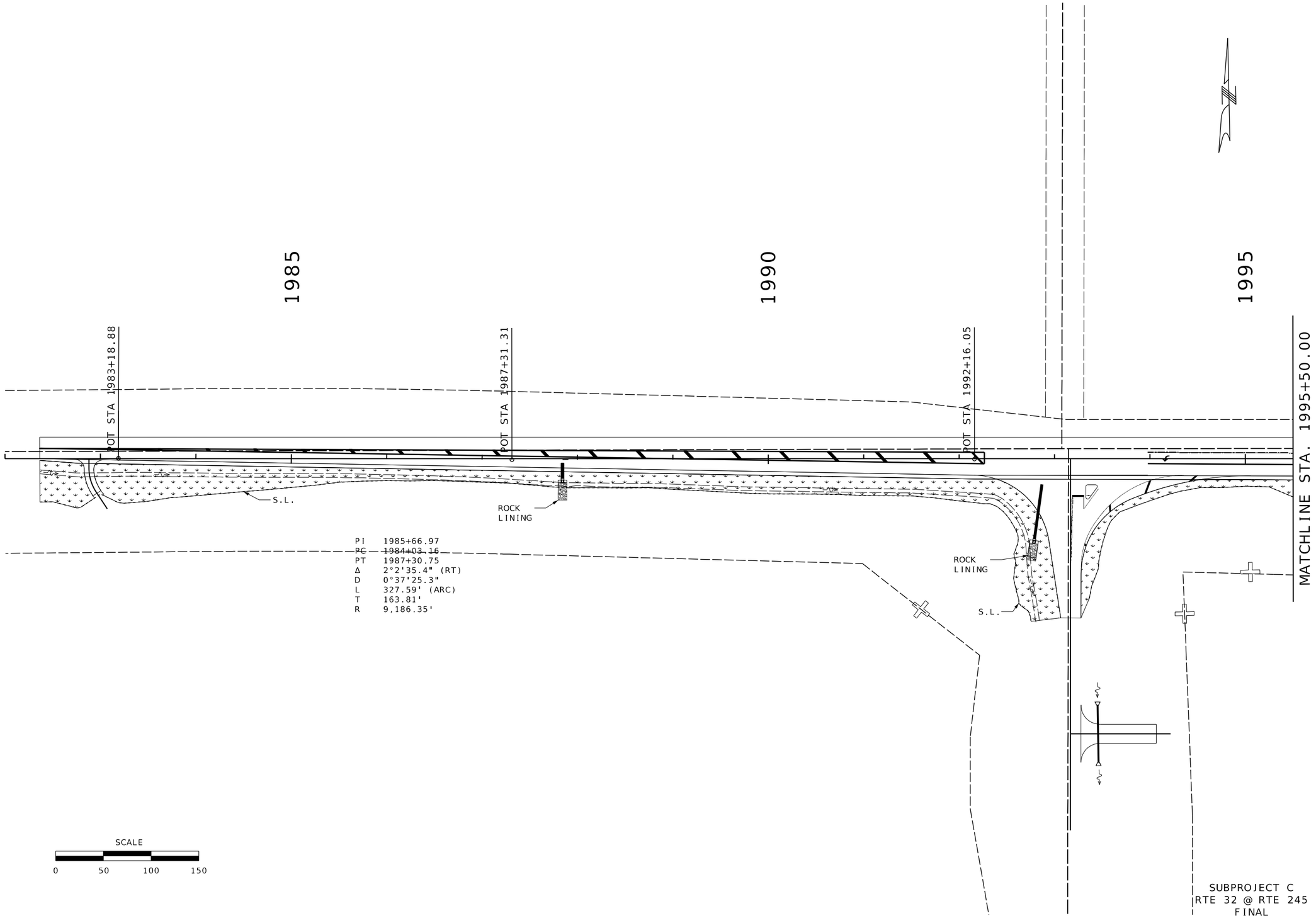
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



SUBPROJECT C
RTE 32 @ RTE 245
FINAL
EROSION CONTROL PLANS
SHEET 19 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	71

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

SW¼ SW¼
SEC 36-T34N-R25W

SW¼ SE¼
SEC 36-T34N-R25W

2000

2005

¼ ¼ SECTION LINE

JACK EUGENE ASBELL

NO ACQUISITION

MATCHLINE STA. 1995+50.00

POT STA 1996+87.70

EL (DESIRABLE)

180' TAPER

EXIST. R/W

℄ ROUTE 32 FOR CONSTRUCTION

PC STA 2001+42.09

PT STA 2004+69.19

POT STA 2005+06.32

EXIST. R/W

SECTION LINE

S.L.

S.L.

EXIST. ℄ ROUTE 32

990' LANE TRANSITION (L=WIDTH*SPEED)

EXIST. R/W

EXIST. R/W

CLEMONS RANCH, LLC.

NO ACQUISITION

℄

JACK EUGENE ASBELL

NO ACQUISITION

¼ ¼ SECTION LINE

CLEMONS RANCH, LLC.

NO ACQUISITION

NW¼ NW¼
SEC 1-T33N-R25W

NW¼ NE¼
SEC 1-T33N-R25W

SCALE

0 50 100 150

SUBPROJECT C
RTE 32 @ RTE 245
FINAL
EROSION CONTROL PLANS
SHEET 20 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	72

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.

130

135

140

STA. 139+33.62 ROUTE 32 =
STA. 0+00.00 ROUTE 123

141+50.00

MATCHLINE STA. 141+50.00

POT STA 139+00.00

℄ ROUTE 32 FOR CONSTRUCTION

S89°20'20"E

S89°38'50"E

S.L.

S.L.

NEW R/W

NEW R/W

EXIST. ℄ ROUTE 32

STA. 128+52.51

STA. 140+65.61

ROUTE 123

S05°03'53"W

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE

0 50 100 150

SUBPROJECT D
RTE 32 @ RTE 123
INITIAL
EROSION CONTROL PLANS
SHEET 21 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	73

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

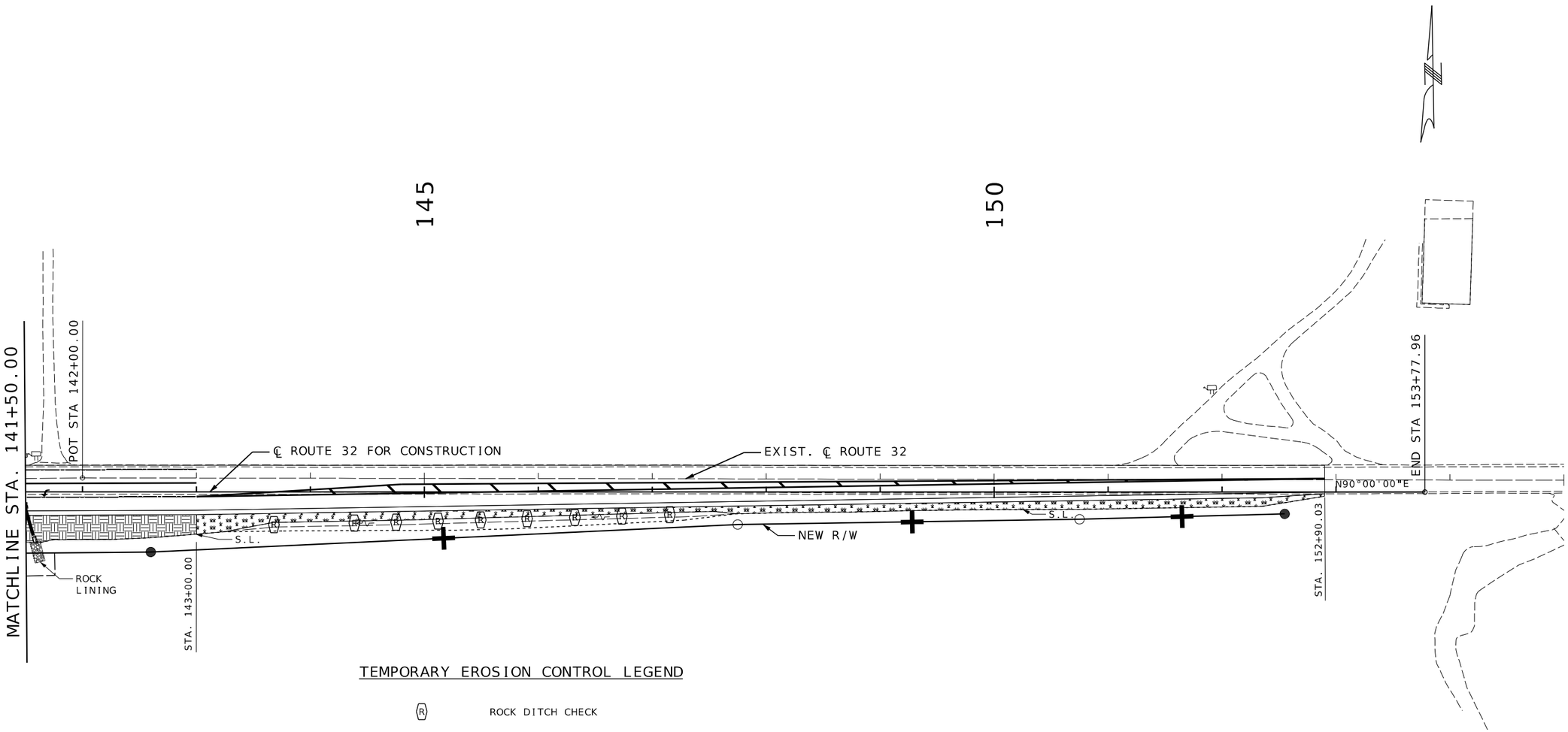
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.™



TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE
0 50 100 150

SUBPROJECT D
RTE 32 @ RTE 123
INITIAL
EROSION CONTROL PLANS
SHEET 22 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	74

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

130

135

140

STA. 139+33.62 ROUTE 32 =
STA. 0+00.00 ROUTE 123

POT STA 139+00.00

141+50.00

MATCHLINE STA. 141+50.00

℄ ROUTE 32 FOR CONSTRUCTION

S89°20'20"E

S89°38'50"E

S.L.

NEW R/W

EXIST. ℄ ROUTE 32

S.L.

NEW R/W

ROUTE 123

S05°03'53"W

TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 50 100 150

SUBPROJECT D
RTE 32 @ RTE 123
FINAL
EROSION CONTROL PLANS
SHEET 23 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	75

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

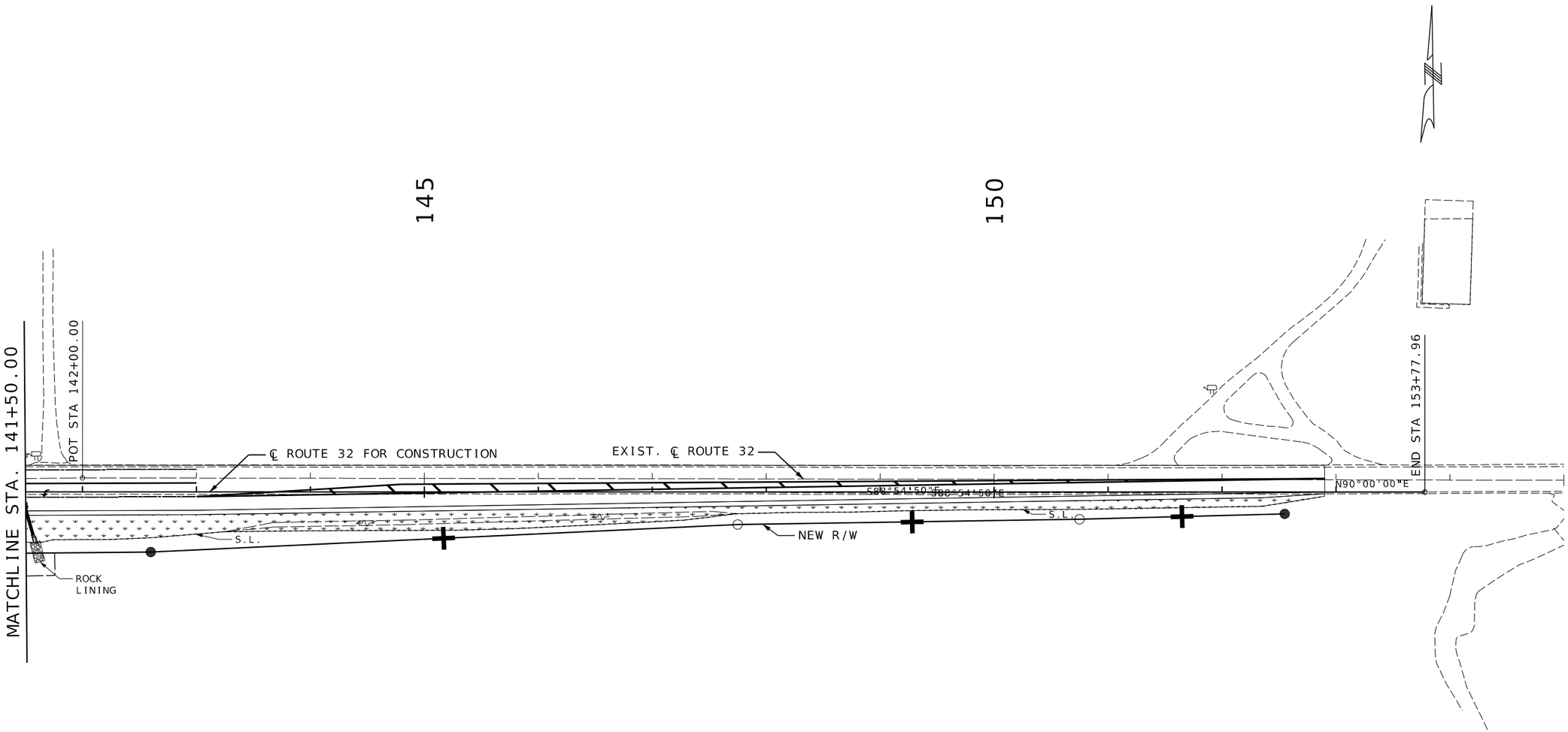
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.™



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 50 100 150

SUBPROJECT D
RTE 32 @ RTE 123
FINAL
EROSION CONTROL PLANS
SHEET 24 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	76

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

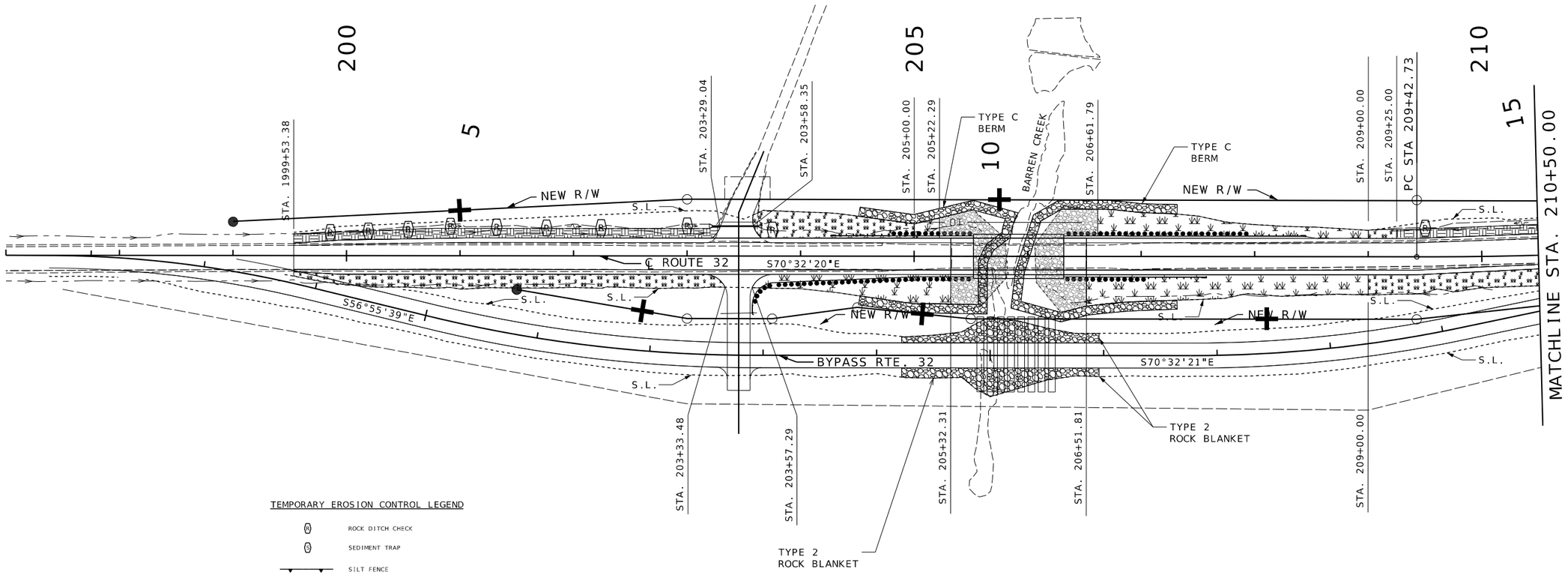
BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

BRIDGE A9327
79.5' SINGLE SPAN
PRESTRESSED CONCRETE
TYPE 4 GIRDER
42" TYPE D BARRIER
STA. 205+52.30 TO STA. 206+31.80,
0° SKEW
D.A. = 6.32 SQ. MI.
Q_{100} = 3,960 CFS



TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE
0 50 100 150

SUBPROJECT E
RTE 32 @ BARREN CREEK
INITIAL
EROSION CONTROL PLANS
SHEET 25 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	77

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

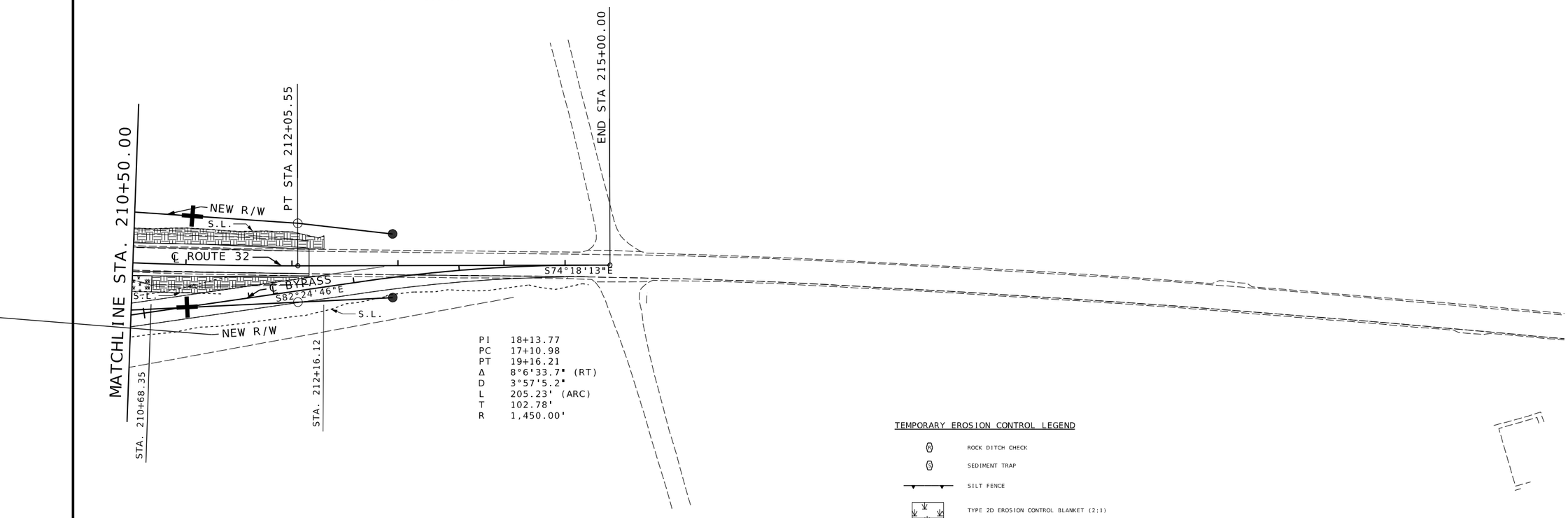
BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

PI 210+74.19
PC 209+42.73
PT 212+05.55
Δ 3°45'52.6" (LT)
D 1°25'56.6"
L 262.82' (ARC)
T 131.46'
R 4,000.00'



PI 18+13.77
PC 17+10.98
PT 19+16.21
Δ 8°6'33.7" (RT)
D 3°57'5.2"
L 205.23' (ARC)
T 102.78'
R 1,450.00'

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE
0 50 100 150

SUBROJECT E
RTE 32 @ BARREN CREEK
FINAL
EROSION CONTROL PLANS
SHEET 26 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	78

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

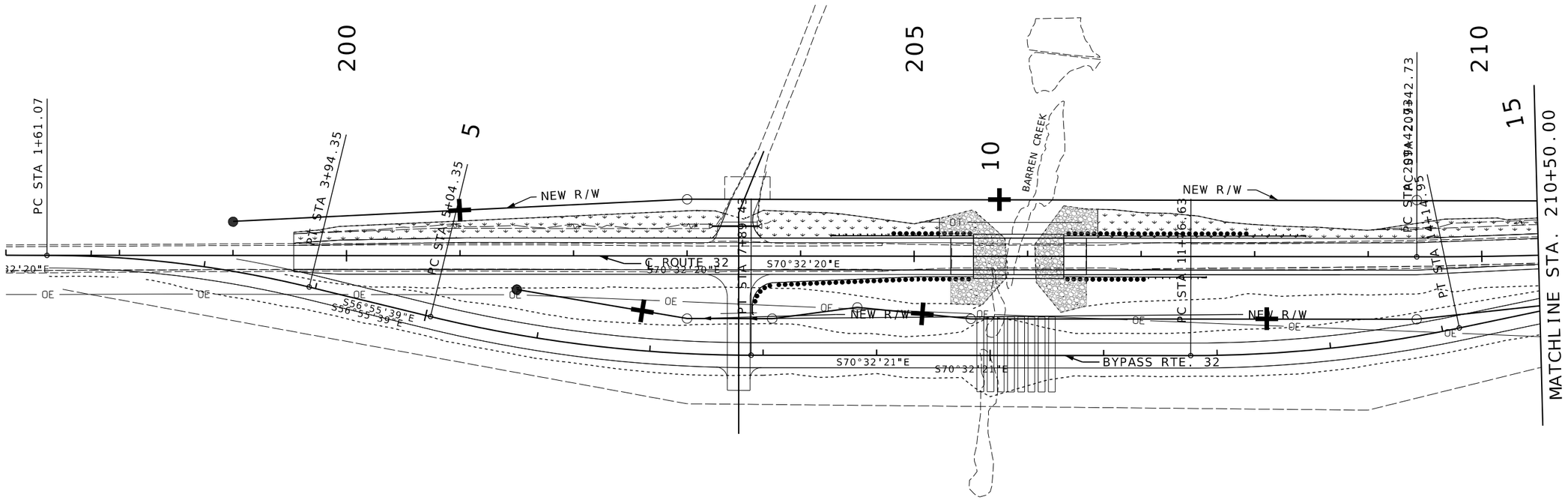
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 50 100 150

SUBPROJECT E
RTE 32 @ BARREN CREEK
FINAL
EROSION CONTROL PLANS
SHEET 27 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	79

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

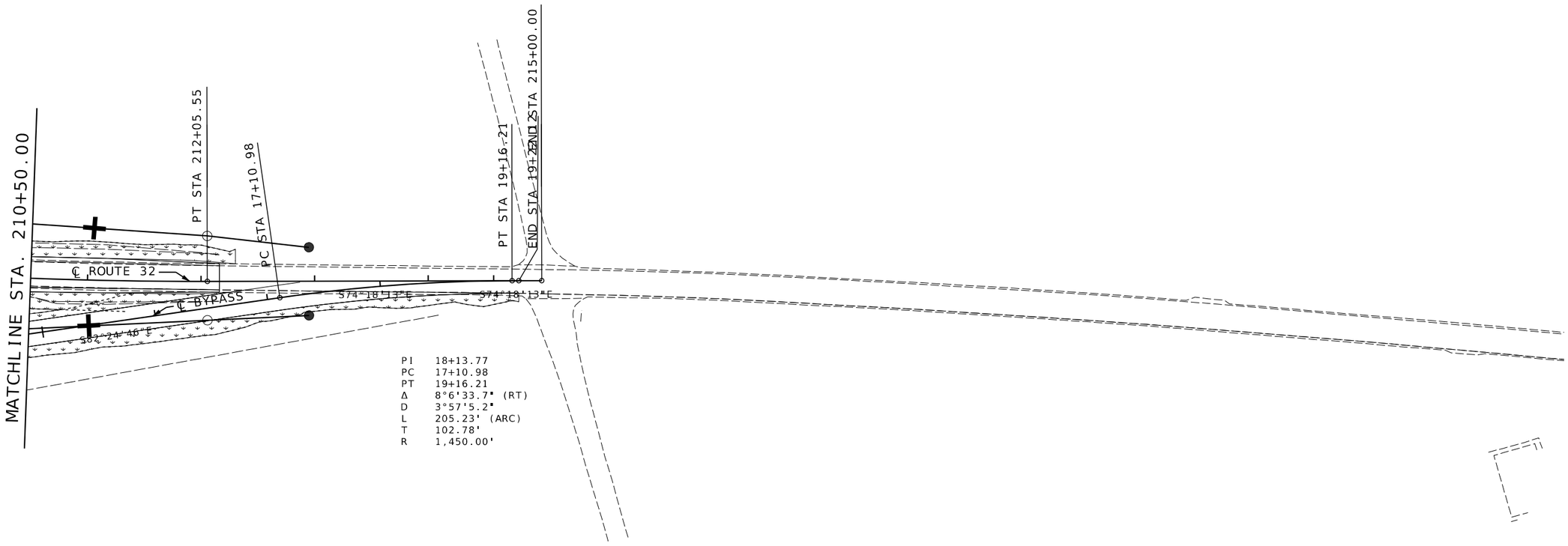
DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

...\079_EC_27-32_JSR0059_Rte32_BarrenCr_Final.dgn 5:45:56 PM 8/20/2026

PI 210+74.19
PC 209+42.73
PT 212+05.55
Δ 3°45'52.6" (LT)
D 1°25'56.6"
L 262.82' (ARC)
T 131.46'
R 4,000.00'



PI 18+13.77
PC 17+10.98
PT 19+16.21
Δ 8°6'33.7" (RT)
D 3°57'5.2"
L 205.23' (ARC)
T 102.78'
R 1,450.00'

TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE
0 50 100 150

SUBROJECT E
RTE 32 @ BARREN CREEK
FINAL
EROSION CONTROL PLANS
SHEET 28 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	80

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

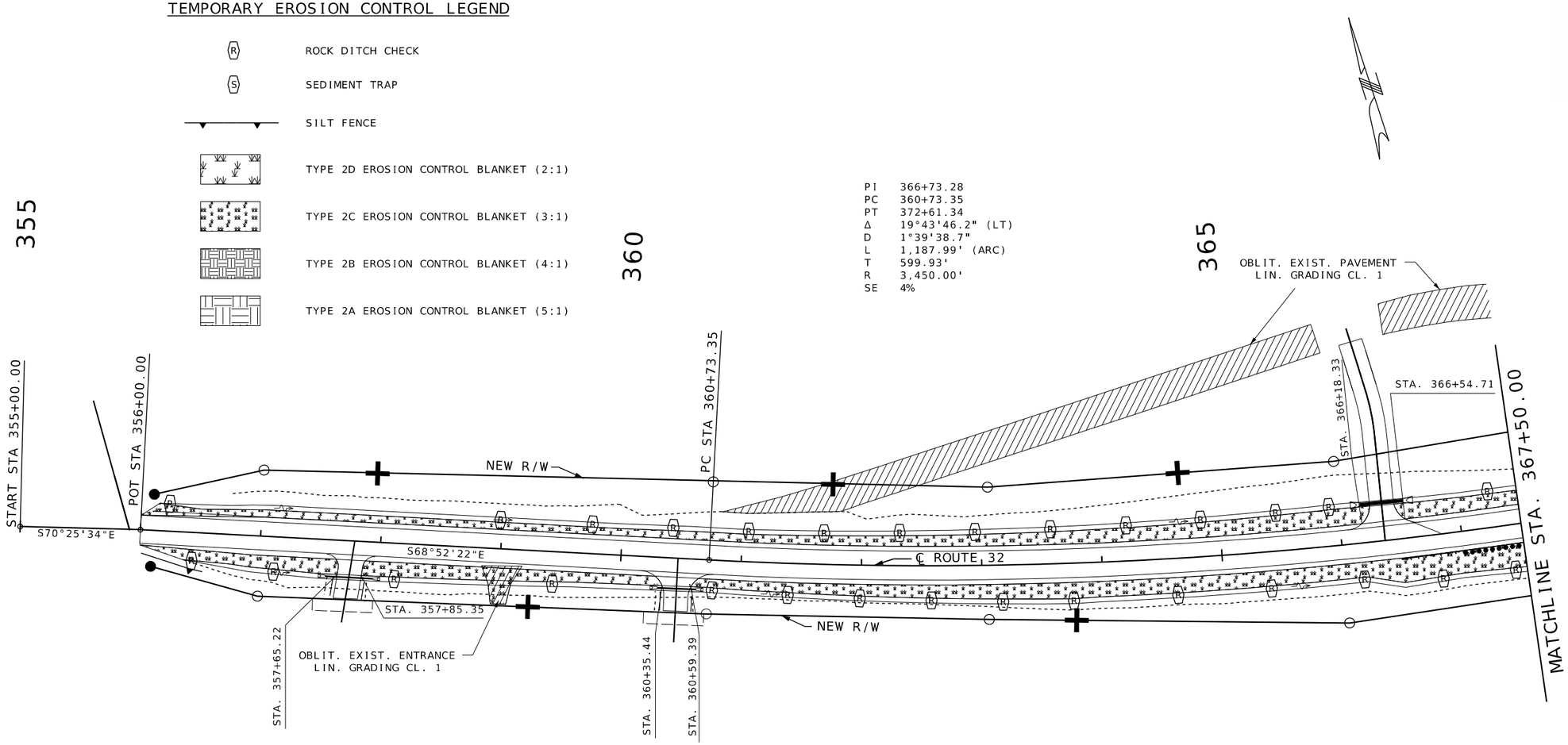
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

PI 366+73.28
PC 360+73.35
PT 372+61.34
Δ 19°43'46.2" (LT)
D 1°39'38.7"
L 1,187.99' (ARC)
T 599.93'
R 3,450.00'
SE 4%



SCALE
0 50 100 150

SUBPROJECT F
RTE 32 @ S-CURVE
INITIAL
EROSION CONTROL PLANS
SHEET 29 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 81
COUNTY CEDAR / POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO.

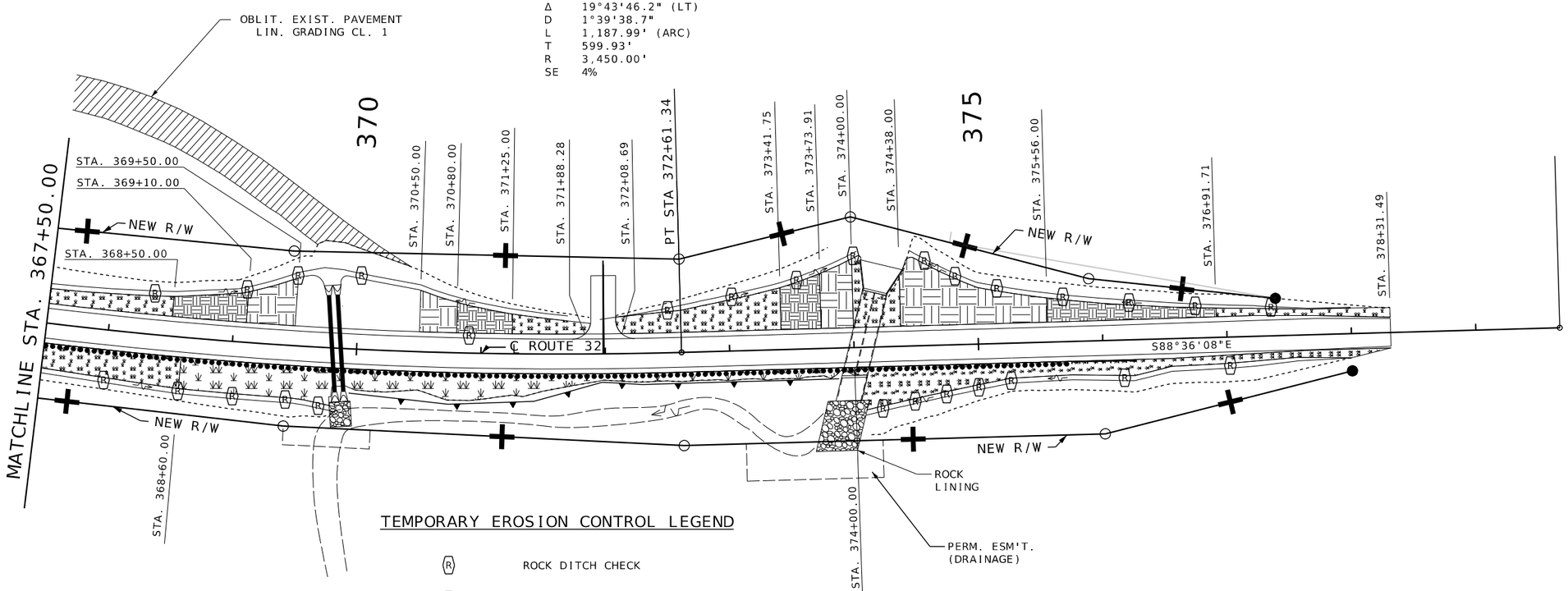
DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

...\081_EC_29-32_JSR0059_Rte32_SCurve_i50_Initial.dgn 5:46:33 PM 8/20/2026

PI 366+73.28
PC 360+73.35
PT 372+61.34
Δ 19°43'46.2" (LT)
D 1°39'38.7"
L 1,187.99' (ARC)
T 599.93'
R 3,450.00'
SE 4%



TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE
- TYPE 2D EROSION CONTROL BLANKET (2:1)
- TYPE 2C EROSION CONTROL BLANKET (3:1)
- TYPE 2B EROSION CONTROL BLANKET (4:1)
- TYPE 2A EROSION CONTROL BLANKET (5:1)

SCALE
0 50 100 150

SUBPROJECT F
RTE 32 @ S-CURVE
INITIAL
EROSION CONTROL PLANS
SHEET 30 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	82

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

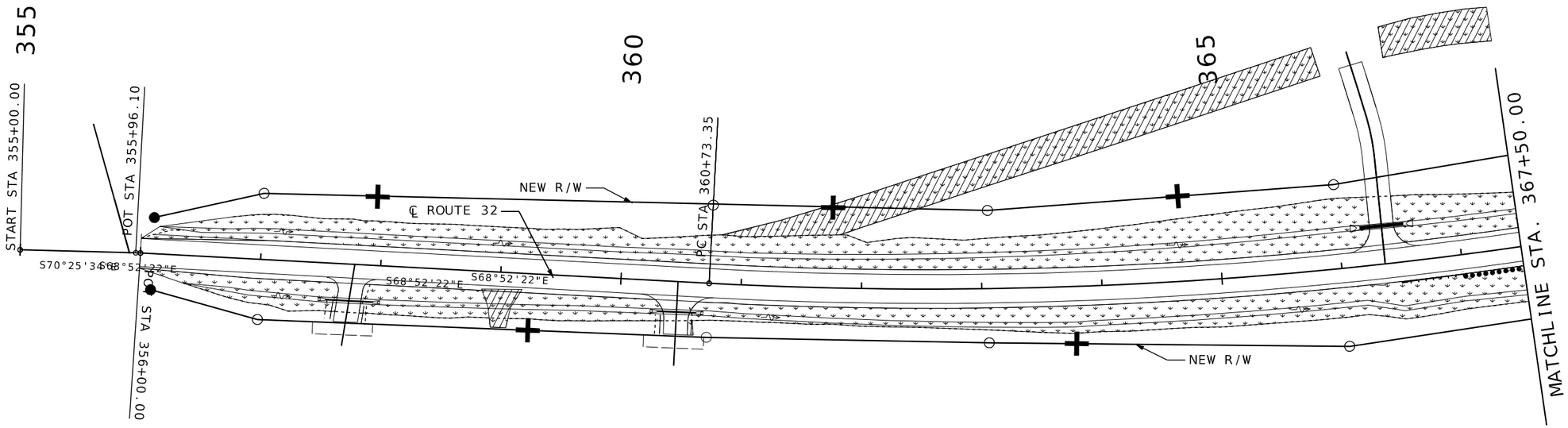
BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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...\082_EC_30-32_JSR0059_Rte32_SCurve_I50_Initial.dgn 5:46:44 PM 8/20/2026



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 50 100 150

SUBPROJECT F
RTE 32 @ S-CURVE
FINAL
EROSION CONTROL PLANS
SHEET 31 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	83

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

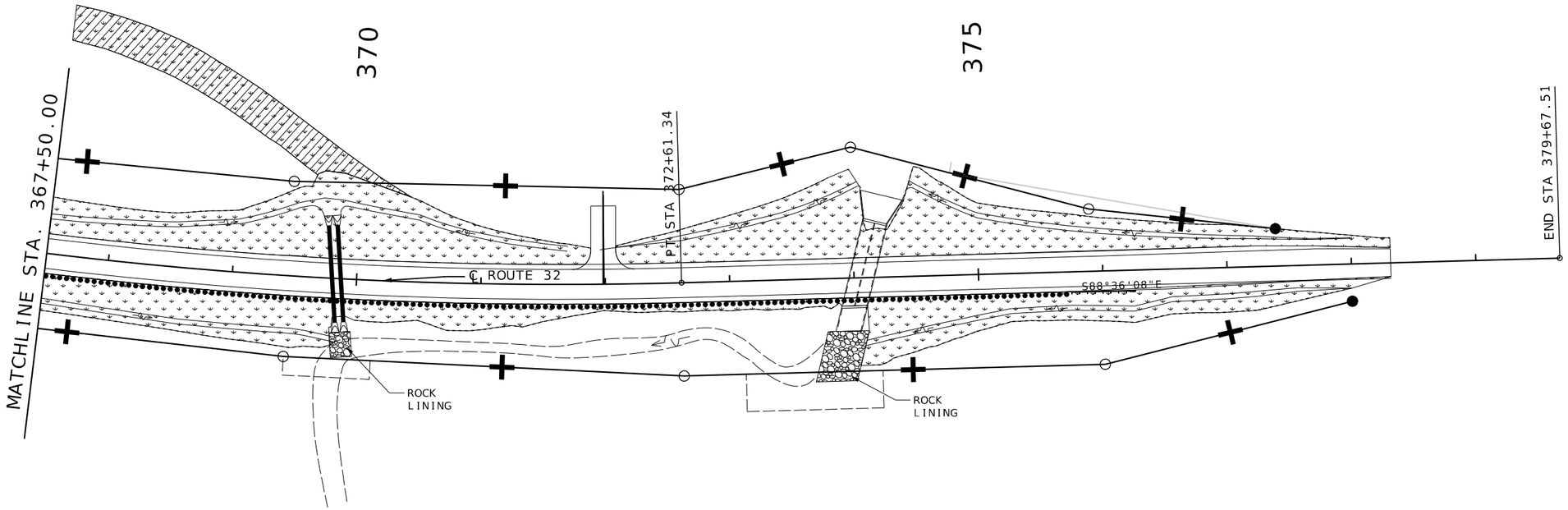
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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Engineering beyond.



TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

SCALE

0 50 100 150

SUBPROJECT F
RTE 32 @ S-CURVE
FINAL
EROSION CONTROL PLANS
SHEET 32 OF 32

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	84

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

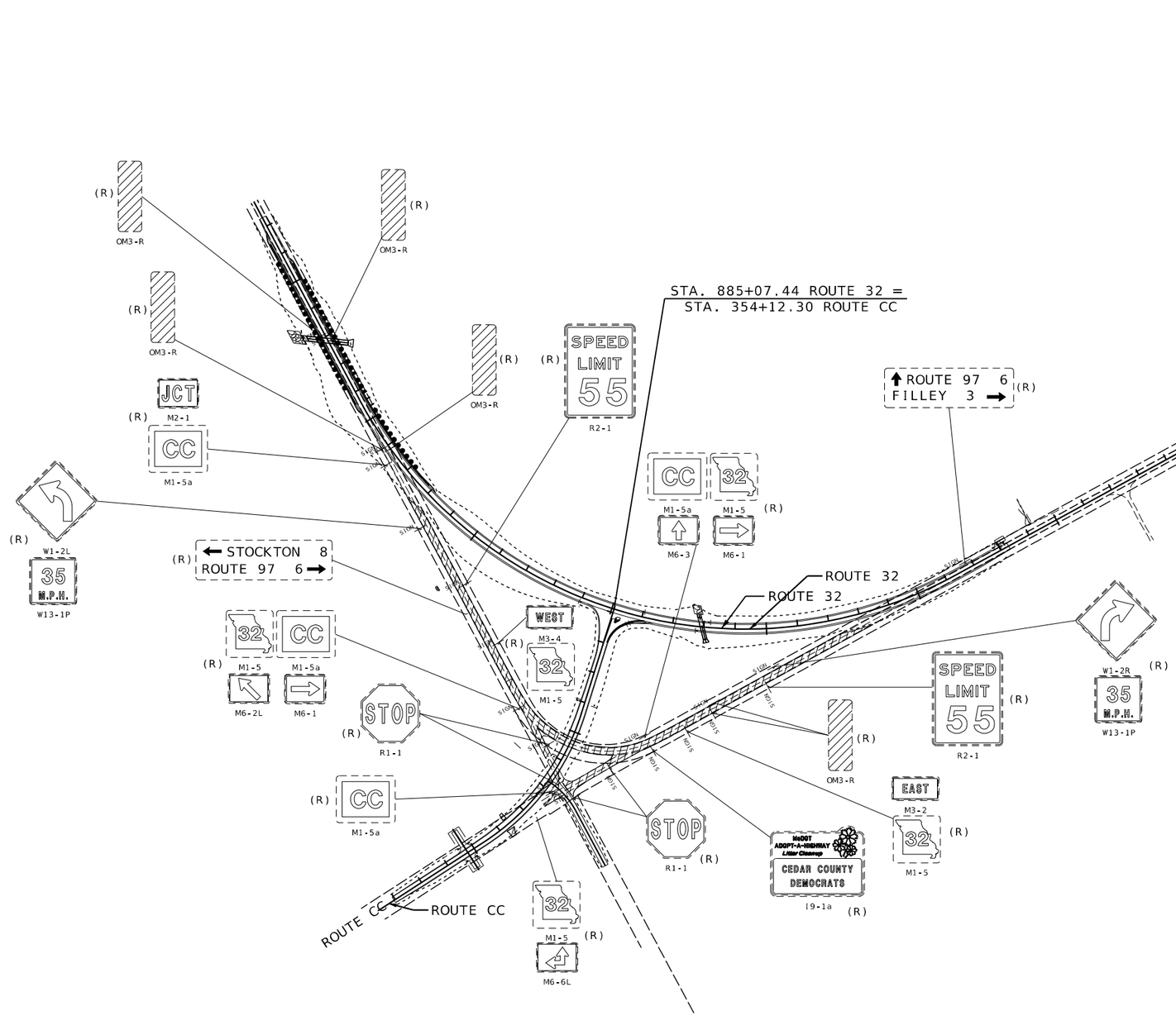
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



SUBPROJECT A
ROUTE 32 @ ROUTE CC
SIGNING SHEET
SHEET 1 OF 17

...\085_SN_01-17_JSR0059_i200_001.dgn 5:47:23 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	85

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

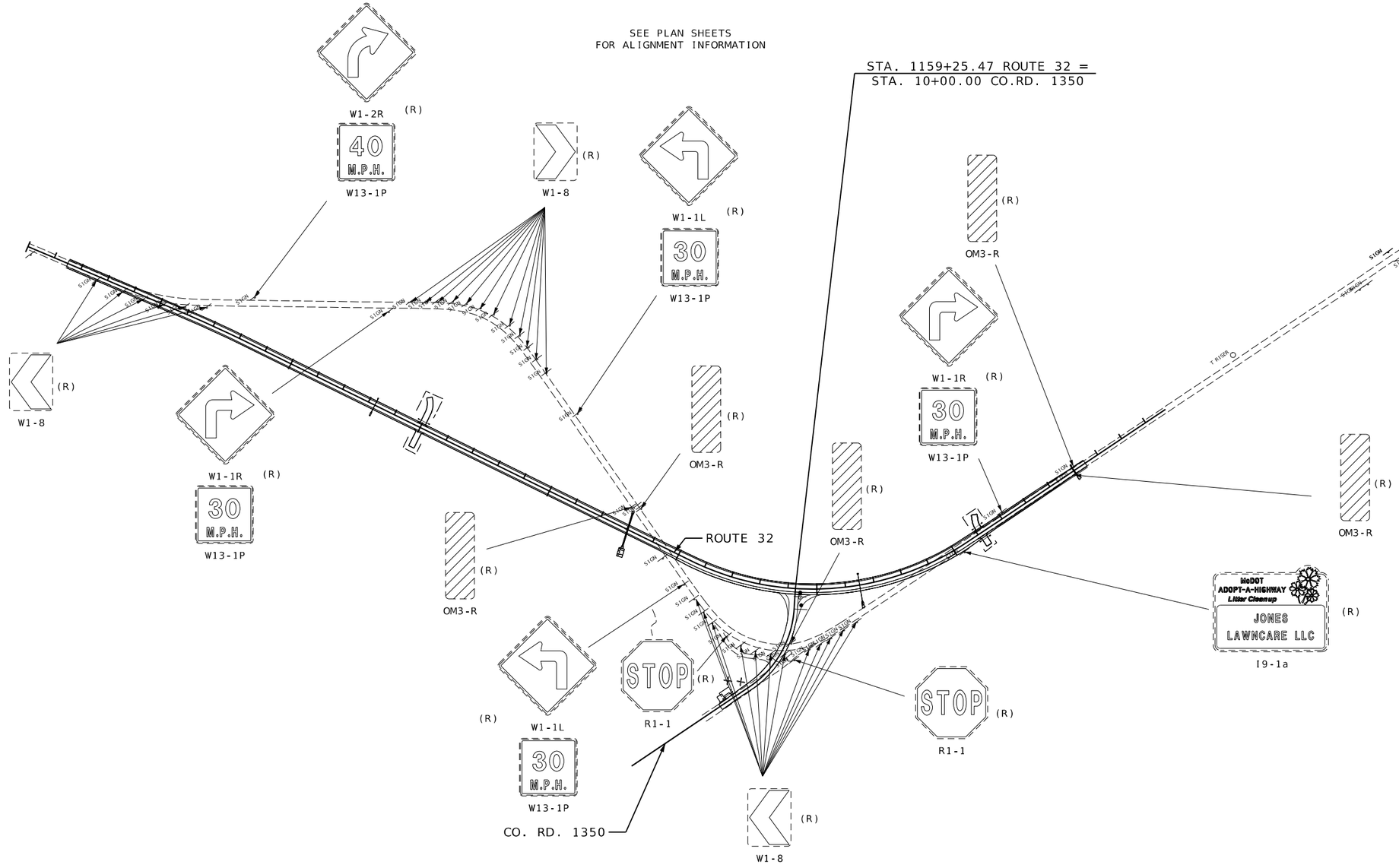
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™



SUBPROJECT B
ROUTE 32 @ CO RD 1350
SIGNING SHEET
SHEET 2 OF 17

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	86

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

SEE PLAN SHEETS
FOR ALIGNMENT INFORMATION

WEST
M3-4

32
M1-5
(R)

STA. 1993+16.92 ROUTE 32 =
STA. 0+00.00 ROUTE 245

W1-7
(R)

STOCKTON 12
BONA 7
(R)

JCT
M2-1

245
M1-5
(R)

SPEED LIMIT 55
R2-1
(R)

245
M1-5

32
M1-5

M6-1

M6-3

(R)

ROUTE 32

ROUTE 32

S88°50'31"E

FAIR PLAY 3
DADEVILLE 12
(R)

32
M1-5

245
M1-5

M6-3

M6-1

(R)

ROUTE 245

S01°14'43"W

STOP
R1-1
(R)

EAST
M3-2

32
M1-5
(R)

SPEED LIMIT 55
R2-1
(R)

SCALE
0 100 200 300 400 500

SUBPROJECT C
ROUTE 32 @ ROUTE 245
SIGNING SHEET
SHEET 3 OF 17

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO

DISTRICT	SHEET NO.
SW	87

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

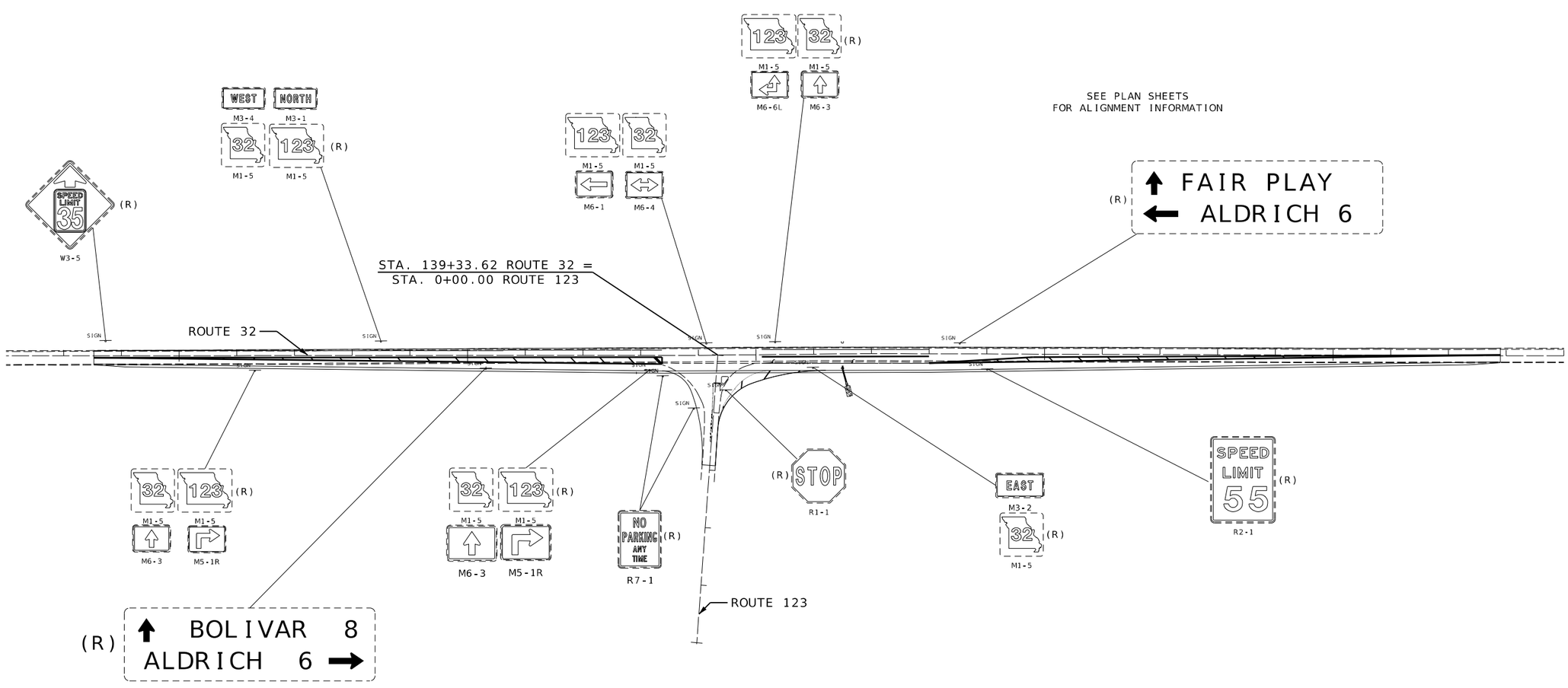
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



SUBPROJECT D
ROUTE 32 @ ROUTE 123
SIGNING SHEET
SHEET 4 OF 17

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	88

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

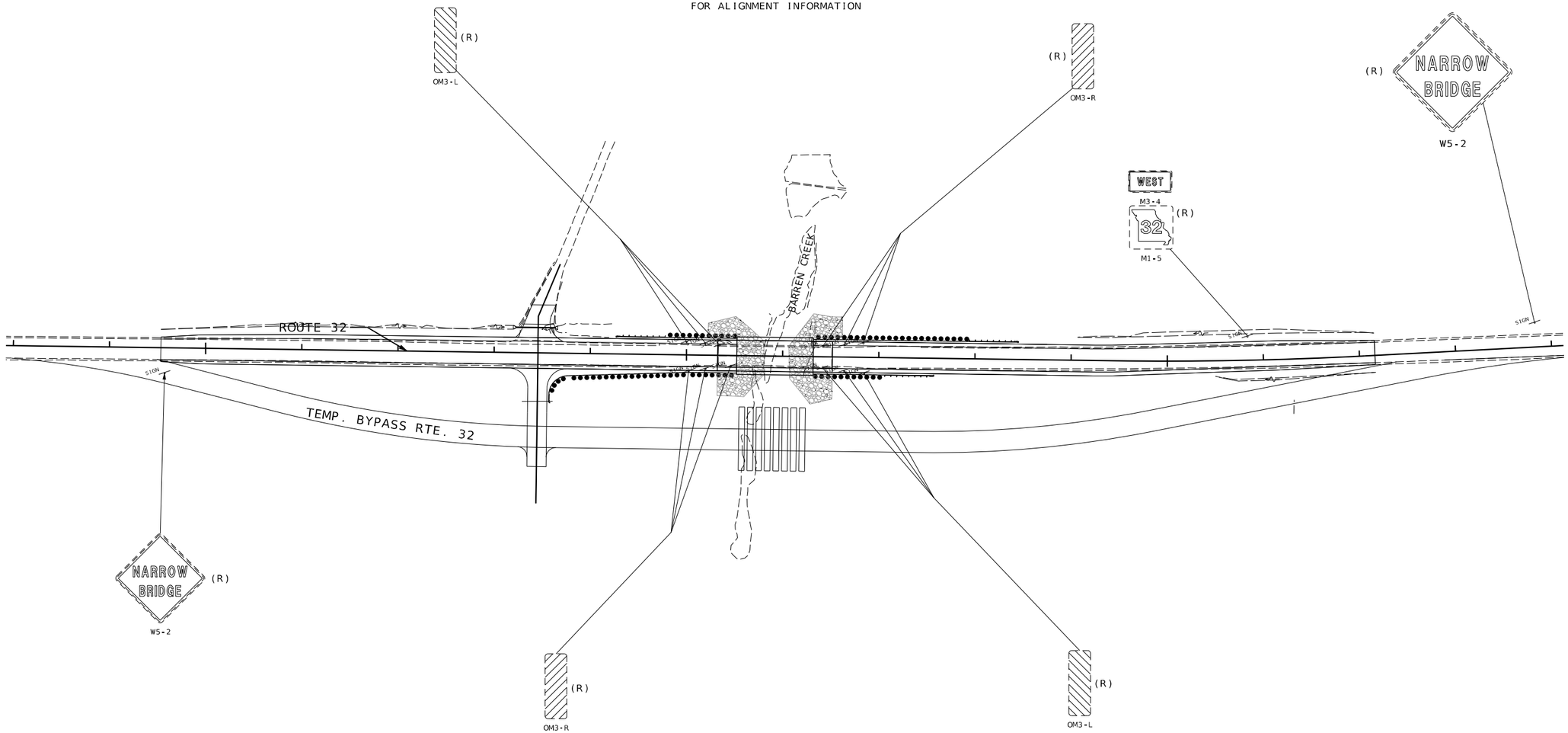
BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

SEE PLAN SHEETS
FOR ALIGNMENT INFORMATION



SCALE

0 60 120 180

SUBPROJECT E
ROUTE 32 @ BARREN CREEK
SIGNING SHEET
SHEET 5 OF 17

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	89

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

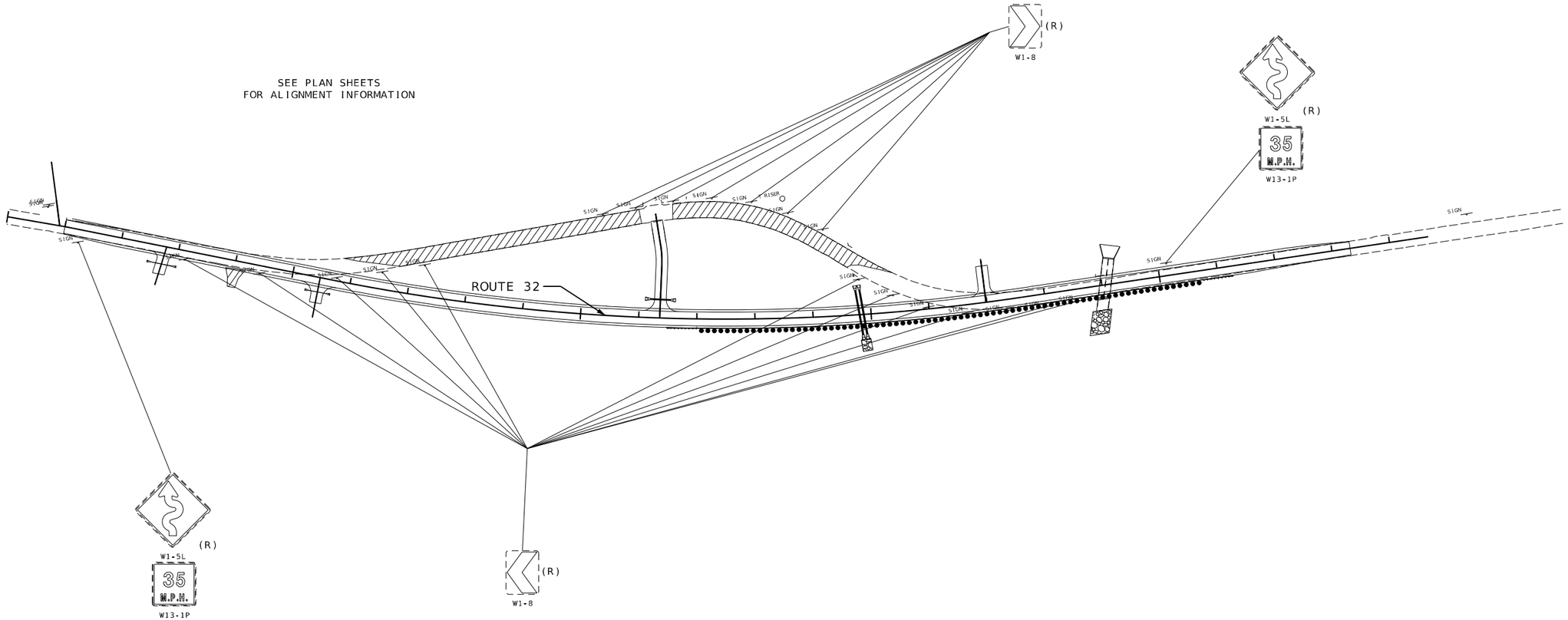
DESCRIPTION	DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

SEE PLAN SHEETS
FOR ALIGNMENT INFORMATION



SUBPROJECT F
ROUTE 32 @ CO. RD. 76
SIGNING SHEET
SHEET 6 OF 17

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	90

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

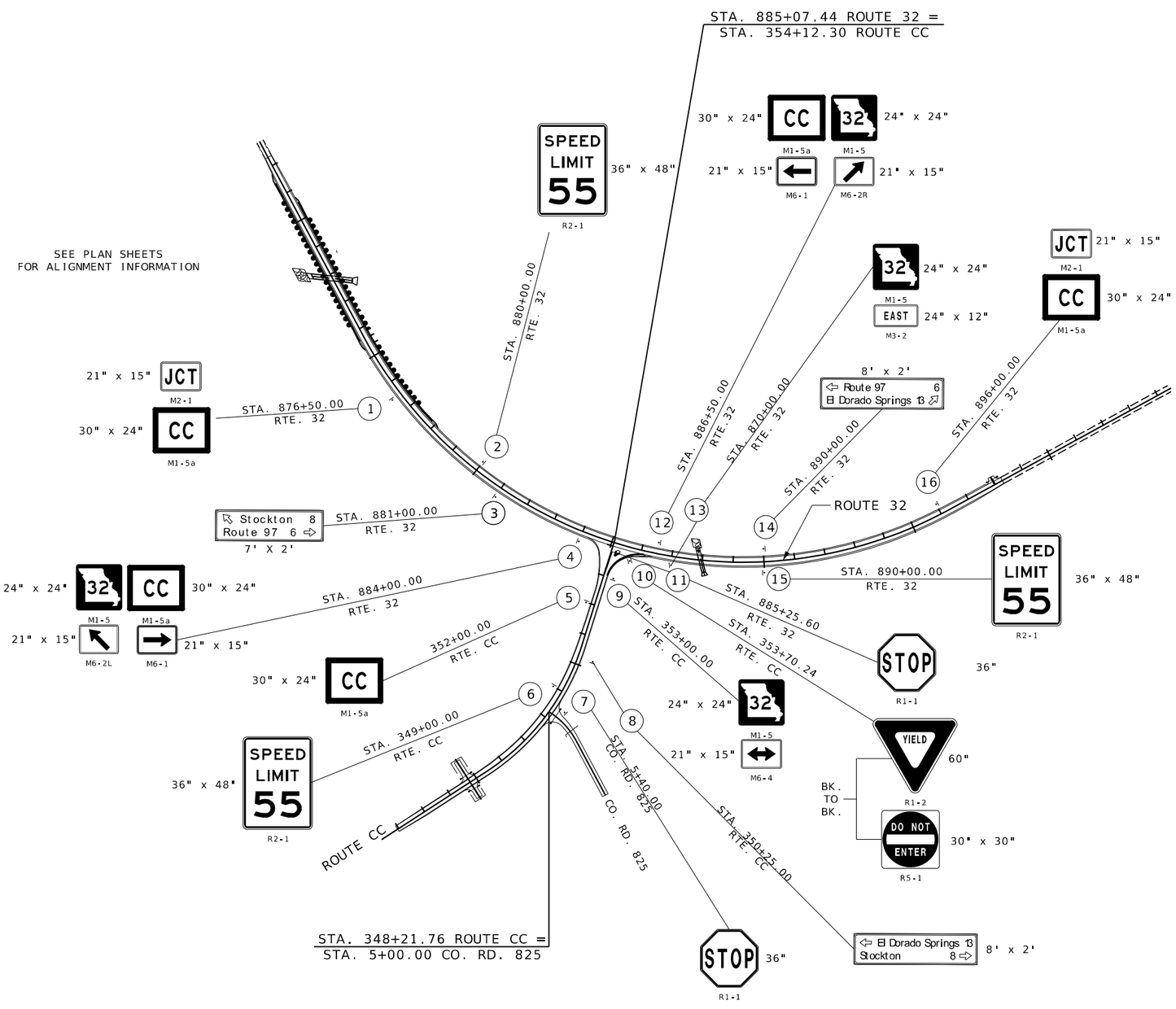
BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

...\090_SN_06-17_JSR0059_i100_006.dgn 5:48:39 PM 8/20/2026



SCALE

0 200 400 600 800 1000

SUBPROJECT A
ROUTE 32 @ ROUTE CC
SIGNING SHEET
SHEET 7 OF 17

...\091_SN_07-17_JSR0059_i200_001.dgn 5:49:04 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	91

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

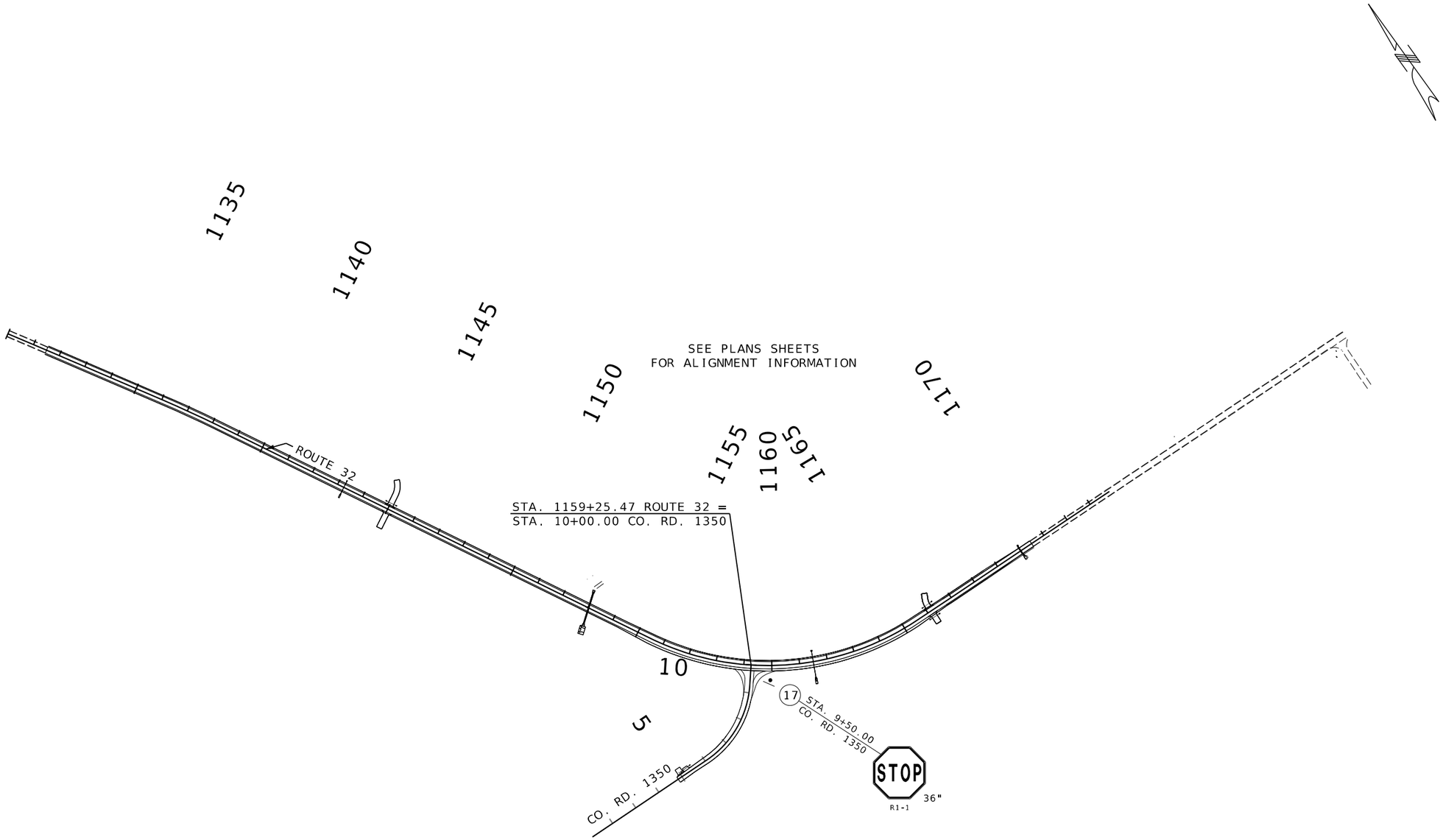
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



SCALE

0 200 400 600 800 1000

SUBPROJECT B
ROUTE 32 @ CO. RD. 1350
SIGNING SHEET
SHEET 8 OF 17

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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO

DISTRICT	SHEET NO.
SW	92

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

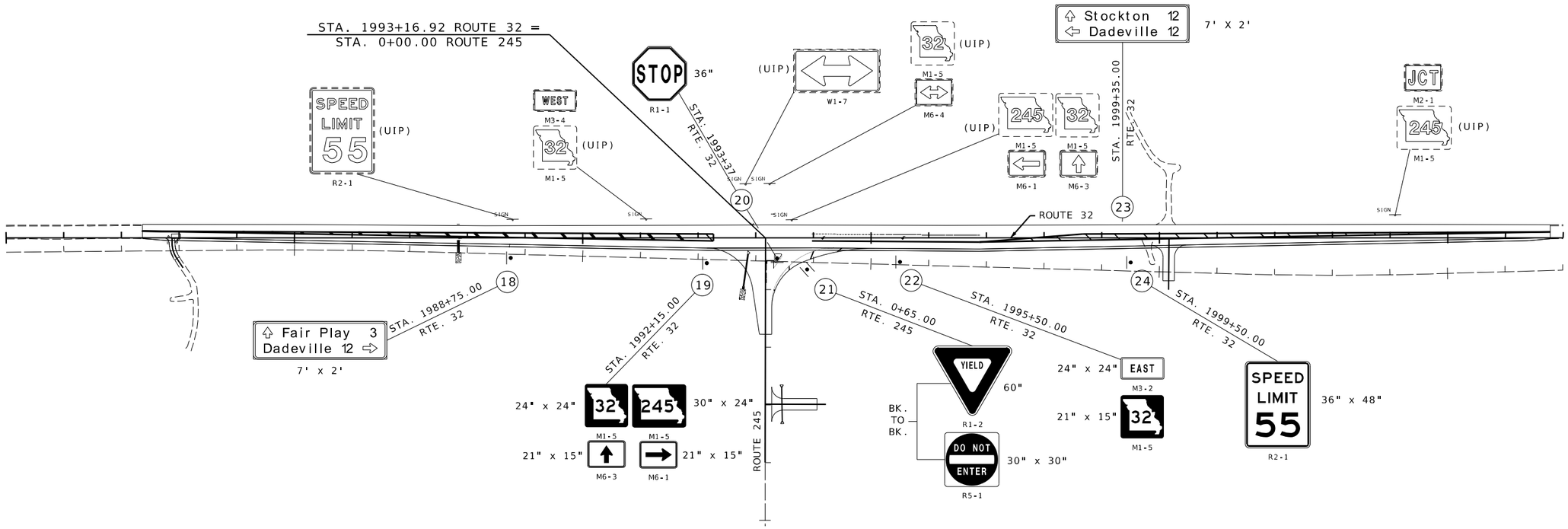
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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SEE PLAN SHEETS
FOR ALIGNMENT INFORMATION



SCALE
0 100 200 300 400 500

SUBPROJECT C
ROUTE 32 @ ROUTE 245
SIGNING SHEET
SHEET 9 OF 17

...\093_SN_09-17_JSR0059_i100_003.dgn 5:49:40 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	93

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

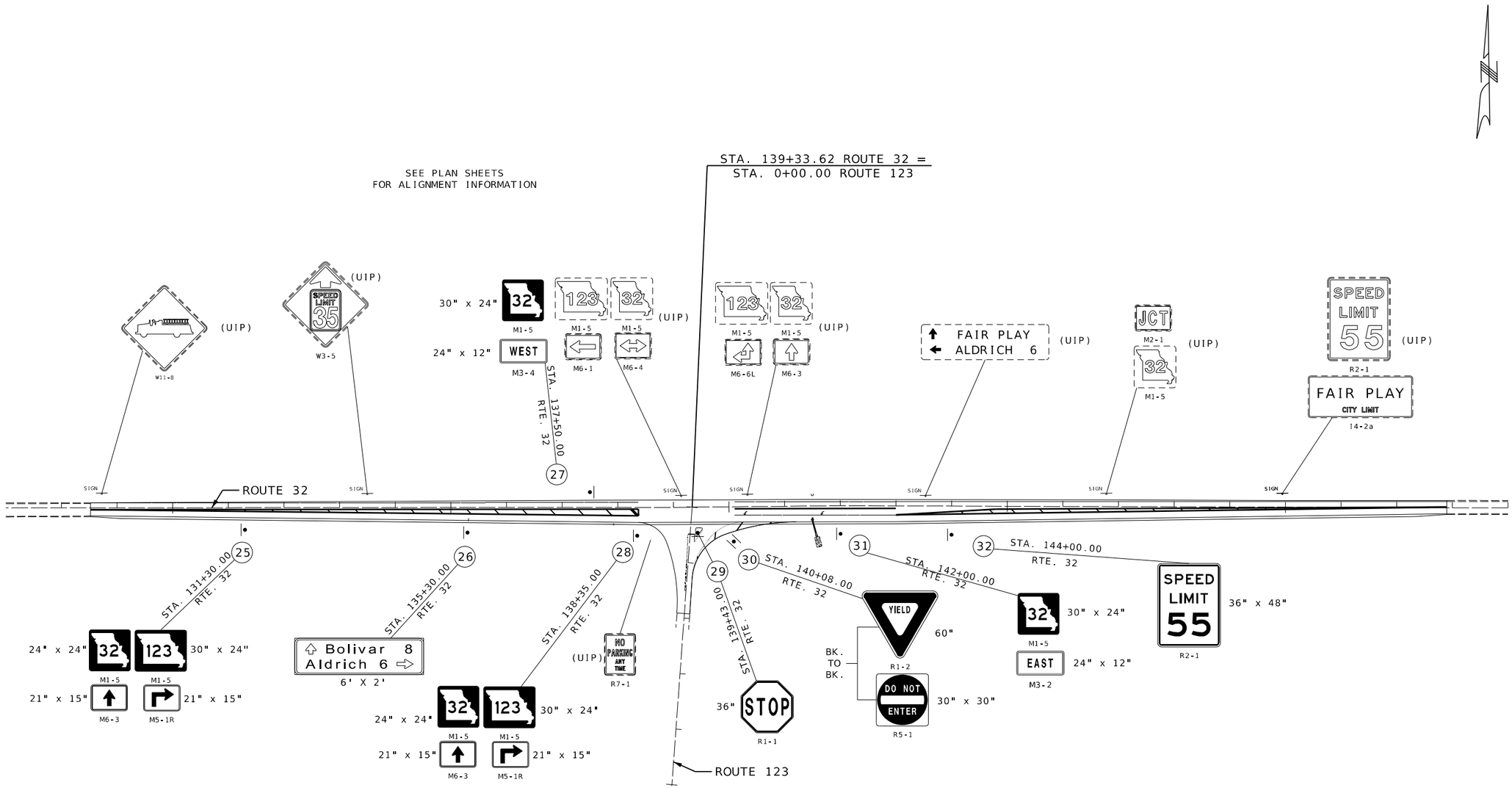
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
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SUBPROJECT D
ROUTE 32 @ ROUTE 123
SIGNING SHEET
SHEET 10 OF 17

...\094_SN_10-17_JSR0059_i100_004.dgn 5:49:54 PM 8/20/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	94

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

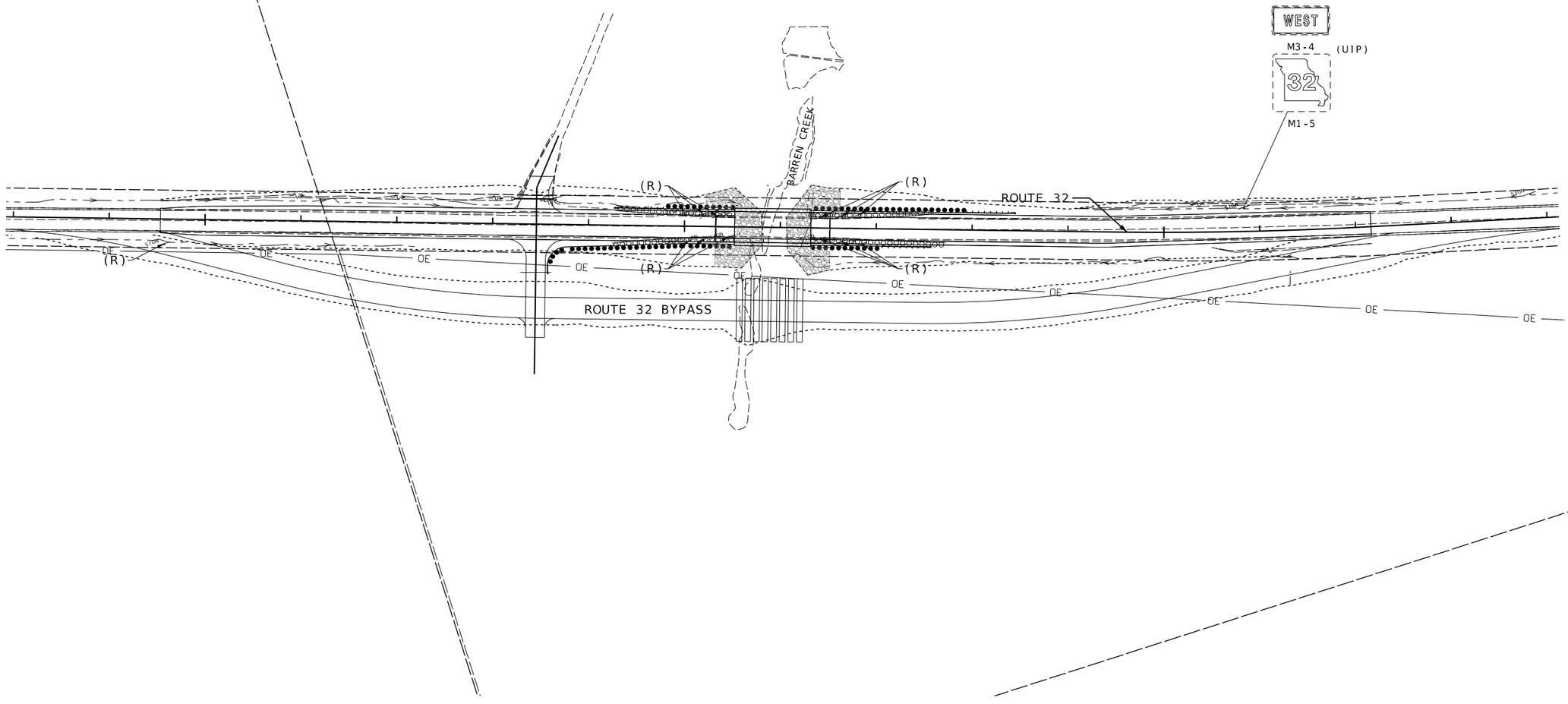
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Carthage, MO 64836
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COA# 00062
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OWN
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200

205

SEE PLAN SHEETS
FOR ALIGNMENT INFORMATION

210



SCALE

0 60 120 180

SUBPROJECT E
ROUTE 32 @ BARREN CREEK
SIGNING SHEET
SHEET 11 OF 17

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO

DISTRICT	SHEET NO.
SW	95

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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SIGN NO.	SIGN SIZE	STATION/ LOG MILE	LOCATION	SIGN 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	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 NO.1 LF	NO.2 LF	TOTAL ITEM NO. 9031270A LF	ANCHORS DRIVEN ITEM NO. 9031273A EACH	CONCRETE ITEM NO. 9031274 EACH	2.5" 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	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
1	ASSEMBLY	876+50.00	RTE 32 RT																					16		16		1							
2	36" X 48"	880+00.00	RTE 32 LT																					16		16		1							
3	7' X 2'	881+00.00	RTE 32 RT		0.13							2.5	16.75	18.25	5.79	202.7																			
4	ASSEMBLY	884+00.00	RTE 32 RT																					16		16		1	1		4	50	16.67		
5	30" X 24"	352+00.00	RTE CC LT																16		16		1												
6	36" X 48"	349+00.00	RTE CC LT																					16		16		1							
7	36"	5+40.00	CO. RD. 825	RT																				16		16		1							
8	8' X 2'	350+25.00	RTE CC RT		0.36							4	18.5	19.5	10.79	410.0																			
9	ASSEMBLY	353+00.00	RTE CC RT																16		16		1												
10	ASSEMBLY	353+70.74	RTE CC RT																					16		16		1							
11	36"	885+25.60	RTE 32 RT																					16		16		1							
12	ASSEMBLY	886+50.00	RTE 32 LT																					16		16		1	1		4	50	16.67		
13	ASSEMBLY	870+00.00	RTE 32 LT																																
14	8' X 2'	890+00.00	RTE 32 LT		0.36							4	16.75	16	10.79	353.4																			
15	36" X 48"	890+00.00	RTE 32 RT																					16		16		1							
16	ASSEMBLY	896+00.00	RTE 32 LT																					16		16		1							
17	36"	9+50.00	CO. RD. 1350	RT																				16		16		1							
18	7' X 2'	1988+75.00	RTE 32 RT		0.13							2.5	16.75	17	5.79	195.4																			
19	ASSEMBLY	1992+15.00	RTE 32 RT																					16		16		1	1		4	50	16.67		
20	36"	1993+37.00	RTE 32 RT																16		16		1												
21	ASSEMBLY	0+65.00	RTE 245 RT																					16		16		1							
22	ASSEMBLY	1995+50.00	RTE 32 RT																16		16		1												
23	7' X 2'	1999+35.00	RTE 32 LT																																
24	36" X 48"	1999+50.00	RTE 32 RT																					16		16		1							
25	ASSEMBLY	131+30.00	RTE 32 RT																					16		16		1	1		4	50	16.67		
26	6' X 2'	135+30.00	RTE 32 RT		0.13							2.5	15.5	14.75	5.79	175.1																			
27	ASSEMBLY	137+50.00	RTE 32 LT																																
28	ASSEMBLY	138+35.00	RTE 32 RT																					16		16		1	1		4	50	16.67		
29	36"	139+43.00	RTE 32 RT																16		16		1												
30	ASSEMBLY	140+08.00	RTE 32 RT																					16		16		1							
31	ASSEMBLY	142+00.00	RTE 32 RT																					16		16		1							
32	36" X 48"	144+00.00	RTE 32 RT																					16		16		1							
SUBTOTAL		1.11									1337									80		5			304		19	5			83.4			
TOTAL		1.2									1340									80		5			304		19	5			84			

*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	POST 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

SIGNING SHEET
SHEET 12 OF 17

D-29

EFFECTIVE: 07-01-2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026

ROUTE 32 | STATE MO

DISTRICT SW | SHEET NO. 96

COUNTY CEDAR/POLK

JOB NO. JSR0059

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION/ LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																	
			JCT M2-1 21"X 15"	CC M1-5a 30"X 24"	SPEED LIMIT 55 36"X 48"	32 M1-5 24"X 24"	M6-3 21"X 15"	M6-1 21"X 15"	STOP R1-1 36"	M6-4 21"X 15"	245 M1-5 30"X 24"	YIELD R1-2 48"	DO NOT ENTER R5-1 30"X 30"	EAST M3-2 24"X 12"	123 M1-5 30"X 24"	M5-1R 21"X 15"	WEST M3-4 24"X 12"			
1	876+50.00	RTE 32 RT	1	1																
2	880+00.00	RTE 32 LT			1															
4	884+00.00	RTE 32 RT																		
5	352+00.00	RTE CC LT		1		1	1	1												
6	349+00.00	RTE CC LT		1																
7	5+40.00	CC. RD. 825 RT							1											
9	353+00.00	RTE CC RT				1				1										
10	353+70.74	RTE CC RT										1	1							
11	885+25.60	RTE 32 RT							1											
12	886+50.00	RTE 32 LT		1		1	1	1												
13	870+00.00	RTE 32 LT				1								1						
15	890+00.00	RTE 32 RT			1															
16	896+00.00	RTE 32 LT	1	1																
17	9+50.00	CO. RD. 1350 RT							1											
19	1992+15.00	RTE 32 RT				1	1	1			1									
20	1993+37.00	RTE 32 RT							1											
21	0+65.00	RTE 245 RT										1	1							
22	1995+50.00	RTE 32 RT				1								1						
24	1999+50.00	RTE 32 RT			1															
25	131+30.00	RTE 32 RT				1	1								1	1				
27	137+50.00	RTE 32 LT				1											1			
28	138+35.00	RTE 32 RT				1	1								1	1				
29	139+43.00	RTE 32 RT							1											
30	140+08.00	RTE 32 RT										1	1							
31	142+00.00	RTE 32 RT				1								1						
32	144+00.00	RTE 32 RT			1															
		TOTALS	2	5	4	10	5	3	5	1	1	3	3	3	2	2	1			

SIGN SUMMARY

EFFECTIVE: 10-01-2016

STANDARD OR SPECIAL SIGN DESIGNATION	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
3 ↖ STOCKTON 8 ROUTE 97 6→		1	7' X 2'			14.00	
8 ←EL DORADO SPRINGS 13 STOCKTON 8 →		1	8' X 2'			16.00	
14 ← ROUTE 97 6 EL DORADO SPRINGS 13 →		1	8' X 2'			16.00	
17 ↑FAIR PLAY 3 DADEVILLE 12→		1	7' X 2'			14.00	
23 ↑ STOCKTON 12 DADEVILLE 12 →		1	7" X 2'			14.00	
26 ↑ BOLIVAR 8 ALDRICH 6 →		1	6' X 2'			12.00	
1,16 JCT		2	21" X 15"	4.38			
1,5,6,12,16 CC		5	30" X 24"	25.00			
2,15,24,32 SPEED LIMIT 55		4	36" X 48"	48.00			
5,9,12,13,19,22,25,27,28,31 32		10	24" X 24"	40.00			
5,12,19,25,27		5	21" X 15"	10.94			
5,12,19		3	21" X 15"	6.56			
7,11,17,20,29		5	36"				
9		1	21" X 15"	2.19			
19		1	30" X 24"	5.00			
11,21,30		3	48"	20.79			
11,21,30		3	30" X 30"	18.75			
13,22,31		3	24" X 12"	6.00			
25,28		2	30" X 24"	10.00			
25,28		2	21" X 15"	4.38			
27		1	24" X 12"	2.00			
		TOTALS		204		86	

*ORANGE, YELLOW AND YELLOW-GREEN

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER F-77133
PROFESSIONAL ENGINEER

DATE PREPARED: 8/20/2026
ROUTE: 32
STATE: MO
DISTRICT: SW
SHEET NO.: 97
COUNTY: CEDAR/POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.:

DESCRIPTION

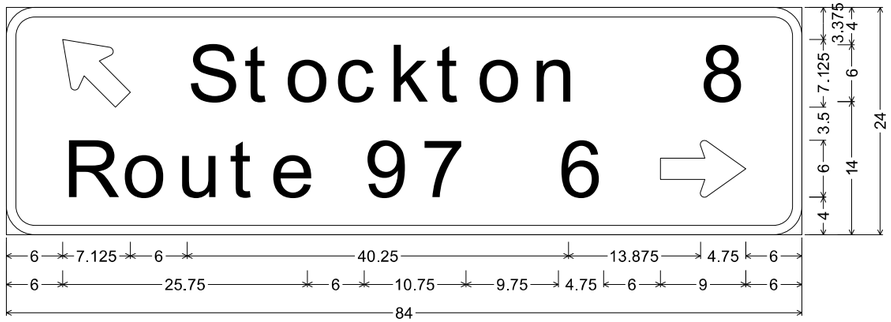
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNING
SHEET 13 OF 17

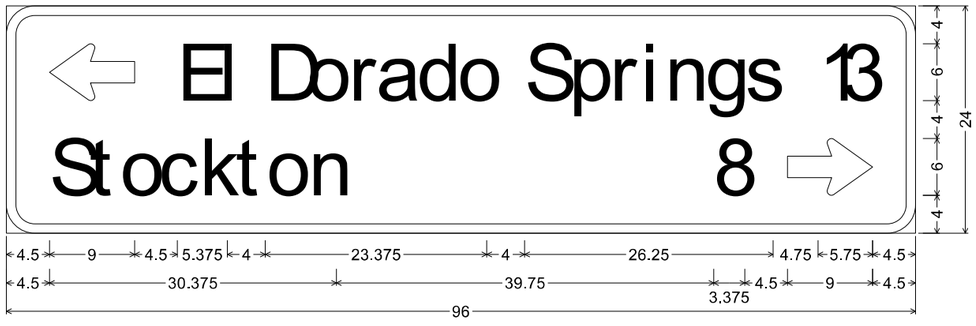
D-30



D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
Standard Arrow Custom 9.000" X 6.000" 135°; "Stockton", E Mod specified length; "8", E Mod;
"Route 97", E Mod specified length; "6", E Mod; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇖ 6.000	S 19.125	t 25.125	o 29.375	c 34.625	k 40.375	t 45.375	o 49.625	n 55.500	8 73.250
R 6.000	o 12.250	u 18.000	t 23.500	e 27.875	9 37.750	7 43.750	6 58.250	⇨ 69.000	

SIGN 3



D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
Standard Arrow Custom 9.000" X 6.000" 180°; "El Dorado Springs", C specified length; "13", C;
"Stockton", C specified length; "8", C; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇦ 4.500	E 18.000	l 22.500	D 27.375	o 31.750	r 36.125	a 39.125	d 43.375	o 47.625	
	S 54.750	p 59.375	r 63.750	i 67.000	n 69.500	g 73.875	s 78.000	1 85.750	3 88.125
S 4.500	t 8.750	o 12.000	c 16.000	k 20.375	t 24.250	o 27.500	n 31.875	8 74.625	⇨ 82.500

SIGN 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	98

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

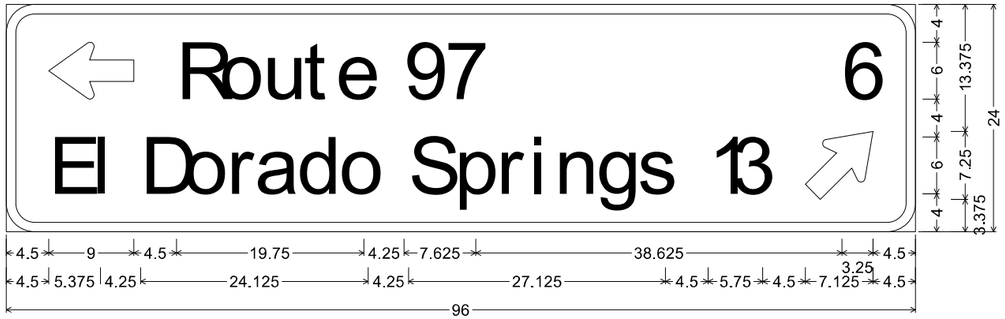
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearecwn.com
Engineering beyond.

D-31

SIGNING SHEET
SHEET 14 OF 17

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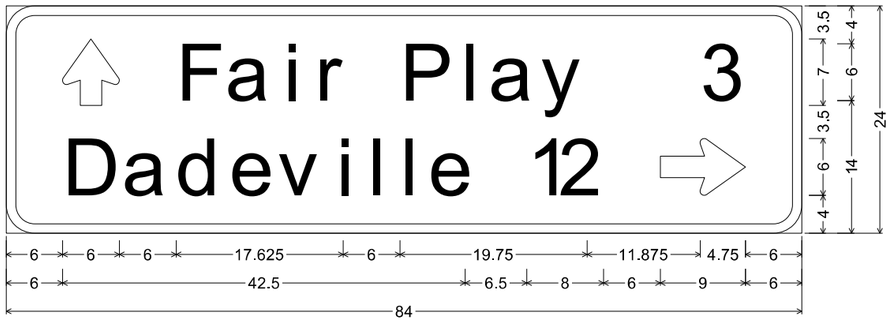
D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
Standard Arrow Custom 9.000" X 6.000" 180°; "Route 97", C specified length; "6", C;
"El Dorado Springs", C specified length; "13", C; Standard Arrow Custom 9.000" X 6.000" 45°;
Table of letter and object lefts

⇦	R	o	u	t	e	9	7	6
4.500	18.000	22.500	27.125	31.375	34.875	42.000	46.250	88.250

E	l	D	o	r	a	d	o	S	p	r	i	n	g	s
4.500	9.125	14.125	18.750	23.250	26.250	30.750	35.125	42.500	47.375	51.750	55.125	57.875	62.375	66.625

1	3	⇗
74.125	76.625	84.375

SIGN 14



D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
Standard Arrow Custom 7.000" X 6.000" 90°; "Fair Play", E Mod specified length; "3", E Mod;
"Dadeville", E Mod specified length; "12", E Mod; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧	F	a	i	r	P	l	a	y	3
6.000	18.000	23.125	29.250	32.625	41.625	48.000	50.875	56.375	73.250

D	a	d	e	v	i	l	l	e	1	2	⇨
6.000	12.250	17.875	23.625	28.750	34.875	38.250	41.625	44.500	55.000	58.250	69.000

SIGN 18

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 99
COUNTY CEDAR/POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO.

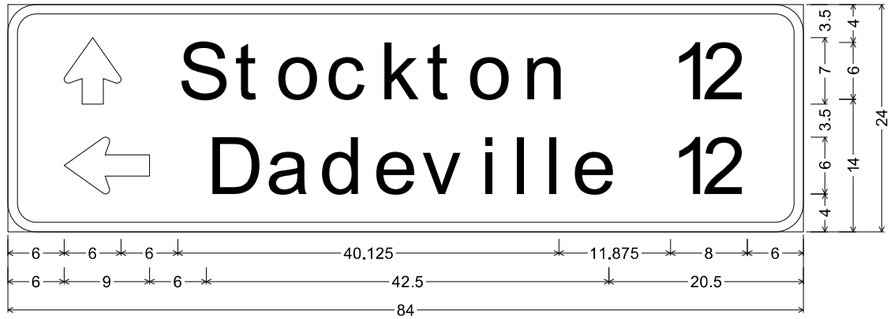
DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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COA# 00062
wearedwn.com
Engineering beyond.

D-31

SIGNING SHEET
SHEET 15 OF 17

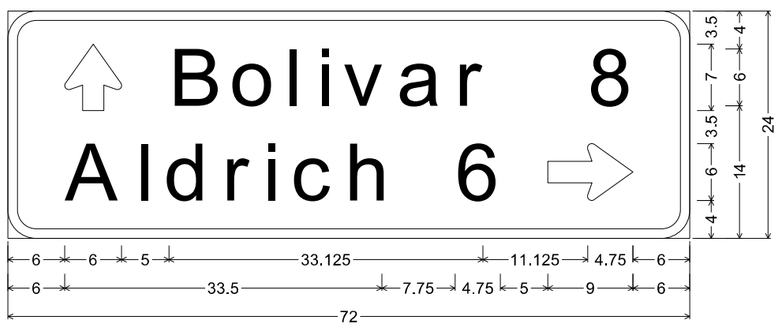


D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
Standard Arrow Custom 7.000" X 6.000" 90°; "Stockton", E Mod specified length; "12", E Mod;
Standard Arrow Custom 9.000" X 6.000" 180°; "Dadeville", E Mod specified length; "12", E Mod;
Table of letter and object lefts

⇧	S	t	o	c	k	t	o	n	1	2
6.000	18.000	23.875	28.250	33.500	39.250	44.125	48.500	54.250	70.000	73.250

⇦	D	a	d	e	v	i	l	l	e	1	2
6.000	21.000	27.250	32.875	38.625	43.750	49.875	53.250	56.625	59.500	70.000	73.250

SIGN 23



D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
Standard Arrow Custom 7.000" X 6.000" 90°; "Bolivar", E Mod specified length;
"8", E Mod; "Aldrich", E Mod specified length; "6", E Mod;
Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧	B	o	l	i	v	a	r	8
6.000	17.000	23.375	29.250	32.625	35.375	41.125	47.125	61.250

A	l	d	r	i	c	h	6	⇨
6.000	13.500	16.500	22.625	27.000	29.875	35.625	47.250	57.000

SIGN 26

STATE OF MISSOURI
SEAN T. WATLOOK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	100

COUNTY
CEDAR / POLK
JOB NO.
JSR0059
CONTRACT ID.
-
PROJECT NO.
-
BRIDGE NO.

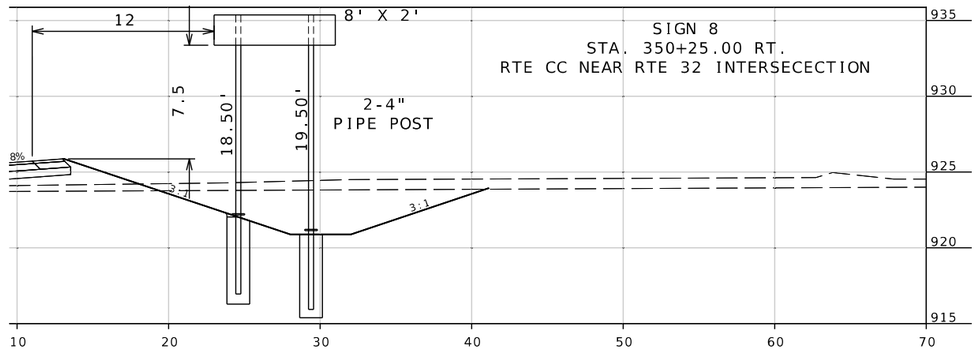
DATE	DESCRIPTION

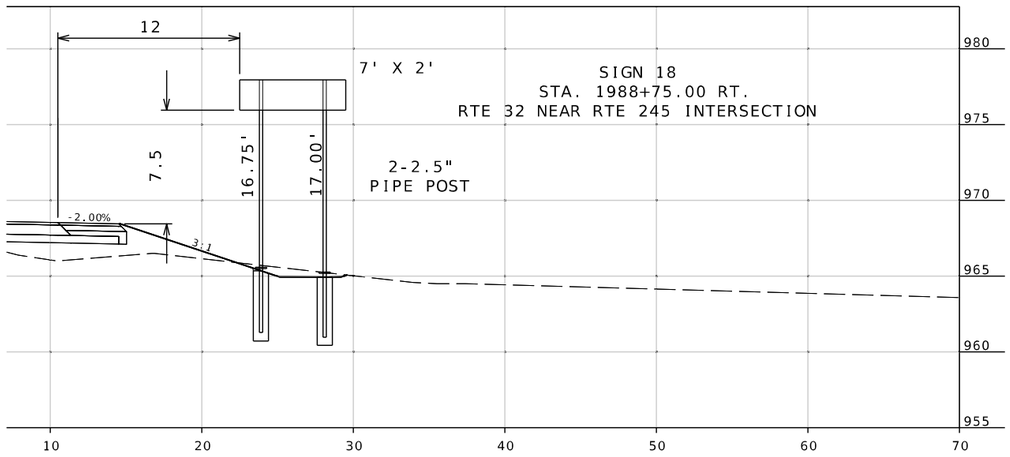
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

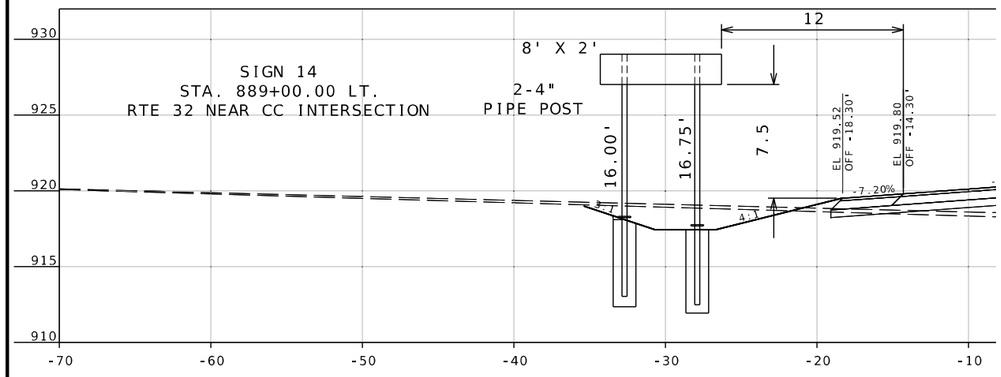
OWN *Engineering beyond.™*

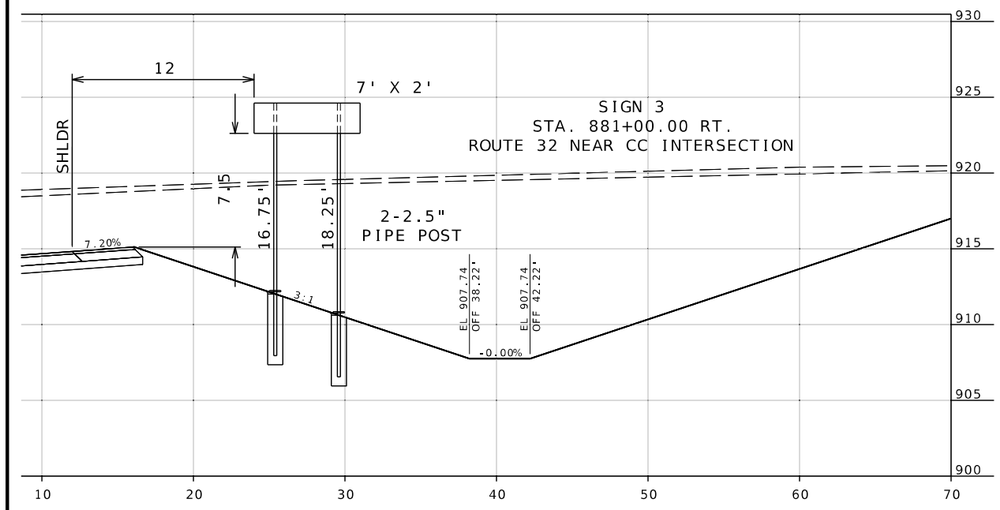
D-31

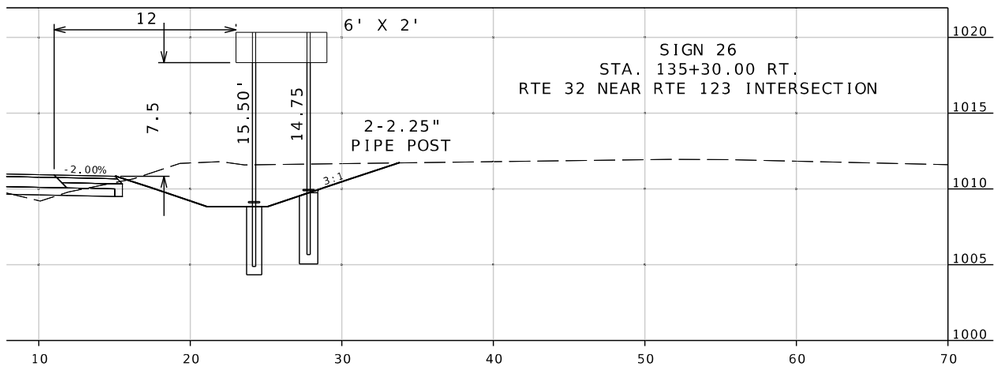
SIGNING SHEET
SHEET 16 OF 17











SIGNING SHEET
SHEET 17 OF 17

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	101

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

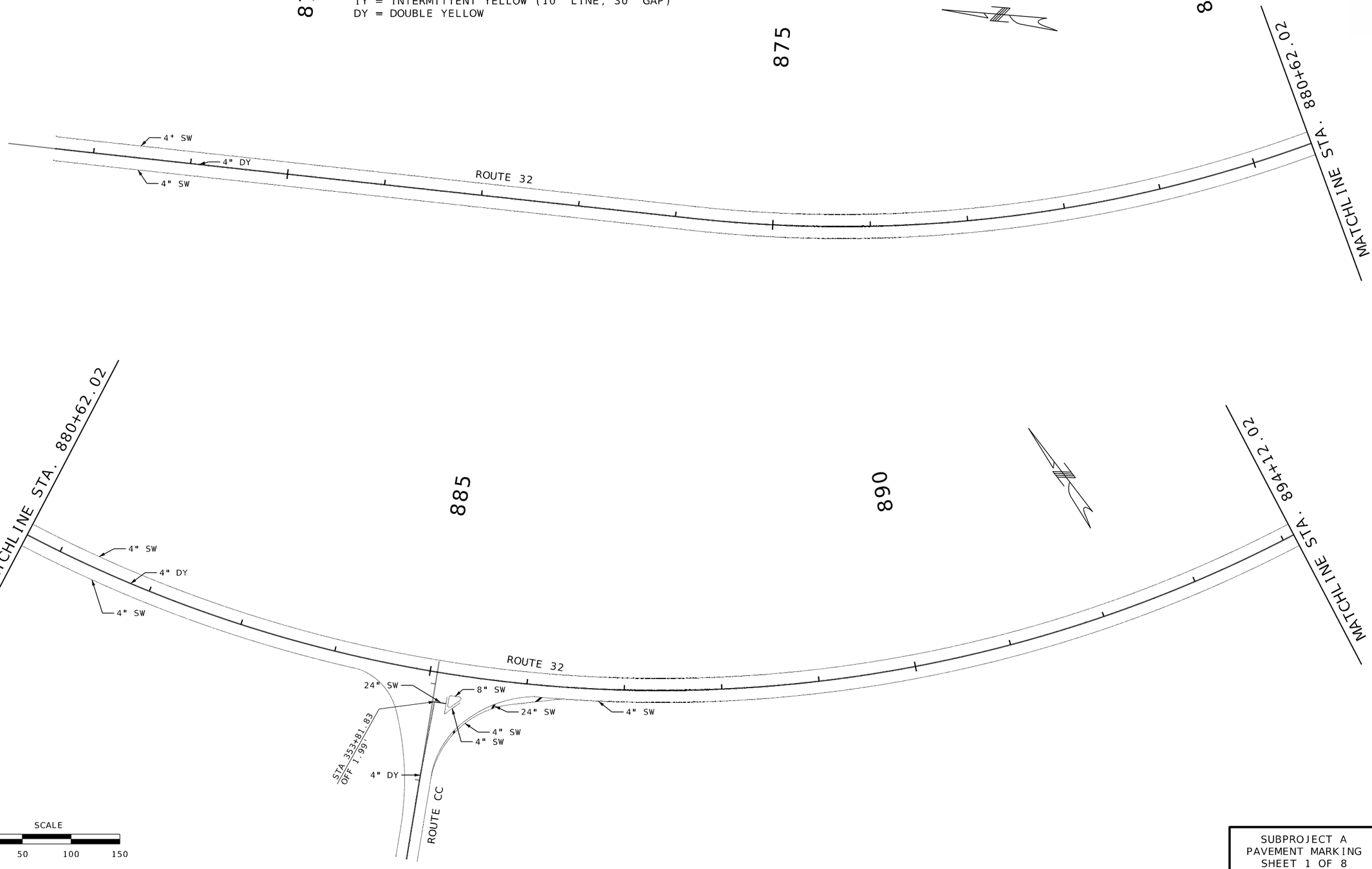
BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW



SUBPROJECT A
PAVEMENT MARKING
SHEET 1 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/20/2026
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	102
COUNTY	CEDAR / POLK
JOB NO.	JSR0059
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	

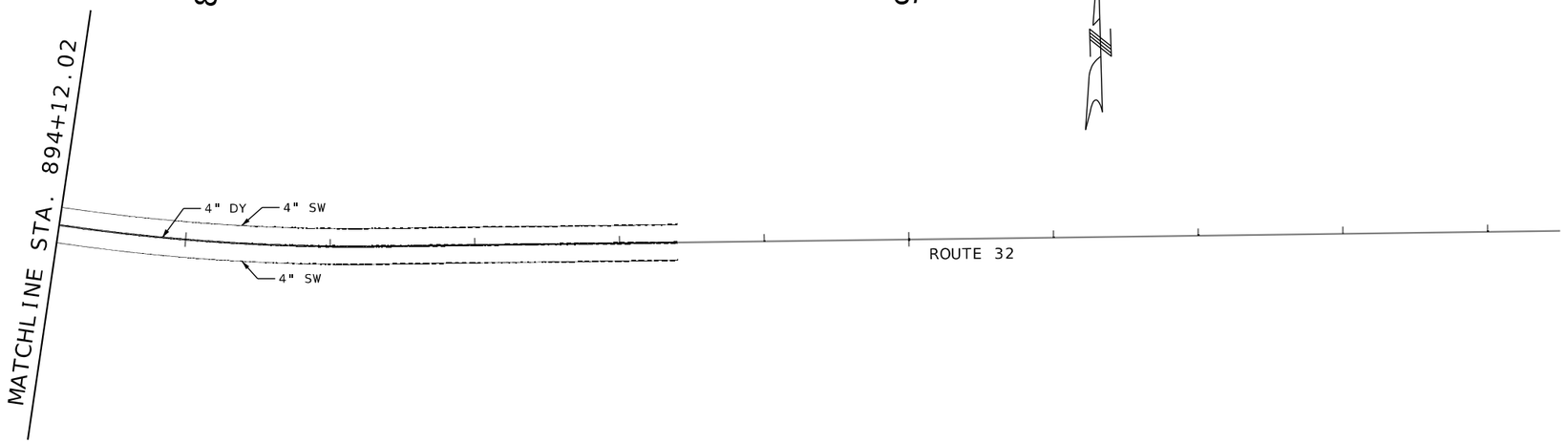
DESCRIPTION	DATE

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

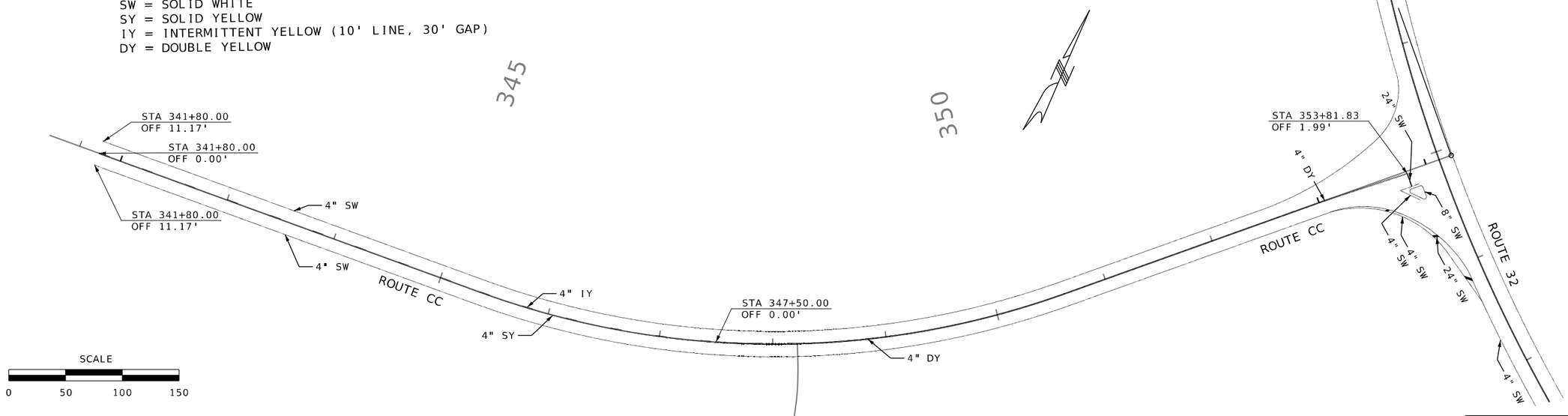
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

...\102_PM_01-08_JSR0059_i50_001.dgn 5:51:32 PM 8/20/2026

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW



LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW



SUBPROJECT A
PAVEMENT MARKING
SHEET 2 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	103

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

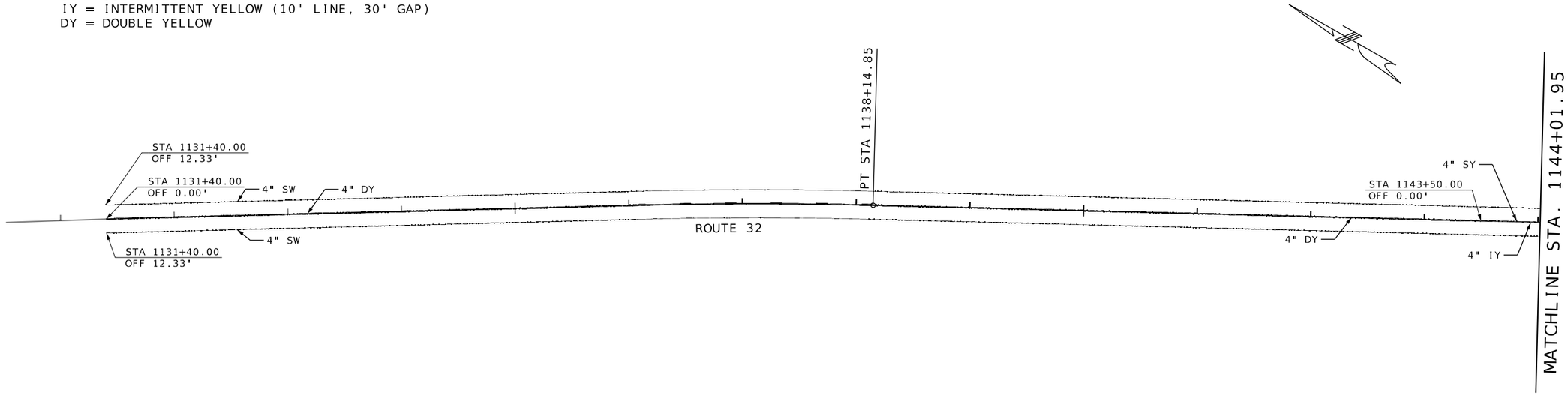
BRIDGE NO.

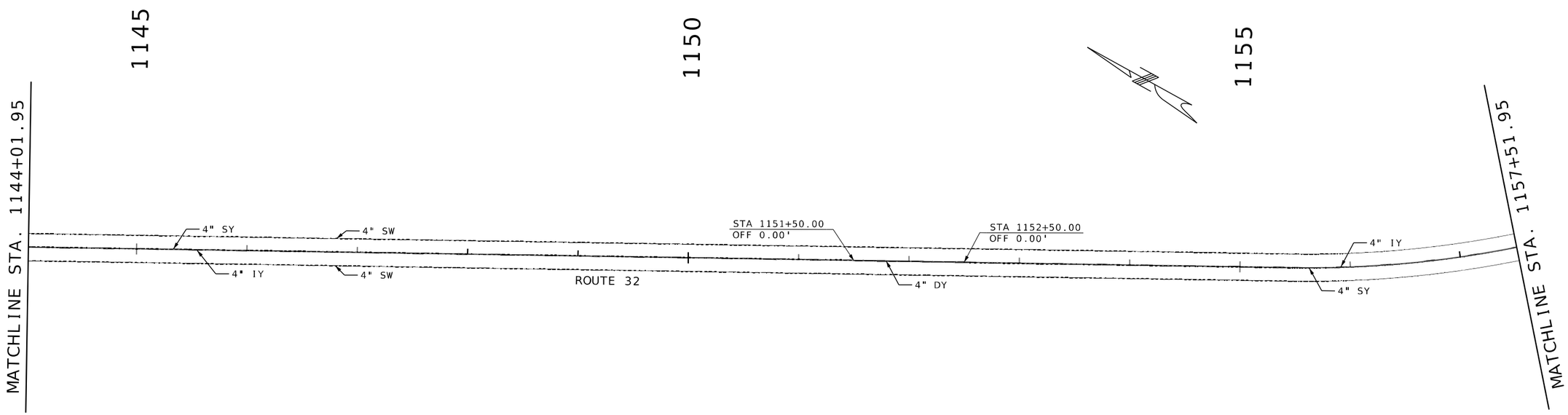
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW





SCALE
0 50 100 150

SUBPROJECT B
PAVEMENT MARKING
SHEET 3 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	104

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

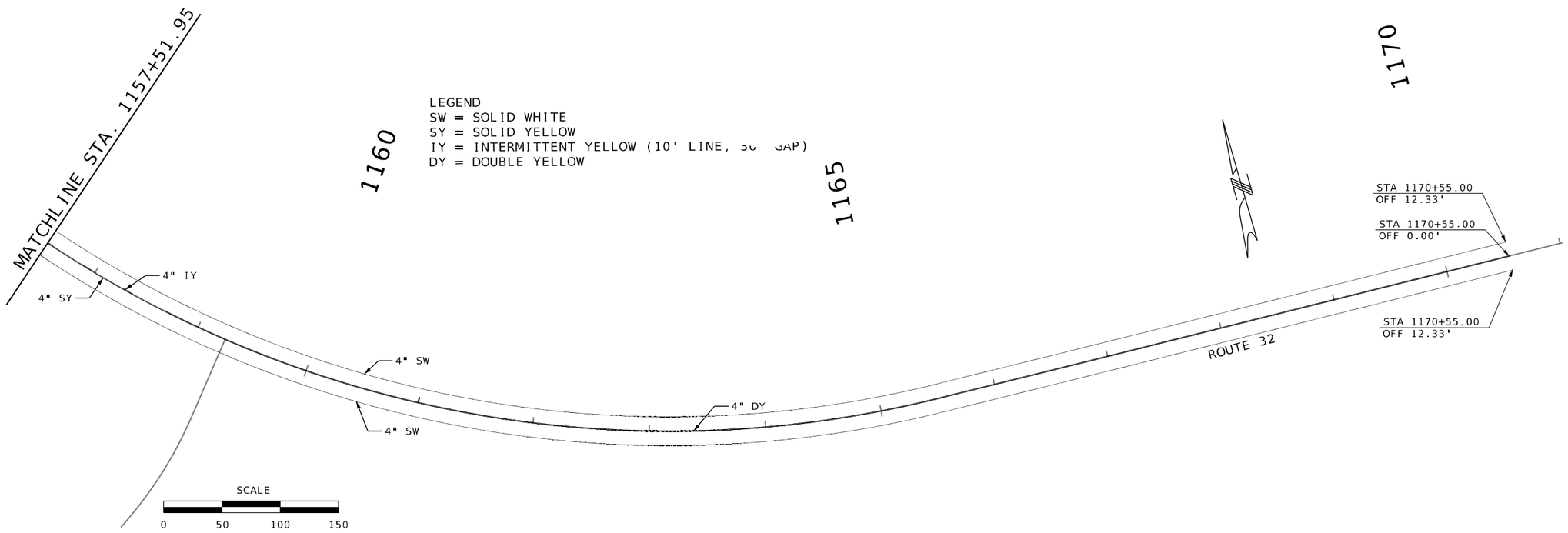
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

...\104_PM_03-08_JSR0059_i50_003.dgn 5:51:57 PM 8/20/2026



SUBPROJECT B
PAVEMENT MARKING
SHEET 4 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	105

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

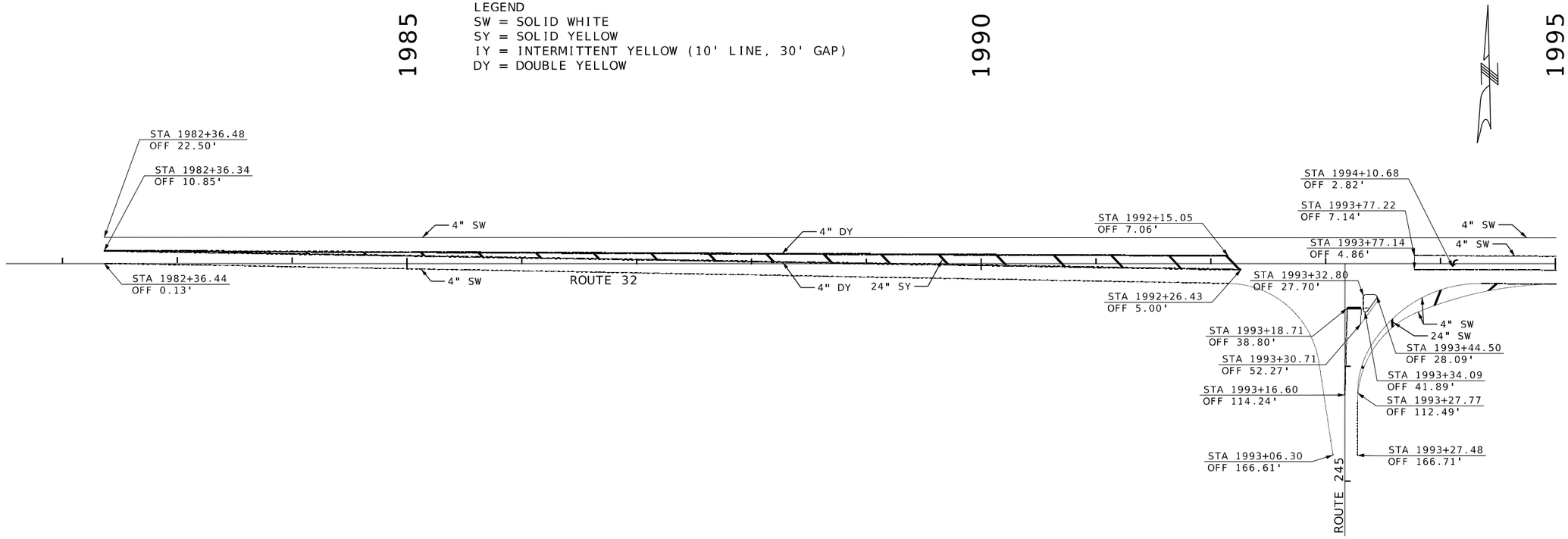
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

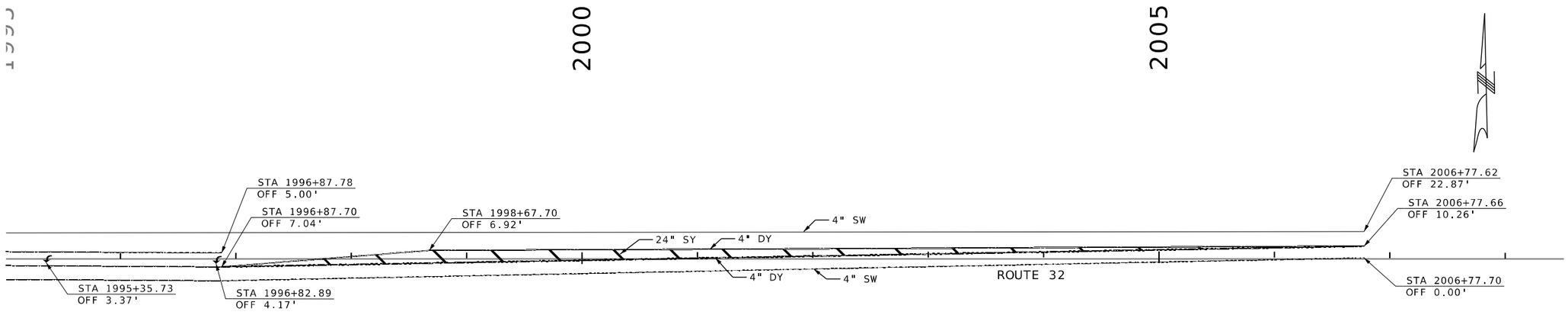
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.

...\105_PM_04-08_JSR0059_i50_004.dgn 5:52:09 PM 8/20/2026

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW





SCALE
0 50 100 150

SUBPROJECT C
PAVEMENT MARKING
SHEET 5 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	106

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

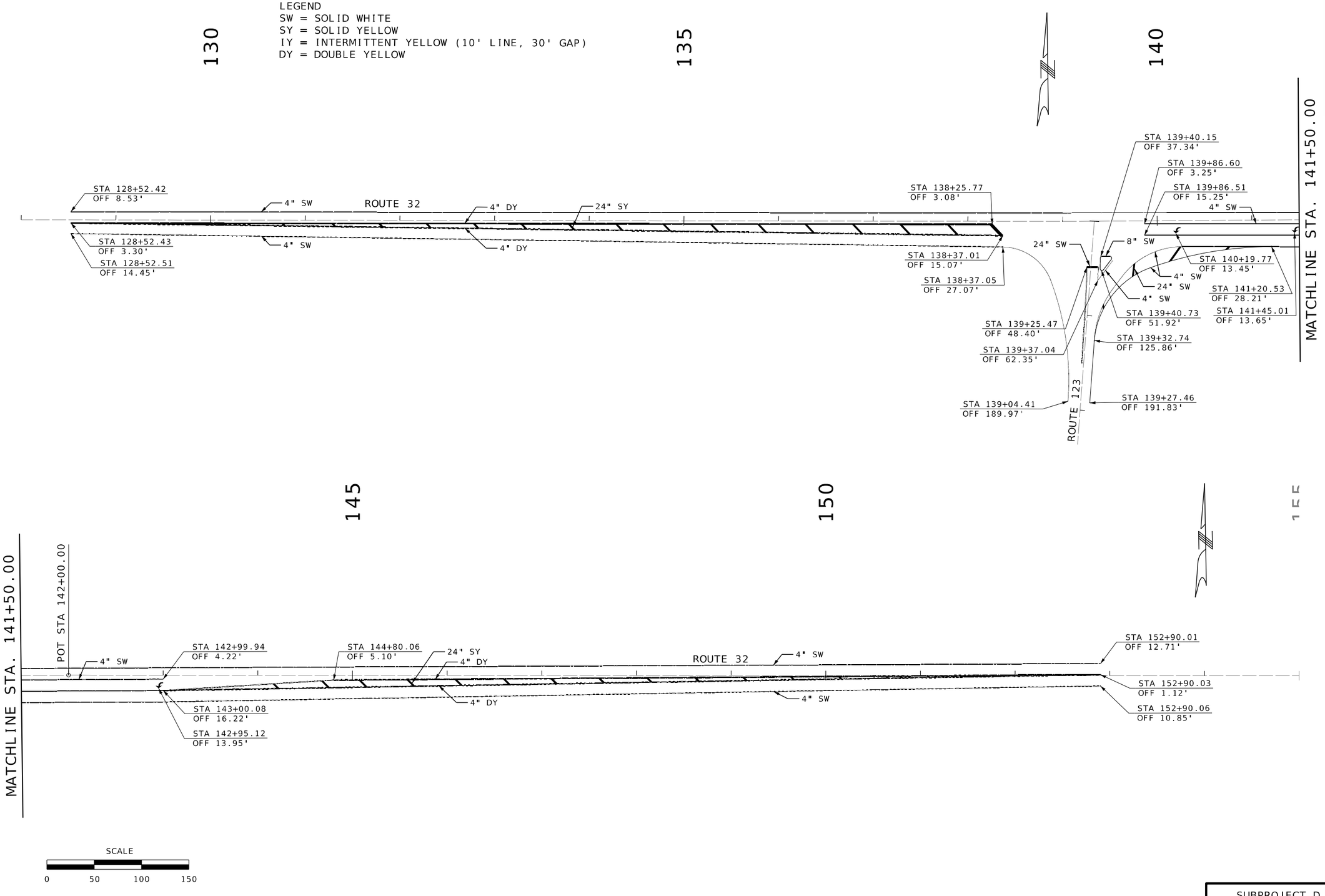
BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW



SUBPROJECT D
PAVEMENT MARKING
SHEET 6 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	107

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

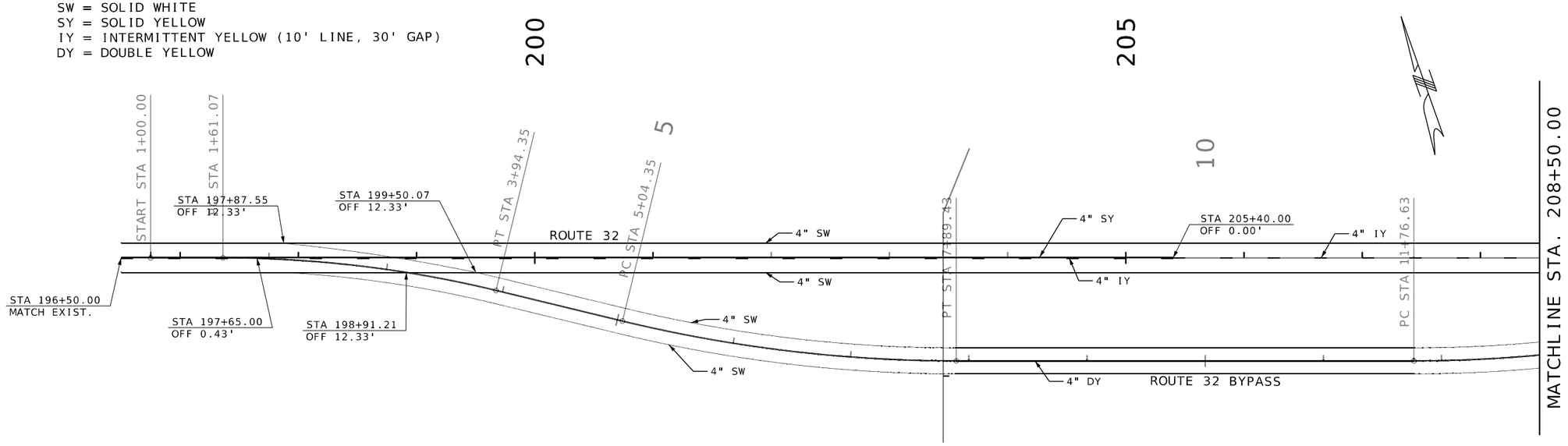
BRIDGE NO.

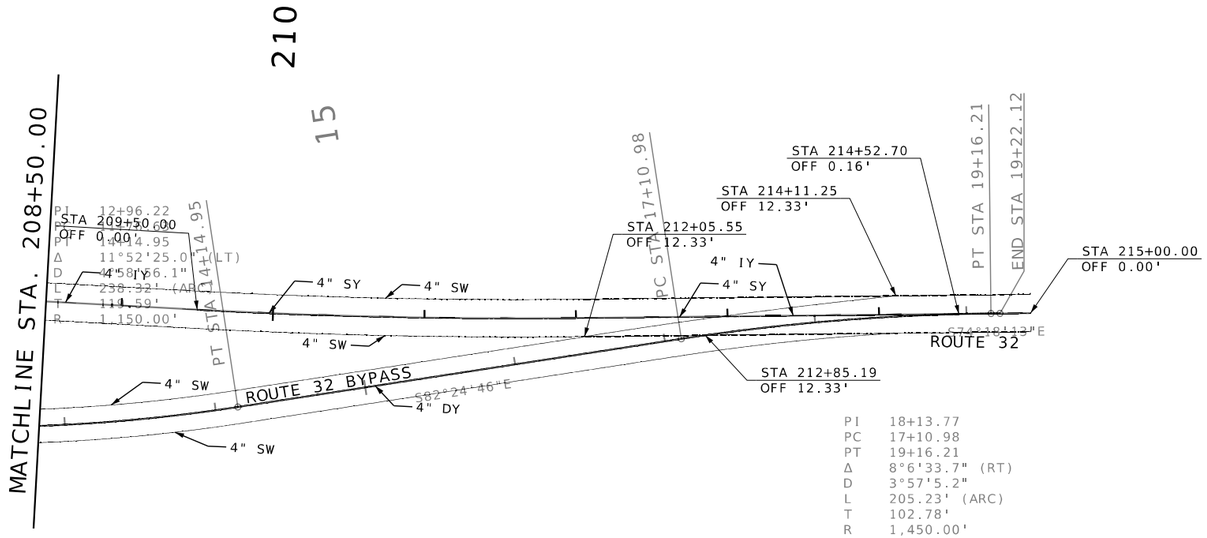
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW





PI 18+13.77
PC 17+10.98
PT 19+16.21
Δ 8°6'33.7" (RT)
D 3°57'5.2"
L 205.23' (ARC)
T 102.78'
R 1,450.00'

SCALE
0 50 100 150

SUBPROJECT E
PAVEMENT MARKING
SHEET 7 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

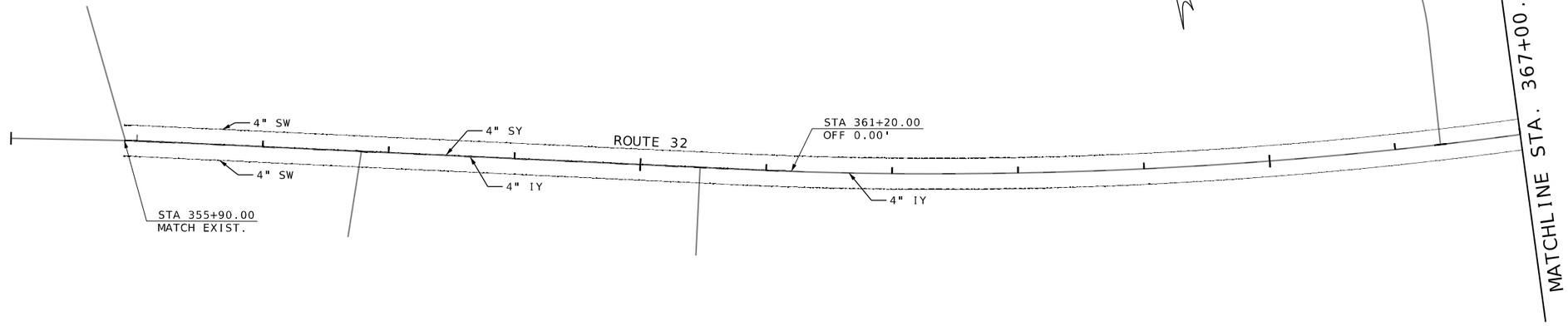
DATE PREPARED 8/20/2026
ROUTE 32 | STATE MO
DISTRICT SW | SHEET NO. 108
COUNTY CEDAR/POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO.

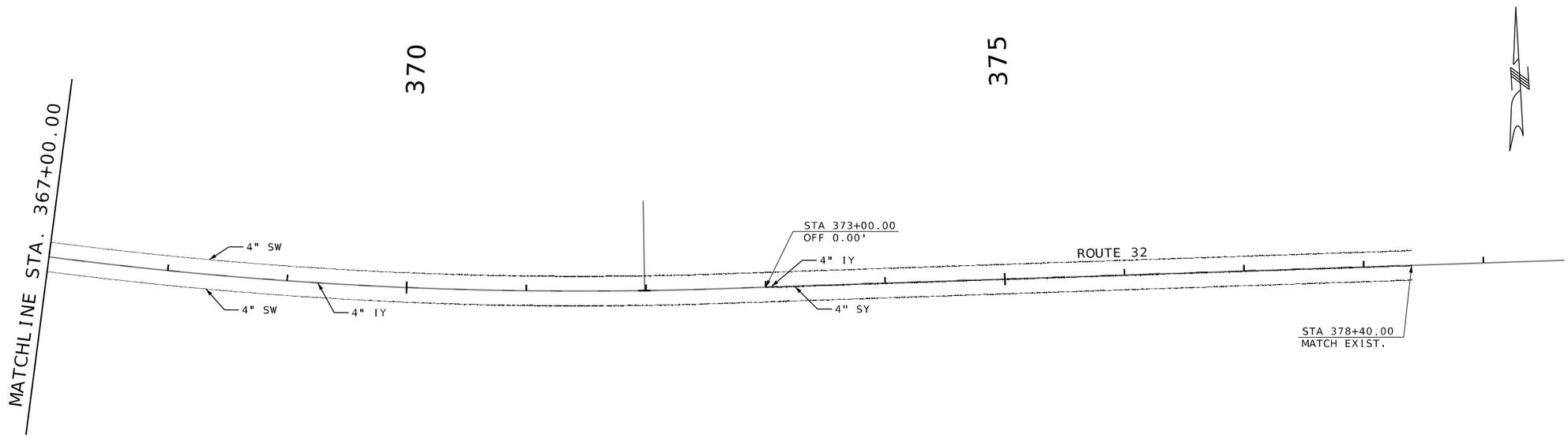
DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

LEGEND
SW = SOLID WHITE
SY = SOLID YELLOW
IY = INTERMITTENT YELLOW (10' LINE, 30' GAP)
DY = DOUBLE YELLOW





SUBPROJECT F
PAVEMENT MARKING
SHEET 8 OF 8

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/20/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	109

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

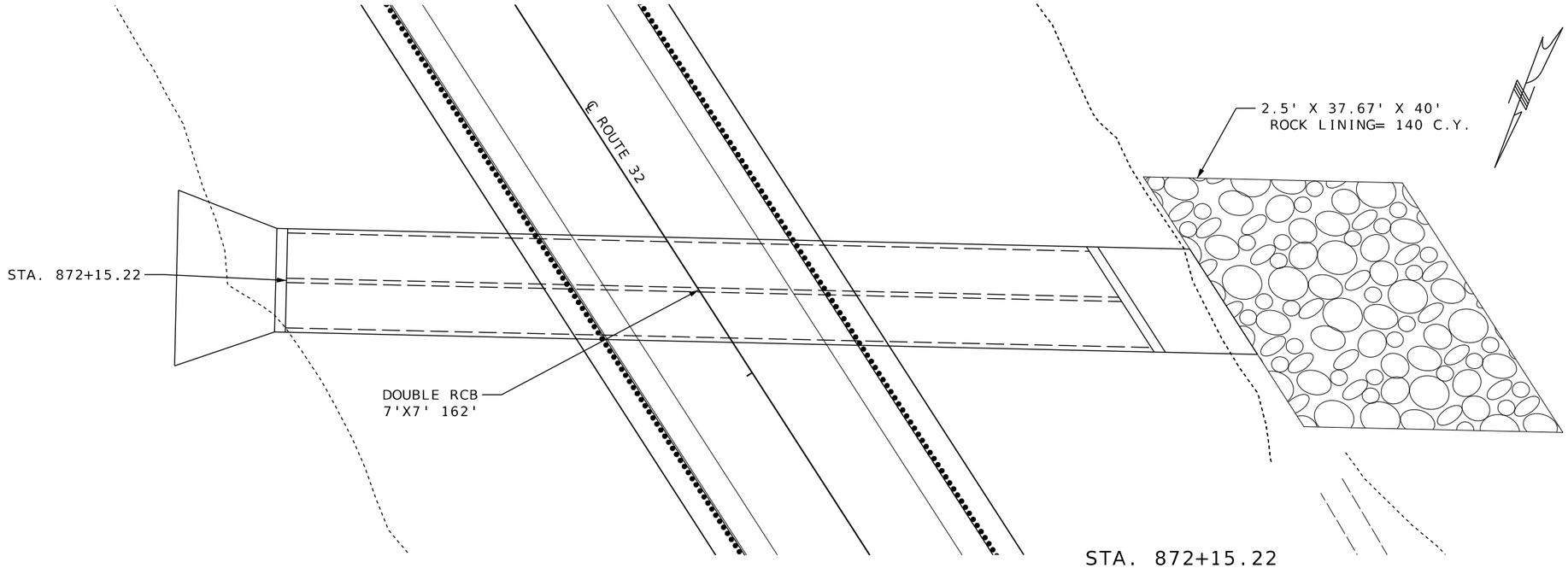
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

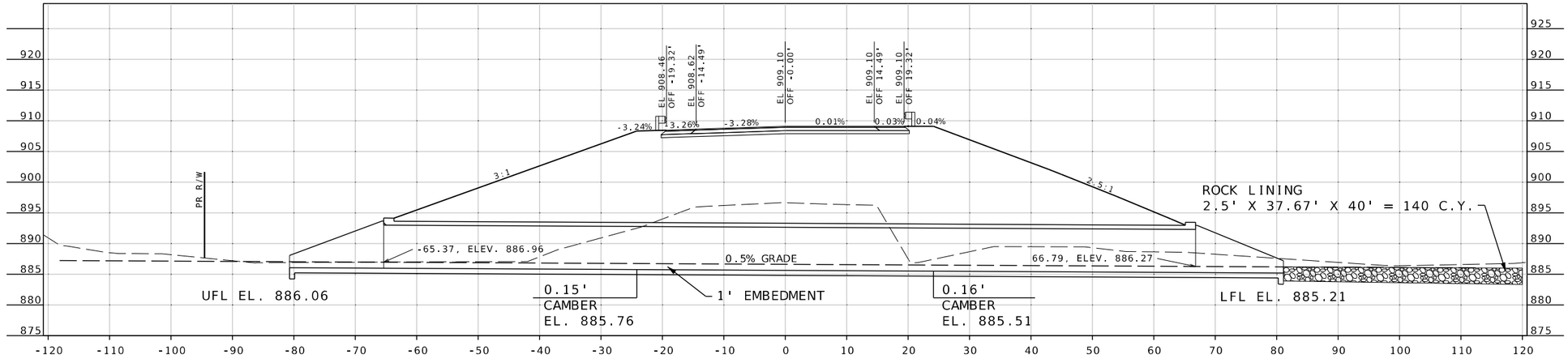


SCALE

0 100 200 300

STA. 872+15.22

DOUBLE PRECAST 7' X 7' X 162' RCB
W/ 1' EMBEDMENT
SKEW 34°06'39" L.A.
CLASS 4 ESC. = 369 C.Y.
FILL HT. = 16'
CLASS B-1 CONCRETE = 231 C.Y.
REINFORCING STEEL = 25,643 LBS.



SUBPROJECT A
CULVERT SECTIONS
RTE. 32 @ RTE. CC
SHEET 1 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	110

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

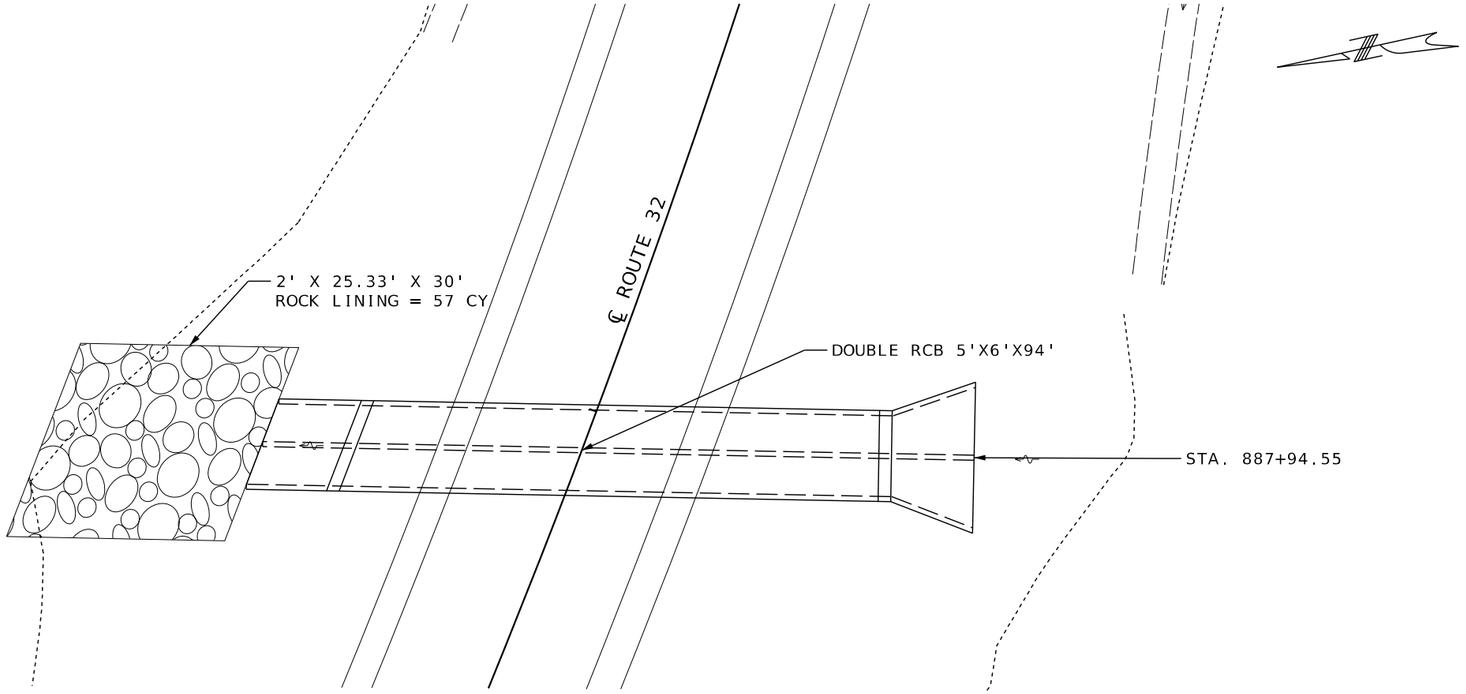
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

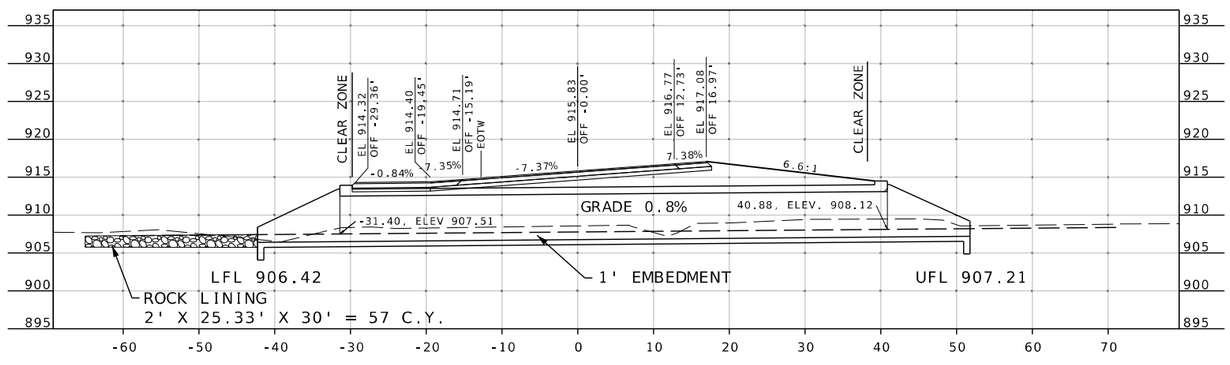
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



SCALE

0 10 20 30



STA. 887+94.55

DOUBLE 5' X 6' X 94' RCB
W/ 1' EMBEDMENT
SKEW 19°36'57" R.A.
CLASS 4 ESC. = 128 C.Y.
FILL HT. = 4'
CLASS B-1 CONCRETE = 89 C.Y.
REINFORCING STEEL = 9,570 LBS.

SUBPROJECT A
CULVERT SECTIONS
RTE. 32 @ RTE. CC
SHEET 2 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	111

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

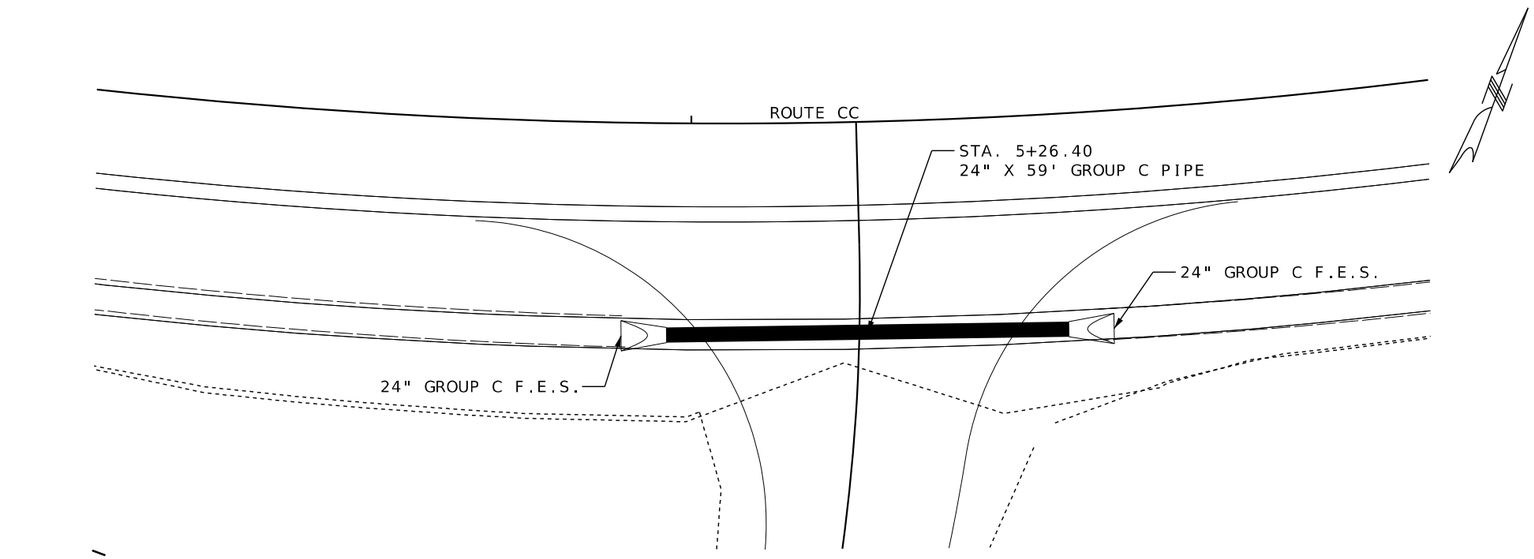
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

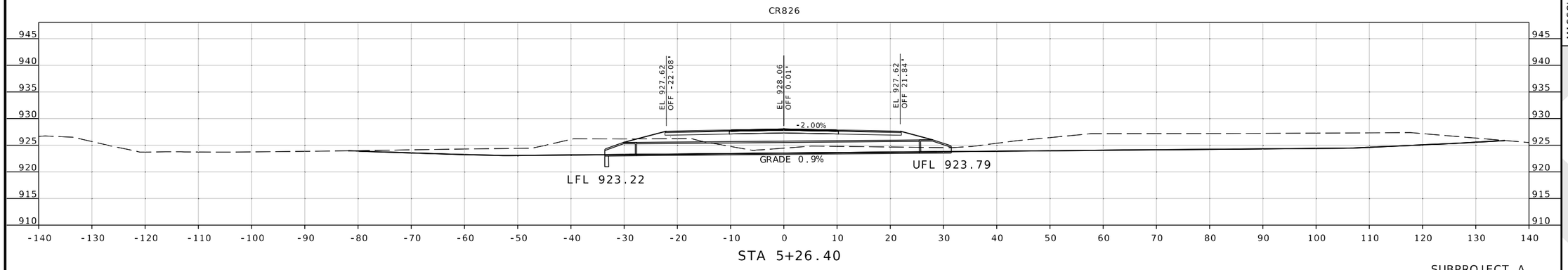
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



SCALE

0 10 20 30

STA. 5+26.40
24" X 59' GROUP C PIPE
2-24" GROUP C F.E.S.
NO SKEW
CLASS 3 EXC. = 1 C.Y.
FILL HT. = 2'



SUBPROJECT A
CULVERT SECTIONS
C.R. 825 @ RTE. CC
SHEET 3 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	112

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

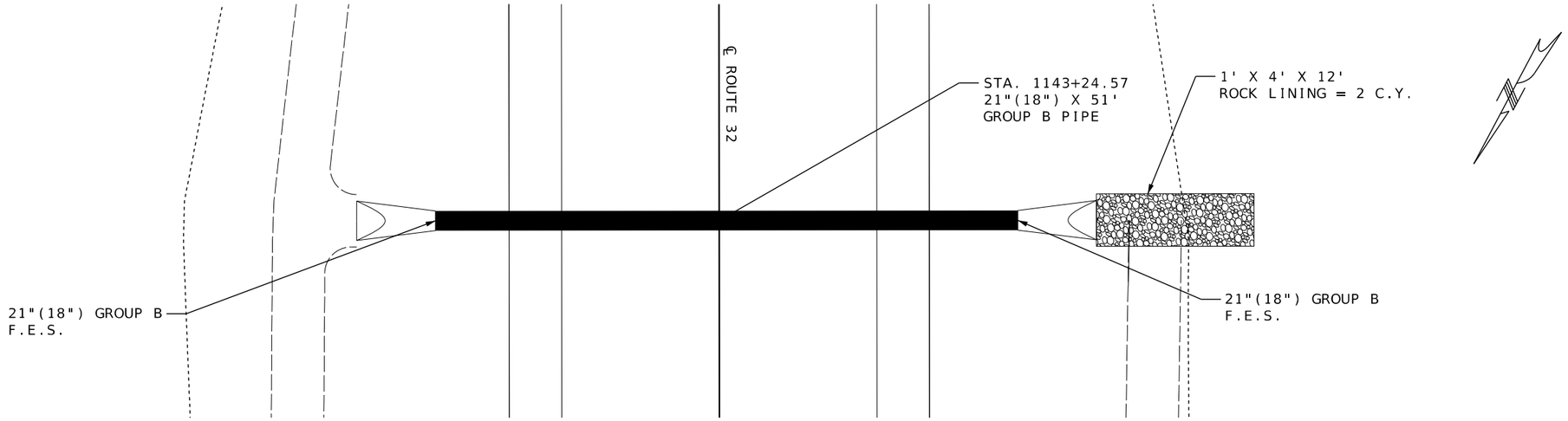
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

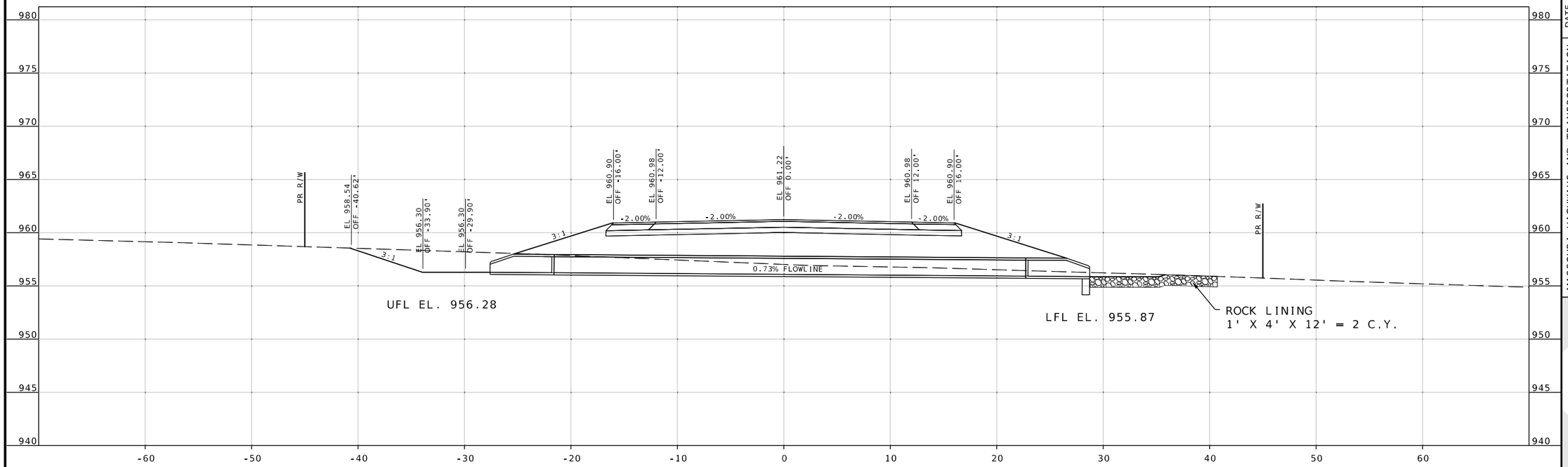
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



SCALE

0 10 20 30

STA. 1143+24.57
21" (18") X 51' GROUP B PIPE
2- 21"(18") GROUP B F.E.S.
NO SKEW
CLASS 3 EXC. = 13 C.Y.
FILL HT. = 4'



SUBPROJECT B
CULVERT SECTIONS
RTE. 32 @ CR 1350
SHEET 4 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	113

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

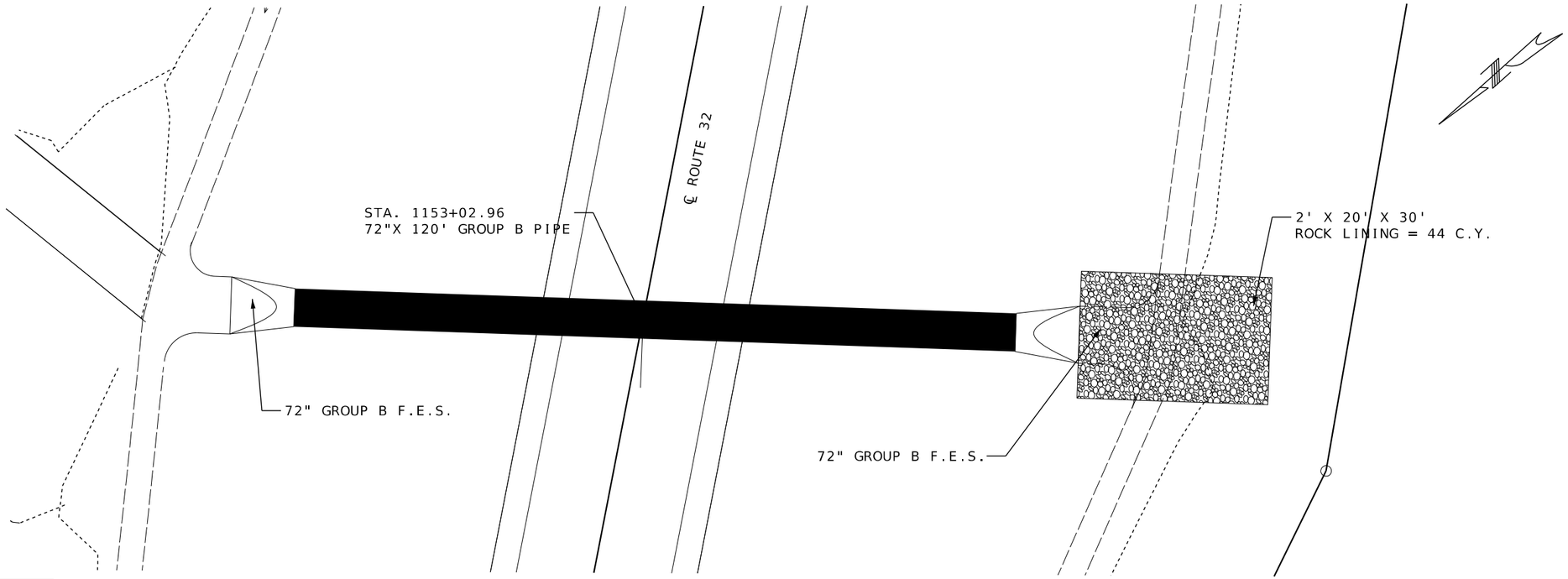
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

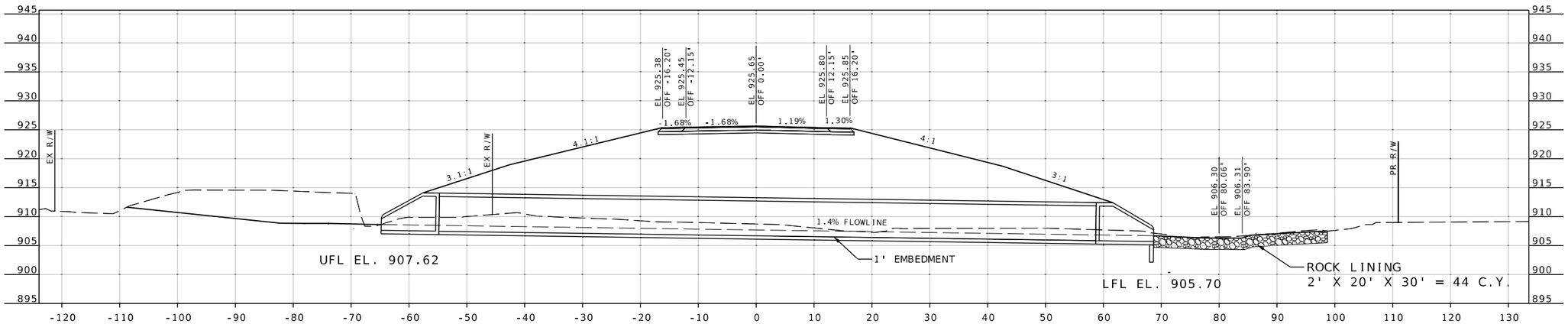


SCALE

0 10 20 30

STA. 1153+02.96

72" (72") x 120' GROUP B PIPE
2 - 72" (72") GROUP B F.E.S.
W/ 1' EMBEDMENT
SKEW 8°58'40" R.A.
CLASS 3 EXC. = 137 C.Y.
FILL HT. = 13'



SUBPROJECT B
CULVERT SECTIONS
RTE. 32 @ CR 1350
SHEET 5 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/31/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	114

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
-

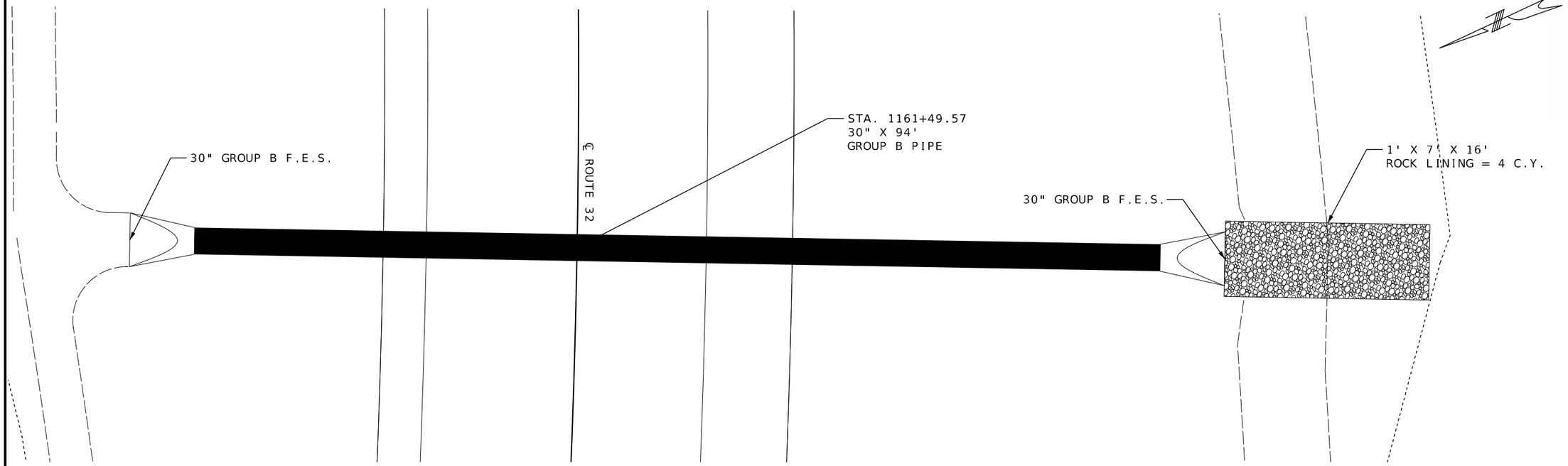
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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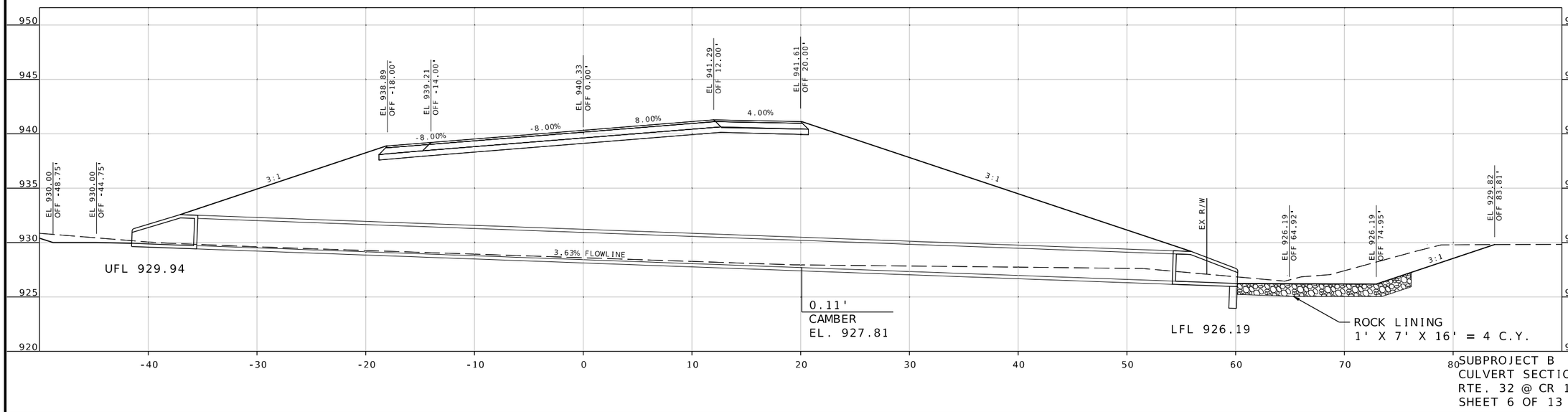


SCALE

0 10 20 30

STA. 1161+49.57

30" (30") x 94' GROUP B PIPE
2 - 30" (30") GROUP B F.E.S.
NO SKEW
CLASS 3 EXC. = 16 C.Y.
FILL HT. = 12'



SUBPROJECT B
CULVERT SECTIONS
RTE. 32 @ CR 1350
SHEET 6 OF 13

STATE OF MISSOURI
SEAN D. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/31/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	115

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
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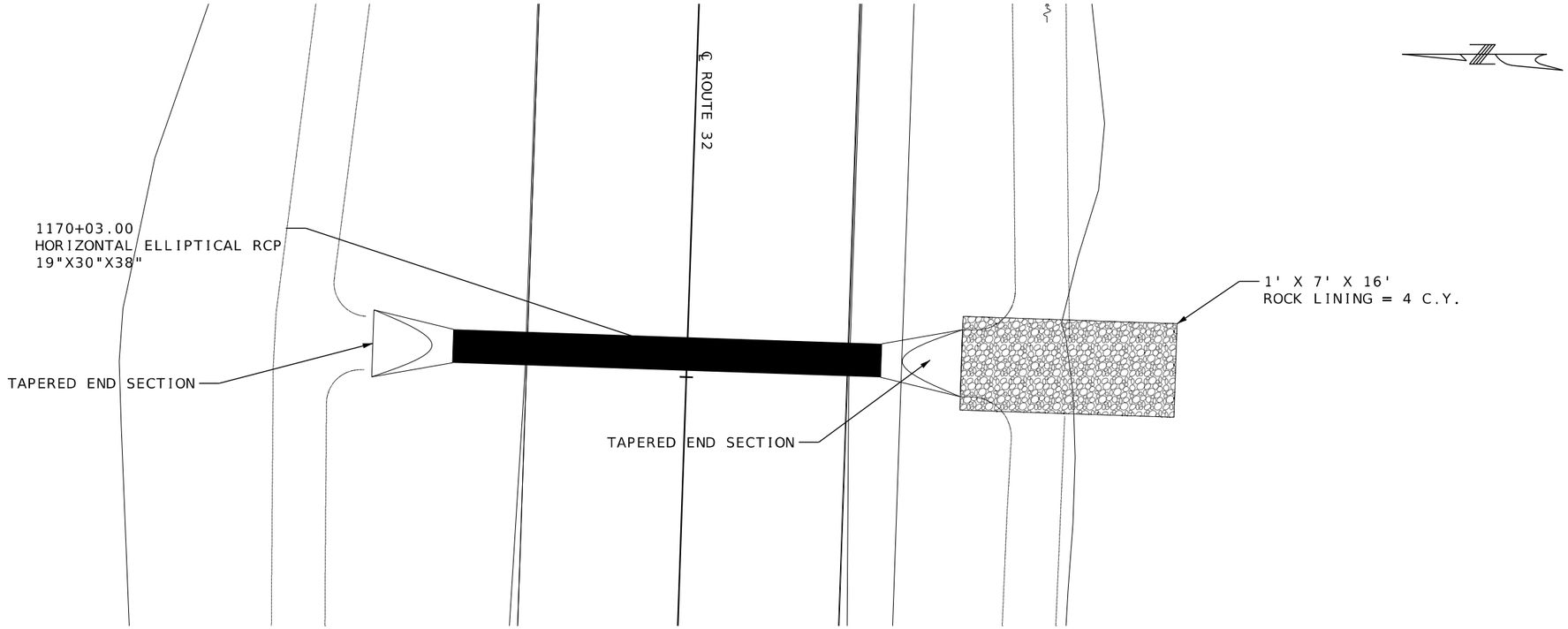
PROJECT NO.
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BRIDGE NO.

DESCRIPTION	DATE

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

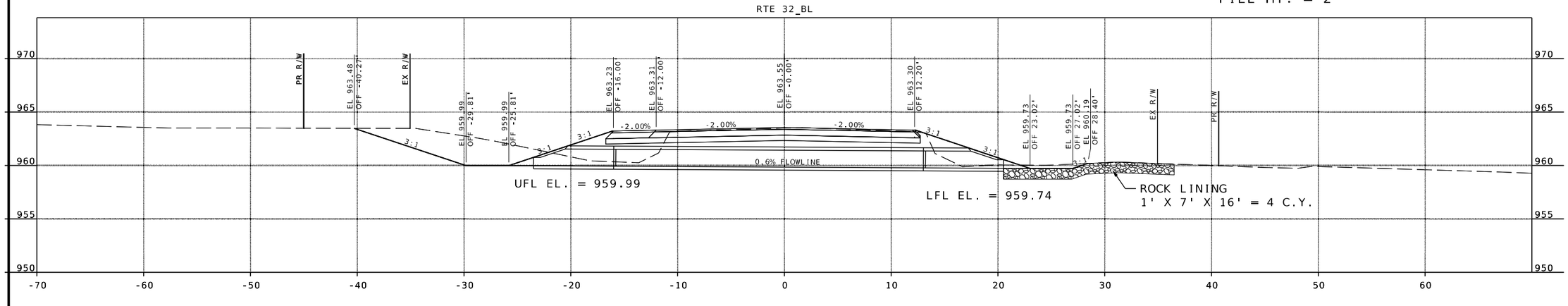
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
"Engineering beyond..."



SCALE

0 10 20 30

STA. 1170+03.00
19" x 30" x 38' ELLIPTICAL PIPE
2 - 19" x 30' F.E.S.
NO SKEW
CLASS 3 EXC. = 27 C.Y.
FILL HT. = 2'



SUBPROJECT B
CULVERT SECTIONS
RTE. 32 @ CR 1350
SHEET 7 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	116

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

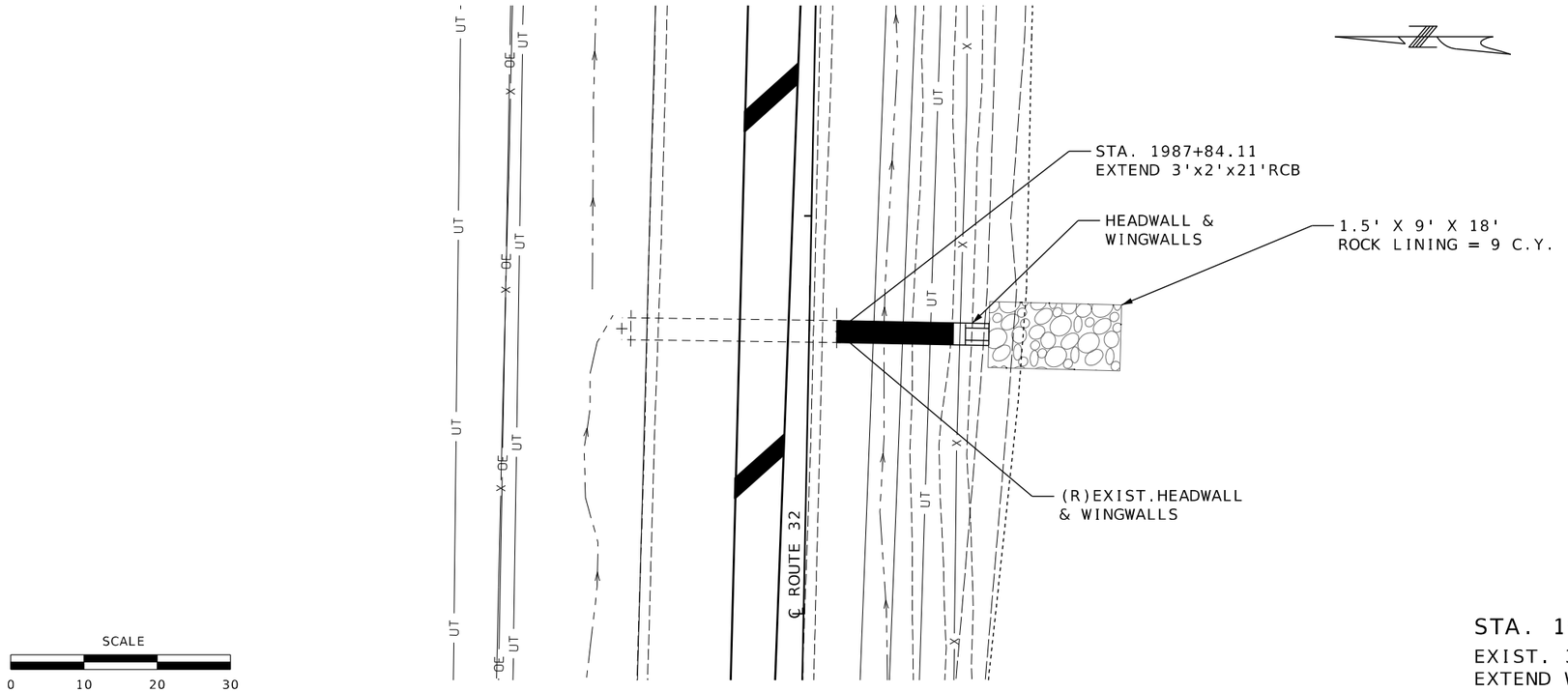
PROJECT NO.
-

BRIDGE NO.

DESCRIPTION	DATE

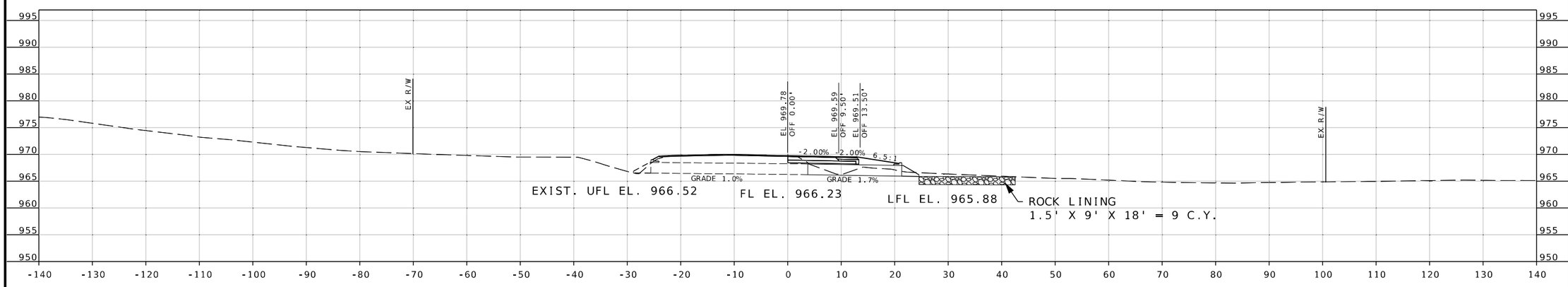
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
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STA. 1987+84.11

EXIST. 3' X 2' X 29' RCB
EXTEND WITH 3' X 2' X 21' RCB
MATCH EXIST. SKEW
CLASS 4 EXC. = 7 C.Y.
FILL HT. = 2'
CLASS B-1 CONCRETE = 9 C.Y.
REINFORCING STEEL = 1,309 LBS.



SUBPROJECT C
CULVERT SECTIONS
RTE. 32 @ RTE. 245
SHEET 8 OF 13

...\117_CS_08-13_JSR0059_Rte32-Rte245.dgn 5:23:36 PM 8/27/2026

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	117

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

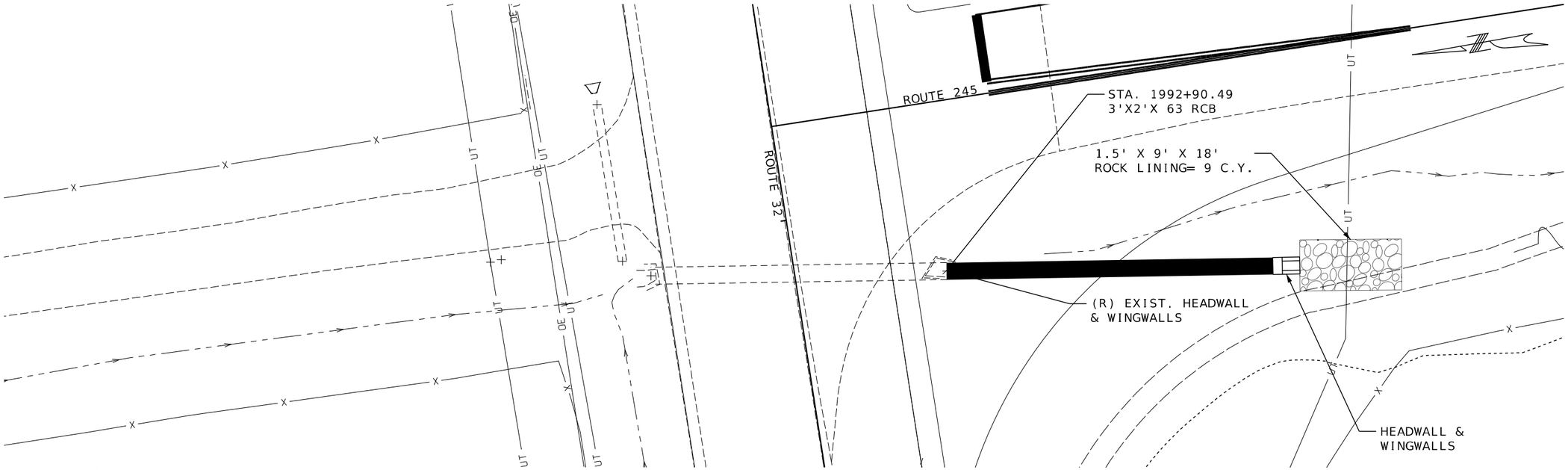
PROJECT NO.
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BRIDGE NO.

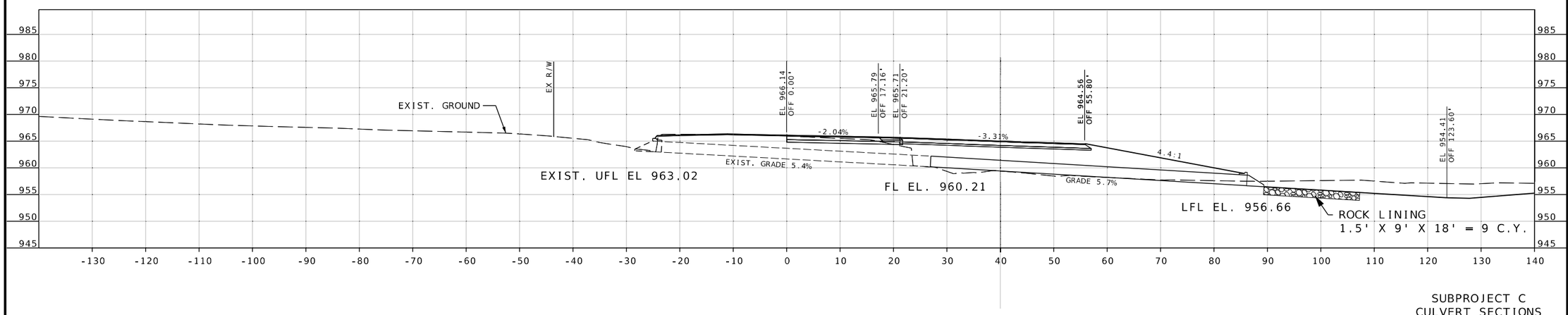
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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STA. 1992+90.49
EXIST. 3' X 2' X 52' RCB
EXTEND WITH 3' X 2' X 63' RCB
SKEW 7°55'27" L.A.
CLASS 4 EXC. = 4 C.Y.
FILL HT. = 5'
CLASS B-1 CONCRETE = 23 C.Y.
REINFORCING STEEL = 3,185 LBS.



SUBPROJECT C
CULVERT SECTIONS
RTE. 32 @ RTE. 245
SHEET 9 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	118

COUNTY
CEDAR/POLK

JOB NO.
JSR0059

CONTRACT ID.
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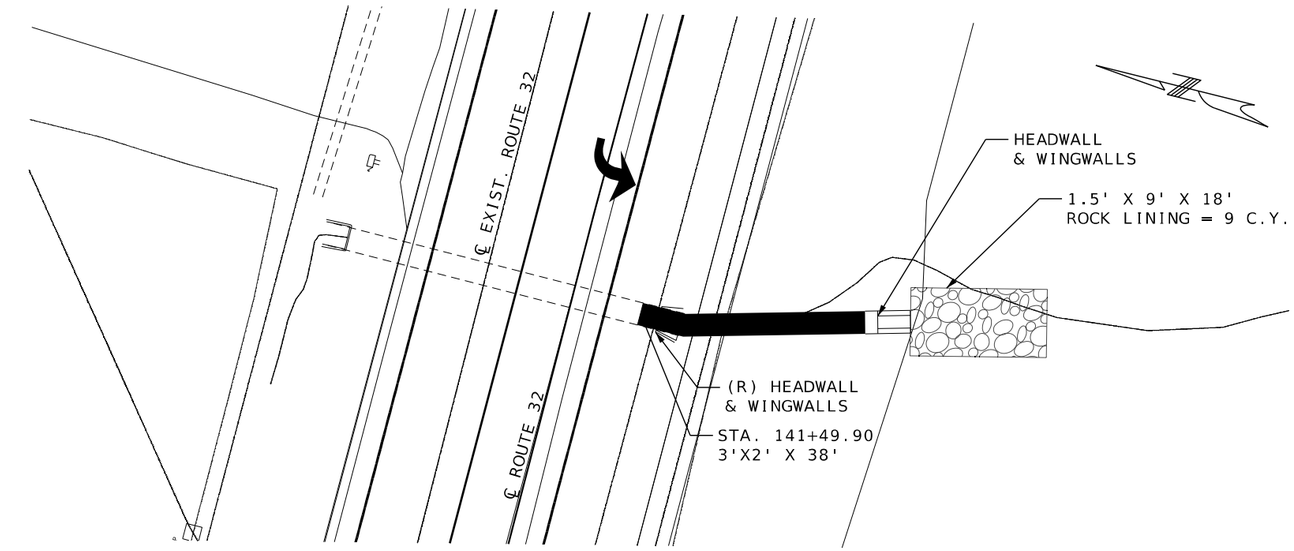
PROJECT NO.
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BRIDGE NO.

DESCRIPTION	DATE

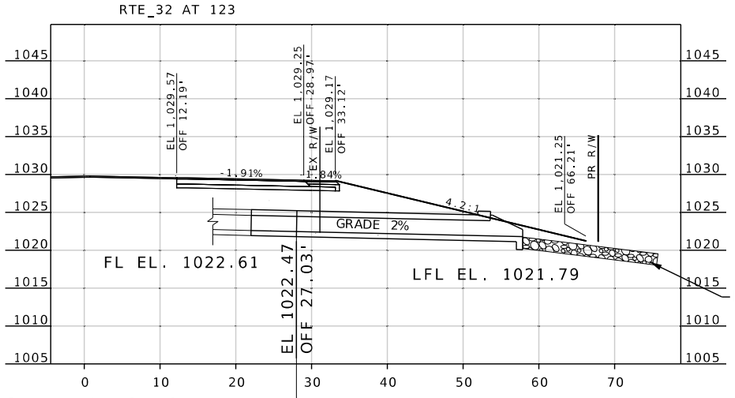
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

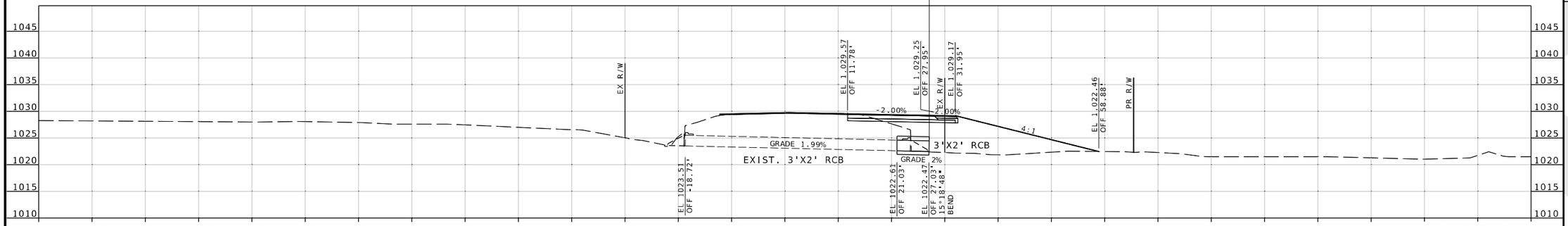
2215 Fairlawn Dr
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COA# 00062
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SCALE

0 10 20 30





STA. 141+49.90

EXIST. 3' X 2' X 42' RCB
EXTEND W/ 3' X 2' X 36' RCB
15°18'48" BEND
CLASS 4 EXC. = 25 C.Y.
FILL HT. = 5'
CLASS B-1 CONCRETE = 44 C,Y,
REINFORCING STEEL = 5,420 LBS.

SUBPROJECT D
CULVERT SECTIONS
RTE. 32 @ RTE. 123
SHEET 10 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	119

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

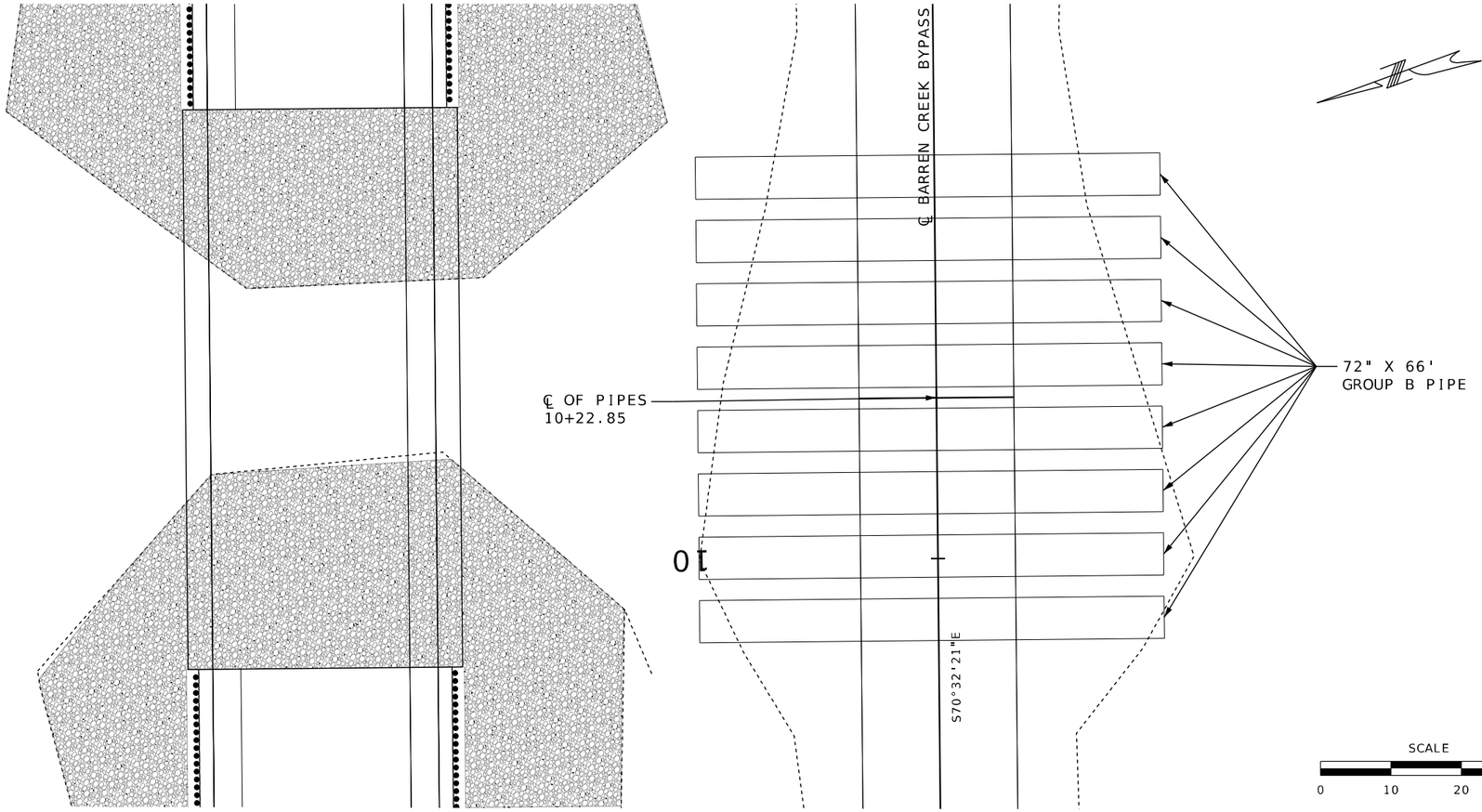
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

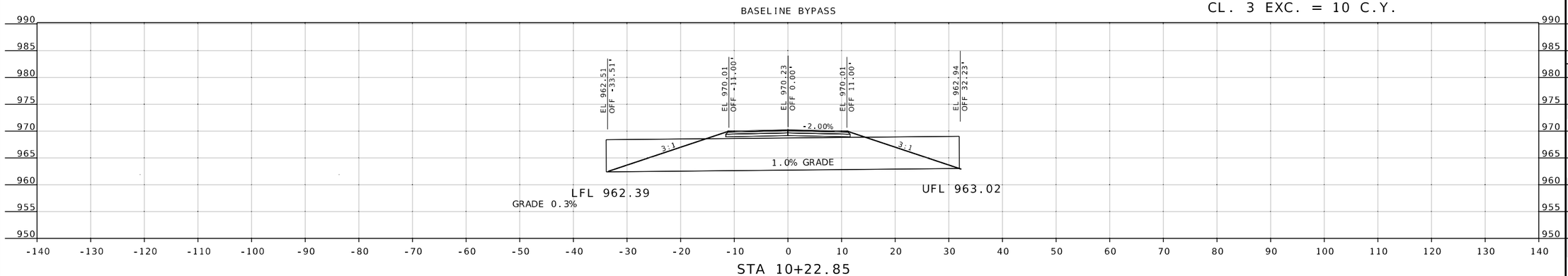
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.



STA. 10+22.85

8-72" X 66' TEMPORARY GROUP B PIPES
NO SKEW
CL. 3 EXC. = 10 C.Y.



SUBPROJECT E
CULVERT SECTIONS
ROUTE 32 BYPASS, BARREN CR.
SHEET 11 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	120

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

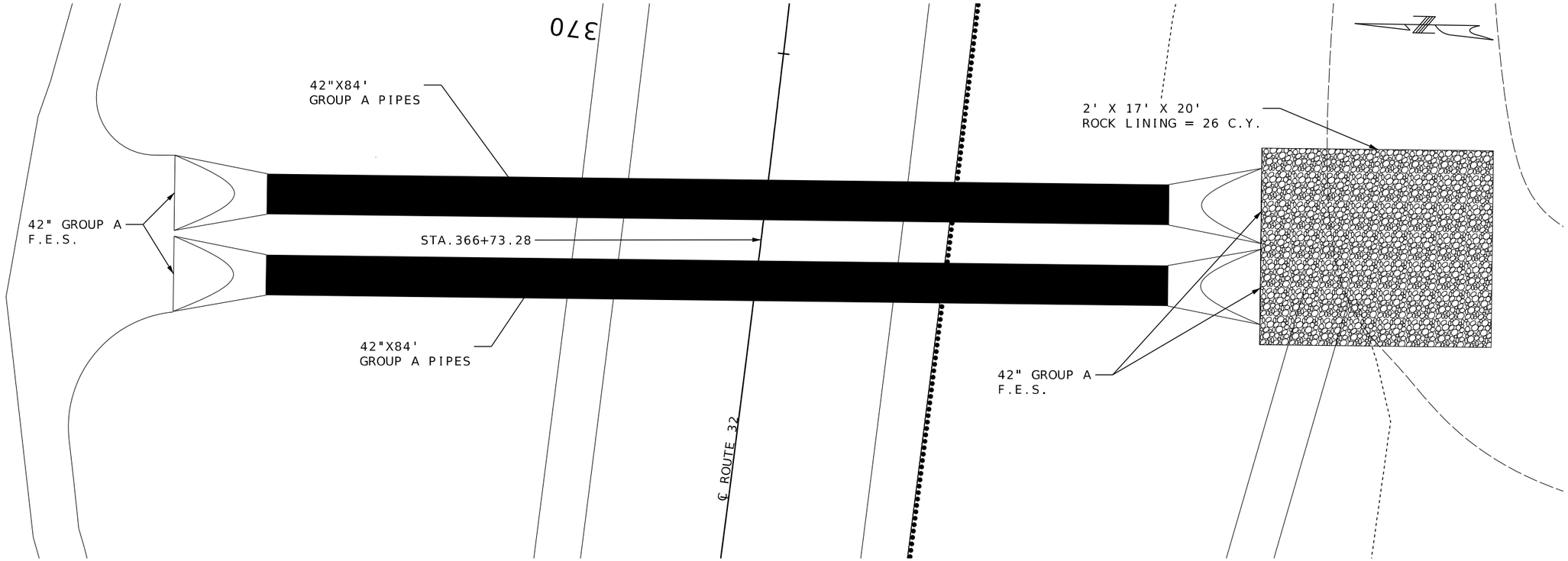
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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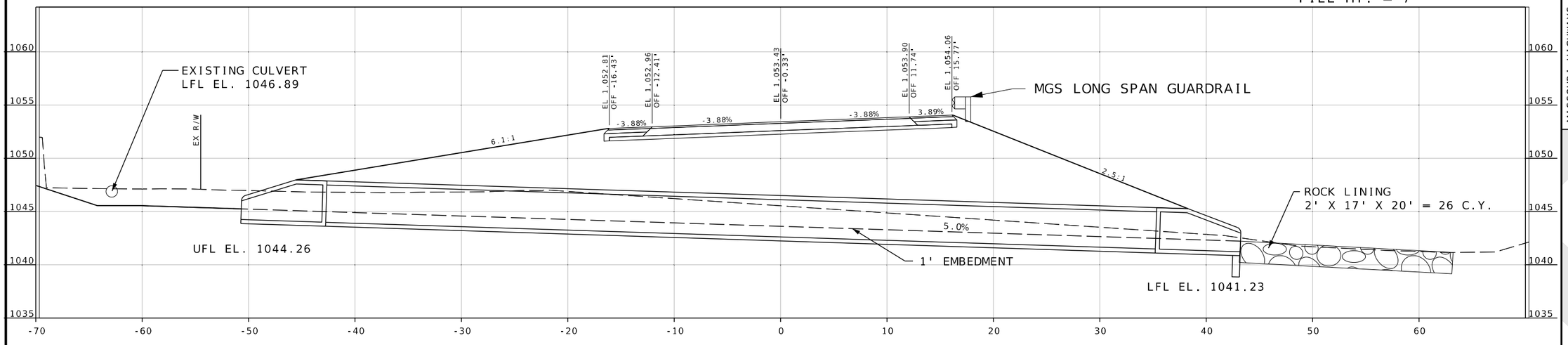


SCALE

0 10 20 30

STA. 369+83.75

SKEW 6°19'07" R.A.
2-42" X 84' GROUP A PIPES
W/ 1' EMBEDMENT
4-42" F.E.S.
CLASS 3 EXC. = 120 C.Y.
FILL HT. = 7'



SUBPROJECT F
CULVERT SECTIONS
ROUTE 32
SHEET 12 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	121

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

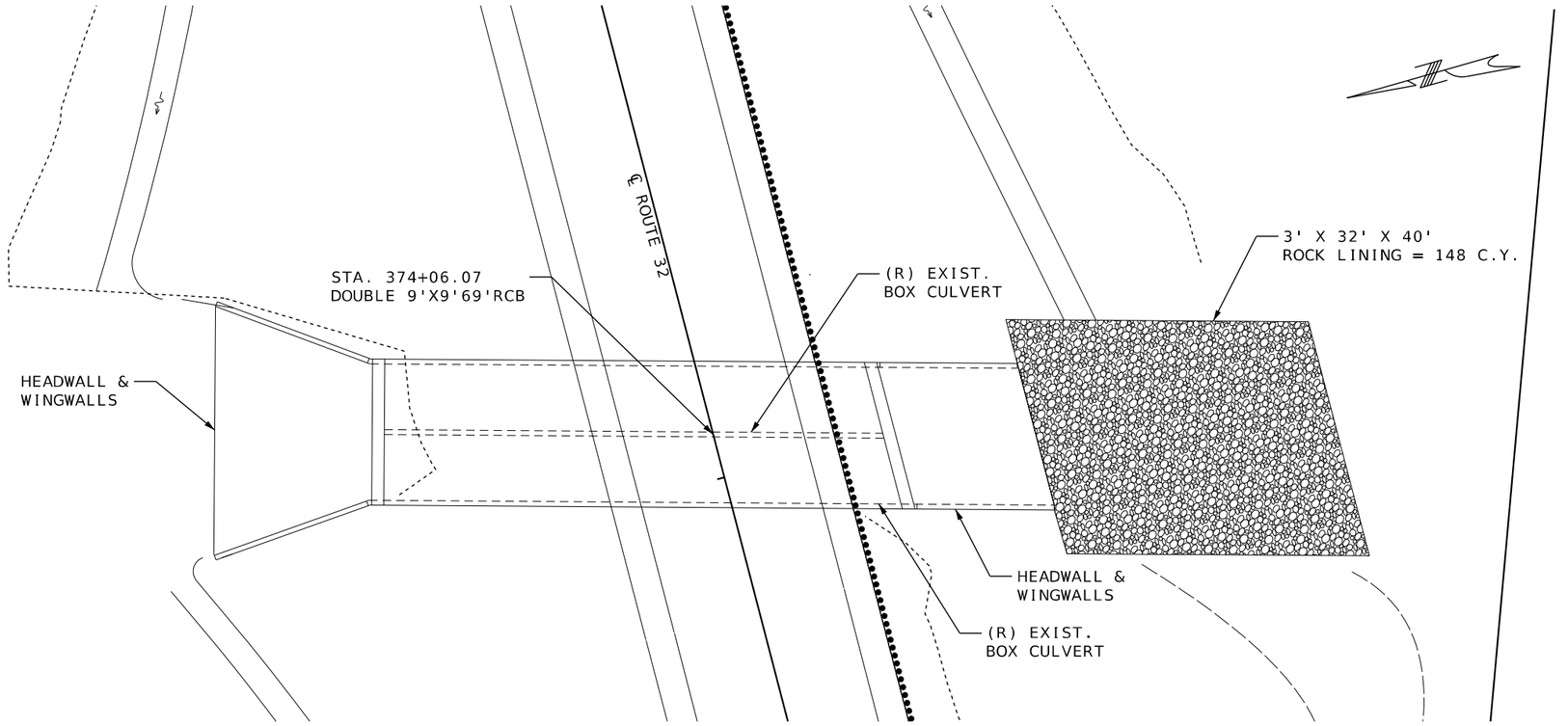
PROJECT NO.
-

BRIDGE NO.

DATE	DESCRIPTION

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

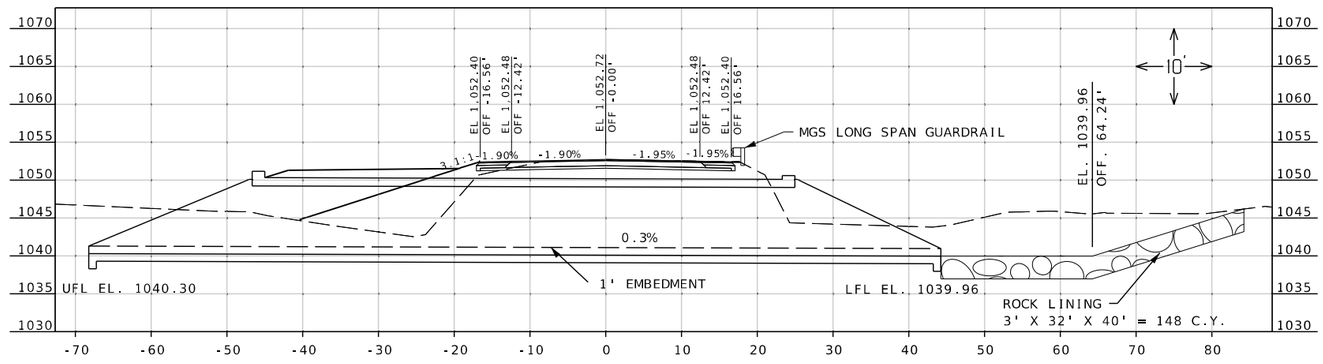
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



SCALE

0 10 20 30

STA. 374+06.07
REFER TO BRIDGE SHEET 1
BRIDGE NO. A9813



SUBPROJECT F
CULVERT SECTIONS
RTE. 32
SHEET 13 OF 13

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
8/27/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
SW	122

COUNTY
CEDAR / POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.

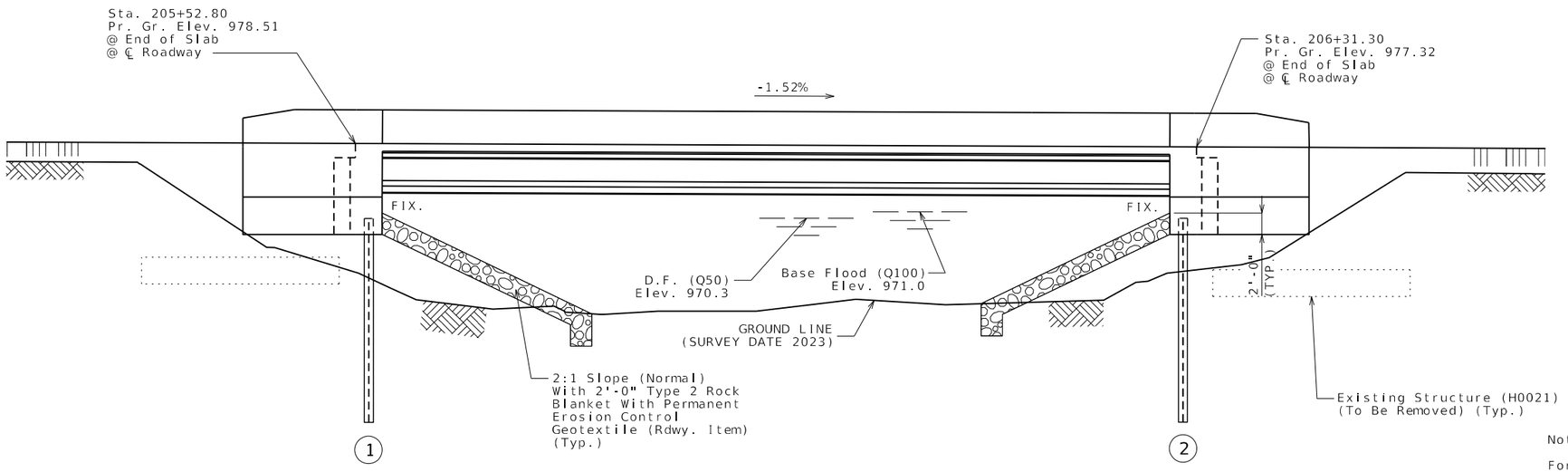
DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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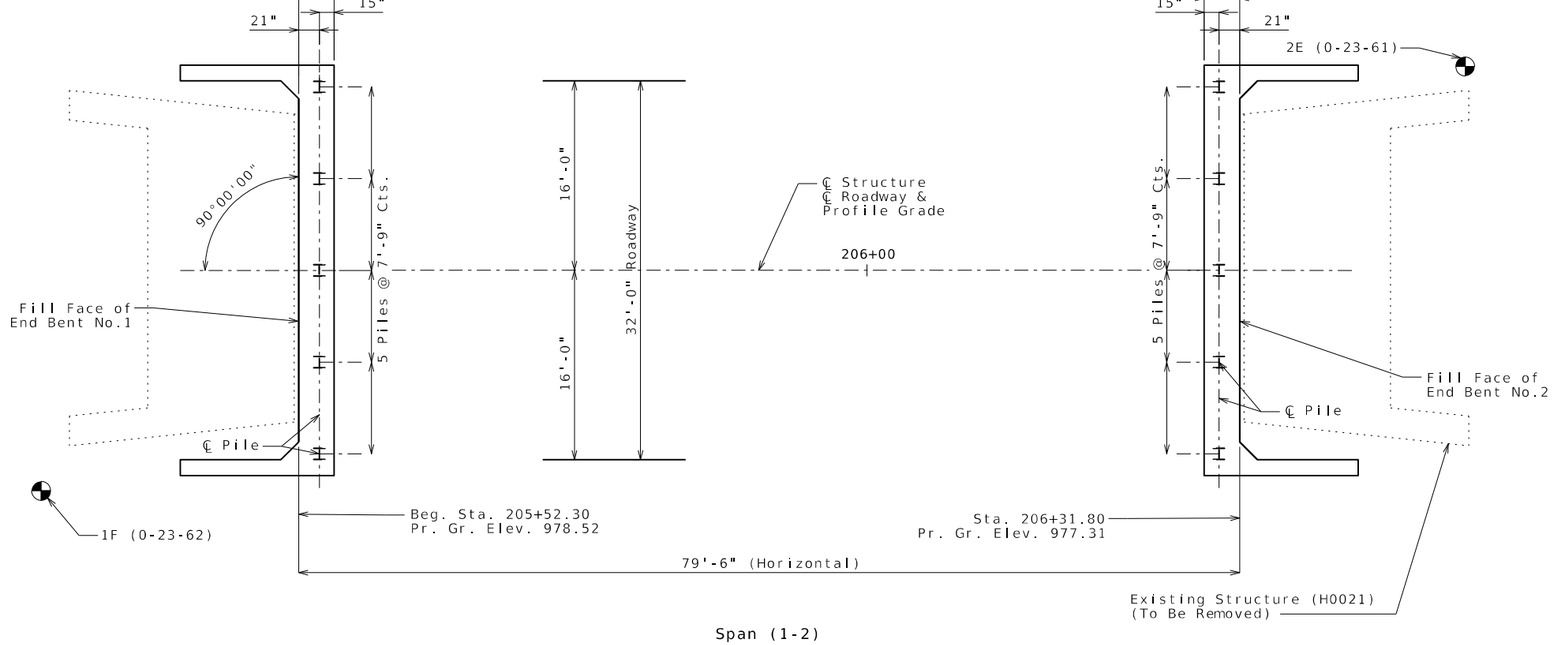
(76') PRESTRESSED CONCRETE I-GIRDER SPAN

SEC/SUR 3 TWP 33N RGE 24W



GENERAL ELEVATION

Roadway fill shall be completed to the final roadway section and up to the elevation of the bottom of the concrete beam aithin the limits of the sctructure and for not less than 25 feet in back of the fill face of the end bents before any piles are driven for any bents falling within the embankment section.



Span (1-2)

PLAN

Note:

For General Notes, Location Sketch, Hydrolic Data, Foundation Data, Estimated Quantities and Estimated Quantities for Slab on Concrete I-Girder, see Sheet No. 2.

℄ Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the department for the design of the project, are shown on Sheet(s) No. 20 and may be included in the Electronic Bridge Deliverables. They will also be available from the Project Contact upon written request. No greater significance or weight should be given to the boring data depicted on the plan sheets than is given to the subsurface data available from the district or elsewhere.

The Commission does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this project. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data depicted here or those available from the district, or on any other documentation not expressly warranted, which the contractor may obtain from the Commission.

B.M. #1 Elev. 993.33 Iron pin aluminum monument
1741± feet west of bridge north side of Rte. 32.
Station 188+12.05, 30.00' LT

B.M. #2 Elev. 986.21 Magnetic spike in corner post
846± feet east of bridge south side of Rte. 32.
Station 215+07.07, 56.84' RT

C.P. #569 Elev. 983.96 ⅜" IB with aluminum cap
853± feet east of bridge south side of Rte. 32.
Station 214+84.54, 46.14' RT

Bridge: Route 32 over Barren Creek

Route 32 from Route 123 to Route 13
about 1.3 miles east of Route 123
beginning station 205+52.30

STATE OF MISSOURI
SEAN W. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
10/7/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
BR	1

COUNTY
POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
A9327

DESCRIPTION	DATE

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

Engineering beyond.™

Designed: March 2024
Detailed: March 2024
Checked: August 2026

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

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Estimated Quantities

Item		Substr.	Superstr.	Total
Removal of Bridges (H0021)	lump sum			1
Bridge Approcah Slab (Minor)	sq. yard		142	142
Galvanized Structural Steel Piles (12 in.)	linear foot	170		170
Pre-Bore For Piling	linear foot	150		150
Pile Point Reinforcement	each	10		10
Class B Concrete (Substructure)	cu. yard	34.6		34.6
Slab on Concrete I-Girder	sq. yard		303	303
Type D Barrier	linear foot		100	100
Type 4 (45 in.), Prestressed Concrete I-Girder	linear foot		309	309
Steel Intermediate Diaphragm for P/S Concrete Girders	each		3	3
Vertical Drain at End Bents	each		2	2
Laminated Neoprene Bearing Pad (Tapered)	each		8	8

All concrete above the construction joint in the end bents is included in the Estimated Quantities for Slab on Concrete I-Girder.

All reinforcement in the end bents is included in the Estimated Quantities for Slab on Concrete I-Girder.

Foundation Data

Type	Design Data		Bent Number 1	Bent Number 2
Load Bearing Pile	Pile Type and Size		HP 12x53	HP 12x53
	Number	ea	5	5
	Approximate Length Per Each	ft	17'	17'
	Pile Point Reinforcement	ea	ALL	ALL
	Min. Galvanized Penetration (Elev.)	ft	Full Length	Full Length
	Pile Driving Verification Method		DF	DF
	Resistance Factor		0.4	0.4
	Minimum Nominal Axial Compressive Resistance	kip	574	574

DF = FHWA-modified Gates Dynamic Pile Formula

Load Bearing Pile: Minimum Nominal Axial Compressive Resistance = $\frac{\text{Maximum Factored Loads}}{\text{Resistance Factor}}$

All piles shall be galvanized down to the minimum galvanized penetration (elevation).

Pile Point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

Prebore for piles at Bents No. 1 and 2 to elevations 954.99 and 953.83, respectively.

HP piles are anticipated to be driven to refusal on rock. Review all borings for depth of rock and restrict driving as appropriate to comply with hard rock driving criteria in accordance with Sec 702. When pile refusal on rock occurs, as approved by the engineer, the minimum nominal axial compressive resistance is verified and no additional pile driving verification method is required.

General Notes:

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

Design Loading:
Vehicular = HL-93
Future Wearing Surface = 35 lb/sf
Earth = 120 lb/cf
Equivalent Fluid Pressure = 45 lb/cf (Min.)
Superstructures: Non-Composite for dead load.
Composite for live load.

Design Unit Stresses:

Class B Concrete (Substructure)	f'c = 3,000 psi
Class B-2 Concrete (Superstructure, except Prestressed Girders and Barrier)	f'c = 4,000 psi
Class B-1 Concrete (Barrier)	f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60)	f'c = 60,000 psi
Structural Steel HP Pile (ASTM A709 Grade 50)	f'c = 50,000 psi

For precast prestressed panels stresses, see Sheet No. 12.
For prestressed girder stresses, see Sheet No. 10.

Neoprene Pads:
Neoprene bearing pads shall be 60 durometer and shall be in accordance with Sec 716.

Joint Filler:
All joint filler shall be 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.

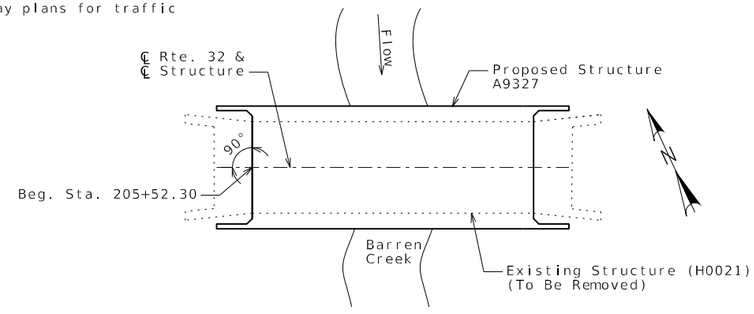
Traffic Handling:
Structure to be closed during construction. Traffic to be maintained on temporary bypass during construction. See roadway plans for traffic control.

Miscellaneous:
MoDOT Construction personnel will indicate the type of joint filler option used under the precast panels for this structure:

☐ Constant Joint Filler
☐ Variable Joint Filler

Hydrologic Data

Drainage Area = 6.3 mi²
Design Flood Frequency = 50 years
Design Flood Discharge = 3,370 cfs
Design Flood (D.F.) Elevation = 970.3
Base Flood (100-year)
Base Flood Elevation = 971.0
Base Flood Discharge = 3,960 cfs
Estimated Backwater = 2.0 ft
Average Velocity thru Opening = 12.8 ft/s
Freeboard (50-year)
Freeboard = 2.0 ft
Roadway Overtopping
Overtopping Flood Discharge = 9,820 cfs
Overtopping Flood Frequency = >500 years
Overtopping Flood Elevation = 972.5



Estimated Quantities for Slab on Concrete I-Girder

Item		Total
Class B-2 Concrete	cu. yard	112
Reinforcing Steel (Epoxy Coated)	pound	22,250

The table of Estimated Quantities for Slab on Concrete I-Girder represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for prestressed panels, conventional forms, all concrete and epoxy coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

The prestressed panel quantities are not included in the table of Estimated Quantities for Slab on Concrete I-Girder.

Class B-2 Concrete quantity is based on minimum top flange thickness and minimum joint material thickness.

STATE OF MISSOURI
SEAN M. WATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
10/7/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
BR	2

COUNTY
POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
A9327

DESCRIPTION	DATE

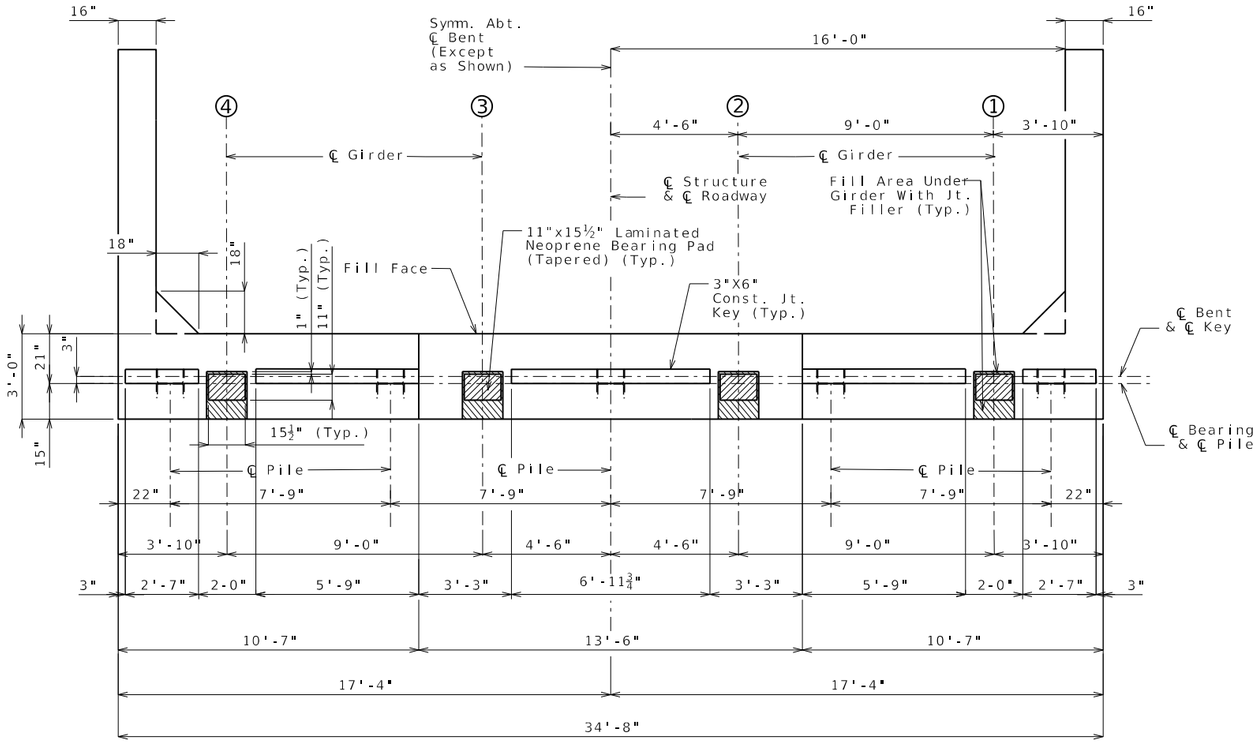
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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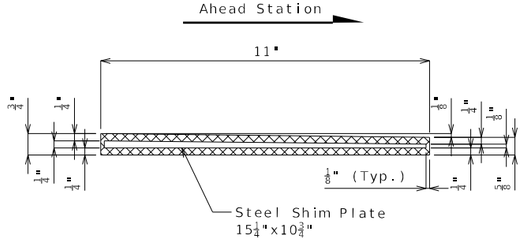
Detailed: March 2024
Checked: August 2026

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

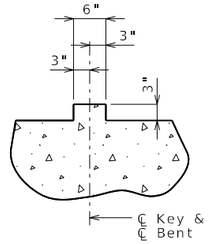
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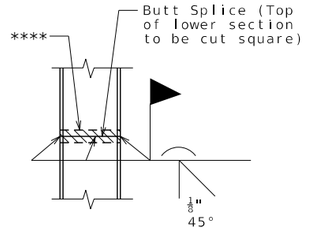
PLAN OF BEAM



LAMINATED NEOPRENE BEARING PADS (TAPERED)



SECTION THRU KEY

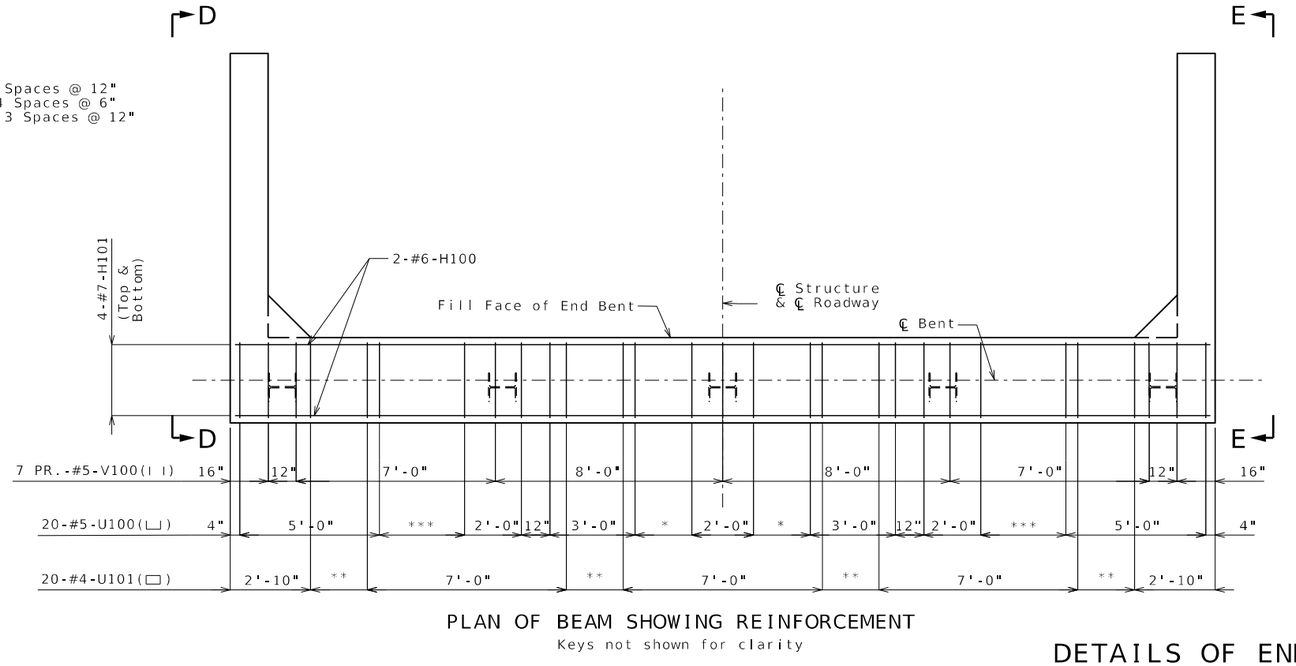


STEEL PILE SPLICE

(If required)

**** Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.

Notes:
* - 2 Spaces @ 12"
** - 4 Spaces @ 6"
*** - 3 Spaces @ 12"



PLAN OF BEAM SHOWING REINFORCEMENT

Keys not shown for clarity

General Notes:

Work this sheet with Sheets No. 4 & 5.

Reinforcing steel shall be shifted to clear piles. U bars shall clear piles by at least 1 1/2 inches.

Substructure Quantity Table for Bent No. 1

Item		Quantity
Galvanized Structural Steel Piles (12 in.)	linear foot	85
Pre-Bore for Piling	linear foot	75
Pile Point Reinforcement	each	5
Class B Concrete (Substructure)	cu. yard	17.3

These quantities are included in the Estimated Quantities table on Sheet No. 2.

DETAILS OF END BENT NO. 1

Detailed: March 2024
Checked: August 2026

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

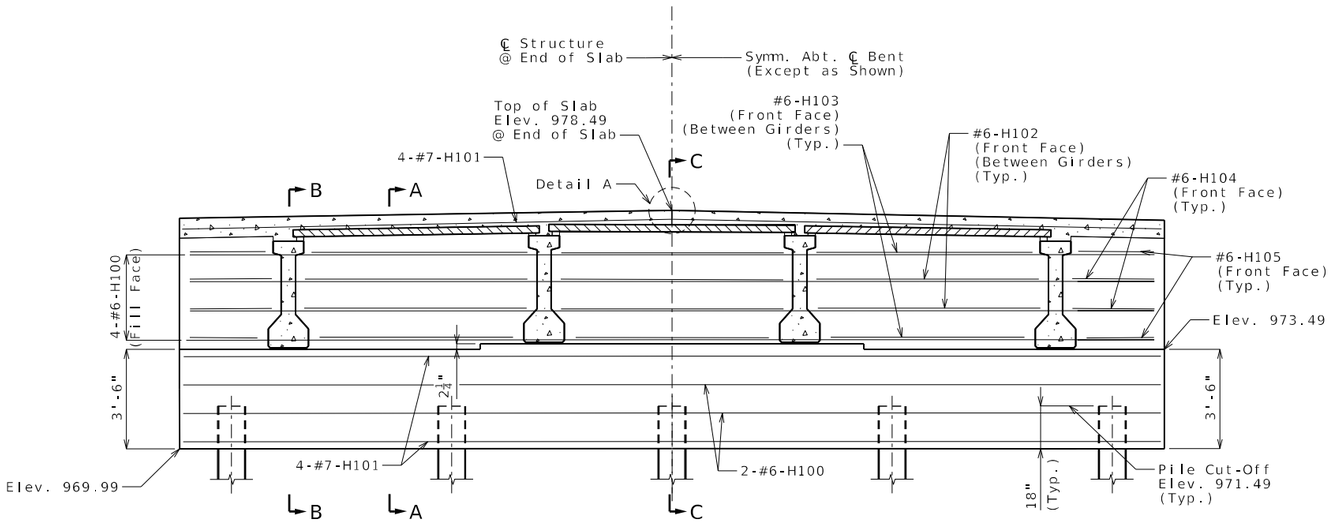
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 3
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

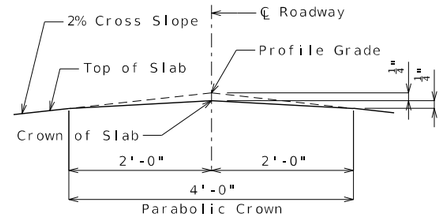
DESCRIPTION | DATE

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MoDOT

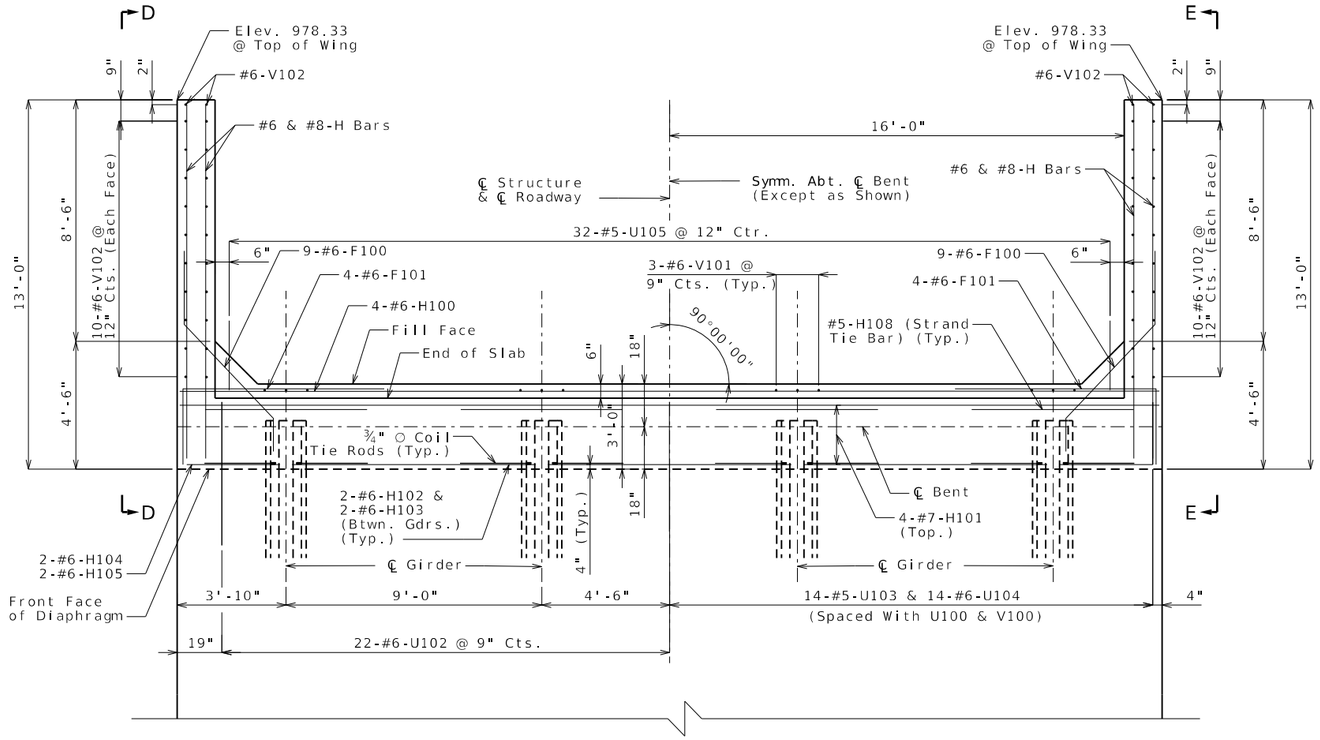
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SECTION NEAR END BENT



DETAIL A



PART PLAN

DETAILS OF END BENT NO. 1

General Notes:

Work this sheet with Sheets No. 3 & 5.

The #6-F100 and #6-F102 bars shall be bent in the field to clear girders.

All concrete in the end bent above top of beam and below top of slab shall be class B-2.

Strands at the end of girders shall be field bent or, if necessary, cut in field to maintain 1 1/2 inch minimum clearance to fill face of end bent.

For location of coil tie rods and #5-H108 (strand tie bar), see Sheet No. 10.

For details of vertical drain at end bents, see Sheet No. 6.

For details of bridge approach slab, see Sheet No. 17.

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
10/6/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
BR	4

COUNTY
POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
A9327

DESCRIPTION	DATE

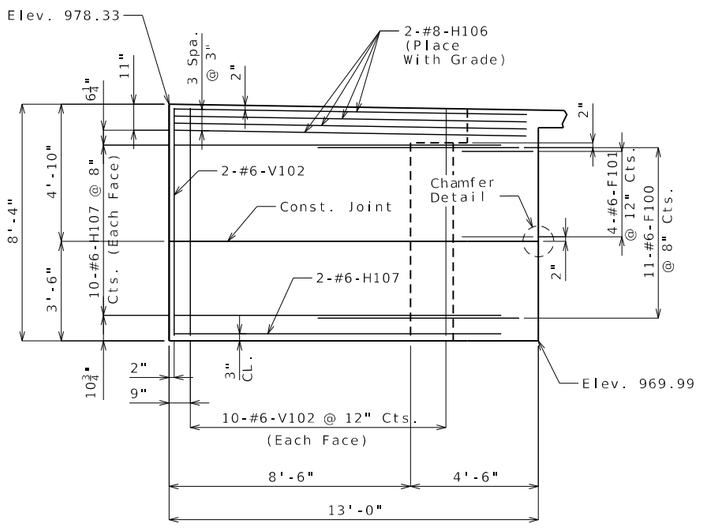
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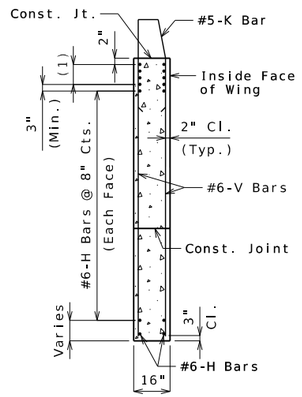
Detailed: March 2024
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Note: This drawing is not to scale. Follow dimensions.

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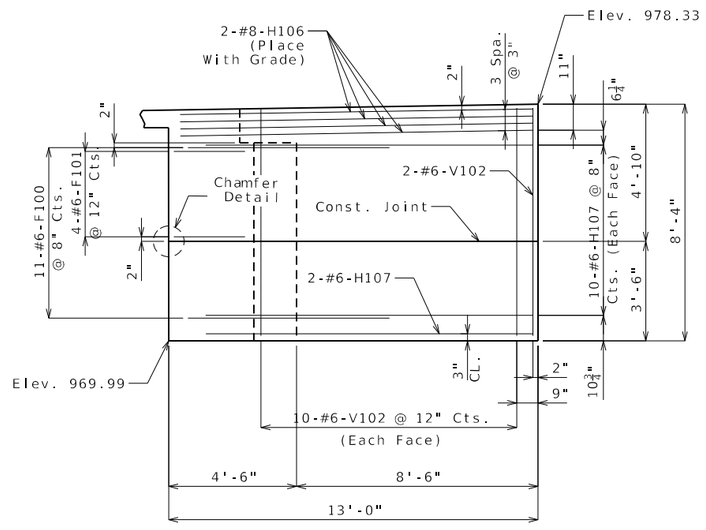


ELEVATION D-D

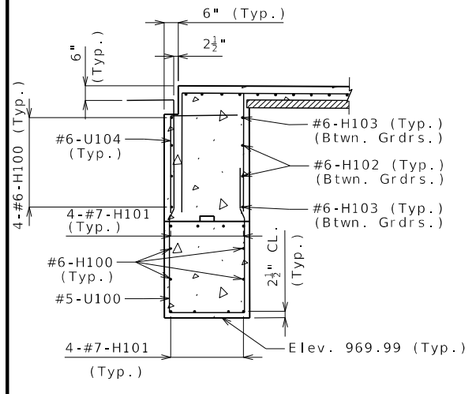


TYPICAL SECTION THRU WING

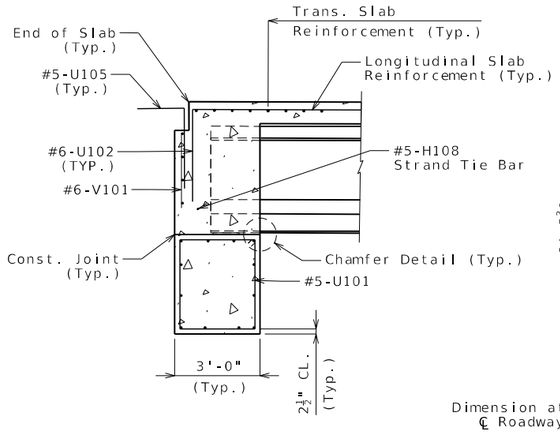
(1) #8-H Bars at 3" cts. (Each face)(Place with grade)



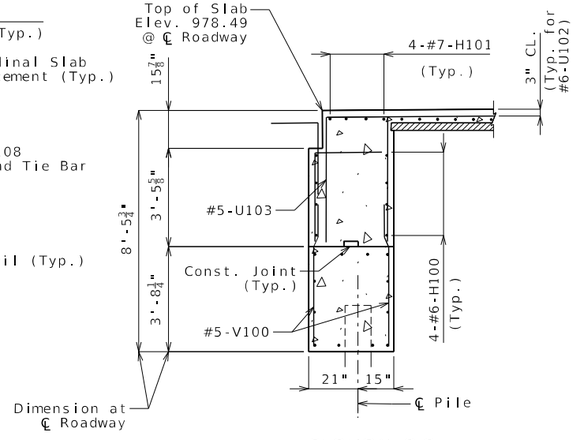
ELEVATION E-E



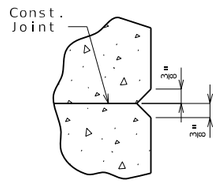
SECTION A-A



SECTION B-B



SECTION C-C



CHAMFER DETAIL

General Notes:

Work this sheet with Sheets No. 3 & 4

For reinforcement of the barrier, see Sheet No. 16.

DETAILS OF END BENT NO. 1

Detailed: March 2024
Checked: August 2026

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

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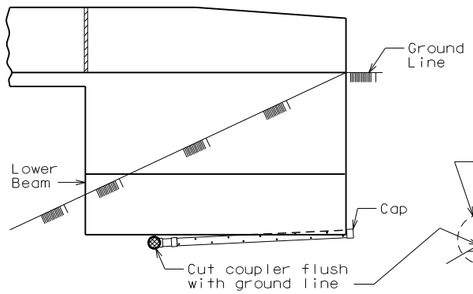
STATE OF MISSOURI
SEAN J. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 32 | STATE: MO
DISTRICT: BR | SHEET NO.: 5
COUNTY: POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: A9327

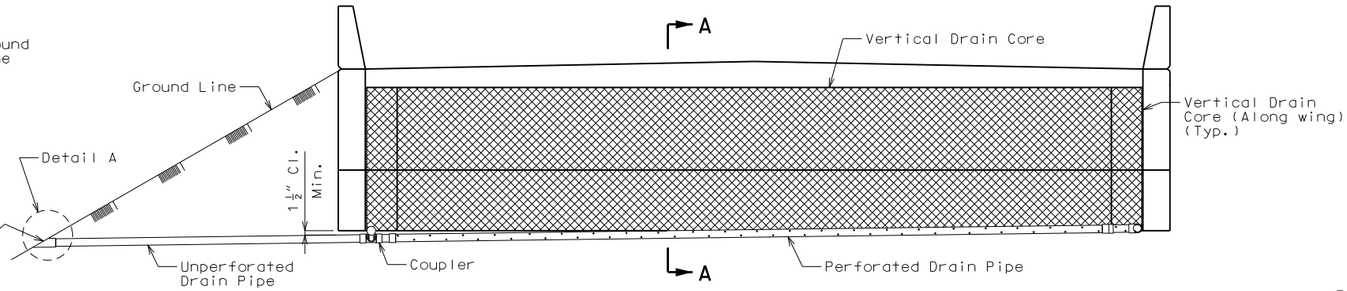
DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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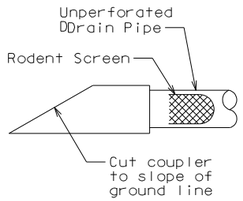
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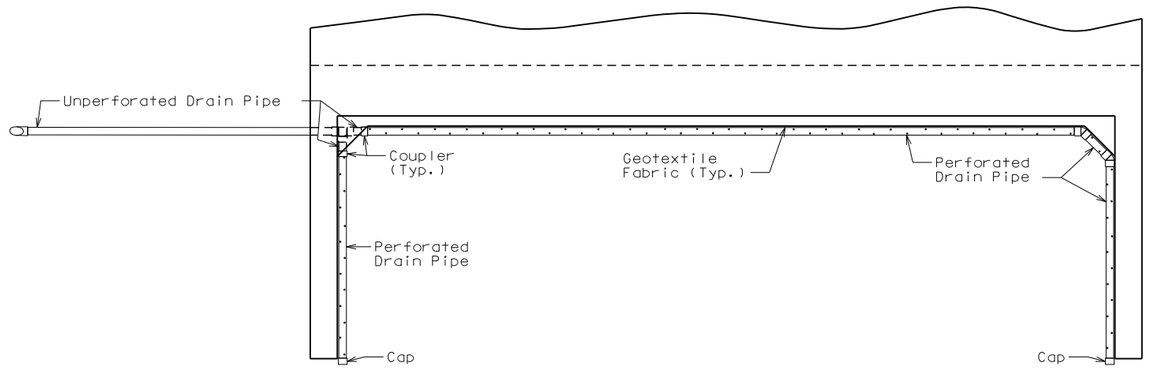
ELEVATION OF WING



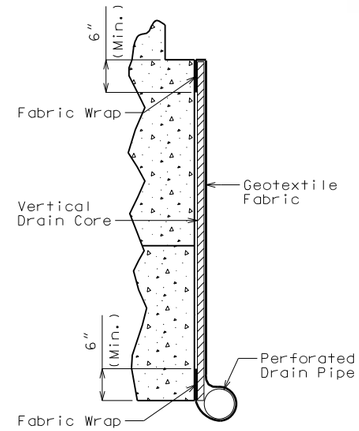
ELEVATION OF END BENT



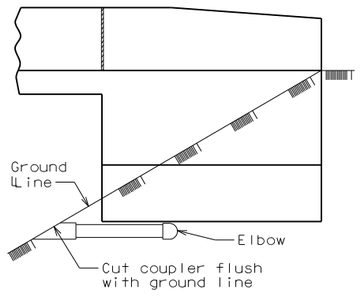
DETAIL A



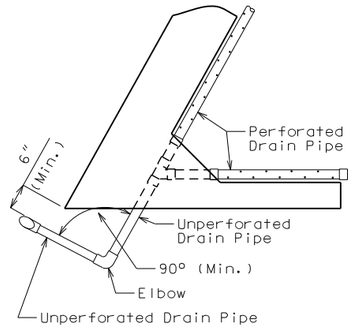
PLAN OF END BENT



PART SECTION A-A
(Section thru wing similar)



ELEVATION OF WING



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 and inside face of wings. 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 and inside face of wings 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

(Squared end bent shown, skewed end bent similar)

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NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 32 | STATE: MO
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COUNTY: POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: A9327

DESCRIPTION | DATE

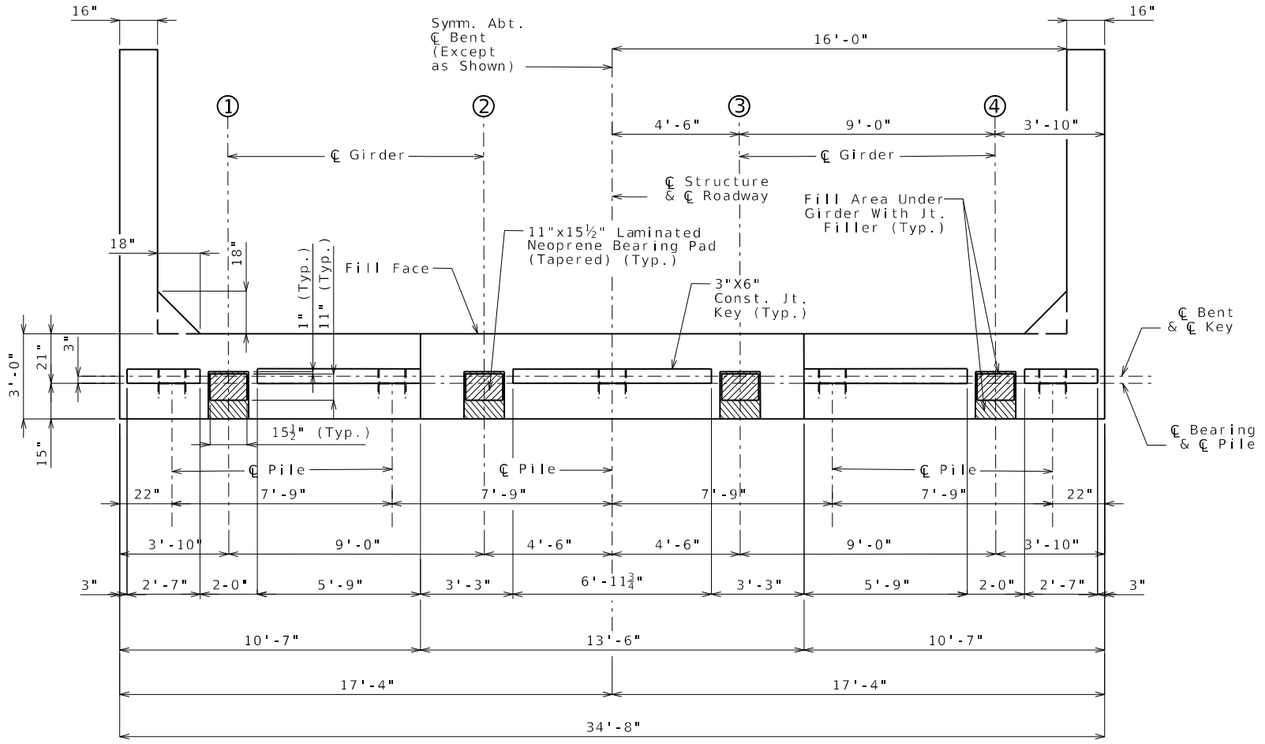
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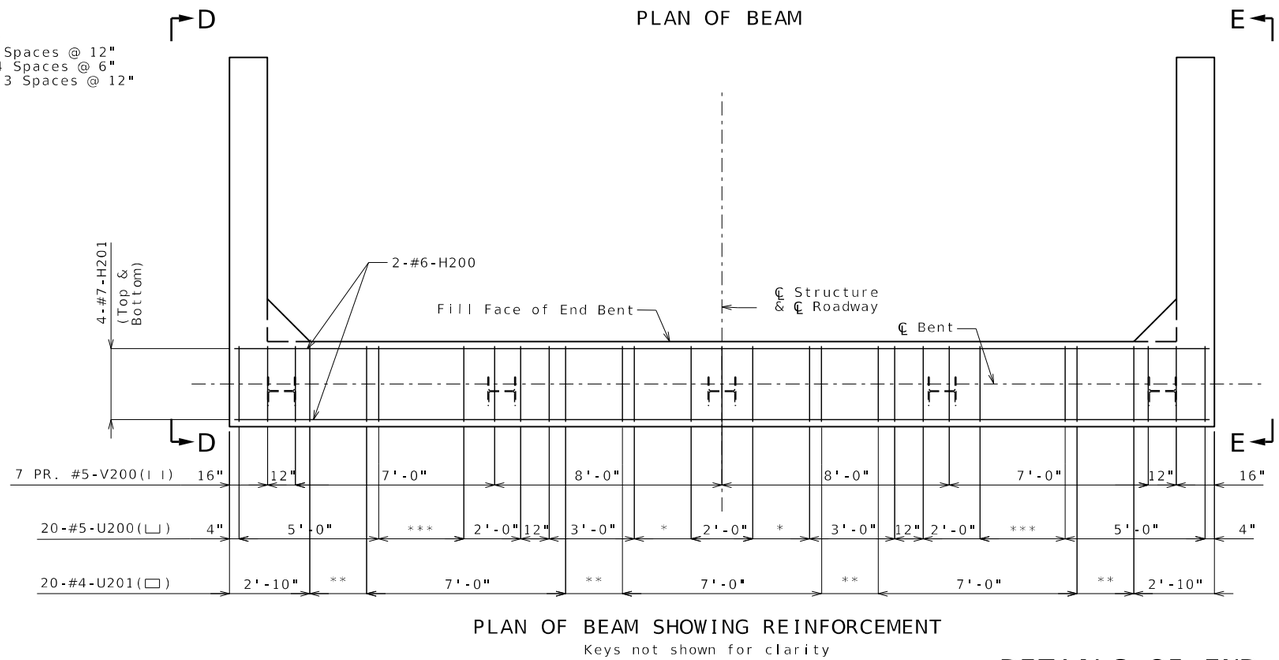
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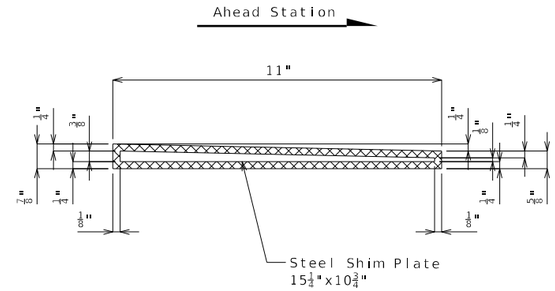


PLAN OF BEAM

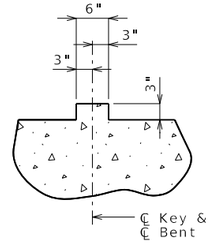
Notes:
* - 2 Spaces @ 12"
** - 4 Spaces @ 6"
*** - 3 Spaces @ 12"



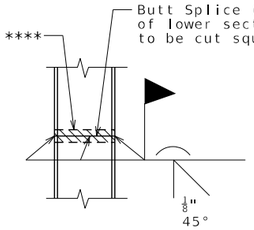
PLAN OF BEAM SHOWING REINFORCEMENT
Keys not shown for clarity



LAMINATED NEOPRENE BEARING PADS (TAPERED)



SECTION THRU KEY



STEEL PILE SPLICE
(If required)

* Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.

General Notes:

Work this sheet with Sheets No. 8 & 9.

Reinforcing steel shall be shifted to clear piles U bars shall clear piles by at least 1 1/2 inches.

Substructure Quantity Table for Bent No. 2		
Item		Quantity
Galvanized Structural Steel Piles (12 in.)	linear foot	85
Pre-Bore for Piling	linear foot	75
Pile Point Reinforcement	each	5
Class B Concrete (Substructure)	cu. yard	17.3

These quantities are included in the Estimated Quantities table on Sheet No. 2.

DETAILS OF END BENT NO. 2

Detailed: March 2024
Checked: August 2026

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

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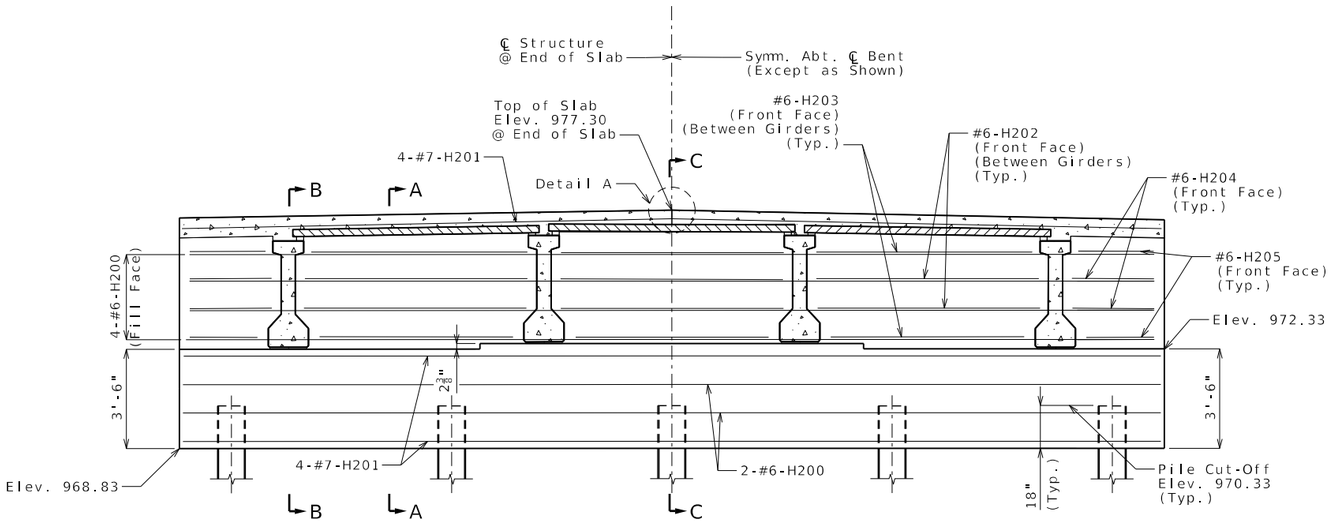
STATE OF MISSOURI SEAN T. MATLOCK NUMBER E-27133 PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 7
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

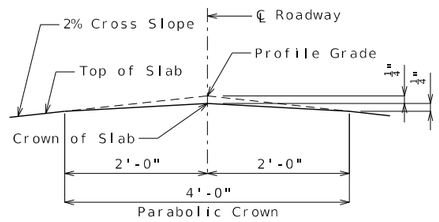
DESCRIPTION | DATE

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

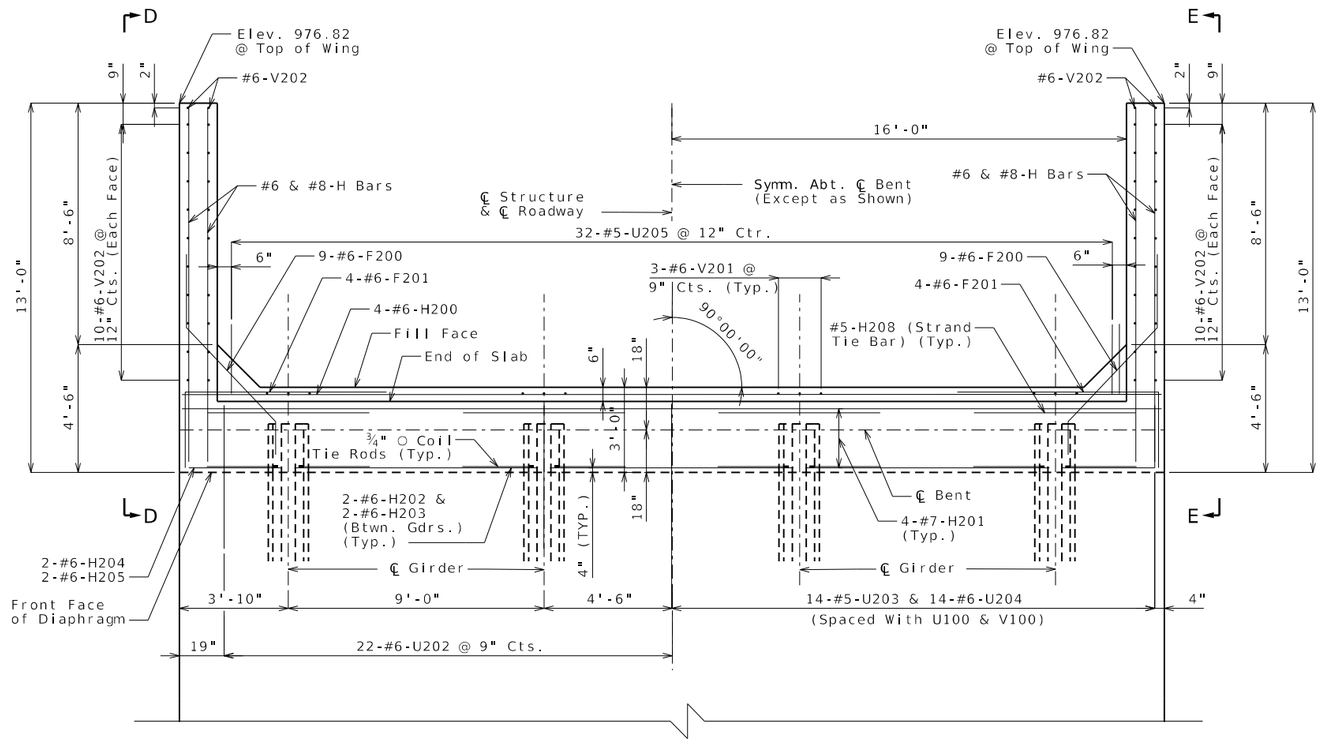
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SECTION NEAR END BENT



DETAIL A



PART PLAN

DETAILS OF END BENT NO. 2

General Notes:

Work this sheet with Sheets No. 7 & 9.

The #6-F200 and #6-F201 bars shall be bent in the field to clear girders.

All concrete in the end bent above top of beam and below top of slab shall be class B-2.

Strands at the end of girders shall be field bent or, if necessary, cut in field to maintain 1 1/2 inch minimum clearace to fill face of end bent.

For location of coil tie rods and #5-H208 (strand tie bar), see Sheets No. 10.

For details of vertical drain at end bents, see Sheet No. 6.

For details of bridge approach slab, see Sheet No. 17.

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 32 | STATE: MO
DISTRICT: BR | SHEET NO.: 8
COUNTY: POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: A9327

DESCRIPTION | DATE

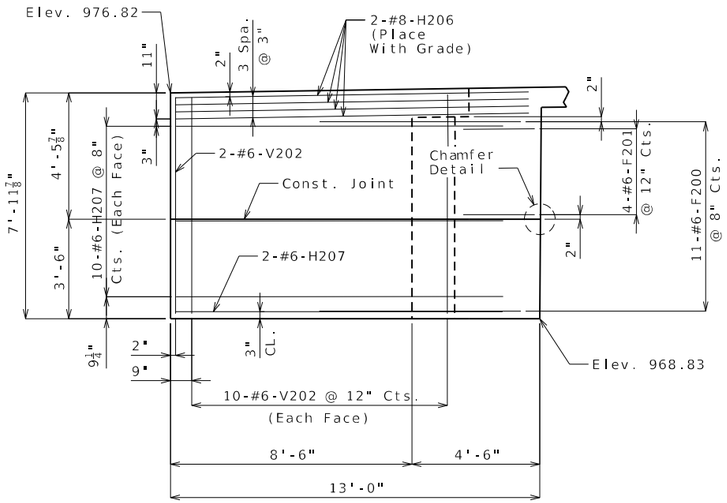
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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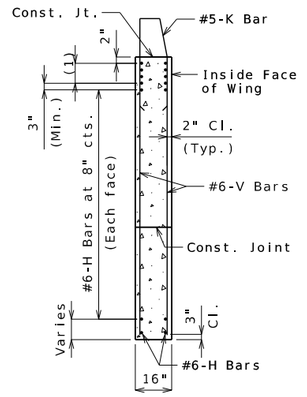
Detailed: March 2024
Checked: August 2026

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

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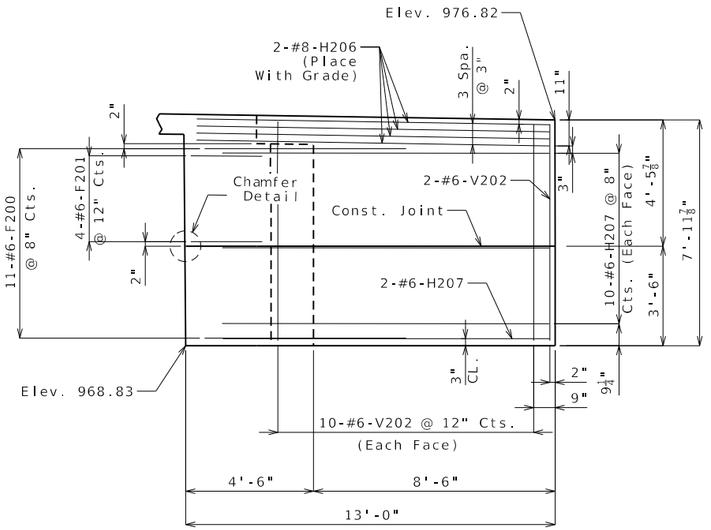


ELEVATION D-D

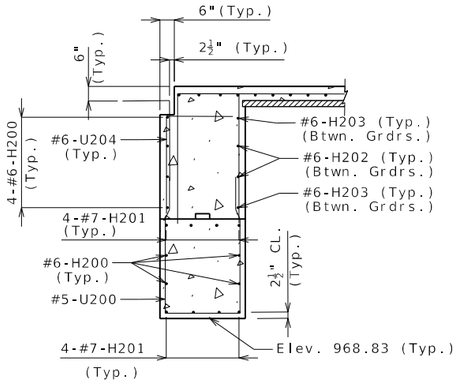


TYPICAL SECTION THRU WING

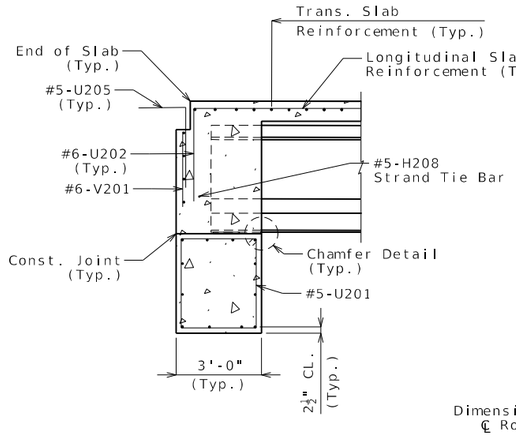
(1) #8-H Bars at 3" cts. (Each face)(Place with grade)



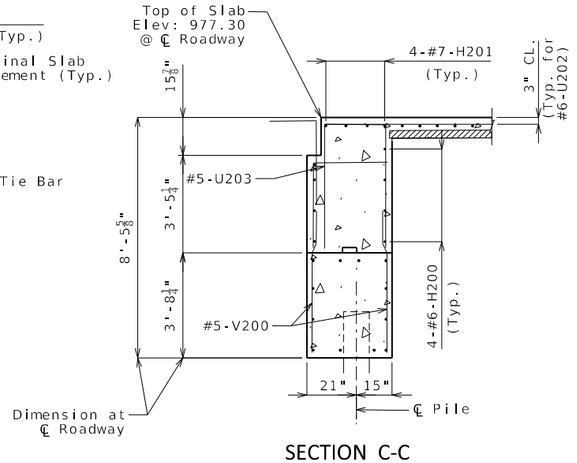
ELEVATION E-E



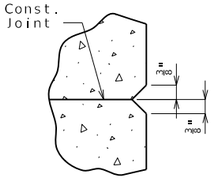
SECTION A-A



SECTION B-B



SECTION C-C



CHAMFER DETAIL

General Notes:

Work this sheet with Sheets No. 7 & 8

For reinforcement of the barrier, see Sheet No. 16.

DETAILS OF END BENT NO. 2

Detailed: March 2024
Checked: August 2026

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

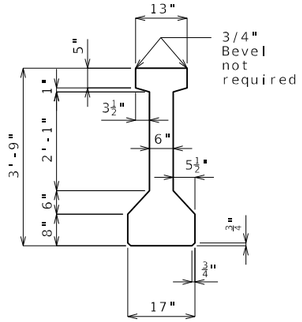
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 9
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

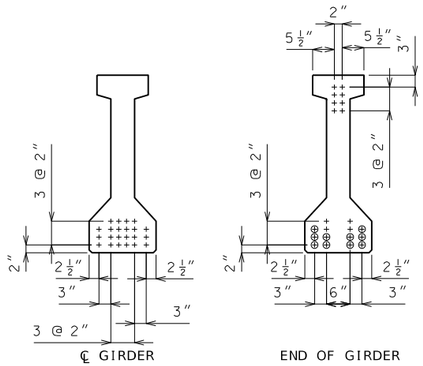
DESCRIPTION | DATE

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

2215 Fairlawn Dr
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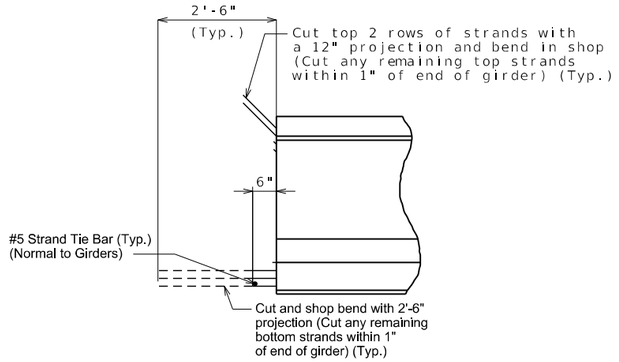
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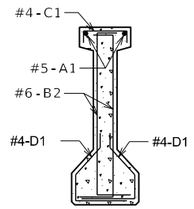
STRAND ARRARNGEMENT

+ Indicates prestressing strand.

○ Indicates cut & shop bend with 2'-6" projection.

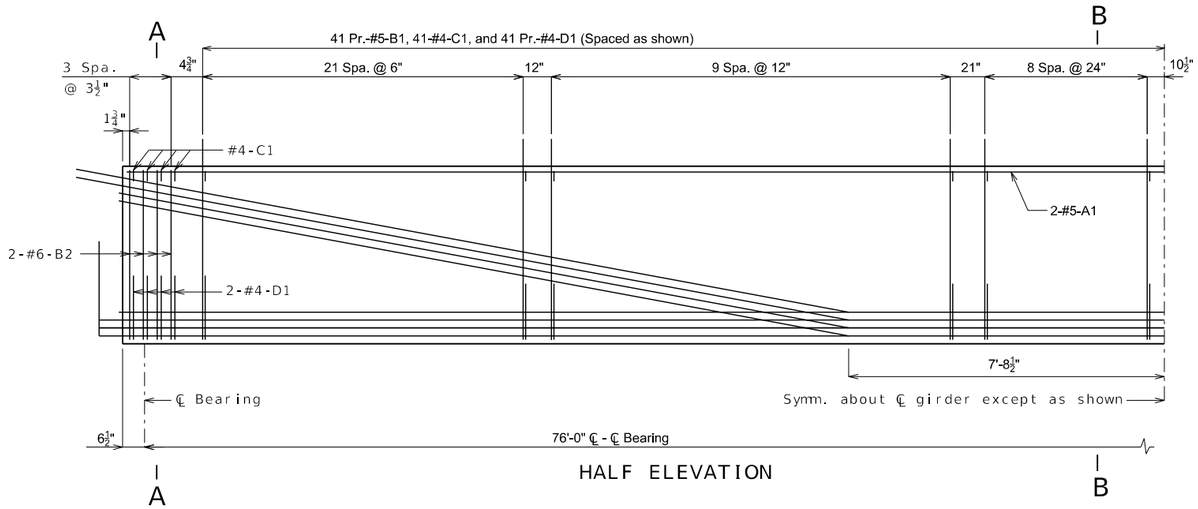


STRANDS AT GIRDER ENDS

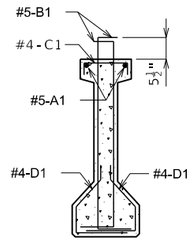


SECTION A-A

Strands not shown for clarity.

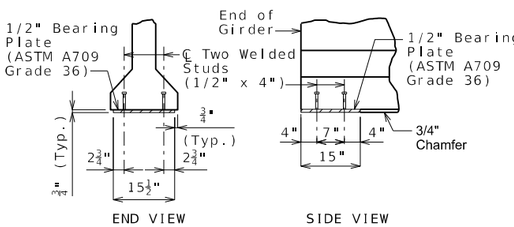


HALF ELEVATION

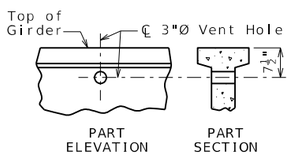


SECTION B-B

Strands not shown for clarity.

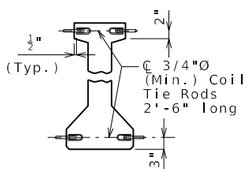


BEARING PLATE



VENT HOLE

Place vent holes at or near upgrade 1/3 point of girders and clear reinforcing steel or strands by 1 1/2" minimum and steel intermediate diaphragm bolt connections by 6" minimum.



COIL TIES

BILL OF REINFORCING STEEL - EACH GIRDER				
NO.	SIZE & MARK	ACTUAL LENGTH	SHAPE	BENDING DIAGRAM
4	6 A1	39'-5"	20	
164	5 B1	5'-1½"	11S	
16	6 B2	4'-6"	11S	
180	4 C1	13"	10S	
180	4 D1	2'-6"	9S	

SHAPE 20 SHAPE 9S SHAPE 10S SHAPE 11S

All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual bar lengths are measured along centerline of bar to the nearest inch.

Minimum clearance to reinforcing shall be one inch.

All reinforcement shall be ASTM A615 or A706 Grade 60.

The two D1 bars may be furnished as one bar at the fabricator's option.

All B1 bars shall be epoxy coated.

General Notes:

Concrete for prestressed girders shall be Class A-1 with f'c = 8,000 psi and f'ci = 6,500 psi.

Use 22 strands, 0.6"Ø Grade 270, with an initial prestress force of 967 kips.

Pretensioned members shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.

Exterior and interior girders are the same except: holes for steel intermediate diaphragms.

For Girder Camber Diagram, see Sheet No. 14.

The 1 1/2"Ø holes shall be cast in the web for steel intermediate diaphragms. Drilling is not allowed. For location of holes and details of steel intermediate diaphragms, see Sheet No. 11.

For location of coil ties at concrete bent diaphragms, see Sheets No. 4 & 8.

STATE OF MISSOURI
SEAN M. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
10/6/2026

ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 10
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

DESCRIPTION | DATE

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

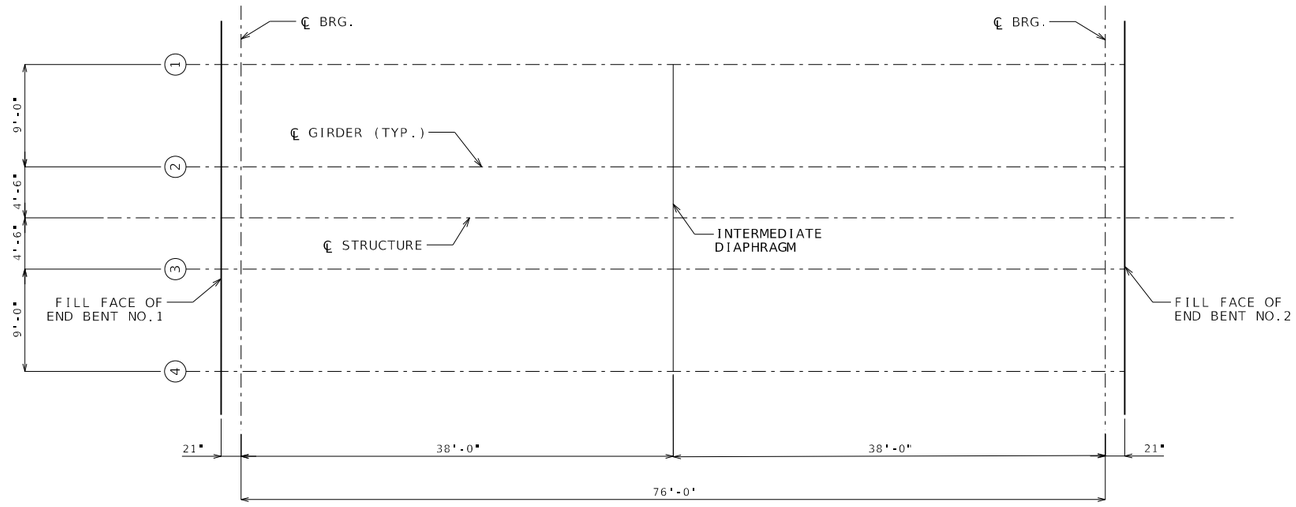
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I-GIRDERS - SPAN (1-2)

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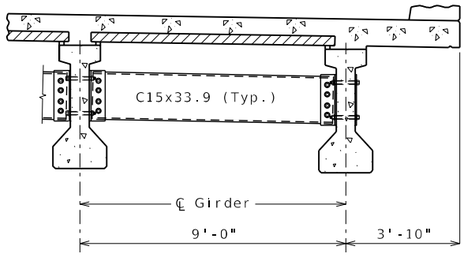
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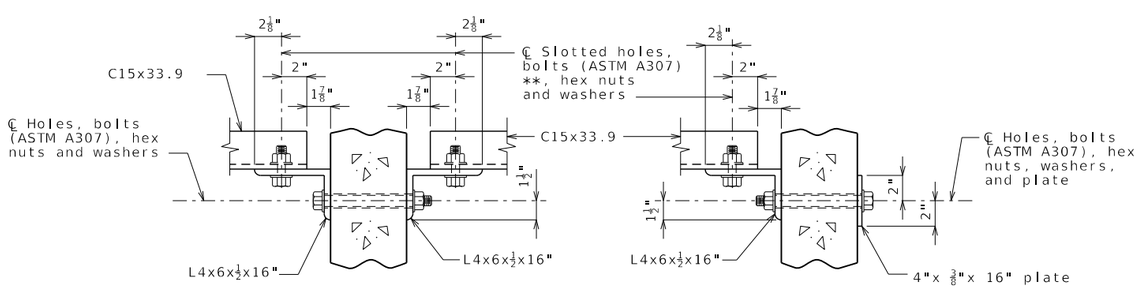
SPAN (1-2)

PLAN SHOWING LOCATION OF STEEL INTERMEDIATE DIAPHRAGMS

LONGITUDINAL DIMENSIONS ARE HORIZONTAL

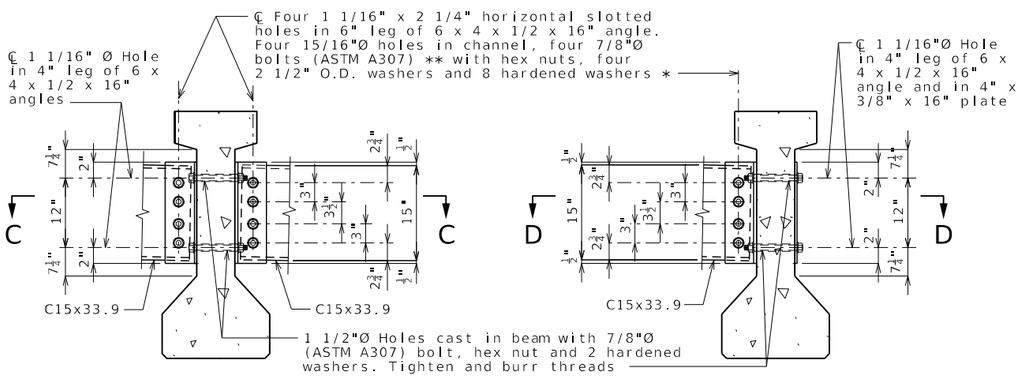


PART SECTION SHOWING INTERMEDIATE DIAPHRAGMS



SECTION C-C

SECTION D-D



SECTION THRU INT. GIRDER AT DIAPHRAGM

SECTION THRU EXT. GIRDER AT DIAPHRAGM

STEEL DIAPHRAGM NOTES:

* In lieu of 2 1/2" outside diameter washers, contractor may substitute a 3/16" (Min. thickness) plate with four 15/16" Ø holes and one hardened washer per bolt.

** Bolts shall be tightened to provide a tension of one-half that specified in Sec 712 for high strength bolt installation. ASTM F3125 Grade A325 Type 1 bolts may be substituted for and installed in accordance with the requirements for the specified ASTM A307 bolts.

All diaphragm materials including bolts, nuts, and washers shall be galvanized.

Fabricated structural steel shall be ASTM A709 Grade 36 except as noted.

Payment for furnishing and installing steel intermediate diaphragms will be considered completely covered by the contract unit price for Steel Intermediate Diaphragm for P/S Concrete Girders.

Shop drawings will not be required for steel intermediate diaphragms and angle connections.

STEEL INTERMEDIATE DIAPHRAGMS

Detailed: March 2024
Checked: August 2026

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

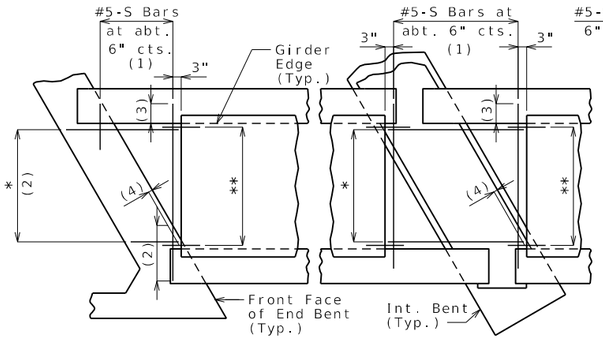
STATE OF MISSOURI
SEAN J. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 11
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

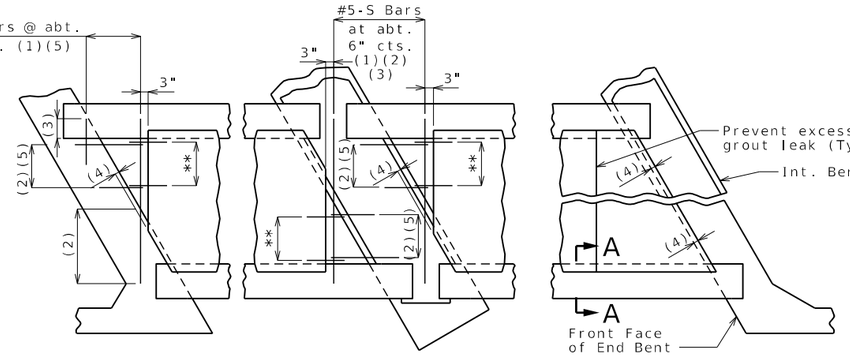
DESCRIPTION | DATE

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105 WEST CAPITOL
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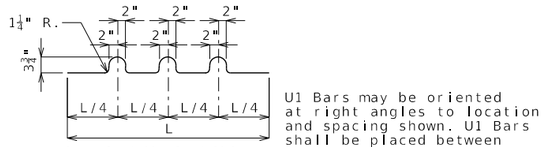
SQUARED END PANELS OR TRUNCATED END PANELS



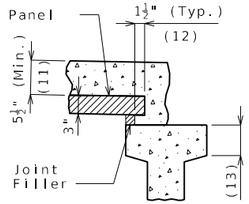
SKEWED END PANELS

PLAN SHOWING PANEL PLACEMENT

* #5-S Bars at abt. 9" cts. (1)
** #3-P1 at 12" cts. (End panels only)

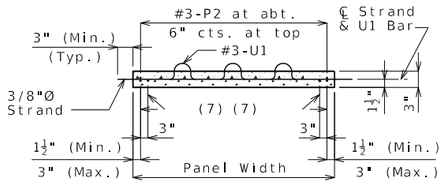


BENDING DIAGRAM FOR U1 BAR

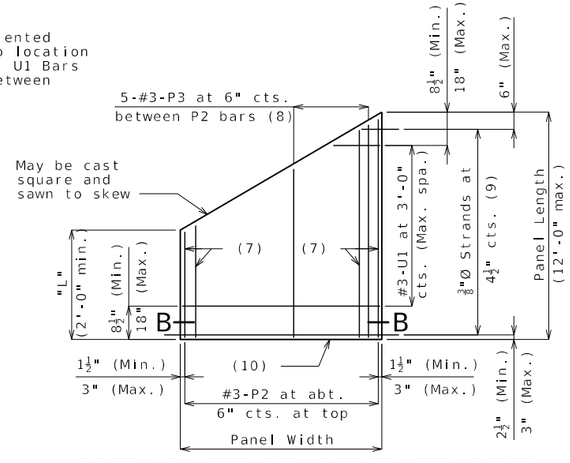


SECTION A-A

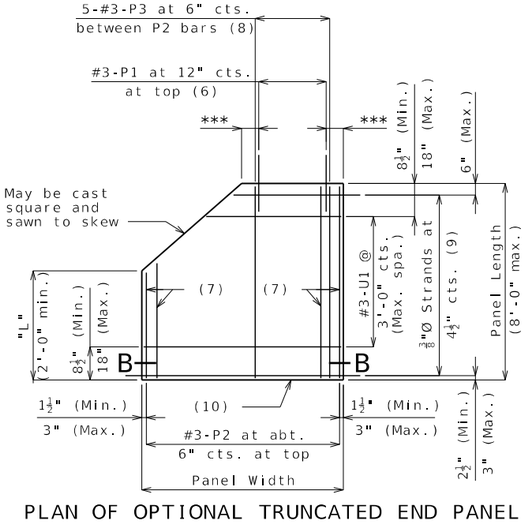
Joint Filler Dimensions		
Width	Height	
	Min.	Max.
1½"	1"	2"



SECTION B-B

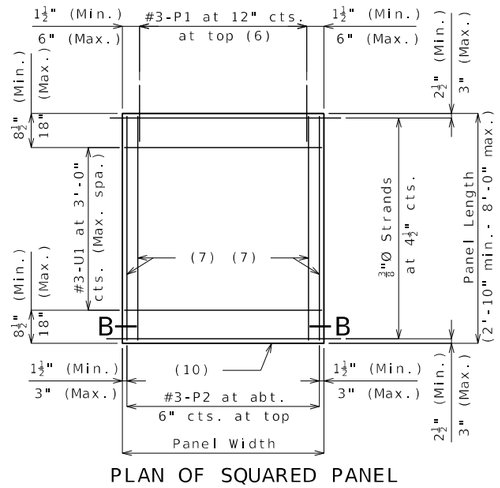


PLAN OF OPTIONAL SKEWED END PANEL



PLAN OF OPTIONAL TRUNCATED END PANEL

*** 3" (Min.), 6" (Max.)



PLAN OF SQUARED PANEL

Reference Notes:

Plan of Panel Placement:
(1) S-bars shown are bottom steel in slab between panels and used with squared and truncated end panels only.

(2) Extend S-bars 18 inches beyond the front face of end bents and int. bents for squared and truncated end panels only.

(3) Extend S-bars 9 inches beyond edge of girder (Typ.).

(4) End panels shall be dimensioned 1/2" min. to 1 1/2" max. from the inside face of diaphragm.

(5) For truncated end panels, use a min. of #5-S bars at 6" crossings in openings, or min. 4x4-W7xW7.

Plans of Panels:
(6) For end panels only, P1 bars shall be 2'-0" in length and embedded 12". P1 bars will not be required for panels at squared integral end bents.

(7) #3-P2 bars near edge of panel at bottom (under strands).

(8) Use #3-P3 bars if panel is skewed 45° or greater.

(9) Any strand 2'-0" or shorter shall have a #4 reinforcing bar on each side of it, centered between strands. Strands 2'-0" or shorter may then be debonded at the fabricator's option.

(10) Optional 1/2" x 45° Chamfer one or both sides at bottom.

Section A-A:
(11) Slab thickness over prestressed panels varies due to girder camber. In order to maintain minimum slab thickness, it may be necessary to raise the grade uniformly throughout the structure. No payment will be made for additional labor or materials required for necessary grade adjustment.

(12) Contractor shall ensure proper consolidation under and between panels.

(13) At the contractor's option, the variation in slab thickness over prestressed panels may be eliminated or reduced by increasing and varying the girder top flange thickness. Dimensions shall be shown on the shop drawings.

General Notes:

Prestressed Panels:
Concrete for prestressed panels shall be Class A-1 with f'c = 6,000 psi, f'ci = 4,000 psi.

The top surface of all panels shall receive a scored finish with a depth of scoring of 1/8" perpendicular to the prestressing strands in the panels.

Prestressing tendons shall be high-tensile strength, uncoated, seven-wire, low-relaxation strands for prestressed concrete in accordance with AASHTO M 203 Grade 270, with nominal diameter of strand = 3/8" and nominal area = 0.085 sq.in. and minimum ultimate strength = 22.95 kips (270 ksi). Larger strands may be used with the same spacing and initial tension.

Initial prestressing force = 17.2 kips/strand.

The method and sequence of releasing the strands shall be shown on the shop drawings.

Suitable anchorage devices for lifting panels may be cast in panels, provided the devices are shown on the shop drawings and approved by the engineer. Panel lengths shall be determined by the contractor and shown on the shop drawings.

When squared end panels are used at skewed bents, the skewed portion shall be cast full depth. No separate payment will be made for additional concrete and reinforcing required.

Support from diaphragm forms is required under the optional skewed end until cast-in-place concrete has reached 3,000 psi compressive strength.

Prestressed panels shall be brought to saturated surface-dry (SSD) condition just prior to the deck pour. There shall be no free standing water on the panels or in the area to be cast.

The prestressed panel quantities are not included in the table of estimated quantities for the slab.

Reinforcing Steel:
All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

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

If U1 bars interfere with placement of slab steel, U1 loops may be bent over, as necessary, to clear slab steel.

Deformed welded wire reinforcement (WWR) providing a minimum area of reinforcing perpendicular to strands of 0.22 sq in./ft, with spacing parallel to strands sufficient to ensure proper handling, may be used in lieu of the #3-P2 bars shown. Wire diameter shall not be larger than 0.375 inch. The above alternative reinforcement criteria may be used in lieu of the #3-P3 bars, when required, and placed over a width not less than 2 feet.

The following reinforcing steel shall be tied securely to the strands with the following maximum spacing in each direction:
#3-P2 bars at 16 inches.
WWR at 24 inches.

The #3-U1 bars shall be tied securely to #3-P2 bars, to WWR or to strands (when placed between P1 bars) at about 3-foot centers.

Minimum reinforcement steel length shall be 2'-0".

All reinforcement other than prestressing strands shall be epoxy coated.

Precast panels may be in contact with stirrup reinforcing in diaphragms.

S-bars are not listed in the bill of reinforcing.

Cost of S-bars will be considered completely covered by the contract unit price for the slab.

Joint Filler:
Joint filler shall be preformed fiber expansion joint material in accordance with Sec 1057 or expanded or extruded polystyrene bedding material in accordance with Sec 1073.

Use Slab Haunching Diagram on Sheet No. 14 for determining thickness of joint filler within the limits noted in the table of Joint Filler Dimensions.

Thicker material may be used on one or both sides of the girder to reduce cast-in-place concrete thickness to within tolerances.

The same thickness of preformed fiber expansion joint material shall be used under any one edge of any panel except at locations where top flange thickness may be stepped. The maximum change in thickness between adjacent panels shall be 1/2 inch. The polystyrene bedding material may be cut with a transition to match haunch height above top of flange.

Joint filler shall be glued to the girder. When thickness exceeds 1 1/2 inches, the joint filler shall be glued top and bottom. The glue used shall be the type recommended by the joint filler manufacturer.

Edges of panels shall be uniformly seated on the joint filler before slab reinforcement is placed.

STATE OF MISSOURI
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PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 32 | STATE: MO
DISTRICT: BR | SHEET NO.: 12
COUNTY: POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: A9327

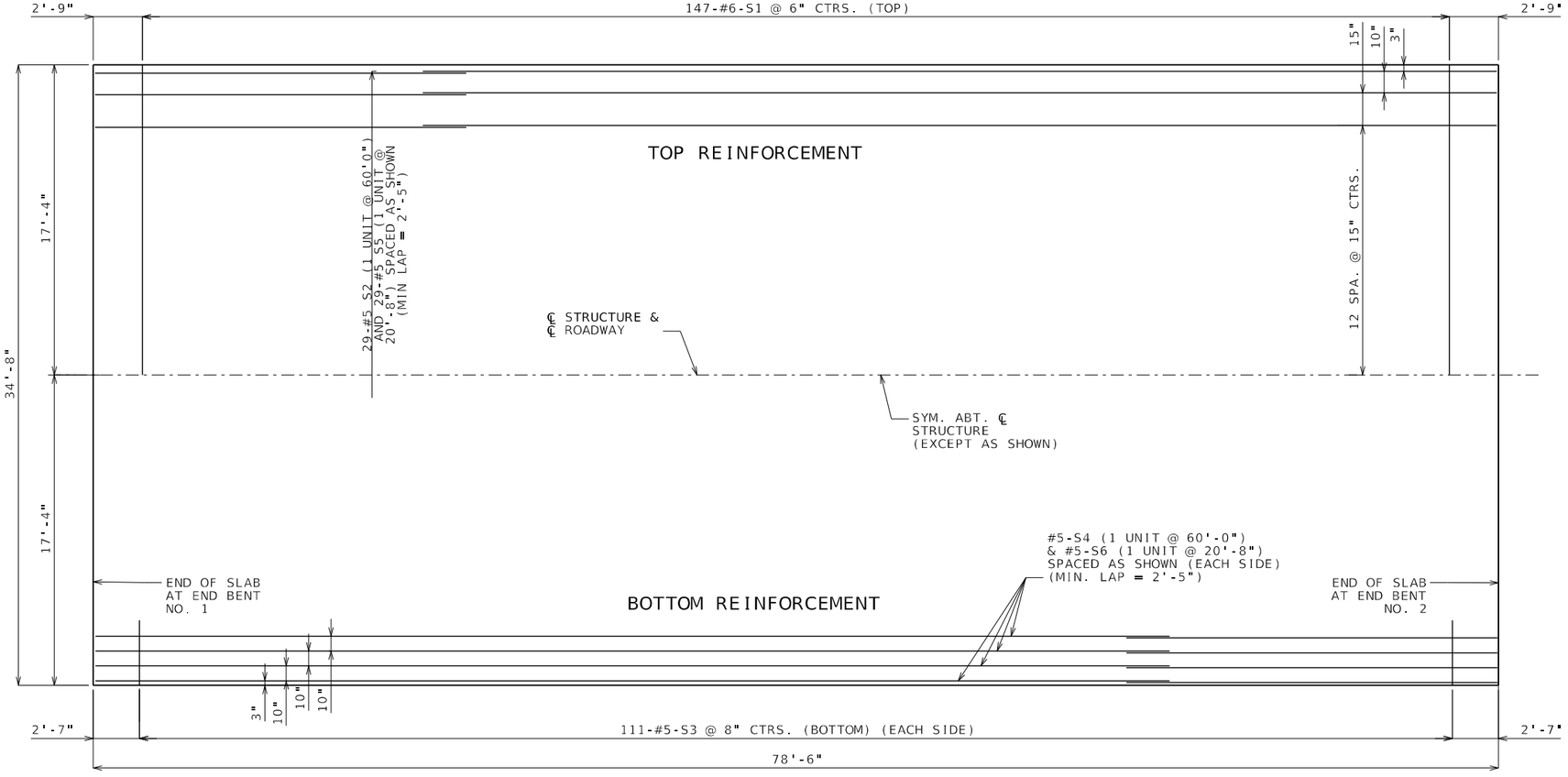
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1-888-ASK-MODOT (1-888-275-6636)
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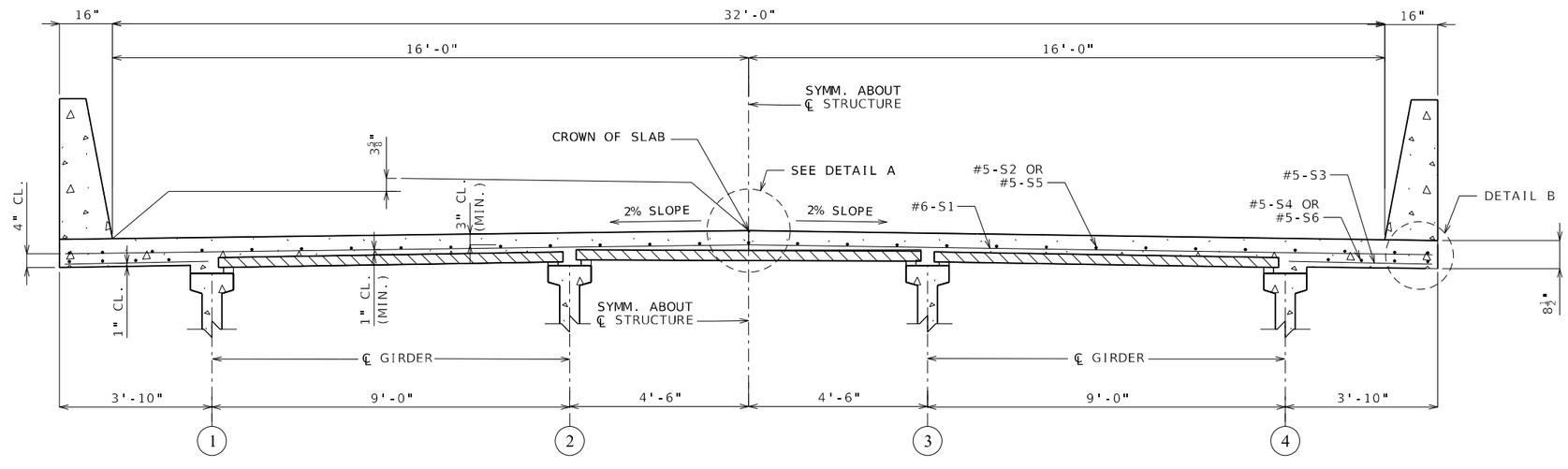
Detailed: March 2024
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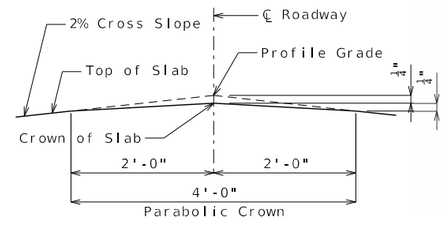
PRESTRESSED PANELS



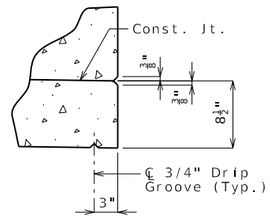
PLAN OF SLAB SHOWING REINFORCEMENT



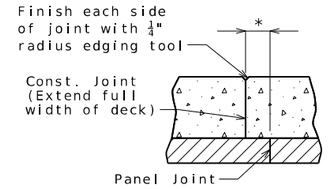
SECTION THRU SLAB



DETAIL A

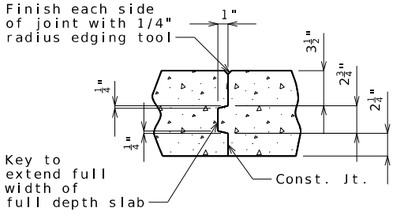


DETAIL B



* Adjust the construction joint to a clearance of 6 inches minimum from the panel joint.

SLAB ON PANELS



FULL DEPTH SLAB

Notes:

Longitudinal slab dimensions are measured horizontally.

The contractor shall pour up grade and satisfactorily finish the slab at a rate of not less than 25 cubic yards per hour. The contractor shall furnish an approved retarder to retard the set of the concrete to 2.5 hours.

The concrete diaphragm at the integral end bents shall be poured a minimum of 30 minutes and a maximum of 2 hours before the slab is poured.

For reinforcement of barrier, see Sheet No. 15.

For details of prestressed panels, see Sheet No. 12.

For Theoretical Slab Haunching Diagram, Girder Camber Diagram and Theoretical Bottom of Slab Elevations, see Sheet No. 14.

Detailed: March 2024
Checked: August 2026

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

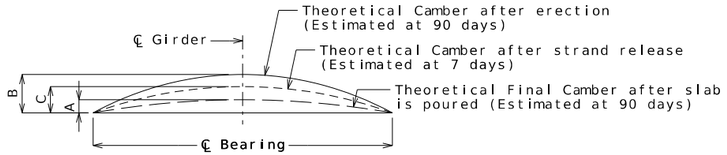
STATE OF MISSOURI
SEAN J. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 13
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
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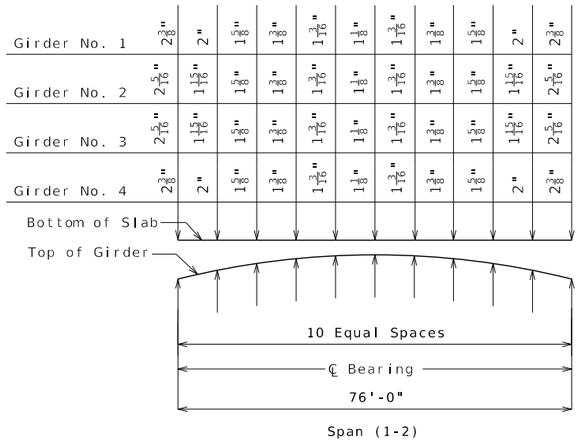
Girder	Span (1-2)		
	A	B	C
Exterior	$1\frac{1}{4}$"	$2\frac{5}{8}$"	$1\frac{7}{8}$"
Interior	$1\frac{3}{8}$"		

GIRDER CAMBER DIAGRAM

Conversion Factors for Girder Camber (Estimated at 90 days):

0.1 pt. = 0.314 x 0.5 pt.
0.2 pt. = 0.593 x 0.5 pt.
0.3 pt. = 0.813 x 0.5 pt.
0.4 pt. = 0.952 x 0.5 pt.

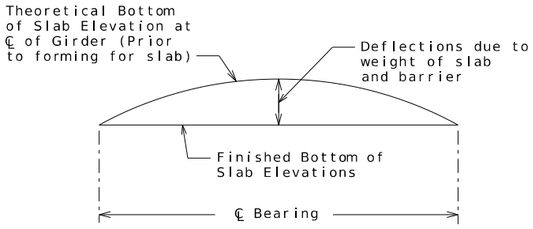
SLAB CONSTRUCTION JOINT



THEORETICAL SLAB HAUNCHING DIAGRAM

If girder camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thckness or a raise in grade uniformly throughout the structure shall be necessary. The haunch shall be limited to ensure the projecting girder reinforcement is embedded into slab at leastt 2 inches. No payment will be made for additional labor or materials required for variation in haunching, slab thickness or grade adjustment.

Concrete in the slab haunches is included in the Estimated Quantities for Slab on Concrete I-girder.



TYPICAL SLAB ELEVATIONS DIAGRAM

Theoretical Bottom of Slab Elevations at Centerline of Girder (Prior to forming for slab) (Estimated at 90 days)

Girder Number	Span (1-2) (76'- 0" ℄ Brg. - ℄ Brg.)										
	℄ Brg.	.10	.20	.30	.40	.50	.60	.70	.80	.90	℄ Brg.
1	977.51	977.43	977.35	977.26	977.16	977.05	976.93	976.80	976.66	976.51	976.36
2	977.69	977.62	977.54	977.45	977.36	977.25	977.12	976.99	976.85	976.69	976.54
3	977.69	977.62	977.54	977.45	977.36	977.25	977.12	976.99	976.85	976.69	976.54
4	977.51	977.43	977.35	977.26	977.16	977.05	976.93	976.80	976.66	976.51	976.36

Elevations are based on a constant slab thickness of 8 1/2" and include allowance for theoretical dead load deflections due to weight of slab (including precast panel) and barrier.

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 32 | STATE: MO
DISTRICT: BR | SHEET NO.: 14
COUNTY: POLK
JOB NO.: JSR0059
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: A9327

DESCRIPTION | DATE

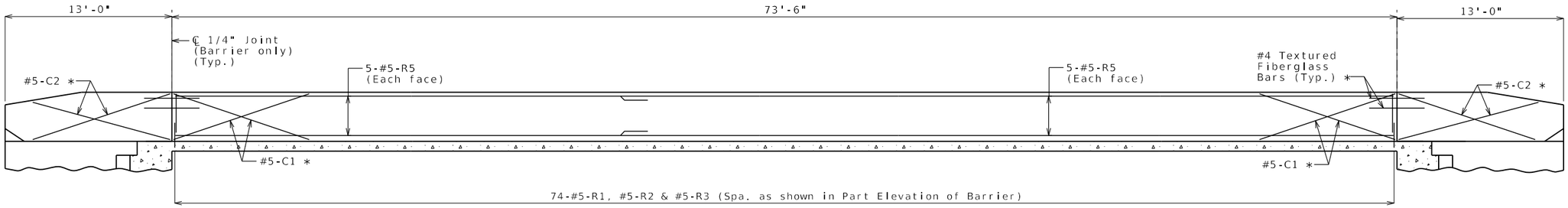
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Checked: August 2026

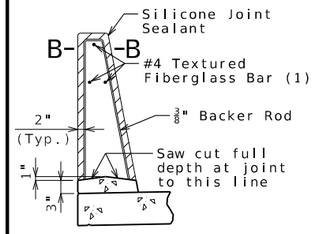
Note: This drawing is not to scale. Follow dimensions.

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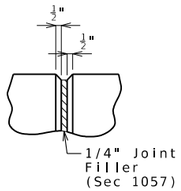


ELEVATION OF BARRIER

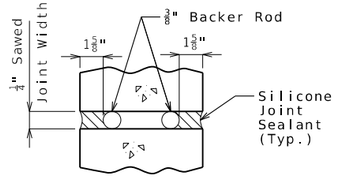
(Left barrier shown, right barrier similar)
Longitudinal dimensions are horizontal.



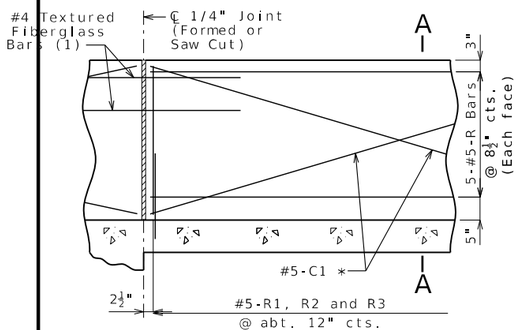
SECTION THRU
SAW CUT JOINT



PART ELEVATION
AT FORMED JOINT

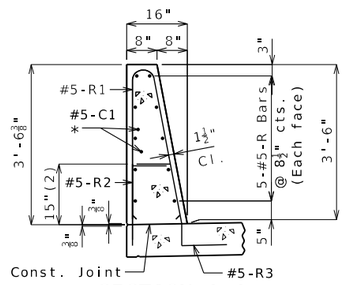


SECTION B-B



PART ELEVATION OF BARRIER

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

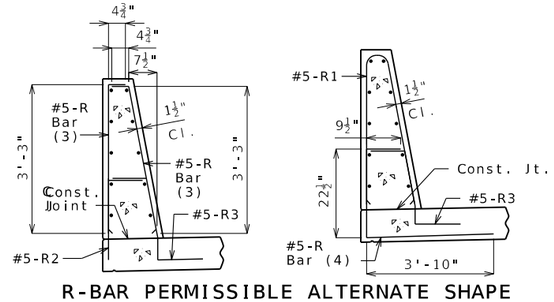


SECTION A-A

Use a minimum lap of 3'-1" 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.)

(4) The R2 bar and #5 bottom transverse slab bar in cantilever (prestressed panels only) combination may be furnished as one bar as shown, at the contractor's option.

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.

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 wing to end of wing.

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: March 2024
Checked: August 2026

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

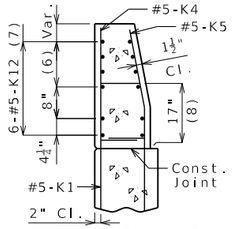
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 15
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

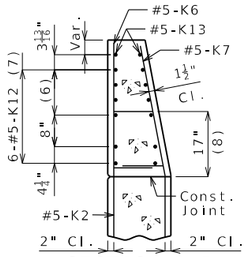
DESCRIPTION | DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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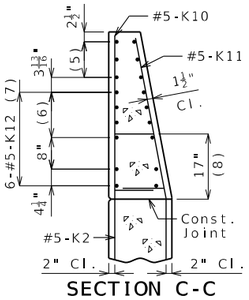
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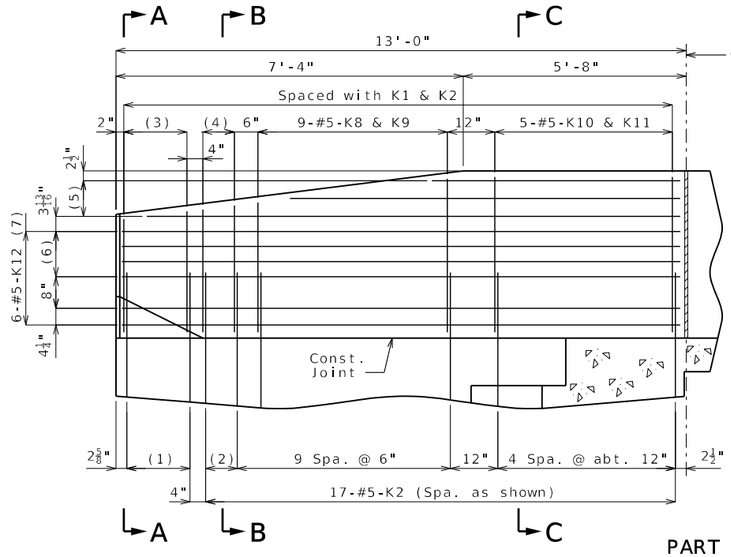
SECTION A-A

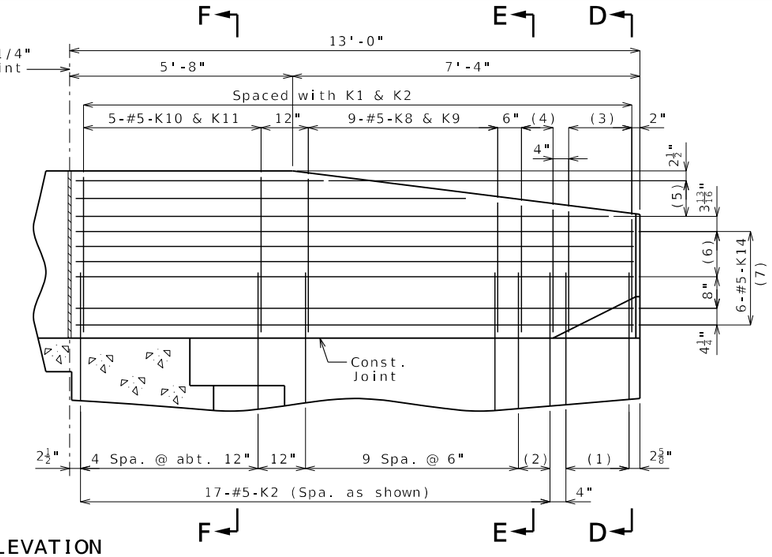


SECTION B-B

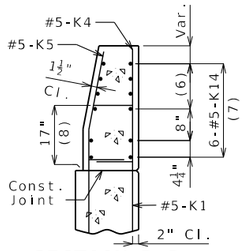


SECTION C-C

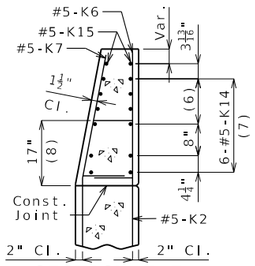




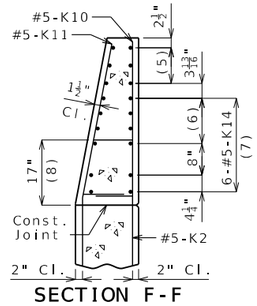
PART ELEVATION



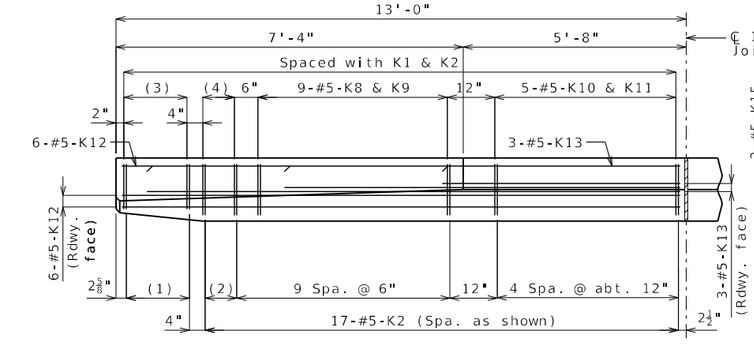
SECTION D-D

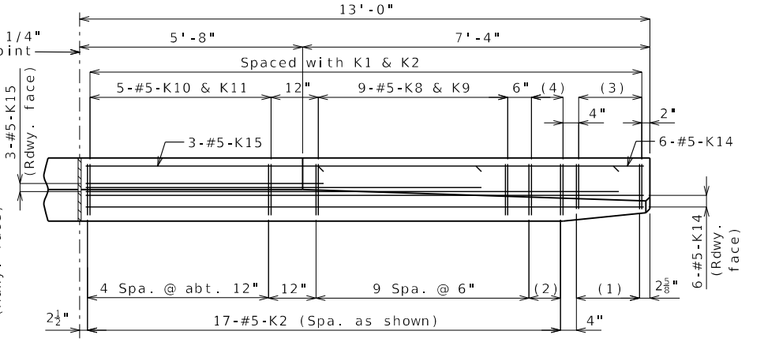


SECTION E-E

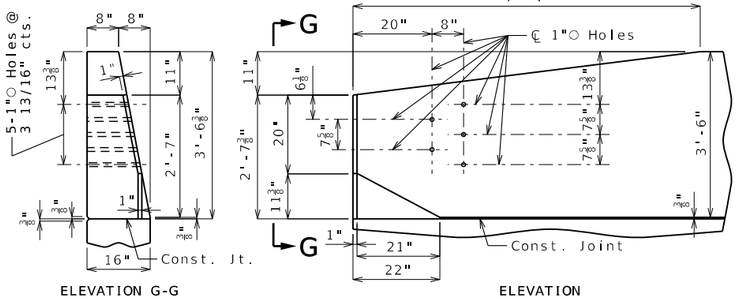


SECTION F-F



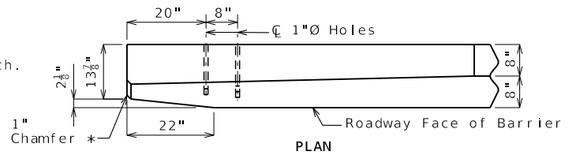


PART PLAN



ELEVATION G-G

ELEVATION



PLAN

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) 3-#5-K13 or K15 @ 4½" cts., each face

(6) 3 spaces @ 3 13/16"

(7) Spaced as shown, each face

(8) To top of bar

General Notes:

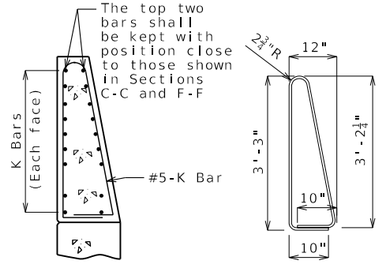
Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered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

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent.

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar)

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



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.

Detailed: March 2024
Checked: August 2026

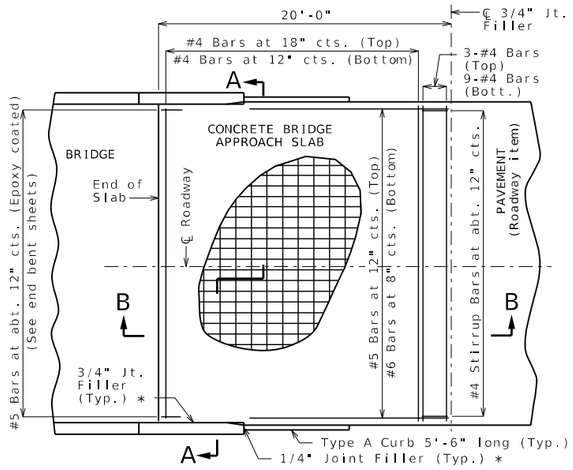
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 16
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

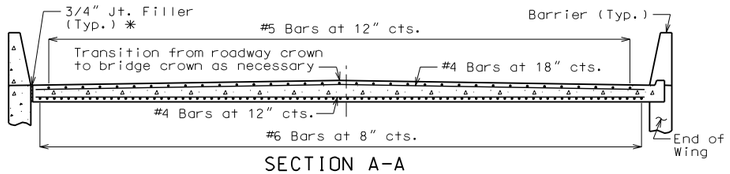
DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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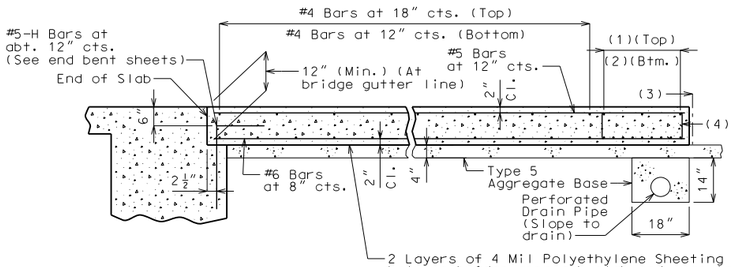


PART PLAN OF SQUARED STRUCTURE
(Skewed structure similar)



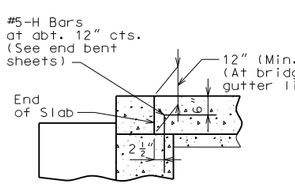
SECTION A-A

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

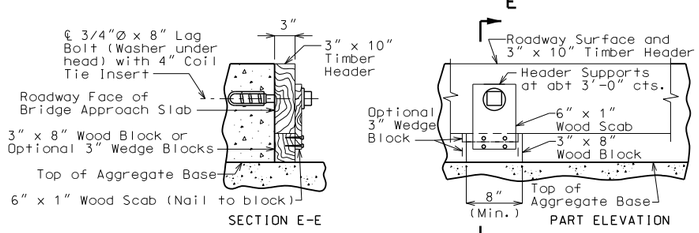


SECTION B-B
(Integral end bent)

(1) 3-#4 Bars
(2) 9-#4 Bars
(3) ℄ 3/4" Jt. Filler
(4) #4 Stirrup Bars at abt. 12" cts.: 2'-0"x 8" (Min.) out to out; Actual length = 5'-10" (Min.); 90° stirrup hook at bottom; Stirrup height (8") and actual length vary due to crown.

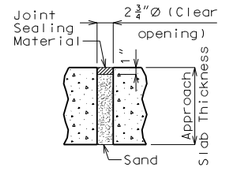


PART SECTION B-B
(Non-integral end bent)

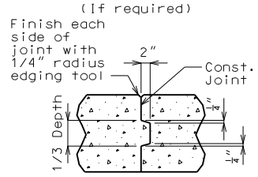


DETAILS OF TIMBER HEADER
Remove timber header when concrete pavement is placed.

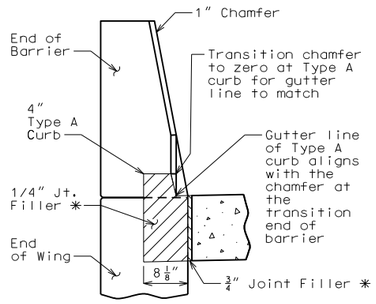
OPTIONAL CONCRETE SLAB



UNDERSEAL ACCESS HOLE DETAIL
(If required)



CONSTRUCTION JOINT DETAIL



SECTION BETWEEN CURB AND BARRIER

Notes For Concrete Slab Only:

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

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

Longitudinal construction joints in bridge approach slab shall be aligned with longitudinal construction joints in bridge slab.

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

The reinforcing steel in the bridge approach slab shall be continuous. The transverse reinforcing steel may be made continuous by lap splicing the #4 bars 29" 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.

Payment for furnishing all materials, labor and excavation necessary to construct the concrete bridge approach slab, including the timber header, 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 (Minor) per square yard.

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

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.

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

General Notes:

Contractor shall have the option to construct either slab except as noted.

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

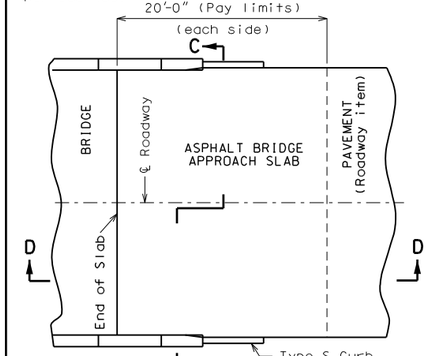
MoDOT Construction personnel will indicate the bridge approach slab used for this structure:

☐ Concrete Bridge Approach Slab
☐ Asphalt Bridge Approach Slab

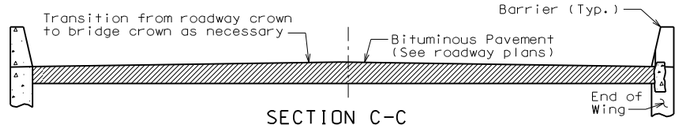
Notes For Asphalt Slab Only:

Payment for furnishing all materials, labor and excavation necessary to construct the asphalt bridge approach slab, including tack, curb, underdrain and Type 5 aggregate base within the pay limits shown, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Minor) per square yard.

Application of tack is required between lifts per Sec 403.

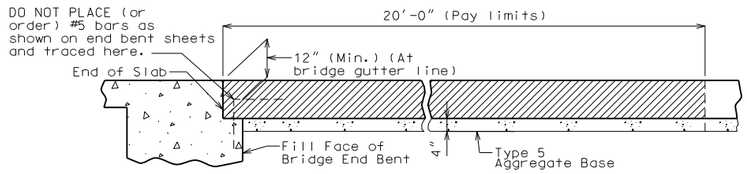


PART PLAN
(Squared structure shown, skewed structure similar)

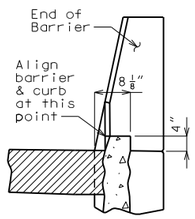


SECTION C-C

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 D-D



4" TYPE S CURB
See Missouri Standard Plan 609.00 for details of Type S curb.

OPTIONAL ASPHALT SLAB (NOT ALLOWED WITH CONCRETE PAVEMENT)

BRIDGE APPROACH SLAB (MINOR)

Integral end bents shown, non-integral end bent similar.

Detailed: March 2024
Checked: August 2026

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

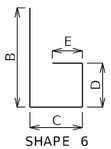
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
10/6/2026	
ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
BR	17
COUNTY	
POLK	
JOB NO.	
JSR0059	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	
A9327	

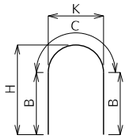
DESCRIPTION | DATE

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

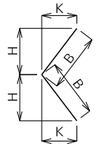
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



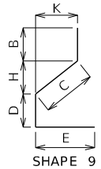
SHAPE 6
or 6S



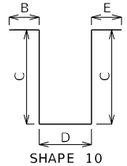
SHAPE 7



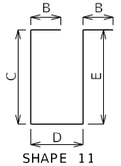
SHAPE 8
or 8S



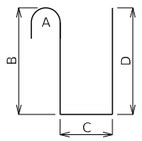
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or 9S



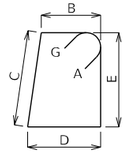
SHAPE 10
or 10S



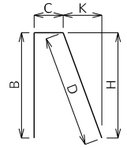
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or 11S



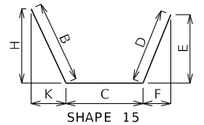
SHAPE 12



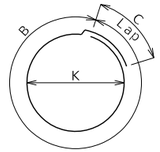
SHAPE 13S



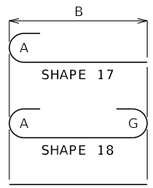
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or 14S



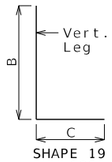
SHAPE 15
or 15S



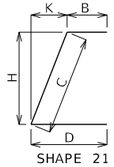
SHAPE 16



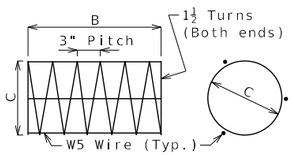
SHAPE 17
SHAPE 18
SHAPE 20



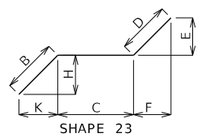
SHAPE 19
or 19S



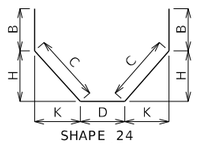
SHAPE 21
or 21S



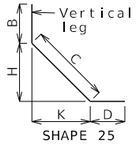
SHAPE 22



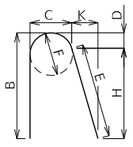
SHAPE 23
or 23S



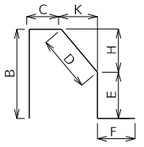
SHAPE 24
or 24S



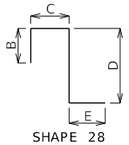
SHAPE 25
or 25S



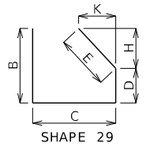
SHAPE 26



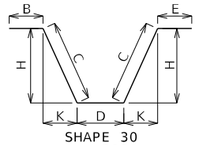
SHAPE 27S



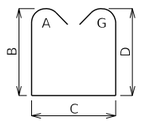
SHAPE 28
or 28S



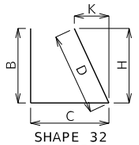
SHAPE 29
or 29S



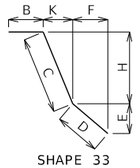
SHAPE 30
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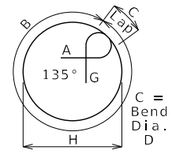
SHAPE 31S



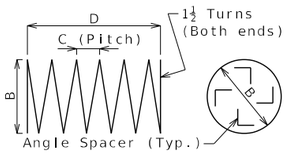
SHAPE 32
or 32S



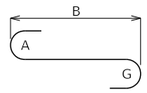
SHAPE 33
or 33S



SHAPE 34S



SHAPE 35 (1)

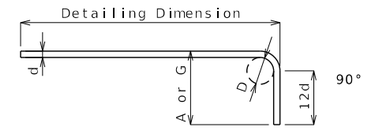


SHAPE 36

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"

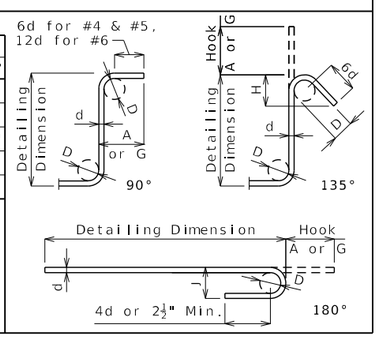


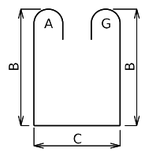
Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G			H	J
			90°	135°	180°	135°	180°
#4	2	2"	4½"	4½"	5"	2⅞"	3"
	3	3"	5"	5¼"	6"	3"	4"
#5	2	2½"	5⅜"	5⅜"	5⅜"	3⅜"	3⅜"
	3	3¾"	6¼"	6½"	7"	3⅞"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅝"	6"

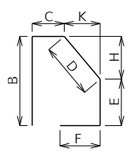
Applicable for all grades of steel.

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)

		Substructure		Superstructure				Entire Bridge	
				Slab					
	Size	Plain	Coated	Plain	Coated	Barrier	Slip Form	Plain	Coated
By Size	W5	0	0	0	0	0	0	0	0
	4	0	0	0	320	0	0	0	320
	5	0	0	0	5,689	5,754	188	0	11,631
	6	0	0	0	14,020	0	0	0	14,020
	7	0	0	0	1,688	0	0	0	1,688
	8	0	0	0	534	0	0	0	534
	9	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0	0
	14	0	0	0	0	0	0	0	0
	18	0	0	0	0	0	0	0	0
By Type		0	0	0	22,251	5,754	188	0	28,193

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

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Detailed Ocotber 2026
Checked October 2026

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

STATE OF MISSOURI
SEAN C. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 18
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

DESCRIPTION | DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

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
		SUPERSTRUCTURE													
		END BENT 1													
22	6 F100	WING	E	23S		2 5.00	4 11.00	14.25	10.00	10.00	20.50	20.50	8 6	8 5	278
8	6 F101	DIAPHRAGM	E	21S		4 10.00	2 8.00				2 8.00		7 6	7 2	86
8	6 H100	BEAM/DIAPHRAGM	E	20		34 5.00							34 5	34 5	414
12	7 H101	BEAM/DIAPHRAGM	E	20		34 5.00							34 5	34 5	844
6	6 H102	DIAPHRAGM	E	20		8 3.00							8 3	8 3	74
6	6 H103	DIAPHRAGM	E	20		7 4.00							7 4	7 4	66
4	6 H104	DIAPHRAGM	E	20		3 4.00							3 4	3 4	20
4	6 H105	DIAPHRAGM	E	20		2 10.50							2 11	2 11	18
16	8 H106	WING	E	20		12 6.00							12 6	12 6	534
44	6 H107	WING	E	20		11 8.00							11 8	11 8	771
4	5 H108	STRAND TIE	E	20		5 9.00							5 9	5 9	24
20	5 U100	BEAM	E	10S			6 7.00	2 8.00					15 10	15 7	325
20	4 U101	BEAM	E	13S		2 8.00	3 1.00	2 8.00	3 1.00				12 3	12 0	160
43	6 U102	DIAPHRAGM	E	19S		3 6.00	4 6.50						8 1	7 11	511
27	5 U103	DIAPHRAGM	E	10S			4 2.75	2 2.00					10 8	10 5	293
27	6 U104	DIAPHRAGM	E	19S		3 4.75	2 9.00						6 2	6 0	243
32	5 U105	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	106
14	5 V100	BEAM	E	20		6 7.00							6 7	6 7	96
12	6 V101	DIAPHRAGM	E	20		3 5.25							3 5	3 5	62
44	6 V102	WING	E	20		7 11.25							7 11	7 11	523
		END BENT 2													
22	6 F200	WING	E	23S		2 5.00	4 11.00	14.25	10.00	10.00	20.50	20.50	8 6	8 5	278
8	6 F201	DIAPHRAGM	E	21S		4 10.00	2 8.00				2 8.00		7 6	7 2	86
8	6 H200	BEAM/DIAPHRAGM	E	20		34 5.00							34 5	34 5	414
12	7 H201	BEAM/DIAPHRAGM	E	20		34 5.00							34 5	34 5	844
6	6 H202	DIAPHRAGM	E	20		8 3.00							8 3	8 3	74
6	6 H203	DIAPHRAGM	E	20		7 4.00							7 4	7 4	66
4	6 H204	DIAPHRAGM	E	20		3 4.00							3 4	3 4	20
4	6 H205	DIAPHRAGM	E	20		2 10.50							2 11	2 11	18
16	6 H206	WING	E	20		12 6.00							12 6	12 6	300
44	6 H207	WING	E	20		11 8.00							11 8	11 8	771
4	5 H208	STRAND TIE	E	20		5 9.00							5 9	5 9	24
20	5 U200	BEAM	E	10S			6 7.00	2 8.00					15 10	15 7	325
20	4 U201	BEAM	E	13S		2 8.00	3 1.00	2 8.00	3 1.00				12 3	12 0	160
43	6 U202	DIAPHRAGM	E	19S		3 6.00	4 6.50						8 1	7 11	511
27	5 U203	DIAPHRAGM	E	10S			4 2.75	2 2.00					10 8	10 5	293
27	6 U204	DIAPHRAGM	E	19S		3 4.75	2 9.00						6 2	6 0	243
32	5 U205	DIAPHRAGM	E	19S		2 0.00	15.00						3 3	3 2	106
14	5 V200	BEAM	E	20		6 7.00							6 7	6 7	96
12	6 V201	DIAPHRAGM	E	20		3 4.75							3 5	3 5	62
44	6 V202	WING	E	20		7 8.75							7 9	7 9	512
		SLAB													
147	6 S1	SLAB	E	20		34 5.00							34 5	34 5	7,599
29	5 S2	SLAB	E	20		60 0.00							60 0	60 0	1,815
222	5 S3	SLAB	E	20		3 10.00							3 10	3 10	888
8	5 S4	SLAB	E	20		60 0.00							60 0	60 0	501
29	5 S5	SLAB	E	20		20 8.00							20 8	20 8	625
8	5 S6	SLAB	E	20		20 8.00							20 8	20 8	172
		BARRIER													
		TYPE D													
8	5 C1	SLIP FORM	E	20		12 0.00							12 0	12 0	100
8	5 C2	SLIP FORM	E	20		10 6.00							10 6	10 6	88
20	5 K1	BARRIER	E	27S		3 8.00	9.25	5.25	3 2.75		5.25	1.00	8 1	7 11	165
70	5 K2	BARRIER	E	27S		3 8.00	9.25	14.50	2 5.75		14.25	2.75	8 2	7 11	578
20	5 K4	BARRIER	E	19S	4	2 4.25	10.00						3 2	3 1	
		Incr. = 0.500"				2 6.25	10.00						3 4	3 3	66

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
20	5 K5	BARRIER	E	38S	4			18.50	9.50	8.25	18.00	4.00	3 0	2 11	
		Incr. = 0.500"						20.50	9.50	8.25	20.00	4.50	3 2	3 1	63
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 4	42
36	5 K8	BARRIER	E	19S	4	2 8.50	10.00						3 7	3 5	
		Incr. = 0.750"				3 2.50	10.00						4 1	3 11	138
36	5 K9	BARRIER	E	21S	4		2 8.50	10.00			2 7.75	6.75	3 7	3 6	
		Incr. = 0.750"					3 2.50	10.00			3 1.75	7.75	4 1	4 0	141
16	5 K10	BARRIER	E	19S		3 3.00	10.00						4 1	4 0	67
16	5 K11	BARRIER	E	21S			3 3.00	10.00			3 2.25	7.75	4 1	4 0	67
24	5 K12	BARRIER	E	20		12 9.00							12 9	12 9	319
12	5 K13	BARRIER	E	20	4	12 0.00							12 0	12 0	
		Incr. = 36.000"				6 0.00							6 0	6 0	113
24	5 K14	BARRIER	E	20		12 9.00							12 9	12 9	319
12	5 K15	BARRIER	E	20	4	12 0.00							12 0	12 0	
		Incr. = 36.000"				6 0.00							6 0	6 0	113
148	5 R1	BARRIER	E	26		3 3.00	5.50	2.25	3 1.25	5.50	3 0.75	6.75	7 0	6 9	1,042
148	5 R2	BARRIER	E	19S		20.50	9.50						2 6	2 5	373
148	5 R3	BARRIER	E	27S			9.50	15.25	5.00	12.00	15.00	3.00	3 6	3 4	515
40	5 R5	BARRIER	E	20		38 2.00							38 2	38 2	1,592

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. 18.

Detailed October 2026
Checked October 2026

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

BILL OF REINFORCING STEEL

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

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.

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
10/6/2026

ROUTE	STATE
32	MO
DISTRICT	SHEET NO.
BR	19

COUNTY
POLK

JOB NO.
JSR0059

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
A9327

DESCRIPTION	DATE

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

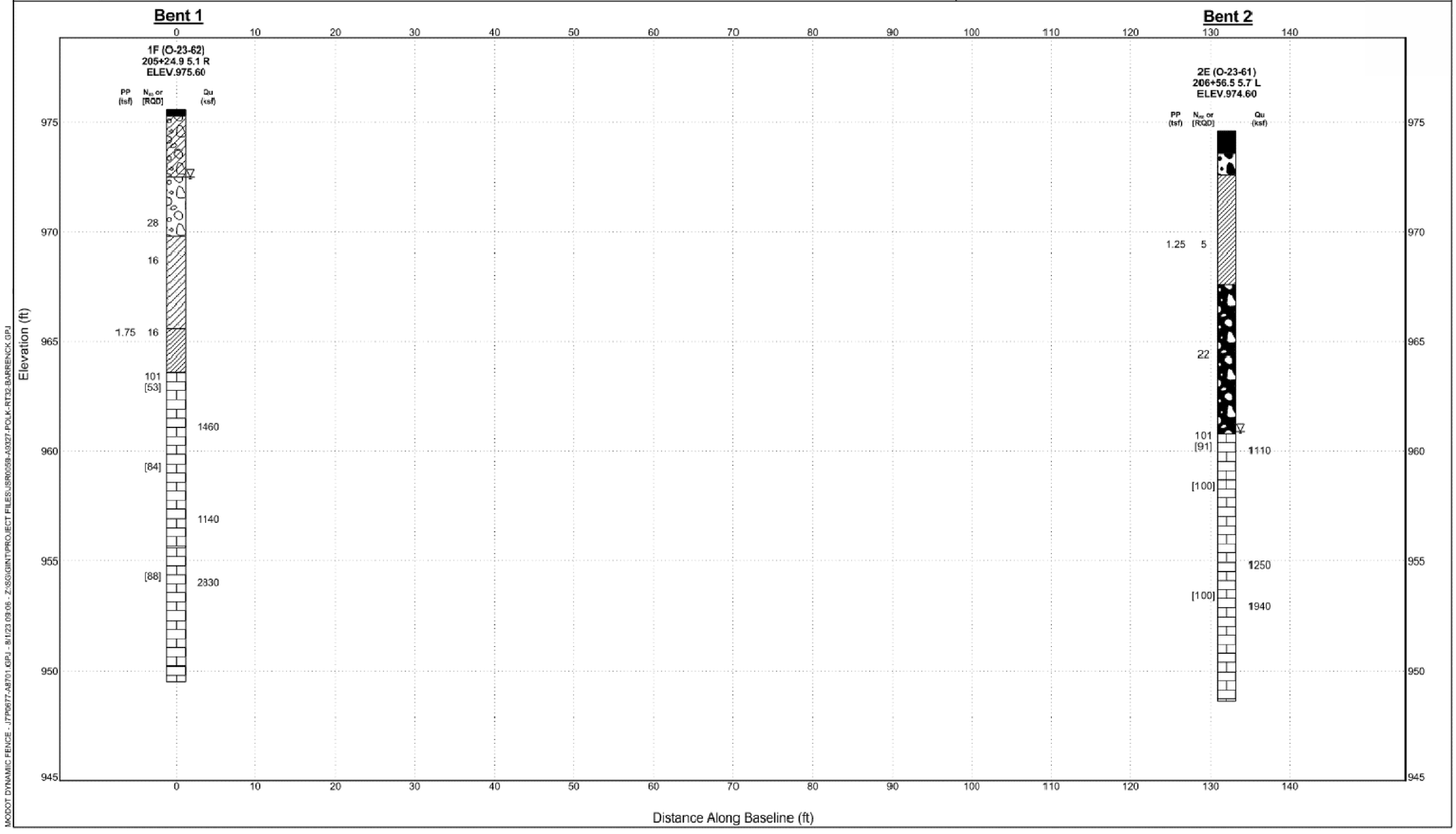
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearedwn.com
Engineering beyond.

MoDOT-Geotechnical Section
1617 Missouri Blvd
Jefferson City, MO 65109

SUBSURFACE DIAGRAM

PROJECT NAME Bridge Replacement MGK
PROJECT LOCATION Barren Creek
CLIENT
PROJECT NUMBER JSR0059

- Asphalt
- USCS Clayey Sand
- USCS Well-graded Gravel
- USCS Clayey Gravel
- USCS Low Plasticity Clay
- Boulders and cobbles
- USCS Poorly-graded Gravel
- Limestone



BORING DATA

Note: For location of borings, see sheet 1.

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

Detailed: March 2024
Checked: August 2026

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STATE OF MISSOURI
SEAN D. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 20
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9327

DESCRIPTION | DATE

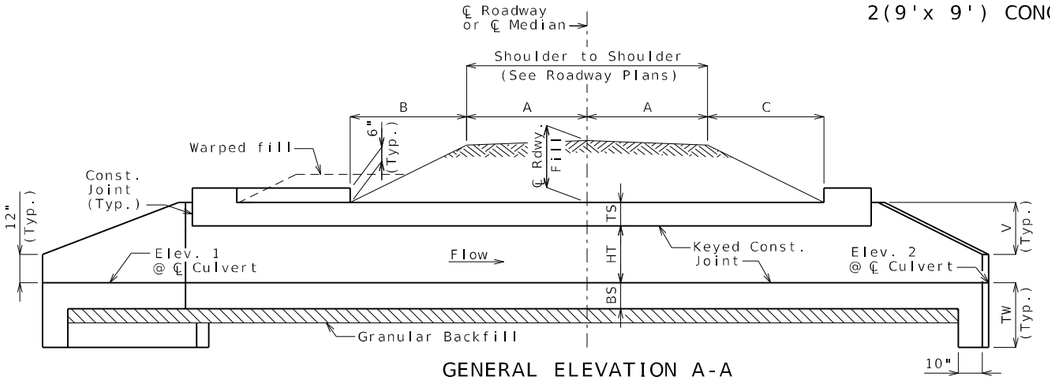
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Carthage, MO 64836
417.358.9551
COA# 00062
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MODOT DYNAMIC FENCE - J7P0677-A8701.GPJ - 8/1/23 09:06 - Z:\SIG\GINT\PROJECT FILES\JSR0059-A9327-POLK-RT32-BARRENCK.GPJ

2(9'x 9') CONCRETE BOX CULVERT

SEC/SUR 3 TWP 33N RGE 24W

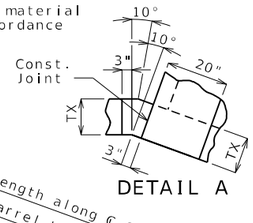


GENERAL ELEVATION A-A

Construction joint key not shown for clarity, see standard plans for details.

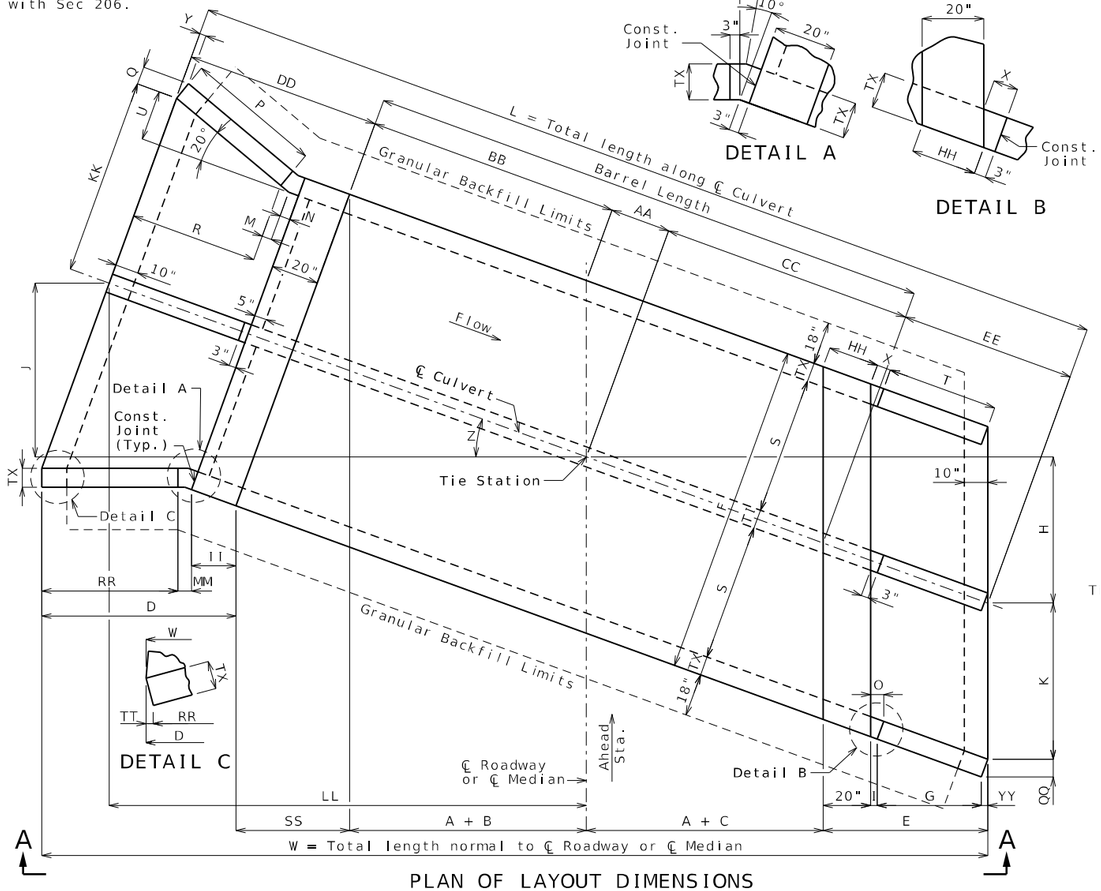
If any part of the barrel is exposed, the roadway fill shall be warped to provide 12 inches minimum cover. (Roadway Item)

If unsuitable material is encountered, excavation of unsuitable material and furnishing and placing of granular backfill shall be in accordance with Sec 206.



DETAIL A

DETAIL B



DETAIL C

PLAN OF LAYOUT DIMENSIONS

Layout Dimensions

Var.	Equation	Dim.	Var.	Equation	Dim.	Var.	Equation	Dim.
S	- - -	9'-0"	K	(S + TI/2)(sec Z)	11'-3¼"	BB	(A + B)(sec Z)	44'-7⅜"
HT	- - -	9'-0"	L	AA + BB + CC + DD + EE	114'-1"	CC	(A + C)(sec Z)	22'-9¼"
TS	- - -	13"	M	N(cos 20°)	4⅛"	DD	R + M + N + 20"	23'-2⅛"
BS	- - -	10"	N	3" + TX(tan 10°)	4⅜"	EE	E(sec Z)	20'-9½"
TX	- - -	8"	O	I + YY	5"	HH	20"(sec Z)	20¾"
TI	- - -	8"	P	2V[sec(Z + 20°)]	22'-2⅛"	II	20"(cos Z)	20⅜"
A	- - -	16'-0"	Q	TX(cos 20°)	7½"	KK	S + TI/2 + U	17'-½"
B	- - -	27'-1⅛"	R	P(cos 20°)	20'-10⅛"	LL	(AA + BB + DD)(cos Z)	68'-1⅜"
C	- - -	5'-11⅞"	T	G(sec Z)	18'-9¾"	MM	3"[cos Z + cos(Z - 20°)]	5⅛"
D	II + MM + RR + TT	24'-3"	U	(R + M)(tan 20°)	7'-8½"	QQ	TX(cos Z)	7¾"
E	G + O + 20"	20'-1"	V	HT + TS - 12"	9'-1"	RR	P[cos(Z - 20°)]	22'-1⅛"
F	2S + 2TX + TI	20'-0"	W	2A + B + C + D + E + SS	115'-0"	SS	F(sin Z)	5'-2⅛"
G	2V	18'-2"	X	3" + TX(tan Z)	5⅛"	TT	TX[sin(20°- Z)]	¾"
H	(A + C + E)(tan Z)	11'-3¼"	Y	TX(sin 20°)	2¾"	YY	TX(sin Z)	2⅛"
I	3"(cos Z)	2⅞"	Z	Skew Angle	15°	TW	Max{3'-4" or (BS + 12")}	3'-4"
J	(AA + BB + DD)(sin Z)	18'-3"	AA	F(tan Z)/2	2'-8⅛"			

Hydrologic Data

Drainage Area = 0.98 mi^2
Design Flood Frequency = 50 years
Design Flood Discharge = 1090 cfs
Design Flood (D.F.) Elevation = 1051.9
Base Flood (100-year)
Base Flood Elevation = 1052.5
Base Flood Discharge = 1290 cfs
Estimated Backwater = 1.0 ft
Outlet Velocity = 8.7 ft/s
Roadway Overtopping
Overtopping Flood Discharge = 1430 cfs
Overtopping Flood Frequency = 200 years
Overtopping Flood Elevation = 1052.7

Elevations

Upstream (Elev. 1) = 1042.03
Downstream (Elev. 2) = 1041.70
Pr. Gr. at Tie Sta. = 1052.72

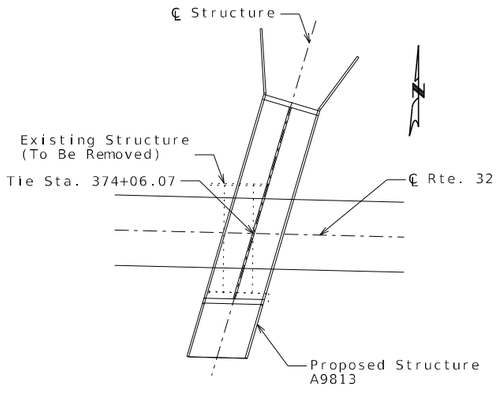
Fill Heights

℄ Rdwy at ℄ Culvert = 2.97 ft
Design (All units) = 2 ft - 4 ft

Dimensions are based on end units.
Fill heights are measured from the top of top slab to the top of earth fill or roadway.

Estimated Quantities

			Final
Class 4 Excavation	cu. yard	650	
Temporary Shoring	lump sum	1	
Dewatering	lump sum	1	
Class B-1 Concrete (Culverts-Bridge)	cu. yard	196.2	
Reinforcing Steel (Culverts-Bridge)	pound	33,300	



LOCATION SKETCH

General Notes:

Design Specifications:
2010 AASHTO LRFD Bridge Design Specifications and 2010 Interim Revisions

Design Loading:
Vehicular = HL-93 minus lane load, Earth = 120 lb/cf
Equivalent Fluid Pressure = 30 lb/cf (min.), 60 lb/cf (max.)

Design Unit Stresses:
Class B-1 Concrete (Box Culvert) f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60) fy = 60,000 psi

Standard Plans:
703.37, 703.43, 703.46, 703.47

Miscellaneous:
MoDOT Construction personnel will indicate the type of box culvert constructed:
☐ Precast Concrete Box used
☐ Cast-in-Place Concrete Box used

When alternate precast concrete box sections are used, the minimum distance from inside face of headwalls to precast sections measured along the shortest wall shall be 3 feet. Reinforcement and dimensions for wings and headwalls shall be in accordance with Missouri Standard Plans.

Channel bottom shall be graded within the right of way for transition of channel bed to culvert openings. Channel banks shall be tapered to match culvert openings. (Roadway Item)

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

B.M. Elev. 1052.08 NGS MON M167
404± feet west of bridge-culvert south side of Rte 32.
Station 370+01.79, 18.44' RT

CULVERT: ROUTE 32 OVER BEAR CREEK TRIBUTARY 4

ROUTE 32 FROM ROUTE 123 TO ROUTE 13
ABOUT 2.3 MILES WEST OF ROUTE 13
TIE STA. 374+06.07

Top Slab Reinforcement						Bottom Slab Reinforcement									Wall Reinforcement				
A1 Bars		J3 Bars		H1 Bars		H2 Bars		A2 Bars		J4 Bars		H3 Bars			B1 Bars		B2 Bars		
Sz.	Spa.	Sz.	Spa.	C1	K2	Sz.	Spa.	C5	Sz.	Spa.	C6	Sz.	Spa.	C4	K3	Sz.	Spa.	C7	Sz.	Spa.	Sz.	Spa.	G1
5	6.5	6	7	47.3	33.0	5	15	91.5	5	15	29.0	5	7.5	6	6	66.6	114	6	6	46.0	5	12	5	10.5	12

Designed: August 2026
Detailed: August 2026
Checked: August 2026

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

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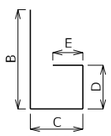
STATE OF MISSOURI
SEAN D. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/7/2026
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DISTRICT BR | SHEET NO. 1
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9813

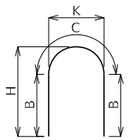
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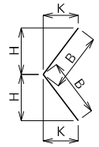
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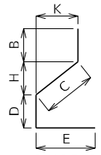
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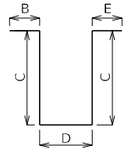
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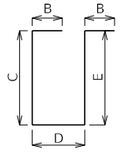
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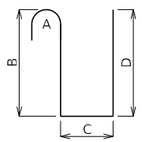
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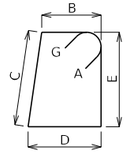
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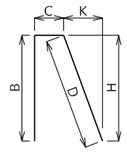
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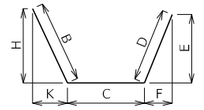
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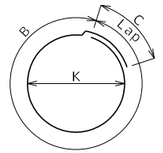
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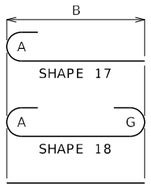
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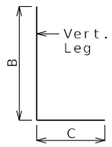
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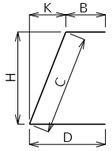
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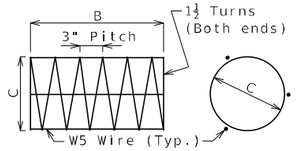
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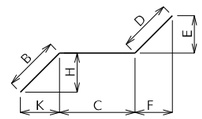
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or 19S



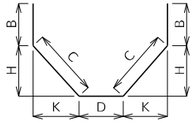
SHAPE 21
or 21S



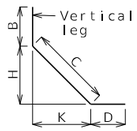
SHAPE 22



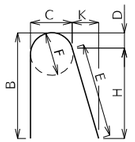
SHAPE 23
or 23S



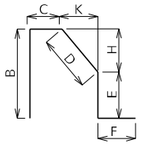
SHAPE 24
or 24S



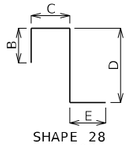
SHAPE 25
or 25S



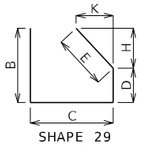
SHAPE 26



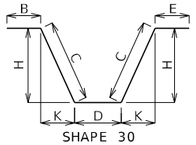
SHAPE 27S



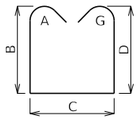
SHAPE 28
or 28S



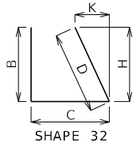
SHAPE 29
or 29S



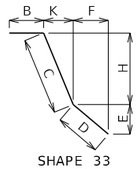
SHAPE 30
or 30S



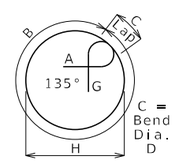
SHAPE 31S



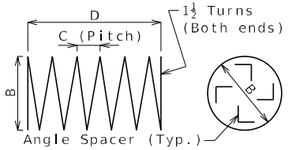
SHAPE 32
or 32S



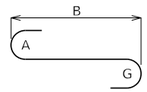
SHAPE 33
or 33S



SHAPE 34S



SHAPE 35 (1)

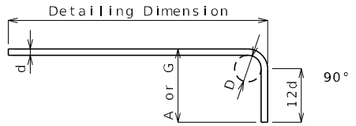


SHAPE 36

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"

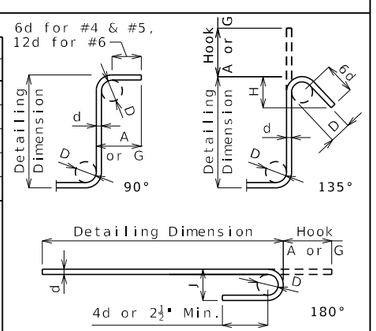


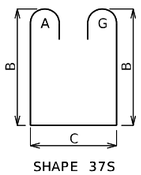
Stirrup Pin Bend Shapes (S)

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"	3⅜"	3¾"
	3	3¾"	6¼"	6½"	7"	3⅞"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅜"	6"

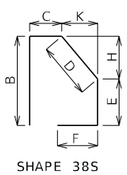
Applicable for all grades of steel.

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

		Culvert			
		Units			Slip
	Size	Plain	Coated	Barrier	Form
By Size	W5	0	0	0	0
	4	5,499	0	0	0
	5	12,901	0	0	0
	6	13,044	0	0	0
	7	1,340	0	0	0
	8	518	0	0	0
	9	0	0	0	0
	10	0	0	0	0
	11	0	0	0	0
	14	0	0	0	0
	18	0	0	0	0
By Type		33,302	0	0	0

All reinforcing steel values are represented in pounds.

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

Detailed October 2026
Checked October 2026

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

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 2
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9813

DESCRIPTION | DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B	C	D	E	F	H	K	Nom. Length	Actual Length	Weight
						ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	lb
		UPPER													
		UNIT 1													
34	5 A4	BOTT SLAB - TOP		20	1	19 10.00							19 10	19 10	
		Incr. = 5.500"				34 10.00							34 10	34 10	969
2	8 D1	HEADWALL		20		19 9.00							19 9	19 9	105
2	8 D2	HEADWALL		20		8 0.00							8 0	8 0	43
12	5 E1	TOE WALL		20		4 2.00							4 2	4 2	52
3	4 F18	BOTT SLAB - BOTT		20		24 0.00							24 0	24 0	48
4	4 F19	BOTT SLAB - BOTT		21		3 0.00	22 4.25				7 7.75	21 0.00	25 4	23 10	64
17	4 F20	BOTT SLAB - TOP		20		24 0.00							24 0	24 0	273
12	4 F21	BOTT SLAB - TOP		20	2	2 10.00							2 10	2 10	
		Incr. = 38.625"				18 10.50							18 11	18 11	87
14	4 F22	INTERIOR WINGS		20	2	6 3.50							6 4	6 4	
		Incr. = 32.875"				22 8.50							22 9	22 9	136
14	4 F23	EXTERIOR WINGS		21	2	3 0.00	3 8.00				15.00	3 5.25	6 8	5 2	
		Incr. = 34.875"				3 0.00	21 0.50				7 3.25	19 9.00	24 1	22 7	130
42	5 G2	INTERIOR WINGS		20	2	2 0.00							2 0	2 0	
		Incr. = 5.125"				10 6.00							10 6	10 6	274
42	6 H4	BOTT SLAB - BOTT		20		7 8.00							7 8	7 8	484
4	7 J1	INTERIOR WINGS		15		24 11.75	2 9.00				22 4.00	11 2.00	27 9	27 6	225
42	6 J5	EXTERIOR WINGS		19S	2	2 5.00	5 7.00						8 0	7 10	
		Incr. = 4.750"				10 5.00	5 7.00						16 0	15 10	746
8	7 J6	EXTERIOR WINGS		15		24 5.50	2 9.00				22 9.00	9 0.00	27 3	26 11	440
20	5 R1	HEADWALL		27S		17 0.00	11.75	6.25	2 2.50		4.50	4.50	20 9	20 7	429
20	5 R2	HEADWALL		10S			10.50	10.00					2 7	2 4	49
		BARREL													
		UNIT 2													
130	5 A1	TOP SLAB - BOTT		20		19 9.00							19 9	19 9	2,678
112	5 A2	BOTT SLAB - TOP		20		19 9.00							19 9	19 9	2,307
9	5 A3	TOP SLAB - BOTT		20	1	13.25							1 1	1 1	
		Incr. = 25.750"				18 3.25							18 3	18 3	91
148	5 B1	INTERIOR WALL		10S			12.00	10 5.00					12 5	12 2	1,878
168	5 B2	EXTERIOR WALLS		10S			12.00	10 5.00					12 5	12 2	2,132
9	4 F1	TOP SLAB - TOP		20		60 0.00							60 0	60 0	361
2	4 F2	TOP SLAB - TOP		20	1	13 0.00							13 0	13 0	
		Incr. = 12.000"				14 0.00							14 0	14 0	18
5	4 F3	TOP SLAB - TOP		20	1	14 11.75							15 0	15 0	
		Incr. = 3.750"				16 2.75							16 3	16 3	52
2	4 F4	TOP SLAB - TOP		20	1	17 2.50							17 3	17 3	
		Incr. = 12.000"				18 2.50							18 3	18 3	24
17	4 F5	TOP SLAB - BOTT		20		60 0.00							60 0	60 0	681
17	4 F6	TOP SLAB - BOTT		20	1	13 0.75							13 1	13 1	
		Incr. = 3.875"				18 2.00							18 2	18 2	177
7	4 F7	BOTT SLAB - BOTT		20		60 0.00							60 0	60 0	281
2	4 F8	BOTT SLAB - BOTT		20	1	13 0.00							13 0	13 0	
		Incr. = 17.000"				14 5.00							14 5	14 5	18
3	4 F9	BOTT SLAB - BOTT		20	1	14 7.50							14 8	14 8	
		Incr. = 11.500"				16 7.25							16 7	16 7	31
2	4 F10	BOTT SLAB - BOTT		20	1	16 9.50							16 10	16 10	
		Incr. = 17.000"				18 2.50							18 3	18 3	23
17	4 F11	BOTT SLAB - TOP		20		60 0.00							60 0	60 0	681
17	4 F12	BOTT SLAB - TOP		20	1	12 11.75							13 0	13 0	
		Incr. = 3.875"				18 1.50							18 2	18 2	177
18	4 F13	EXTERIOR WALLS		20		60 0.00							60 0	60 0	721
9	4 F14	EXTERIOR WALL		20		12 11.75							13 0	13 0	78
9	4 F15	EXTERIOR WALL		20		18 1.50							18 2	18 2	109
14	4 F16	INTERIOR WALL		20		60 0.00							60 0	60 0	561
14	4 F17	INTERIOR WALL		20		15 7.50							15 8	15 8	147
29	5 H1	TOP SLAB - TOP		20		15 3.00							15 3	15 3	461

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	SH	V	Dimensions B	C	D	E	F	H	K	Nom. Length	Actual Length	Weight
						ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	lb
31	5 H2	TOP SLAB - TOP		20		4 10.00							4 10	4 10	156
146	6 H3	BOTT SLAB - BOTT		20		7 8.00							7 8	7 8	1,681
249	6 J3	EXTERIOR WALLS		19S		2 9.00	3 11.50						6 9	6 7	2,462
290	6 J4	EXTERIOR WALLS		19S		9 6.00	5 7.00						15 1	14 11	6,497
		LOWER													
		UNIT 3													
30	5 A5	BOTT SLAB - TOP		20		19 9.00							19 9	19 9	618
7	5 A6	BOTT SLAB - TOP		20	1	4 6.00							4 6	4 6	
		Incr. = 28.000"				18 6.00							18 6	18 6	84
2	8 D3	HEADWALL		20		20 5.00							20 5	20 5	109
2	8 D4	HEADWALL		20		8 0.00							8 0	8 0	43
12	5 E2	TOE WALL		20		4 2.00							4 2	4 2	52
7	4 F24	BOTT SLAB - BOTT		20		21 9.00							21 9	21 9	102
17	4 F25	BOTT SLAB - BOTT		20		21 9.00							21 9	21 9	247
28	4 F26	WING		20	4	6 3.50							6 4	6 4	
		Incr. = 32.875"				22 8.50							22 9	22 9	272
50	5 G3	EXTERIOR WINGS		20	2	2 0.00							2 0	2 0	
		Incr. = 4.250"				10 6.00							10 6	10 6	326
42	5 G4	INTERIOR WINGS		20	2	2 0.00							2 0	2 0	
		Incr. = 5.125"				10 6.00							10 6	10 6	274
38	6 H5	BOTT SLAB - BOTT		20		7 8.00							7 8	7 8	438
4	8 H6	HEADWALL		20		20 5.00							20 5	20 5	218
12	7 J2	WING		15		24 11.75	2 9.00				22 4.00	11 2.00	27 9	27 6	675
42	6 J7	EXTERIOR WINGS		19S	2	2 0.00	5 7.00						7 7	7 5	
		Incr. = 5.125"				10 6.00	5 7.00						16 1	15 11	736
20	5 R3	HEADWALL		10S			17.00	10.00					3 8	3 5	71

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. 2.

Detailed October 2026
Checked October 2026

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.

BILL OF REINFORCING STEEL

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

STATE OF MISSOURI
JEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 32 | STATE MO
DISTRICT BR | SHEET NO. 3
COUNTY POLK
JOB NO. JSR0059
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. A9813

DESCRIPTION | DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

DESIGN DESIGNATION

A.A.D.T. - 2025 = 935
A.A.D.T. - 2045 = 1054
D.H.V. = 11.1%
T = 4.3%
V = 55 M.P.H.
D = 50.1%/49.9%

FUNCTIONAL CLASSIFICATION-MINOR ARTERIAL

NORMAL RIGHT OF WAY

NEW R/W ACQUISITION
4.13 AC. NEW R/W
0.70 AC. TEMP. EASEMENTS

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

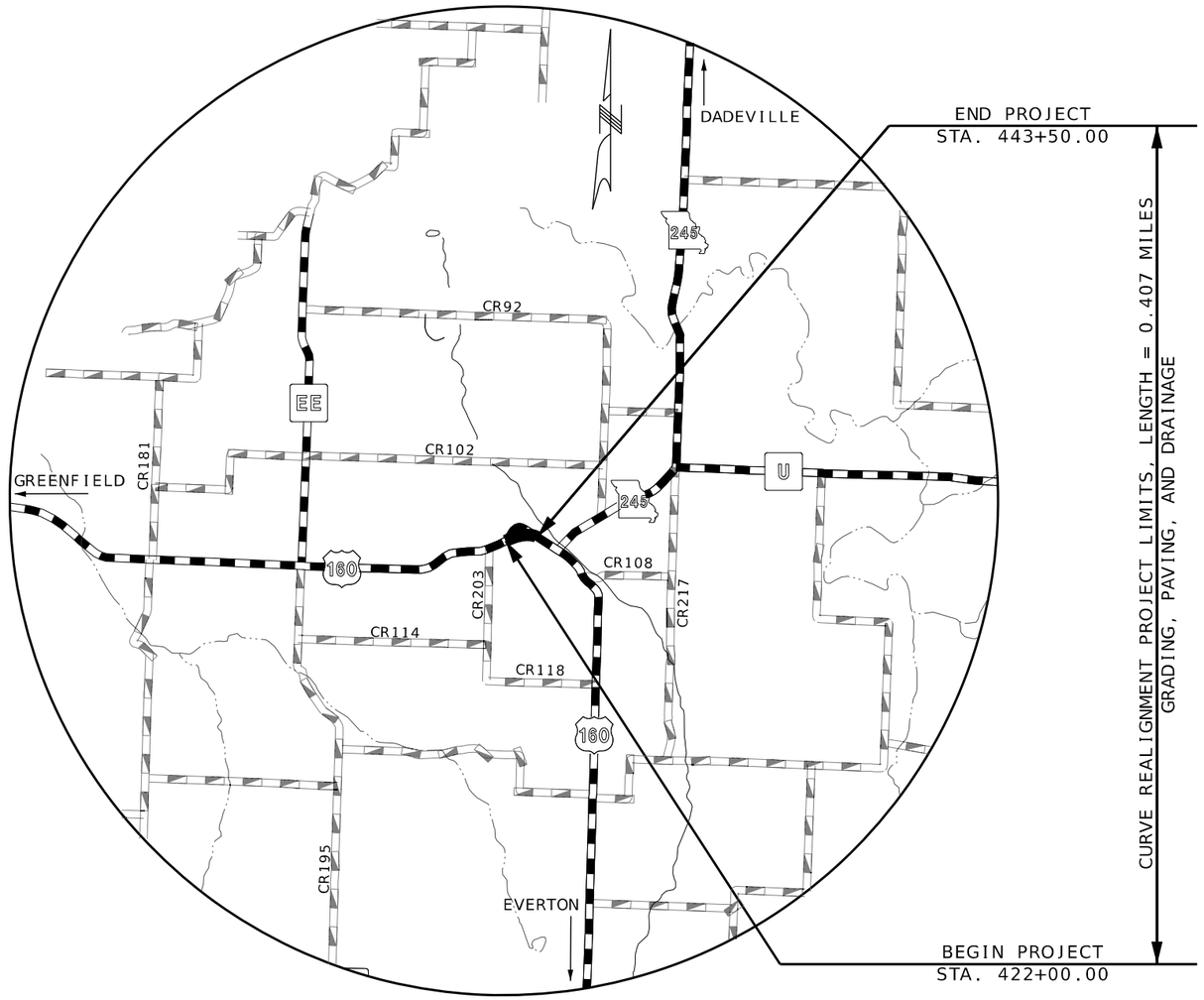
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY DADE COUNTY



KEY MAP
LOCATION OF DADE COUNTY

SECTION 17
T31N R25W



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. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
PLAN-PROFILE (PP)	4-8
RIGHT OF WAY (RW)	-
REFERENCE POINTS (RP)	-
COORDINATE POINTS (CP)	9
SPECIAL SHEETS (SS)	-
TRAFFIC CONTROL SHEETS (TC)	10-12
EROSION CONTROL SHEETS (EC)	13-15
SIGNING (SN)	16-18
PAVEMENT MARKING (PM)	19
CULVERT SECTIONS (CS)	20
CROSS SECTIONS (XS)	1-23

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 422+00.00
END OF PROJECT	STA. 443+50.00
APPARENT LENGTH	2150 FEET
EQUATIONS AND EXCEPTIONS:	NONE
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	2150.00 FEET
STATE LENGTH	0.407 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	4.9 ACRES

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	1

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

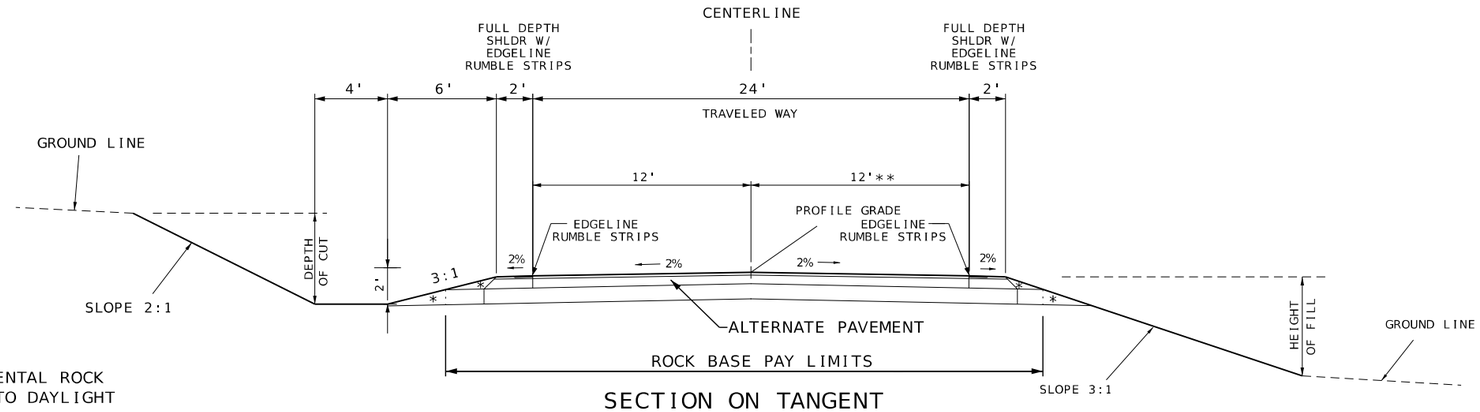
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



* INCIDENTAL ROCK
BASE TO DAYLIGHT

** FOR CURVE WIDENING
SEE STD. PLAN 203.22A

STA. 427+71.67 TO STA. 429+65.67 - 12' TO 14.7'
STA. 429+65.67 TO STA. 440+21.54 - 14.7'
STA. 440+21.54 TO STA. 442+15.54 - 14.7 TO 12'

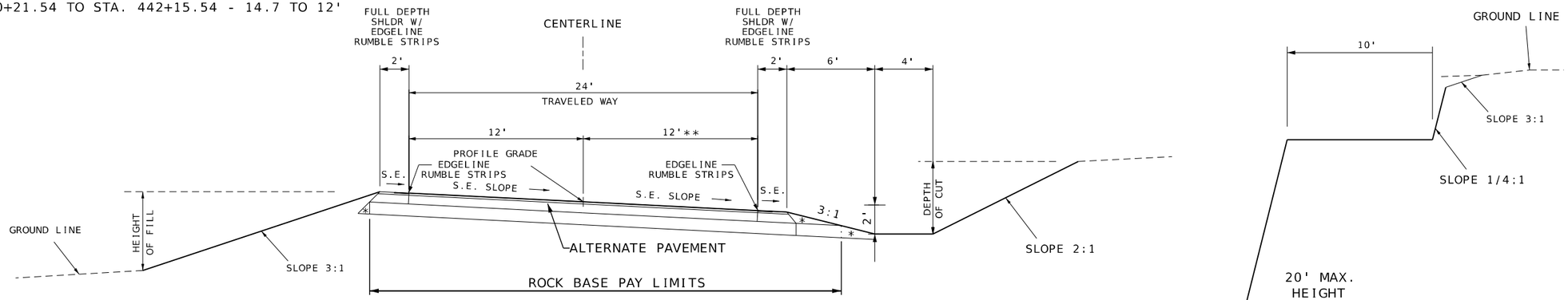
SECTION ON TANGENT
TYPICAL SECTION RTE. 160
STA. 422+00.00 TO STA. 443+50.00

CROSS SLOPE

(1) 2.0%

(2) S.E. SLOPE IF GREATER THAN 4.0%.

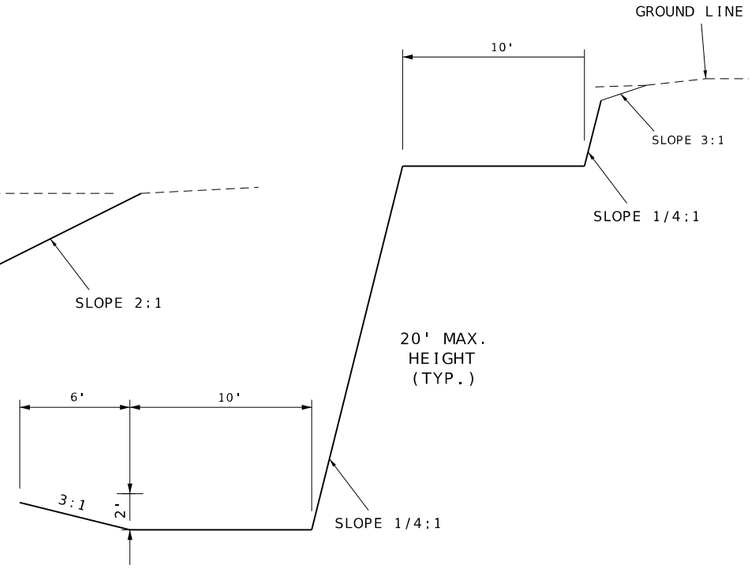
ROUTE 160 SUPERELEVATION TRANSITION			
STATION		℄	
422+00.00		← -2.5% , -0.3% →	MATCH EXIST.
422+50.00		← -2.0% , -2.0% →	NORMAL CROWN
427+20.58	A-A	← -2.0% , -2.0% →	NORMAL CROWN
427+71.64	B-B	0.0% , -2.0% →	LEVEL CROWN
428+22.70	C-C	2.0% → , -2.0% →	REVERSE CROWN
429+65.68	D-D	7.6% → , 7.6% →	BEGIN FULL SUPER
440+21.53	D-D	7.6% → , 7.6% →	END FULL SUPER
441+64.51	C-C	2.0% → , -2.0% →	REVERSE CROWN
442+15.57		0.0% , -1.9% →	
442+66.63		← -2.0% , -1.7% →	
443+50.00		← -2.3% , -1.5% →	MATCH EXIST.



SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. 160
STA. 422+00.00 TO STA. 443+50.00

ALTERNATE PAVEMENT			
HMA DESIGN (ALT G)	PCCP DESIGN (ALT H)	SHOULDERS	BASE TYPE
7" HMA	7" PCCP	FULL DEPTH	12" ROCK BASE
1.75" BP1 W/PG 64-22 5.25" BIT. BASE W/PG 64-22	W/15' JOINT SPACING AND 1.25" DOWELS (EXTENDED SLAB)		

NOT TO SCALE



BENCHING SECTION
TYPICAL ROCK SECTION RTE. 160 LT. & RT.
STA. 428+99.00 TO STA. 435+00.00

TYPICAL SECTIONS
SHEET 1 OF 1

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
DADE

JOB NO.
JSR0104

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)

2215 Fairlawn Dr
Carthage, MO 64836
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Engineering beyond.™

REMOVAL OF IMPROVEMENTS

STA.	STA.	RTE.	LOCATION	QTY	DESCRIPTION
422+00.00	426+35.78	EXIST. ROUTE 160	40' RT.	1	451' BARBED WIRE FENCE
424+11.62		EXIST. ROUTE 160	21' RT.	1	CHEVRON SIGN AND POST
424+87.10		EXIST. ROUTE 160	19' RT.	1	CHEVRON SIGN AND POST
425+29.01		EXIST. ROUTE 160	18' RT.	1	CHEVRON SIGN AND POST
425+71.16		EXIST. ROUTE 160	17' RT.	1	CHEVRON SIGN AND POST
426+11.98		EXIST. ROUTE 160	18' RT.	1	CHEVRON SIGN AND POST
426+25.39		EXIST. ROUTE 160	10' RT.	1	MAILBOX
426+44.40		EXIST. ROUTE 160	30' RT.	1	18" X 35' RCP
426+47.25	428+69.06	EXIST. ROUTE 160	40' RT.	1	243' BARBED WIRE FENCE
426+77.00		EXIST. ROUTE 160	18' RT.	1	CHEVRON SIGN AND POST
426+80.33		EXIST. ROUTE 160	21' RT.	1	LEFT ARROW SIGN AND (2) POSTS
427+08.18		EXIST. ROUTE 160	21' LT.	1	OBJECT MARKER SIGN AND POST
426+98.43		EXIST. ROUTE 160	21' RT.	1	RIGHT ARROW SIGN AND (2) POSTS
427+05.92		EXIST. ROUTE 160	C.L.	1	2'X2'X40' CONC. BOX CULVERT WITH HDWLLS
427+08.94		EXIST. ROUTE 160	18' RT.	1	CHEVRON SIGN AND POST
427+49.35		EXIST. ROUTE 160	19' RT.	1	CHEVRON SIGN AND POST
427+91.55		EXIST. ROUTE 160	20' RT.	1	CHEVRON SIGN AND POST
428+32.16		EXIST. ROUTE 160	20' RT.	1	CHEVRON SIGN AND POST
428+76.24		EXIST. ROUTE 160	21' RT.	1	CHEVRON SIGN AND POST
429+14.55		EXIST. ROUTE 160	23' RT.	1	CHEVRON SIGN AND POST
422+00.00	427+07.88	EXIST. ROUTE 160	40'-65' LT.	1	495' BARBED WIRE FENCE
430+07.79		EXIST. ROUTE 160	18' LT.	1	CHEVRON SIGN AND POST
430+61.35		EXIST. ROUTE 160	14' LT.	1	CHEVRON SIGN AND POST
430+91.15		EXIST. ROUTE 160	12' LT.	1	CHEVRON SIGN AND POST
431+20.66		EXIST. ROUTE 160	11' LT.	1	CHEVRON SIGN AND POST
431+49.47		EXIST. ROUTE 160	11' LT.	1	CHEVRON SIGN AND POST
431+78.56		EXIST. ROUTE 160	12' LT.	1	CHEVRON SIGN AND POST
432+04.59		EXIST. ROUTE 160	16' LT.	1	RIGHT ARROW SIGN AND (2) POSTS
432+09.74		EXIST. ROUTE 160	13' LT.	1	CHEVRON SIGN AND POST
432+25.00		EXIST. ROUTE 160	16' LT.	1	LEFT ARROW SIGN AND (2) POSTS
433+00.00		EXIST. ROUTE 160	16' LT.	1	CHEVRON SIGN AND POST
433+29.54		EXIST. ROUTE 160	17' LT.	1	CHEVRON SIGN AND POST
433+59.13		EXIST. ROUTE 160	18' LT.	1	CHEVRON SIGN AND POST
433+88.26		EXIST. ROUTE 160	18' LT.	1	CHEVRON SIGN AND POST
434+17.58		EXIST. ROUTE 160	19' LT.	1	CHEVRON SIGN AND POST
434+48.24		EXIST. ROUTE 160	19' LT.	1	CHEVRON SIGN AND POST
434+76.50		EXIST. ROUTE 160	18' LT.	1	CHEVRON SIGN AND POST
435+05.85		EXIST. ROUTE 160	18' LT.	1	CHEVRON SIGN AND POST
435+16.47		EXIST. ROUTE 160	17' LT.	1	LEFT ARROW SIGN AND (2) POSTS
435+34.49		EXIST. ROUTE 160	19' LT.	1	CHEVRON SIGN AND POST
435+61.10		EXIST. ROUTE 160	22' LT.	1	CHEVRON SIGN AND POST
435+85.91		EXIST. ROUTE 160	24' LT.	1	CHEVRON SIGN AND POST
436+14.80		EXIST. ROUTE 160	24' LT.	1	CHEVRON SIGN AND POST
436+37.37		EXIST. ROUTE 160	23' LT.	1	CHEVRON SIGN AND POST
438+47.53		EXIST. ROUTE 160	24' LT.	1	WARNING CURVE SIGN AND POST
438+74.06	445+27.34	EXIST. ROUTE 160	40' RT.	1	681' BARBED WIRE FENCE
440+51.20	445+27.34	EXIST. ROUTE 160	40' LT.	1	476' BARBED WIRE FENCE
441+71.92	441+88.16	EXIST. ROUTE 160	42' LT.	1	30' PIPE FENCE AND GATE
441+82.95		EXIST. ROUTE 160	24' LT.	1	18" X 19' CMP (ENTRANCE PIPE)
443+55.80		EXIST. ROUTE 160	17' RT.	1	POST FOR JUNCTION 160 SIGN
446+09.83		EXIST. ROUTE 160	23' RT.	1	(2) POSTS FOR DISTANCE SIGN
446+53.89		EXIST. ROUTE 160	22' LT.	1	POST FOR SPEED LIMIT SIGN
			LUMP SUM	1	

CLEARING & GRUBBING

4 ACRES

COMPACTING IN CUT

STA.	STA.	LOCATION	(STA.)	REMARKS
422+00.00	424+00.00	ROUTE 160	2.0	
428+75.00	435+75.00	ROUTE 160	7.0	
440+75.00	443+50.00	ROUTE 160	2.8	
		TOTAL	11.8	

LINEAR GRADING CLASS 1

STA.	STA.	LOCATION	(STA.)	REMARKS
427+92.73	438+84.40	EXIST. ROUTE 160	10.9	OBLITERATE EXIST. ROUTE 160
426+51.35	426+74.01	ROUTE 160 RT.	0.6	OBLITERATE ENTRANCE
		TOTAL	11.5	

CONTRACTOR FURNISHED SURVEYING AND STAKING

1 LUMP SUM

MOBILIZATION

1 LUMP SUM

EARTHWORK

STA.	STA.	ROUTE	UNCLASSIFIED EXCAVATION (C.Y.)	COMPACTING EMBANKMENT (C.Y.)	REMARKS
422+00.00	428+50.00	RTE 160, W. CONNECTION	1,334.3	7,817.4	OBTAIN 7601 CY FROM 160 RELOC.
428+50.00	436+50.00	RTE 160, RELOCATION	22,252.3	1,160.3	USE 20,926 CY ON CONNECTIONS & ENTRANCES
436+50.00	443+50.00	RTE 160, E. CONNECTION	742.0	7,225.1	OBTAIN 7516 CY FROM 160 RELOC.
426+00.00	LT.	DRIVEWAY	1.6	2,167.3	OBTAIN 2476 CY FROM 160 RELOC.
426+00.00	RT.	DRIVEWAY	68.0	426.5	OBTAIN 419 CY FROM 160 RELOC.
443+00.00	LT.	DRIVEWAY	5.4	72.1	OBTAIN 77 CY FROM 160 RELOC.
422+70.00	RT.	DRIVEWAY	12.5	13.6	OBTAIN 3 CY FROM 160 RELOC.
422+00.000	443+50.00	ROCK FOR 12" ROCK BASE			OBTAIN APPROX. 2,834 CY ROCK FROM 160 RELOC.
		TOTALS	24,416	18,882	

SUMMARY OF QUANTITIES
SHEET 1 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
DADE

JOB NO.
JSR0104

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearecwn.com
Engineering beyond.™

ALTERNATE PAVEMENT

STA.	STA.	RTE.	WIDTH	(ALT G) 7" HMA OR (ALT H) 7"PCCP (SY)	PLACING 12" ROCK BASE (SY)	REMARKS
						OBTAIN ROCK THROUGH BENCHED AREAS
422+00.00	423+00.00	ROUTE 160	22.46' TO 28'	280.33	324.67	INCL.'S FULL DEPTH SHLDR. LT & RT.
423+00.00	427+71.67	ROUTE 160	28'	1467.42	1673.56	INCL.'S FULL DEPTH SHLDR. LT & RT.
427+71.67	429+65.67	ROUTE 160	28' TO 30.7'	632.66	690.96	INCL.'S FULL DEPTH SHLDR. LT & RT.
429+65.67	440+21.54	ROUTE 160	30.7'	3601.69	3954.82	INCL.'S FULL DEPTH SHLDR. LT & RT.
440+21.54	442+15.54	ROUTE 160	30.7' TO 28'	632.66	691.38	INCL.'S FULL DEPTH SHLDR. LT & RT.
442+15.54	442+50.00	ROUTE 160	28'	107.21	122.06	INCL.'S FULL DEPTH SHLDR. LT & RT.
442+50.00	443+50.00	ROUTE 160	28' TO 22.83'	282.44	327.11	INCL.'S FULL DEPTH SHLDR. LT & RT.
			TOTAL	7004.41	7784.56	
			USE	7,004.4	7,785	

SHOULDER RUMBLE STRIPS

STA.	STA.	RTE.	ALT G BIT. (STA)	ALT H PCCP (STA)	REMARKS
423+00.00	424+60.00	ROUTE 160 RT.	1.60	1.60	
426+60.00	442+50.00	ROUTE 160 RT.	15.90	15.90	
423+00.00	425+40.00	ROUTE 160 LT.	2.40	2.40	
427+40.00	442+40.00	ROUTE 160 LT.	15.00	15.00	
		TOTAL	34.9	34.9	
		USE	34.9	34.9	

CULVERTS

STA.	ROUTE	SKEW	36" CLASS III RCP (LF)	36" CLASS III F.E.S. (EACH)	CL. 3 EXC. (CY)	ROCK LINING (CY)	REMARKS
427+09.71	ROUTE 160	6°28'04"R.A.	113	2	171	9	
		TOTAL	113	2	171	9	
		USE	113	2	171	9	

ENTRANCES

STA.	ROUTE	LOCATION	WIDTH (FT.)	RADIUS (FT.)	GRADE (%)	6" GRAVEL (A) OR CRUSHED STONE (B) (SY)	18" GROUP C PIPE (LF)	24" GROUP C PIPE (LF)	19" X 30" ELLIPTICAL PIPE (LF)	18" GROUP C F.E.S. EACH	24" GROUP C F.E.S. EACH	19" X 30" TAPERED END SECTION EACH	ROCK LINING (CY)	REMARKS
422+70.00	ROUTE 160	RT.	20	10	9.1	76			34			2		
426+00.00	ROUTE 160	LT.	20	25	-9.8	535	79			2			2	
426+00.00	ROUTE 160	RT.	20	25	-4.3	411		61			2		3	
433+00.00	ROUTE 160	LT.	20	25	-10	216								
					TOTAL	1238	79	61	34	2	2	2	5	
					USE	1,238	79	61	34	2	2	2	5	

CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)

RTE.	STA.	STA.	LOCATION	4" SOLID WHITE (FT.)	4" SOLID YELLOW (FT.)	REMARKS
ROUTE 160	422+00.00	443+50.00	RT	2150.00		
ROUTE 160	422+00.00	443+50.00	LT	2150.00		
ROUTE 160	422+00.00	443+50.00	C.L.		4300.00	DOUBLE YELLOW
			TOTAL	4300	4300	
			USE	4,300	4,300	

SUMMARY OF QUANTITIES
SHEET 2 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 9/01/2026
ROUTE 160 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY DADE
JOB NO. JSR0104
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)

2215 Fairlawn Dr
Carthage, MO 64836
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EROSION CONTROL

STA.	STA.	RTE.	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
423+22.00		ROUTE 160	RT.		14	1	
423+60.00		ROUTE 160	LT.		14	1	
424+00.00		ROUTE 160	RT.		14	1	
424+55.00		ROUTE 160	LT.		14	1	
425+20.00		ROUTE 160	RT.		14	1	
425+40.00		ROUTE 160	LT.		14	1	
425+44.32	426+56.38	ROUTE 160	LT.	440.22		4.4	
425+47.81	426+80.83	ROUTE 160	RT.	296.65		3.0	
426+60.00		ROUTE 160	RT.		14	1	
426+65.00		ROUTE 160	LT.		14	1	
427+25.00		ROUTE 160	LT.		14	1	
427+36.00		ROUTE 160	RT.		14	1	
427+52.00		ROUTE 160	LT.		14	1	
427+54.00		ROUTE 160	RT.		14	1	
427+73.00		ROUTE 160	RT.		14	1	
427+79.00		ROUTE 160	LT.		14	1	
427+92.00		ROUTE 160	RT.		14	1	
428+06.00		ROUTE 160	LT.		14	1	
428+10.00		ROUTE 160	RT.		14	1	
428+29.00		ROUTE 160	LT. & RT.		28	2	
428+43.00		ROUTE 160	LT.		14	1	
428+48.00		ROUTE 160	RT.		14	1	
428+57.00		ROUTE 160	LT.		14	1	
428+66.00		ROUTE 160	RT.		14	1	
428+69.00		ROUTE 160	LT.		14	1	
428+85.00		ROUTE 160	LT.		14	1	
428+98.00		ROUTE 160	LT.		14	1	
429+11.00		ROUTE 160	LT.		14	1	
429+23.00		ROUTE 160	LT.		14	1	
433+00.00		ROUTE 160	LT. & RT.		28	2	
433+90.00		ROUTE 160	LT. & RT.		28	2	
434+32.00		ROUTE 160	LT.		14	1	
434+45.00		ROUTE 160	LT.		14	1	
434+59.00		ROUTE 160	LT. & RT.		28	2	
434+73.00		ROUTE 160	LT.		14	1	
434+86.00		ROUTE 160	LT.		14	1	
435+00.00		ROUTE 160	LT.		14	1	
435+17.00		ROUTE 160	LT.		14	1	
435+18.00		ROUTE 160	RT.		14	1	
435+35.00		ROUTE 160	LT.		14	1	
435+52.00		ROUTE 160	LT.		14	1	
435+54.00		ROUTE 160	RT.		14	1	
435+65.00		ROUTE 160	RT.		14	1	
435+70.00		ROUTE 160	LT.		14	1	
435+78.00		ROUTE 160	RT.		14	1	
436+09.00		ROUTE 160	RT.		14	1	
436+57.00		ROUTE 160	RT.		14	1	
436+91.00		ROUTE 160	RT.		14	1	
437+25.00		ROUTE 160	RT.		14	1	
437+77.00		ROUTE 160	RT.		14	1	
438+65.00		ROUTE 160	RT.		14	1	
439+45.00		ROUTE 160	RT.		14	1	
440+17.00		ROUTE 160	RT.		14	1	
435+65.00	443+52.47	ROUTE 160	LT.	1004		10	
443+41.19		ROUTE 160	RT.		14	1	
			TOTAL	1,740.9	784.0	73.4	
			USE	1,741	784	73	

EROSION CONTROL BLANKET

STA.	STA.	ROUTE	TYPE 2C (SY)	TYPE 2D (SY)	REMARKS
422+00.00	443+50.00	ROUTE 160 LT.	7228.9	457.2	
422+00.00	443+50.00	ROUTE 160 RT.	3916.9	923.1	
426+00.00		ROUTE 160	602.8	0	ENTRANCE LT.
426+00.00		ROUTE 160	281.4	0	ENTRANCE RT.
443+00.00		ROUTE 160	33.7	0	ENTRANCE LT.
		TOTAL	12063.7	1380.3	
		USE	12,064	1,380	

TEMPORARY SEEDING
0.9 ACRE

SEEDING - COOL SEASON MIXTURES
3.4 ACRES

ADDITIONAL MOBILIZATION FOR SEEDING
4 EACH

MULCHING
4.3 ACRES

SUMMARY OF QUANTITIES
SHEET 3 OF 4

SEAN T. MATLOCK NUMBER E-27133 PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE PREPARED 9/01/2026
ROUTE 160 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY DADE
JOB NO. JSR0104
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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1-888-ASK-MODOT (1-888-275-6636)

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SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	1	16.00				ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00	1	5.00				500 FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	6	96.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00	2	32.00				ROAD CLOSED AHEAD
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	4	64.00				SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00						END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	4	24.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	4	48.00				SPEED LIMIT 45, 55
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	2	20.00				ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	2	25.00				ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	2	64.00				POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL 418
616-10.10 RELOCATED SIGNS	TOTAL

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025 DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	75	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	10	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099	5	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

SUMMARY OF QUANTITIES
SHEET 4 OF 4

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
DADE

JOB NO.
JSR0104

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
"Engineering beyond."

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

STA. 426+00.00
TYPE I DRIVEWAY LT.
20' WIDE, 25' R.
-9.8% GR., AGGR. SURF.
18" X 79" GROUP C PIPE

+45.00
250.00'

+50.00
250.00'

STA. 427+09.71
SKEW 06°28'04" R.A.
36" X 113' CLASS III RCP
Q_{25} = 42 CFS
OVERTOPPING > 100 YR.
D.A. 16.8 AC.

TEMPORARY EASEMENT (CONST. DRIVEWAY)
① - N59°47'34"E, 105.63'
② - N23°55'48"W, 160.50'
③ - S66°04'12"W, 105.00'
④ - S23°55'48"E, 172.05'

425

430

SEE SHEET 6 FOR OBLITERATION LIMITS EXIST. ROUTE 160

SE ¼ NW ¼ 17-31-25

EXIST. ROUTE 160

STA. 431+75.00
OFF. 70.00'

STA. 422+00.00
OFF. 40.00'

① DON F. AND KRISTI KAREL CHRISTENSEN
12,228 SF (0.28 AC.) NEW R/W
17,459 SF (0.40 AC.) TEMP. ESM'T.
14,693,628 SF (337.32 AC.) REMAINING

TEMP. CONST. ESM'T

+45.00
77.95'

+50.00
89.50'

STA. 427+00.00
OFF. 95.00'

ROCK LINING

PC STA. 429+01.00

STA. 429+01.00
OFF. 70.00'

STA. 434+25.00
OFF. 60.00'

NEW R/W

S.L.

℄ ROUTE 160

EXIST. 40' R/W

(UIP)

N66°04'12"E

STA. 422+70.00
TYPE I DRIVEWAY RT.
20' WIDE, 10' R.
9.1% GR., AGGR. SURF.
19" X 30" X 34' ELLIPTICAL PIPE

BEGIN PROJECT
STA. 422+00.00

BEGINS AT A POINT APPROX. 4,450.42', N58°39'35"W OF THE S.E. CORNER SECTION 17 T31N R25W

+43.20
70.76'

TEMP. CONST. ESM'T.

+45.00
175.00'

+00.00
85.00'

STA. 427+00.00
OFF. 85.00'

② OBLIT. LINEAR GRADING CLASS 1

STA. 426+00.00
TYPE I DRIVEWAY RT.
20' WIDE, 25' R.
-5.1% GR., AGGR. SURF.
24" X 61' GROUP C PIPE

+00.00
175.00'

STA. 429+01.00
OFF. 75.00'

STA. 422+00.00
OFF. 40'

② HALL & BIAS, LLC.
119,611 SF (2.75 AC.) NEW R/W
9,923 SF (0.23 AC.) TEMP. ESM'T.
100,800 SF (2.31 AC.) REMAINING LT.
2,536,937 SF (58.24 AC.) REMAINING RT.

TEMPORARY EASEMENT (CONST. DRIVEWAY)
① - N71°15'28"E, 157.44'
② - S23°55'48"E, 90.00'
③ - S66°04'12"W, 55.00'
④ - N68°15'08"W, 145.70'

STA. 431+75.00
OFF. 100.00'

NE ¼ SW ¼ 17-31-25

STA. 434+25.00
OFF. 65.00'

MATCHLINE STA. 434+50.00

"THE APPROXIMATE LOCATION OF PROPERTY LINES 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 AND REPRESENTATION OF WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE."

SCALE
0 50 100 150

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 422+00.00 TO STA. 442+00.00, A DISTANCE OF 0.379 MILES.

ALL BEARINGS BASED ON STATE PLANE BEARINGS WESTERN ZONE.

CP#3 - STA. 420+16.34, 35.38' RT.
5/8" REBAR SOUTH OF ROUTE 160
ELEVATION 982.74

CP#2 - STA. 431+01.95, 346.45' LT.
5/8" REBAR NORTH OF ROUTE 160
ELEVATION 980.40

SSD = 500'
K = 116
500.00' V.C.

VPC 422+00.00
EL 977.62

BEGIN PROJECT
STA. 422+00.00

1.53%

-1.53%

+2.80%

VPI 424+50.00
EL 973.87

VPT 427+00.00
EL 980.87

+2.80%

ROUTE 160

EXIST. GROUND

VPI 432+00.00
EL 994.87

+2.80%

-4.79%

SPECIAL DITCH RT.

SPECIAL DITCH LT.

LFL 961.19

+09.7

UFL
965.82

VPC 427+50.00
EL 982.27

SPECIAL DITCH RT.

SPECIAL DITCH LT.

SPECIAL DITCH LT.

SSD = 506'
K = 119
900.00' V.C.

ROUTE 160 PLAN/PROFILE
SHEET 1 OF 5

1100 1090 1080 1070 1060 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930 920 910 900 890 880

421+00 422+00 423+00 424+00 425+00 426+00 427+00 428+00 429+00 430+00 431+00 432+00 433+00 434+00

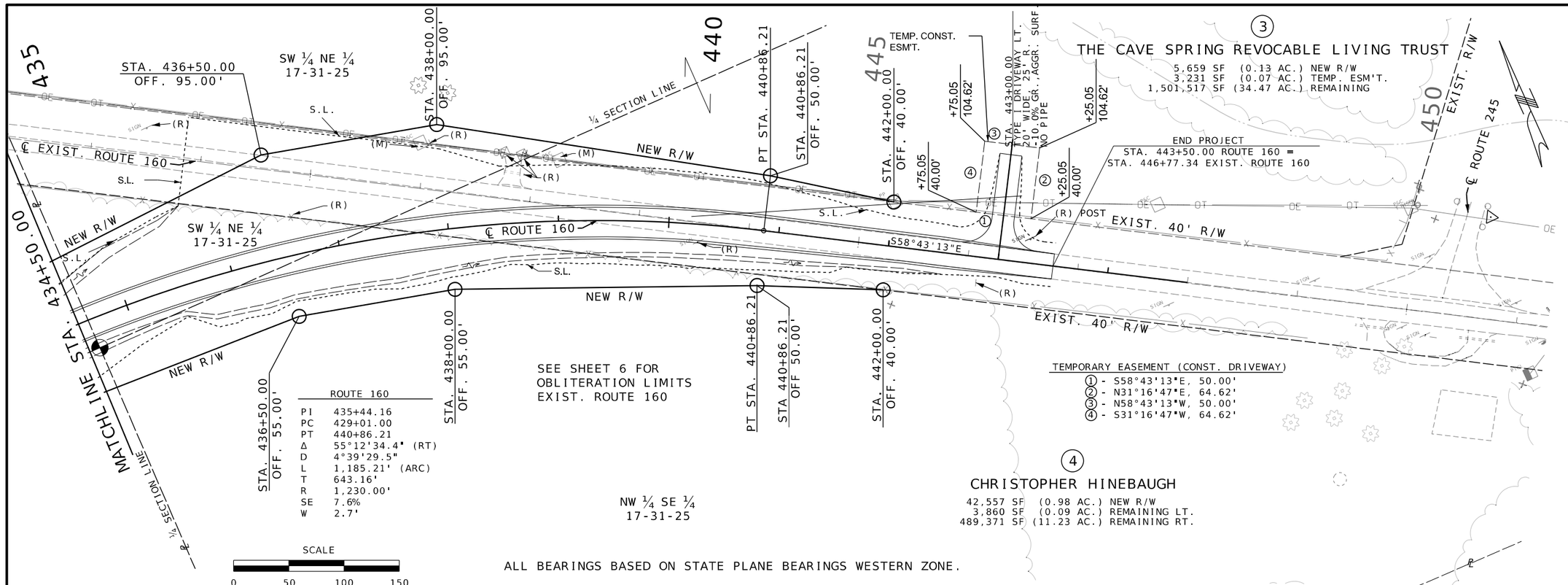
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

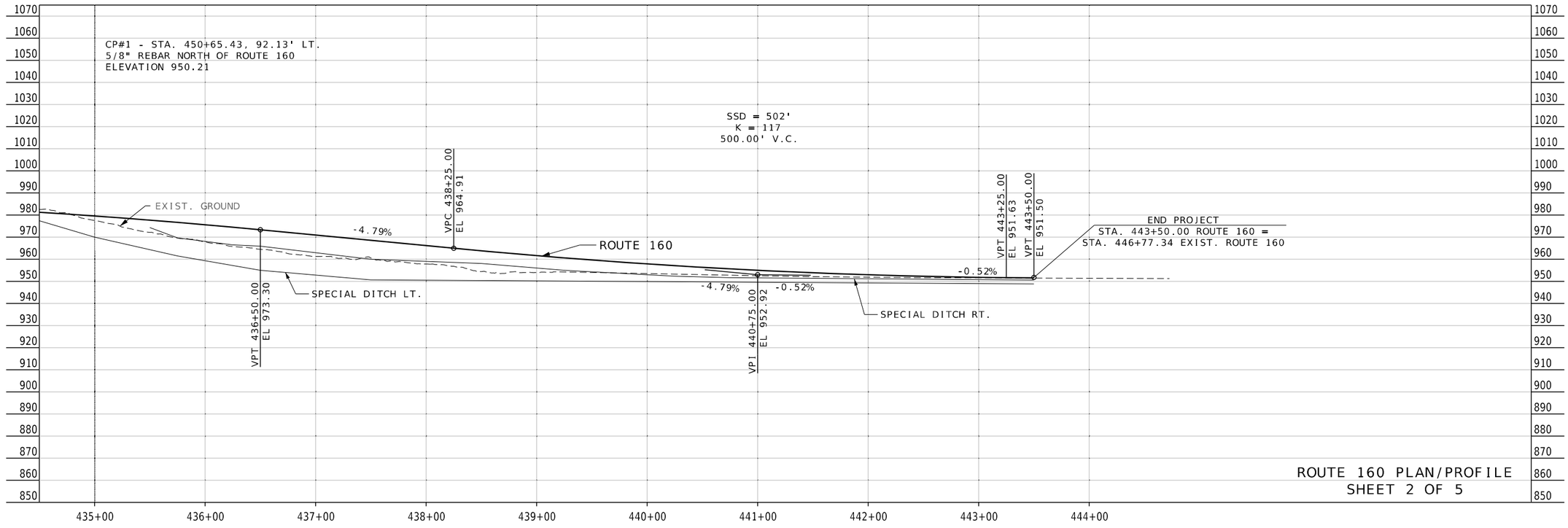
DATE PREPARED	
9/01/2026	
ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	4
COUNTY	
DADE	
JOB NO.	
JSR0104	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearetown.com
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ROUTE 160 PLAN/PROFILE
SHEET 2 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	5

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

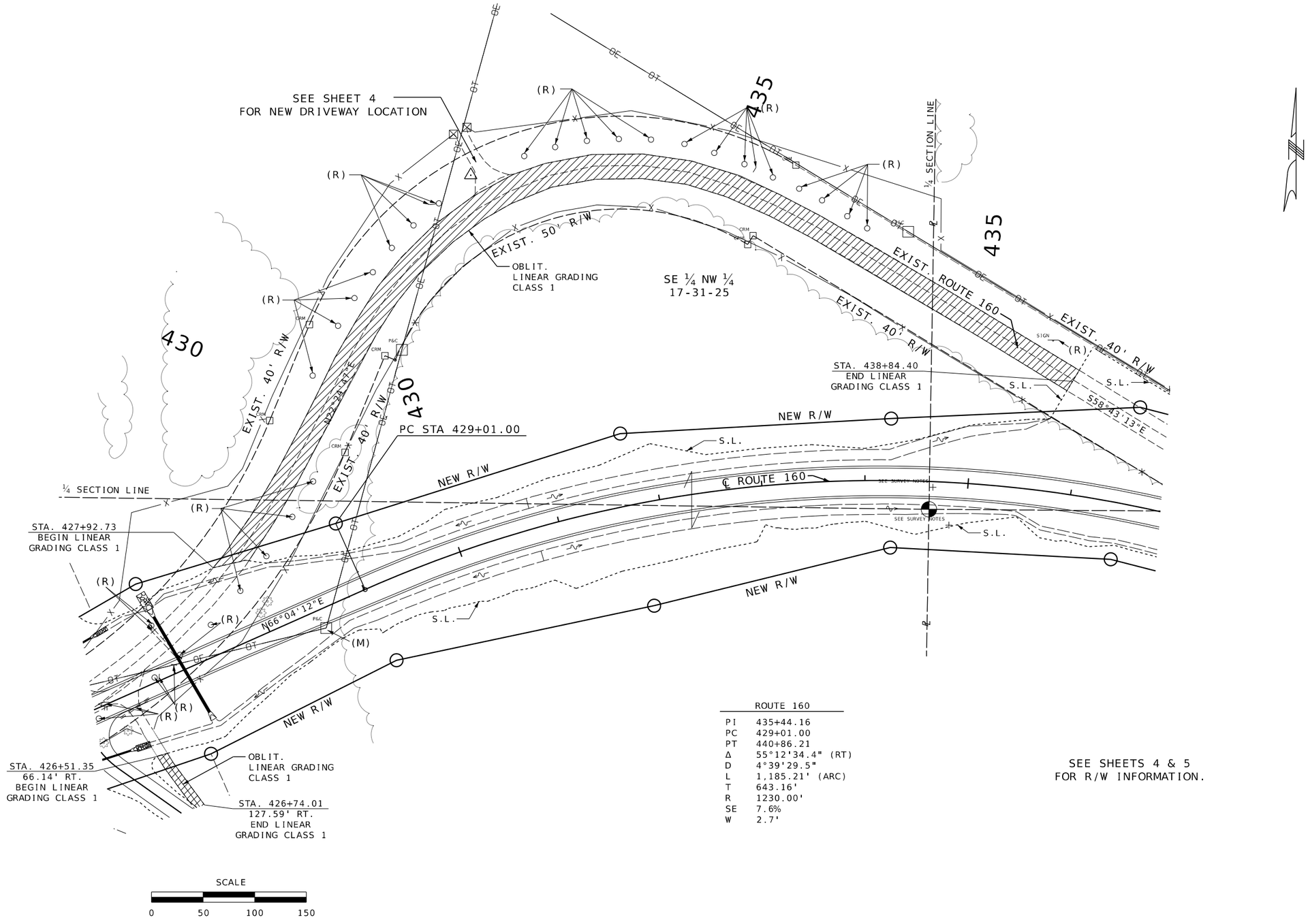
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

2215 Fairlawn Dr
Carthage, MO 64836
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COA# 00062
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SCALE

0 50 100 150

ROUTE 160	
PI	435+44.16
PC	429+01.00
PT	440+86.21
Δ	55°12'34.4" (RT)
D	4°39'29.5"
L	1,185.21' (ARC)
T	643.16'
R	1230.00'
SE	7.6%
W	2.7'

SEE SHEETS 4 & 5
FOR R/W INFORMATION.

ROUTE 160 PLAN SHEET
SHEET 3 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	6

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

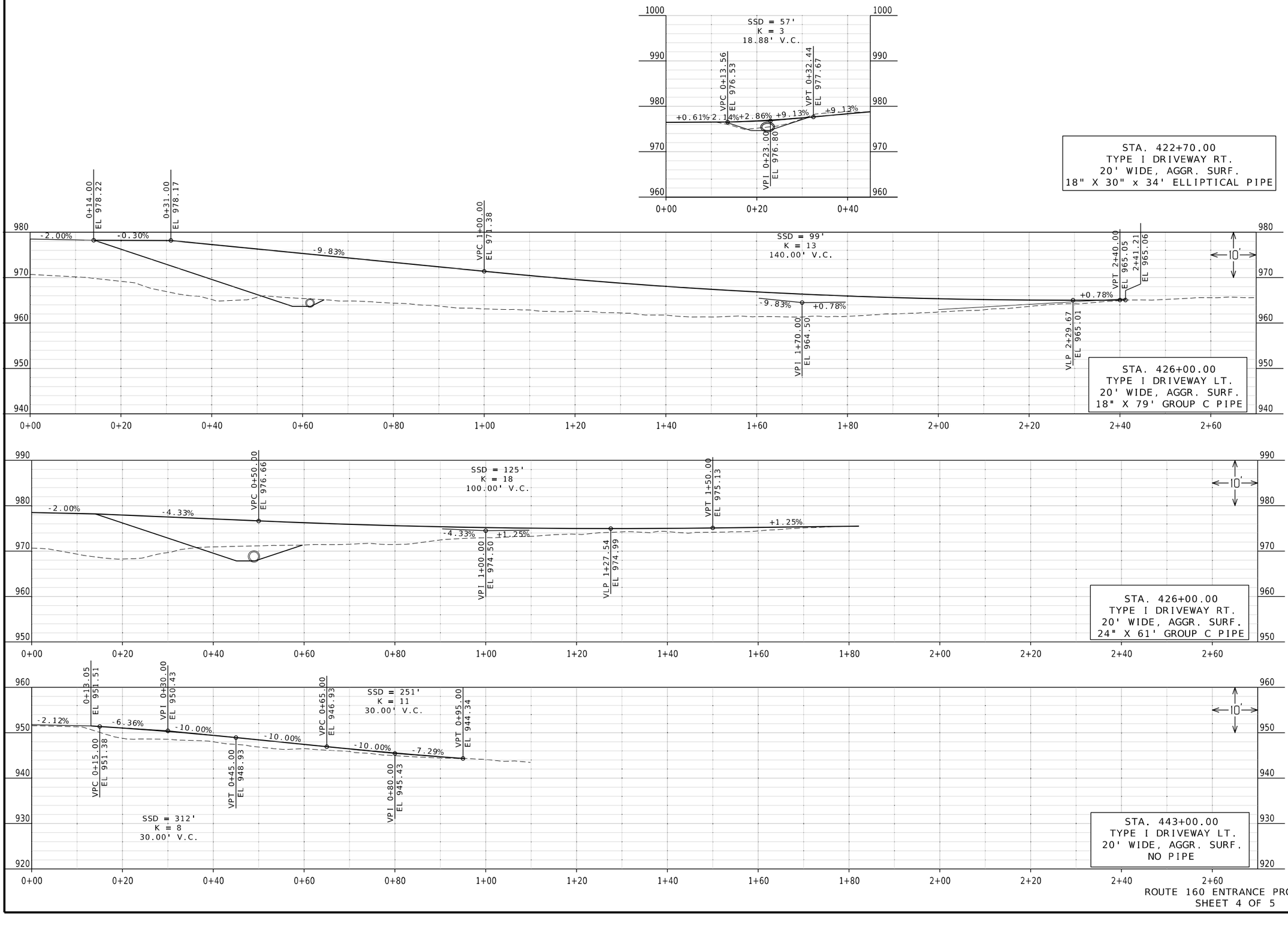
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ROUTE 160 ENTRANCE PROFILES
SHEET 4 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	7

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

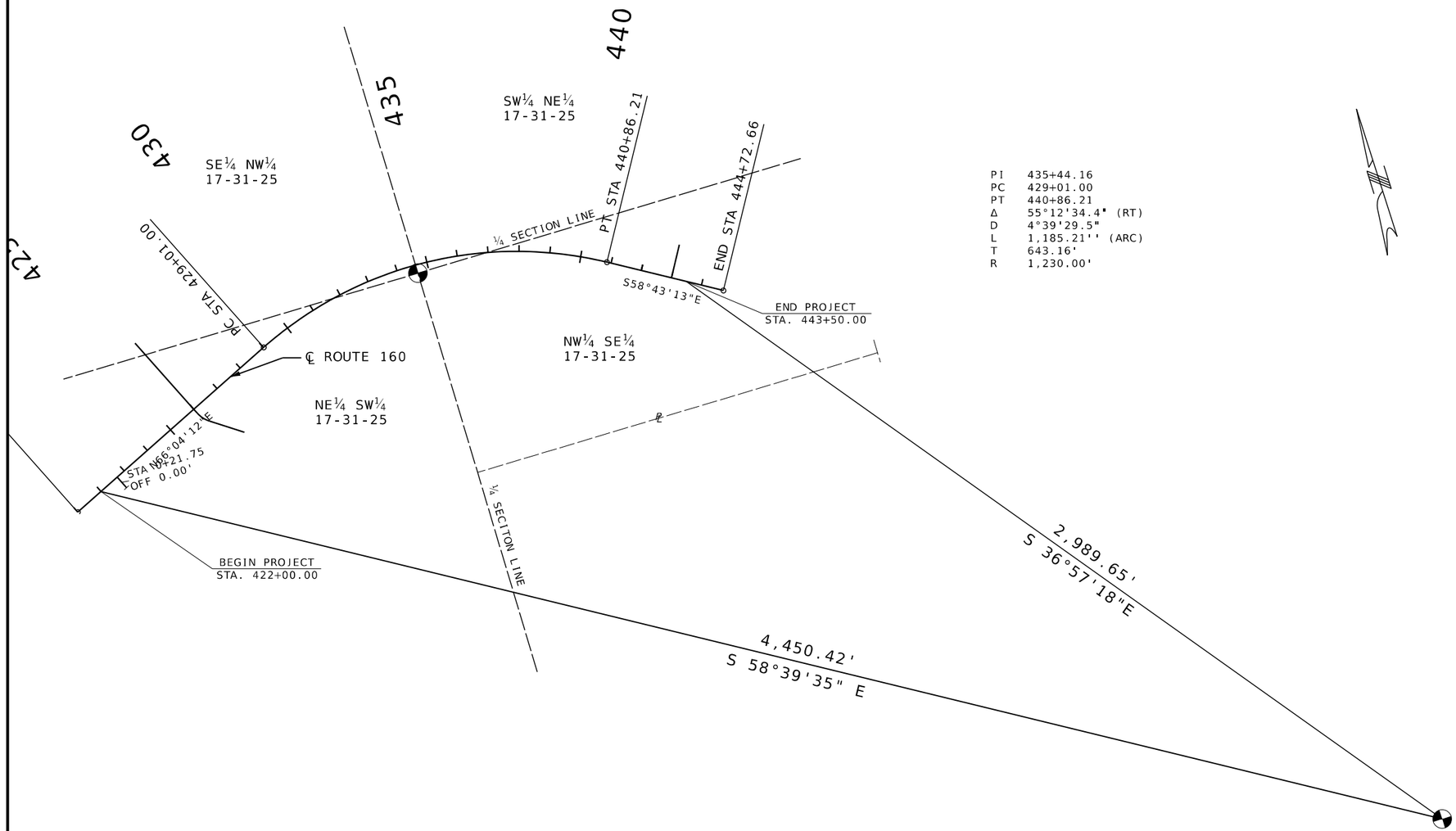
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
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PI 435+44.16
PC 429+01.00
PT 440+86.21
Δ 55°12'34.4" (RT)
D 4°39'29.5"
L 1,185.21'' (ARC)
T 643.16'
R 1,230.00'

EXISTING IRON PIN
SOUTHEAST CORNER
SECTION 17
TOWNSHIP 31 NORTH
RANGE 25 WEST
DADE COUNTY BOOK 2 PAGE 256

CERTIFIED LAND CORNERS

SCALE
0 200 400 600 800 1000

ROUTE 160 PLAN SHEET
SHEET 5 OF 5

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	8

COUNTY
DADE

JOB NO.
JSR0104

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)

2215 Fairlawn Dr
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COA# 00062
weareown.com
OWN
Engineering beyond.™

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.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOID12B
ELEVATIONS DETERMINED BY	XX
PROJECT PROJECTION FACTOR	1.0000396

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
CONTROL STATION	XX
DESIGNATION	MODOT GREENFIELD CORS ARP
CORS_ID	MOGF
PID	DM3515
LATITUDE	37°25'45.52038"
LONGITUDE	93°50'45.96762"
NORTHING (M)	140313.033
EASTING (M)	907872.601
ZONE	2403 (MO-WEST)
PROJECT AVERAGE GRID FACTOR	0.9999604

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 #1
N 457612.4224 X 0.9999604 = N 457594.3009
E 3021371.1571 X 0.9999604 = E 3021251.5108

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								
	450+65.43	LT.	92.13'	457612.4224	3021371.1571		CP	1
	431+01.95	LT.	346.45'	458346.7002	3019731.0166		CP	2
	420+16.34	RT.	35.38'	457554.0428	3018834.3904		CP	3
ROUTE 160								
	421+00.00	℄	0	457620.3118	3018896.5083		BEGIN CHAIN ROUTE 160	N/A
	422+00.00	℄	0	457660.8737	3018987.9125		BEGIN PROJECT CHAIN ROUTE 160	N/A
	429+01.00	℄	0	457945.2123	3019628.6538		PC CHAIN ROUTE 160	N/A
	435+44.16	℄	TANGENT	458206.0904	3020216.5283		PI CHAIN ROUTE 160	N/A
	440+86.21	℄	0	457872.1527	3020766.2003		PT CHAIN ROUTE 160	N/A
	443+50.00	℄	0	457736.3778	3020992.3668		END PROJECT CHAIN ROUTE 160	N/A
	444+72.66	℄	0	457671.5017	3021096.4780		END CHAIN ROUTE 160	N/A

STATE OF MISSOURI
SEAN U. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	9

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

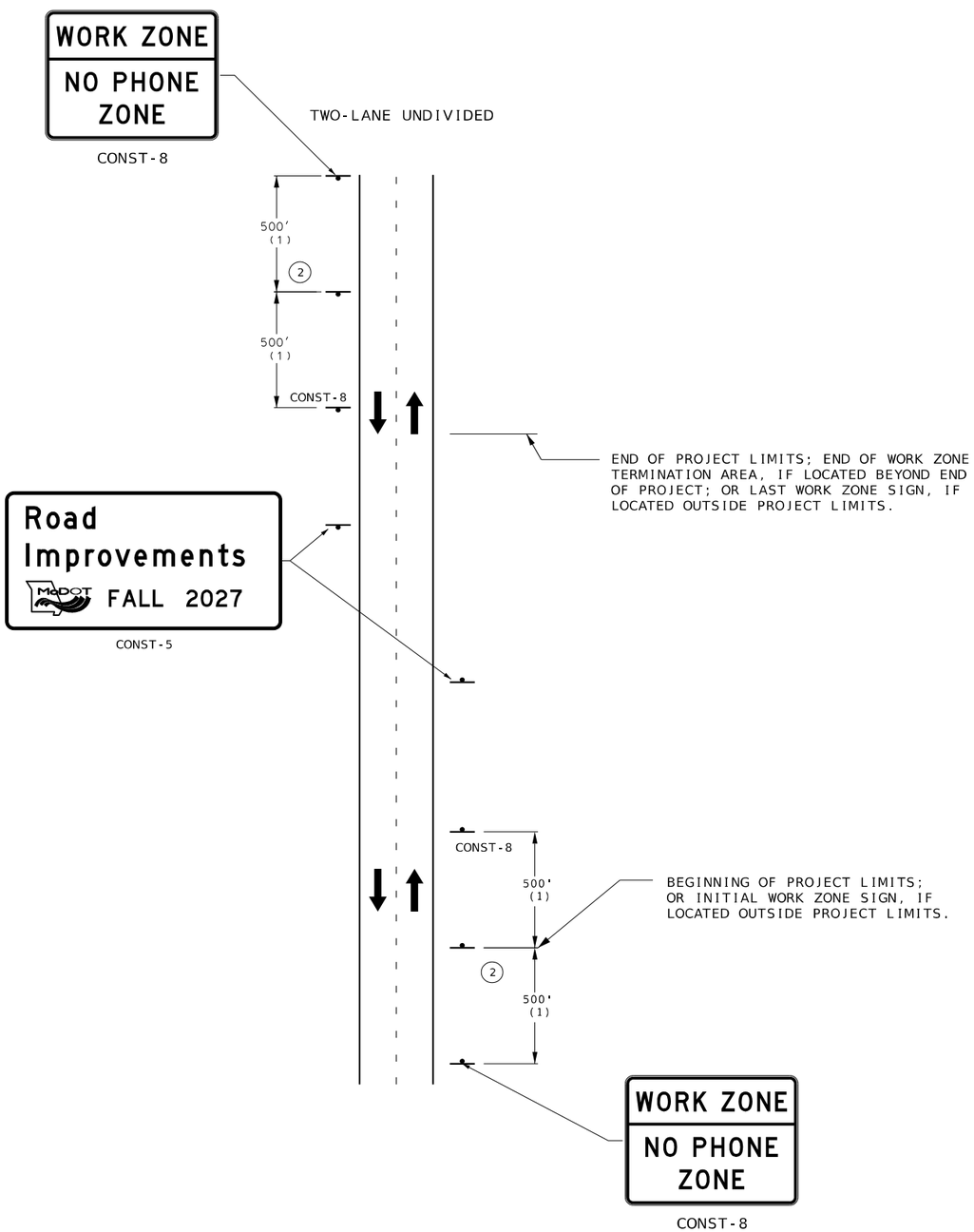
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wedreown.com

OWN
Engineering beyond.™

BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL PROJECTS)





NOTES:

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

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

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS.

DRAWING NOT TO SCALE

TRAFFIC CONTROL PLANS
SHEET 1 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO

DISTRICT	SHEET NO.
SW	10

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

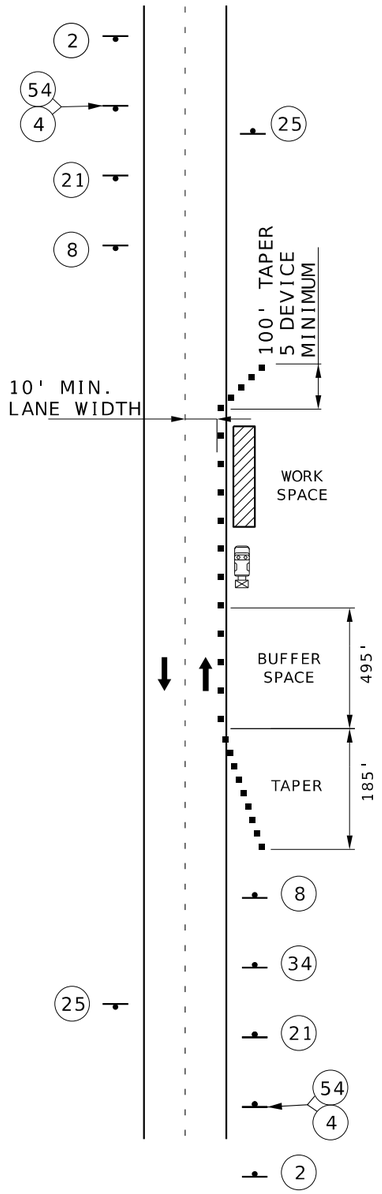
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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MINOR TRAVELWAY ENCROACHMENT



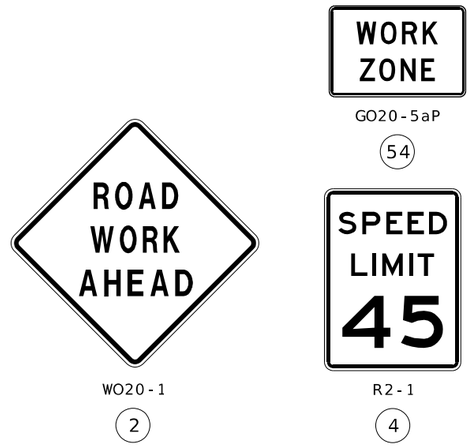
SHOULDER WORK

GENERAL NOTES:

SEE TRAFFIC CONTROL SHEET 3 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN (2) NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN (2) IS ALREADY USED.

SIGNS (3) , (4) , (25) AND (54) NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE AN APPROPRIATE SPEED LIMIT, EITHER NORMAL OR REDUCED, IS ESTABLISHED.



GO20-5aP

(54)

WO20-1

(2)

R2-1

(4)



WO21-5

(21)



(NORMAL SPEED)
R2-1

(25)



WO5-1

(34)



WO20-7a

(8)

NOTES:

ON NON-DIVIDED HIGHWAYS, PROVIDE SIGNS ONLY ON THE RIGHT SIDE OF EACH APPROACH.
SIGN SPACING AT 500'

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

TRAFFIC CONTROL PLANS
SHEET 2 OF 3



DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	11

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

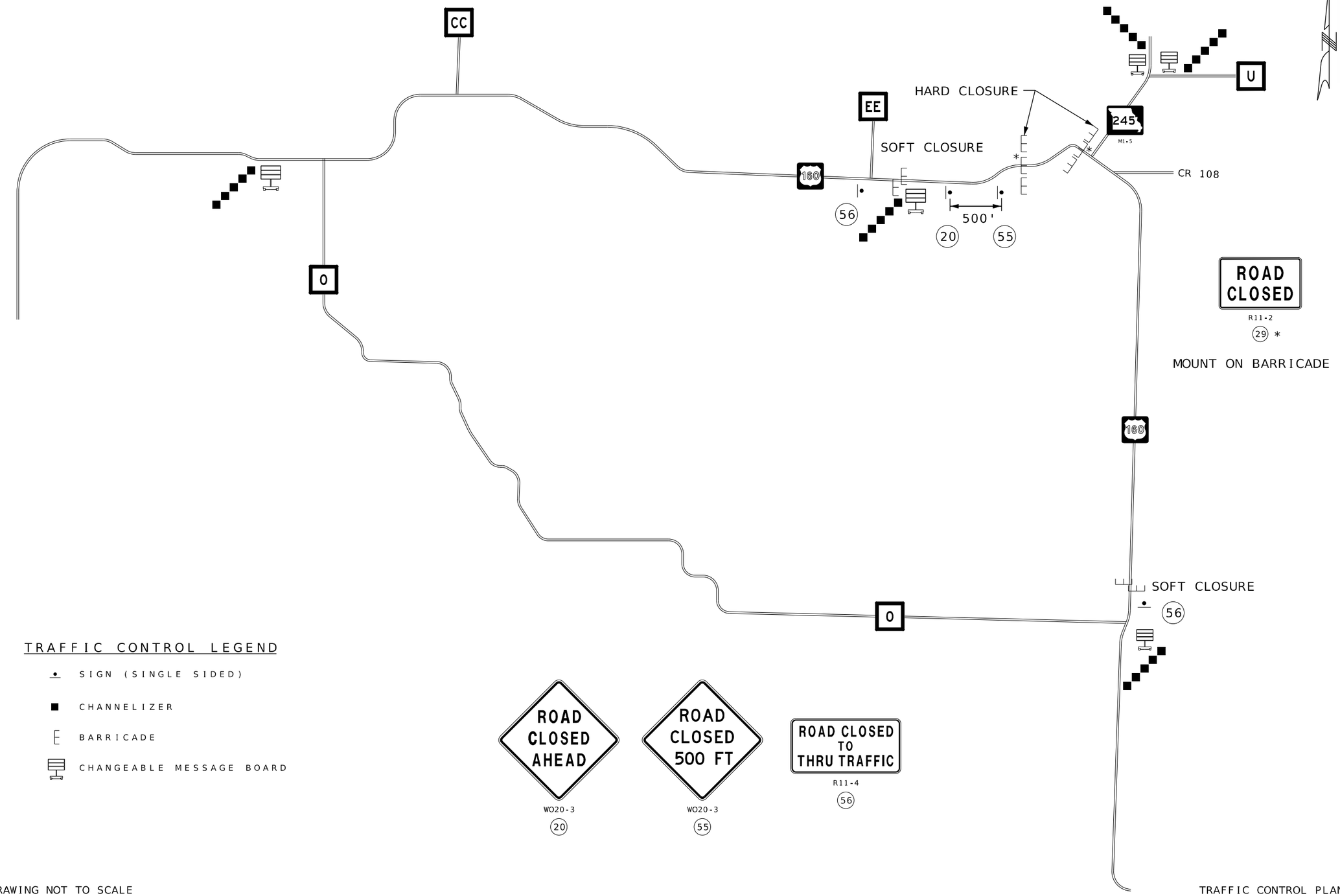
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

DRAWING NOT TO SCALE

TRAFFIC CONTROL PLANS
SHEET 3 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	12

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

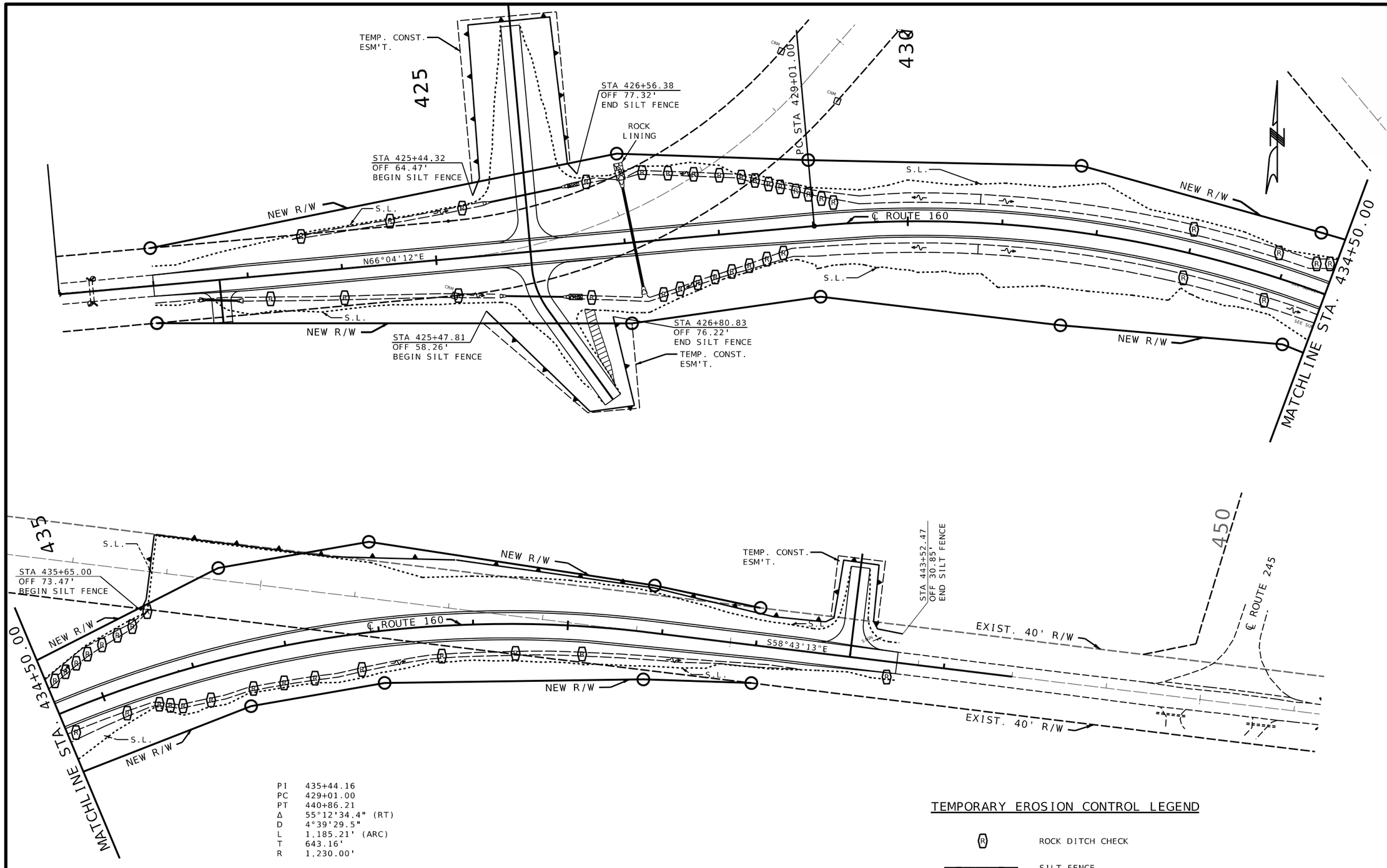
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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PI 435+44.16
PC 429+01.00
PT 440+86.21
Δ 55°12'34.4" (RT)
D 4°39'29.5"
L 1,185.21' (ARC)
T 643.16'
R 1,230.00'

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SILT FENCE

INITIAL
EROSION CONTROL PLANS
SHEET 1 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	13

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

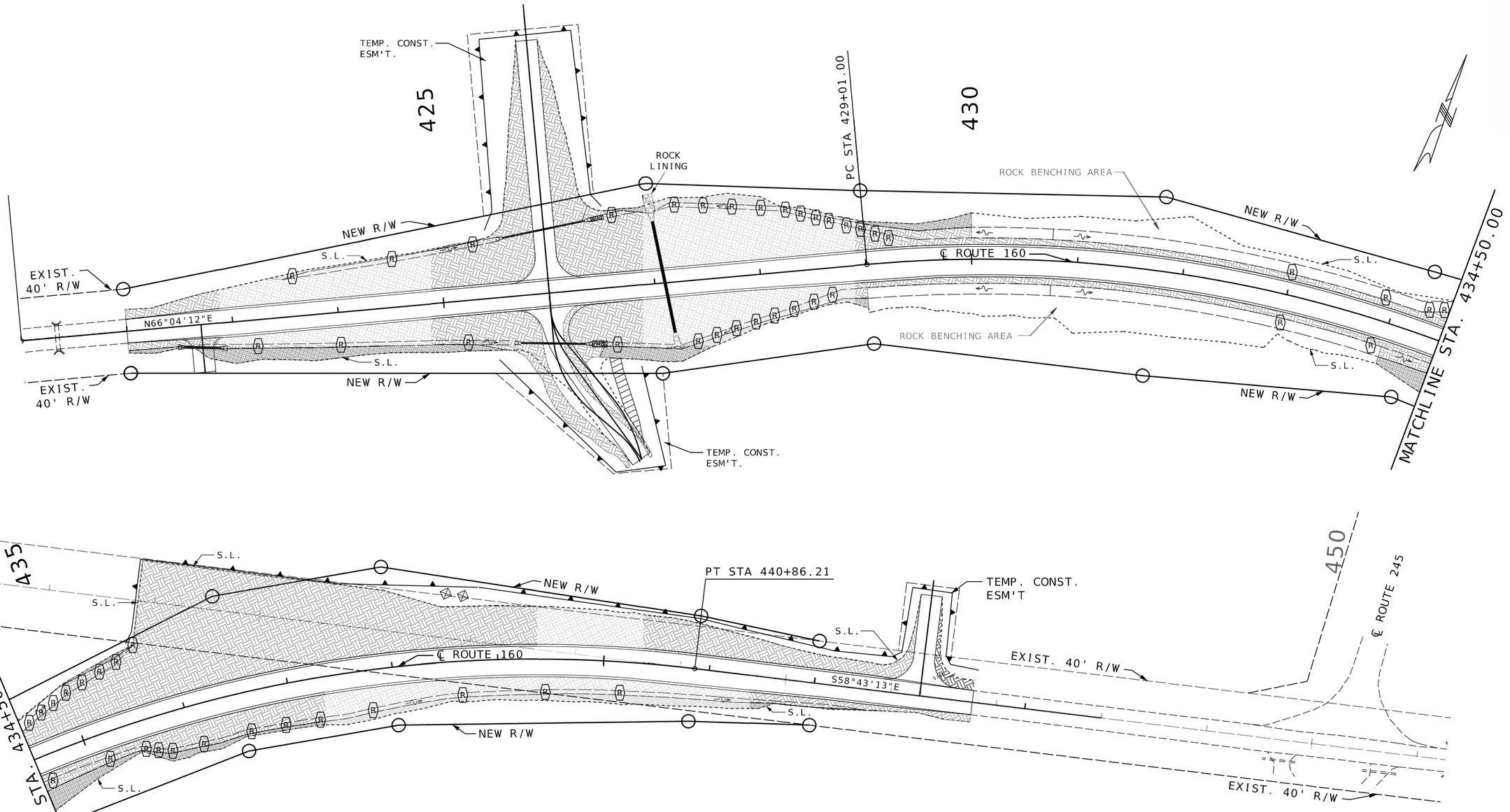
BRIDGE NO.

DESCRIPTION

DATE

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

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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OWN
Engineering beyond.



PI 435+44.16
PC 429+01.00
PT 440+86.21
Δ 55°12'34.4" (RT)
D 4°39'29.5"
L 1,185.21' (ARC)
T 643.16'
R 1,230.00'

TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- SILT FENCE
- TYPE 2C EROSION CONTROL BLANKET
- TYPE 2D EROSION CONTROL BLANKET

SCALE
0 50 100 150

INTERMEDIATE
EROSION CONTROL PLANS
SHEET 2 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	14

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

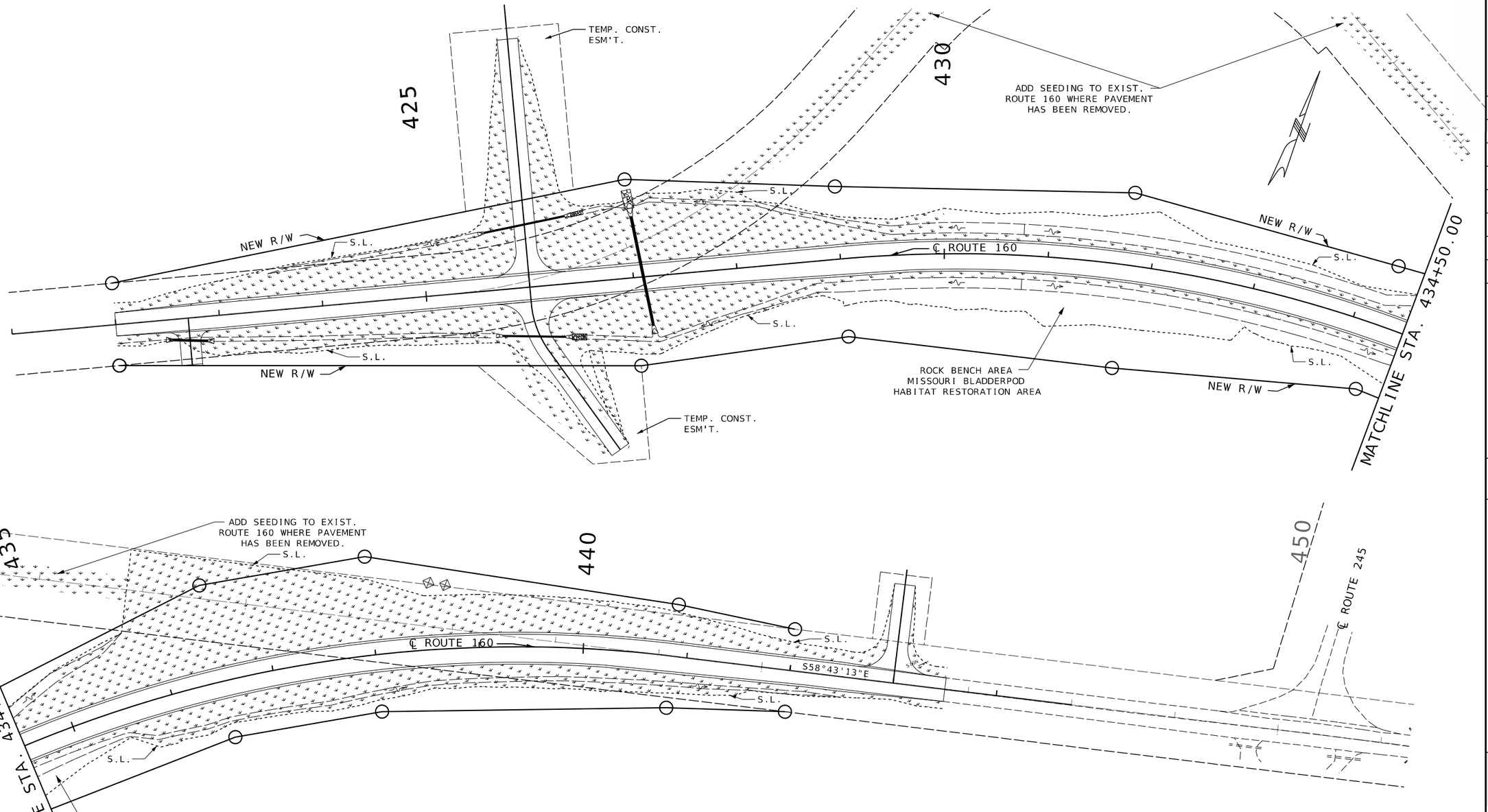
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



PI	435+44.16
PC	429+01.00
PT	440+86.21
Δ	55°12'34.4" (RT)
D	4°39'29.5"
L	1,185.21' (ARC)
T	643.16'
R	1,230.00'

SCALE

0 50 100 150

TEMPORARY EROSION CONTROL LEGEND

SEEDING COOL SEASON MIXTURE

NOTE: SEE HABITAT RESTORATION JSP.
AREAS DESIGNATED FOR MISSOURI BLADDERPOD
HABITAT RESTORATION SHALL NOT BE SEEDED OR MULCHED.

FINAL
EROSION CONTROL PLAN
SHEET 3 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 9/01/2026

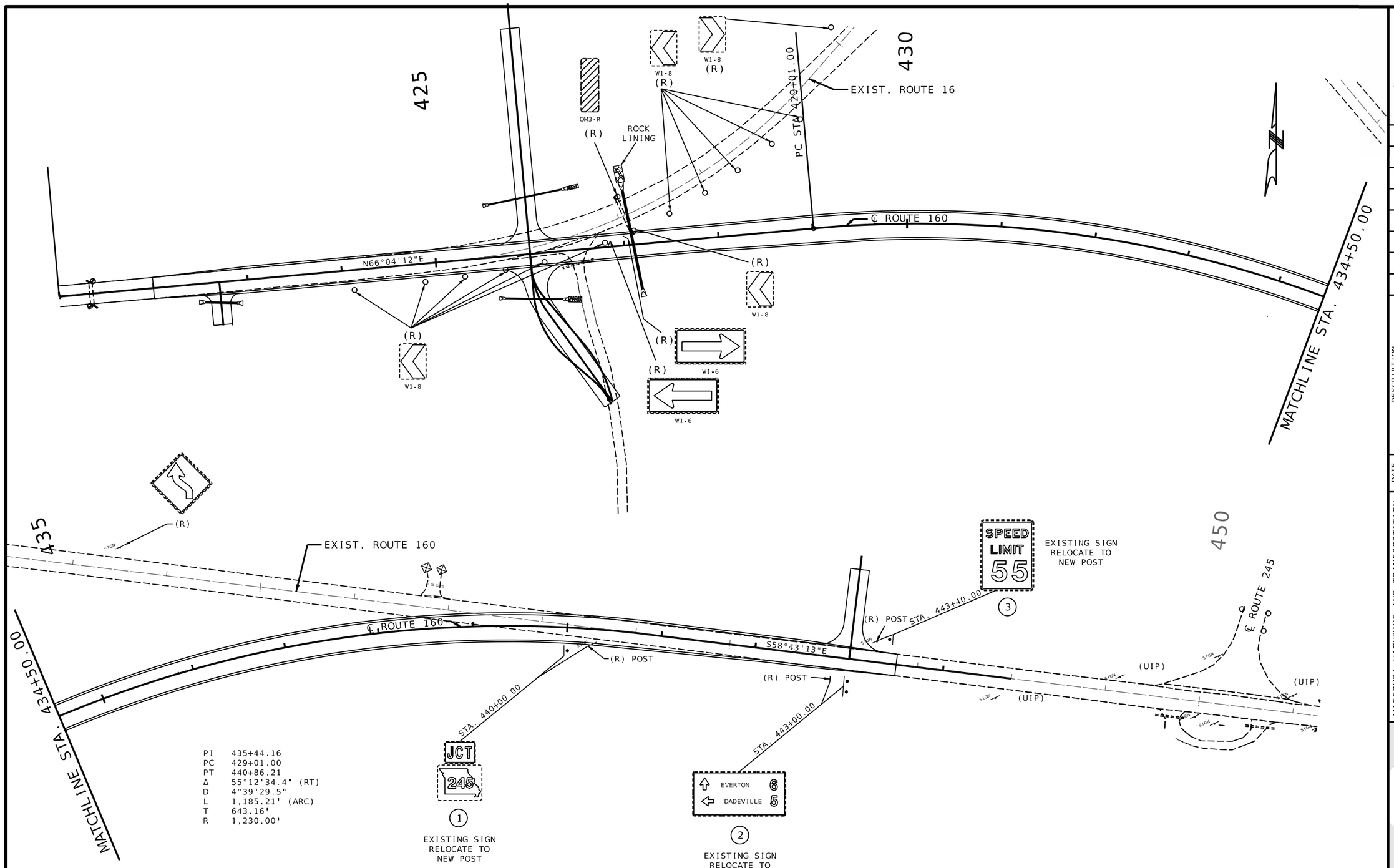
ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	15

COUNTY: DADE
JOB NO.: JSR0104
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	16

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

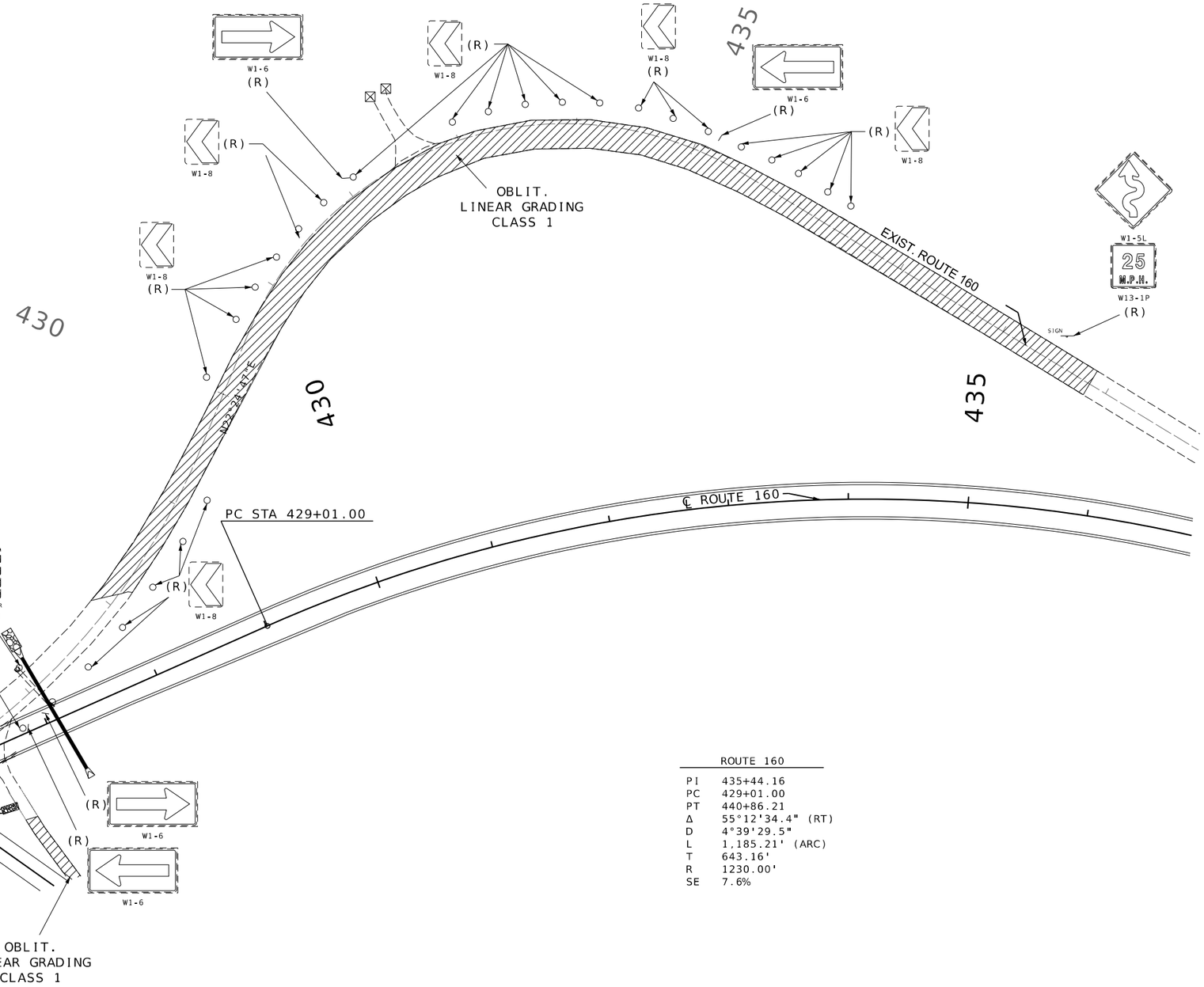
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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ROUTE 160	
PI	435+44.16
PC	429+01.00
PT	440+86.21
Δ	55°12'34.4" (RT)
D	4°39'29.5"
L	1,185.21' (ARC)
T	643.16'
R	1230.00'
SE	7.6%

SCALE

0 50 100 150

SIGNING PLANS
SHEET 2 OF 3

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
9/01/2026	
ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	17
COUNTY	
DADE	
JOB NO.	
JSR0104	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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SIGNS					CONCRETE FOOTINGS EMBEDDED	I-BEAM POSTS*						PIPE POSTS*					4" SQUARE STEEL POST*		PERFORATED SQUARE STEEL TUBE**								BREAK-AWAY	RELOCATE SIGNS	ALUMINUM BACKING BARS			COLUMN MOUNTING C-CHANNEL	EFFECTIVE: 07-01-2026
902 SIGNAL SIGNS TABULATED ON D-37A																			2" POST					2.5" POST								
																			POST			ANCHORS		POST			ANCHORS					
SIGN NO.	SIGN SIZE	STATION/ LOG MILE	LOCATION	SIGN DTL SHT NO.	(I-BEAM/PIPE) ITEM NO. 9031010	POST + STUB				LBS PER FT	TOTAL ITEM NO. 9031210	POST + STUB			LBS PER FT	TOTAL ITEM NO. 9031220	BASE ITEM NO. 9031005	POST ITEM NO. 9031230	NO. 1	NO. 2	TOTAL ITEM NO. 9031270A	DRIVEN ITEM NO. 9031273A	CONCRETE ITEM NO. 9031274	NO. 1	NO. 2	TOTAL ITEM NO. 9031280	DRIVEN ITEM NO. 9031281A	CONCRETE ITEM NO. 9031285	ASSEMBLY ITEM NO. 9031241		COUNT	LENGTH	TOTAL ITEM NO. 9035030	ITEM NO. 9035031	REMARKS AND OTHER REQUIRED ITEMS
					CY	DES NO.	NO. 1 LF	NO. 2 LF	NO. 3 LF			SIZE IN.	NO. 1 LF	NO. 2 LF			EACH	LF	LF	LF	LF	EACH	EACH	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	IN.	LF	LF	
1	EXIST.	440+00.00	ROUTE 160 RT.																					16		16		1		1				
2	EXIST.	443+00.00	ROUTE 160 RT.																					16	16	32		2	2	1				
3	EXIST.	443+40.00	ROUTE 160 LT.																					16		16		1		1				
SUBTOTAL																								64		4	2	3				
TOTAL																								64		4	2	3				

*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.

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE 160 | STATE MO

DISTRICT SW | SHEET NO. 18

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

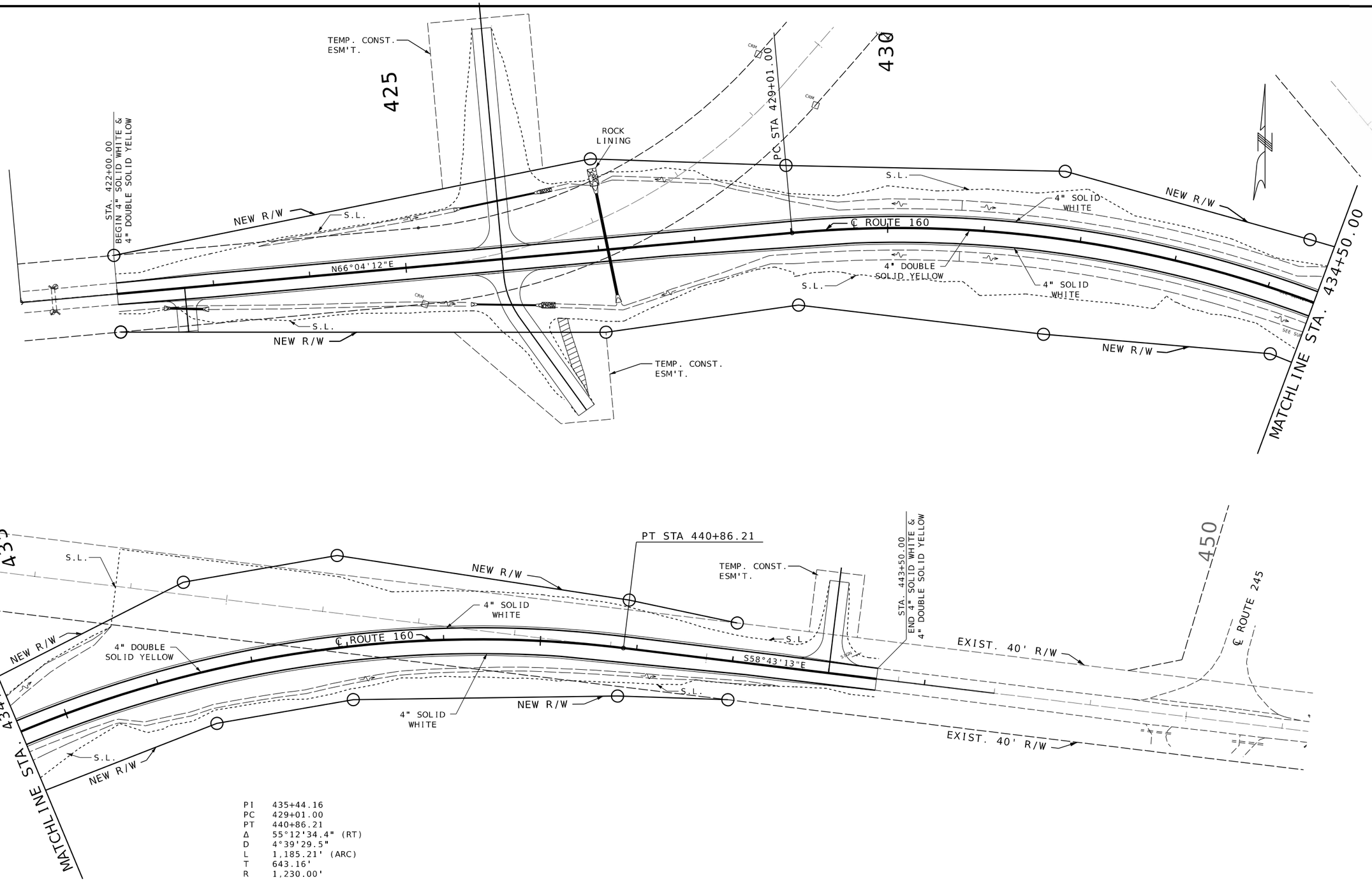
DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
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COA# 00062
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PI 435+44.16
PC 429+01.00
PT 440+86.21
Δ 55°12'34.4" (RT)
D 4°39'29.5"
L 1,185.21' (ARC)
T 643.16'
R 1,230.00'

SCALE
0 50 100 150

PAVEMENT MARKING
SHEET 1 OF 1

STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	19

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

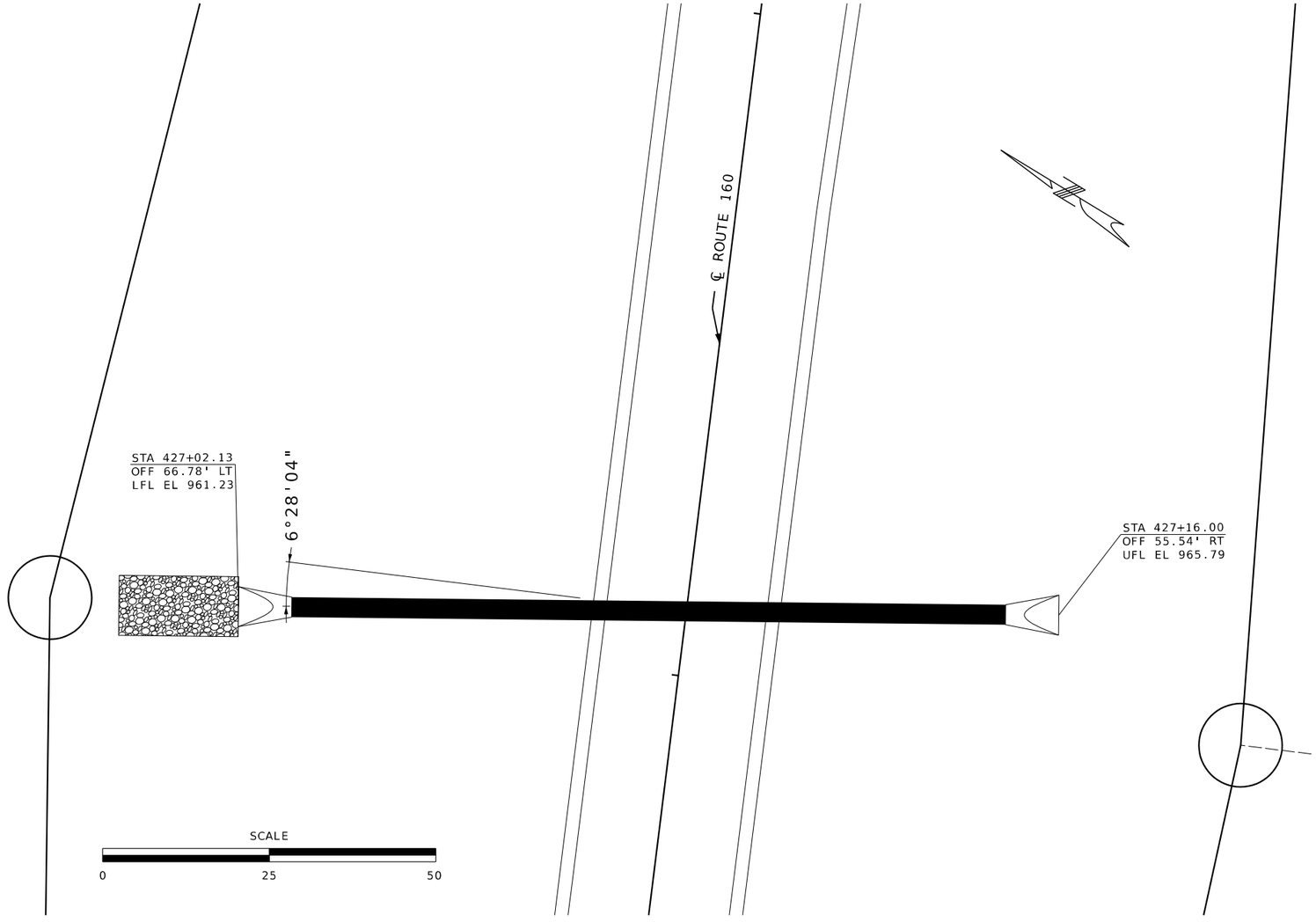
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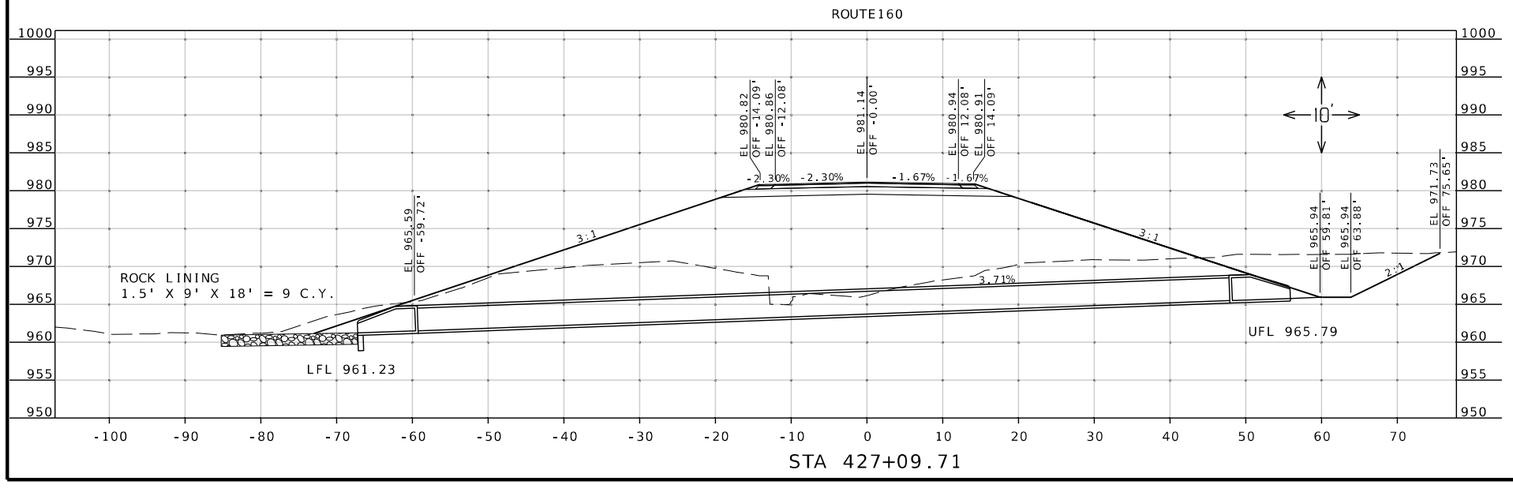
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COA# 00062
wearecown.com

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STA. 427+09.71

ROUTE 160
SKEW 06°28'04" R.A.
36"X 113' CLASS III RCP
W/2-36" CLASS III RCP FES
CLASS 3 EXC, = 171 C.Y.

CULVERT SECTION
SHEET 1 OF 1

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/01/2026

ROUTE	STATE
160	MO
DISTRICT	SHEET NO.
SW	20

COUNTY
DADE

JOB NO.
JSR0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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