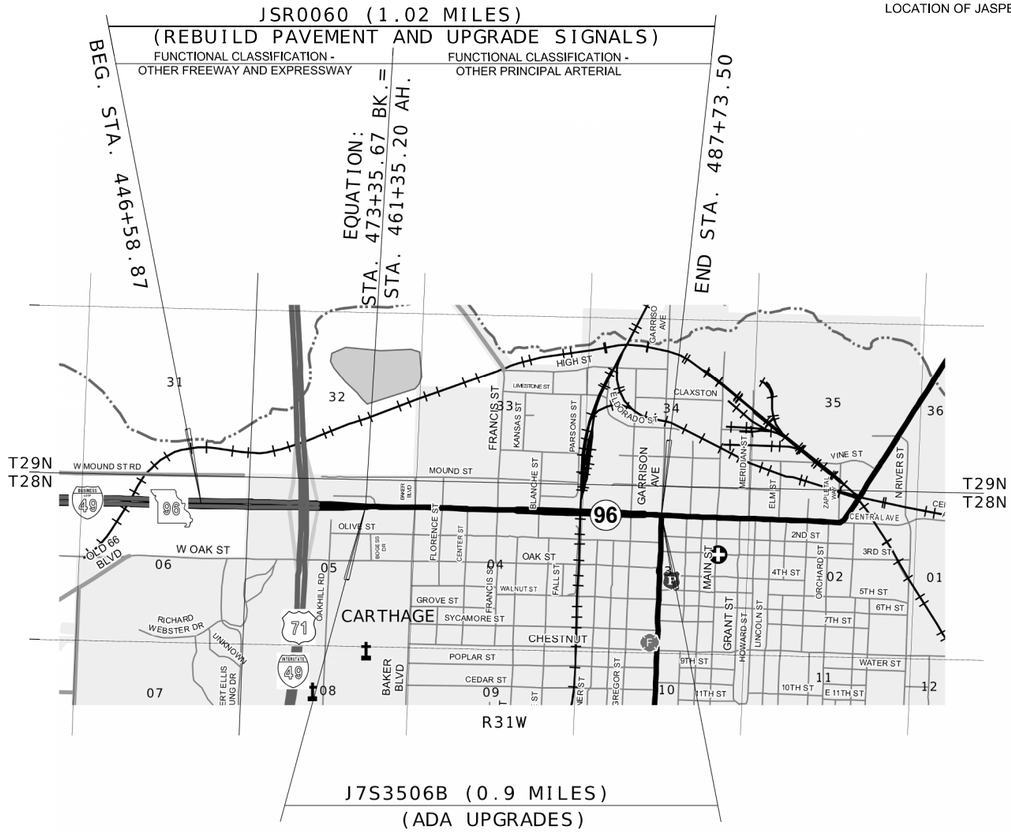
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED
STATE HIGHWAY
RIGHT OF WAY PLANS
ADA UPGRADE, PAVEMENT UPGRADE, AND SIGNALS
JASPER COUNTY


KEY MAP
LOCATION OF JASPER COUNTY



J7S3506B (0.9 MILES)
(ADA UPGRADES)

1/4 0 1/2 1

SCALE IN MILES

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.

DESIGN DESIGNATION

A.A.D.T. - 2026 20,509
A.A.D.T. - 2046 = 27,498
D.H.V. = 7.53%
T = 16.35%
V = 70 TO 45 M.P.H. WEST OF I-49
45 TO 30 M.P.H. EAST OF I-49
D = 48.2%/51.8%
FUNCTIONAL CLASSIFICATION - OTHER FREEWAY AND EXPRESSWAY AND OTHER PRINCIPAL ARTERIAL

CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A CONTROLLED ACCESS HIGHWAY, BETWEEN STA.467+30.00 TO 507+67.80 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. THERE SHALL BE THE USUAL RIGHT OF ACCESS OVER ANY LOCATION SHOWN ON THESE PLANS EITHER AS (1) AN ENTRANCE OR (2) A PRIVATE UNDERPASS. WHEREVER AN ADJACENT OUTER ROADWAY OR SERVICE ROAD IS SHOWN, THERE SHALL BE THE USUAL RIGHT OF DIRECT ACCESS BETWEEN THE ABUTTING PROPERTY AND SUCH OUTER ROADWAY OR SERVICE ROAD (EXCEPT WHERE ACCESS IS SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING NO RIGHT OF ACCESS) AND ALONG IT TO AND FROM THE NEAREST LANE OF THE THROUGHWAY OFA PUBLIC HIGHWAY. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.

- BEGINNING AND ENDING OF CONTROLLED ACCESS
- 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	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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
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QUANTITIES (QU) (19 SHEETS)	3
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PLAN-PROFILE (PP)	27-75
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PAVEMENT MARKING (PM)	239-253
CULVERT SECTIONS (CS)	254-267
BRIDGE DRAWINGS (B)	1-6
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CROSS SECTIONS (XS)	1-159

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 449 + 58.87	
END OF PROJECT	STA. 487 + 73.50	
APPARENT LENGTH	3,814.63	FEET

EQUATIONS AND EXCEPTIONS:

EQUATION: STA. 473+35.67 BK. TO STA. 461+35.20 AH.

TOTAL CORRECTIONS	1,200.47	FEET
NET LENGTH OF PROJECT	5,373.97	FEET
STATE LENGTH	1.018	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	17	ACRES

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

DATE PREPARED 9/29/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 1
COUNTY JASPER
JOB NO. JSR0060/J7S3506B
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. -

DESCRIPTION	DATE

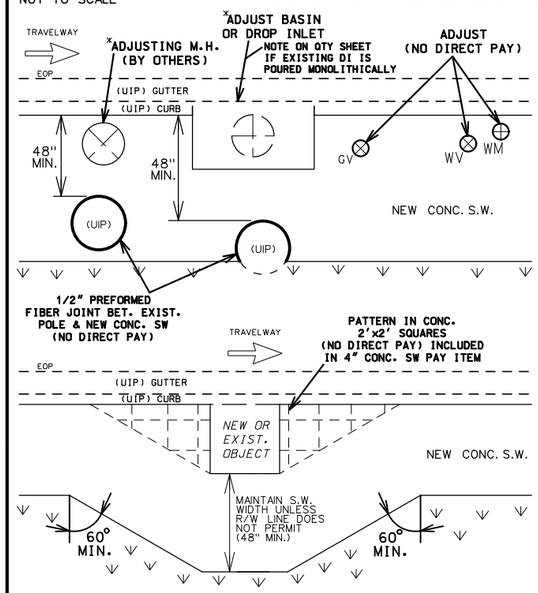
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING WITH UNTINTED CONCRETE AND APPROVED BY THE ENGINEER. TRUNCATED DOMES ARE REQ'D. AT STREET INTERSECTIONS AND COMMERCIAL ENTRANCES WITH TRAFFIC CONTROL ONLY. (STOP/YIELD SIGNS OR SIGNALS)
3. CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
4. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE 4" THICK, WITH THE EXCEPTION OF THE BOTTOM TRANSITION WHICH TIES INTO THE EXISTING PAVED APPROACH AND ROADWAY. THIS TRANSITION, OR LANDING AREA, MUST BE 8" THICK IF IT FALLS WITHIN THE RADIUS OF THE APPROACH AND SITS AT THE BACK OF CURB OF THE ROADWAY. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE ON 4" TYPE 1 AGGREGATE BASE.
5. AGGREGATE BASE DENSITY - CONTRACTOR SHALL EXERCISE GOOD COMPACTIVE EFFORT AS APPROVED BY THE ENGINEER. DENSITY REQUIREMENTS BY NUCLEAR METHOD WILL NOT BE REQUIRED DUE TO WORK AREA CONSTRAINTS.
6. CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
   RUNNING SLOPE = >5% (MIN.) TO 8.33% (MAX.) UNIFORMLY DOWN THE LENGTH OF THE RAMP.

   CONCRETE LANDING - WIDTH = TO MATCH PROPOSED CURB RAMP AND SIDEWALK WIDTH LENGTH = 5' MIN.
   SLOPE IN ALL DIRECTIONS = 1% PREFERRED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
7. ALL EXISTING UTILITIES SHALL BE USED IN PLACE UNLESS OTHERWISE NOTED. ALL MANHOLE OR VALVE COVER, ETC. ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IF THEY ARE LOCATED WITHIN THE IMPROVEMENT AREA.
8. "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
9. REINFORCING STEEL TIE BARS SHALL BE IN ACCORDANCE WITH SECTION 706. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND USED AS APPROVED BY THE ENGINEER. WHERE TIE BARS ARE USED, THE CONCRETE SHALL BE 8" THICK (NO DIRECT PAY).
10. CONSTRUCTION AND LENGTH OF EACH CURB RAMP INCLUDING LANDINGS AND TRANSITION AREAS SHALL BE AS SHOWN ON THE PLANS UNLESS DIFFERING FIELD CONDITIONS ARE FOUND OR AS APPROVED BY THE ENGINEER. CURB RAMP CROSS SLOPES SHALL BE 1% PREFERRED (2% MAX.) TOWARD THE STREET. CURB RAMPS ARE TO BE FORMED UP AND HAVE A TRUE AND STRAIGHT LINE.
11. SIDEWALK AND CONCRETE CURB SHALL BE POURED MONOLITHICALLY. THE CONTRACTOR SHALL MATCH EXISTING GROUND SLOPES ADJACENT TO THE CURB RAMPS OR USE AN ALTERNATE METHOD APPROVED BY THE ENGINEER.
12. S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
13. SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.
14. IF THERE IS NO EXISTING CURB & GUTTER, OFFSET THE EOP 2.5' BEFORE CONSTRUCTING ANY CURBING, RAMP OR SIDEWALK.

NOT TO SCALE

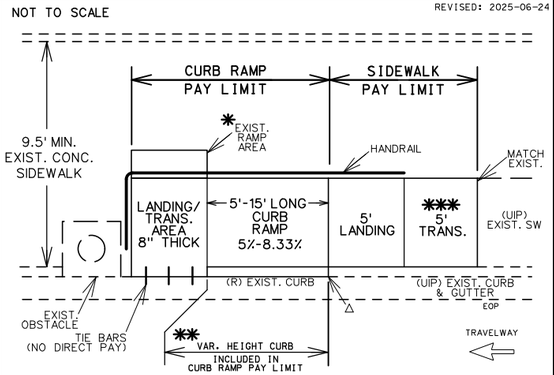


UTILITIES OR VARIOUS OBSTACLES

NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AREAS AND SIDEWALK WITH A MINIMUM OF 4' CLEARANCE AROUND THE POLE

NOT TO SCALE

REVISED: 2025-06-24



△ MATCH EXIST CURB

* FILL IN WHERE EXIST. RAMP WAS. SIZE WILL VARY. (SEE TYPICAL SHEET)

** VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS.

*** TRANSITION PANEL(S) TO BLEND CROSS SLOPE DISCREPENCY WARP RATE NOT TO EXCEED 0.5% PER FT

HANDRAIL 2' OFF E.O.P (SEE HANDRAIL STANDARDS)

CURB RAMP - IN EXISTING 9.5'+ WIDE SW

PAY LIMITS

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: JASPER

JOB NO.: J7S3506B

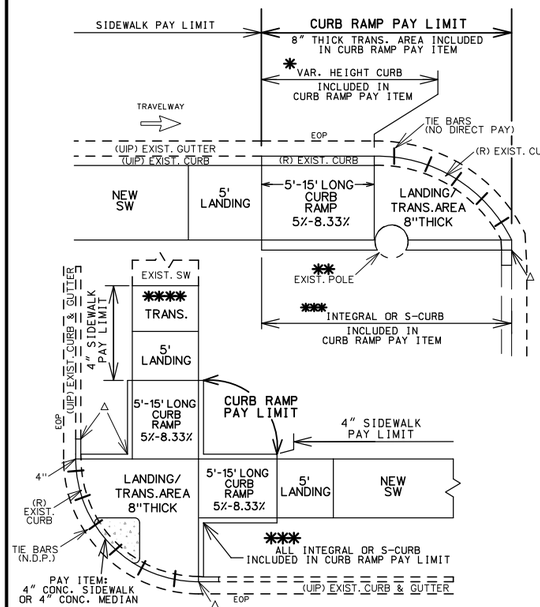
CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE



△ MATCH EXIST CURB HEIGHT, OPTIONAL 1' TIE-IN TO EXIST CURB

* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONST. MONOLITHIC OR SEP. DEPENDING ON CONST. OPERATIONS.

** NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AND TRANSITION AREAS.

*** TYPE OF CURB WILL DEPEND ON FIELD CONDITIONS.

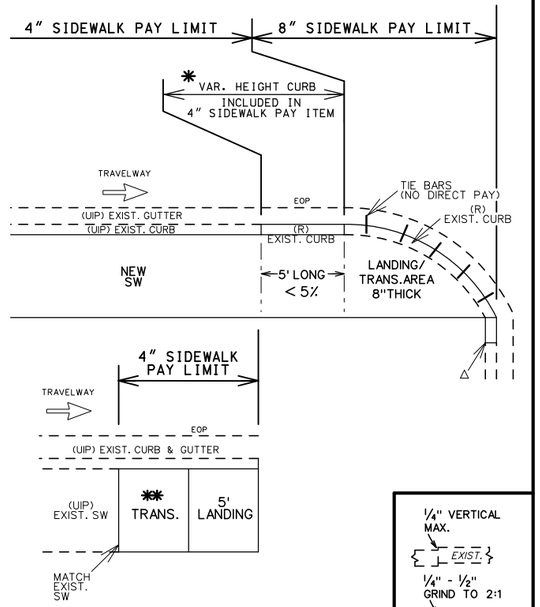
*** TRANSITION PANEL(S) TO BLEND CROSS SLOPE DISCREPENCY WARP RATE NOT TO EXCEED 0.5% PER FT

CURB RAMP

PAY LIMITS

WHEN RAMP AREA IS LONGER THAN 5' AND BETW. 5%-8.33% GRADE, IT IS CONSIDERED A CURB RAMP

NOT TO SCALE



△ MATCH EXIST CURB HEIGHT (1' TAPER FROM SIDEWALK UP TO EXIST CURB HEIGHT)

* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS. DOWEL TO EXIST. GUTTER/PAVEMENT (NO DIRECT PAY).

** TRANSITION PANEL(S) TO BLEND CROSS SLOPE DISCREPENCY WARP RATE NOT TO EXCEED 0.5% PER FT

SIDEWALK

PAY LIMITS

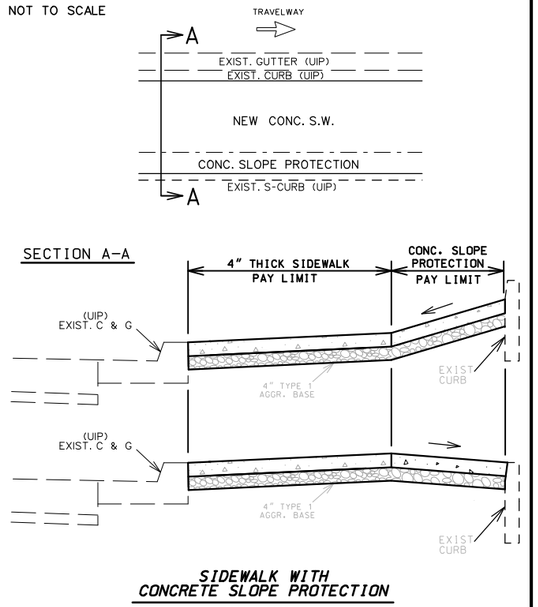
WHEN RAMP AREA IS LESS THAN 5% GRADE, IT IS CONSIDERED SIDEWALK

NOT TO SCALE

JOINT GRINDING

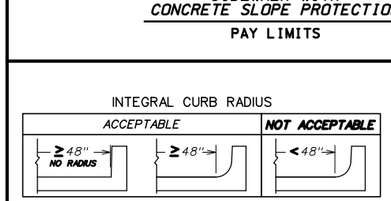
TRIP HAZARDS 622-99.03

NOT TO SCALE



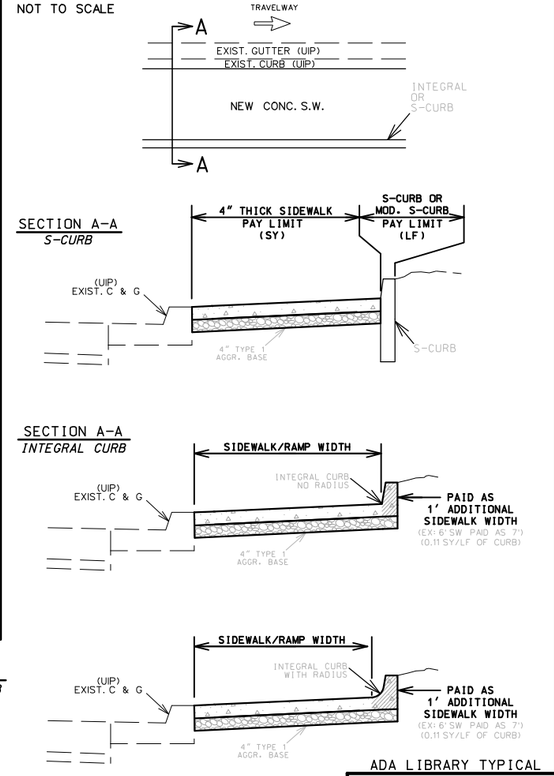
SIDEWALK WITH CONCRETE SLOPE PROTECTION

PAY LIMITS



SECTION A-A
INTEGRAL CURB WITH RADIUS

NOT TO SCALE



SIDEWALK & RAMP WITH CURB

PAY LIMITS

ADA LIBRARY TYPICAL

TYPICAL SHEET SHEET 1 OF 8

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

REVISED: 2025-05-30

TYPE 1-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	22.0	24.0	–	22.0	24.0	–	22.0	24.0	
CURB RAMP SY	–	10.9	13.1	–	13.6	16.3	–	16.2	19.3	
CONC. SIDEWALK SY	–	5.6	6.3	–	5.6	6.4	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	16.5	19.4	–	19.2	22.7	–	21.1	25.0	
ADA LINEAR GRADING LF	–	28.0	28.0	–	34.5	34.5	–	38.0	38.0	
SODDING SY	–	7.4	7.8	–	8.4	8.7	–	9.1	9.5	

TYPE 1-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	12.0	–	10.0	12.0	–	10.0	12.0	
CURB RAMP SY	–	8.8	10.3	–	11.5	13.4	–	14.1	16.5	
CONC. SIDEWALK SY	–	5.6	6.4	–	5.6	6.4	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	14.4	16.7	–	17.1	19.8	–	19.0	22.1	
ADA LINEAR GRADING LF	–	22.0	22.0	–	26.5	26.5	–	30.0	30.0	
SODDING SY	–	11.5	11.7	–	13.5	13.5	–	15.0	15.2	

TYPE 1-C

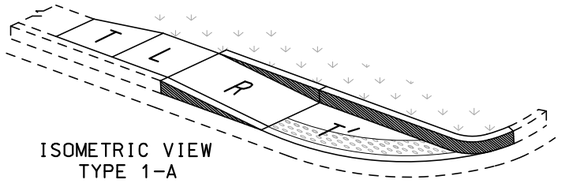
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	18.0	24.0	–	18.0	24.0	–	18.0	24.0	
CURB RAMP SY	–	18.6	22.8	–	24.0	29.0	–	29.3	35.3	
CONC. SIDEWALK SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	29.8	35.6	–	35.2	41.8	–	39.1	46.7	
ADA LINEAR GRADING LF	–	42.0	50.0	–	57.0	61.0	–	67.0	72.0	
SODDING SY	–	11.0	11.3	–	13.0	13.3	–	14.5	14.9	

TYPE 1-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	18.0	24.0	–	18.0	24.0	–	18.0	24.0	
CURB RAMP SY	–	14.8	19.0	–	20.1	25.2	–	25.5	31.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	26.0	31.8	–	31.3	38.0	–	35.3	42.8	
ADA LINEAR GRADING LF	–	43.0	46.0	–	52.0	55.0	–	59.0	62.0	
SODDING SY	–	13.3	13.6	–	16.0	16.9	–	18.6	19.3	

TYPE 1-E

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	14.0	16.0	–	14.0	16.0	–	14.0	16.0	
CURB RAMP SY	–	15.5	19.0	–	20.8	25.2	–	26.2	31.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	11.2	12.8	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	26.7	31.8	–	32.0	38.0	–	36.0	42.8	
ADA LINEAR GRADING LF	–	43.0	46.0	–	52.0	55.0	–	59.0	62.0	
SODDING SY	–	18.4	18.8	–	22.4	22.8	–	25.6	25.9	



ISOMETRIC VIEW
TYPE 1-A

T'- IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

R - RAMP

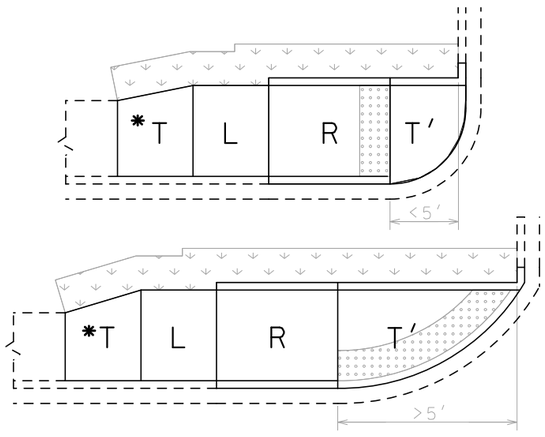
- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

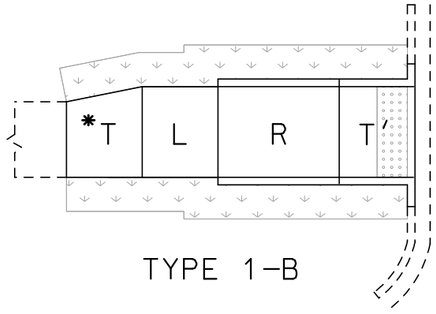
- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR >5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

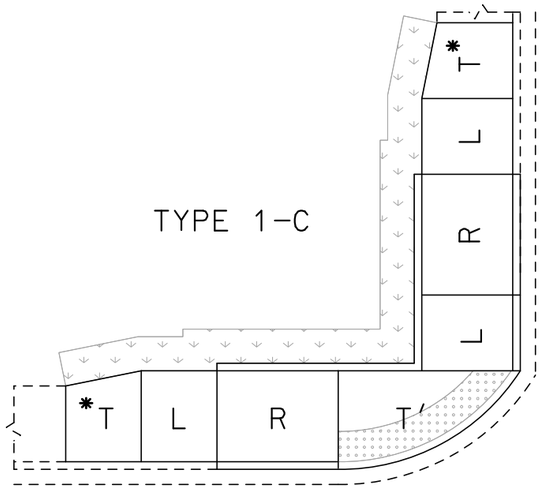
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



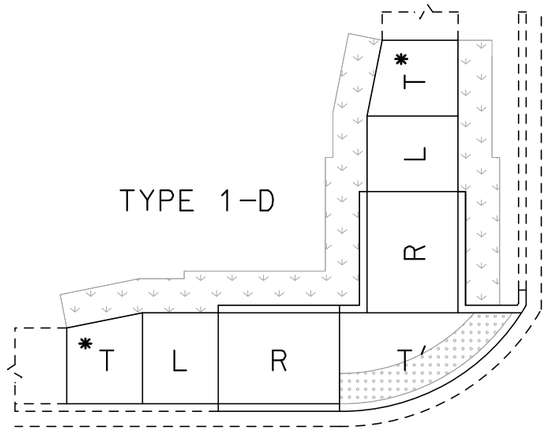
TYPE 1-A



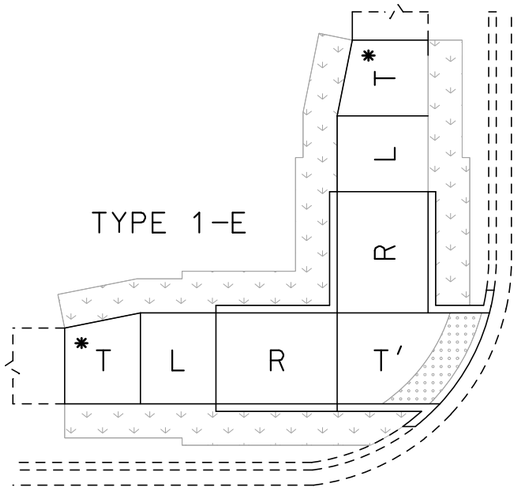
TYPE 1-B



TYPE 1-C



TYPE 1-D



TYPE 1-E

ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

TYPICAL SHEET 2 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

PARALLEL – TYPE 2

TYPE 2-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	9.1	10.6	–	11.8	13.7	–	14.4	16.8	
CONC. SIDEWALK SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	14.7	17.0	–	16.7	19.4	–	19.3	22.5	
ADA LINEAR GRADING LF	–	26.0	26.0	–	29.0	29.0	–	33.0	33.0	
SODDING SY	–	8.0	8.3	–	8.6	8.8	–	9.6	9.8	

TYPE 2-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	11.8	13.3	–	14.5	16.4	–	17.2	19.5	
CONC. SIDEWALK SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	17.4	19.7	–	19.4	22.1	–	22.1	25.2	
ADA LINEAR GRADING LF	–	26.0	26.0	–	29.0	29.0	–	33.0	33.0	
SODDING SY	–	13.8	14.1	–	15.1	15.5	–	17.1	17.5	

TYPE 2-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	16.4	18.7	–	21.7	24.9	–	27.0	31.2	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	27.6	31.5	–	31.5	36.3	–	36.8	42.6	
ADA LINEAR GRADING LF	–	41.0	41.0	–	47.0	47.0	–	55.0	55.0	
SODDING SY	–	12.3	12.5	–	13.6	13.9	–	15.6	15.9	

TYPE 2-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	16.8	19.2	–	22.2	25.4	–	27.5	31.6	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	28.0	32.0	–	32.0	36.8	–	37.3	43.0	
ADA LINEAR GRADING LF	–	41.0	41.0	–	47.0	47.0	–	55.0	55.0	
SODDING SY	–	20.2	20.3	–	22.4	23.2	–	26.4	27.2	

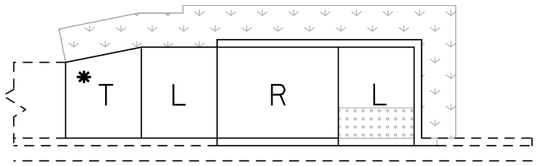
TYPE 2-E

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	10.8	11.5	–	13.2	14.4	–	15.7	17.3	
CONC. SIDEWALK SY	–	5.6	6.7	–	5.0	6.0	–	5.0	6.0	
TYPE 1 AGGREGATE SY	–	16.4	18.2	–	18.2	20.4	–	20.7	23.3	
ADA LINEAR GRADING LF	–	22.5	22.5	–	26.5	26.5	–	30.5	30.5	
SODDING SY	–	–	–	–	–	–	–	–	–	
HANDRAIL LF	–	–	–	–	–	–	–	–	–	SEE STANDARDS FOR LENGTH

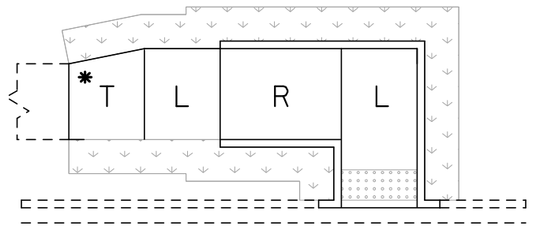
TYPE 2-F

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	10.0	10.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.5	17.1	–	20.4	23.1	–	25.5	28.9	
CONC. SIDEWALK SY	–	11.2	13.4	–	10.0	12.0	–	10.0	12.0	
TYPE 1 AGGREGATE SY	–	26.7	30.5	–	30.4	35.1	–	35.5	40.9	
ADA LINEAR GRADING LF	–	39.0	39.0	–	47.0	47.0	–	55.0	55.0	
SODDING SY	–	–	–	–	–	–	–	–	–	
HANDRAIL LF	–	–	–	–	–	–	–	–	–	SEE STANDARDS FOR LENGTH

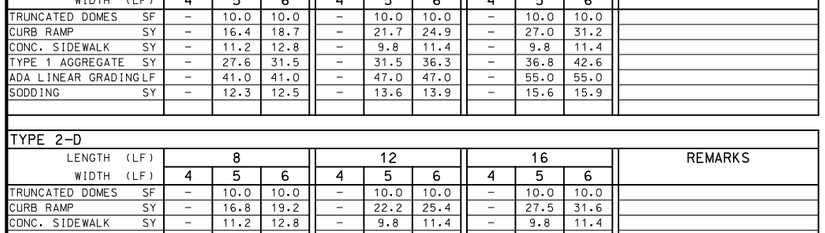
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 2-A



TYPE 2-B



TYPE 2-D

** 3.5' LANDING EXTENSION REQ'D. FOR INSTALLATION OF FUTURE OR NEW PED. PUSH BUTTON

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

– TRUNCATED DOMES

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

T – TRANSITION TO EXISTING SW

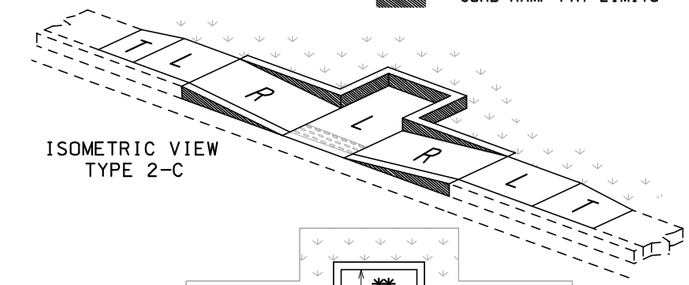
* – T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L – LANDING

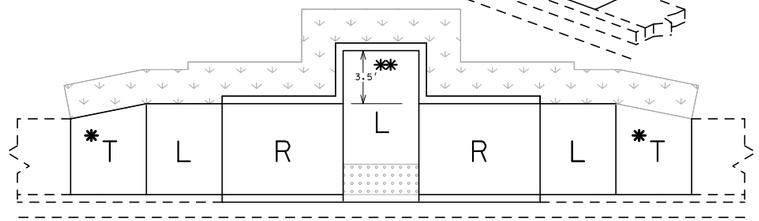
R – RAMP

– SOD SLOPE 6:1 MIN.

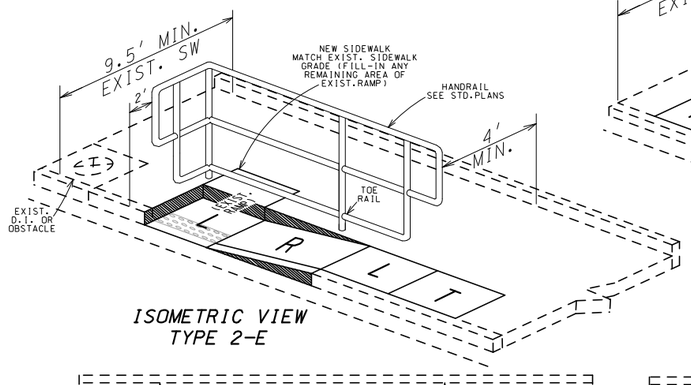
– CURB RAMP PAY LIMITS



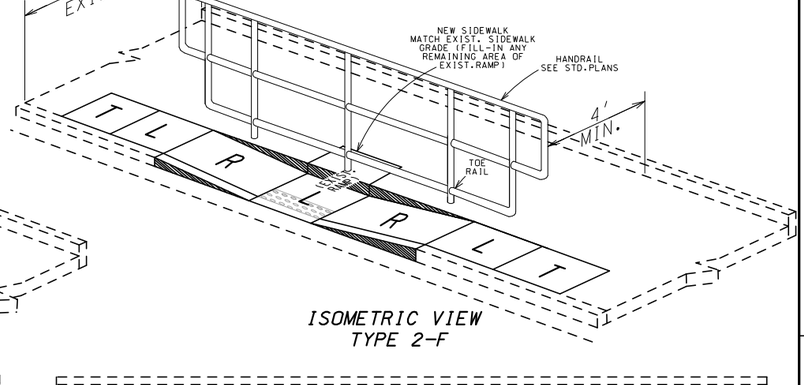
ISOMETRIC VIEW
TYPE 2-C



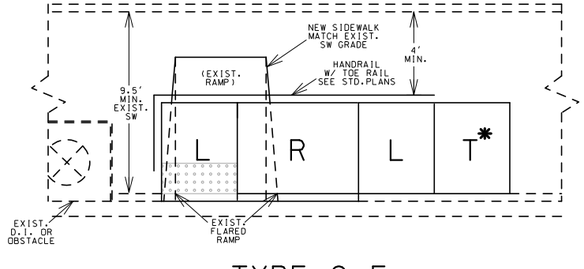
TYPE 2-C



ISOMETRIC VIEW
TYPE 2-E



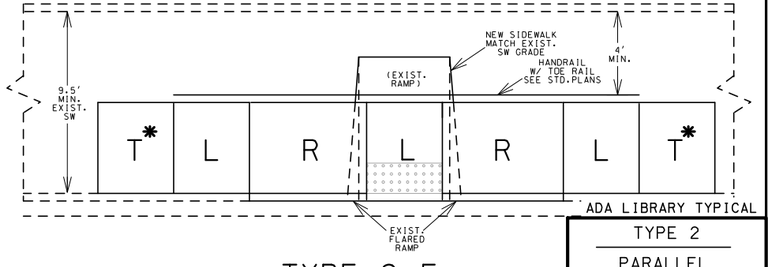
ISOMETRIC VIEW
TYPE 2-F



TYPE 2-E

USE ONLY WHEN TYPE 2-F IS UNABLE TO BE CONSTRUCTED DUE TO AN EXIST. D.I. OR OTHER OBSTACLE

SEE STANDARDS FOR HANDRAIL SPECS



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

REVISED: 2025-05-30

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: JASPER

JOB NO.: J7S3506B

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

TYPE 2
PARALLEL CURB RAMPS

TYPICAL SHEET 3 OF 8

PARALLEL - TYPE 2 (cont'd.)

TYPE 2-G

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	12.0	12.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.7	18.0	–	20.8	23.7	–	25.8	30.2	
CONC. SIDEWALK SY	–	21.4	25.0	–	17.6	20.3	–	15.2	17.5	
TYPE 1 AGGREGATE SY	–	37.1	43.0	–	38.4	44.0	–	41.0	47.7	
ADA LINEAR GRADING LF	–	52.0	52.0	–	54.0	54.0	–	58.0	58.0	
SODDING SY	–	13.6	13.6	–	13.7	13.5	–	14.5	14.9	

TYPE 2-H

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	12.0	12.0	–	10.0	10.0	–	10.0	10.0	
CURB RAMP SY	–	15.7	18.0	–	21.0	24.5	–	26.9	31.4	
CONC. SIDEWALK SY	–	13.2	16.0	–	12.0	14.2	–	12.0	14.4	
TYPE 1 AGGREGATE SY	–	28.9	34.0	–	33.0	38.6	–	38.9	45.8	
ADA LINEAR GRADING LF	–	42.0	42.0	–	49.0	49.0	–	55.0	55.0	
SODDING SY	–	11.1	11.2	–	12.5	12.5	–	14.5	14.9	

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

REVISED: 2025-05-30

T - TRANSITION TO EXISTING SW

L - LANDING

R - RAMP

- SOD SLOPE 6:1 MIN.

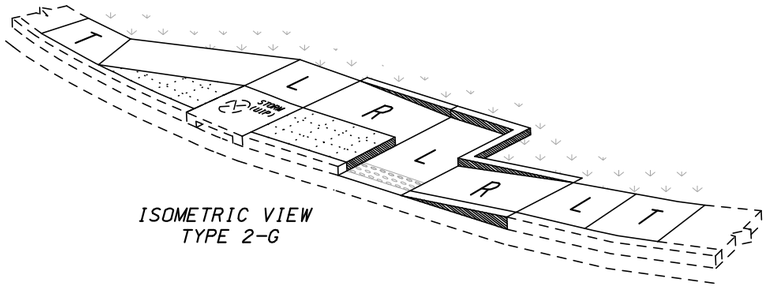
- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR > 5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

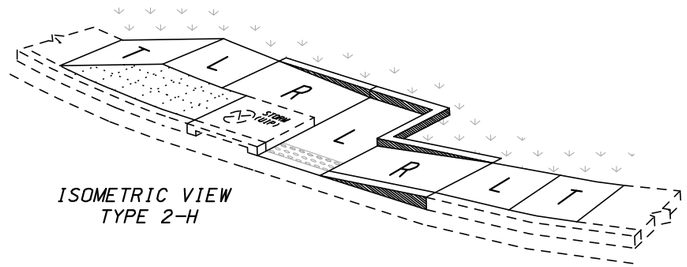
- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

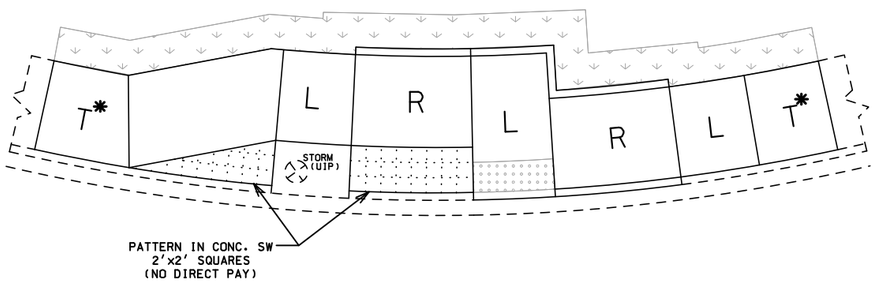
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



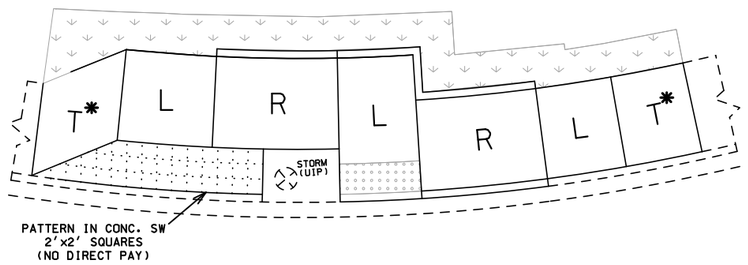
ISOMETRIC VIEW
TYPE 2-G



ISOMETRIC VIEW
TYPE 2-H



TYPE 2-G



TYPE 2-H

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL CURB RAMPS

TYPICAL SHEET 4 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: JASPER

JOB NO.: J7S3506B

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

DIAGONAL – TYPE 3

TYPE 3-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	24.0	28.0	–	20.6	25.0	–	20.6	25.0	
CURB RAMP SY	–	24.4	27.0	–	26.9	31.2	–	32.2	37.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	35.6	39.8	–	36.7	42.6	–	42.0	48.8	
ADA LINEAR GRADING LF	–	51.0	51.0	–	59.0	59.0	–	67.0	67.0	
SODDING SY	–	11.6	11.4	–	12.9	12.9	–	14.9	14.9	
4"SW OR MED STRIP SY	–	3.0	2.2	–	3.0	2.2	–	3.0	2.2	

TYPE 3-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	24.0	28.0	–	20.6	25.0	–	20.6	25.0	
CURB RAMP SY	–	22.0	26.3	–	25.9	31.2	–	31.2	37.4	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	33.2	39.1	–	35.7	42.6	–	41.0	48.8	
ADA LINEAR GRADING LF	–	51.0	51.0	–	59.0	59.0	–	67.0	67.0	
SODDING SY	–	15.2	15.3	–	17.1	17.5	–	20.1	20.5	
4"SW OR MED STRIP SY	–	1.5	1.5	–	1.5	1.5	–	1.5	1.5	

TYPE 3-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	20.0	24.0	–	20.0	24.0	–	20.0	24.0	
CURB RAMP SY	–	20.7	26.8	–	25.1	31.5	–	30.4	37.7	
CONC. SIDEWALK SY	–	11.2	12.8	–	9.8	11.4	–	9.8	11.4	
TYPE 1 AGGREGATE SY	–	31.9	39.6	–	34.9	42.9	–	40.2	49.1	
ADA LINEAR GRADING LF	–	51.0	51.0	–	58.0	58.0	–	67.0	67.0	
SODDING SY	–	18.8	19.3	–	21.3	22.1	–	25.3	26.1	
4"SW OR MED STRIP SY	–	1.0	1.6	–	1.0	1.6	–	1.0	1.6	

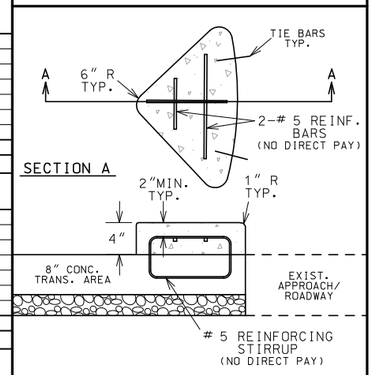
TYPE 3-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	24.0	28.0	–	22.4	26.5	–	22.4	26.5	
CURB RAMP SY	–	15.9	19.1	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK SY	–	5.6	6.4	–	4.9	5.7	–	4.9	5.7	
TYPE 1 AGGREGATE SY	–	21.5	25.5	–	22.6	27.1	–	25.3	30.2	
ADA LINEAR GRADING LF	–	31.0	31.0	–	34.0	34.0	–	38.0	38.0	
SODDING SY	–	12.6	12.9	–	13.5	14.0	–	15.5	16.0	
4"SW OR MED STRIP SY	–	1.0	0.8	–	1.0	0.8	–	1.0	0.8	

TYPE 3-E

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	–	20.0	24.0	–	20.0	24.0	–	20.0	24.0	
CURB RAMP SY	–	17.2	19.8	–	17.7	21.4	–	20.4	24.5	
CONC. SIDEWALK SY	–	8.4	10.7	–	7.3	9.4	–	7.3	9.4	
TYPE 1 AGGREGATE SY	–	25.6	30.5	–	25.0	30.8	–	27.7	33.9	
ADA LINEAR GRADING LF	–	30.0	30.0	–	35.5	35.5	–	39.5	39.5	
SODDING SY	–	12.4	12.4	–	12.9	13.3	–	14.9	15.3	
4"SW OR MED STRIP SY	–	1.6	1.6	–	1.6	1.6	–	1.6	1.6	

– DETAIL – 4" SIDEWALK OR 4" MEDIAN STRIP



T'– IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

T – TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED IF CONDITIONS ALLOW)

T* – IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE WITH THE NEW LANDING XSLOPE)

L – LANDING

R – RAMP

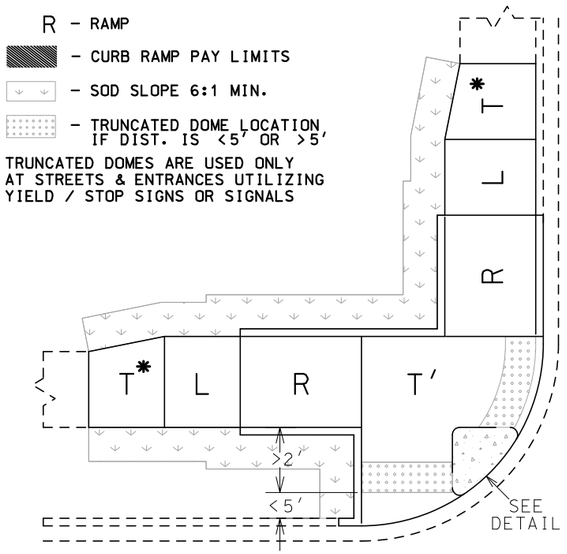
– CURB RAMP PAY LIMITS

– SOD SLOPE 6:1 MIN.

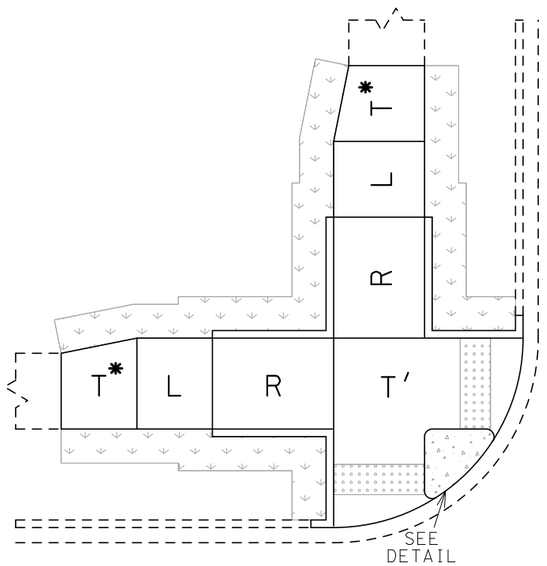
– TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

TYPE 3-A

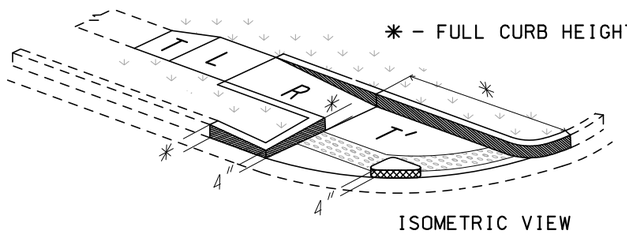


TYPE 3-B

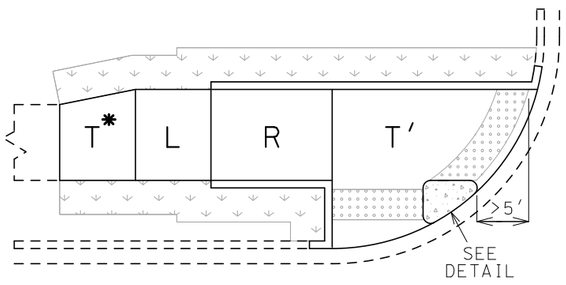


TYPE 3-C

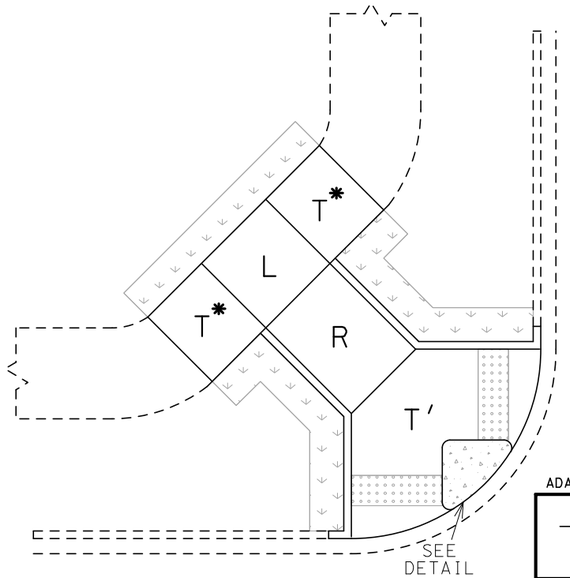
* – FULL CURB HEIGHT



ISOMETRIC VIEW
TYPE 3-D



TYPE 3-D



TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL CURB RAMPS

TYPICAL SHEET 5 OF 8

REVISED: 2025-06-09

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 10/5/2026
ROUTE: 96 | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: JASPER
JOB NO.: J7S3506B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

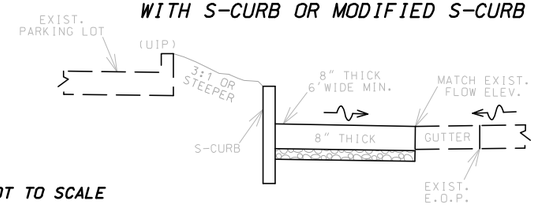
REVISED: 2022-05-16

NOTES FOR MODIFIED SIDEWALK:

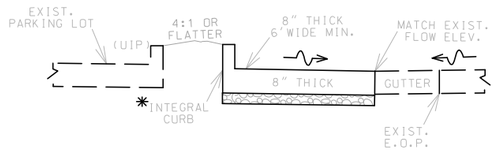
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK PAID FOR AS 8" SIDEWALK.
6. 6' MINIMUM WIDTH.
7. NO DIRECT PAY FOR SAW CUTS AND TIE BARS (ON 12" CENTERS MAX.)
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

* INTEGRAL CURB IS PAID FOR WITH THE 8" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

SECTION A-A
WITH S-CURB OR MODIFIED S-CURB



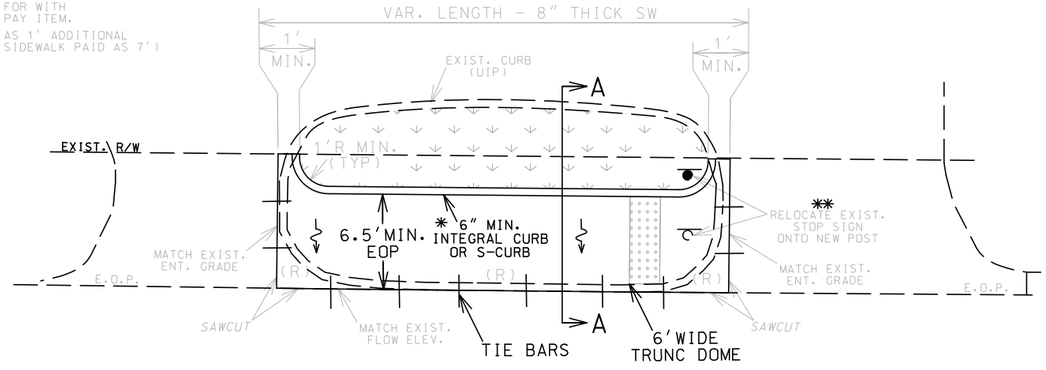
SECTION A-A
WITH INTEGRAL CURB



NOT TO SCALE

TYPICAL MODIFIED SIDEWALK
8" THICK

** TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP/YIELD SIGNS OR SIGNALS.

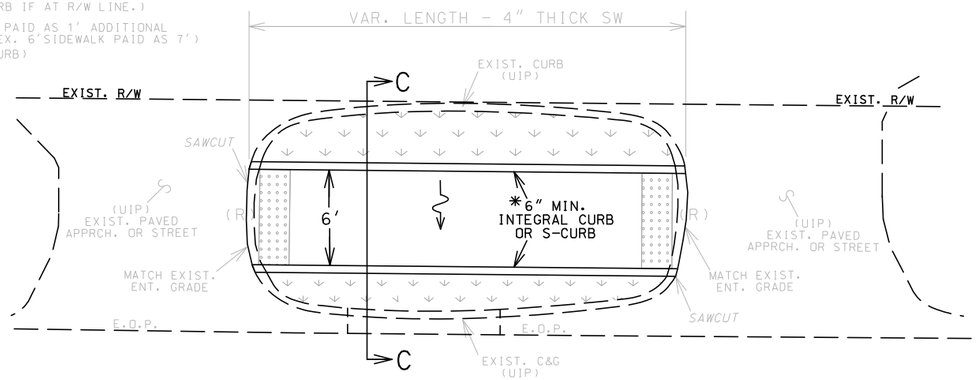


NOTES FOR CUT-THRU SIDEWALK:

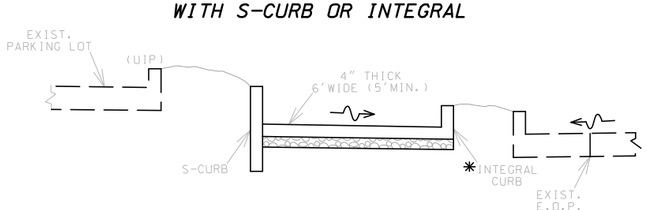
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU SIDEWALK PAID FOR AS 4" SIDEWALK.
6. 6' PREFERRED WIDTH (5' MIN.)
7. SAW CUTS (NO DIRECT PAY).
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

* INTEGRAL CURB IS PAID FOR AS 4" CONC. SIDEWALK PAY ITEM. S-CURB IS PAID FOR AS ITS OWN PAY ITEM. (ALWAYS USE S-CURB IF AT R/W LINE.)
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

TYPICAL CUT-THRU SIDEWALK



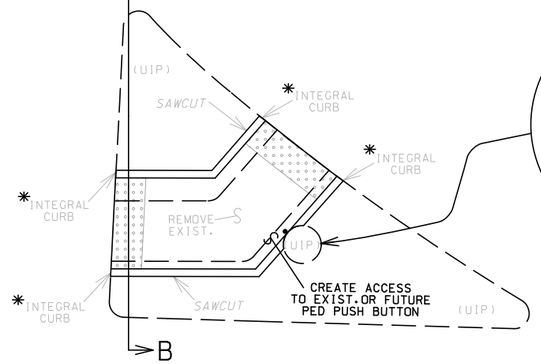
SECTION C-C
WITH S-CURB OR INTEGRAL

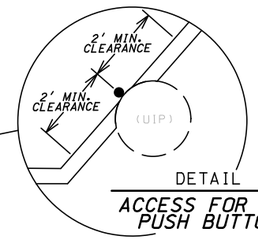


NOT TO SCALE

NOT TO SCALE

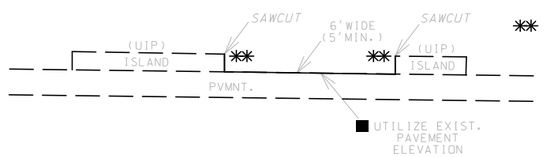
TYPICAL ISLAND CUT-THRU SIDEWALK
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN





DETAIL
ACCESS FOR PED PUSH BUTTON

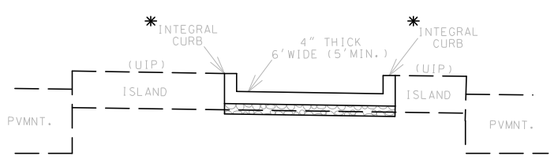
SECTION B-B
ISLAND CUT-THRU SIDEWALK FOR EXISTING 'PINNED-ON' ISLAND



■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF FIELD CONDITIONS DO NOT WARRANT)

** NO INTEGRAL CURB. AGGR. OR LIN. GRADING REQUIRED IF THE ISLAND IS 'PINNED-ON'

SECTION B-B
ISLAND CUT-THRU SIDEWALK



* INTEGRAL CURB IS PAID FOR WITH THE 4" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

ADA LIBRARY TYPICAL

MODIFIED SIDEWALK AND SIDEWALK CUT-THRUs

TYPICAL SHEET 6 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-23339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 10/5/2026
ROUTE: 96 | STATE: MO
DISTRICT: SW | SHEET NO.: 2
COUNTY: JASPER
JOB NO.: J7S3506B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

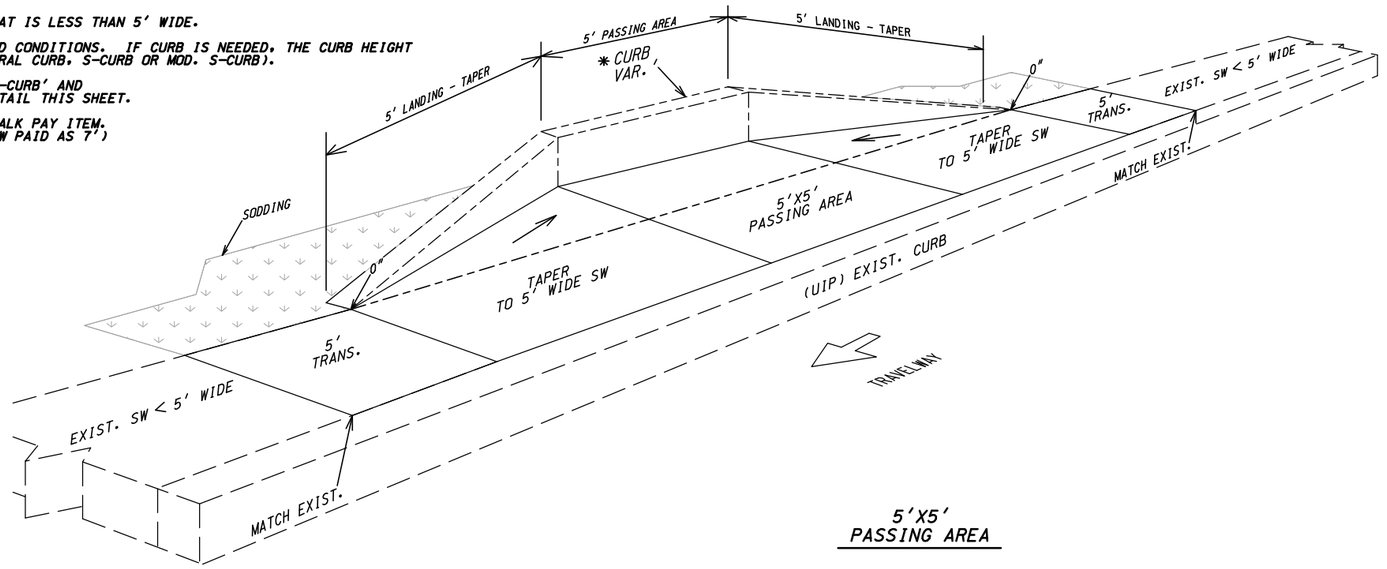
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
(MO 65102 | 75-6636)
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

REVISED: 2024-01-18

NOTES:

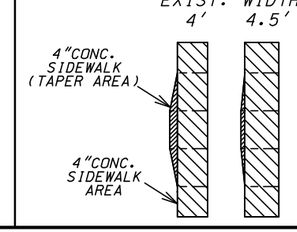
1. PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.
2. * CURB MAY OR MAY NOT BE NEEDED DEPENDING ON FIELD CONDITIONS. IF CURB IS NEEDED, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).
3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
4. ** INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6' SW PAID AS 7') (0.11 SY/LF OF CURB)



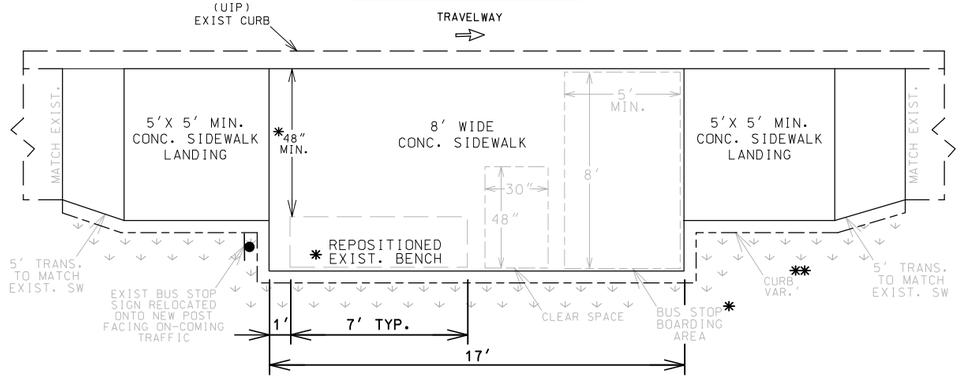
5'X5' PASSING AREA

NOT TO SCALE

QUANTITIES FOR PASSING AREAS				
EXISTING SW WIDTH			4'	4.5'
4" CONC. SIDEWALK (TAPER)		SY	1.3	0.7
TYPE 1 AGGREGATE		SY	1.3	0.7
4" CONC. SIDEWALK		SY	10.4	11.7
TYPE 1 AGGREGATE		SY	10.4	11.7
INTEGRAL CURB	**	SY	2.0	2.0
TYPE 1 AGGREGATE		SY	1.0	1.0
S-CURB		LF	17.2	16.0
MODIFIED S-CURB		LF	17.2	16.0
SODDING		SY	53.0	53.0
LINEAR GRADING		LF	25.0	25.0



BUS STOP WITH BENCH



NOTES:

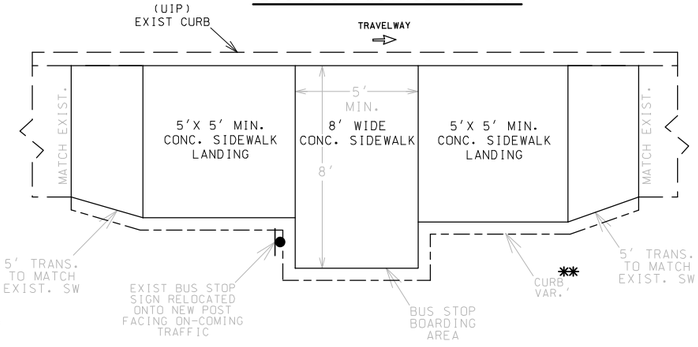
* 1. THE REPOSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.

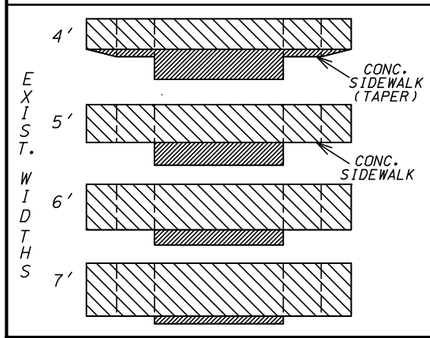
** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).

3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.

*** 4. INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. INTEGRAL CURB PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6'SW PAID AS 7') (0.11 SY/LF OF CURB)

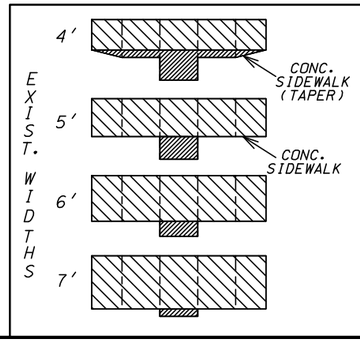
BUS STOP WITHOUT BENCH





QUANTITIES FOR BUS STOPS WITH BENCH					
EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	9.3	5.8	3.9	1.9
TYPE 1 AGGREGATE	SY	9.3	5.8	3.9	1.9
4" CONC. SIDEWALK	SY	16.5	20.4	24.3	28.2
TYPE 1 AGGREGATE	SY	16.5	20.4	24.3	28.2
INTEGRAL CURB ***	SY	5.4	3.4	3.2	2.9
TYPE 1 AGGREGATE	SY	2.7	1.7	1.6	1.5
S-CURB	LF	43.5	27.0	25.0	23.0
MODIFIED S-CURB	LF	43.5	27.0	25.0	23.0
SODDING	SY	10.6	10.4	9.8	9.4
LINEAR GRADING	LF	37.0	37.0	37.0	37.0

NOT TO SCALE



QUANTITIES FOR BUS STOPS - NO BENCH					
EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	3.9	1.8	1.3	0.7
TYPE 1 AGGREGATE	SY	3.9	1.8	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	12.9	15.5	18.0
TYPE 1 AGGREGATE	SY	10.4	12.9	15.5	18.0
INTEGRAL CURB ***	SY	3.8	2.0	1.8	1.6
TYPE 1 AGGREGATE	SY	1.9	1.0	0.9	0.8
S-CURB	LF	31.0	15.0	13.0	11.0
MODIFIED S-CURB	LF	31.0	15.0	13.0	11.0
SODDING	SY	7.6	7.4	6.8	6.4
LINEAR GRADING	LF	25.0	25.0	25.0	25.0

ADA LIBRARY TYPICAL

PASSING AREAS AND BUS STOPS

TYPICAL SHEET 7 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

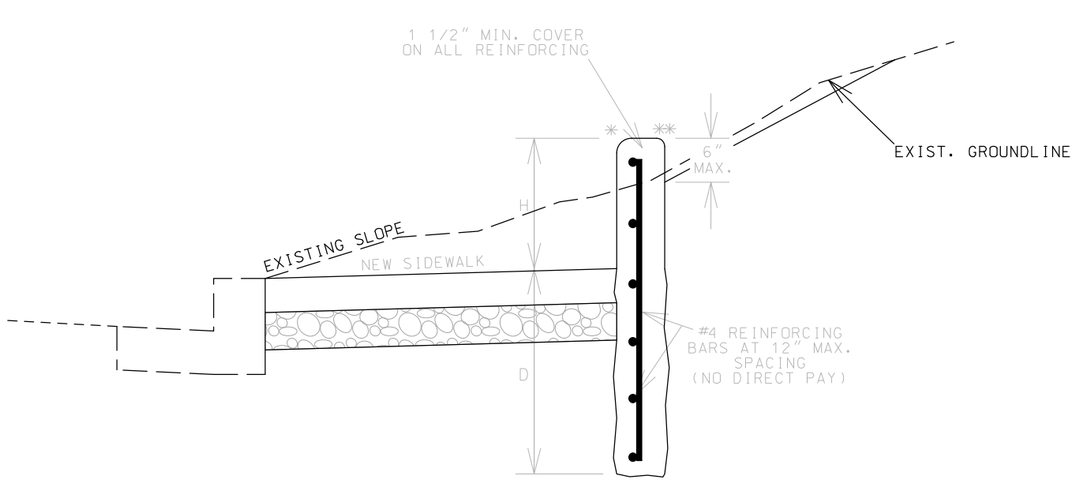
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

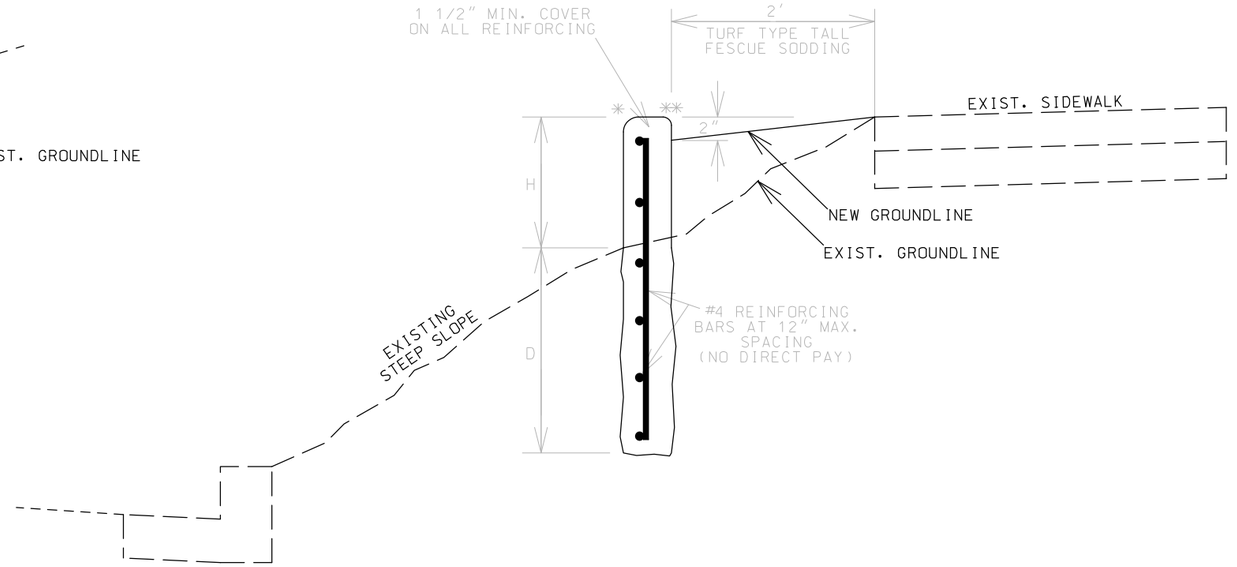
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

CREATED: 2023-11-16
REVISED: 2024-02-13

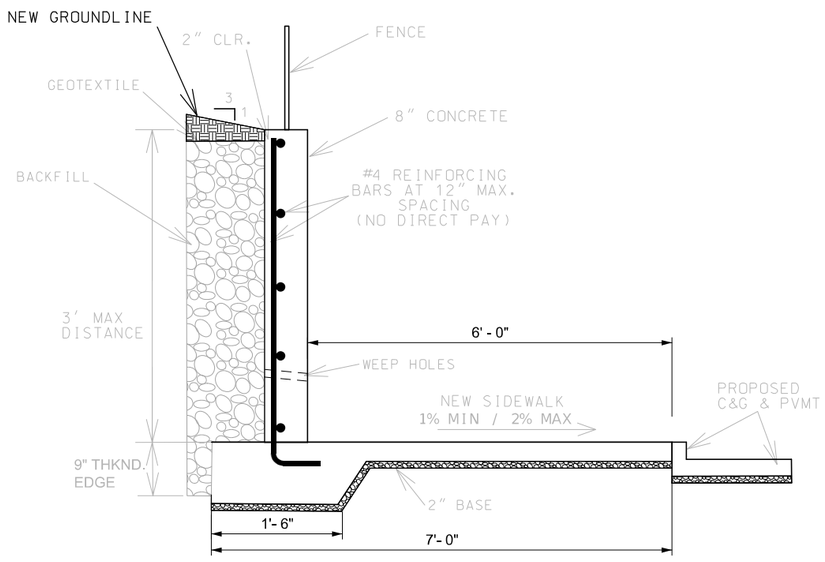
* ROUND TO 3/4" RADIUS
** ROUND TO 1/4" RADIUS
H = 2'-6" MAX. (30")
D = BURY DEPTH (FORMING NOT REQUIRED)
THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.
VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

MODIFIED S-CURB
> 12" TALL (2'-6" MAX.)





NOT TO SCALE



MODIFIED S-CURB
> 12" TALL (3'-0" MAX.)
POURED CONCRETE SIDEWALK WALL

NOT TO SCALE

ADA LIBRARY TYPICAL

MODIFIED S-CURB

TYPICAL SHEET
8 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

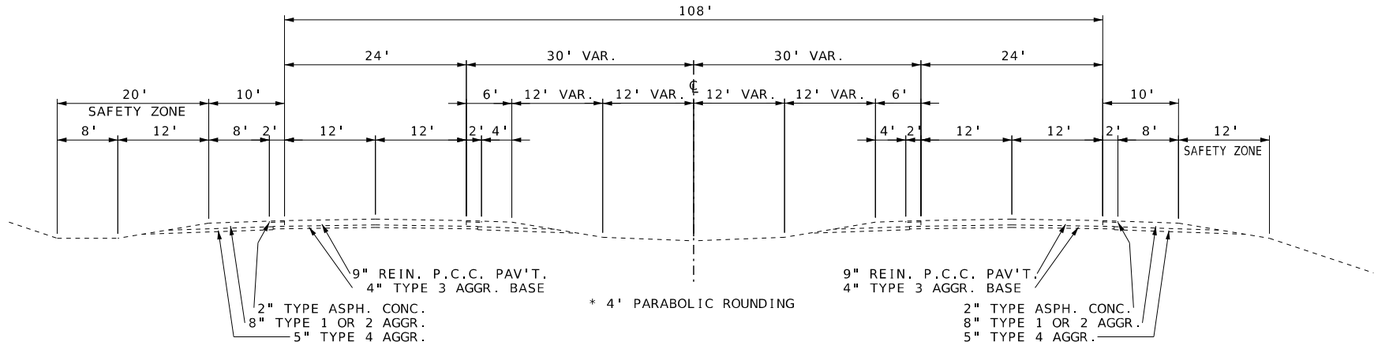
BRIDGE NO.

DESCRIPTION	DATE

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

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

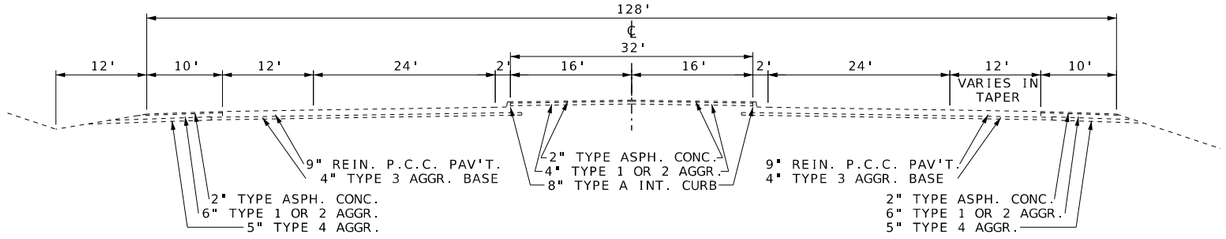
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



EXISTING TYPICAL SECTION

ROUTE 96/171

STA. 446+00.00 TO STA. 456+06.00



EXISTING TYPICAL SECTION

ROUTE 96/171

STA. 453+66.00 TO STA. 470+00.00

EXISTING TYPICAL
SECTION SHEET
SHEET 1 OF 12

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

DATE PREPARED
8/10/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

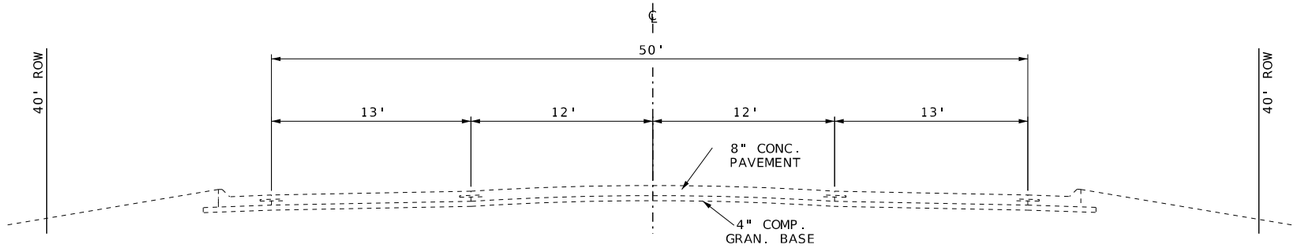
BRIDGE NO.
-

DESCRIPTION	DATE

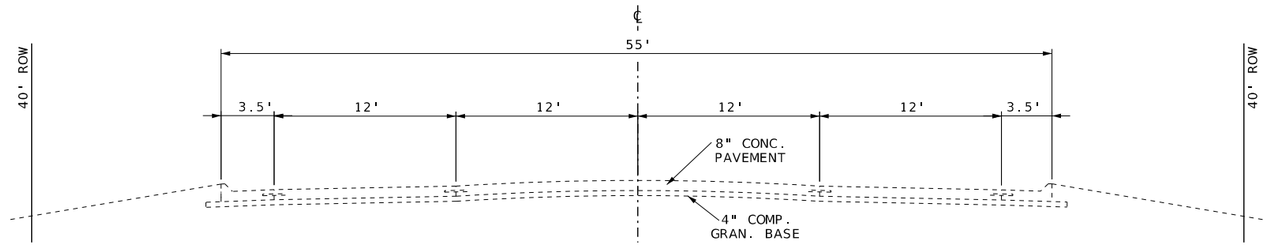
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

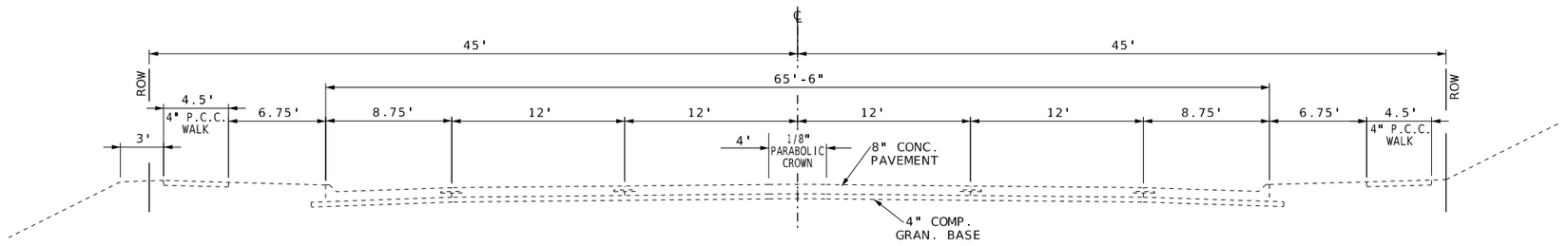
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



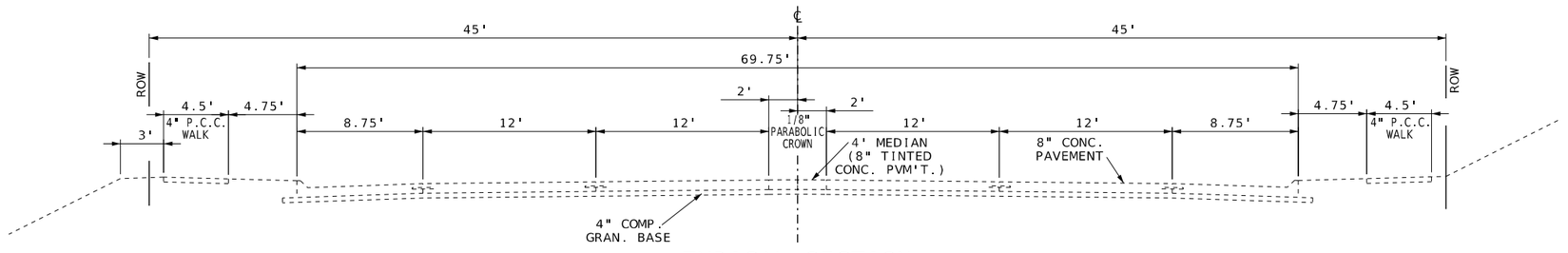
TYPICAL SECTION
ROUTE 96
STA. 461+35.20 TO STA. 467+00.00 ON LT.
EQUATION 473+35.67 BK. TO 461+35.20 AH.
STA. 461+30.30 TO STA. 467+25.00 ON RT.



TYPICAL SECTION
ROUTE 96
STA. 467+00.00 TO STA. 467+96.00 ON LT.
STA. 467.25.00 TO STA. 467+96.00 ON RT.



TYPICAL SECTION
ROUTE 96
STA. 467+96.00 TO STA. 481+20.70
BAKER BLVD. TO FRANCIS ST.



TYPICAL SECTION
ROUTE 96
STA. 481+20.70 TO STA. 487+73.50
FRANCIS ST. TO BLANCHE ST.

EXISTING TYPICAL
SECTION SHEET
SHEET 2 OF 12

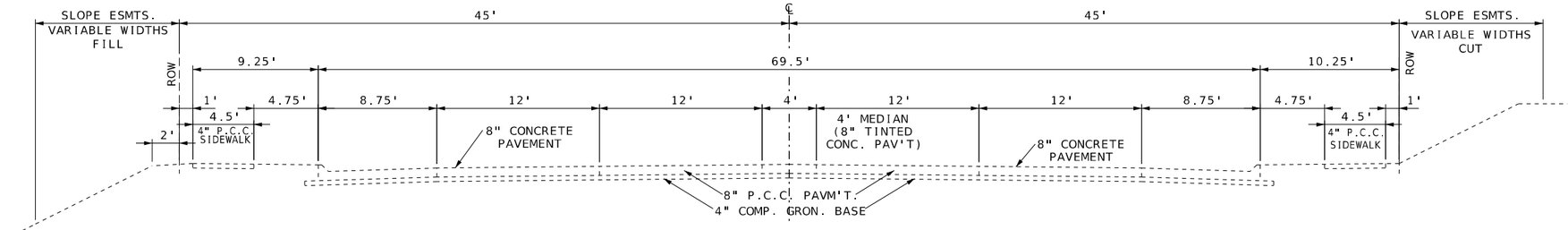
STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/29/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	2
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

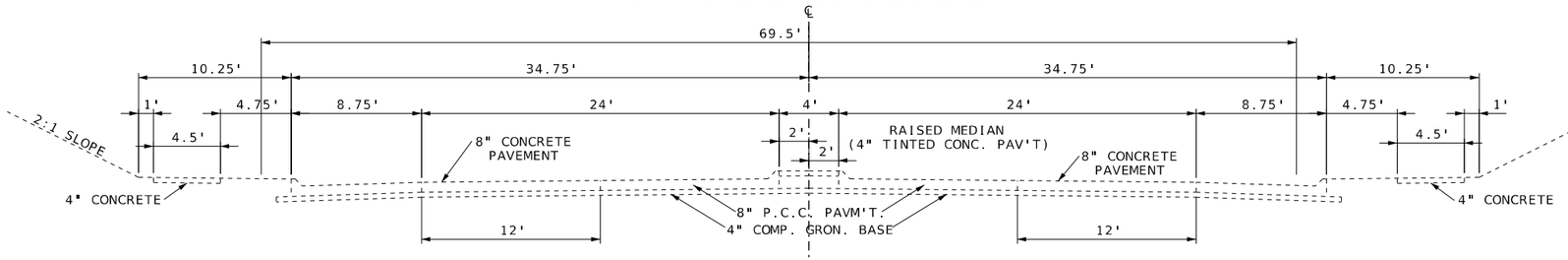
DESCRIPTION | DATE

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

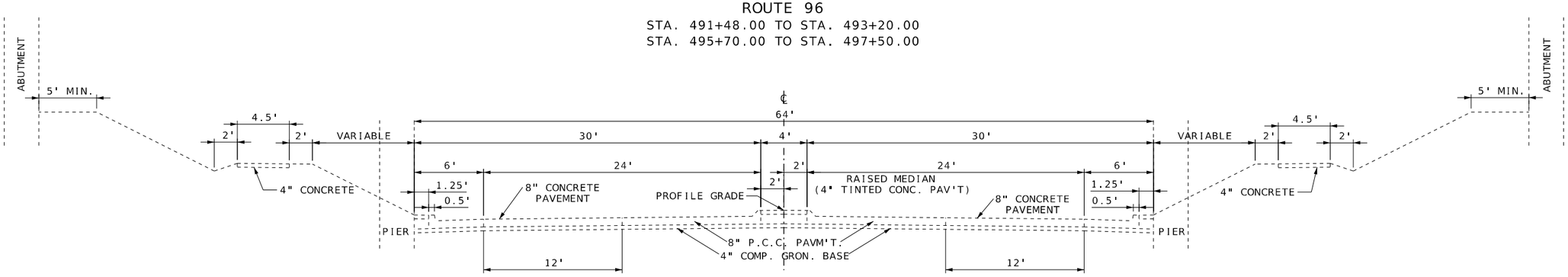
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



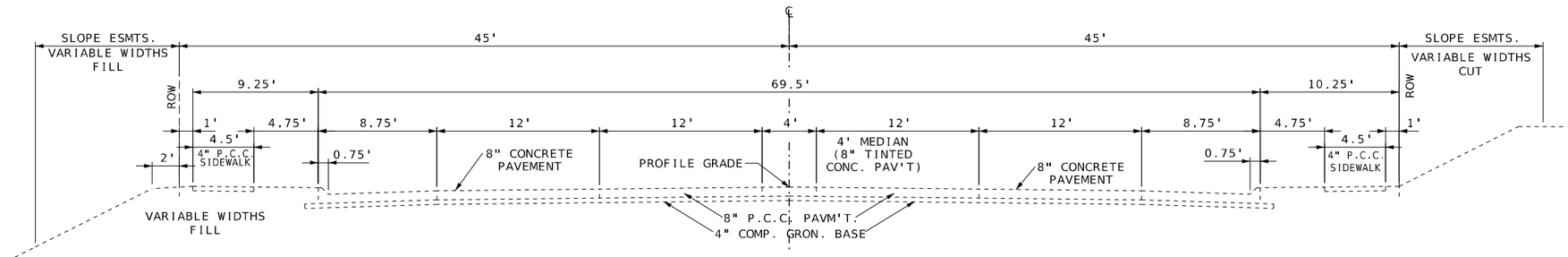
EXISTING SECTION
ROUTE 96
STA. 487+73.50 TO STA. 491+48.00
STA. 497+52.00 TO STA. 502+26.50



EXISTING SECTION
ROUTE 96
STA. 491+48.00 TO STA. 493+20.00
STA. 495+70.00 TO STA. 497+50.00



EXISTING SECTION
ROUTE 96
STA. 494+25.20 TO STA. 494+58.20



TYPICAL SECTION
ROUTE 96
STA. 502+26.50 TO STA. 507+25.30

EXISTING TYPICAL
SECTION SHEET
SHEET 3 OF 12

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

DATE PREPARED
8/10/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

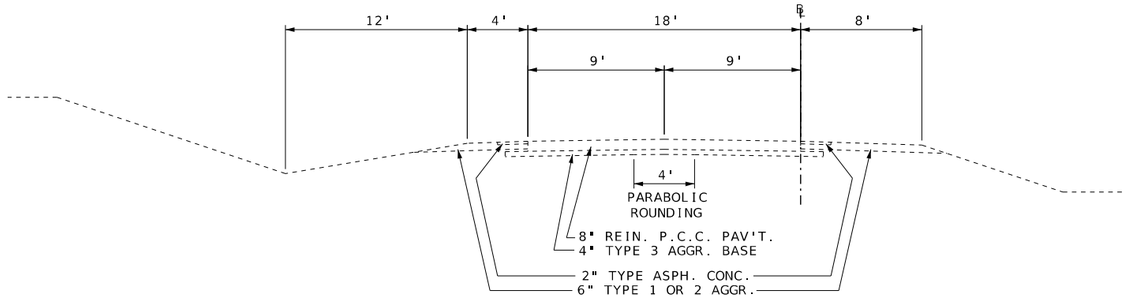
PROJECT NO.
-

BRIDGE NO.
-

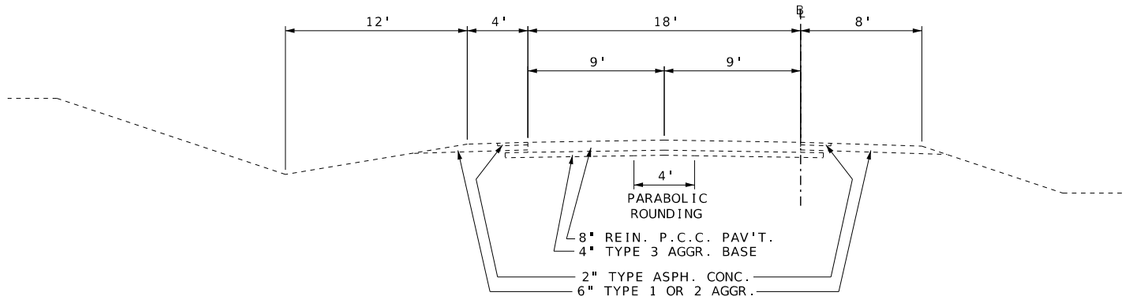
DESCRIPTION	DATE

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.



EXISTING SECTION
RAMPS I49 NB ON RAMP & I49 SB OFF RAMP
ROUTE 96 INTERCHANGE



EXISTING SECTION
RAMPS I49 NB OFF RAMP & I49 SB ON RAMP
ROUTE 96 INTERCHANGE

EXISTING TYPICAL
SECTION SHEET
SHEET 4 OF 12

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

DATE PREPARED
8/10/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

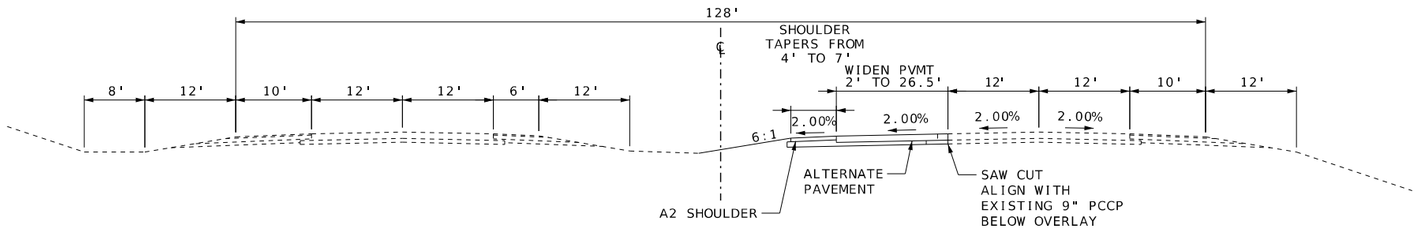
PROJECT NO.
-

BRIDGE NO.
-

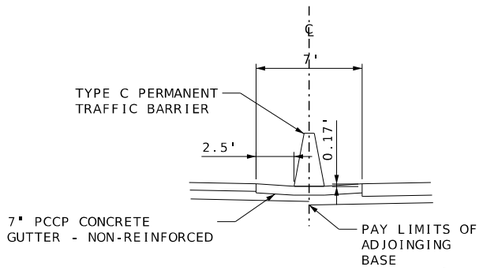
DESCRIPTION	DATE

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

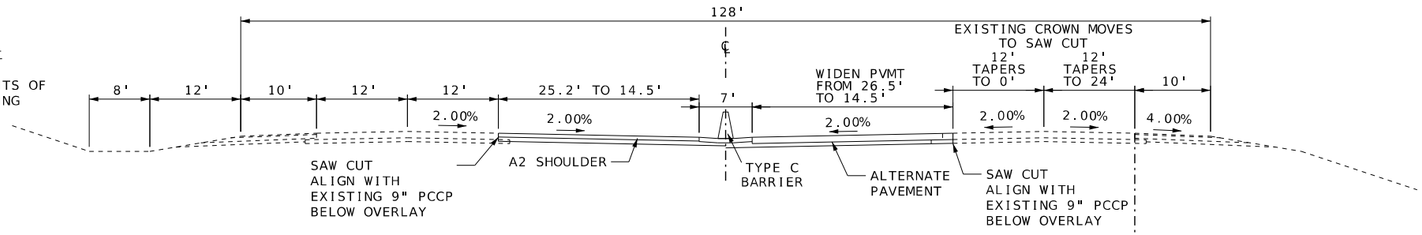
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



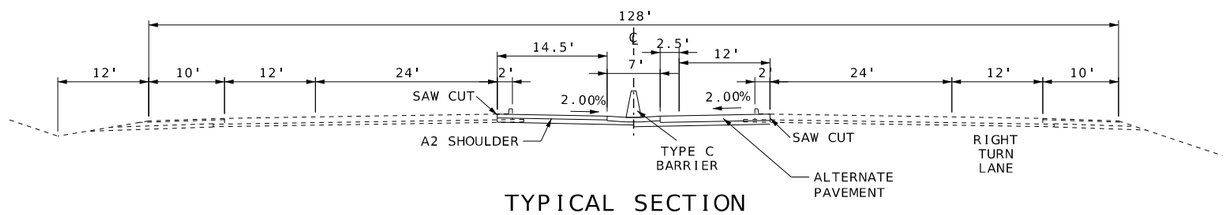
TYPICAL SECTION
ROUTE 96/171
STA. 449+93.50 TO STA. 453+61.00



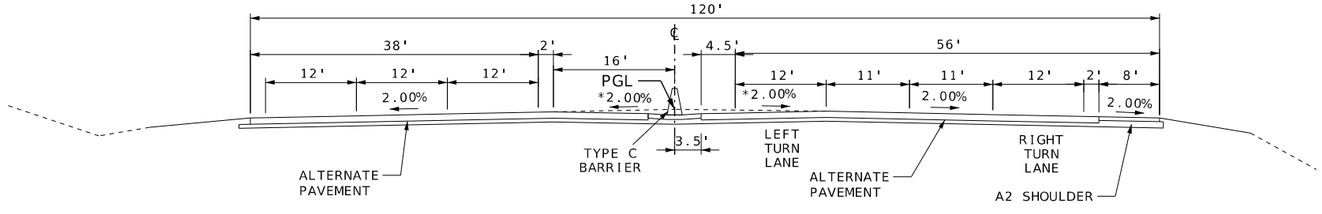
TYPE C BARRIER AND GUTTER IN MEDIAN



TYPICAL SECTION
ROUTE 96/171
STA. 453+61.00 TO STA. 456+06.00



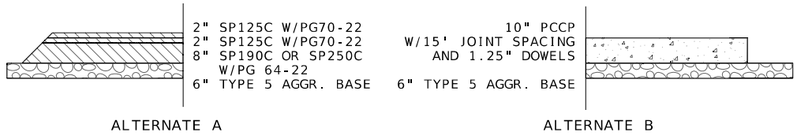
TYPICAL SECTION
ROUTE 96/171
STA. 456+06.00 TO STA. 458+50.00



*SLOPE TRANISITION TO +2.00% BETWEEN 459+00.00 AND 459+80.00 GUTTER SLOPE MATCHES CROSS SLOPE AT 459+50.00

TYPICAL SECTION
ROUTE 96/171
STA. 458+50.00 TO STA. 459+80.00

ROUTE 96/171 ALTERNATE PAVEMENT DESIGN



** SHOULDERS 4' OR LESS IN WIDTH SHALL BE FULL DEPTH PAVEMENT AS PART OF THE TRAVELWAY

PROPOSED TYPICAL SECTION SHEET
SHEET 5 OF 12

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

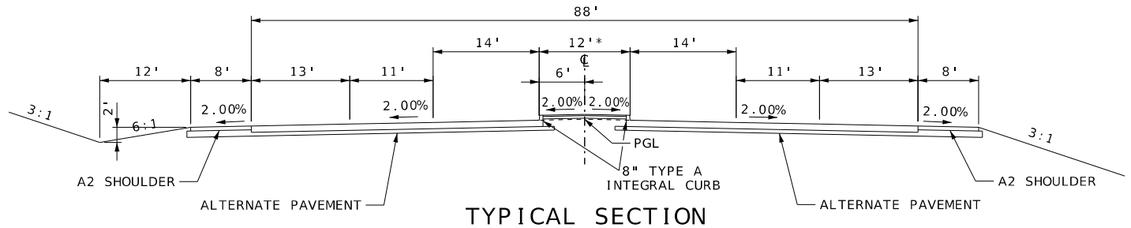
DATE PREPARED	
9/29/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION	DATE

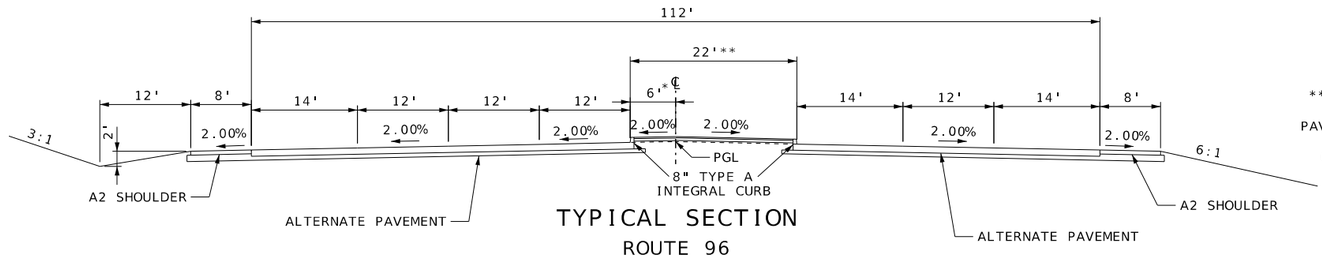
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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



TYPICAL SECTION
ROUTE 96
STA. 459+80.00 TO STA. 464+37.50

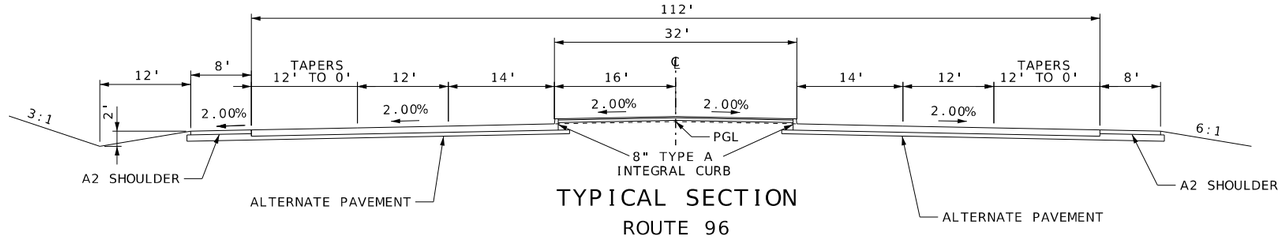
*STA 459+80.00 TO STA 460+75.00 AND STA 463+85.00 TO 464+37.50 REPLACE RAISED MEDIAN WITH PAVEMENT MATCHING ADJOINING LANES, USE CONCRETE MEDIAN STRIP TO COMPLETE MEDIAN RADIUS, AND REPLACE A2 SHOULDER WITH RAMP PAVEMENT THRU INTERSECTION



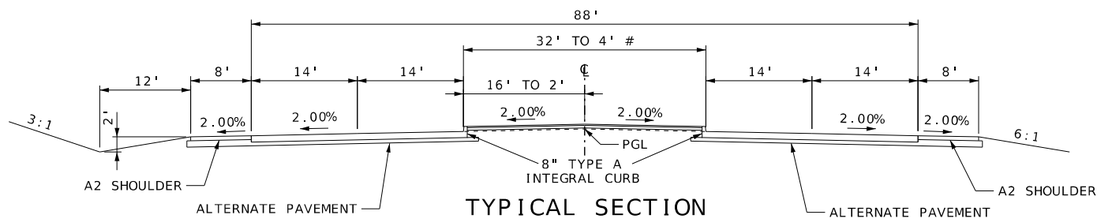
TYPICAL SECTION
ROUTE 96
STA. 464+37.50 TO STA. 466+27.00

STA. 466+27.00 TO STA. 467+27.00
* WIDENS FROM 6' TO 16'

**STA 464+37.50 TO STA 465+05.00 REPLACE RAISED MEDIAN WITH PAVEMENT MATCHING ADJOINING LANES, USE CONCRETE MEDIAN STRIP TO COMPLETE RAISED MEDIAN RADIUS AND REPLACE A2 SHOULDER WITH RAMP PAVEMENT THRU INTERSECTION



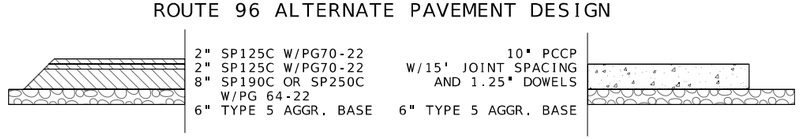
TYPICAL SECTION
ROUTE 96
STA. 467+27.00 TO STA. 470+00.00



TYPICAL SECTION
ROUTE 96
STA. 470+00.00 TO STA. 472+81.95

#STA 472+00.00 TO STA 472+81.95 REPLACE RAISED MEDIAN WITH PAVEMENT MATCHING ADJOINING LANES, USE CONCRETE MEDIAN STRIP TO COMPLETE RAISED MEDIAN RADIUS

ROUTE 96 ALTERNATE PAVEMENT DESIGN



*** SHOULDERS 4' OR LESS IN WIDTH SHALL BE FULL DEPTH PAVEMENT AS PART OF THE TRAVELWAY

PROPOSED TYPICAL SECTION SHEET
SHEET 6 OF 12

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

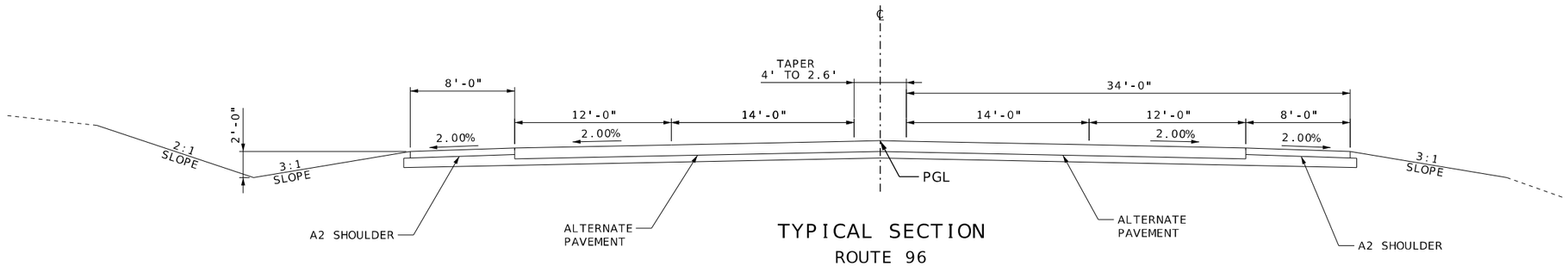
DATE PREPARED	
9/29/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: JASPER
JOB NO.: JSR0060
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.

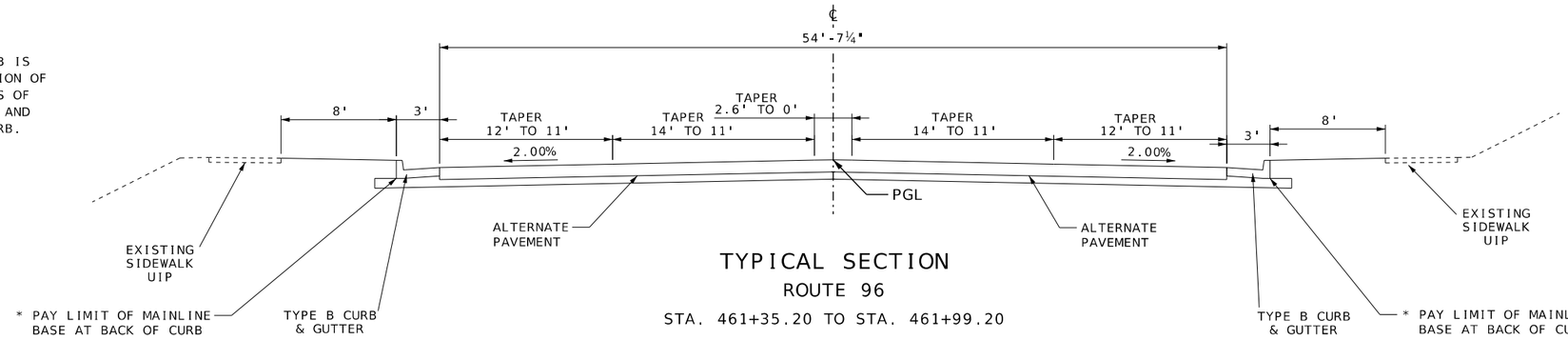


TYPICAL SECTION
ROUTE 96

STA. 472+81.95 TO STA. 473+35.67.00

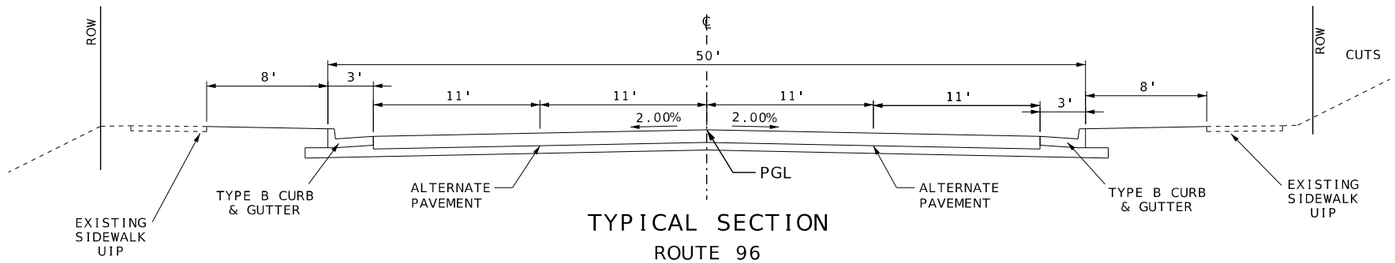
EQ: STA. 473+35.67 BK = STA. 461+35.20 AH
STA. 461+35.20 AHEAD TO 507+00 — USE CONSTRUCTION BASELINE

* AGGREGATE BASE BEHIND CURB IS INCIDENTAL TO THE CONSTRUCTION OF THE CURB AND GUTTER. LIMITS OF PAYMENT FOR BASE UNDER CURB AND GUTTER IS AT THE BACK OF CURB.



TYPICAL SECTION
ROUTE 96

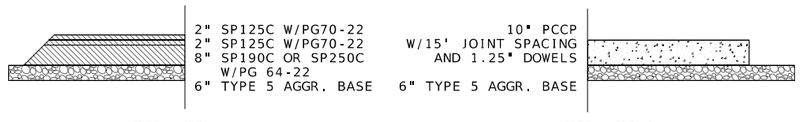
STA. 461+35.20 TO STA. 461+99.20



TYPICAL SECTION
ROUTE 96

STA. 461+99.20 TO STA. 465+00.00

ROUTE 96 ALTERNATE PAVEMENT DESIGN



ALTERNATE A ALTERNATE B

** SHOULDERS 4' OR LESS IN WIDTH SHALL BE FULL DEPTH PAVEMENT AS PART OF THE TRAVELWAY

PROPOSED TYPICAL
SECTION SHEET
SHEET 7 OF 12

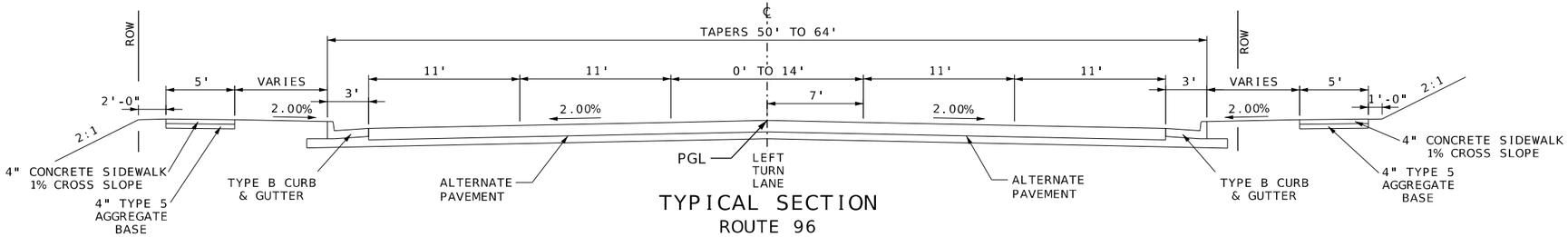
STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 9/29/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 2
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. -

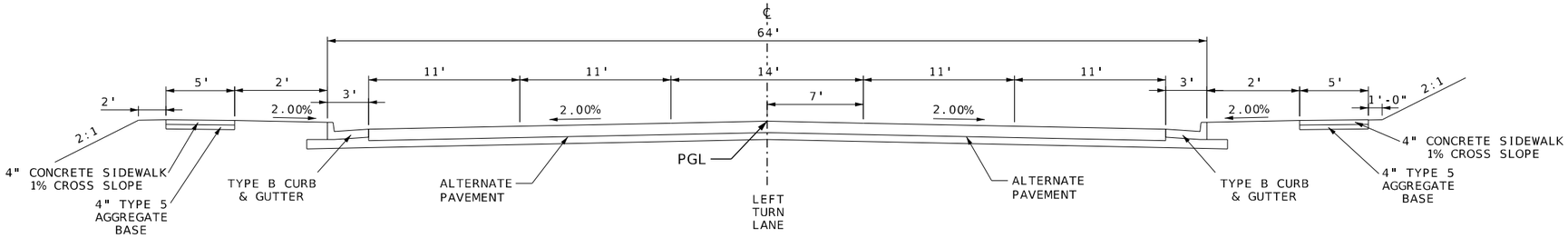
DESCRIPTION | DATE

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

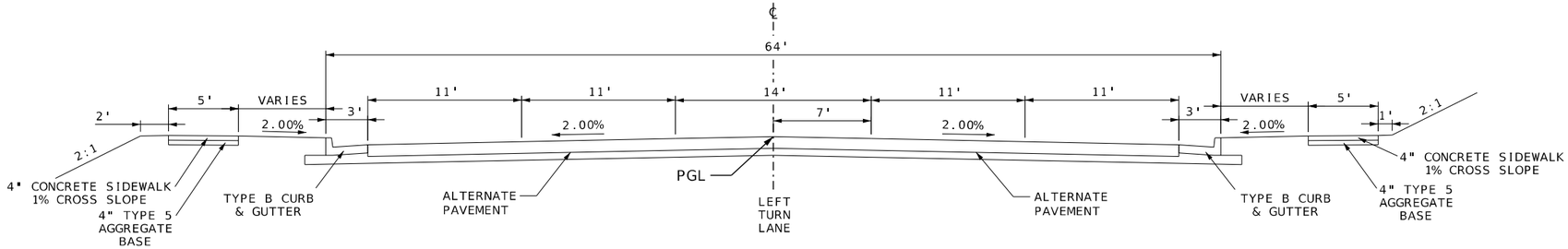
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



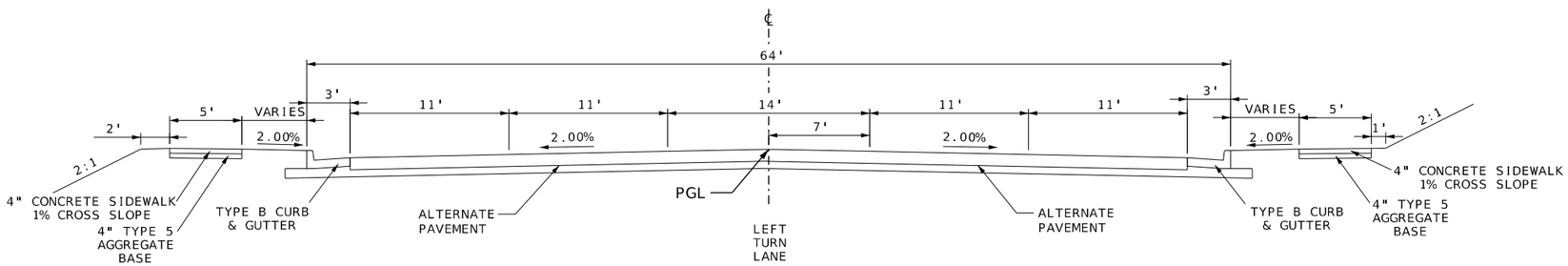
TYPICAL SECTION
ROUTE 96
STA. 465+00.00 TO STA. 466+00.00



TYPICAL SECTION
ROUTE 96
STA. 466+00.00 TO STA. 467+96.00
TO BAKER

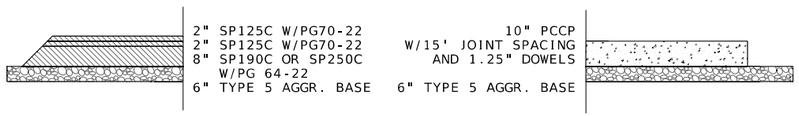


TYPICAL SECTION
ROUTE 96
STA. 467+96.00 TO STA. 481+20.70
FROM BAKER ST. TO FRANCIS ST.



TYPICAL SECTION
ROUTE 96
STA. 481+20.70 TO STA. 489+80.00
FROM FRANCIS ST. TO START OF TWLTW TAPER

ROUTE 96 ALTERNATE PAVEMENT DESIGN



ALTERNATE A ALTERNATE B

PROPOSED TYPICAL
SECTION SHEET
SHEET 8 OF 12

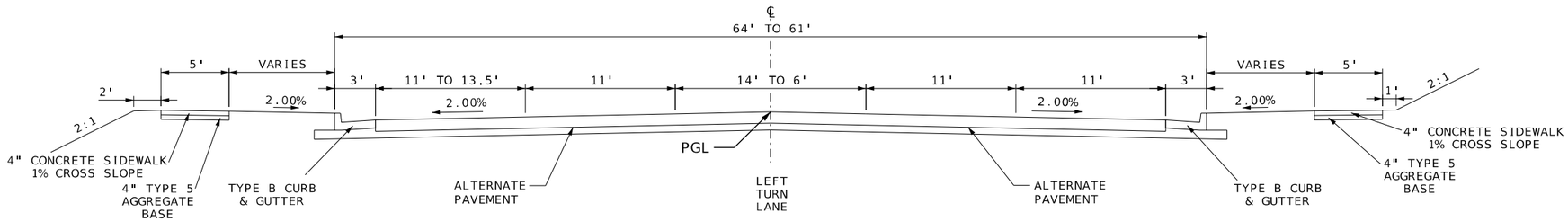
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/10/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	2
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

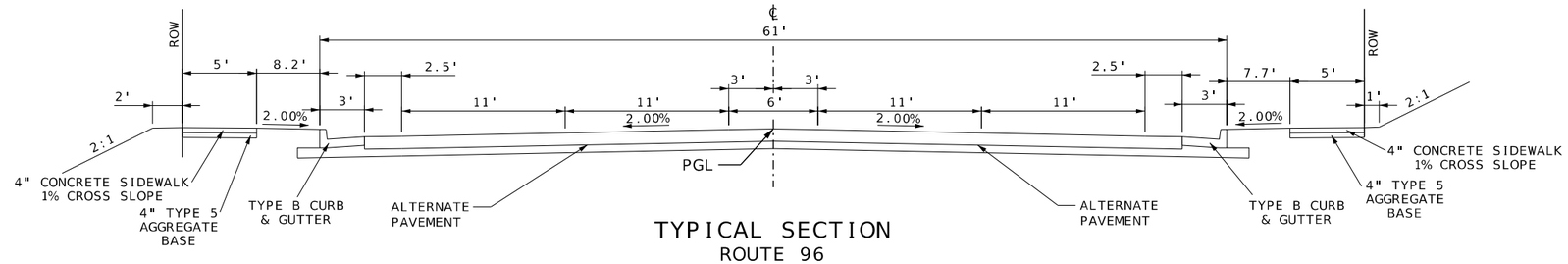
DESCRIPTION | DATE

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

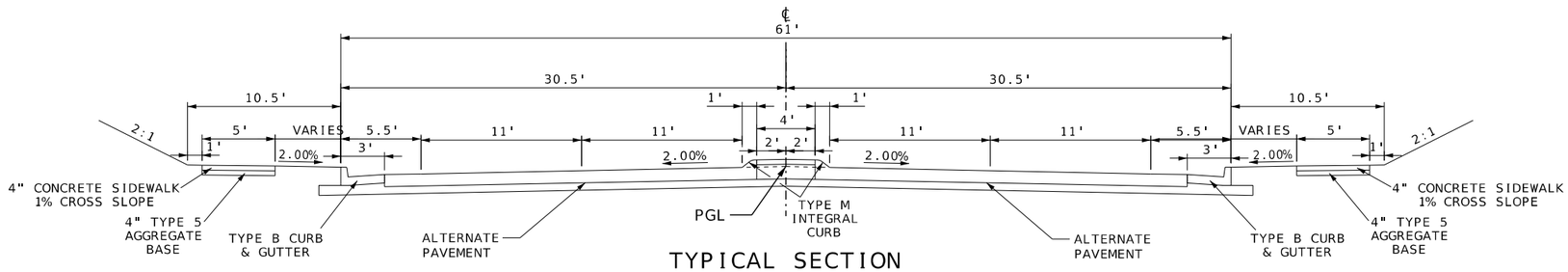
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



TYPICAL SECTION
ROUTE 96
STA. 489+80.00 TO STA. 490+55.00

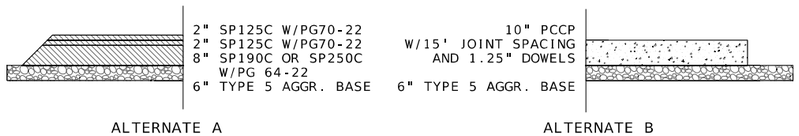


TYPICAL SECTION
ROUTE 96
STA. 490+55.00 TO STA. 491+40.00



TYPICAL SECTION
ROUTE 96
STA. 491+40.00 TO STA. 497+50.00

ROUTE 96 ALTERNATE PAVEMENT DESIGN



PROPOSED TYPICAL
SECTION SHEET
SHEET 9 OF 12

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

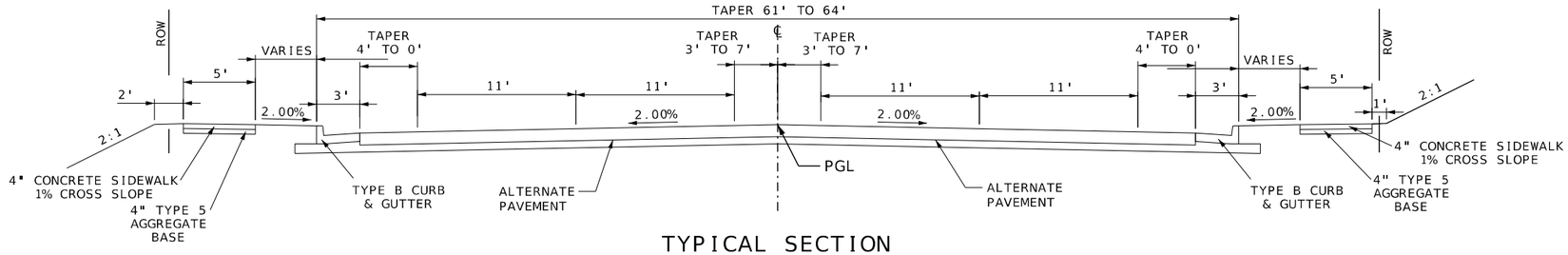
PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION | DATE

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

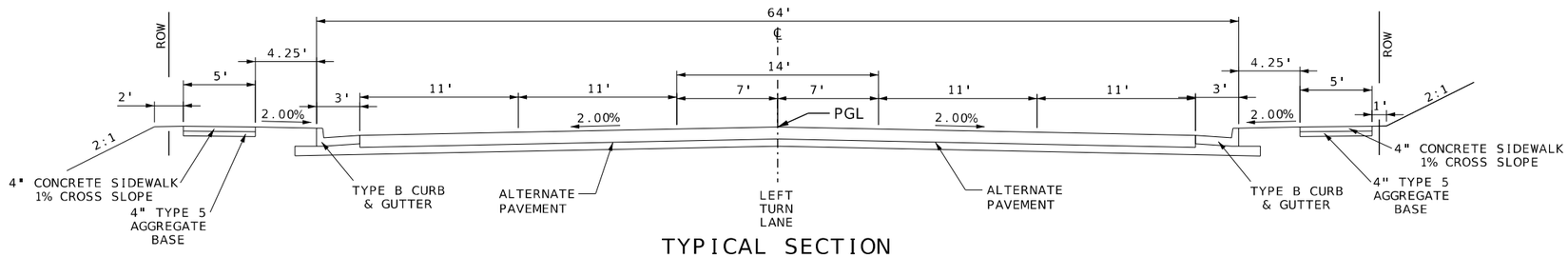
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



TYPICAL SECTION

ROUTE 96

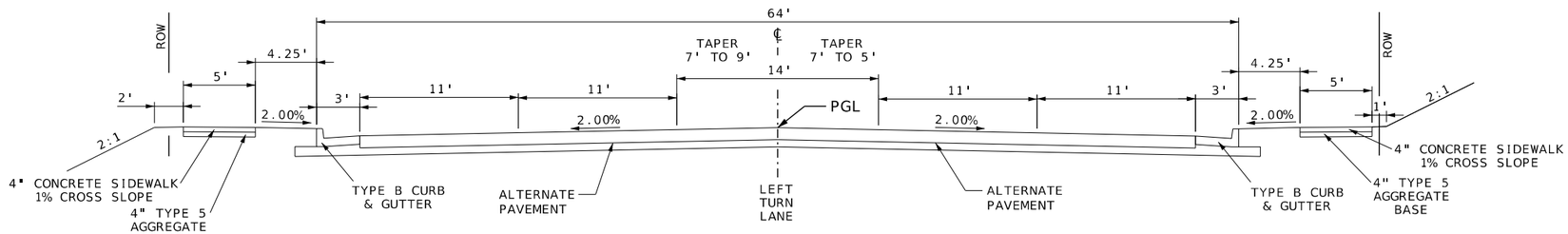
STA. 497+50.00 TO STA. 498+25.00



TYPICAL SECTION

ROUTE 96

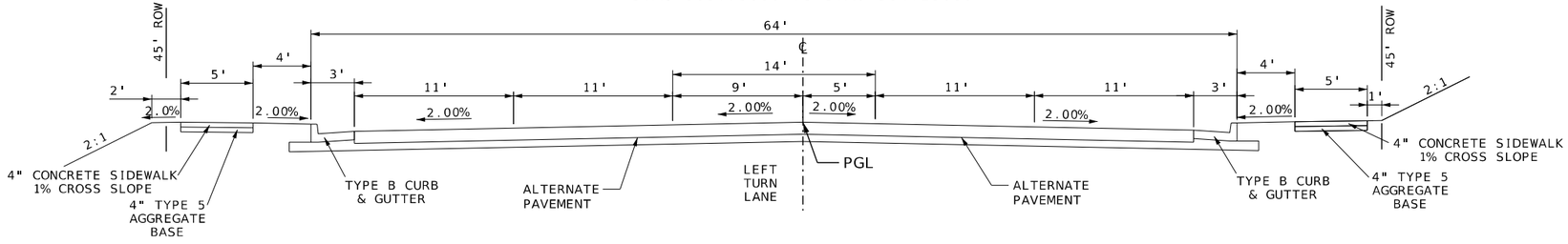
STA. 498+25.00 TO STA. 503+73.00



TYPICAL SECTION

ROUTE 96

STA. 503+73.00 TO STA. 504+23.00



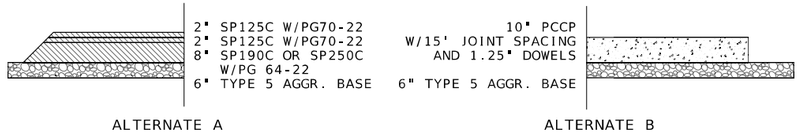
TYPICAL SECTION

ROUTE 96

STA. 504+23.00 TO STA. 0+48.49

EQ: STA 507+25.30 BK = STA 0+00.00 AH

ROUTE 96 ALTERNATE PAVEMENT DESIGN



PROPOSED TYPICAL SECTION SHEET SHEET 10 OF 12

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

DATE PREPARED: 8/10/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY: JASPER

JOB NO.: JSR0060

CONTRACT ID.: -

PROJECT NO.: -

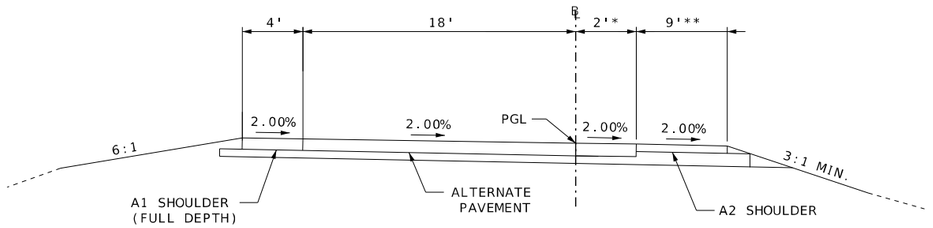
BRIDGE NO.: -

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

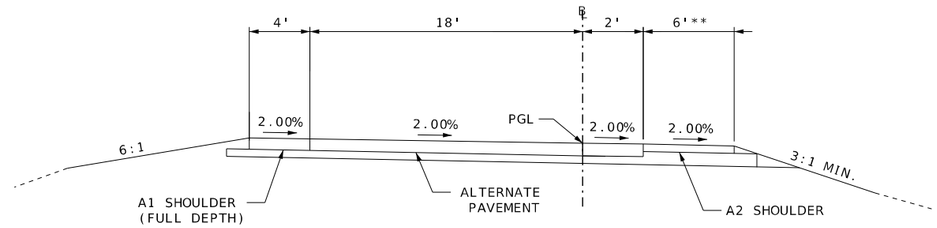
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



PROPOSED SECTION
I49 SOUTHBOUND OFF RAMP
CENTRAL STREET INTERCHANGE

RAMP 2 - STA. 6+60.00 TO STA. 11+05.52

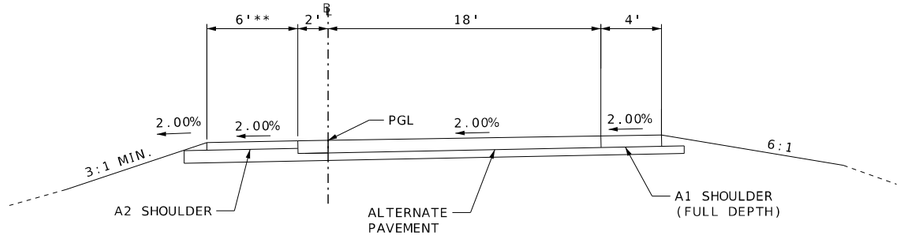
** STA. 7+15.00 TO STA. 8+15.00, TRANSITION FROM 9' TO 6'
** STA. 8+15.00 TO STA. 9+09.75, 6' SHOULDER
** STA. 9+09.75 TO STA. 9+81.35, 5' SHOULDER
* STA. 7+15.00 TO STA. 8+15.00, TRANSITION FROM 2' TO 8'
* STA. 8+15.00 TO STA. 9+09.75, 8' WIDTH
* STA. 9+09.75 TO STA. 9+81.35, TRANSITION FROM 8' TO 14'



PROPOSED SECTION
I49 SOUTHBOUND ON RAMP
CENTRAL STREET INTERCHANGE

RAMP 4 - STA. 0+44.55 TO STA. 7+75.00

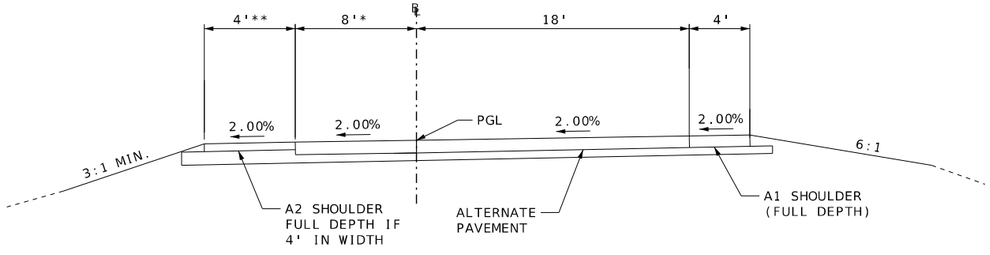
** STA. 1+48.62 TO STA. 1+88.62, TRANSITION FROM 9' TO 6'



PROPOSED SECTION
I49 NORTHBOUND ON RAMP
CENTRAL STREET INTERCHANGE

RAMP 1 - STA. 4+75.00 TO STA. 10+78.72

** STA. 9+45.46 TO STA. 9+85.46, TRANSITION FROM 6' TO 8'

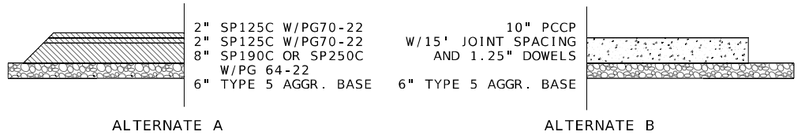


PROPOSED SECTION
I49 NORTHBOUND OFF RAMP
CENTRAL STREET INTERCHANGE

RAMP 3 - STA. 0+44.82 TO STA. 8+00.00

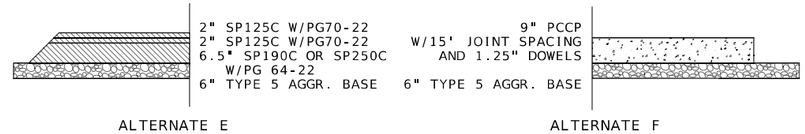
** STA. 4+30.00 TO STA. 5+30.00, TRANSITION FROM 4' TO 6'
** STA. 5+30.00 TO STA. 8+00.00, 6' WIDTH
* STA. 1+60.90 TO STA. 2+32.78, TRANSITION FROM 13' TO 8'
* STA. 4+30.00 TO STA. 5+30.00, TRANSITION FROM 8' TO 2'
* STA. 5+30.00 TO STA. 8+00.00, 2' WIDTH

I-49 RAMPS NORTH OF 96 ALTERNATE PAVEMENT DESIGN



*** SHOULDERS 4' OR LESS IN WIDTH SHALL BE FULL DEPTH PAVEMENT AS PART OF THE TRAVELWAY

I-49 RAMPS SOUTH OF 96 ALTERNATE PAVEMENT DESIGN



*** SHOULDERS 4' OR LESS IN WIDTH SHALL BE FULL DEPTH PAVEMENT AS PART OF THE TRAVELWAY

PROPOSED TYPICAL
SECTION SHEET
SHEET 11 OF 12

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

DATE PREPARED
10/4/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

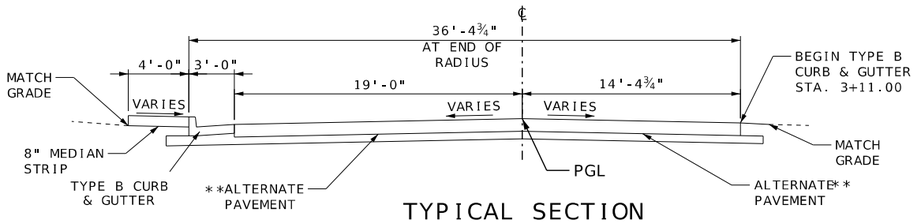
PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

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

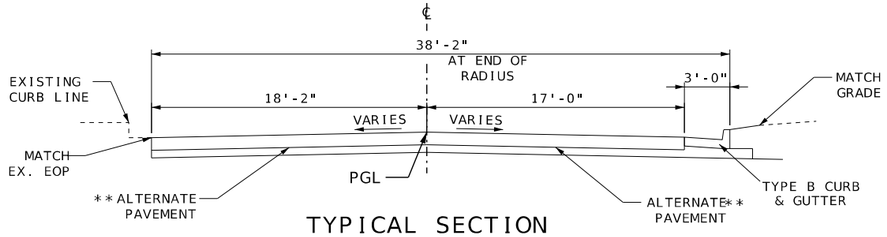
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



TYPICAL SECTION

N. BAKER ST.

STA. 2+90.32 ON TO STA. 3+29.26

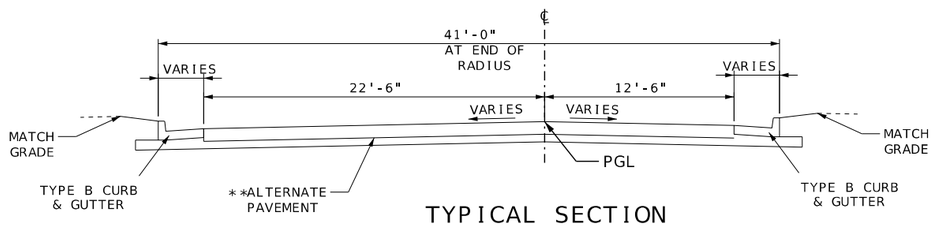


TYPICAL SECTION

S. BAKER ST.

STA. 3+87.28 ON TO STA. 4+47.56

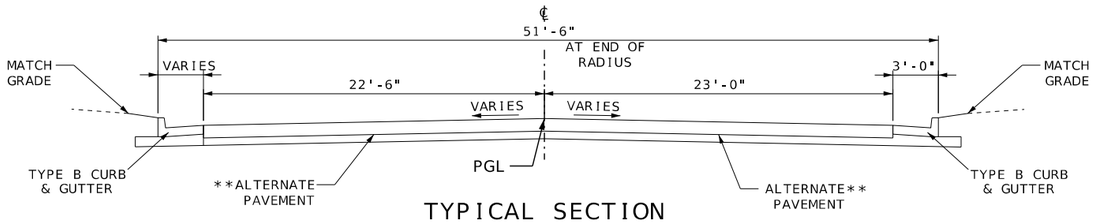
** WHERE THERE IS A PEDESTRIAN PATH, USE FULL DEPTH CONCRETE TO THE FURTHEST RADIUS POINT. ALTERNATE PAVEMENT PAST THE RADIUS POINT.



TYPICAL SECTION

N. FRANCIS ST.

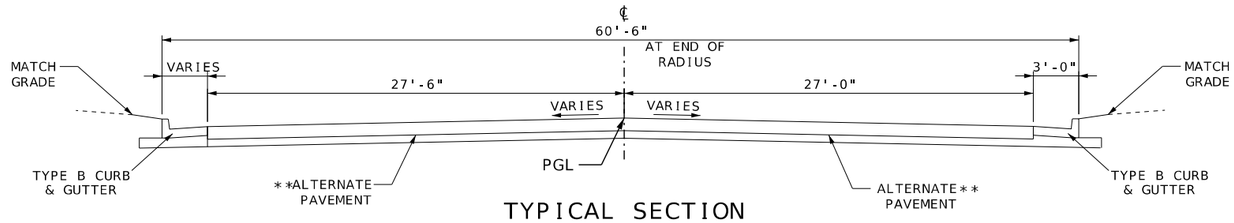
STA. 2+03.00 ON TO STA. 3+16.68



TYPICAL SECTION

GARRISON ST.

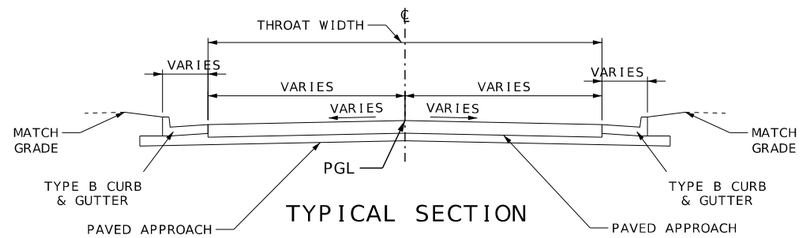
STA. 1731+67.00 TO STA. 1731+94.60
STA. 1732+52.60 TO STA. 1733+08.00



TYPICAL SECTION

N. MCGREGOR ST.

STA. 3+80.00 TO STA. 4+71.00

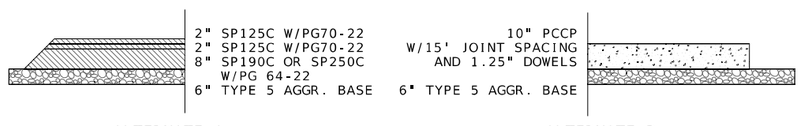


TYPICAL SECTION

* WHERE THERE IS A PEDESTRIAN PATH, USE 8" CONCRETE TO THE RADIUS POINT. ALTERNATE PAVEMENT PAST THE FURTHEST RADIUS POINT.

N. FLORENCE ST.	STA. 4+48.00	TO STA. 4+71.02	THROAT: 28.3'
S. FLORENCE ST.	STA. 5+29.01	TO STA. 5+59.00	THROAT: 25.5'
S. CENTER ST.	STA. 5+29.01	TO STA. 5+66.00	THROAT: 36.0'
S. FRANCIS ST.	STA. 3+74.68	TO STA. 3+99.39	THROAT: 36.3'
N. BLANCHE ST.	STA. 4+49.50	TO STA. 4+70.96	THROAT: 26.0'
S. BLANCHE ST.	STA. 5+29.00	TO STA. 5+60.00	THROAT: 26.0'
S. MCGREGOR ST.	STA. 5+29.00	TO STA. 5+51.00	THROAT: 52.0'

** ALTERNATE PAVEMENT DESIGN



PROPOSED TYPICAL SECTION SHEET
SHEET 12 OF 12

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

DATE PREPARED	8/10/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	2
COUNTY	JASPER
JOB NO.	JSR0060
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.

REMOVAL OF IMPROVEMENTS

RTE.	STA	STA.	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
96	461+71.18	461+99.96	RT	EXIST. ENTRANCE	32.2	SY	
96	462+46.88	462+69.20	RT	EXIST. ENTRANCE	24.0	SY	
96	463+00.75	463+29.13	LT	EXIST. ENTRANCE	34.3	SY	
96	463+11.63	463+42.03	RT	EXIST. ENTRANCE	33.5	SY	
96	463+75.77	464+06.18	RT	EXIST. ENTRANCE	33.7	SY	
96	463+83.02	464+11.45	LT	EXIST. ENTRANCE	32.4	SY	
96	464+43.41	464+71.51	LT	EXIST. ENTRANCE	40.6	SY	
96	464+66.50	465+18.51	LT	EXIST. SIDEWALK	24.8	SY	
96	464+82.80	465+05.72	RT	EXIST. ENTRANCE	28.8	SY	
96	465+00.30	465+10.72	RT	EXIST. SIDEWALK	4.8	SY	
96	465+05.51	465+28.81	RT	EXIST. ENTRANCE	26.3	SY	
96	465+13.55	465+42.30	LT	EXIST. ENTRANCE	34.9	SY	
96	465+22.72	467+61.12	RT	EXIST. SIDEWALK	112.8	SY	
96	465+36.71	466+19.69	LT	EXIST. SIDEWALK	39.7	SY	
96	466+15.71	466+41.82	LT	EXIST. ENTRANCE	50.5	SY	
96	466+35.89	466+65.24	RT	EXIST. ENTRANCE	4.9	SY	
96	466+37.81	466+90.59	LT	EXIST. SIDEWALK	25.3	SY	
96	466+87.10	467+03.43	LT	EXIST. ENTRANCE	22.4	SY	
96	466+99.49	467+25.45	RT	EXIST. ENTRANCE	5.0	SY	
96	466+99.60	467+75.87	LT	EXIST. SIDEWALK	35.4	SY	
96	468+18.68	468+67.03	RT	EXIST. SIDEWALK	20.5	SY	
96	468+31.11	469+34.20	LT	EXIST. SIDEWALK	28.7	SY	
96	468+39.61	468+98.68	LT	EXIST. ENTRANCE	25.6	SY	
96	468+41.26	468+94.09	RT	EXIST. ENTRANCE	50.8	SY	
96	468+86.50	469+44.98	RT	EXIST. SIDEWALK	23.4	SY	
96	469+28.19	469+98.58	LT	EXIST. ENTRANCE	104.7	SY	
96	469+34.18	469+98.34	RT	EXIST. ENTRANCE	60.6	SY	
96	469+65.39	470+20.54	RT	EXIST. SIDEWALK	22.9	SY	
96	469+93.20	470+33.43	LT	EXIST. SIDEWALK	19.1	SY	
96	470+05.53	470+74.50	RT	EXIST. ENTRANCE	84.3	SY	
96	470+27.41	470+68.17	LT	EXIST. ENTRANCE	55.1	SY	
96	470+56.04	471+20.45	RT	EXIST. SIDEWALK	30.1	SY	
96	470+63.06	470+73.31	LT	EXIST. SIDEWALK	4.8	SY	
96	470+68.17	471+29.32	LT	EXIST. ENTRANCE	90.2	SY	
96	471+14.46	471+37.74	RT	EXIST. ENTRANCE	24.5	SY	
96	471+23.73	471+53.15	LT	EXIST. SIDEWALK	14.3	SY	
96	471+31.77	472+17.08	RT	EXIST. SIDEWALK	40.6	SY	
96	471+46.99	471+94.32	LT	EXIST. ENTRANCE	84.2	SY	
96	471+88.15	472+17.48	LT	EXIST. SIDEWALK	13.4	SY	
96	472+49.92	472+75.10	RT	EXIST. SIDEWALK	11.5	SY	
96	472+56.52	473+19.57	LT	EXIST. SIDEWALK	29.6	SY	
96	472+70.48	473+10.12	RT	EXIST. ENTRANCE	68.6	SY	
96	473+04.09	473+43.66	RT	EXIST. SIDEWALK	19.1	SY	
96	473+13.26	473+59.30	LT	EXIST. ENTRANCE	62.8	SY	
96	473+38.62	473+78.06	RT	EXIST. ENTRANCE	70.0	SY	
96	473+52.97	473+71.96	LT	EXIST. SIDEWALK	9.1	SY	
96	473+65.94	474+22.86	LT	EXIST. ENTRANCE	81.7	SY	
96	473+73.10	473+94.93	RT	EXIST. SIDEWALK	10.5	SY	
96	473+88.22	474+35.15	RT	EXIST. ENTRANCE	62.0	SY	
96	474+16.87	474+82.49	LT	EXIST. SIDEWALK	31.5	SY	
96	474+28.42	476+14.40	RT	EXIST. SIDEWALK	88.4	SY	
96	474+76.69	475+21.64	LT	EXIST. ENTRANCE	61.8	SY	
96	475+15.11	475+96.42	LT	EXIST. SIDEWALK	38.7	SY	
96	475+90.44	476+38.82	LT	EXIST. ENTRANCE	65.9	SY	
96	476+31.17	477+50.87	LT	EXIST. SIDEWALK	57.3	SY	
96	476+58.04	476+95.94	RT	EXIST. SIDEWALK	17.7	SY	
96	476+90.61	477+63.01	RT	EXIST. ENTRANCE	140.5	SY	
96	477+44.92	477+86.89	LT	EXIST. ENTRANCE	56.7	SY	
96	477+56.99	479+57.53	RT	EXIST. SIDEWALK	96.0	SY	
96	477+80.87	478+21.84	LT	EXIST. SIDEWALK	19.6	SY	
96	478+15.85	478+63.73	LT	EXIST. ENTRANCE	62.9	SY	
96	478+53.60	479+01.17	LT	EXIST. SIDEWALK	22.9	SY	
96	478+94.54	479+47.35	LT	EXIST. ENTRANCE	72.0	SY	
96	479+38.10	480+34.23	LT	EXIST. SIDEWALK	45.9	SY	
96	479+51.50	479+78.97	RT	EXIST. ENTRANCE	37.0	SY	
96	479+72.03	479+85.93	RT	EXIST. SIDEWALK	6.7	SY	
96	479+78.97	480+31.42	RT	EXIST. ENTRANCE	92.7	SY	
96	480+25.39	480+89.98	RT	EXIST. SIDEWALK	30.6	SY	
96	480+27.51	480+65.40	LT	EXIST. ENTRANCE	49.7	SY	
96	480+40.33	480+72.34	RT	EXIST. ENTRANCE	20.0	SY	
96	480+59.22	480+72.31	LT	EXIST. ENTRANCE	9.4	SY	
96	480+59.23	480+88.40	LT	EXIST. SIDEWALK	11.5	SY	
				SUB TOTAL 1	3004	SY	

REMOVAL OF IMPROVEMENTS

RTE.	STA	STA.	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
96	481+42.69	482+24.94	RT	EXIST. SIDEWALK	38.7	SY	
96	481+58.20	482+06.74	RT	EXIST. ENTRANCE	22.2	SY	
96	481+70.70	482+86.56	LT	EXIST. SIDEWALK	54.9	SY	
96	482+18.99	482+70.40	RT	EXIST. ENTRANCE	91.7	SY	
96	482+64.39	482+84.91	RT	EXIST. SIDEWALK	10.0	SY	
96	482+78.95	483+30.40	RT	EXIST. ENTRANCE	91.7	SY	
96	482+79.56	483+06.77	LT	EXIST. ENTRANCE	33.4	SY	
96	483+02.76	483+10.76	LT	EXIST. SIDEWALK	3.8	SY	
96	483+06.77	483+75.56	LT	EXIST. ENTRANCE	89.1	SY	
96	483+24.45	487+56.14	RT	EXIST. SIDEWALK	156.7	SY	
96	483+47.91	485+10.40	LT	EXIST. SIDEWALK	76.9	SY	
96	484+27.62	484+32.04	RT	EXIST. SIDEWALK	1.7	SY	
96	485+03.38	485+76.08	LT	EXIST. ENTRANCE	109.5	SY	
96	485+12.75	485+16.57	RT	EXIST. SIDEWALK	1.8	SY	
96	485+69.11	487+57.11	LT	EXIST. SIDEWALK	97.5	SY	
96	485+94.15	486+08.94	RT	EXIST. SIDEWALK	4.7	SY	
96	485+96.02	486+07.81	LT	EXIST. SIDEWALK	6.4	SY	
96	486+46.09	486+83.61	RT	EXIST. ENTRANCE	46.4	SY	
96	486+77.59	487+56.31	RT	EXIST. SIDEWALK	43.5	SY	
96	486+94.78	487+36.54	RT	EXIST. ENTRANCE	15.9	SY	
96	487+90.09	499+37.40	LT	EXIST. SIDEWALK	548.0	SY	
96	487+90.27	497+97.31	RT	EXIST. SIDEWALK	480.6	SY	
96	488+48.18	488+53.11	LT	EXIST. SIDEWALK	1.8	SY	
96	489+23.59	489+28.59	LT	EXIST. SIDEWALK	2.5	SY	
96	489+72.33	489+76.69	LT	EXIST. SIDEWALK	2.1	SY	
96	489+79.95	490+05.58	LT	EXIST. SIDEWALK	9.4	SY	
96	490+40.54	490+45.07	RT	EXIST. SIDEWALK	1.6	SY	
96	491+36.77	491+46.39	LT	EXIST. SIDEWALK	4.1	SY	
96	497+91.56	498+29.32	RT	EXIST. ENTRANCE	64.1	SY	
96	498+23.34	500+09.29	RT	EXIST. SIDEWALK	88.9	SY	
96	499+31.42	500+01.22	LT	EXIST. ENTRANCE	100.9	SY	
96	499+95.19	501+93.23	LT	EXIST. SIDEWALK	102.2	SY	
96	500+03.22	500+44.12	RT	EXIST. ENTRANCE	72.2	SY	
96	500+33.98	500+57.33	LT	EXIST. ENTRANCE	8.9	SY	
96	500+38.98	500+68.81	RT	EXIST. SIDEWALK	14.3	SY	
96	500+62.73	501+18.00	RT	EXIST. ENTRANCE	103.8	SY	
96	501+12.26	501+95.51	RT	EXIST. SIDEWALK	44.9	SY	
96	501+33.78	501+87.65	RT	EXIST. ENTRANCE	18.8	SY	
96	502+55.56	503+14.33	RT	EXIST. SIDEWALK	33.0	SY	
96	502+57.71	504+57.60	LT	EXIST. SIDEWALK	100.8	SY	
96	503+08.34	503+32.34	RT	EXIST. ENTRANCE	25.6	SY	
96	503+26.33	504+67.98	RT	EXIST. ENTRANCE	67.8	SY	
96	504+05.25	504+30.99	RT	EXIST. ENTRANCE	9.3	SY	
96	504+53.63	505+00.92	LT	EXIST. ENTRANCE	68.3	SY	
96	504+59.00	504+96.19	RT	EXIST. ENTRANCE	46.3	SY	
96	504+87.18	505+08.49	RT	EXIST. SIDEWALK	10.0	SY	
96	504+90.92	505+73.94	LT	EXIST. SIDEWALK	39.7	SY	
96	505+02.50	505+46.39	RT	EXIST. ENTRANCE	66.2	SY	
96	505+40.37	505+68.39	RT	EXIST. SIDEWALK	13.4	SY	
96	505+61.40	506+19.00	RT	EXIST. ENTRANCE	89.6	SY	
96	505+69.26	505+97.04	LT	EXIST. ENTRANCE	28.6	SY	
96	505+91.92	506+02.17	LT	EXIST. SIDEWALK	4.8	SY	
96	505+97.04	506+39.90	LT	EXIST. ENTRANCE	48.5	SY	
96	506+11.99	506+94.80	RT	EXIST. SIDEWALK	44.4	SY	
96	506+34.69	506+95.49	LT	EXIST. SIDEWALK	36.8	SY	
96	0+23.21	0+53.33	LT	EXIST. SIDEWALK	18.2	SY	
96	0+27.00	0+55.30	RT	EXIST. SIDEWALK	20.5	SY	
				TOTAL	1 LUMP SUM		

SUMMARY OF QUANTITIES
SHEET 1 OF 3

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

CONCRETE MEDIAN

ROUTE	STA.	STA.	LOCATION	CONCRETE MEDIAN 8 IN.	TYPE 1 AGG FOR BASE (4 IN. THICK)	REMARKS
				SY	SY	
96	467+56.57	467+70.12	LT	2.4	2.4	
96	468+79.88	496+52.46	RT	53.1	53.1	
96	468+94.16	469+34.18	RT	4.2	4.2	
96	480+77.80	480+84.31	RT	1.2	1.2	
96	506+75.07	506+82.18	RT	1.3	1.3	
96	506+84.39	506+92.53	LT	2.0	2.0	
96	0+30.27	0+37.19	RT	1.8	1.8	
96	467+56.57	467+70.12	LT	2.4	2.4	
96	480+78.30	480+83.95	LT	1.4	1.4	
96	483+02.76	483+10.76	LT	3.0	3.0	
96	483+02.76	483+10.76	LT	6.1	6.1	
96	506+75.14	506+92.11	LT	7.5	7.5	
96	0+25.29	0+38.58	LT	3.1	3.1	
			TOTAL	89.5	89.5	
			USE	89.5	90	

CONTRACTOR FURNISHED SURVEYING AND STAKING

TOTAL = 1 LUMP SUM

MOBILIZATION

TOTAL = 1 LUMP SUM

PAVED APPROACH

ROUTE	STA.	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	PAVED APPROACH (8 IN. THICK)	REMARKS
			SY	SY	
96	461+85.58	RT	32.2	32.2	
96	462+58.04	RT	24.0	24.0	
96	463+14.90	LT	34.3	34.3	
96	463+26.81	RT	33.5	33.5	
96	463+91.02	RT	33.7	33.7	
96	463+97.26	LT	32.4	32.4	
96	464+57.45	LT	40.6	40.6	
96	464+95.16	RT	28.8	28.8	
96	465+16.77	RT	27.2	27.2	
96	465+27.60	LT	36.0	36.0	
96	466+28.76	LT	50.5	50.5	
96	466+95.12	LT	13.5	13.5	
96	468+08.93	RT	52.8	52.8	
96	469+63.70	LT	104.7	104.7	
96	470+38.19	RT	85.6	85.6	
96	470+42.21	RT	62.5	62.5	
96	470+48.23	LT	55.1	55.1	
96	470+98.50	LT	90.3	90.3	
96	471+26.21	RT	24.7	24.7	
96	471+70.65	LT	84.2	84.2	
96	472+89.61	RT	68.6	68.6	
96	473+36.27	LT	62.8	62.8	
96	473+58.39	RT	70.0	70.0	
96	473+94.41	LT	81.7	81.7	
96	474+12.35	RT	63.1	63.1	
96	474+98.79	LT	61.8	61.8	
96	477+27.73	RT	140.5	140.5	
96	477+80.92	LT	108.1	108.1	
96	478+36.85	LT	62.2	62.2	
96	479+13.79	LT	65.9	65.9	
96	479+19.63	LT	72.0	72.0	
96	479+64.76	RT	37.0	37.0	
96	480+05.67	RT	92.7	92.7	
96	480+46.72	LT	49.3	49.3	
96	482+44.74	RT	91.7	91.7	
96	482+94.59	LT	33.4	33.4	
96	483+04.73	RT	91.7	91.7	
96	483+32.14	LT	89.1	89.1	
96	485+45.57	LT	103.0	103.0	
96	486+64.91	RT	48.8	48.8	
96	498+10.28	RT	64.1	64.1	
96	499+66.34	LT	103.1	103.1	
96	500+24.03	RT	72.2	72.2	
96	500+90.42	RT	103.8	103.8	
96	503+20.36	RT	25.6	25.6	
96	504+76.98	LT	68.1	68.1	
96	504+77.62	RT	46.6	46.6	
96	505+24.47	RT	67.1	67.1	
96	505+82.88	LT	28.6	28.6	
96	505+90.22	RT	91.6	91.6	
96	506+18.39	LT	48.5	48.5	
		TOTAL	3159.3	3159.3	
		USE	3159	3159.3	

SUMMARY OF QUANTITIES
SHEET 2 OF 3

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 10/5/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. J7S3506B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

TRUNCATED DOMES, CURB RAMP, SIDEWALK, TYPE 1 AGGREGATE, ADA LINEAR GRADING, TURF TYPE TALL FESCUE SODDING, CURBS

SHEET	STATION	STATION	LOCATION	LT RT	TRUNC. DOMES	CURB RAMP				SIDEWALK									4" TYPE 1 AGGR.	ADA LINEAR GRADING	SOD	S-CURB			REMARKS
										S.W. WIDTH	* PAY WIDTH	4" SDWLK.	4" CUT THRU	4" BUS STOP	4" PASS AREA	8" SDWLK.	8" MODIFD. SDWLK.	INTEGRAL CURB				LESS/EQ 6" (1"-6")	OVER 6" (6"-12")	MODIFIED (12"-30")	
					SF	LENGTH	WIDTH	TYPE	SY	LF	LF	SY	SY	SY	SY	SY	SY	* LF	SY	LF	SY	LF	LF	LF	
2	464+66.50	465+18.51	RTE 96	LT					0.0	0		28.9	0.0	0.0	0.0	0.0	0.0		28.9	52.1	8.7				
2	465+00.30	465+10.72	RTE 96	RT					0.0	0		5.8	0.0	0.0	0.0	0.0	0.0		5.8	10.5	1.8				
2	465+22.72	467+61.12	RTE 96	RT	23.0	26	5		10.6	5	6	127.2	0.0	0.0	0.0	0.0	0.0	45.0	137.8	269.5	48.2				
2	465+36.71	466+19.69	RTE 96	LT		10	5		5.6	5	5	40.6	0.0	0.0	0.0	0.0	0.0		46.2	98.0	19.6				
2	466+37.81	466+90.59	RTE 96	LT		10	5		11.2	5	5	18.3	0.0	0.0	0.0	0.0	0.0		29.5	67.8	14.6				
2	466+99.60	467+75.87	RTE 96	LT	26.0	32	5	3-D	13.9	5	6	27.3	0.0	0.0	0.0	0.0	0.0	31.0	41.2	113.3	22.2				
3	468+18.68	468+67.03	RTE 96	RT	10.0	12	5	1-C	6.8	5	6	24.4	0.0	0.0	0.0	0.0	0.0	85.0	31.2	65.4	14.2				
3	468+31.11	469+34.20	RTE 96	LT	21.0	16	5	1-B	8.6	5	6	50.5	0.0	0.0	0.0	0.0	0.0	29.0	59.1	124.1	24.0				
3	468+86.53	469+44.98	RTE 96	RT					0.0	0		28.8	0.0	0.0	0.0	0.0	0.0	59.0	28.8	58.5	9.8				
3	469+65.39	470+20.54	RTE 96	RT		7	5		4.0	5	5	19.5	0.0	0.0	0.0	0.0	0.0		23.5	67.2	14.5				
3	469+93.20	470+33.43	RTE 96	LT					0.0	0		22.5	0.0	0.0	0.0	0.0	0.0		22.5	40.3	6.8				
3	470+56.04	471+20.45	RTE 96	RT		7	5		3.8	5	5	31.3	0.0	0.0	0.0	0.0	0.0		35.1	76.5	16.0				
3	470+63.06	470+73.31	RTE 96	LT					0.0	0		5.7	0.0	0.0	0.0	0.0	0.0		5.7	10.3	1.8				
3	471+23.73	471+53.15	RTE 96	LT					0.0	0		16.4	0.0	0.0	0.0	0.0	0.0		16.4	29.5	5.0				
3	471+31.78	472+17.00	RTE 96	RT	10.0	12	5	1-C	6.4	5	6	43.0	0.0	0.0	0.0	0.0	0.0	23.0	49.4	102.3	20.3				
3	471+88.15	472+17.48	RTE 96	LT	10.0	12	5	1-C	6.5	5	6	11.9	0.0	0.0	0.0	0.0	0.0	23.0	18.4	46.4	11.0				
3	472+49.92	472+75.10	RTE 96	RT	10.0	12	5	1-C	6.4	5	6	9.6	0.0	0.0	0.0	0.0	0.0	22.0	16.0	42.2	10.3				
3	472+56.52	473+19.57	RTE 96	LT	10.0	13	5	1-C	6.9	5	6	29.8	0.0	0.0	0.0	0.0	0.0	25.0	36.7	81.1	16.8				
4	473+04.10	473+43.66	RTE 96	RT					0.0	0		22.0	0.0	0.0	0.0	0.0	0.0		22.0	39.6	6.6				
4	473+52.97	473+71.96	RTE 96	LT					0.0	0		10.6	0.0	0.0	0.0	0.0	0.0		10.6	19.0	3.2				
4	473+73.10	473+94.93	RTE 96	RT					0.0	0		12.2	0.0	0.0	0.0	0.0	0.0		12.2	21.9	3.7				
4	474+16.87	474+82.49	RTE 96	LT					0.0	0		36.5	0.0	0.0	0.0	0.0	0.0		36.5	65.7	11.0				
4	474+28.42	476+14.50	RTE 96	RT	10.0	12	5	1-C	6.4	5	6	99.0	0.0	0.0	0.0	0.0	0.0	23.0	105.4	203.1	37.1				
4	475+15.11	475+96.41	RTE 96	LT					0.0	0		45.3	0.0	0.0	0.0	0.0	0.0		45.3	81.4	13.6				
4	476+31.17	477+50.87	RTE 96	LT					0.0	0		66.6	0.0	0.0	0.0	0.0	0.0		66.6	119.8	20.0				
4	476+58.04	476+95.94	RTE 96	RT	10.0	12	5	1-C	6.5	5	6	16.7	0.0	0.0	0.0	0.0	0.0	23.0	23.2	55.0	12.5				
4	477+56.99	479+57.53	RTE 96	RT					0.0	0		111.5	0.0	0.0	0.0	0.0	0.0		111.5	200.6	33.5				
5	477+80.87	478+21.84	RTE 96	LT					0.0	0		22.8	0.0	0.0	0.0	0.0	0.0		22.8	41.0	6.9				
5	478+53.60	479+01.17	RTE 96	LT					0.0	0		26.5	0.0	0.0	0.0	0.0	0.0		26.5	47.6	8.0				
5	479+38.10	480+34.23	RTE 96	LT					0.0	0		53.5	0.0	0.0	0.0	0.0	0.0		53.5	96.2	16.1				
5	479+72.02	479+85.93	RTE 96	RT					0.0	0		7.8	0.0	0.0	0.0	0.0	0.0		7.8	14.0	2.4				
5	480+25.39	480+89.98	RTE 96	RT	27.0	25	5	3-D	13.7	5	6	27.3	0.0	0.0	0.0	0.0	0.0	33.0	41.0	94.6	19.1				
5	480+59.23	480+88.40	RTE 96	LT	24.0	24	5	3-D	14.0	5		7.9	0.0	0.0	0.0	0.0	6.7	35.0	28.6	58.2	13.0				
5	481+42.69	482+24.94	RTE 96	RT	10.0	13	5	1-C	7.2	5	6	40.6	0.0	0.0	0.0	0.0	0.0	25.0	47.8	100.3	20.0				
5	481+70.67	482+86.56	RTE 96	LT	10.0	15	5	1-C	8.3	5	6	58.2	0.0	0.0	0.0	0.0	0.0	30.0	66.5	135.9	25.9				
5	482+64.39	482+84.91	RTE 96	RT					0.0	0		11.5	0.0	0.0	0.0	0.0	0.0		11.5	20.6	3.5				
5	483+02.76	483+10.76	RTE 96	LT					0.0	0		4.5	0.0	0.0	0.0	0.0	0.0		4.5	8.0	1.4				
6	483+24.45	486+52.09	RTE 96	RT					0.0	0		182.2	0.0	0.0	0.0	0.0	0.0		182.2	327.7	54.7				
6	483+47.89	485+10.40	RTE 96	LT		9	5		4.6	5		84.4	0.0	0.0	0.0	0.0	0.0		89.0	176.6	32.7				
6	485+69.11	487+57.11	RTE 96	LT	10.0	19	5	1-F	10.3	5	6	105.7	0.0	0.0	0.0	0.0	0.0	34.0	116.0	212.0	38.6				
6	486+77.59	487+56.31	RTE 96	RT	12.0	17	5	1-F	9.7	5	6	45.0	0.0	0.0	0.0	0.0	6.7	27.0	61.4	100.8	20.1				
6	487+90.09	499+37.40	RTE 96	LT	10.0	12	5	1-C	6.3	5	6	631.0	0.0	0.0	0.0	0.0	0.0	22.0	637.3	1164.4	197.4				
6	487+90.28	497+97.31	RTE 96	RT	10.0	12	5	1-C	6.5	5	6	555.0	0.0	0.0	0.0	0.0	0.0	23.0	561.5	1024.1	174.0				
8	498+23.34	500+09.30	RTE 96	RT					0.0	0		103.4	0.0	0.0	0.0	0.0	0.0		103.4	186.0	31.0				
9	499+95.19	501+93.23	RTE 96	LT	12.0	16	5	1-F	8.8	5		109.2	0.0	0.0	0.0	0.0	0.0		118.0	219.1	39.8				
9	500+38.98	500+68.80	RTE 96	RT					0.0	0		16.7	0.0	0.0	0.0	0.0	0.0		16.7	29.9	5.0				
9	501+12.28	501+95.51	RTE 96	RT	12.0	17	5	1-F	9.5	5		41.6	0.0	0.0	0.0	0.0	0.0		51.1	105.3	20.8				
9	502+55.56	503+14.33	RTE 96	RT	10.0	20	5	1-F	10.8	5		29.5	0.0	0.0	0.0	0.0	0.0		40.3	83.8	17.3				
9	502+57.71	502+74.25	RTE 96	LT	12.0	20	5	1-F	11.3	5		5.4	0.0	0.0	0.0	0.0	0.0		16.7	41.6	10.2				
9	502+74.25	504+57.60	RTE 96	LT	10.0	10	5	1-C	2.8	5	6	101.3	0.0	0.0	0.0	0.0	0.0	19.0	104.1	198.4	36.4				
9	503+26.33	504+67.98	RTE 96	RT	10.0	10	5	1-C	2.8	5	6	78.3	0.0	0.0	0.0	0.0	0.0	20.0	81.1	156.7	29.4				
9	504+87.18	505+08.49	RTE 96	RT	10.0	10	5	1-C	2.8	5	6	11.4	0.0	0.0	0.0	0.0	0.0	20.0	14.2	36.4	9.4				
9	504+90.92	505+73.94	RTE 96	LT	10.0	13	5	1-C	4.5	5	6	43.0	0.0	0.0	0.0	0.0	0.0	25.0	47.5	101.1	20.1				
10	505+40.37	505+68.39	RTE 96	RT					0.0	0		15.6	0.0	0.0	0.0	0.0	0.0		15.6	28.1	4.7				
10	505+91.92	506+02.17	RTE 96	LT					0.0	0		5.8	0.0	0.0	0.0	0.0	0.0		5.8	10.3	1.8				
10	506+11.98	506+94.80	RTE 96	RT	24.0	43	5		25.8	5	6	37.9	0.0	0.0	0.0	0.0	0.0	46.0	63.7	130.9	25.1				
10	506+34.69	506+75.15	RTE 96	LT	10.0	16	5	1-C	8.8	5	6	18.7	0.0	0.0	0.0	0.0	0.0	21.0	27.5	61.5	13.5				
10	506+75.15	506+95.49	RTE 96	LT	12.0	15	5		8.6	5	7	17.6	0.0	0.0	0.0	0.0		50.0	29.0	40.4	10.0				
10	0+23.21	0+53.33	RTE 96	LT	21.0	28	6		20.2	6		12.0	0.0	0.0	0.0	0.0	6.7	50.0	38.9	63.2	13.8				
10	0+27.11	0+55.30	RTE 96	RT	24.0	29	5	3-C	19.0	5	6	16.5	0.0	0.0	0.0	0.0	0.0	76.0	35.5	62.2	13.7				
				TOTAL	430.0	--	--	--	319.9	--	--	3489.7	0.0	0.0	0.0	0.0	20.1	*	3832.5	7338.0	1342.6	0.0	0.0	0.0	
				USE	430	--	--	--	319.9	--	--	3489.7					20.1	*	3833	7338	1343	0	0	0	

QTY IS INCLUDED IN 8" SW FOR PINNED-ON ISLANDS, IF NEED PVMNT REPAIR UNDERNEATH.
SOD IS ESTIMATED AT 2.25' FOR CURB RAMP AREAS AND AT 1.5' FOR LONG SIDEWALK RUNS.

* PAY WIDTH INCLUDES INTEGRAL CURB CONC. WIDTH/HEIGHT. SEE TYPICAL SHEET 1 FOR ALL PAY ITEM LIMITS.

SUMMARY OF QUANTITIES
SHEET 3 OF 3

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

REMOVALS INFORMATION DROP INLETS RTE. 96 CENTERLINE

STA.	STA.	LOCATION	DESCRIPTION	QTY	REMARKS
471+94.31		30.0' LT	DROP INLET	1	
472+00.00		30.5' RT	DROP INLET	1	
485+94.95		32.26' RT	DROP INLET	1	
487+41.70		32.1' RT	DROP INLET	1	
490+32.08		32.1' RT	DROP INLET	1	
493+69.24		30.9' LT	DROP INLET	1	
493+69.36		30.4' RT	DROP INLET	1	
494+12.20		29.4' LT	DROP INLET	1	
494+41.00		28.8' RT	DROP INLET	1	
494+41.06		29.5' LT	DROP INLET	1	
494+69.53		28.7' LT	DROP INLET	1	
494+69.66		28.2' RT	DROP INLET	1	
496+99.00		32.43' LT	DROP INLET	1	
496+99.00		31.94' RT	DROP INLET	1	
468+99.00		32.34' LT	DROP INLET	1	
468+99.00		31.61' RT	DROP INLET	1	
481+01.93		51.67' RT	DROP INLET	1	
481+01.93	481+36.29	51.64' RT	15" DRAIN PIPE	1	ACROSS FRANCIS ST.
481+36.29		51.57' RT	DROP INLET	1	
500+30.05		32.36' LT	DROP INLET	1	
501+79.15		32.41' LT	DROP INLET	1	
503+23.25		32.28' LT	DROP INLET	1	
504+51.16		31.95' LT	DROP INLET	1	
505+04.11		32.60' RT	DROP INLET	1	
505+04.29		32.34' LT	DROP INLET	1	
506+97.00		36.43' LT	DROP INLET	1	
506+97.72		42.09' LT	DROP INLET	1	
507+00.30		62.85' LT	DROP INLET	1	

TEMPORARY PAVEMENT MARKING

STA	STA	4" PAVEMENT MARKING (LF)	REMOVAL (LF)	REMOVAL SYMBOLS (EA)
448+75.00	506+00.00	5725		16
448+75.00	506+00.00	5725		
	SUBTOTAL	11450		
ADDITIONAL 10%		1145		
	TOTAL	12595	12595	
	PAY	12595	12595	16

REMOVALS INFORMATION RIGHT OF RTE. 96 CENTERLINE

STA.	STA.	LOCATION	DESCRIPTION	QTY	REMARKS
450+38.94		16.14'	SPEED LIMIT SIGN	1	
450+38.94		74.86'	SPEED LIMIT SIGN	1	
457+07.50	458+94.70	1'	188' GUARDRAIL	1	
457+09.81	458+71.50	64.25'	161.7' GUARDRAIL	1	
458+93.62		67.5'	DELINEAR	1	
459+08.63		73'	LIGHT POLE	1	
459+23.00		69.8'	DELINEAR	1	
459+74.66		108.5'	YIELD SIGN	1	
459+75.43		104.9'	DELINEAR	1	
464+66.13	464+92.54	144.44'	3 DELINEARS	1	AROUND CORNER
464+69.70		77'	SIGN	1	
464+71.09		59.1'	SIGN	1	
464+93.23		49.29'	SIGNAL POLE	1	
465+09.66		102.73'	SIGN	1	
465+34.85	465+89.44	85.18'	3 DELINEARS	1	AROUND CORNER
466+00.39		71.8'	SIGN	1	
480+91.74		43.24'	SIGNAL POLE	1	
480+96.72		46.06'	CONTROLLER	1	
481+46.95		52.96'	SIGN	1	
481+48.76		37.94'	FIRE HYDRANT	1	
481+57.85		40.56'	SIGNAL POLE	1	
482+70.35		38.22'	SIGN	1	
483+37.35		38.56'	SIGN	1	
483+43.52		37.84'	UTILITY POLE	1	
483+63.32		36.67'	SIGN	1	
484+00.00		36.05'	UTILITY POLE	1	
486+10.92		36.00'	UTILITY POLE	1	
488+03.90		36.23'	UTILITY POLE	1	
490+28.19		35.91'	UTILITY POLE	1	
492+56.00		36.00'	UTILITY POLE	1	
494+97.67		35.94'	UTILITY POLE	1	
496+29.15		37.25'	SIGN	1	
496+44.31		35.84'	UTILITY POLE	1	
497+71.44		36.53'	UTILITY POLE	1	
498+35.38		37.28'	FIRE HYDRANT	1	
499+93.56		36.30'	UTILITY POLE	1	
500+51.19		37.70'	SIGN	1	
502+59.58		45.64'	SIGN	1	
502+69.20		36.85'	UTILITY POLE	1	
502+66.00	503+11.65	44.86'	45.65' FENCE	1	
503+28.85	504+22.46	44.41'	93.61' FENCE	1	
503+68.06		35.56'	UTILITY POLE	1	
504+97.38		36.70'	SIGN	1	
504+98.91		36.70'	UTILITY POLE	1	
506+94.48		63.27'	SIGNAL POLE	1	
507+69.89		31.42'	SIGNAL POLE	1	
507+77.10		33.75'	CONTROLLER	1	

REMOVALS INFORMATION LEFT OF RTE. 96 CENTERLINE

STA.	STA.	LOCATION	DESCRIPTION	QTY	REMARKS
457+07.50	458+94.70	1'	188' GUARDRAIL	1	
458+90.08		74.5'	YIELD SIGN	1	
459+46.43	459+82.68	95.1'	3 DELINEARS	1	AROUND CORNER
459+66.90		50.56'	SIGNAL POLE	1	
459+83.40		180.74'	AIRPORT SIGN	1	
459+84.58		164.5'	LIGHT POLE	1	
459+90.53		65.75'	DO NOT ENTER SIGN	1	
459+92.96		173.0'	NO PARKING SIGN	1	
459+94.72		87.31'	DIRECTIONAL SIGN	1	
464+56.91	465+14.88	129.82'	4 DELINEARS	1	AROUND CORNER
464+59.12		131.84'	YIELD SIGN	1	
464+76.57		46.37'	DIRECTIONAL SIGN	1	
465+47.00		76.81'	LIGHT POLE	1	
466+01.21		66.69'	DELINEAR	1	
467+52.37		35.31'	SIGNAL POLE	1	
467+68.22		41.18'	FENCE	1	
468+23.37		39.45'	SIGNAL POLE	1	
468+42.62		40.93'	JUNCTION BOX	1	
480+80.50		39'	SIGNAL POLE	1	
480+86.95		41'	CONTROLER	1	
480+88.66		46'	SIGN	1	
481+01.00		84.94'	ATT SIGN	1	
481+02.74		83.47'	ATT PULL BOX	1	
481+03.89		88.48'	SIGN	1	
481+04.35		86.33'	SIGN	1	
482+68.29		36.21'	UTILITY POLE	1	
483+06.66		37.06'	SIGN	1	
484+18.76		35.77'	SIGN	1	
485+00.00		36.73'	UTILITY POLE	1	
485+20.25		37.92'	SIGN	1	
486+60.72		37.83'	SIGN	1	
486+90.10		36.35'	UTILITY POLE	1	
487+25.65		38.05'	FIRE HYDRANT	1	
487+46.28		37.64'	SIGN	1	
487+56.15		46.22'	POWER POLE	1	
487+97.81		40.05'	POWER POLE	1	
488+04.72		37.06'	POWER POLE	1	
488+96.91		36.03'	UTILITY POLE	1	
491+44.35		0'	SIGN	1	IN MEDIUM STRIP
491+57.04		35.97'	UTILITY POLE	1	
493+78.29		36.72'	UTILITY POLE	1	
494+03.57		40.27'	POWER POLE	1	
494+47.00		0'	SIGN	1	IN MEDIUM STRIP
495+67.50		38.20'	SIGN	1	
497+43.78		0'	SIGN	1	IN MEDIUM STRIP
497+88.17		38.58'	POWER POLE	1	
498+88.17		36.45'	UTILITY POLE	1	
501+45.22		36.94'	POWER POLE	1	
501+85.85		37.52'	UTILITY POLE	1	
502+73.38		36.36'	POWER POLE	1	
503+25.34		37.30'	SIGN	1	
503+78.24		36.22'	UTILITY POLE	1	
503+95.00		37.19'	SIGN	1	
505+38.00		36.63'	POWER POLE	1	
506+37.58		36.62'	POWER POLE	1	
506+78.93		38.26'	SIGNAL POLE	1	
506+96.90		48.79'	JUNCTION BOX	1	
507+51.15		46.80'	JUNCTION BOX	1	
507+51.36		50.76'	SIGNAL POLE	1	
507+59.03		44.41'	FIRE HYDRANT	1	
507+64.01		42.30'	SIGN	1	
1+17.64	1+71.80		3 DELINEARS	1	RAMP 3
2+68.18			SIGN	1	RAMP 3
3+78.83			SIGN	1	RAMP 3
3+94.87			SIGN	1	RAMP 3
4+73.45			DELINEAR	1	RAMP 3

REMOVAL OF IMPROVEMENTS

SHEET NO.	STA	STA	ROUTE	LOCATION	ROADWAY (SY)	MEDIAN (SY)	CURB & GUTTER (LF)	REMARKS
4	446+20.00	451+60.00	96 / 171	CL	320.2			
5	451+60.00	457+00.00	96 / 171	CL	718.4	432.5		
6	457+00.00	462+40.00	96 / 171	CL	4479.5	1346.5		
7	462+40.00	467+80.00	96 / 171	CL	6506.2	1245.9		
8	467+80.00	472+55.00	96 / 171	CL	4082.5	1334.4		
9	472+55.00	465+26.00	96	CL	2740.4	15.8	478	INCLUDES BOGGESS REMOVAL
10	465+26.00	470+66.00	96	CL	3860.3		446	INCLUDES BAKER BLVD REMOVAL
11	1+25.00	5+25.00	BAKER BLVD.	CL	192.1			
12	470+66.00	474+68.00	96	CL	2664.2		275	INCLUDES FLORANCE REMOVAL
13	474+68.00	478+70.00	96	CL	2656.5		509	INCLUDES CENTER ST. REMOVAL
14	478+70.00	484+10.00	96	CL	4672.9		432	INCLUDES FRANCIS REMOVAL
15	484+10.00	489+50.00	96	CL	3802.0		794	INCLUDES BLANCHE REMOVAL
16	489+50.00	494+90.00	96	CL	3716.1	212.0	1080	
17	494+90.00	499+80.00	96	CL	3452.8	160.5	880	
18	499+80.00	504+70.00	96	CL	4205.4		606	INCLUDES McGREGGOR REMOVAL
19	504+70.00	0+48.49	96	CL	2692.4		190	INCLUDES GARRISON REMOVAL
20	6+04.07	11+04.83	RAMP 2	BL	2345.9	186.0		
21	4+75.00	5+48.21	RAMP 1	BL	357.6			
22	5+48.21	10+78.72	RAMP 1	BL	2180.2	24.7		
23	0+44.55	5+40.00	RAMP 4	BL	2116.1	34.8		
24	5+40.00	7+75.02	RAMP 4	BL	753.9			
25	0+44.82	5+40.01	RAMP 3	BL	2596.9	191.1		
26	5+40.01	8+00.00	RAMP 3	BL	838.5			
				TOTAL	61951.0	5184.2	5690	
				USE	1 LUMP SUM			

REMOVE EXISTING OVERHEAD SIGN TRUSS
1 EACH

SUMMARY OF QUANTITIES
SHEET 1 OF 16

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
JSR0060

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.

EROSION CONTROL

STA	LOCATION	ROUTE	ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL (CY)	REMARKS
7+53.97	50.19 LT.	RAMP 2	10	0.1	
8+14.53	52.82 LT.	RAMP 2	10	0.1	
8+73.56	46.07 LT.	RAMP 2	10	0.1	
9+34.90	47.41 LT.	RAMP 2	10	0.1	
9+95.31	45.24 LT.	RAMP 2	10	0.1	
10+54.98	51.52 LT.	RAMP 2	10	0.1	
10+70.36	75.57 LT.	RAMP 2	10	0.1	
0+97.10	54.67 LT.	RAMP 4	10	0.1	
1+12.62	40.66 LT.	RAMP 4	10	0.1	
2+62.15	34.30 LT.	RAMP 4	10	0.1	
4+12.54	33.49 LT.	RAMP 4	10	0.1	
5+62.49	29.91 LT.	RAMP 4	10	0.1	
5+57.93	37.82 LT.	RAMP 1	10	0.1	
6+08.00	35.16 LT.	RAMP 1	10	0.1	
6+45.99	32.67 LT.	RAMP 1	10	0.1	
6+84.21	28.33 LT.	RAMP 1	10	0.1	
7+18.91	23.61 LT.	RAMP 1	10	0.1	
7+60.65	18.77 LT.	RAMP 1	10	0.1	
7+98.90	20.50 LT.	RAMP 1	10	0.1	
8+37.77	26.28 LT.	RAMP 1	10	0.1	
8+75.15	25.19 LT	RAMP 1	10	0.1	
9+12.45	27.97 LT.	RAMP 1	10	0.1	
9+49.84	29.00 LT.	RAMP 1	10	0.1	
9+88.24	33.61 LT.	RAMP 1	10	0.1	
10+23.64	45.21 LT.	RAMP 1	10	0.1	
1+08.40	59.52 LT.	RAMP 3	10	0.1	
1+04.86	72.09 RT.	RAMP 3	10	0.1	
1+30.84	41.62 RT.	RAMP 3	10	0.1	
1+80.73	38.34 RT.	RAMP 3	10	0.1	
2+30.73	37.80 RT.	RAMP 3	10	0.1	
2+80.73	37.27 RT.	RAMP 3	10	0.1	
3+30.73	36.73 RT.	RAMP 3	10	0.1	
3+80.72	36.20 RT.	RAMP 3	10	0.1	
4+30.72	35.66 RT.	RAMP 3	10	0.1	
4+80.72	35.13 RT.	RAMP 3	10	0.1	
5+30.71	34.59 RT.	RAMP 3	10	0.1	
5+80.71	34.06 RT.	RAMP 3	10	0.1	
6+30.71	33.52 RT.	RAMP 3	10	0.1	
6+80.71	32.99 RT.	RAMP 3	10	0.1	
7+30.70	32.45 RT.	RAMP 3	10	0.1	
7+80.37	32.12 RT.	RAMP 3	10	0.1	
466+48.13	88.04 LT.	RTE 96	10	0.1	
467+96.75	88.48 LT.	RTE 96	10	0.1	
469+46.37	87.65 LT.	RTE 96	10	0.1	
470+96.34	84.65 LT.	RTE 96	10	0.1	
471+83.87	84.27 LT.	RTE 96	10	0.1	
472+42.11	66.24 LT.	RTE 96	10	0.1	
466+65.24	83.14 RT.	RTE 96	10	0.1	
468+14.94	74.95 RT.	RTE 96	10	0.1	
469+65.18	78.35 RT.	RTE 96	10	0.1	
471+87.81	71.54 RT.	RTE 96	10	0.1	
472+51.85	58.06 RT.	RTE 96	10	0.1	
		TOTAL	520	5	

EROSION CONTROL

STA	STA	LOCATION	CURB INLET CHECK (EA)	SEDIMENT REMOVAL (CY)	SILT FENCE (LF)	REMARKS
461+36.74	46150.77	LT.			21	
463+28.00	46385.16	LT.			58	
471+97.22		LT.	1	0.1		
472+84.70		LT.	1	0.1		
476+62.73	47680.26	LT.			18	
476+71.59		LT.	1	0.1		
476+87.16	47739.12	LT.			52	
477+34.68		LT.	1	0.1		
480+68.86	48097.13	LT.			32	
481+59.27	48284	LT.			126	
481+98.03		LT.	1	0.1		
483+52.06	48506.82	LT.			155	
485+69.71	48745.94	LT.			179	
493+68.46		LT.	1	0.1		
494+05.99		LT.	1	0.1		
494+13.77		LT.	1	0.1		
494+35.00		LT.	1	0.1		
494+41.20		LT.	1	0.1		
494+46.42		LT.	1	0.1		
494+52.63		LT.	1	0.1		
494+71.42		LT.	1	0.1		
497+01.61		LT.	1	0.1		
497+72.53		LT.	1	0.1		
498+42.07		LT.	1	0.1		
499+10.13		LT.	1	0.1		
500+04.85		LT.	1	0.1		
500+85.88		LT.	1	0.1		
501+74.45		LT.	1	0.1		
501+95.87		LT.	1	0.1		
501+97.84		LT.	1	0.1		
502+54.02		LT.	1	0.1		
502+55.47		LT.	1	0.1		
502+74.92		LT.	1	0.1		
503+99.91		LT.	1	0.1		
504+26.92		LT.	1	0.1		
504+79.98		LT.	1	0.1		
505+07.86		LT.	1	0.1		
505+63.72		LT.	1	0.1		
506+77.03		LT.	1	0.1		
506+97.63		LT.	1	0.1		
506+99.74		LT.	1	0.1		
507+46.93		LT.	1	0.1		
507+70.12		LT.	1	0.1		
471+97.20		RT.	1	0.1		
472+18.43		RT.	1	0.1		
472+47.72		RT.	1	0.1		
472+67.27		RT.	1	0.1		
473+27.10		RT.	1	0.1		
473+78.17		RT.	1	0.1		
474+49.16		RT.	1	0.1		
476+13.05		RT.	1	0.1		
476+16.27		RT.	1	0.1		
476+58.50		RT.	1	0.1		
476+78.67		RT.	1	0.1		
476+90.02		RT.	1	0.1		
478+24.90		RT.	1	0.1		
478+99.71		RT.	1	0.1		
480+34.77		RT.	1	0.1		
480+99.14		RT.	1	0.1		
481+00.42		RT.	1	0.1		
481+37.85		RT.	1	0.1		
481+38.62		RT.	1	0.1		
481+66.64		RT.	1	0.1		
		TOTAL	55	6	544	

EROSION CONTROL

STA	STA	LOCATION	CURB INLET CHECK (EA)	SEDIMENT REMOVAL (EA)	SILT FENCE (LF)	REMARKS
485+94.62		RT.	1	0.1		
487+37.98		RT.	1	0.1		
487+58.27		RT.	1	0.1		
487+58.29		RT.	1	0.1		
487+87.51		RT.	1	0.1		
488+07.86		RT.	1	0.1		
489+43.98		RT.	1	0.1		
490+59.69		RT.	1	0.1		
491+51.70		RT.	1	0.1		
493+69.24		RT.	1	0.1		
494+25.65		RT.	1	0.1		
494+35.27		RT.	1	0.1		
494+40.21		RT.	1	0.1		
494+46.51		RT.	1	0.1		
494+56.82		RT.	1	0.1		
494+63.99		RT.	1	0.1		
494+74.57		RT.	1	0.1		
		TOTAL	17	2	0	

TEMPORARY SEEDING & MULCH

LOCATION	SEEDING (ACRE)	MULCH (ACRE)	REMARKS
ROUTE 96	3.7	3.7	

FINAL SEEDING & MULCH

LOCATION	COOL MIX SEEDING (ACRE)	MULCH (ACRE)	REMARKS
ROUTE 96	2.1	2.1	

MOBILIZATION

1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING

4 EACH

CONTRACTOR FURNISHED SURVEYING & STAKING

1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 2 OF 16

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
JSR0060

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.

CONCRETE CURB & GUTTER

SHEET NO.	STA	STA	LOCATION	TYPE A INTEGRAL CURB (LF)	TYPE B CURB AND GUTTER (LF)	TYPE M INTEGRAL CURB (LF)	6" TYPE 5 AGGREGATE BASE (SY)	REMARKS
29	457+00.00	462+40.00	ROUTE 96	330				
30	462+40.00	467+80.00	ROUTE 96	551				
31	467+80.00	472+55.00	ROUTE 96	841				
32	472+55.00	465+26.00	ROUTE 96		459		153.0	
33	465+26.00	470+66.00	ROUTE 96		563		188.0	
34	470+66.00	474+68.00	ROUTE 96		284		95.0	
35	474+68.00	478+70.00	ROUTE 96		472		158.0	
36	478+70.00	484+10.00	ROUTE 96		482		161.0	
37	484+10.00	489+50.00	ROUTE 96		838		279.0	
38	489+50.00	494+90.00	ROUTE 96		1080	696	360.0	
39	494+90.00	499+80.00	ROUTE 96		894	516	298.0	
40	499+80.00	504+70.00	ROUTE 96		623		208.0	
41	504+70.00	0+48.50	ROUTE 96		172		57.0	
49	1+31.00	3+58.27	BAKER BLVD.		239		79.7	
50	3+58.27	8+00.29	BAKER BLVD.		128		42.7	
51	2+03.00	4+50.00	FRANCIS ST.		404		134.7	
52	1731+23.00	1732+25.60	GARRISON ST.		43		14.5	
53	1732+25.60	1733+08.00	GARRISON ST.		118		39.3	
98	3+80.00	4+71.00	McGREFOR ST. N		141		47.0	
			TOTAL	1722	6940	1212	2314.9	

MODIFIED LINEAR GRADING AND CUT COMPACTION

STA	STA	LOCATION	MODIFIED LINEAR GRADING STA.	CUT COMPACTION STA.	REMARKS
448+75.05	473+35.67	ROUTE 96 RT	24.6	24.6	STA EQ: 473+35.67 BK = STA 461+35.20 AH
448+50.00	473+35.67	ROUTE 96 LT	24.9	24.9	STA EQ: 473+35.67 BK = STA 461+35.20 AH
461+35.20	487+73.50	ROUTE 96	26.4	26.4	STA EQ: 461+35.20 AH TO BLANCHE ST.
487+73.50	502+26.50	ROUTE 96	14.5	14.5	BLANCHE ST. TO McGREFFOR ST.
502+26.50	0+48.50	ROUTE 96	5.4	5.4	McGREGGOR ST. TO GARRISON, EQ: STA 507+25.30 BK = STA 0+00.00 AH
4+75.00	10+75.00	RAMP 1	6.0	6.0	
6+60.00	11+05.52	RAMP 2	4.5	4.5	
0+44.82	7+80.00	RAMP 3	7.4	7.4	
0+44.55	7+75.00	RAMP 4	7.3	7.3	
1+31.00	3+58.27	BAKER BLVD	2.3	2.3	
3+58.27	8+00.29	BAKER BLVD	4.4	4.4	
2+03.00	4+50.00	FRANCIS ST.	2.5	2.5	
1731+23.00	1732+25.60	GARRISON AVE.	1.0	1.0	
1732+25.60	1733+08.00	GARRISON AVE.	0.8	0.8	
5+29.01	5+66.00	CENTER ST.	0.4	0.4	
4+64.40	4+76.79	BOGGESS DR.	0.1	0.1	
4+48.00	5+59.00	FLORENCE ST.	1.1	1.1	
4+49.50	5+60.00	BLANCHE ST.	1.1	1.1	
3+80.00	4+71.00	McGREGOR ST. N	0.9	0.9	
5+29.00	5+51.00	McGREGOR ST. S	0.2	0.2	
		TOTALS	135.8	135.8	

EARTHWORK (INFORMATION ONLY)

STA	STA	LOCATION	CUT (C.Y.)	FILL (C.Y.)	REMARKS
448+75.05	473+35.67	ROUTE 96	9171.2	306.6	STA EQ: 473+35.67 BK = STA 461+35.20 AH
461+35.20	487+73.50	ROUTE 96	8650.6	107.1	STA EQ: 461+35.20 AH TO BLANCHE ST.
487+73.50	502+26.50	ROUTE 96	6833.9	83.5	BLANCHE ST. TO McGREFFOR ST.
502+26.50	0+48.50	ROUTE 96	1654.6	21.4	McGREGGOR ST. TO GARRISON, EQ: STA 507+25.30 BK = STA 0+00.00 AH
4+75.00	10+75.00	RAMP 1	1055.5	23.7	
6+60.00	11+05.52	RAMP 2	1075.6	17.1	
0+44.82	7+80.00	RAMP 3	1109.9	126.2	
0+44.55	7+75.00	RAMP 4	1110.1	98.4	
		TOTALS	30661	784	

MISCELLANEOUS PAVEMENT

STA	STA	DESCRIPTION	QUANTITY	UNIT
496+63.50	496+81.50	REINFORCED CONCRETE PAVEMENT (8" MIN)	49	(SY)
496+63.50	496+81.50	REINFORCED CONCRETE PAVEMENT INTERLAYER	57	(SY)

MISCELLANEOUS UTILITY

DESCRIPTION	QUANTITY	UNIT	REMARKS
WATER, ADJ WATER VALVE AND METER COVERS	28	(EA)	
SEWER, ADJUSTMENT RING SANITARY SEWER	9	(EA)	

MISCELLANEOUS UTILITY

STA	DESCRIPTION	QUANTITY	UNIT
492+18.40	FLOWABLE BACKFILL	3	(CY)

SUMMARY OF QUANTITIES
SHEET 3 OF 16

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
JSR0060

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

SHEET NO.	STA	STA	LOCATION	ALTERNATE PAVEMENTS				7" PCCP Non Reinforced (SY)	8" Paved Approach (SY)	A2 SHOULDER		6" Type 5 Aggregate Base (SY)	4" Type 1 Aggregate Base (SY)	REMARKS
				ALTERNATE A 12" HMA (SY)	ALTERNATE B 10" PCCP (SY)	ALTERNATE E 10.5" HMA (SY)	ALTERNATE F 9" PCCP (SY)			ALTERNATE C HMA (SY)	ALTERNATE D PCCP			
27	448+75.04	451+60.00	ROUTE 96	173.3	173.3					136.0	136.0	309.0		
28	451+60.00	457+00.00	ROUTE 96	1155.0	1155.0			268.0		834.0	834.0	2257.0		
29	457+00.00	462+40.00	ROUTE 96	3807.8	3807.8			218.0		742.0	742.0	4768.0		
30	462+40.00	467+80.00	ROUTE 96	4702.4	4702.4					794.0	794.0	5781.0		
31	467+80.00	472+55.00	ROUTE 96	3176.4	3176.4					858.0	858.0	4333.0		
32	472+55.00	465+26.00	ROUTE 96	2502.4	2502.4					146.0	146.0	2977.0		
33	465+26.00	470+66.00	ROUTE 96	3437.0	3437.0							3879.0		
34	470+66.00	474+68.00	ROUTE 96	2590.6	2590.6							2920.0		
35	474+68.00	478+70.00	ROUTE 96	2590.5	2590.5							2954.0		
36	478+70.00	484+10.00	ROUTE 96	3479.8	3479.8							3205.0		
37	484+10.00	489+50.00	ROUTE 96	3480.0	3480.0							3954.0		
38	489+50.00	494+90.00	ROUTE 96	3167.8	3167.8							3863.0		
39	494+90.00	499+80.00	ROUTE 96	2943.6	2943.6							3549.0		
40	499+80.00	504+70.00	ROUTE 96	3157.7	3157.7							3553.0		
41	504+70.00	0+48.50	ROUTE 96	1957.8	1957.8							2163.0		
42	4+75.00	8+40.00	RAMP 1	972.1	972.1					243.0	243.0	1339.0		
43	8+40.00	10+78.72	RAMP 1	933.8	933.8					319.0	319.0	1202.0		
44	6+60.00	11+05.52	RAMP 2	1743.6	1743.6					345.0	345.0	2240.0		
45	0+44.82	4+90.00	RAMP 3			1952.5	1952.5			88.0	88.0	2222.0		
46	4+90.00	8+00.00	RAMP 3			832.3	832.3			205.0	205.0	1141.0		
47	0+44.55	4+90.00	RAMP 4			1636.3	1636.3			318.0	318.0	2108.0		
48	4+90.00	7+75.00	RAMP 4			760.0	760.0			190.0	190.0	1045.0		
49	1+31.00	3+58.27	BAKER BLVD	188.5	188.5							188.5		
50	3+58.27	8+00.29	BAKER BLVD	351.0	351.0				5.2			351.0	5.2	
51	2+03.00	4+50.00	FRANCIS ST.	956.5	956.5							956.5		
52	1731+23.00	1732+25.60	GARRISON AVE.	192.5	192.5				23.5			192.5	23.5	
53	1732+25.60	1733+08.00	GARRISON AVE.	353.1	353.1							353.1		
92	5+29.01	5+66.00	CENTER ST.						198.0				198.0	
92	4+64.40	4+76.79	BOGGESS DR.						70.8				70.8	
94	4+48.00	5+59.00	FLORENCE ST.						256.3				256.3	
97	4+49.50	5+60.00	BLANCHE ST.						236.8				236.8	
98	3+80.00	4+71.00	McGREGOR ST. N	580.2	580.2							580.2		
98	5+29.00	5+51.00	McGREGOR ST. S						166.8				166.8	
			TOTAL	48593.4	48593.4	5181.1	5181.1	486.0	957.4	5218.0	5218.0	64383.8	957.4	

ISLANDS, MEDIAN

SHEET NO.	STA	STA	LOCATION	8" CONC. MEDIAN STRIP (SY)	4" CONC. MEDIAN (SY)	1 1/2" TRUCK APRON	REMARKS
29	457+00.00	462+40.00	ROUTE 96	15.6	217.8		
30	462+40.00	467+80.00	ROUTE 96	55.9	933.3		
31	467+80.00	472+55.00	ROUTE 96	56.5	1224.4		
32	472+55.00	465+26.00	ROUTE 96	15.3			
38	489+50.00	494+90.00	ROUTE 96		154.7		
39	494+90.00	499+80.00	ROUTE 96		115.4		
43	8+40.00	10+78.72	RAMP 1	32.5		129.8	
44	6+60.00	11+05.52	RAMP 2	54.2		92.8	
45	0+44.82	4+90.00	RAMP 3	46.0		121.5	
47	0+44.55	4+90.00	RAMP 4	26.9		214.1	
49	1+31.00	3+58.27	BAKER BLVD	76.5			
			TOTAL	379.4	2645.6	558.2	

BARRIER, GUARD RAIL

SHEET NO.	STA	STA	LOCATION	TYPE C CONC. TRAFFIC BARRIER (LF)	MGS GUARDRAIL (LF)	TYPE A MASH CRASHWORTHY END TERMINAL (EA)	MGS END ANCHOR (EA)	TYPE D MASH CRASHWORTHY END TERMINAL (EA)	REMARKS
28	451+60.00	457+00.00	ROUTE 96	309	90	1	1	1	
29	457+00.00	462+40.00	ROUTE 96	250				1	
			TOTAL	559	90	1	1	2	

SUMMARY OF QUANTITIES
SHEET 4 OF 16

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
JSR0060

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.

PAVEMENT MARKING

				CLASS 2 PAV'T MARKING PAINT (25-MIL, TYPE L BEADS)									PREFORMED THERMOPLASTIC PAV'T MRK			
STA.	STA.	ROUTE	LOCATION	4 IN. YELLOW SOLID (LF)	4 IN. YELLOW INTERMIT. (LF)	6 IN. YELLOW SOLID (LF)	12 IN. YELLOW SOLID (LF)	4 IN. WHITE SOLID (LF)	6 IN. WHITE DOT (LF)	6 IN. WHITE INTERMIT. (LF)	6 IN. WHITE SOLID (LF)	12 IN. WHITE SOLID (LF)	24 IN. WHITE (LF)	LT/RT TURN ARROW (EA)	24 X 36 IN. YIELD TRI. (EA)	REMARKS
ROUTE 96 EBL																
448+38.00	459+75.00	96	EBL			1137.00										EDGE LINE
448+38.00	453+78.00	96	EBL							135.00						LANE LINE
448+38.00	459+56.41	96	EBL								1118.41					EDGE LINE
451+98.28	453+89.74	96	EBL						47.86							
453+89.74	459+75.00	96	EBL							146.32	585.26	585.26				LANE LINE
453+97.66		96	EBL											1		RT TURN
455+87.87		96	EBL											1		RT TURN
457+77.97		96	EBL											1		RT TURN
459+02.50		96	EBL											1		RT TURN
INTERSECTION- ROUTE 96 & SW RAMP																
459+75.00		96	EBL										34			STOP BAR
459+13.99	459+50.88	96	EBL										49			HATCHING
459+50.88	459+85.00	96	EBL									82.23				ISLAND CURB
459+13.99	459+83.86	96	EBL									71.5				DIVIDER LINE
459+83.80		96	EBL												6	YIELD LINE
0+49.02	7+96.19	SW RAMP				747.17										EDGE LINE
0+60.15	7+96.19	SW RAMP									751.19					EDGE LINE
460+20.00	464+30.00	96	EBL								410.00					EDGE LINE
460+65.00	464+30.00	96	EBL							91.25						LANE LINE
460+65.00	464+22.00	96	EBL								357.00					LANE LINE
460+64.00	463+98.00	96	EBL			334.00										EDGE LINE
460+73.79		96	EBL											1		LT TURN
462+04.22		96	EBL											1		LT TURN
463+28.82		96	EBL											1		LT TURN
460+62.00	463+95.00	96	EBL/WBL				680.7									MEDIAN
463+98.00		96	EBL										12			STOP BAR
464+22.00		96	EBL										11			STOP BAR
464+30.00		96	EBL										11			STOP BAR
INTERSECTION- ROUTE 96 & SE RAMP																
0+58.40	5+00.00	SE RAMP				441.60										LT EDGE LINE
0+56.22		SE RAMP											15.81			STOP BAR
1+29.52		SE RAMP												1		LEFT TURN
2+50.06		SE RAMP												1		LEFT TURN
4+18.77		SE RAMP												1		LEFT TURN
0+56.22	2+88.17	SE RAMP										231.95				DIVIDER LINE
2+88.17	4+26.91	SE RAMP									138.74					LANE LINE
0+51.73	1+00.21	SE RAMP										109.33				ISLAND
1+05.00	2+00.00	SE RAMP											163.14			9 CHEVRONS
0+51.73	2+88.17	SE RAMP										236.44				DIVIDER LINE
0+54.21		SE RAMP													5	
1+27.95		SE RAMP												1		RIGHT TURN
2+49.68		SE RAMP												1		RIGHT TURN
4+18.55		SE RAMP												1		RIGHT TURN
0+53.66	5+26.93	SE RAMP				473.27										RT EDGE LINE
464+92.67	469+97.00	96	EBL								511.20					
465+00.00	469+97.00	96	EBL			497.00				124.25						
464+84.27	472+82.00	96	EBL/WBL				1612.24									MEDIAN CURB
469+97.00	473+35.67	96	EBL			338.67				84.67	338.67					
END DIVIDED HIGHWAY EQUATION STA 473+35.67 BK = STA 461+35.20 AHD																
461+35.20	461+55.00	96	EBL			19.80										EDGE LINE
461+35.20	461+70.78	96	EBL							8.90						
461+35.20	461+91.06	96	EBL								55.86					EDGE LINE
461+55.00	467+41.00	96	EBL/WBL	1172.00												DBL YELLOW
461+91.06	467+46.00	96	EBL													EDGE LINE
461+70.78	466+01.00	96	EBL							107.56						
466+01.00	467+46.00	96	EBL							36.25						LANE LINE
466+26.00	467+46.00	96	EBL								120.00					LANE LINE
466+34.16		96	EBL											1		LEFT TURN
466+96.65		96	EBL											1		LEFT TURN
467+41.00		96	EBL										14.00			STOP BAR
467+46.00		96	EBL										22.00			STOP BAR
SUBTOTALS (1)				1,172.00	0.00	3,988.51	2,292.94	0.00	47.86	734.20	4,386.33	1,316.71	331.95	15	11	

SUMMARY OF QUANTITIES
SHEET 5 OF 16

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

DATE PREPARED
9/30/2026

ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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.

PAVEMENT MARKING

				CLASS 2 PAV'T MARKING PAINT (25-MIL, TYPE L BEADS)									PREFORMED THERMOPLASTIC PAV'T MRK			
STA.	STA.	ROUTE	LOCATION	4 IN. YELLOW SOLID (LF)	4 IN. YELLOW INTERMIT. (LF)	6 IN. YELLOW SOLID (LF)	12 IN. YELLOW SOLID (LF)	4 IN. WHITE SOLID (LF)	6 IN. WHITE DOT (LF)	6 IN. WHITE INTERMIT. (LF)	6 IN. WHITE SOLID (LF)	12 IN. WHITE SOLID (LF)	24 IN. WHITE (LF)	LT/RT TURN ARROW (EA)	24 X 36 IN. YIELD TRI. (EA)	REMARKS
INTERSECTION- CENTRAL AVE & BAKER BLVD.																
467+20.90	467+51.53	96	WEST										66.00			11-BARS
467+63.08	468+13.17	96	SOUTH										54.00			9-BARS
467+78.67	468+28.58	96	NORTH										54.00			9-BARS
3+05.91		BAKER	NORTH										13.00			STOP BAR
1+44.83	3+05.91	BAKER	NORTH					161.08								
1+45.43	3+05.91	BAKER	NORTH	320.96												DBL YELLOW
4+08.40		BAKER	SOUTH										11.25			STOP BAR
4+19.64		BAKER	SOUTH										9.50			STOP BAR
4+19.64	7+04.54	BAKER	SOUTH	569.80												DBL YELLOW
4+08.40	7+08.28	BAKER	SOUTH					299.88								EDGE LINE
4+08.40	6+04.54	BAKER	SOUTH					196.14								LANE LINE
4+65.68		BAKER	SOUTH											1		
6+96.56		BAKER	SOUTH											1		
468+40.00	480+67.00	96	EBL								1227.00					EDGE LINE
468+45.00	472+00.72	96	EBL							88.93						LANE LINE
468+45.00	470+60.00	96	EBL/WBL	430.00												DBL YELLOW
470+60.00	471+00.72	96	CENTER-RT	40.72	10.18											CENTER TURN LANE
470+35.00	472+00.72	96	CENTER-LT	165.72	41.43											CENTER TURN LANE
471+50.72	472+00.72	96	CENTER-RT								50.00					LEFT TURN LINE
471+75.72		96	CENTER											1		LT TURN
472+91.24		96	CENTER											1		LT TURN
472+66.18	480+67.00	96	EBL							200.21						LANE SKIP LINE
472+66.24	478+75.00	96	CENTER-RT	608.76	152.19											CENTER TURN LANE
472+66.24	473+16.24	96	CENTER-LT								50.00					LEFT TURN LINE
473+66.24	478+75.00	96	CENTER-LT	508.76	127.19											CENTER TURN LANE
474+46.85		96	CENTER											1		TWLTL
474+62.86		96	CENTER											1		TWLTL
477+53.99		96	CENTER											1		TWLTL
477+70.00		96	CENTER											1		TWLTL
479+25.00	480+67.00	96	EBL								142.00					LANE LINE
479+25.00	480+67.00	96	EBL								142.00					LANE LINE
478+75.00	480+61.00	96	EBL/WBL	372.00												DBL YELLOW
479+33.04		96	EBL											1		LEFT TURN
480+41.16		96	EBL											1		LEFT TURN
INTERSECTION- FRANCIS ST.																
480+72.35	480+72.76	96	WEST										66.00			11-BLOCKS
480+89.70	481+69.01	96	NORTH										84.00			14-BLOCKS
480+90.27	4+81.94	96	SOUTH										54.00			9-BLOCKS
2+89.07		FRANCIS	NORTH										16.00			STOP BAR
2+78.86		FRANCIS	NORTH										11.00			STOP BAR
2+05.37	2+89.07	FRANCIS	NORTH					83.70								LANE LINE
1+45.33	2+78.96	FRANCIS	NORTH	267.26												DOUBLE YELLOW
2+32.92		FRANCIS	NORTH											1		LEFT TURN
3+97.18		FRANCIS	SOUTH										11.00			STOP BAR
4+07.19		FRANCIS	SOUTH										10.00			STOP BAR
4+07.19	5+35.36	FRANCIS	SOUTH	256.34												DOUBLE YELLOW
3+97.18	4+75.30	FRANCIS	SOUTH								78.12					LANE LINE
3+97.18	5+62.66	FRANCIS	SOUTH								165.48					EDGE LINE
481+75.00	506+63.98	96	EBL								2488.98					EDGE LINE
481+80.00	505+23.00	96	EBL							585.75						LANE SKIP LINE
481+80.00	483+70.00	96	EBL	380.00												DOUBLE YELLOW
481+80.00	487+40.19	96	EBL							140.05						LANE SKIP LINE
483+70.00	487+40.19	96	CENTER-LT	370.19	92.55											CENTER TURN LANE
483+70.00	486+40.19	96	CENTER-RT	270.19	67.55											CENTER TURN LANE
484+75.00		96	CENTER											1		TWLTL
484+91.01		96	CENTER											1		TWLTL
SUBTOTALS (2)				4,560.70	491.09	0.00	0.00	740.80	0.00	1,014.94	4,343.58	0.00	459.75	13	0	

SUMMARY OF QUANTITIES
SHEET 6 OF 16

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

DATE PREPARED: 9/30/2026
ROUTE: 96 | STATE: MO
DISTRICT: SW | SHEET NO.: 3
COUNTY: JASPER
JOB NO.: JSR0060
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
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Engineering beyond.

PAVEMENT MARKING

				CLASS 2 PAV'T MARKING PAINT (25-MIL, TYPE L BEADS)									PREFORMED THERMOPLASTIC PAV'T MRK			
STA.	STA.	ROUTE	LOCATION	4 IN. YELLOW SOLID (LF)	4 IN. YELLOW INTERMIT. (LF)	6 IN. YELLOW SOLID (LF)	12 IN. YELLOW SOLID (LF)	4 IN. WHITE SOLID (LF)	6 IN. WHITE DOT (LF)	6 IN. WHITE INTERMIT. (LF)	6 IN. WHITE SOLID (LF)	12 IN. WHITE SOLID (LF)	24 IN. WHITE (LF)	LT/RT TURN ARROW (EA)	24 X 36 IN. YIELD TRI. (EA)	REMARKS
486+90.19	487+40.19	96	CENTER-RT								50.00					LEFT TURN LINE
488+06.22	501+63.98	96	EBL							339.44						LANE SKIP LINE
487+15.19		96	CENTER											1		LT TURN
488+31.22		96	CENTER											1		LT TURN
488+06.22	488+56.22	96	CENTER-LT								50.00					LEFT TURN LINE
488+06.22	489+80.00	96	CENTER-RT	173.78	43.44											CENTER TURN LANE
489+06.22	489+80.00	96	CENTER-LT	73.78	18.44											CENTER TURN LANE
489+80.00	491+40.00	96	CENTER-RT	320.00												DOUBLE YELLOW
489+80.00	491+40.00	96	CENTER-LT	320.00												DOUBLE YELLOW
491+40.00	497+48.00	96	CENTER-RT			608.00										MEDIAN LINE
491+40.00	497+48.00	96	CENTER-LT			608.00										MEDIAN LINE
497+48.00	498+25.00	96	CENTER-RT	154.00												DOUBLE YELLOW
497+48.00	498+25.00	96	CENTER-LT	154.00												DOUBLE YELLOW
498+25.00	500+79.24	96	CENTER-RT	254.24	63.56											CENTER TURN LANE
498+25.00	501+79.67	96	CENTER-LT	354.67	88.67											CENTER TURN LANE
499+29.98		96	CENTER											1		TURN ARROW
499+45.99		96	CENTER											1		TURN ARROW
501+29.24	501+79.24	96	CENTER-RT								50.00					LEFT TURN LINE
502+73.46	504+73.00	96	CENTER-RT	199.54	49.89											CENTER TURN LANE
502+73.46	503+23.46	96	CENTER-LT								50.00					LEFT TURN LINE
501+54.26		96	CENTER											1		LT TURN ARROW
502+98.46		96	CENTER											1		LT TURN ARROW
503+73.00	504+73.00	96	CENTER-LT	100.00	25.00											CENTER TURN LANE
505+23.00	506+63.98	96	EBL								140.98					LANE LINE
505+23.00	506+63.98	96	EBL								140.98					LANE LINE
504+73.00	506+55.00	96	EBL/WBL	364.00												DOUBLE YELLOW
506+55.00		96	EBL										14.00			STOP BAR
506+63.98		96	EBL										22.00			STOP BAR
INTERSECTION- GARRISON AVE.																
506+69.57	506+69.64	96	WEST										66.00			11-BLOCKS
506+88.30	507+50.29	96	SOUTH										66.00			11-BLOCKS
506+96.42	507+46.42	96	NORTH										54.00			9-BLOCKS
507+68.00	507+69.05	96	EAST										60.00			10-BLOCKS
1731+73.00		GARRISON	NORTH										12.50			STOP BAR
1731+59.83		GARRISON	NORTH										12.00			STOP BAR
1730+59.00	1731+73.00	GARRISON	NORTH					114.00								LANE LINE
1730+59.00	1731+73.00	GARRISON	NORTH					114.00								LANE LINE
1729+85.00	1731+59.83	GARRISON	NORTH	349.66												DOUBLE YELLOW
1730+67.09		GARRISON	NORTH											1		LEFT TURN
1731+15.88		GARRISON	NORTH											1		LEFT TURN
1732+75.61		GARRISON	SOUTH										14.00			STOP BAR
1732+83.55		GARRISON	SOUTH										13.00			STOP BAR
1732+75.61	1734+40.57	GARRISON	SOUTH								164.96					LANE LINE
1732+75.61	1734+40.56	GARRISON	SOUTH								164.95					LANE LINE
1732+83.55	1735+10.55	GARRISON	SOUTH	454.00												DOUBLE YELLOW
507+77.97	509+50.06	96	EBL								172.09					EDGE LINE
507+77.93	509+47.95	96	EBL							42.50						LANE SKIP LINE
507+83.99	509+49.99	96	EBL/WBL	332.00												DOUBLE YELLOW
WEST BOUND DIVIDED LANES ROUTE 96																
449+58.87	458+69.69	96	WBL								922.83					EDGE LINE
449+58.87	458+50.00	96	WBL							222.78						LANE SKIP LINE
449+58.87	458+63.90	96	WBL			905.03										INSIDE EDGE LINE
SUBTOTALS (3)				1,135.66	0.00	905.03	0.00	228.00	0.00	265.28	1,424.83	0.00	297.50	2.00	0.00	

SUMMARY OF QUANTITIES
SHEET 7 OF 16

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

DATE PREPARED
9/30/2026

ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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.

PAVEMENT MARKING

				CLASS 2 PAV'T MARKING PAINT (25-MIL, TYPE L BEADS)									PREFORMED THERMOPLASTIC PAV'T MRK			
STA.	STA.	ROUTE	LOCATION	4 IN. YELLOW SOLID (LF)	4 IN. YELLOW INTERMIT. (LF)	6 IN. YELLOW SOLID (LF)	12 IN. YELLOW SOLID (LF)	4 IN. WHITE SOLID (LF)	6 IN. WHITE DOT (LF)	6 IN. WHITE INTERMIT. (LF)	6 IN. WHITE SOLID (LF)	12 IN. WHITE SOLID (LF)	24 IN. WHITE (LF)	LT/RT TURN ARROW (EA)	24 X 36 IN. YIELD TRI. (EA)	REMARKS
INTERSECTION- ROUTE 96 & NW RAMP																
6+65.00	11+00.44	NW RAMP														INSIDE EDGE LINE
7+72.00	9+46.89	NW RAMP									174.89					LANE LINE
6+65.00	10+85.34	NW RAMP									420.34					EDGE LINE
9+46.89	10+96.17	NW RAMP										149.28				DIVIDER LINE
9+46.89	10+42.47	NW RAMP											100.28			6-CHEVRONS
9+46.89	10+99.54	NW RAMP										153.24				DIVIDER LINE
10+42.47	10+99.00	NW RAMP										127.07				ISLAND
8+98.20		NW RAMP												1		LEFT ARROW
8+98.29		NW RAMP												1		RIGHT ARROW
10+17.15		NW RAMP												1		LEFT ARROW
10+16.44		NW RAMP												1		RIGHT ARROW
10+88.51		NW RAMP											14.00			STOP BAR
10+95.82		NW RAMP													5	YIELD LINE
460+30.00		96	WBL										11.00			STOP BAR
460+39.00		96	WBL										11.00			STOP BAR
460+68.00		96	WBL										12.00			STOP BAR
460+30.00	464+36.00	96	WBL							101.50	406.00					LANE LINE/ EDGE LINE
460+39.00	464+00.00	96	WBL								361.00					LANE LINE
460+68.00	463+89.50	96	WBL			321.50										INSIDE EDGE LINE
461+41.16		96	WBL											1		LEFT TURN
462+66.00		96	WBL											1		LEFT TURN
463+81.03		96	WBL											1		LEFT TURN
INTERSECTION- ROUTE 96 & NE RAMP																
4+94.72	10+47.13	NE RAMP									552.41					EDGE LINE
4+95.00	10+70.06	NE RAMP				575.06										INSDIE EDGE LINE
464+70.00	465+12.49	96	WBL									95.48				ISLAND
464+70.46	465+58.16	96	WBL									88.79				DIVIDER LINE
465+12.49	465+58.16	96	WBL										45.86			3-CHEVRONS
464+87.00	465+58.16	96	WBL									71.16				DIVIDER LINE
464+72.15		96	WBL												6	YIELD LINE
464+93.38	473+35.67	96	WBL								842.29					EDGE LINE
464+87.00	466+02.00	96	WBL								115.00					TURN LANE LINE
464+87.00	473+35.67	96	WBL			848.67				212.17						EDGE & SKIP LINE
465+58.16	467+50.98	96	WBL								192.82					TURN LANE LINE
467+50.98	469+99.90	96	WBL						62.23							DOTTED LINE
END DIVIDED HIGHWAY EQUATION STA 473+35.67 BK = STA 461+35.20 AHD																
461+35.20	467+50.00	96	WBL								614.80					EDGE LINE
461+35.20	467+41.00	96	WBL							151.45						LANE SKIP LINE
INTERSECTION- ROUTE 96 & BAKER BLVD.																
468+40.00		96	WBL										22.00			STOP BAR
468+45.00		96	WBL										14.00			STOP BAR
468+40.00	480+65.00	96	WBL								1225.00					EDGE LINE
468+40.00	472+00.72	96	WBL							90.18						LANE SKIP LINE
468+40.00	469+85.00	96	WBL								145.00					LANE LINE
472+66.24	480+61.00	96	WBL							198.69						LANE SKIP LINE
468+90.93		96	WBL											1		LEFT TURN
469+76.59		96	WBL											1		LEFT TURN
INTERSECTION- ROUTE 96 & FRANCIS ST.																
481+75.00		96	WBL										22.00			STOP BAR
481+80.00		96	WBL										14.00			STOP BAR
481+75.00	506+63.03	96	WBL								2488.03					EDGE LINE
481+75.00	482+20.00	96	WBL								45.00					LANE LINE
481+75.00	487+40.19	96	WBL							141.30						LANE SKIP LINE
488+06.22	501+79.67	96	WBL							343.36						LANE SKIP LINE
481+99.84		96	WBL											1		LEFT TURN
483+11.60		96	WBL											1		LEFT TURN
501+97.86	502+22.85	96 LT	McGREGOR										24.99			STOP BAR
502+22.85		96 LT	McGREGOR	140.48												DOUBLE YELLOW
502+73.46	506+63.03	96	WBL							97.39						LANE SKIP LINE
SUBTOTALS (4)				140.48	0.00	0.00	0.00	0.00	0.00	1,022.37	4,517.83	0.00	96.99	4.00	0.00	

SUMMARY OF QUANTITIES
SHEET 8 OF 16

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
JSR0060

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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PAVEMENT MARKING

STA.	STA.	ROUTE	LOCATION	CLASS 2 PAV'T MARKING PAINT (25-MIL, TYPE L BEADS) 4 IN. YELLOW SOLID (LF)	4 IN. YELLOW INTERMIT. (LF)	6 IN. YELLOW SOLID (LF)	12 IN. YELLOW SOLID (LF)	4 IN. WHITE SOLID (LF)	6 IN. WHITE DOT (LF)	6 IN. WHITE INTERMIT. (LF)	6 IN. WHITE SOLID (LF)	12 IN. WHITE SOLID (LF)	PREFORMED THERMOPLASTIC PAV'T MRK 24 IN. WHITE (LF)	LT/RT TURN ARROW (EA)	24 X 36 IN. YIELD TRI. (EA)	REMARKS
INTERSECTION- ROUTE 96 & GARRISON AVE.																
507+74.08		96	WBL										21.00			STOP BAR
507+83.99		96	WBL										13.00			STOP BAR
507+74.08	509+49.99	96	WBL							43.98						LANE SKIP LINE
507+74.08	509+49.99	96	WBL								175.91					LANE LINE
507+74.08	509+49.99	96	WBL								175.91					LANE LINE
508+30.00		96	WBL											1		LEFT TURN
509+41.90		96	WBL											1		LEFT TURN
SUBTOTALS (5)				0.00	0.00	0.00	0.00	0.00	0.00	43.98	351.82	0.00	34.00	2.00	0.00	
SUBTOTALS (1)				1,172.00	0.00	3,988.51	2,292.94	0.00	47.86	734.20	4,386.33	1,316.71	331.95	15.00	11.00	
SUBTOTALS (2)				4,560.70	491.09	0.00	0.00	740.80	0.00	1,014.94	4,343.58	0.00	459.75	13.00	0.00	
SUBTOTALS (3)				1,135.66	0.00	905.03	0.00	228.00	0.00	265.28	1,424.83	0.00	297.50	2.00	0.00	
SUBTOTALS (4)				140.48	0.00	0.00	0.00	0.00	0.00	1,022.37	4,517.83	0.00	96.99	4.00	0.00	
TOTALS				7,009	491	4,894	2,293	969	48	3,081	15,024	1,317	1,220	36	11	

POLE, FOUNDATION & APPURTENANCE FOR 45' MOUNTING HEIGHT

POLE NO.	RTE.	CIRCUIT	STATION	LOCATION	45' M.H. TYPE AT LIGHT POLE DESIGN 1 (EA)	45' M.H. TYPE AT LIGHT POLE DESIGN 2 (EA)	BRACKET ARM 15' (EA)	BRACKET ARM 6' (EA)	LED-B LUMINAIRE (EA)	#10 AWG. CABLE 1 COND. POLE & BRACKET (FT)	POLE FOUNDATION (EA)	REMARKS
1	RTE. 96	1	458+95.00	69.00' RT.	1		1		1	120	1	
2	I49	1	729+35.00	83.00' RT.	1		1		1	120	1	
3	RTE. 96	2	460+70.00	58.00' LT.	1		1		1	120	1	
4	I49 SB OFF RAMP	2	10+00.00	31.50' RT.	1		1		1	120	1	
5	I-49	2	708+75.00	102.00' RT.	1		1		1	120	1	
6	RTE. 96	1	463+75.00	58.00' RT.		1	1		1	120	1	
7	I49 NB OFF RAMP	3	1+49.00	20.00' LT.	1			1	1	102	1	
8	I49	3	726+94.00	93.00' LT.	1		1		1	120	1	
9	RTE. 96	4	465+43.00	75.00' LT.	1		1		1	120	1	
10	I-49	4	708+00.00	86.00' RT.	1		1		1	120	1	
11	RTE. 96	2	458+71.00	58.00' LT.		1	1		1	120	1	
12	RTE. 96	4	466+00.00	58.00' RT.		1	1		1	120	1	
				TOTAL	9	3	11	1	12	1422	12	
				USE	9	3	11	1	12	1430	12	

CONCRETE PULL BOX, STANDARD

PULL BOX	ROUTE	STATION	LOCATION	PULL BOX (EA)	DRAIN TYPE II *INCLUDED	REMARKS
2	I49 SB ON RAMP	2+37.00	13.21' RT.	1	1	
3	I49 SB ON RAMP	7+34.95	13.31' RT.	1	1	
4	I49 SB ON RAMP	2+37.00	27.24' LT.	1	1	
5	RTE. 96	460+85.00	57.20' RT.	1	1	
6	RTE. 96	460+85.00	57.20' LT.	1	1	
7	I49 SB OFF RAMP	10+09.98	27.20' LT.	1	1	
8	I49 SB OFF RAMP	10+10.00	29.05' RT.	1	1	
9	I49 SB OFF RAMP	6+60.00	16.20' RT.	1	1	
10	I49 NB OFF RAMP	1+40.00	27.76' LT.	1	1	
11	I49 NB OFF RAMP	1+68.00	21.73' LT.	1	1	
12	I49 NB OFF RAMP	1+68.00	32.60' RT.	1	1	
13	I49 NB OFF RAMP	6+25.00	13.20' LT.	1	1	
14	RTE. 96	465+65.00	61.73' RT.	1	1	
15	RTE. 96	465+65.00	70.5' LT.	1	1	
16	I49 NB ON RAMP	6+50.00	13.19' LT.	1	1	
			TOTAL	15	* NO SEPARATE PAYMENT WILL BE MADE	
			USE	15		

BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT

STATION	ROUTE	LOCATION	(EA)	BREAKER (AMPS) MAIN	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4
465+10.00	ROUTE 96	84.30' RT	1	100	15	15	15	15
		TOTAL	1					

TYPE 2 POWER SUPPLY, LIGHTING

STATION	ROUTE	LOCATION	(EA)	VOLTS
456+06	ROUTE 96	98.00' RT.	1	240
		TOTAL	1	

SUMMARY OF QUANTITIES
SHEET 9 OF 16

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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.

RIGID CONDUIT, CABLE-CONDUIT & POWER CABLE

CIRCUIT	FROM	TO	CENTER TO CENTER DISTANCE	2" TRENCHED (FT)	4" TRENCHED (FT)	4" PUSHED (FT)	POWER 1C #2 (FT)	1" CABLE-CONDUIT 2 CONDUCTORS (W/1 BARE NEUTRAL) #8 AWG (FT)	CABLE-CONDUIT TRENCHING TYPE I (FT)	TRENCHING TYPE II (FT)	TRENCHING TYPE III (FT)	REMARKS
1	PB2	PB4	40			38						
2	PB5	PB6	114			112						
2	PB7	PB8	56			54						
PWR	SOURCE	PWR	18	16			165					X3 CABLES
PWR	PWR.	CONT.	14	12			90					X3 CABLES
1,2 & 3	CONT.	PB10	66		64							
4	CONT.	PB14	59		57							
1 & 2	PB11	PB12	54			52						
4	PB14	PB15	132			130						
1	CONT.	PB10	66					83				
1	PB10	PB11	29					42		29		
1	PB11	PB12	54					69				
1	PB12	LT6	143					161		143		
1	LT6	PB5	291					317		291		
1	PB5	PB4	235					259		235		
1	PB4	PB2	40					54				
1	PB2	LT1	238					261		238		
1	PB2	PB3	498					535		498		
1	PB3	LT2	499					535		200	299	
2	CONT.	PB10	66					83				
2	PB10	PB11	29					42		29		
2	PB11	PB12	54					69				
2	PB12	PB5	434					468		434		
2	PB5	PB6	114					132				
2	PB6	LT3	15					27	15			
2	LT3	PB7	112					130	112			
2	PB7	PB8	56					71				
2	PB8	LT11	162					181	162			
2	PB8	LT4	11					23	11			
2	LT4	PB9	340					368	340			
2	PB9	LT5	340					368	340			
3	CONT.	PB10	66					83				
3	PB10	LT7	12					24		12		
3	LT7	PB13	482					517		282	200	
3	PB13	LT8	379					409		179	200	
4	CONT.	PB14	59					76				
4	PB14	LT12	35					48	35			
4	PB14	PB15	132					151				
4	PB15	LT9	23					35	23			
4	LT9	PB16	450					484	450			
4	PB16	LT10	463					497	463			
			TOTAL	28	121	386	255	6602	1951	2570	699	
			USE	28	121	386	260	6610	1951	2570	699	

LIGHTING ITEMS - FUNDED BY THE CITY OF CARTHAGE

ITEM	UNIT	QUANTITY
2 INCH RIGID CONDUIT IN TRENCH	L.F.	9502
3 INCH RIGID CONDUIT IN TRENCH	L.F.	898
PULL BOX-STANDARD CONCRETE	EACH	28
REMOVAL OF CONTINOUS LIGHTING SYSTEM	L.S.	1
INSTALLATION OF POLE FOUNDATION (30-FT MOUNTING HEIGHT)	EACH	60

SUMMARY OF QUANTITIES
SHEET 10 OF 16

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

DATE PREPARED
10/13/2026

ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. -

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRECAST STORM STRUCTURES

NODE ID	LOCATION	STA	OFFSET	TYPE D DROP INLET 2X2 (LF)	TYPE D DROP INLET 2X3 (LF)	TYPE D DROP INLET 2X4 (LF)	TYPE D DROP INLET 2X5 (LF)	TYPE D DROP INLET 4X2 (LF)	TYPE D DROP INLET 3X2.5 (LF)	TYPE T DROP INLET 2.5X3 (LF)	TYPE T DROP INLET 5X3 (LF)	TYPE T DROP INLET 5X3.5 (LF)	CURVED VANE GRATE AND FRAME 2X2 (EACH)	CURVED VANE GRATE AND FRAME 4X2 (EACH)	COMBO GRATE AND CURB BOX 2X3 (EACH)	M.H. FRAME AND COVER TYPE 3 (EACH)	CL. 3 EXC (CY)	PIPE OPENING (#-SIZE)	REMARKS
RTE. 96 MEDIAN AREA WEST OF I-49 OUTFALLS AT STA. 455+00.64 AND 459+00.00 LEFT																			
455DIL1	?96	455+00.64	11.49 LT			1.75								1			5	1-15",1-18"H.E.	MEDIAN INLET
455DIR2	?96	455+25.00	1.00 RT	2.08									1				3	1-15"	
457DIR2	?96	457+25.00	1.00 RT	2.02									1				3	2-15"	
457DIL1	?96	457+25.00	1.00 LT	2.22									1				3	2-15"	
458DIL1	?96	458+85.00	1.25 LT			3.08								1			5	2-15",1-24"	
459DIL1	?96	459+46.00	1.00 LT	1.54									1				2	2-15"	
459DIR2	?96	459+46.00	1.00 RT	1.34									1				2	1-15"	
458DIR2	?96	458+85.00	1.00 RT	2.28									1				3	1-15"	
FRANCIS STREET AREA STORM SEWER OUTFALL OUTFALL AT 481+45.00 LT																			
482DIR1	CONST. B.L.	482+72.00	31.50 RT							3.98						1	6	1-15"	
481DIR1	CONST. B.L.	481+98.00	31.50 RT							4.14						1	6	1-15",1-18"	
481DIR2	CONST. B.L.	481+67.00	31.50 RT		2.83								1				5	2-18"	
481DIL1	FRANCIS ST.	2+41.00	24.76 RT		2.41								1				4	2-24"	
481DIR7	FRANCIS ST.	4+15.00	19.5 RT	2.75									1				4	1-15"	
481DIR2	CONST. B.L.	481+67.00	31.50 RT	2.78									1				4	1-15",1-18"	
481DIR3	FRANCIS ST.	4+03.78	19.35 LT	2.94									1				7	1-15",1-18",1'x2'	
481DIR6	FRANCIS ST.	4+00.50	19.40 LT	2.94									1					1-18",1'x2'	COMBINED WITH 481DIR4
481DIR4	FRANCIS ST.	4+48.50	19.50 LT	2.54									1				6	1'x2'	
481DIR5	FRANCIS ST.	4+45.50	19.50 LT	2.54									1					1-15",1'x2'	COMBINED WITH 481DIR4
481DIL2	CONST. B.L.	481+98.00	31.50 LT							4.14						1	7	1-15"	
CENTER STREET AREA STORM SEWER OUTFALL AT STA. 471+70.80 LT																			
480DIR1	CONST. B.L.	480+35.00	31.50 RT							3.96						1	6	1-15"	
479DIR2	CONST. B.L.	479+79.00	31.50 RT	2.58													4	2-15"	
479DIR1	CONST. B.L.	479+00.00	31.50 RT							4.39						1	7	2-15"	
478DIR1	CONST. B.L.	478+25.00	31.50 RT							9.32						1	12	1-15",1-18"	TYPE T INLET OPENING LENGTH 5.0'
476DIR1	CONST. B.L.	476+85.00	31.50 RT							21.6						1	23	1-18",1-24"	TYPE T INLET OPENING LENGTH 10.0'
476DIL1	CONST. B.L.	476+71.80	31.50 LT								6.37					1	14	1-15",1-24",1-30"	
476DIR4	CONST. B.L.	476+17.37	64.05 RT	2.23													3	1-12"	ON CENTER STREET
476DIR2	CONST. B.L.	476+15.57	55.50 RT								4					1	9	1-12",1-24"H.E.	ON CENTER STREET
476DIR3	CONST. B.L.	476+15.64	56.48 RT								5					1	12	1-24",1-24"H.E.	ON CENTER STREET
477DIL1	CONST. B.L.	477+35.00	31.50 LT							4.08						1	6	1-15"	
FLORENCE STREET AREA STORM SEWER OUTFALL STA. 472+09.51 LT																			
474DIR1	CONST. B.L.	474+50.00	31.50 RT	2.46									1				4	1-15"	
473DIR2	CONST. B.L.	473+79.00	31.50 RT	2.58									1				4	2-15"	
473DIR1	CONST. B.L.	473+28.00	31.50 RT							12.6						1	15	1-15",1-18"	TYPE T INLET OPENING LENGTH 7.5'
472DIR3	CONST. B.L.	472+68.00	31.50 RT	2.8									1				4	2-18"	
471DIR1	CONST. B.L.	471+98.00	31.50 RT								4.66					1	10	1-12",1-18",1-30"H.E.	
471DIL1	CONST. B.L.	471+98.00	31.50 LT								5.1					1	11	1-15",1-24",1-30"H.E.	
472DIR2	CONST. B.L.	472+48.70	49.84 RT	2.07									1				3	1-12"	ON FLORENCE STEET
472DIR1	CONST. B.L.	472+18.23	48.62 RT	2.41									1				4	2-12"	ON FLORENCE STEET
472DIL1	CONST. B.L.	472+85.00	31.50 LT							8.14						1	10	1-15"	TYPE T INLET OPENING LENGTH 5.0'
BLANCHE STREET TO UNDER RR BRIDGE AREA RIGHT SIDE TO OUTFALL AT STA. 493+69.38 LT																			
485DI10	CONST. B.L.	485+94.90	31.5 RT	3.44									1				4	1-12"	
487DI9	CONST. B.L.	487+38.20	31.5 RT	3.39									1				4	2-12"	
488DI8	CONST. B.L.	488+08.00	31.5 RT	3.74									1				4	2-15"	
489DI7	CONST. B.L.	489+44.00	31.5RT	3.54									1				4	2-15"	
490DI6	CONST. B.L.	490+60.00	31.5 RT	3.53									1				4	2-15"	
491DI5	CONST. B.L.	491+52.00	30.0 RT	3.54									1				4	2-15"	
492DI4	CONST. B.L.	492+61.00	30.0 RT	3.61									1				4	2-15"	
493T3	CONST. B.L.	493+69.35	30.00 RT														10	1-15",1-30"	
494T23	CONST. B.L.	494+21.65	30.0 RT							10.32						1	12	1-15"	TYPE T INLET OPENING LENGTH 7.5'
494DI24	CONST. B.L.	494+35.75	30.0 RT						3.07						1		4	2-15"	
494DI25	CONST. B.L.	494+40.94	30.0 RT						3.07						1		4	1-15"	
494DI26	CONST. B.L.	494+46.26	30.0 RT						3.07						1		4	2-15"	
494T27	CONST. B.L.	494+60.81	30.0 RT							10.32						1	10	2-15"	TYPE T INLET OPENING LENGTH 7.5'
494DI28	CONST. B.L.	494+75.29	30.0 RT		3.44								1				4	1-15"	
SOUTH LEG OF BLANCHE STREET AREA TIES TO RIGHT SIDE OF RTE. 96 FROM BLANCHE STREET TO UNDER RR BRIDGE																			
005DI14	CONST. B.L.	5+50.00	15.5 LT	3.42									1				4	1-12",1-15"	
005DI13	CONST. B.L.	5+50.00	15.5 RT	3.57									1				4	2-15"	
SUBTOTALS CARRIED TO NEXT SHEET				76.88	8.68	4.83	0	0	9.21	96.99	25.13	0	29	2	3	17	320		

SUMMARY OF QUANTITIES
SHEET 11 OF 16

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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.

PRECAST STORM STRUCTURES CONTINUED

NODE ID	LOCATION	STA	OFFSET	TYPE D DROP INLET 2X2 (LF)	TYPE D DROP INLET 2X3 (LF)	TYPE D DROP INLET 2X4 (LF)	TYPE D DROP INLET 2X5 (LF)	TYPE D DROP INLET 4X2 (LF)	TYPE D DROP INLET 3x2.5 (LF)	TYPE T DROP INLET 2.5X3 (LF)	TYPE T DROP INLET 5X3 (LF)	TYPE T DROP INLET 5X3.5 (LF)	CURVED VANE GRATE AND FRAME 2X2 (EACH)	CURVED VANE GRATE AND FRAME 4X2 (EACH)	COMBO GRATE AND CURB BOX 2X3 (EACH)	M.H. FRAME AND COVER TYPE 3 (EACH)	CL. 3 EXC (CY)	PIPE OPENING (#-SIZE)	REMARKS
BLANCHE STREET TO UNDER RR BRIDGE AREA LEFT SIDE TO OUTFALL AT STA. 493+69.38 LT																			
489DI29	CONST. B.L.	489+44.00	31.5 LT	3.46									1				4	1-15"	
491DI12	CONST. B.L.	491+16.11	30.0 LT	3.6									1				4	2-15"	
492DI11	CONST. B.L.	492+91.61	30.0 LT	3.54									1				4	2-15"	
493T2	CONST. B.L.	493+59.36	30.0 LT								5.37					1	11	1-15",1-30",1-36"	
494T17	CONST. B.L.	494+10.50	30.0 LT							14.16						1	15	1-18",1-24"	TYPE T INLET OPENING LENGTH 7.5'
494DI18	CONST. B.L.	494+35.82	30.0 LT						3.54						1		5	2-15",1-18"	
494DI19	CONST. B.L.	494+41.02	30.0 LT						3.24						1		4	3-15"	
494DI20	CONST. B.L.	494+46.24	30.0 LT						3.26						1		5	3-15"	
494T21	CONST. B.L.	494+56.45	30.0 LT							10.35						1	12	2-15"	TYPE T INLET OPENING LENGTH 7.5'
494DI22	CONST. B.L.	494+71.20	30.0 LT		3.44								1				4	1-15"	
RTE 96 EAST OF RR BRIDGE TO GARRISION STREET LEFT SIDE TO OUTFALL AT EXISTING 12'X4' REINFORCED BOX CULVERT STA. 496+81.50 LT																			
496DIL1	CONST. B.L.	497+02.00	30.00 LT				6.51						1				14	2-36"	
497DIL2	CONST. B.L.	497+74.00	30.50 LT			6.42							1				12	2-36"	
498DIL1	CONST. B.L.	498+42.00	31.50 LT			5.27							1				10	1-30",1-36"	
499DIL1	CONST. B.L.	499+10.00	31.50 LT			3.85							1				7	2-30"	
500DIL1	CONST. B.L.	500+05.00	31.50 LT			3.86							1				8	2-30"	
500DIL2	CONST. B.L.	500+86.00	31.50 LT			3.86							1				8	2-30"	
501DIL2	CONST. B.L.	501+74.00	31.50 LT									5.55				1	11	1-18",2-30"	
502DIL4	CONST. B.L.	502+76.00	31.50 LT									5.46				1	11	1-24",2-30"	
504DIL1	CONST. B.L.	504+00.00	32.50 LT		3.24								1				6	2-24"	
504DIL2	CONST. B.L.	504+27.05	33.50 LT		3.29								1				6	1-15",2-24"	
504DIL3	CONST. B.L.	504+45.00	33.50 LT		3.17								1				6	2-24"	
505DIL1	CONST. B.L.	505+08.17	33.50 LT		3.3								1				6	2-24"	
505DIL2	CONST. B.L.	505+63.92	33.50 LT		3.32								1				6	2-24"	
506DIL4	CONST. B.L.	506+77.20	33.50 LT		3.45								1				6	2-24"	
507DIL2	CONST. B.L.	507+70.40	32.50 LT	2.77									1				4	1-15"	
RTE 96 EAST OF RR BRIDGE TO GARRISION STREET RIGHT SIDE TO OUTFALL AT EXISTING 12'X4' REINFORCED BOX CULVERT STA. 496+81.50 RT																			
497DIR1	CONST. B.L.	497+00.00	30.00 RT			4.16							1				8	2-24"	
497DIR2	CONST. B.L.	497+75.00	30.50 RT		5.3								1				9	2-24"	
498DIR1	CONST. B.L.	498+75.00	31.50 RT		3.19								1				6	1-18",1-24"	
499DIR1	CONST. B.L.	499+75.00	31.50 RT	2.83									1				4	2-18"	
500DIR1	CONST. B.L.	500+50.00	31.50 RT	2.88									1				4	2-18"	
501DIR1	CONST. B.L.	501+25.00	31.50 RT	2.58									1				4	1-15",1-18"	
502DIR1	CONST. B.L.	502+75.00	29.50 RT	2.57									1				4	2-15"	
505DIR1	CONST. B.L.	505+00.00	29.50 RT	2.53									1				4	2-15"	
505DIR2	CONST. B.L.	505+50.00	29.50 RT	2.87									1				4	1-15"	
NORTH MCGREGOR STREET TIES TO SYSTEM LEADING TO OUTFALL AT EXISTING 12'X4' REINFORCED BOX CULVERT STA. 496+81.50 LT																			
501DIL1	CONST. B.L.	501+94.75	48.28 LT		2.4								1				4	1-15",1-18"	
501DIL3	CONST. B.L.	501+97.18	115.69 LT	2.44									1				4	1-15"	
502DIL3	CONST. B.L.	502+55.88	51.51 LT			2.79							1				6	1-15",1-18"	
502DIL2	CONST. B.L.	502+56.42	113.17 LT	2.57									1				4	2-15"	
NORTH ALLEY TIES TO SYSTEM LEADING TO OUTFALL AT EXISTING 12'X4' REINFORCED BOX CULVERT STA. 496+81.50 LT																			
504DIL1	CONST. B.L.	504+77.69	49.73 LT					2.94						1			6	1-15"	
NORTH GARRISON TIES TO SYSTEM LEADING TO OUTFALL AT EXISTING 12'X4' REINFORCED BOX CULVERT STA. 496+81.50 LT																			
506DIL3	CONST. B.L.	506+96.90	50.63 LT	2.53									1				4	2-15"	
506DIL2	CONST. B.L.	506+98.87	92.60 LT	2.58									1				4	1-15"	
507DIL1	CONST. B.L.	507+48.13	50.39 LT	3.11									1				5	1-15"	
SUBTOTALS FROM THIS SHEET				42.86	34.1	30.21	6.51	2.94	10.04	24.51	5.37	11.01	33	1	3	5	273		
SUBTOTALS CARRIED FROM PREVIOUS SHEET				76.88	8.68	4.83	0	0	9.21	96.99	25.13	0	29	2	3	17	320		
TOTALS				119.74	42.78	35.04	6.51	2.94	19.25	121.5	30.5	11.01	62	3	6	22	593		
SUBTOTAL CARRIED TO CAST IN PLACE MH																22			
SUBTOTAL CARRIED TO PIPE FOR STORM SEWER																	593		
USE				120	43	35	7	3	19	122	31	11	62	3	6				

SUMMARY OF QUANTITIES
SHEET 12 OF 16

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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.

PIPE STORM SEWER

LOCATION	FROM NODE ID	STATION	OFFSET	TO NODE ID	STATION	OFFSET	GROUP A (SMOOTH) PIPE 12 IN (LF)	15 IN (LF)	18 IN (LF)	18 IN HOR. ELLIP. (LF)	24 IN (LF)	24 IN HOR. ELLIP. (LF)	30IN (LF)	30 IN HOR. ELLIP. (LF)	36 IN (LF)	PIPE COLLAR EA	CL. 3 EXC (CY)	REMARKS
RTE. 96 MEDIAN AREA WEST OF I-49 OUTFALLS AT STA. 455+00.64 LEFT																		
?96	TYPE S HEADWALL	452+61	12.2 LT	455DIL1	455+00.64	11.49 LT				239							79	
RTE. 96 MEDIAN AREA WEST OF I-49 OUTFALLS AT STA. 459+00.00 LEFT																		
?96	455DIR2	455+25.00	1.00 RT	457DIR2	457+25.00	1.00 RT		198									82	
?96	457DIR2	457+25.00	1.00 RT	457DIL1	457+25.00	1.00 LT		2									0	
?96	457DIL1	457+25.00	1.00 LT	458DIL1	458+85.00	1.00 LT		198									71	
?96	458DIR2	458+85.00	1.00 RT	458DIL1	458+85.00	1.00 LT		2									0	
?96	458DIL1	458+85.00	1.00 LT	459MHL1	459+00.00	5.00 LT					12						6	
?96	459MHL1	459+00.00	5.00 LT	459IL1	459+46.00	1.00 LT		43									16	
?96	459DIL1	459+46.00	1.00 LT	459DIR2	459+46.00	1.00 RT		2									0	
FLORENCE STREET AREA STORM SEWER OUTFALL STA. 472+09.51 LT																		
CONST. B.L.	471DIL1	471+98.00	31.50 LT	471DIR1	471+98.00	31.500 RT								64			56	
CONST. B.L.	471DIL1	471+98.00	31.50 LT	472MHL1	472+09.51	54.42 LT					20						18	
CONST. B.L.	471DIL1	471+98.00	31.50 LT	472DIL1	472+85.00	31.50 LT		82									41	
CONST. B.L.	471DIR1	471+98.00	31.500 RT	472DIR1	472+18.23	48.62 RT	26										14	
CONST. B.L.	472DIR1	472+18.23	48.62 RT	472DIR2	472+48.70	49.84 RT	29										10	
CONST. B.L.	471DIR1	471+98.00	31.500 RT	472DIR3	472+68.00	31.50 RT			67								35	
CONST. B.L.	472DIR3	472+68.00	31.500 RT	473DIR1	473+28.00	31.50 RT			55								31	
CONST. B.L.	473DIR1	473+28.00	31.50 RT	473DIR2	473+79.00	31.50 RT		46									22	
CONST. B.L.	473DIR2	473+79.00	31.50 RT	474DIR1	474+50.00	31.50 RT		69									29	
CENTER STREET AREA STORM SEWER OUTFALL AT STA. 471+70.80 LT																		
CONST. B.L.	476DIR4	476+17.37	64.05 RT	476DIR2	476+15.57	55.50 RT	12										1	
CONST. B.L.	476DIR2	476+15.57	55.50 RT	476DIR3	476+15.64	56.48 RT						42					27	
CONST. B.L.	476DIR3	476+15.64	56.48 RT	476MHR1	476+71.80	35.09 RT					22						22	
CONST. B.L.	476MHR1	476+71.80	35.09 RT	476DIR1	476+85.00	31.50 RT					6						2	
CONST. B.L.	476DIR1	476+85.00	31.50 RT	478DIR1	478+25.00	31.50 RT			131								100	
CONST. B.L.	478DIR1	478+25.00	31.50 RT	479DIR1	479+00.00	31.50 RT		71									45	
CONST. B.L.	479DIR1	479+00.00	31.50 RT	479DIR2	479+79.00	31.50 RT		77									41	
CONST. B.L.	479DIR2	479+79.00	31.50 RT	480DIR1	480+35.00	31.50 RT		54									26	
CONST. B.L.	476DIL1	476+71.80	31.50 LT	476MHR1	476+71.80	35.09 RT					66						60	
CONST. B.L.	476DIL1	476+71.80	31.50 LT	477DIL1	477+35.00	31.50 LT		60									40	
FRANCIS STREET AREA STORM SEWER OUTFALL OUTFALL AT 481+45.00 LT																		
FRANCIS B.L.	481DIR7	4+15.00	19.5 RT	480DIR2	4+04.23	20.79 RT		7									1	
FRANCIS B.L.	480DIR2	4+04.23	20.79 RT	481DIR3	4+03.78	19.35 LT			37								17	
FRANCIS B.L.	481DIR4	4+48.50	19.50 LT	481DIR5	4+45.50	19.50 LT											0	
FRANCIS B.L.	481DIR5	4+45.50	19.50 LT	481DIR3	4+03.78	19.35 LT		42									15	
FRANCIS B.L.	481DIR3	4+03.78	19.35 LT	481DIR6	4+00.50	19.40 LT											0	
FRANCIS B.L.	481DIR6	4+00.50	19.40 LT	481MHR1	481+43.41	33.86 RT			20								8	
CONST. B.L.	481MHR1	481+43.41	33.86 RT	481DIR2	481+67.00	31.50 RT			22								9	
CONST. B.L.	481DIR2	481+67.00	31.50 RT	481DIR1	481+98.00	31.50 RT			29								14	
CONST. B.L.	481DIR1	481+98.00	31.50 RT	482DIR1	482+72.00	31.50 RT		72									38	
CONST. B.L.	481MHR1	481+43.41	33.86 RT	481MHL1	481+43.41	34.41 LT					65						53	
CONST. B.L.	481MHL1	481+43.41	34.41 LT	481DIL1	2+41.00	24.76 RT					68						50	
FRANCIS B.L.	481DIL1	2+41.00	24.76 RT	PIPE COLLAR	2+34.05	23.66 LT					6					1	6	
CONST. B.L.	481MHL1	481+43.41	34.41 LT	481DIL2	481+98.00	31.50 LT		52									25	
BLANCHE STREET TO UNDER RR BRIDGE AREA TO OUTFALL AT STA. 493+69.38 LEFT																		
CONST. B.L.	485DI10	485+94.90	31.50 RT	487DI9	487+38.20	31.50 RT	141										37	
CONST. B.L.	487DI9	487+38.20	31.50 RT	487MH1	487+89.69	30.50RT	49										12	
CONST. B.L.	PIPE COLLAR			005DIL14	5+50.00	15.50 RT	4									1	12	
CONST. B.L.	005DIL14	5+50.00	15.50 RT	005DIL13	5+50.00	15.50 LT		27									9	487+57.69; 49.90 RT
CONST. B.L.	005DIL13	5+50.00	15.50 LT	487MH1	487+89.69	30.50 RT		17									5	
CONST. B.L.	487MH1	487+89.69	30.50 RT	488DI8	488+08.00	31.50 RT		15									5	
CONST. B.L.	488DI8	488+08.00	31.50 RT	489DI7	489+44.00	31.50 RT		134									58	
CONST. B.L.	489DI7	489+44.00	31.50 RT	490DI6	490+60.00	30.00 RT		114									40	
CONST. B.L.	490DI6	490+60.00	30.00 RT	491DI5	491+52.00	30.00 RT		90									31	
CONST. B.L.	491DI5	491+52.00	30.00 RT	492DI4	492+61.00	30.00 RT		107									38	
CONST. B.L.	492DI4	492+61.00	30.00 RT	493T3	493+69.35	30.00 RT		105									36	
CONST. B.L.	493T3	493+69.35	30.00 RT	493T2	493+69.36	30.00 LT							61				44	
SUBTOTALS CARRIED TO NEXT SHEET							261	1686	361	239	265	42	61	64	0	2	1437	

SUMMARY OF QUANTITIES
SHEET 13 OF 16

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

DATE PREPARED
9/30/2026

ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
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BRIDGE NO. -

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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Engineering beyond.

PIPE STORM SEWER

LOCATION	FROM NODE ID	STATION	OFFSET	TO NODE ID	STATION	OFFSET	GROUP A (SMOOTH) PIPE 12 IN (LF)	15 IN (LF)	18 IN (LF)	18 IN HOR. ELLIP. (LF)	24 IN (LF)	24 IN HOR. ELLIP. (LF)	30IN (LF)	30 IN HOR. ELLIP. (LF)	36 IN (LF)	PIPE COLLAR EA	CL. 3 EXC (CY)	REMARKS
BLANCHE STREET TO UNDER RR BRIDGE AREA TO OUTFALL AT STA. 493+69.38 LEFT CONTINUED																		
CONST. B.L.	494T23	494+21.65	30.00 RT	494DI24	494+35.76	30.00 RT		9									1.7	
CONST. B.L.	494DI24	494+35.76	30.00 RT	494DI18	494+35.82	30.00 LT		58									22	
CONST. B.L.	494DI25	494+40.94	30.00 RT	494DI19	494+41.02	30.00 LT		56									21	
CONST. B.L.	494DI26	494+46.26	30.00 RT	494DI20	494+46.24	30.00 LT		58.0									21.8	
CONST. B.L.	494DI26	494+46.26	30.00 RT	494T27	494+60.81	30.00 RT		9									1.8	
CONST. B.L.	494T27	494+60.81	30.00 RT	494DI28	494+75.29	30.00 RT		15									3.9	
CONST. B.L.	489DI29	489+44.00	31.50 LT	491DI12	491+16.11	30.00 LT		170									60.7	
CONST. B.L.	491DI12	491+16.11	30.00 LT	492DI11	492+91.61	30.00 LT		174									60.6	
CONST. B.L.	492DI11	492+91.61	30.00 LT	493T2	493+69.36	30.00 LT		76									27	
CONST. B.L.	493T2	493+69.36	30.00 LT	493MH1	493+69.38	50.00 LT									18		27.7	
CONST. B.L.	493MH1	493+69.38	50.00 LT	PIPE COLLAR	493+69.39	56.04 LT									4	1	10.4	
CONST. B.L.	493MH1	493+69.38	50.00 LT	494T17	494+10.50	30.00 LT					39						59	
CONST. B.L.	494T17	494+10.50	30.00 LT	494DI18	494+35.82	30.00 LT												
CONST. B.L.	494DI18	494+35.82	30.00 LT	494DI19	494+41.02	30.00 LT		2									0	
CONST. B.L.	494DI19	494+41.02	30.00 LT	494DI20	494+46.24	30.00 LT		2									0	
CONST. B.L.	494DI20	494+46.24	30.00 LT	494T21	494+56.45	30.00 LT												
CONST. B.L.	494T21	494+56.45	30.00 LT	494DI22	494+71.20	30.00 LT		10									1.9	
RTE 96 EAST OF RR BRIDGE TO GARRISION STREET AND SIDE STREETS TO OUTFALL AT EXISTING 12'X4' REINFORCED BOX CULVERT STA. 496+81.50																		
CONST. B.L. DOUBLE 12'X4' CONN		496+81.50	EXISTING	496DIL1	497+02.00	30.00 LT									26		40	
CONST. B.L.	496DIL1	497+02.00	30.00 LT	497DIL2	497+74.00	30.50 LT									71		107.4	
CONST. B.L.	497DIL2	497+74.00	30.50 LT	498DIL1	498+42.00	31.50 LT									66		97.9	
CONST. B.L.	498DIL1	498+42.00	31.50 LT	499DIL1	499+10.00	31.50 LT							66				66	
CONST. B.L.	499DIL1	499+10.00	31.50 LT	500DIL1	500+05.00	31.50 LT							93				84.6	
CONST. B.L.	500DIL1	500+05.00	31.50 LT	500DIL2	500+86.00	31.50 LT							79				71.3	
CONST. B.L.	500DIL2	500+86.00	31.50 LT	501DIL2	501+74.00	31.50 LT							85				77.3	
CONST. B.L.	501DIL2	501+74.00	31.50 LT	502DIL4	502+76.00	31.50 LT							98				89.9	
CONST. B.L.	502DIL4	502+76.00	31.50 LT	504DIL1	504+00.00	32.50 LT							121				98.4	
CONST. B.L.	504DIL1	504+00.00	32.50 LT	504DIL2	504+27.05	33.50 LT					25						15.6	
CONST. B.L.	504DIL2	504+27.05	33.50 LT	504DIL3	504+45.00	33.50 LT					16						8.6	
CONST. B.L.	504DIL3	504+45.00	33.50 LT	504MHL1	504+78.00	36.00 LT					31						19.6	
CONST. B.L.	504MHL1	504+78.00	36.00 LT	505DIL1	505+08.17	33.50 LT					28						17.8	
CONST. B.L.	505DIL1	505+08.17	33.50 LT	505DIL2	505+63.92	33.50 LT					54						36.3	
CONST. B.L.	505DIL2	505+63.92	33.50 LT	506DIL4	506+77.20	33.50 LT					112						80.3	
CONST. B.L.	506DIL4	506+77.20	33.50 LT	506MHL1	506+94.70	33.38 LT					15						8.5	
CONST. B.L.	506MHL1	506+94.70	33.38 LT	507MHL1	507+46.77	32.28 LT					49						35.7	
CONST. B.L.	507MHL1	507+46.77	32.28 LT	507DIL2	507+70.40	32.50 LT		21									9.5	
CONST. B.L.	501DIL2	501+74.00	31.50 LT	501DIL1	501+94.75	48.28 LT		25									14.6	
CONST. B.L.	501DIL1	501+94.75	48.28 LT	501DIL3	501+97.18	115.69 LT		66									28.6	
CONST. B.L.	502DIL4	502+76.00	31.50 LT	502DIL3	502+55.88	51.51 LT			27								18.4	
CONST. B.L.	502DIL3	502+55.88	51.51 LT	502DIL2	502+56.42	113.17 LT		60									26.6	
CONST. B.L.	502DIL2	507+70.40	32.50 LT	PIPE COLLAR	504+54.00	117.88 LT		4								1	5.1	
CONST. B.L.	504MHL1	506+94.70	33.38 LT	504DIL4	504+77.69	49.73 LT		11									3.9	
CONST. B.L.	506MHL1	507+46.77	32.28 LT	506DIL3	506+96.90	50.63 LT		15									5.3	
CONST. B.L.	506DIL3	506+96.90	50.63 LT	506DIL2	506+98.87	92.60 LT		41									15.8	
CONST. B.L.	507MHL1	504+78.00	36.00 LT	507DIL1	507+48.13	50.39 LT		16									6.1	
CONST. B.L. DOUBLE 12'X4' CONN		496+81.50	EXISTING	497DIR1	497+00.00	30.00 RT					22						14.6	
CONST. B.L.	497DIR1	497+00.00	30.00 RT	497DIR2	497+75.00	30.50 RT					24						61.2	
CONST. B.L.	497DIR2	497+75.00	30.50 RT	498DIR1	498+75.00	31.50 RT					98						74.6	
CONST. B.L.	498DIR1	498+75.00	31.50 RT	499DIR1	499+75.00	31.50 RT			98								49.5	
CONST. B.L.	499DIR1	499+75.00	31.50 RT	500DIR1	500+50.00	31.50 RT			73								36.6	
CONST. B.L.	500DIR1	500+50.00	31.50 RT	501DIR1	501+25.00	31.50 RT			73								34.7	
CONST. B.L.	501DIR1	501+25.00	31.50 RT	502DIR1	502+75.00	29.50 RT		150									63.7	
CONST. B.L.	502DIR1	502+75.00	29.50 RT	505DIR1	505+00.00	29.50 RT		223									85.6	
CONST. B.L.	505DIR1	505+00.00	29.50 RT	505DIR2	505+50.00	29.50 RT		48									20.9	
SUBTOTALS THIS SHEET							0	1319	271	0	513	0	542	0	185	2	1850	
SUBTOTALS CARRIED FROM PREVIOUS SHEET							261	1686	361	239	265	42	61	64	0	2	1437	
PIPE AND EXCAVATION SUBTOTALS CARRIED FROM CROSS-ROAD CULVERTS											314						280	
EXCAVATION SUBTOTAL CARRIED FROM CAST IN PLACE STORM STRUCTURES																	121	
USE							261	3005	632	239	1092	42	603	64	185	4	3688	

SUMMARY OF QUANTITIES
SHEET 14 OF 16

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
JASPER

JOB NO.
JSR0060

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.

CAST IN PLACE STORM STRUCTURES

NODE ID	LOCATION	STA	OFFSET	"D"	MANHOLES 3.5 X 3.5 CONCRETE CY	MANHOLES 3.5 X 3.5 STEEL LBS	MANHOLES 4.0 X 4.0 CONCRETE CY	MANHOLES 4.0 X 4.0 STEEL LBS	MANHOLES 4.0 X 5.0 CONCRETE CY	MANHOLES 4.0 X 5.0 STEEL LBS	TYPE S HEADWALL CONCRETE CY	TYPE S HEADWALL STEEL LBS	MANHOLE FRAME AND COVER TYPE 1B (EACH)	MANHOLE FRAME AND COVER TYPE 3 (EACH)	GRATE AND BEARING PLATE 5X2 (EACH)	CL. 3 EXC (CY)	PIPE OPENING (#-SIZE)	REMARKS
TYPE S HEADWALL	?96	452+61.00	12.20 LT								1.8	80			1	4	1-18"H.E.	
459MHL1	?96	459+00.00	5.00 LT	6.56					2.9	350			1			18	1-15",1-24",2-48"	
472MHL1	CONST. B.L.	472+09.51	52.40 LT	5.75	2.6	260								1		13	2-24"	ON FLORENCE STREET
476MHR1	CONST. B.L.	476+71.80	35.09 RT	6	2.6	980								1		14	3-24"	CENTER
481MHL1	CONST. B.L.	481+43.41	34.41 LT	4.25	2.0	220							1			8	1-15",2-24"	FRANCIS
481MHR1	CONST. B.L.	481+43.41	34.41 RT	4	2.0	210							1			8	2-18",1-24"	FRANCIS
487MH1	CONST. B.L.	487+89.69	31.50 RT	4	1.8	190							1			6	1-12",2-15"	BLANCHE
493MH1	CONST. B.L.	493+69.38	50.00 LT	10.5			4.6	420					1			25	1-24",2-36"	RR OUTFALL
504MHL1	CONST. B.L.	504+78.00	36.00 LT	4.25	2.0	230							1			9	1-15"2-24"	ALLEY
506MHL1	CONST. B.L.	506+94.70	32.28 LT	4	2.0	210							1			9	1-15"2-24"	GARRISON
507MHL1	CONST. B.L.	50746.77	32.28 LT	4	1.7	170							1			7	2-15",1-24"	GARRISON
			SUBTOTALS FROM THIS SHEET		16.7	2470	4.6	420	2.9	350	1.8	80	8	2	1	121		
			SUBTOTALS CARRIED FROM PRECAST STRUCTURES											22				
			SUBTOTAL CARRIED TO PIPE FOR STORM SEWER													121		
			TOTALS FOR CLASS B CONCRETE AND REINFORCING STEEL		TOTAL CONCRETE		TOTAL STEEL											
					26.0		3320											
				USE	26.0		3320						8	24	1			

PIPE CULVERT

ROUTE	STA	SKEW	GROUP A PIPE 24"(18") (LF)	GROUP A F.E.S. 24"(18") (EA)	CL. 3 EXC (CY)	ROCK LINING (CY)	PAVED DITCH (SY)	REMARKS
RAMP 1	10+08.00	NO SKEW	62	2	42	3		GRADE DITCH TO DRAIN.
RAMP 2	10+46.50	25° 20' 00" L.A.	108	2	144		9.5	
RAMP 3	1+12.00	NO SKEW	72	2	48	3		GRADE DITCH TO DRAIN.
RAMP 4	1+00.00	NO SKEW	72	2	46		28	
		SUBTOTAL THIS TABLE	314	8	280	6	37.5	
		SUBTOTAL TRANSFER TO PIPE FOR STORM SEWER	314		280			
		USE		8		6	37.5	

SUMMARY OF QUANTITIES
SHEET 15 OF 16

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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.

WARNING SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
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	15	270.00				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	3	48.00				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	3	48.00				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	3	15.00				NEXT 2 MILES (PLAQUE)
WO8-1	48X48	16.00	2	32.00				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	2	32.00				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						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	24	384.00				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	2	32.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	2	32.00				RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32.00				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	2	4.38				WET PAINT (ARROW PIVOTS)

GUIDE SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00	2	24.00				EXIT CLOSED
GO20-1	60X24	10.00	3	30.00				ROAD WORK NEXT 2 MILES
GO20-2	48X24	8.00	3	24.00				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						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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
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	10	120.00				SPEED LIMIT (5@25 - 5@35)
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00	2	32.00				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	2	12.50				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	2	24.00				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	8	16.00				SIDEWALK CLOSED
R9-11L	24X18	3.00	2	6.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	2	6.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	14	140.00				ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	5	62.50				ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)

MISCELLANEOUS SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	3	96.00				POINT OF PRESENCE
CONST-8	48X36	12.00	3	36.00				WORK ZONE NO PHONE ZONE
CONST-DR	A72X36	18.00	44	792.00				DETOUR ROUE ASSEMBLY

616-10.05 CONSTRUCTION SIGNS	TOTAL 2431

616-10.10 RELOCATED SIGNS	TOTAL

EFFECTIVE: 07-01-2025

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009	2	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	2	IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	2	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	160	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	17	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040	4	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	12	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	3175	TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A	2	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B	7575	RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400	1	TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	10	ADA COMPLIANT MOVEABLE BARRICADE
4011209	1728 TONS	BITUMINOUS PAVEMENT MIXTURE PG 64-22 (BP-1 AS APPROVED BY ENGINEER) TEMP SURF

SUMMARY OF QUANTITIES
SHEET 16 OF 16

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 3
COUNTY JASPER
JOB NO. JSR0060
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

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

MATCHLINE STA. 446+20.00

MATCHLINE STA. 451+60.00

447

℄ ROUTE 96

S89°47'31"E

SIGN

SIGN

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 1 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	4

COUNTY
JASPER

JOB NO.
JSR0060

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.

...\004_RS_JSR0060_RTE96_Plan-4.dgn 10:55:11 AM 8/7/2026

LEGEND

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

MATCHLINE STA. 451+60.00

MATCHLINE STA. 457+00.00

455

℄ ROUTE 96

SIGN

(R)

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 2 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	5

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

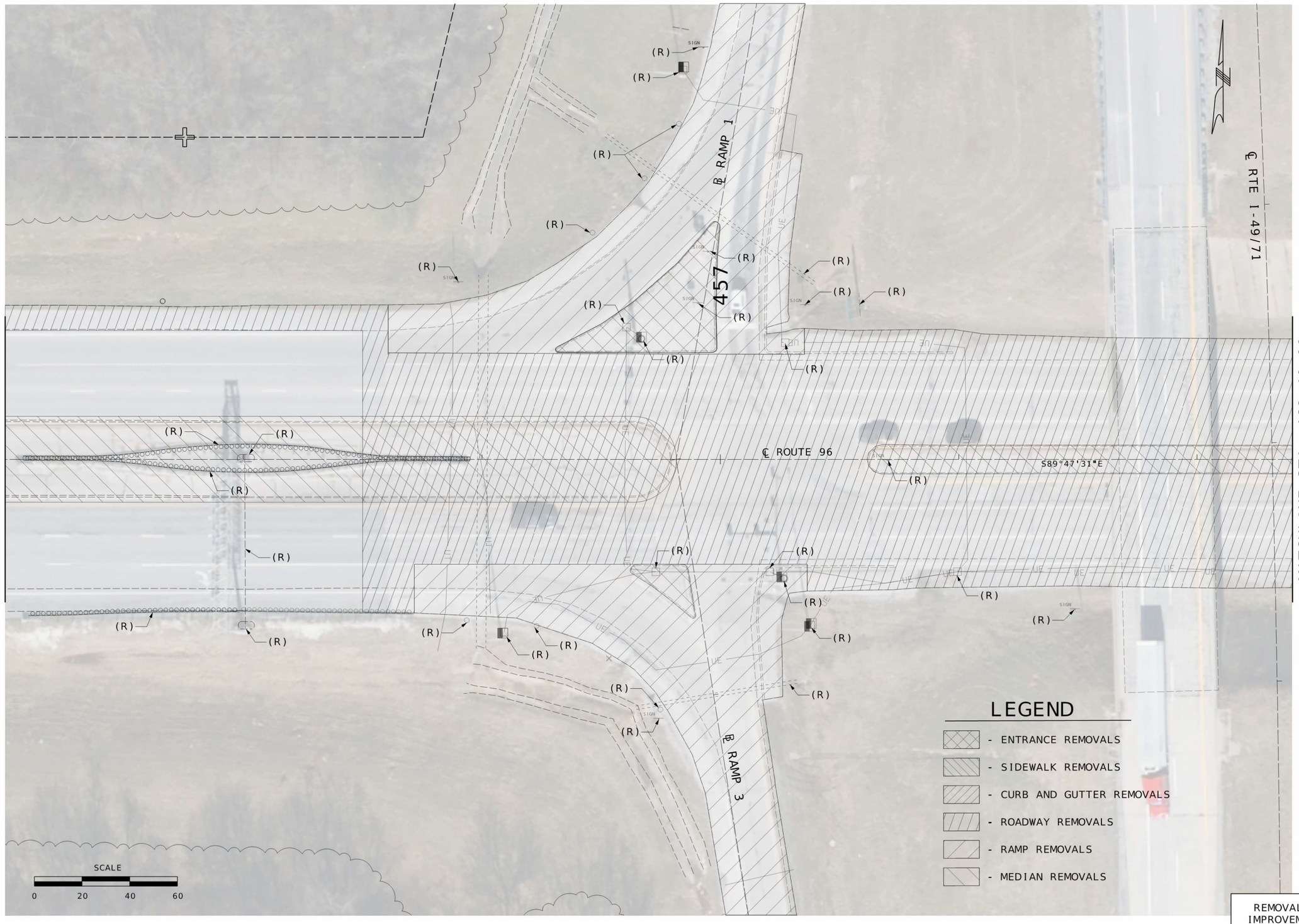
DESCRIPTION	DATE

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
SHEET 3 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	6

COUNTY
JASPER

JOB NO.
JSR0060

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

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

MATCHLINE STA. 462+40.00

MATCHLINE STA. 467+80.00

℄ ROUTE 96

℄ RAMP 1

℄ RAMP 3

10

465

(R)

SIGN

SRM

UE

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 4 OF 23

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

DATE PREPARED	
8/7/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	7

COUNTY
JASPER

JOB NO.
JSR0060

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

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

MATCHLINE STA. 467+80.00

MATCHLINE STA. 472+55.00

467

℄ ROUTE 96

S89°47'31"E

SRM

SIGN

(R)

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 5 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	8

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

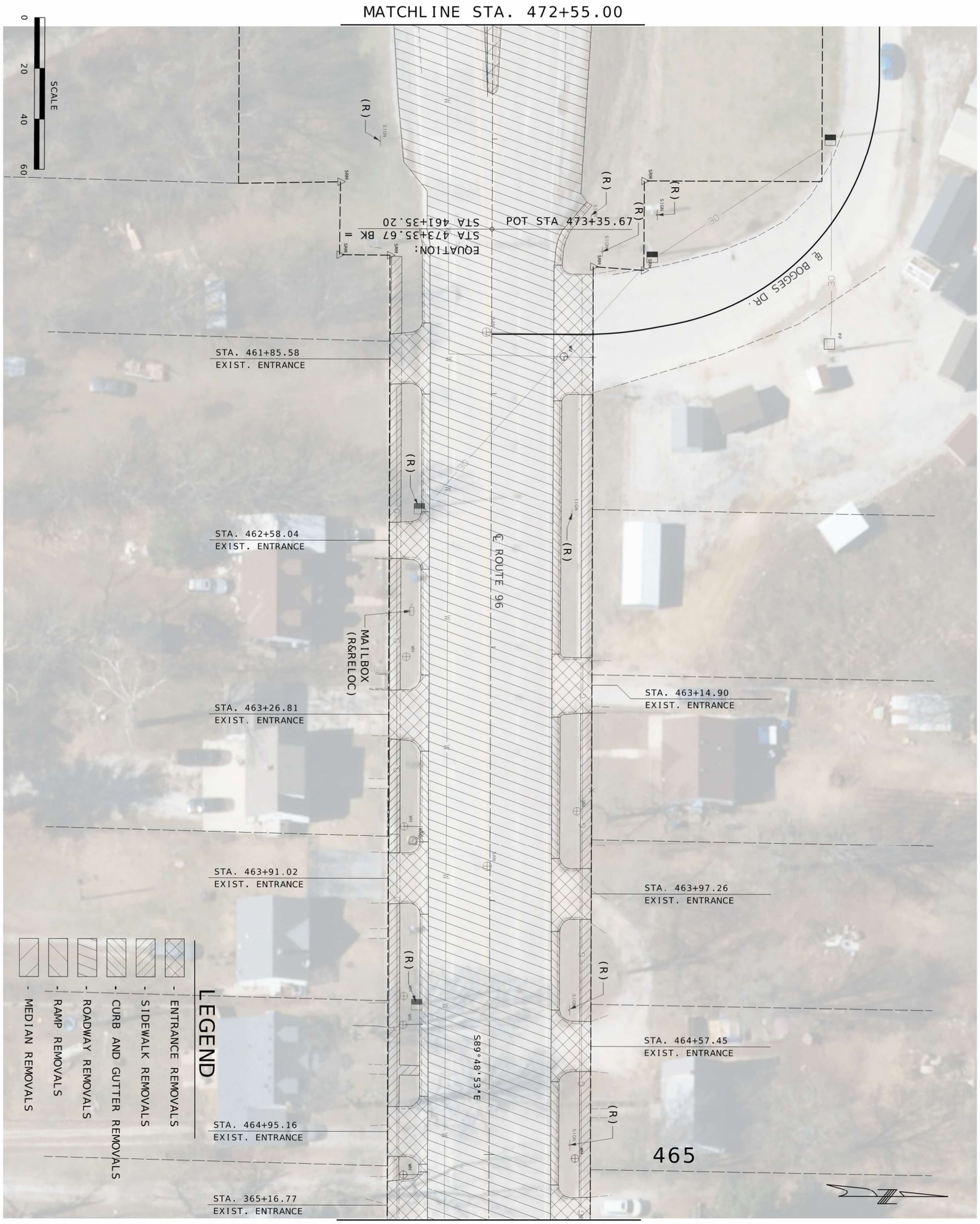
DESCRIPTION	DATE

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.



REMOVAL OF IMPROVEMENTS
SHEET 6 OF 23

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

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

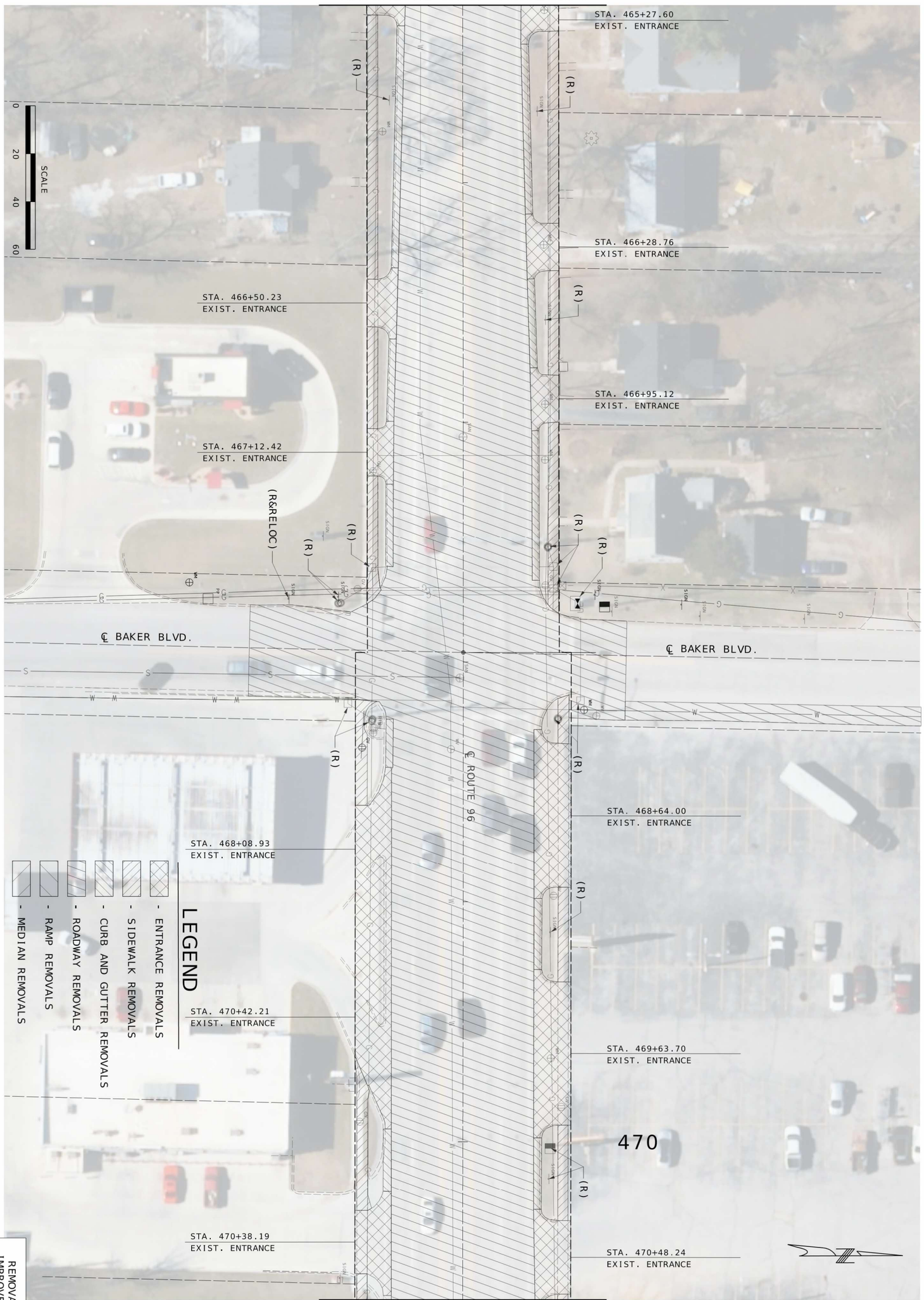
DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID.
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 9
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY A. KRAMER
NUMBER E-27133
PROFESSIONAL ENGINEER

...\009_RS_JSR0060_RTE96_Plan-9.dgn 10:57:37 AM 8/7/2026

MATCHLINE STA. 465+26.00



MATCHLINE STA. 470+66.00

REMOVAL OF IMPROVEMENTS
SHEET 7 OF 23

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

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

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID.
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 10
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY WAYNE KRAUSE
NUMBER E-27133
PROFESSIONAL ENGINEER

...\010_RS_JSR0060_RTE96_Plan-10.dgn 10:58:06 AM 8/7/2026

LEGEND

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

℄ ROUTE 96

℄ BAKER BLVD.

℄ BAKER BLVD.

5

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 8 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
SW	11

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

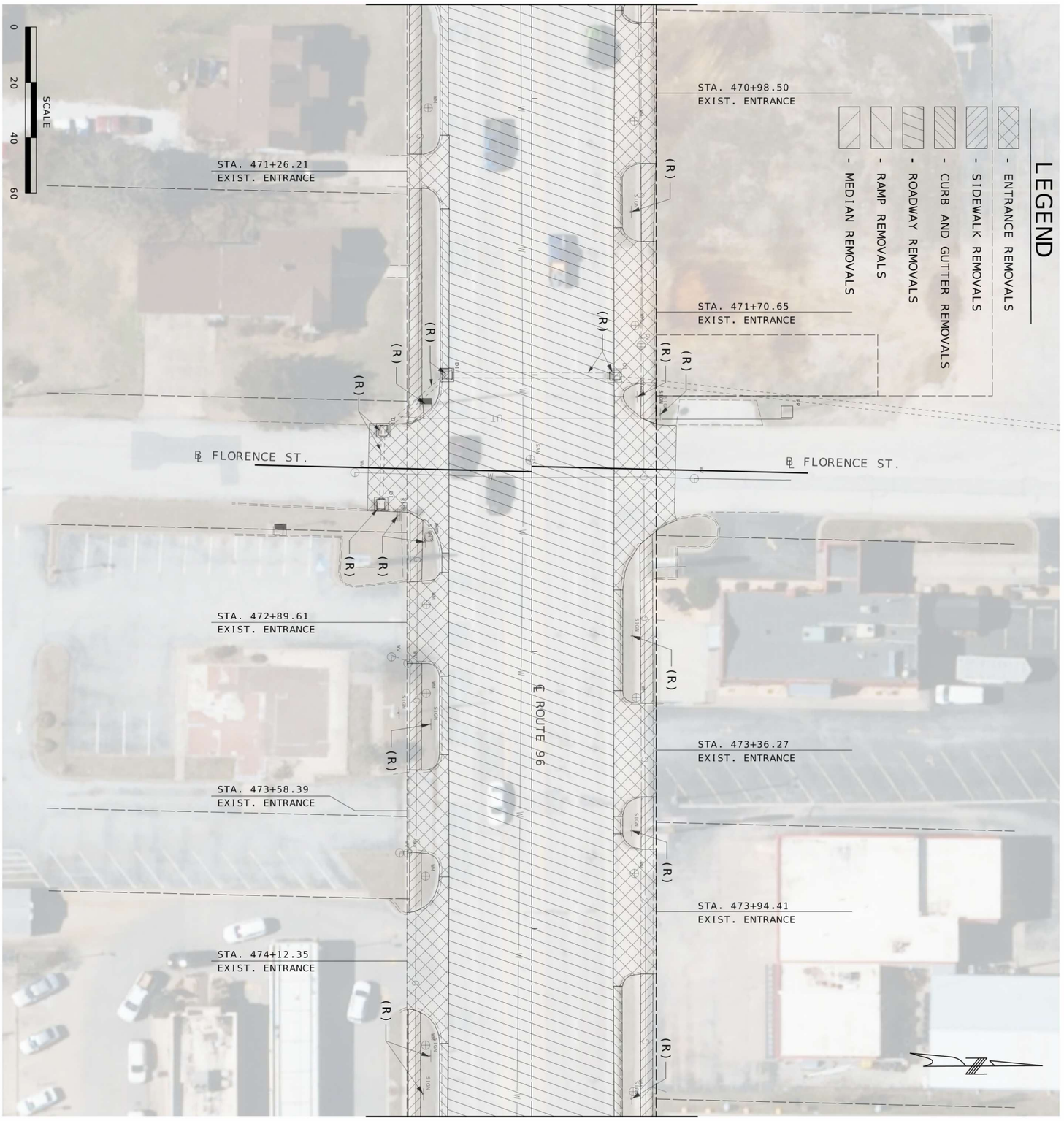
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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.

MATCHLINE STA. 470+66.00



MATCHLINE STA. 474+68.00

REMOVAL OF IMPROVEMENTS
SHEET 9 OF 23

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

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

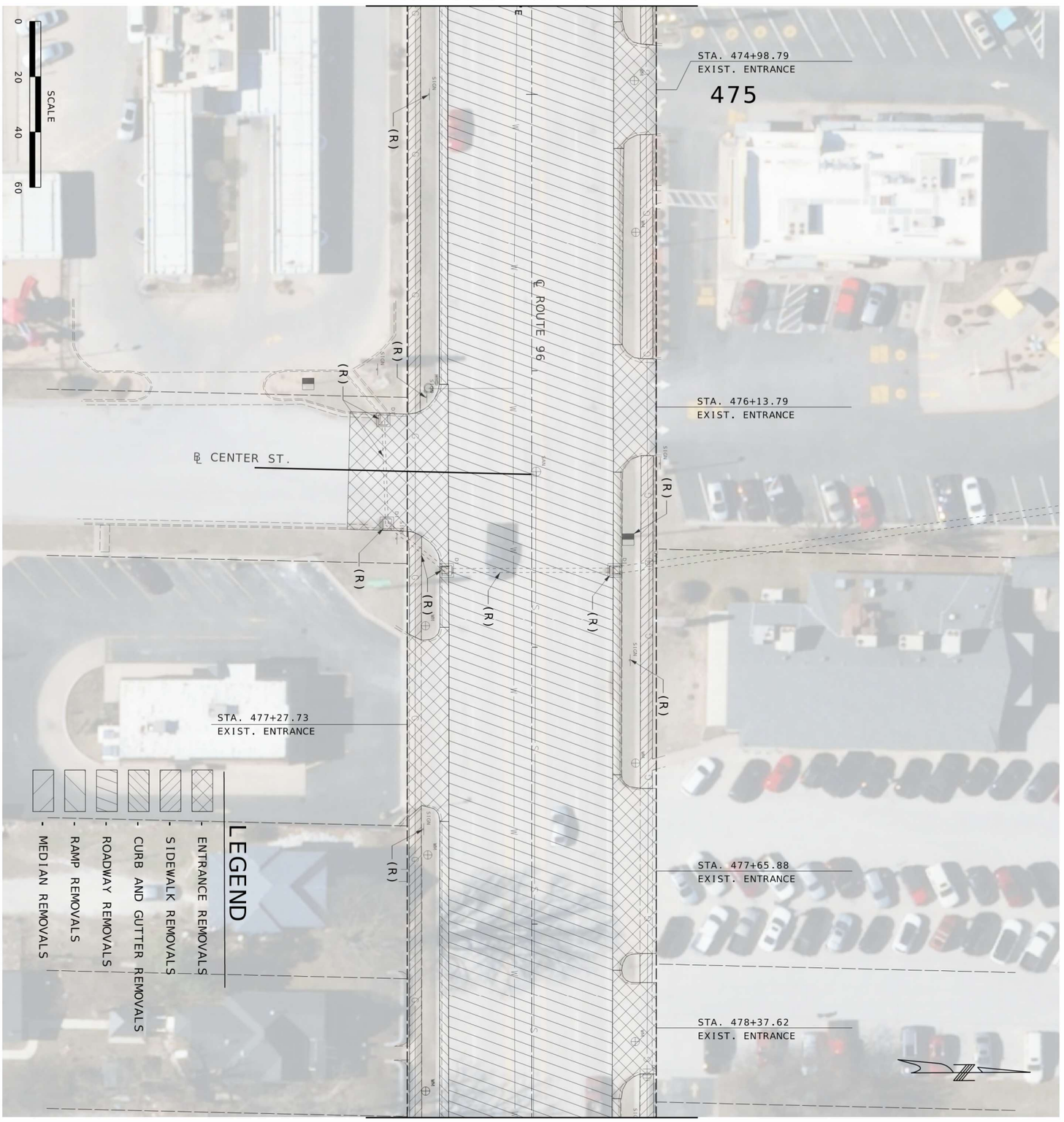
DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID. JSR0060
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 12
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY ROBERT KRAMER
NUMBER E-27133
PROFESSIONAL ENGINEER

...\012_RS_JSR0060_RTE96_Plan-12.dgn 10:58:42 AM 8/7/2026

MATCHLINE STA. 474+68.00



MATCHLINE STA. 478+70.00

REMOVAL OF IMPROVEMENTS
SHEET 10 OF 23

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

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

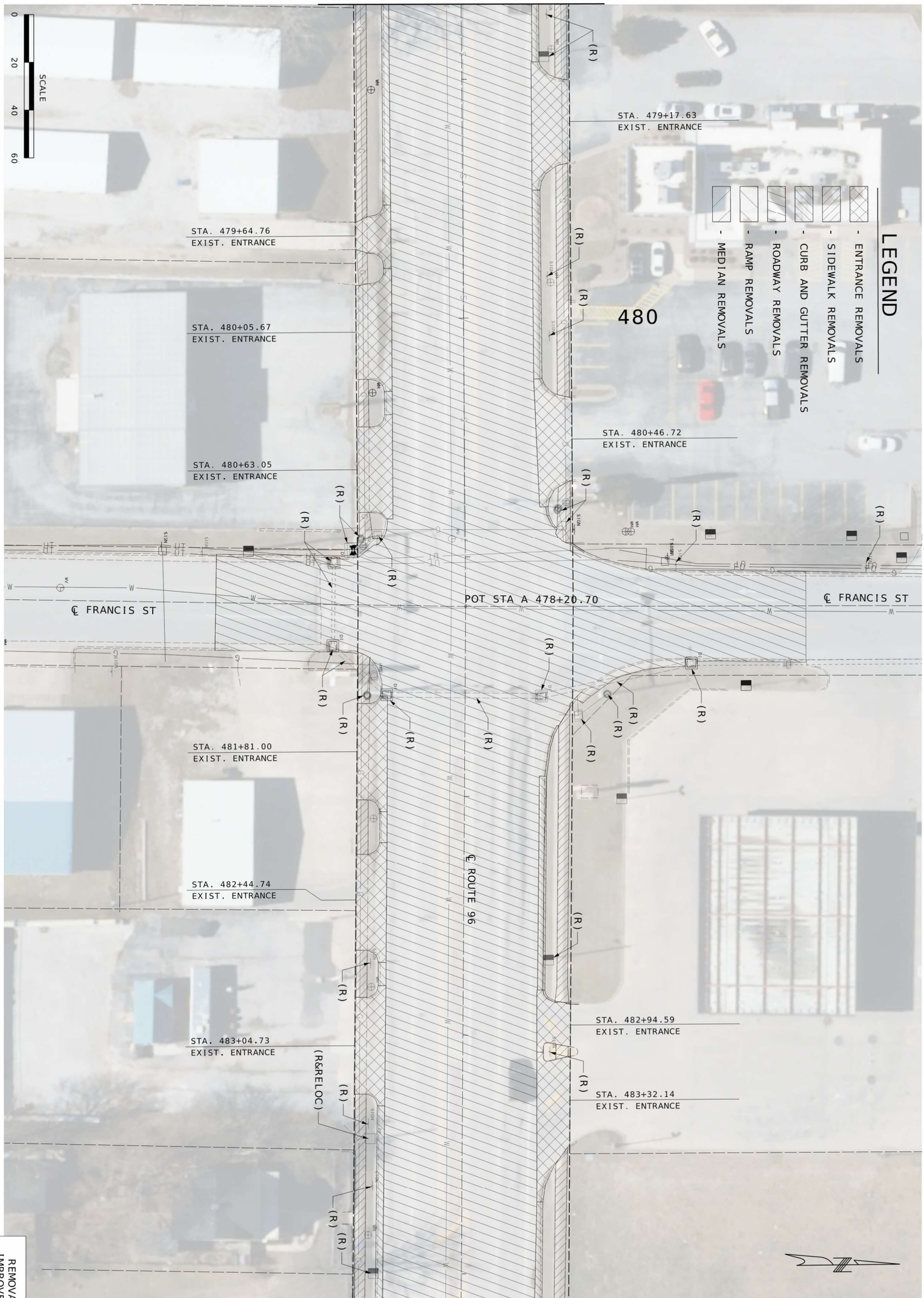
DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID. JSR0060
JOB NO. JASPER
COUNTY SW
DISTRICT 96
ROUTE MO
STATE 13
SHEET NO.
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY A. KNOWLES
NUMBER E-27133
PROFESSIONAL ENGINEER

...\013_RS_JSR0060_RTE96_Plan-13.dgn 10:59:04 AM 8/7/2026

MATCHLINE STA. 478+70.00



MATCHLINE STA. 484+10.00

REMOVAL OF IMPROVEMENTS
SHEET 11 OF 23

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

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

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID. JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 14
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
PROFESSIONAL ENGINEER

LEGEND

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

MATCHLINE STA. 484+10.00

MATCHLINE STA. 489+50.00

BLANCHE ST

STA. 486+64.91
EXIST. ENTRANCE

STA. 487+15.47
EXIST. ENTRANCE

℄ ROUTE 96

POT STA A 484+73.50

(R)
(R&RELOC)

SCALE
0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 12 OF 23

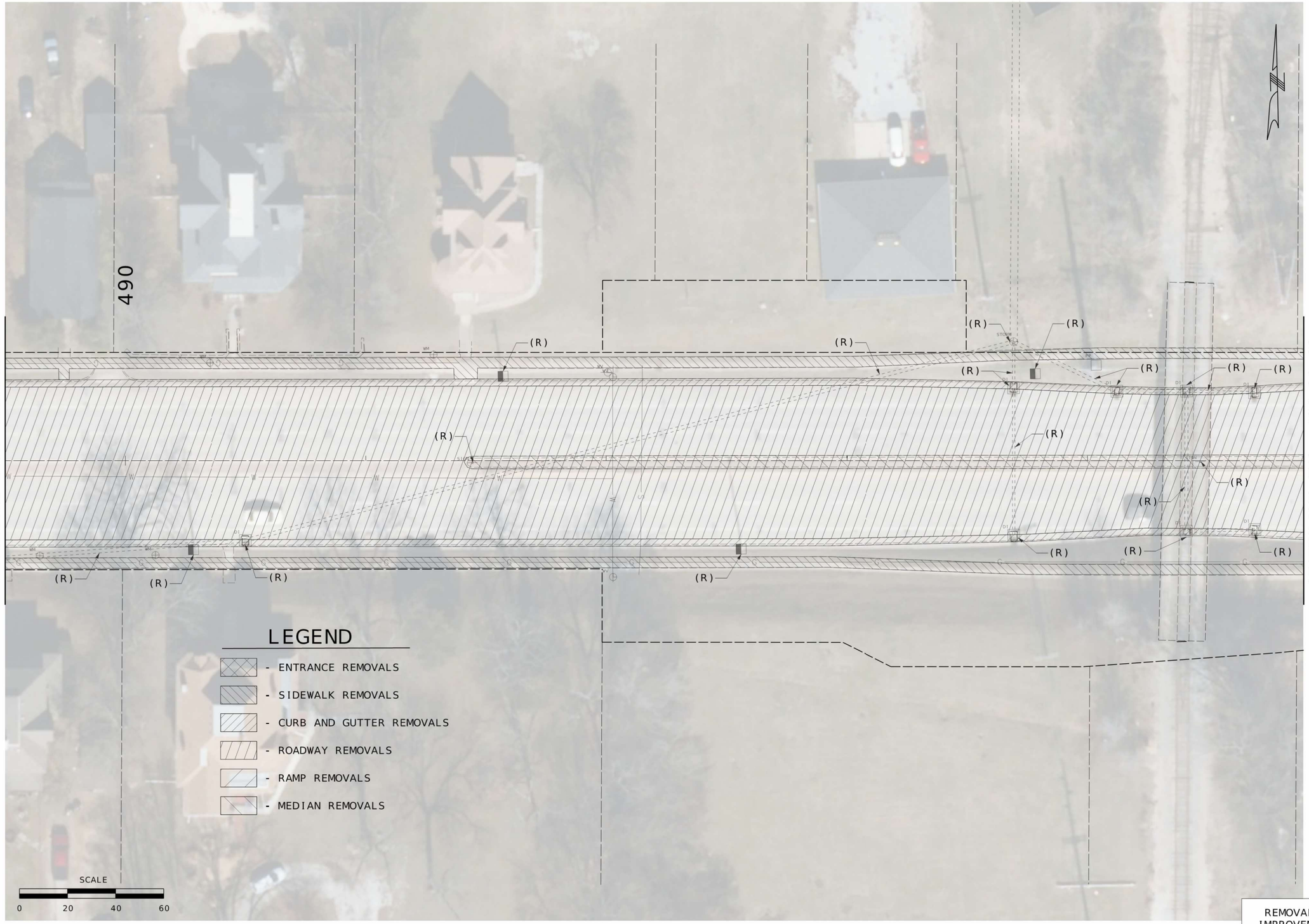
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	15
COUNTY	JASPER
JOB NO.	JSR0060
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
SHEET 13 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	16

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

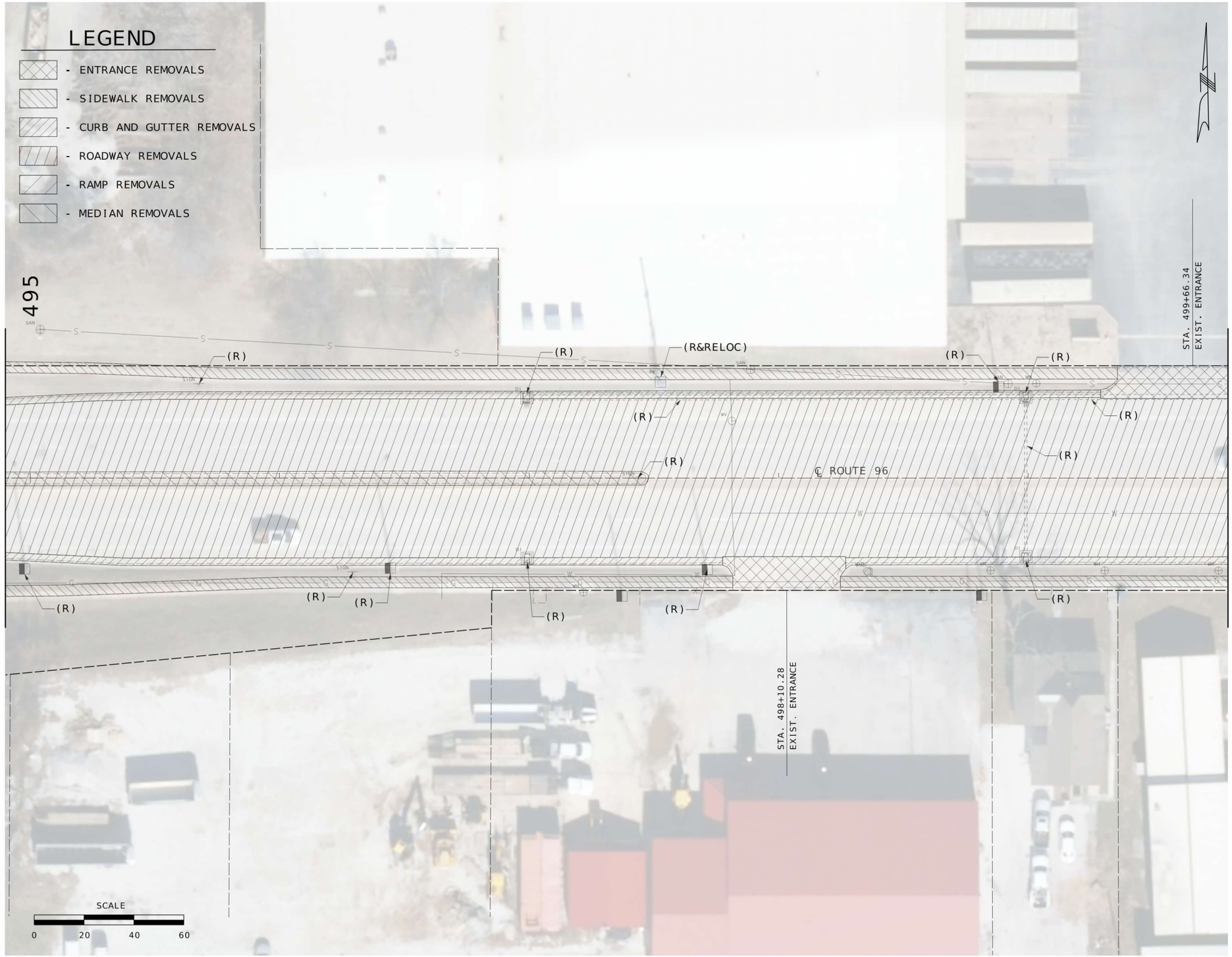
BRIDGE NO.
-

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.



REMOVAL OF IMPROVEMENTS
SHEET 14 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	17

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

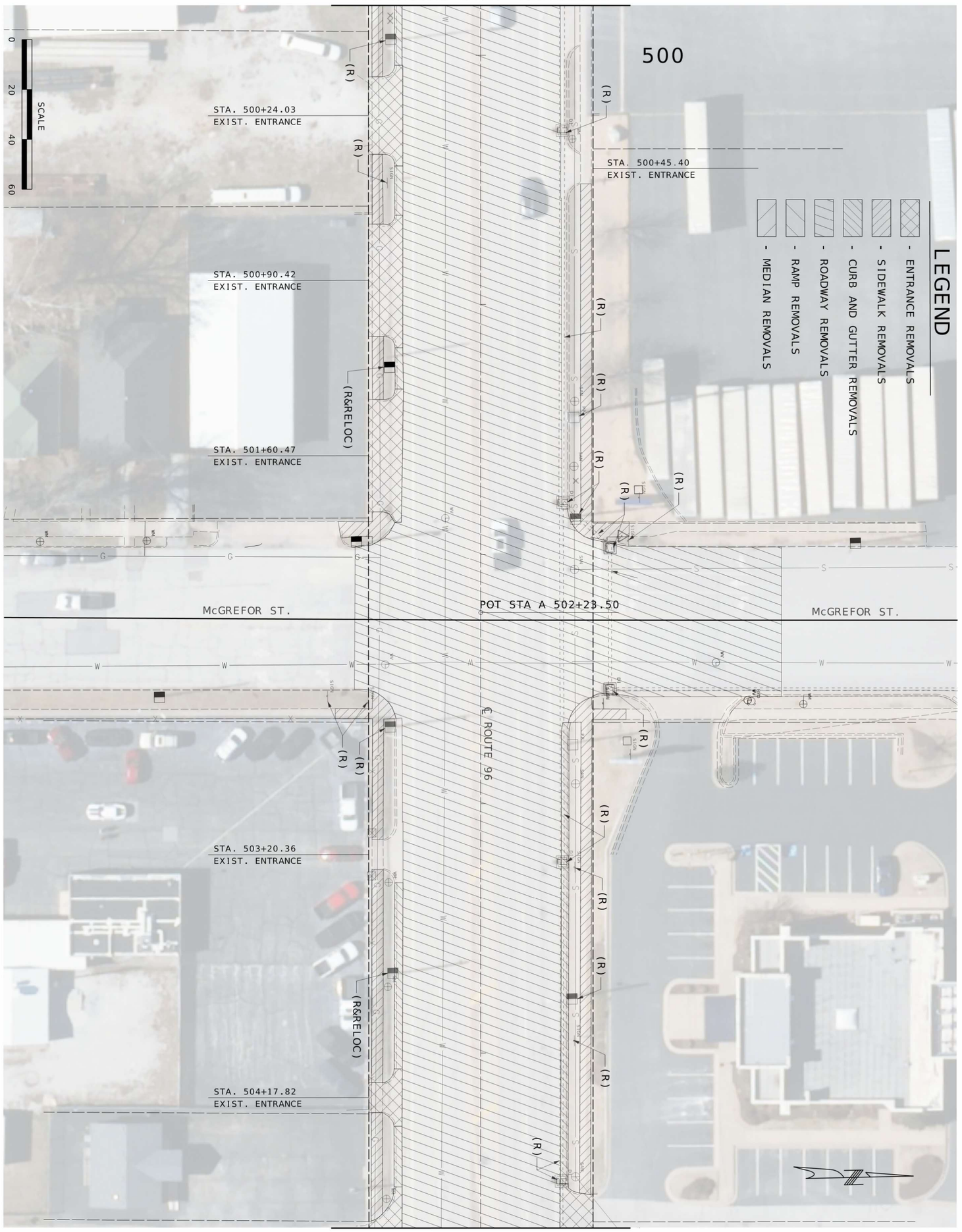
BRIDGE NO.
-

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.

MATCHLINE STA. 499+80.00



MATCHLINE STA. 504+70.00

REMOVAL OF IMPROVEMENTS
SHEET 15 OF 23

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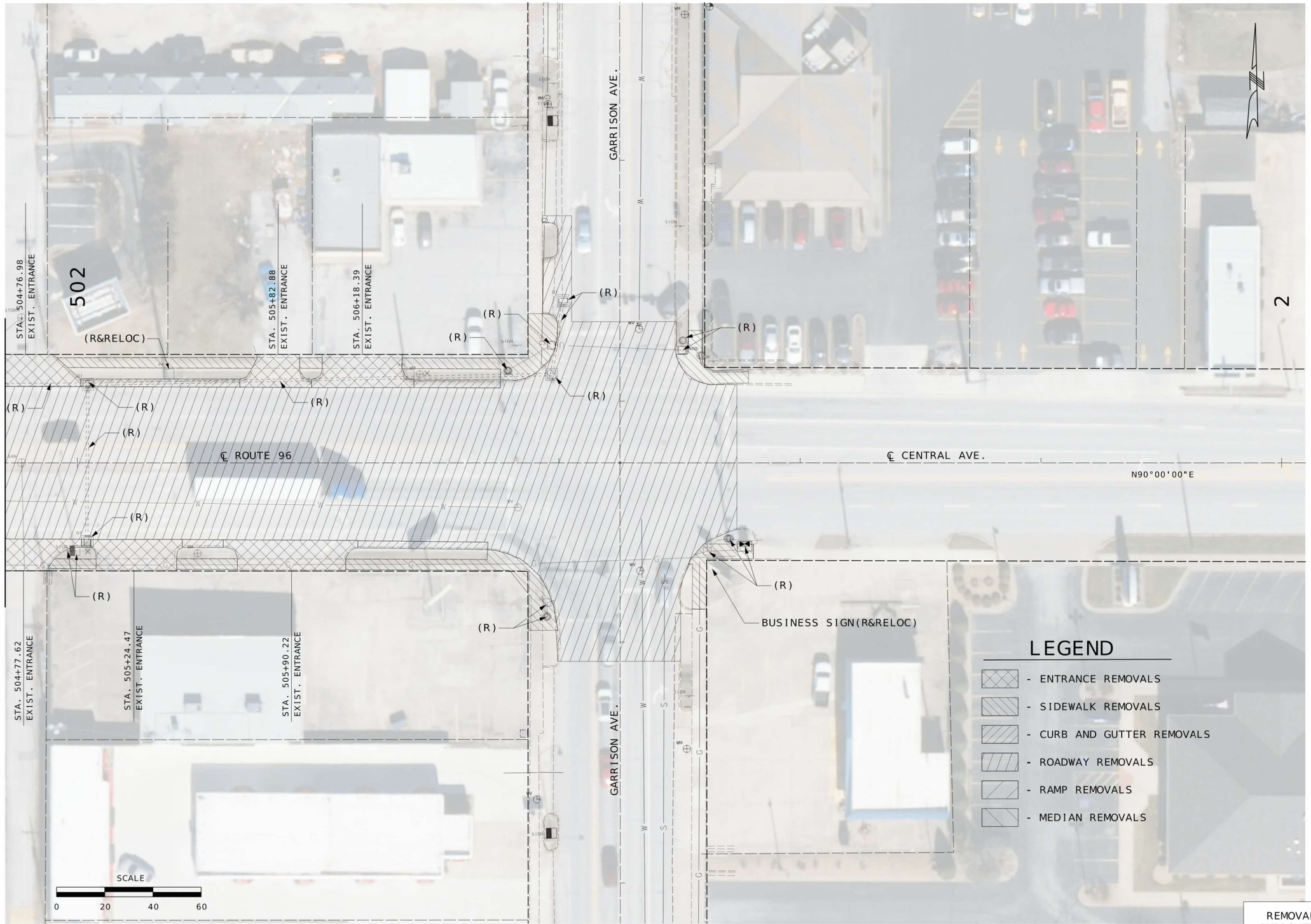
OWN
Engineering beyond.
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID.
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 18
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY WILLIAM KRAMER
NUMBER E-27133
PROFESSIONAL ENGINEER



REMOVAL OF IMPROVEMENTS
SHEET 16 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	19

COUNTY
JASPER

JOB NO.
JSR0060

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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LEGEND

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

℄ 149

PT STA 7+11.32

℄ RAMP 2

10

℄ ROUTE 96

457

(R)

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 17 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	20

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

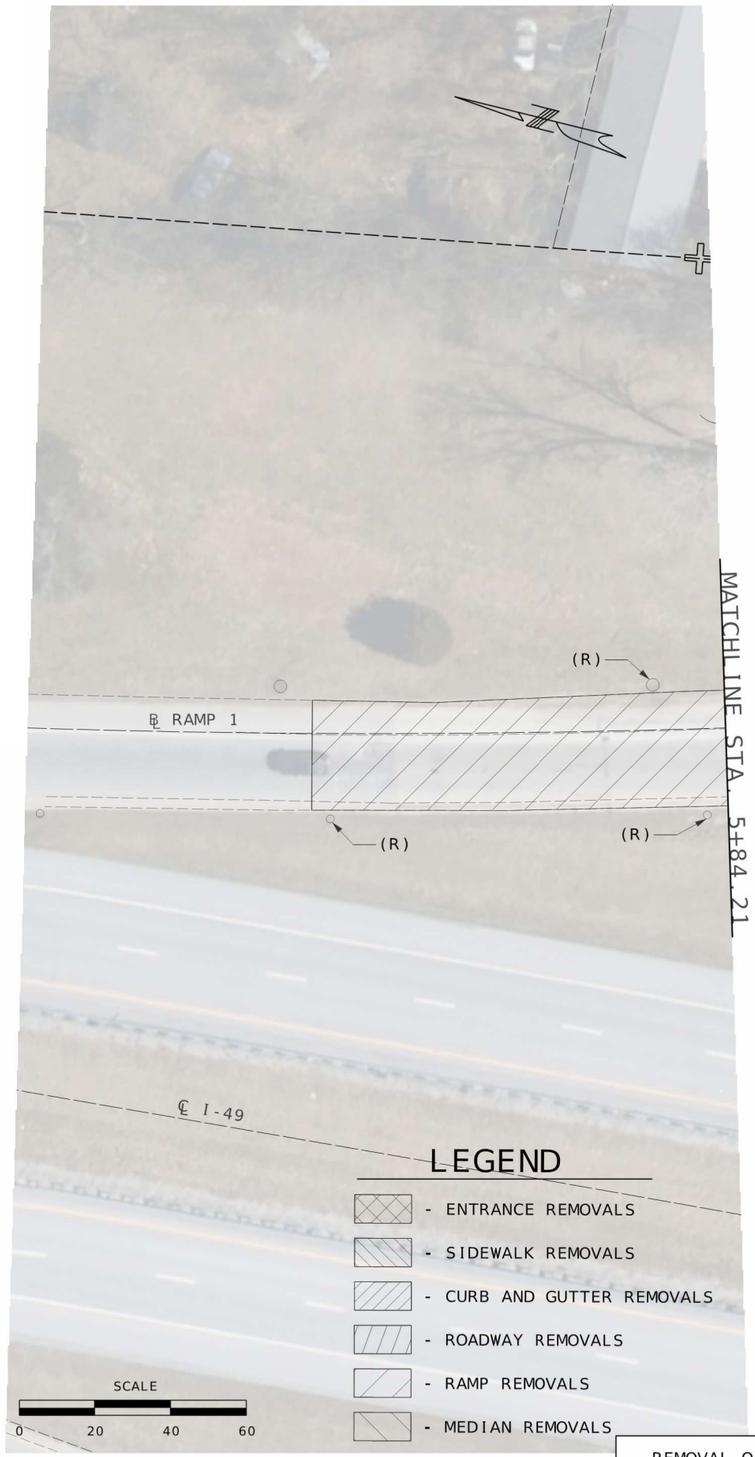
DESCRIPTION	DATE

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.



REMOVAL OF IMPROVEMENTS
SHEET 18 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	21

COUNTY
JASPER

JOB NO.
JSR0060

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

MATCHLINE STA. 5+84.21

PT STA 5+88.75

END STA 11+24.50

℄ RAMP 1

℄ I-49

10

715

(R)

S89°47'31"E

LEGEND

- ENTRANCE REMOVALS
- SIDEWALK REMOVALS
- CURB AND GUTTER REMOVALS
- ROADWAY REMOVALS
- RAMP REMOVALS
- MEDIAN REMOVALS

SCALE

0 20 40 60

REMOVAL OF IMPROVEMENTS
SHEET 19 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	22

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

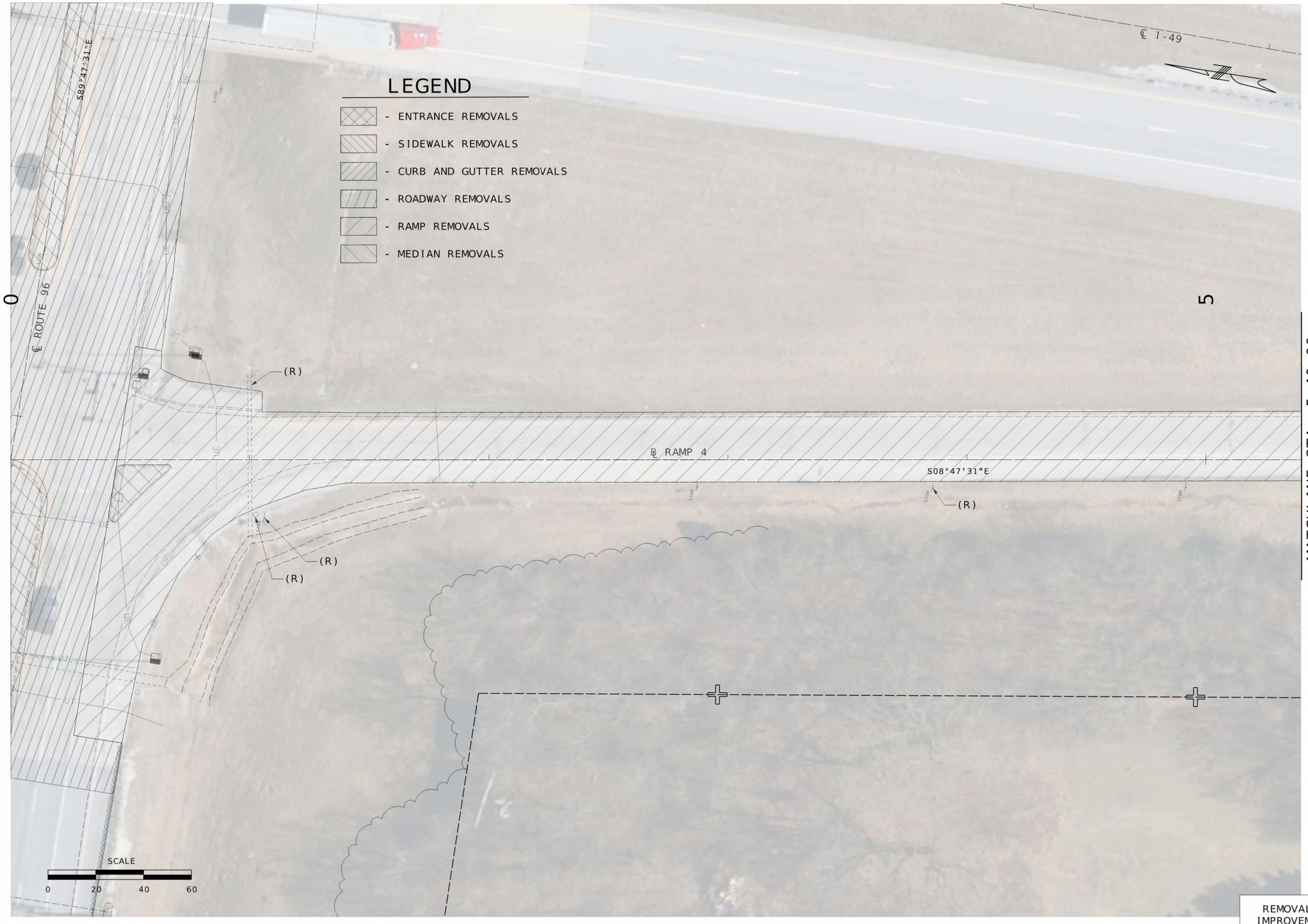
DATE	DESCRIPTION

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.



REMOVAL OF IMPROVEMENTS
SHEET 20 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	23

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

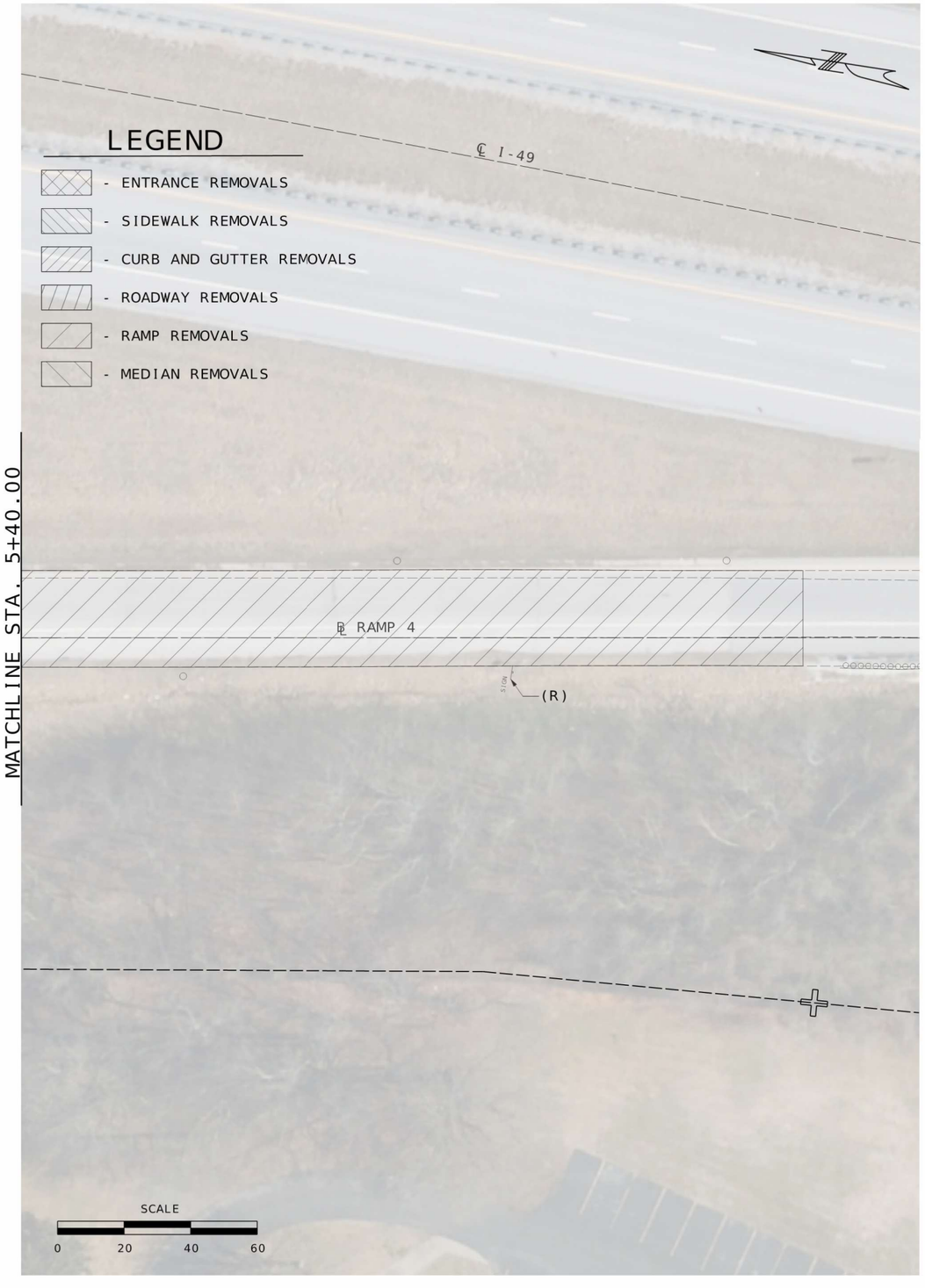
DESCRIPTION	DATE

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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REMOVAL OF IMPROVEMENTS
SHEET 21 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	24

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

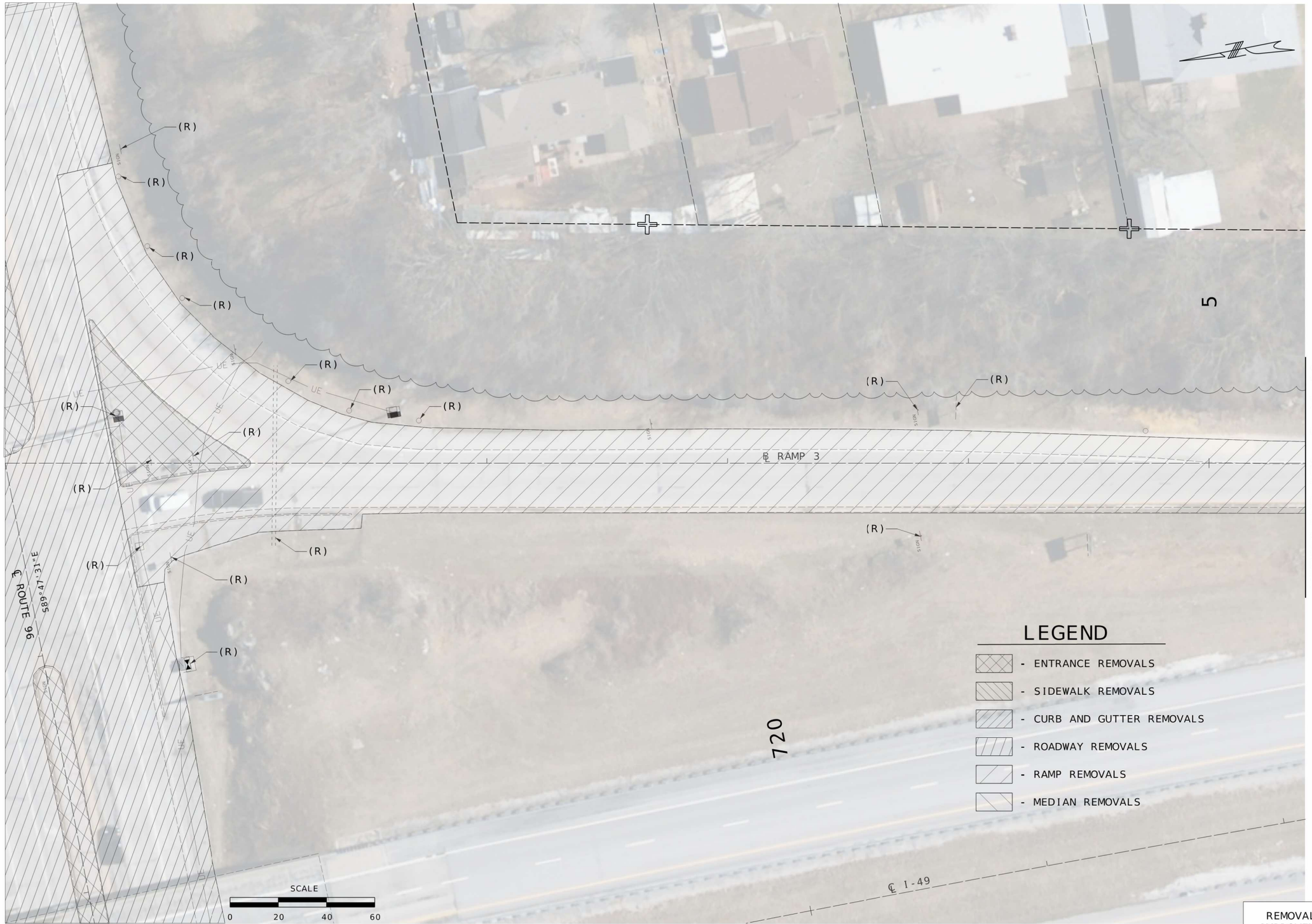
PROJECT NO.
-

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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REMOVAL OF IMPROVEMENTS
SHEET 22 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	25

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

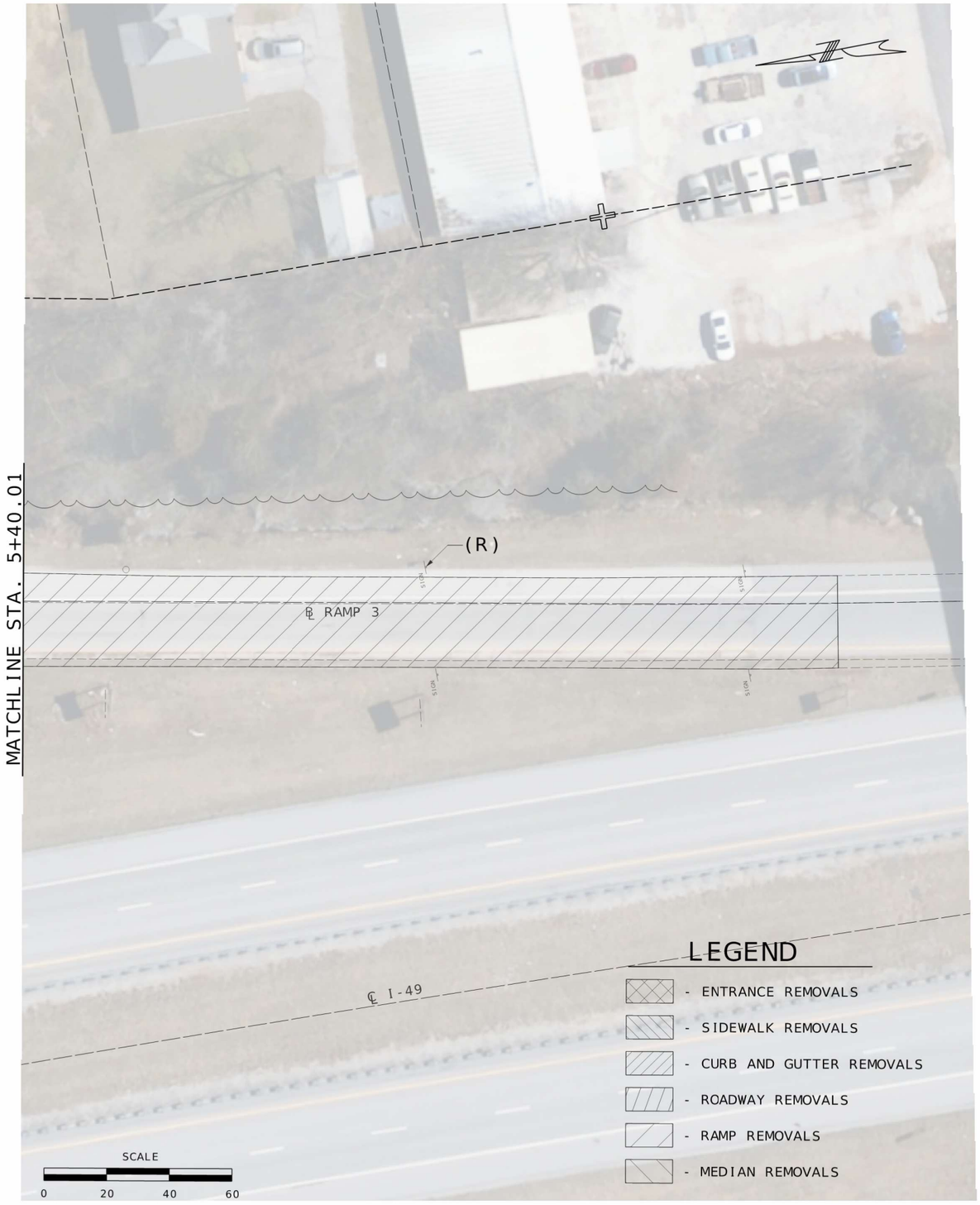
PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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REMOVAL OF IMPROVEMENTS
SHEET 23 OF 23

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	26

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

2215 Fairlawn Dr.
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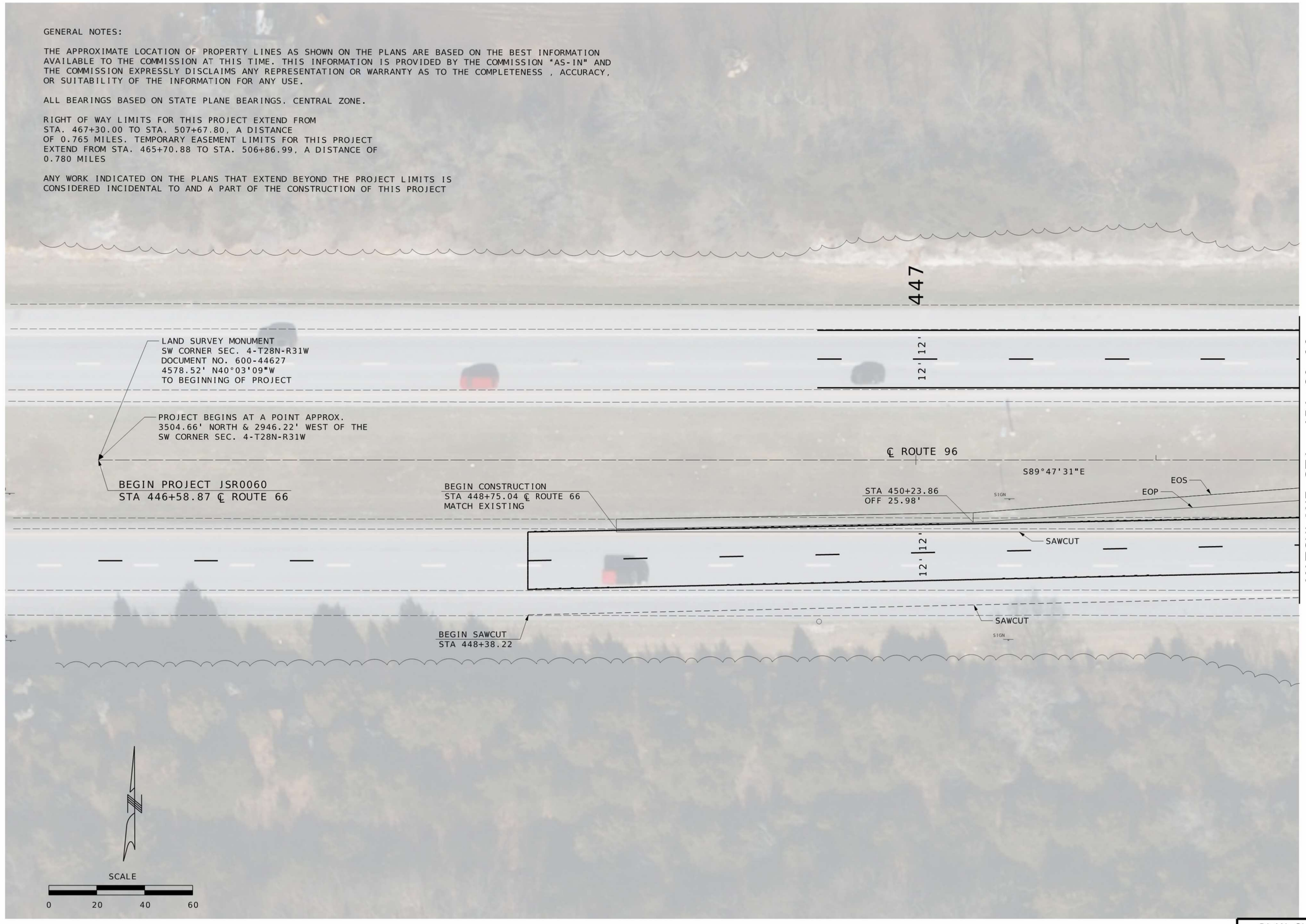
GENERAL NOTES:

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-IN" 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. CENTRAL ZONE.

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 467+30.00 TO STA. 507+67.80, A DISTANCE OF 0.765 MILES. TEMPORARY EASEMENT LIMITS FOR THIS PROJECT EXTEND FROM STA. 465+70.88 TO STA. 506+86.99, A DISTANCE OF 0.780 MILES

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



PLAN SHEET
1 OF 15

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	27

COUNTY
JASPER

JOB NO.
JSR0060

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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TYPE S HEADWALL ℄ RTE. 96
STA. 452+61.00 12.2' LT
5'X2' GRATE AND BEARING PLATE
1-18" HORIZONTAL ELLIPTICAL OPENING

INLET 455DIL1 ℄ RTE. 96
STA. 455+00.64 11.49' LT (CENTER)
1- 2' X 4' TYPE D INLET
1-18" H. ELLIP. OPENING
1-15" OPENING

EXIST. MODOT R/W

452

EXIST. 15" RCP
& F.E.S. (UIP)

GRADE FORE SLOPE
FROM SHOULDER PAVEMENT SAW
CUT TO TOP OF EXISTING
HEADWALL TO DRAIN

STA 456+20.23
OFF 54.00'

BEGIN SAWCUT
STA 453+50.00

SAWCUT

SAWCUT

SAWCUT

SAWCUT

MATCHLINE STA. 451+60.00

MATCHLINE STA. 457+00.00

12' 12'

13' 11'

TYPE S
HEADWALL

BEGIN SHOULDER
STA 453+61.00

STA 453+61.00
OFF 3.50'

EOS

EOP

℄ ROUTE 96

INLET
455DIL1

S89°47'31"E

INLET
455DIR2

12' 11' 11' 12'

12' 11' 11' 12'

TYPE C
PERMANENT TRAFFIC
BARRIER

STA 453+75.98
OFF 64.50'

SAWCUT

STA 451+98.17
OFF 56.58'

STA 453+05.45
OFF 65.91'

MGS GUARDRAIL

STA 454+25.66
OFF 74.16'
OVERHEAD
SIGN

INLET 455DIR2 ℄ RTE. 96
STA. 455+25.00 1.00' RT (GUTTER)
1- 2' X 2' TYPE D INLET
1-15" OPENING

SCALE
0 20 40 60

PLAN SHEET
2 OF 15

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	28

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

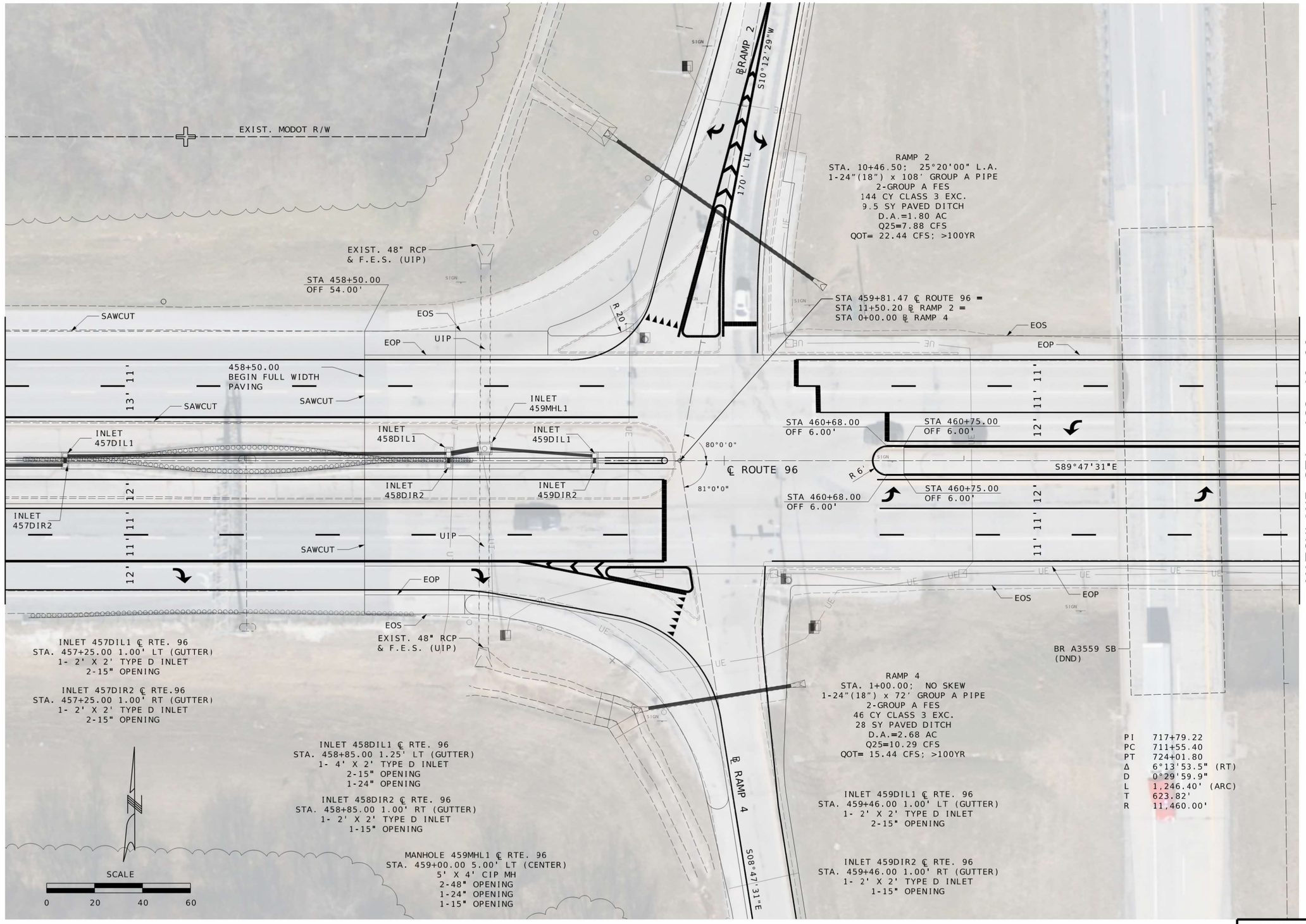
DATE	DESCRIPTION

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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PLAN SHEET
3 OF 15

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	29

COUNTY
JASPER

JOB NO.
JSR0060

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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...\029_PP_JSR0060_RTE96_Plan-3.dgn 3:25:51 PM 9/29/2026

RAMP 1
STA. 10+08.00; NO SKEW
1-24"(18") x 62' GROUP A PIPE
2-GROUP A FES
42 CY CLASS 3 EXC.
3 CY ROCK LINING
D.A.=2.18 AC
Q25=9.55 CFS
QOT= 15.81CFS; >100YR

℄ RAMP 1

462

EXIST. MODOT R/W

GRADE EXISTING DITCH
FLOWLINE TO DRAIN

R 70'

S15°48'53"E

STA 465+60.45
OFF 57.84'

R 150'

STA 465+83.85
OFF 56.00'

EOS

STA 467+52.24
OFF 56.00'

EOP

EOS

EOP

STA 464+84.26
OFF 2.00'

73°58'38"

STA 464+88.26
OFF 6.00'

STA 466+27.00
OFF 6.00'

STA 467+27.03
OFF 16.00'

STA 465+05.00
OFF 6.00'

6" SOLID YELLOW

STA 463+85.00
OFF 6.00'

STA 463+89.50
OFF 6.00'

R 6'

℄ ROUTE 96

R 4'

STA 464+81.50 ℄ ROUTE 96 =
STA 11+24.50 ℄ RAMP 1 =
STA 0+00.00 ℄ RAMP 3

S89°47'31"E

R 16'

STA 465+05.00
OFF 16.00'

STA 464+99.53
OFF 15.96'

STA 463+85.00
OFF 6.00'

STA 463+89.50
OFF 6.00'

EOS

EOP

BR A3559 NB
(DND)

R 20'

EOS

STA 466+25.61
OFF 52.00'

EOP

RAMP 3
STA. 1+12.00; NO SKEW
1-24"(18") x 72' GROUP A PIPE
2-GROUP A FES
48 CY CLASS 3 EXC.
3 CY ROCK LINING
D.A.=2.46 AC
Q25=10.20 CFS
QOT= 13.77 CFS; 80YR

GRADE EXISTING DITCH
FLOWLINE TO DRAIN

℄ RAMP 3

SCALE
0 20 40 60

MATCHLINE STA. 462+40.00

MATCHLINE STA. 467+80.00

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	30

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

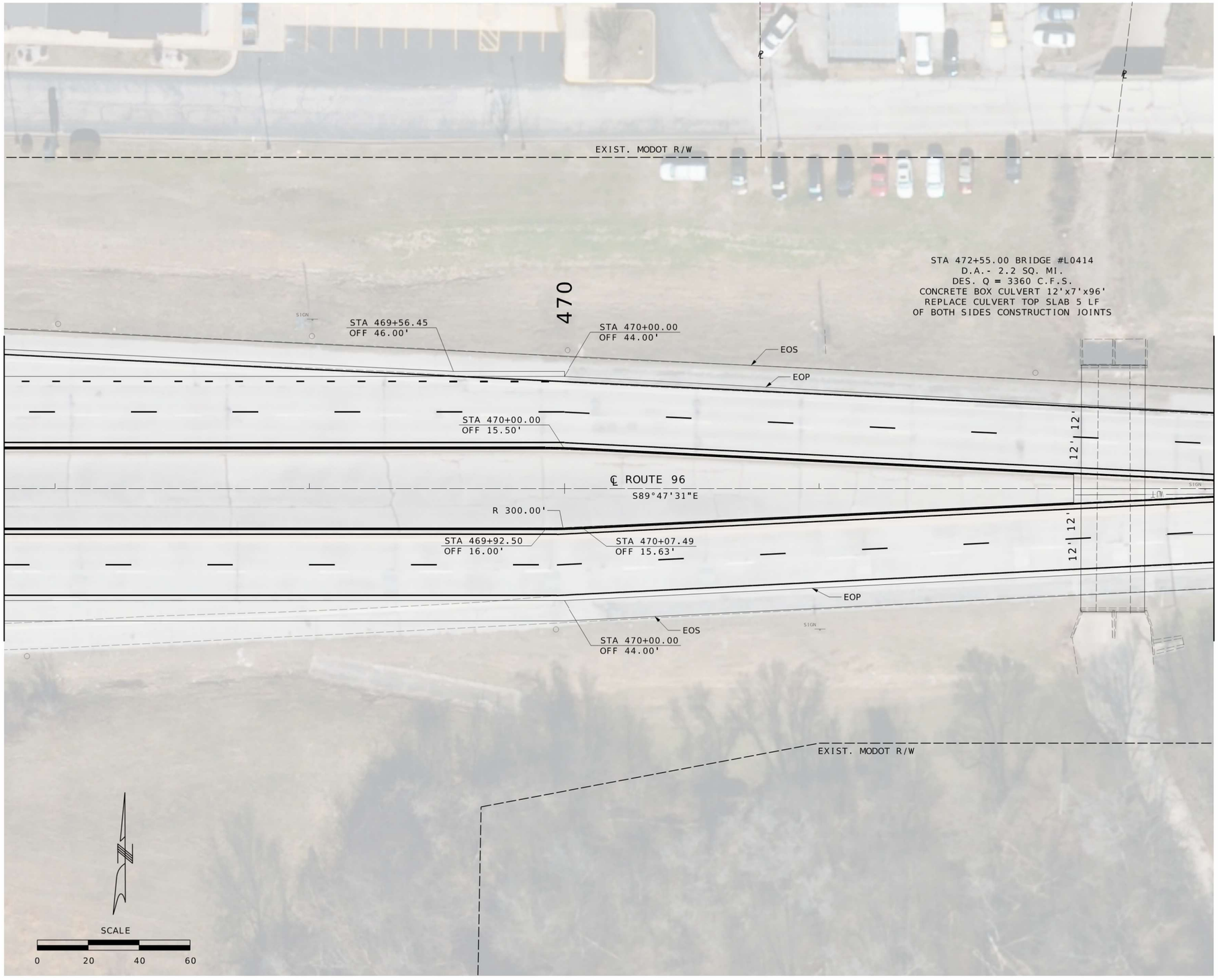
BRIDGE NO.
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DESCRIPTION	DATE

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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PLAN SHEET
4 OF 15



PLAN SHEET
5 OF 15

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	31

COUNTY
JASPER

JOB NO.
JSR0060

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
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SE¼NE¼
SEC05-T28N-R31W

462

MATCHLINE STA. 472+55.00

MATCHLINE STA. 465+26.00

℄ BOGGESS DR.

EXIST. MODOT R/W

EQUATION:
STA 473+35.67 BK =
STA 461+35.20 AH

EOS

EOP

R 4.5'

R 5'

90°0'0"

R 2'

12' 12'

S89°47'31"E

STA 472+80.00
OFF 2.00'

STA 461+35.19
OFF 27.82'

STA 461+71.25
OFF 26.00'

EXIST. MODOT R/W

STA 462+05.22
OFF 25.00'

STA 463+00.75
OFF 25.00'

STA 463+83.02
OFF 25.00'

STA 464+11.45
OFF 25.00'

STA 465+13.55
OFF 25.96'

STA 464+99.90
OFF 25.00'

EXIST. MODOT R/W

TYPE B C&G

STA 463+29.13
OFF 25.00'

STA 464+43.41
OFF 25.00'

STA 464+71.51
OFF 25.00'

℄ ROUTE 96

STA 463+42.03
OFF 25.00'

STA 464+06.18
OFF 25.00'

S89°48'53"E

11' 11' 11' 11'

EOP

TYPE B C&G

EXIST. MODOT R/W
STA 461+99.96
OFF 25.00'

STA 462+69.20
OFF 25.00'

STA 463+11.63
OFF 25.00'

STA 463+75.77
OFF 25.00'

EXIST. MODOT R/W
STA 464+82.80
OFF 25.00'

STA 462+46.88
OFF 25.00'

STA 461+76.55 ℄ ROUTE 96 =
STA 5+00.00 ℄ BOGGESS DR

EXIST. MODOT R/W

EXIST. MODOT R/W

SCALE
0 20 40 60

SEE SHEETS 36-37 FOR SIDEWALK
AND DRIVEWAY INFORMATION

PLAN SHEET
6 OF 15

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	32

COUNTY
JASPER

JOB NO.
JSR0060

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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SE¼NE¼
SEC05-T28N-R31W

SW¼ NW¼
SEC04-T28N-R31W

EXIST. CITY R/W

℄ BAKER BLVD.

SECTION LINE

EXIST. CITY R/W

470

MATCHLINE STA. 465+26.00

MATCHLINE STA. 470+66.00

STA 466+15.69
OFF 32.00'

STA 465+99.90
OFF 32.00'

STA 466+41.82
OFF 32.00'

STA 466+87.17
OFF 32.00'

STA 467+03.43
OFF 32.00'

STA 467+62.07
OFF 32.00'

STA 468+52.12
OFF 32.00'

STA 469+98.58
OFF 32.00'

STA 469+28.18
OFF 32.00'

STA 470+27.40
OFF 32.00'

EXIST. MODOT R/W

EXIST. MODOT R/W

STA 465+41.68
OFF 27.92'

TYPE B C&G

EOP

TYPE B C&G

EOP

R 17'

91°10'10"

POT STA 467+96.00

R 32'

℄ ROUTE 96

S89°48'53"E

140' LTL

S89°41'53"E

470+00.00

11' 11' 14' 11' 11'

EOP

TYPE B C&G

TYPE B C&G

STA 468+81.88
OFF 32.00'

STA 469+50.47
OFF 32.00'

STA 469+98.35
OFF 32.00'

EOP

STA 465+28.60
OFF 26.99'

STA 466+00.90
OFF 32.00'

EXIST. MODOT R/W

STA 467+35.53
OFF 32.00'

STA 467+96.00 ℄ ROUTE 96 =
STA 3+58.27 ℄ BAKER BLVD

R 32'

R 25'

R 47'

STA 468+41.27
OFF 32.00'

STA 468+40.04
OFF 32.00'

EXIST. MODOT R/W

STA 470+05.54
OFF 32.00'

EXIST. CITY R/W

℄ BAKER BLVD.

EXIST. CITY R/W

SCALE

0 20 40 60

5

SEE SHEETS 36-37 FOR SIDEWALK
AND DRIVEWAY INFORMATION

PLAN SHEET
7 OF 15

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	33

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

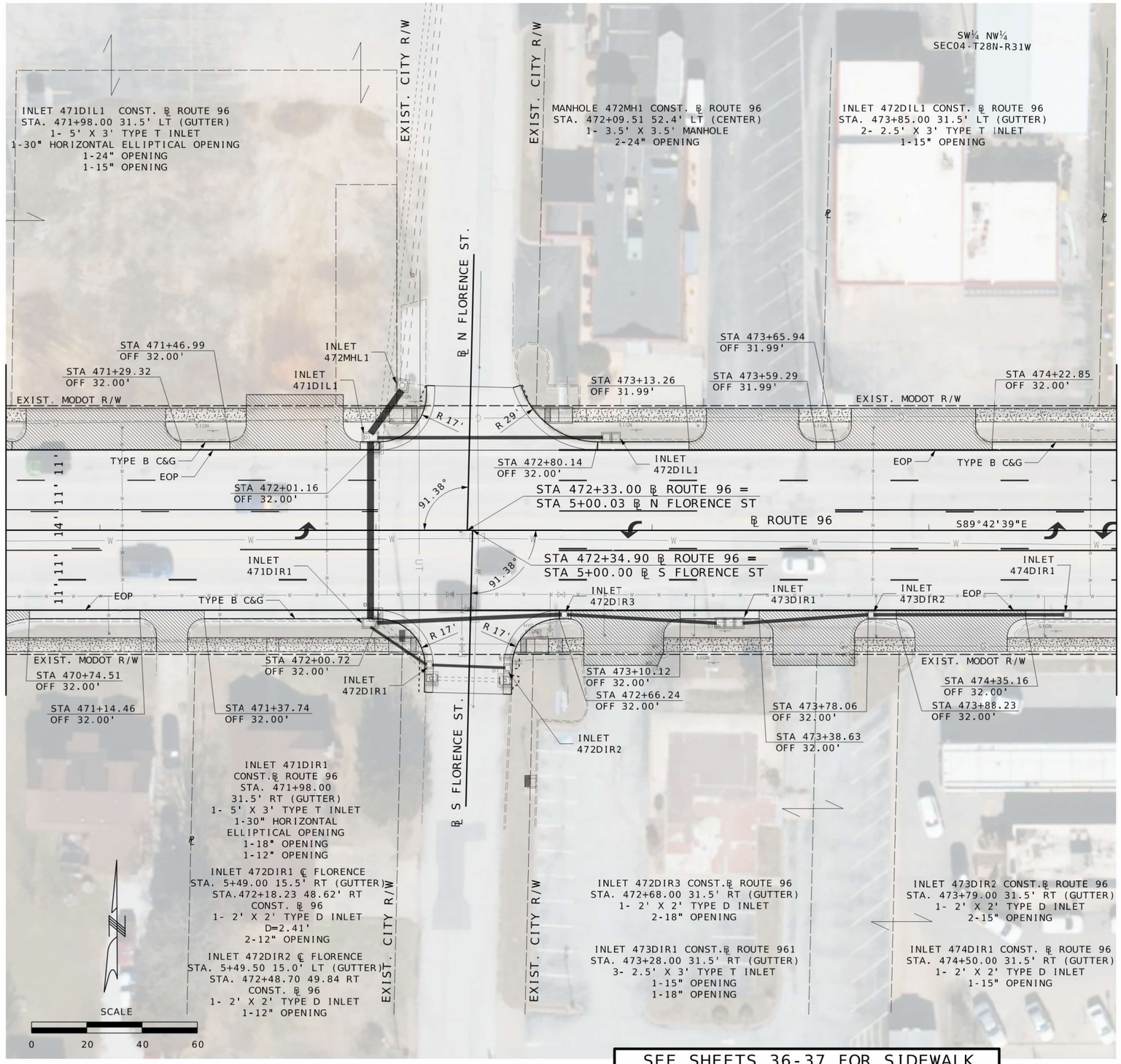
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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SEE SHEETS 36-37 FOR SIDEWALK AND DRIVEWAY INFORMATION

PLAN SHEET 8 OF 15

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

DATE PREPARED 8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	34

COUNTY: JASPER

JOB NO.: JSR0060

CONTRACT ID.: -

PROJECT NO.: -

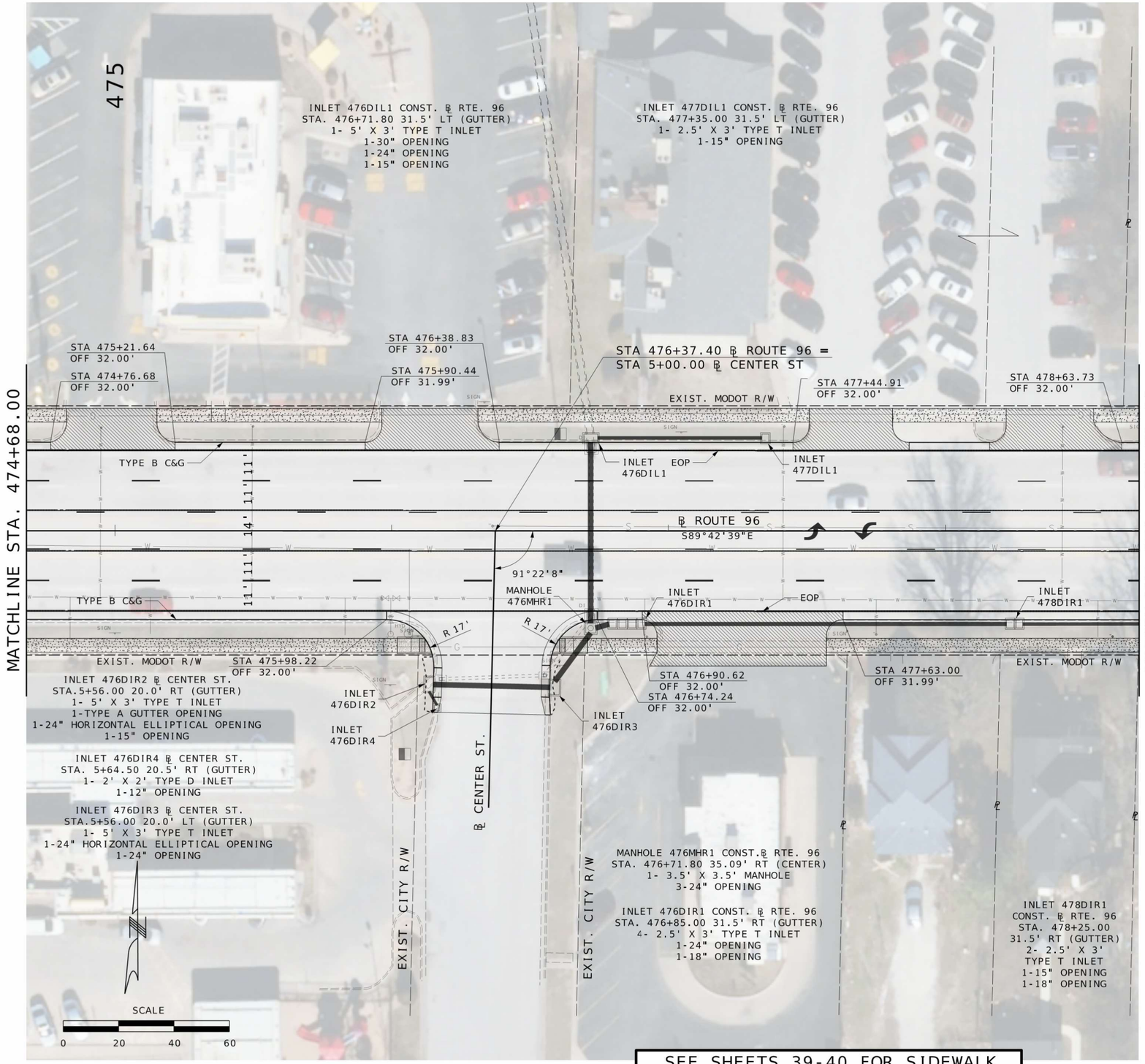
BRIDGE NO.: -

DATE	DESCRIPTION

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

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SEE SHEETS 39-40 FOR SIDEWALK AND DRIVEWAY INFORMATION

PLAN SHEET 9 OF 15

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	35

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

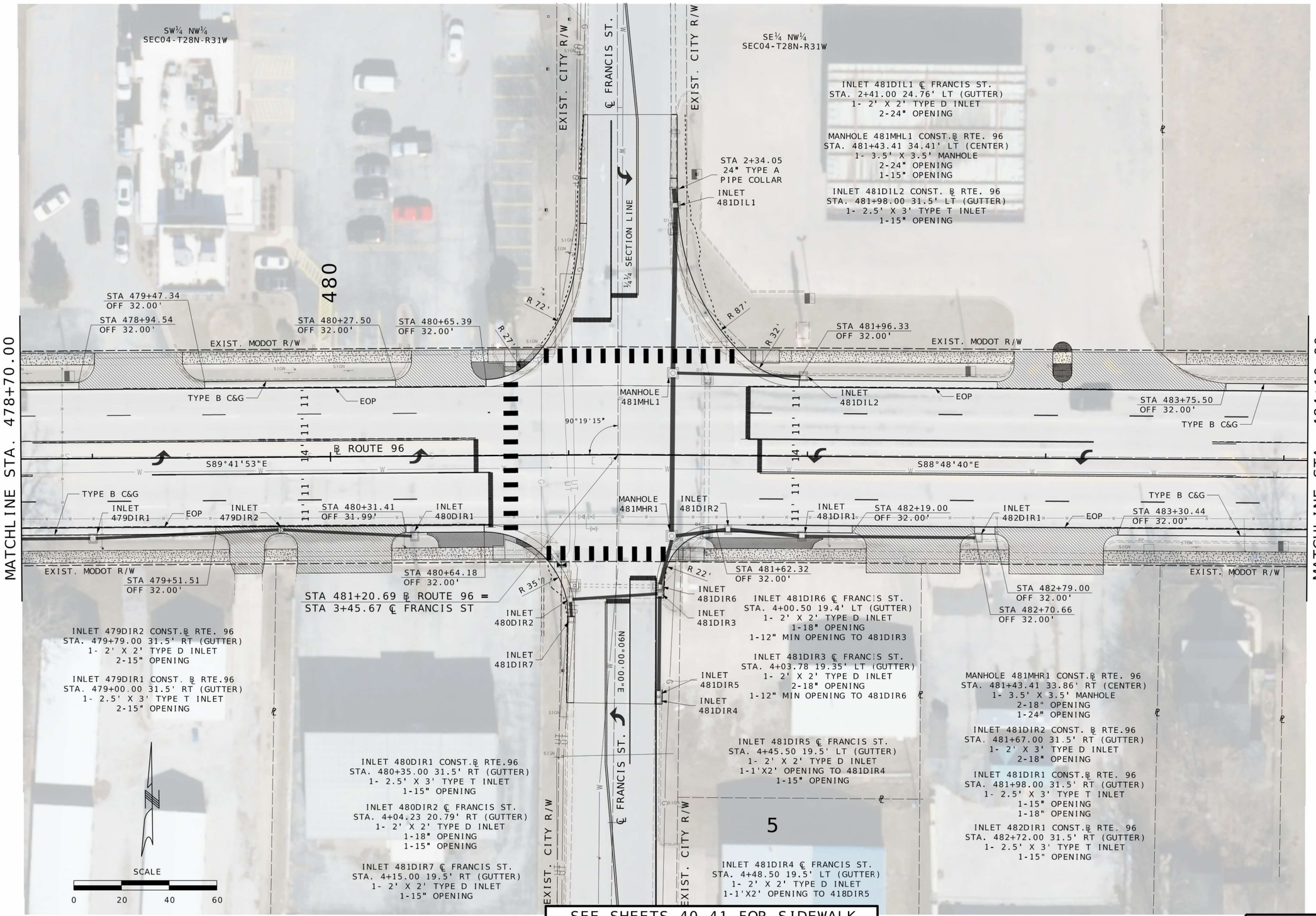
BRIDGE NO.
-

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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MATCHLINE STA. 478+70.00

MATCHLINE STA. 484+10.00

SEE SHEETS 40-41 FOR SIDEWALK AND DRIVEWAY INFORMATION

PLAN SHEET 10 OF 15

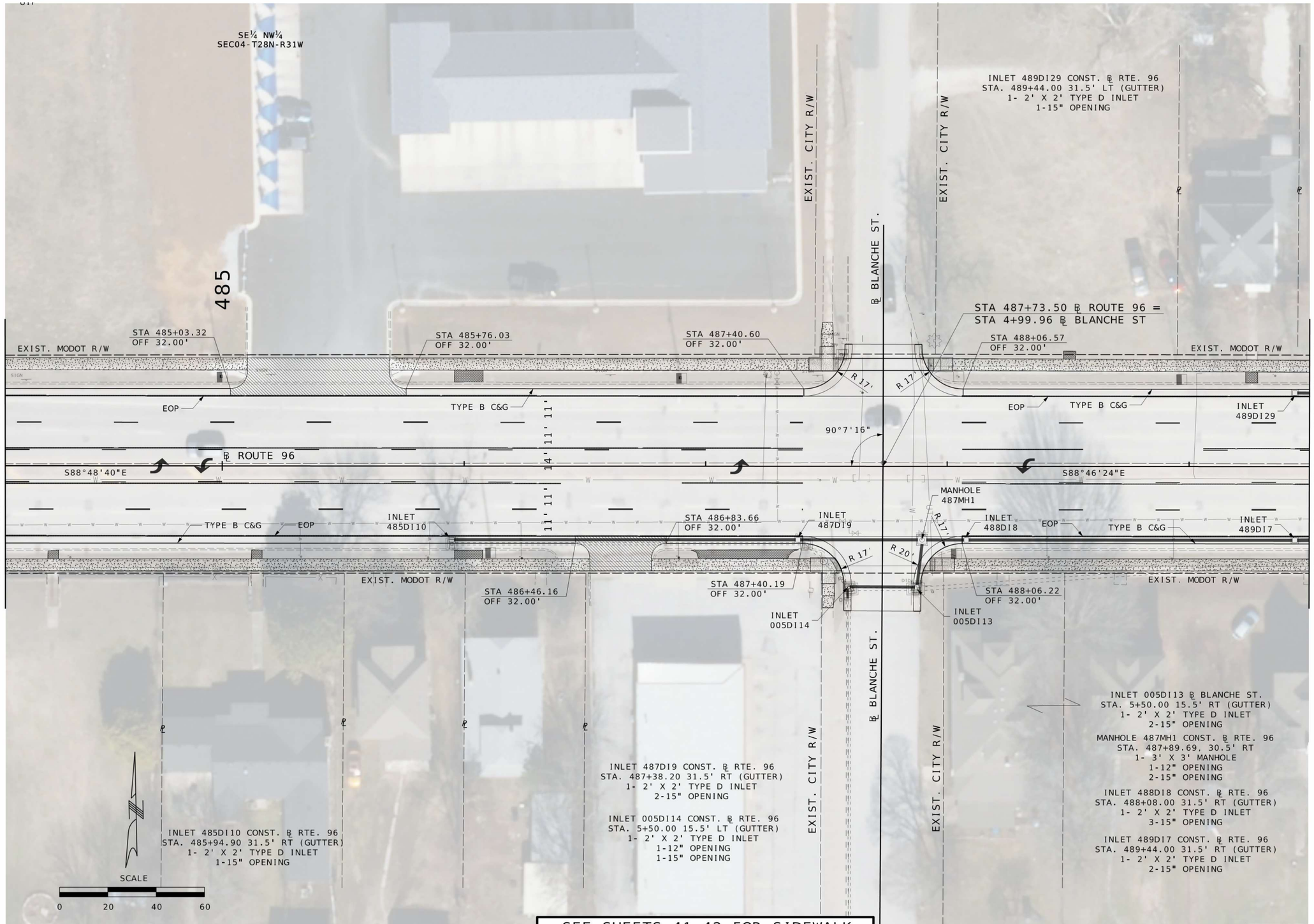
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/29/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	36
COUNTY	JASPER
JOB NO.	JSR0060
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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SEE SHEETS 41-42 FOR SIDEWALK AND DRIVEWAY INFORMATION

PLAN SHEET
11 OF 15

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

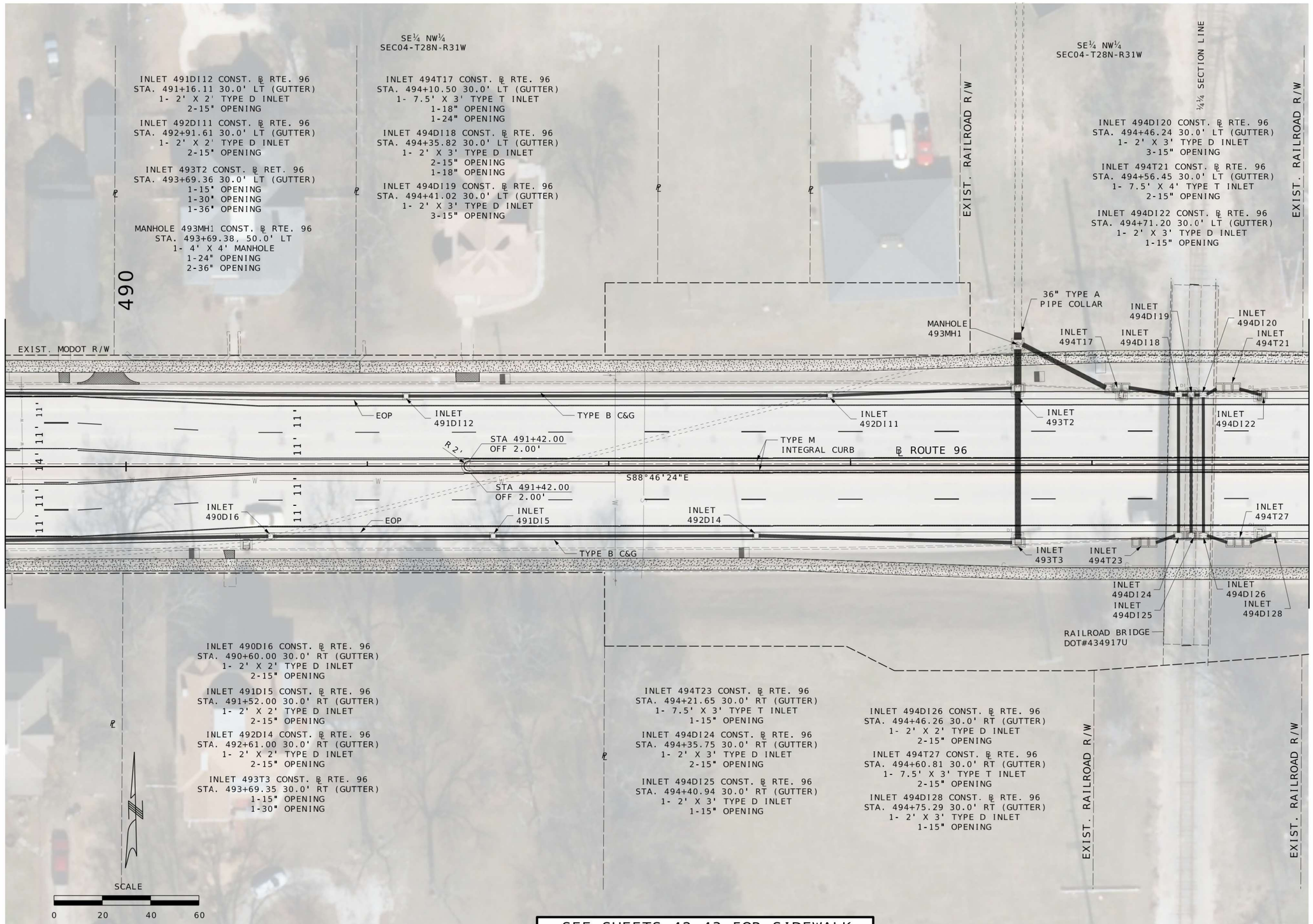
DATE PREPARED	9/29/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	37
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

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
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...\037_PP_JSR0060_RTE96_Plan-11.dgn 3:28:24 PM 9/29/2026



SEE SHEETS 42-43 FOR SIDEWALK AND DRIVEWAY INFORMATION

PLAN SHEET 12 OF 15

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	38

COUNTY
JASPER

JOB NO.
JSR0060

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 NE¼
SEC04-T28N-R31W

SW¼ NE¼
SEC04-T28N-R31W

INLET 497DIL1 CONST. ℄ RTE. 96
STA. 497+02.00 31.5' LT (GUTTER)
1- 2' X 5' TYPE D INLET
2-36" OPENING

INLET 497DIL2 CONST. ℄ RTE.96
STA. 497+74.00 30.5' LT (GUTTER)
1- 2' X 4' TYPE D INLET
2-36" OPENING

INLET 498DIL1 CONST. ℄ RTE. 96
STA. 498+42.00 31.5' LT (GUTTER)
1- 2' X 4' TYPE D INLET
1-30" OPENING
1-36" OPENING

INLET 499DIL1 CONST. ℄ RTE. 96
STA. 499+10.00 31.5' LT (GUTTER)
1- 2' X 3' TYPE D INLET
2-30" OPENING

STA 496+72.42
USE IN PLACE
DOUBLE 12'X4'
RCB

495

MATCHLINE STA. 494+90.00

EXIST. MODOT R/W

TYPE B C&G

EOP

TYPE M
INTEGRAL CURB

S88°46'24"E

EOP

TYPE B C&G

INLET
496DIL1

STA 497+48.00
OFF 2.00'

STA 497+48.00
OFF 2.00'

INLET
497DIR1

INLET
497DIR2

INLET
497DIL2

INLET
498DIL1

STA 499+31.45
OFF 32.00'

INLET
499DIL1

℄ ROUTE 96

INLET
498DIR1

INLET
499DIR1

11' 11' 14' 11' 11'

STA 497+47.97
OFF 30.50'

STA 497+91.54
OFF 31.35'

STA 498+29.27
OFF 32.00'

EXIST. MODOT R/W

EXIST. MODOT R/W

MATCHLINE STA. 499+80.00

SCALE
0 20 40 60

INLET 497DIR1 CONST. ℄ RTE. 96
STA. 497+00.00 30.0' RT (GUTTER)
1- 2' X 3' TYPE D INLET
2-24" OPENING

INLET 497DIR2 CONST. ℄ RE. 96
STA. 497+75.00 30.5' RT (GUTTER)
1- 2' X 3' TYPE D INLET
2-24" OPENING

INLET 498DIR1 CONST. ℄ RTE. 96
STA. 498+75.00 31.5' RT (GUTTER)
1- 2' X 3' TYPE D INLET
2-24" OPENING

INLET 499DIR1 CONST. ℄ RTE. 96
STA. 499+75.00 31.5' RT (GUTTER)
1- 2' X 2' TYPE D INLET
2-18" OPENING

SEE SHEETS 43-44 FOR SIDEWALK
AND DRIVEWAY INFORMATION

PLAN SHEET
13 OF 15

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	39

COUNTY
JASPER

JOB NO.
JSR0060

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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INLET 501DIL3 CONST. ℄ RTE.96
STA. 501+97.18 115.69' LT (GUTTER)
1- 2' X 2' TYPE D INLET
1-15" OPENING

INLET 501DIL1 CONST. ℄ RTE. 96
STA. 501+94.75 48.28' LT (GUTTER)
1- 2' X 3' TYPE D INLET
1-15" OPENING
1-18" OPENING

INLET 501DIL2 CONST. ℄ RTE. 96
STA. 501+74.00 31.5' LT (GUTTER)
1- 5' X 3.5' TYPE T INLET
1-18" OPENING
1-30" OPENING

INLET 500DIL1 CONST. ℄ RTE. 96
STA. 500+05.00 31.5' LT (GUTTER)
1- 2' X 3' TYPE D INLET
2-30" OPENING

INLET 500DIL2 COSNT. ℄ RTE. 96
STA. 500+86.00 31.5' LT (GUTTER)
1- 2' X 3' TYPE D INLET
2-30" OPENING

EXIST. CITY R/W

℄ McGREGOR ST.

EXIST. CITY R/W

INLET 502DIL2 CONST. ℄ RTE. 96
STA. 502+56.42 113.17' LT (GUTTER)
1- 2' X 2' TYPE D INLET
2-15" OPENING

SW¼ NE¼
SEC04-T28N-R31W

INLET 504DIL1 CONST. ℄ RTE. 96
STA. 504+00.00 32.5' LT (GUTTER)
1- 2' X 3' TYPE D INLET
1-24" OPENING
1-30" OPENING

STA. 502+54.00
15" TYPE A
PIPE COLLAR

INLET 502DIL2

INLET 502DIL3 CONST. ℄ RTE. 96
STA. 502+55.88 51.51' LT (GUTTER)
1- 2' X 3' TYPE D INLET
1-15" OPENING
1-18" OPENING

INLET 504DIL2 CONST. ℄ RTE. 96
STA. 504+27.05 33.5' LT (GUTTER)
1- 2' X 3' TYPE D INLET
2-24" OPENING

INLET 504DIL3 CONST. ℄ RTE.96
STA. 504+45.00 33.5' LT (GUTTER)
1- 2' X 3' TYPE D INLET
2-24" OPENING

INLET 502DIL4 CONST. ℄ RTE. 96
STA. 502+76.00 31.5' LT (GUTTER)
1- 5' X 3.5' TYPE T INLET
1-24" OPENING
2-30" OPENING

EXIST. CITY R/W

500

INLET 501DIL3

INLET 501DIL1

STA 500+01.23
OFF 32.00'

EXIST. MODOT R/W

STA 501+77.02
OFF 32.00'

TYPE B C&G

INLET 502DIL3

STA 502+73.46
OFF 32.00'

STA 503+72.94
OFF 32.00'

EXIST. MODOT R/W

STA 504+53.65
OFF 34.00'

STA 504+23.59
OFF 34.00'

MATCHLINE STA. 499+80.00

INLET 500DIL1

EOP

INLET 500DIL2

INLET 501DIL2

R 17'

502+23.49 STA ℄

INLET 502DIL4

TYPE B C&G

EOP

INLET 504DIL1

INLET 504DIL2

INLET 504DIL3

MATCHLINE STA. 504+70.00

90°5'9" POT

℄ ROUTE 96

S88°46'24"E

S88°38'39"E

11' 11' 11' 11'

90°26'

INLET 500DIR1

EOP

INLET 501DIR1

TYPE B C&G

R 17'

INLET 502DIR1

R 17'

TYPE B C&G

EOP

STA 504+59.02
OFF 30.00'

STA 500+44.07
OFF 32.00'

STA 500+03.18
OFF 32.00'

STA 500+62.69
OFF 32.00'

STA 501+17.96
OFF 32.00'

STA 501+79.67
OFF 32.00'

STA 502+71.78
OFF 32.00'

STA 503+08.36
OFF 32.00'

STA 503+32.36
OFF 32.00'

STA 503+73.06
OFF 32.00'

STA 504+23.06
OFF 30.00'

EXIST. MODOT R/W

STA 502+26.50 ℄ ROUTE 96 =
STA 5+00.00 ℄ McGREGGOR ST

℄

℄

℄

INLET 500DIR1 CONST. ℄ RTE. 96
STA. 500+50.00 31.5' RT (GUTTER)
1- 2' X 2' TYPE D INLET
2-18" OPENING

INLET 501DIR1 CONST. ℄ RTE.96
STA. 501+25.00 29.5' RT (GUTTER)
1- 2' X 2' TYPE D INLET
2-15" OPENING

EXIST. CITY R/W

℄ McGREGOR ST.

EXIST. CITY R/W

INLET 502DIR1 COSNT. ℄ RTE. 96
STA. 502+75.00 29.5' RT (GUTTER)
1- 2' X 2' TYPE D INLET
2-15" OPENING

EXIST. CITY R/W

SCALE
0 20 40 60

SEE SHEETS 37-38 FOR SIDEWALK
AND DRIVEWAY INFORMATION

PLAN SHEET
14 OF 15

...\040_PP_JSR0060_RTE96_Plan-14.dgn 3:30:26 PM 9/29/2026

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	40

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

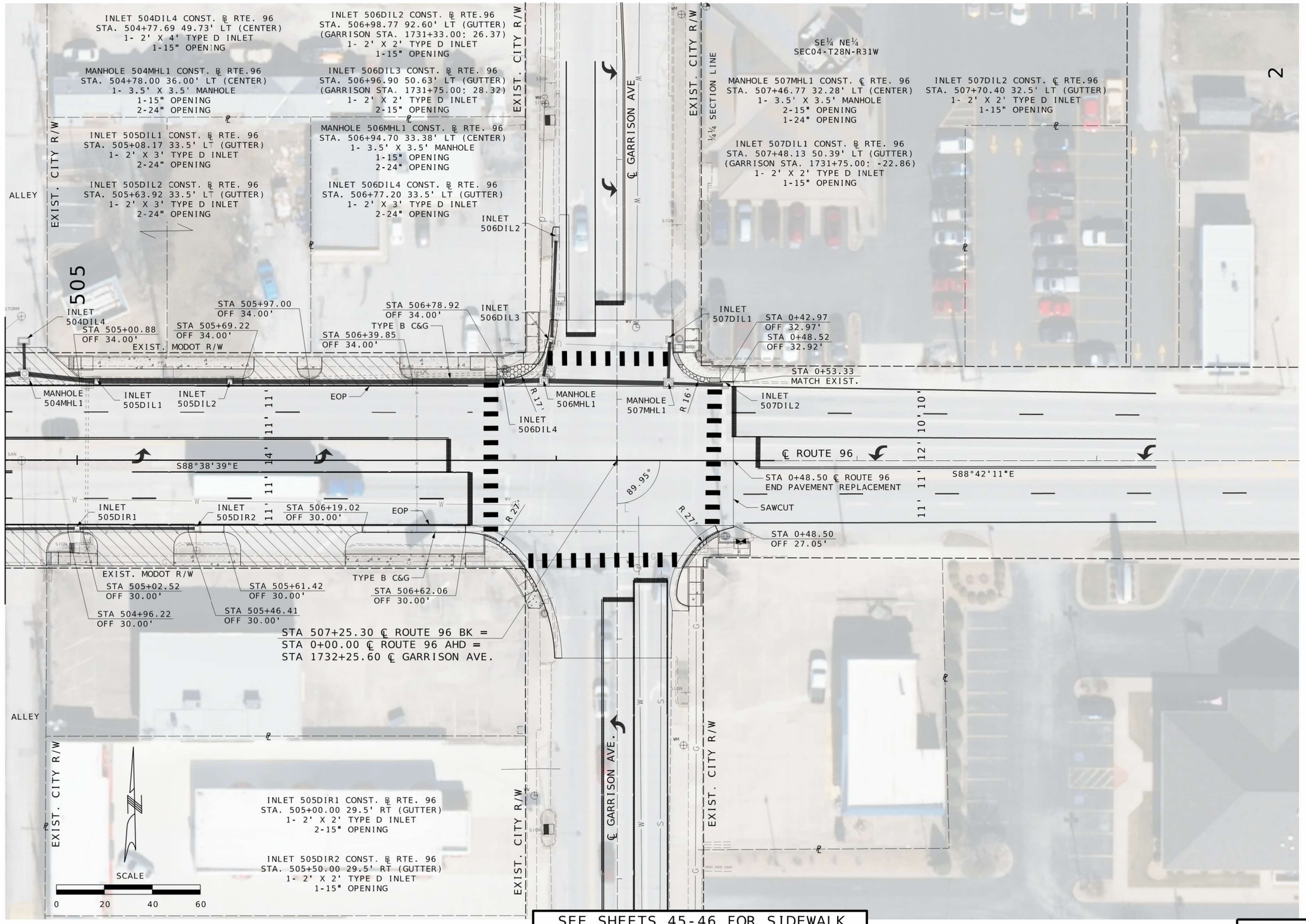
PROJECT NO.
-

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 SHEETS 45-46 FOR SIDEWALK AND DRIVEWAY INFORMATION

PLAN SHEET 15 OF 15

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	41

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

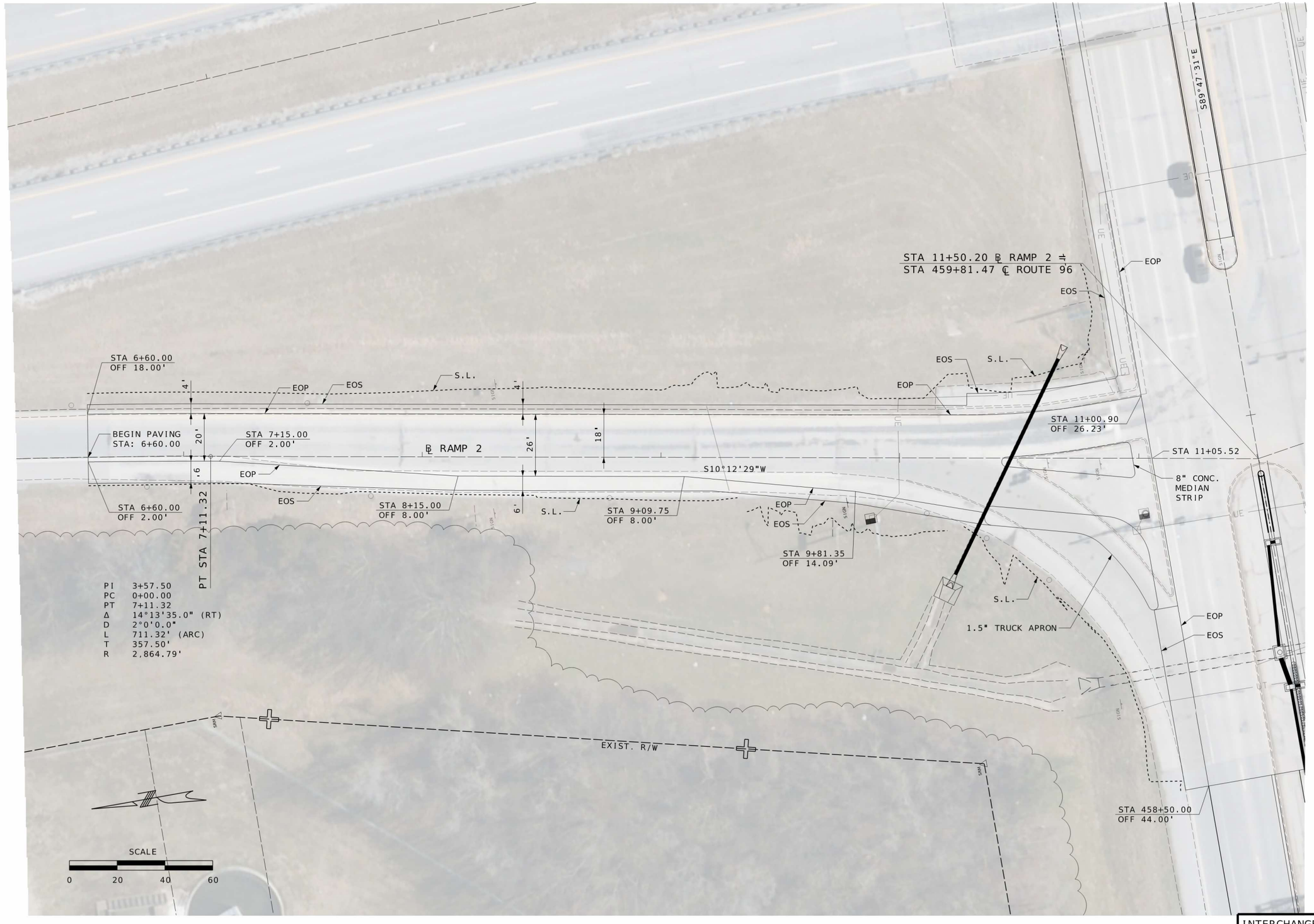
BRIDGE NO.
-

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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INTERCHANGE PLAN
SHEET 1 OF 7

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	42

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

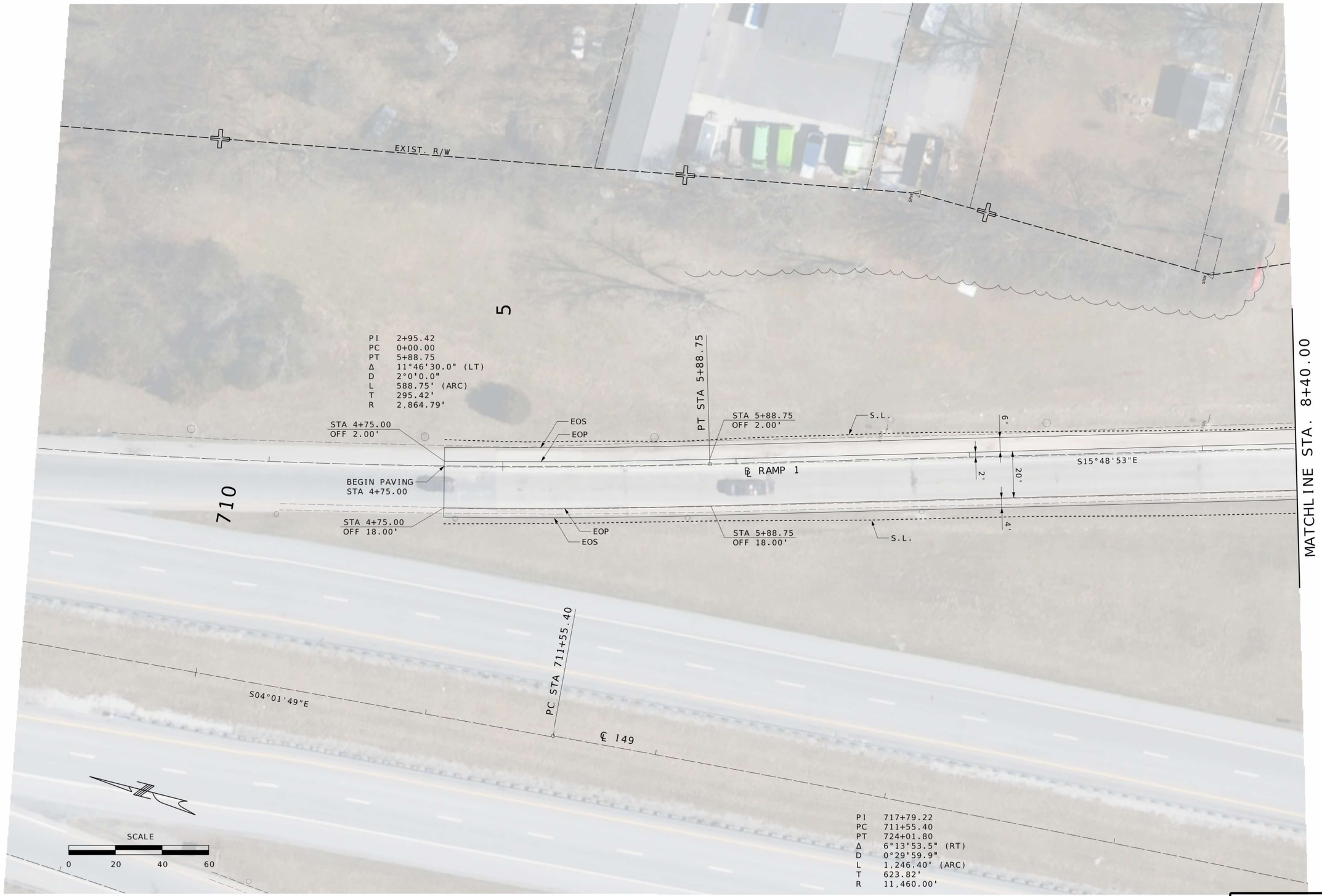
PROJECT NO.
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BRIDGE NO.
-

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
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INTERCHANGE PLAN
SHEET 2 OF 7

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	43

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

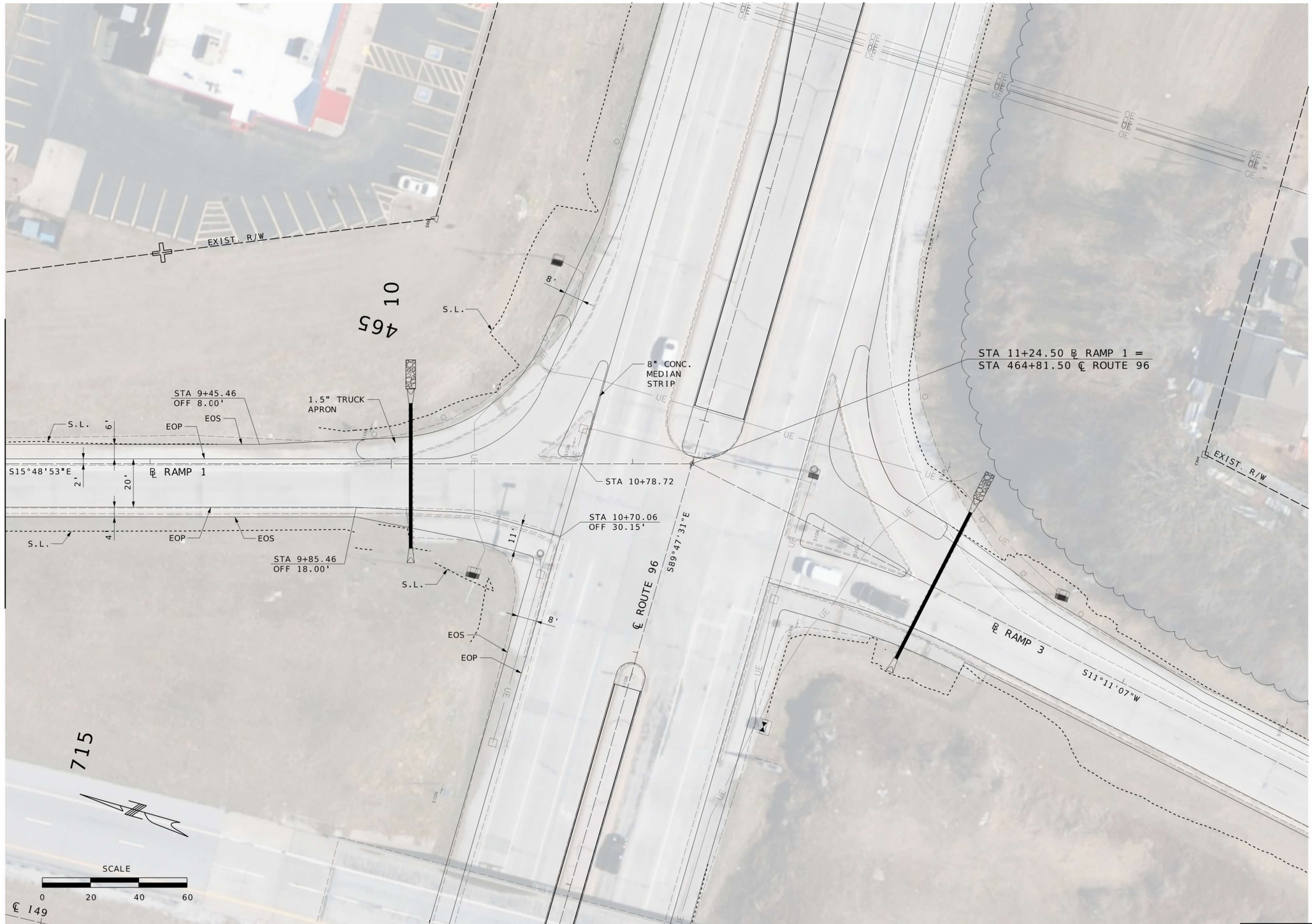
PROJECT NO.
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BRIDGE NO.
-

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
Engineering beyond.



INTERCHANGE PLAN
SHEET 3 OF 7

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	44

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

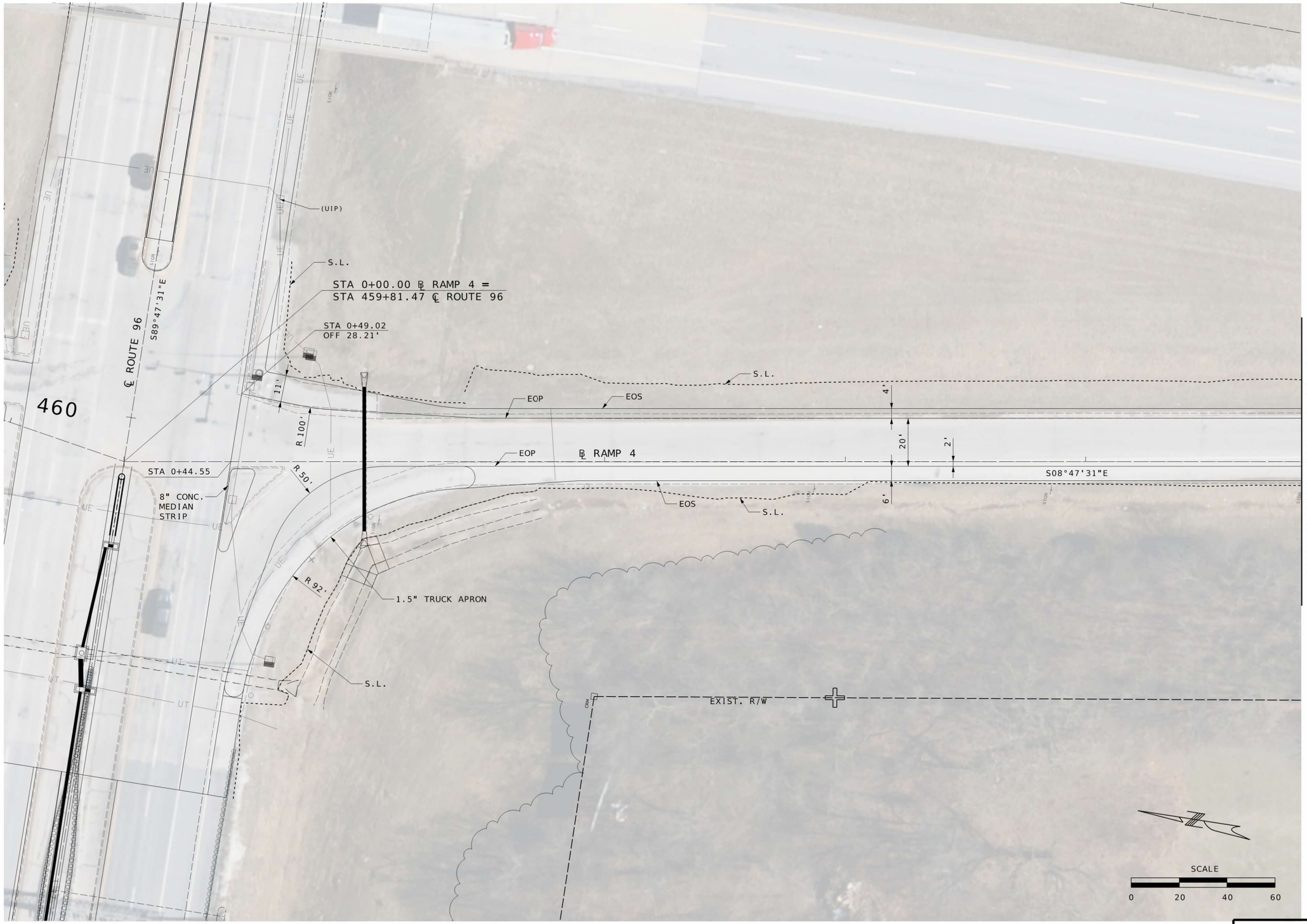
DESCRIPTION	DATE

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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MATCHLINE STA. 4+90.00

INTERCHANGE PLAN
SHEET 4 OF 7

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	45

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

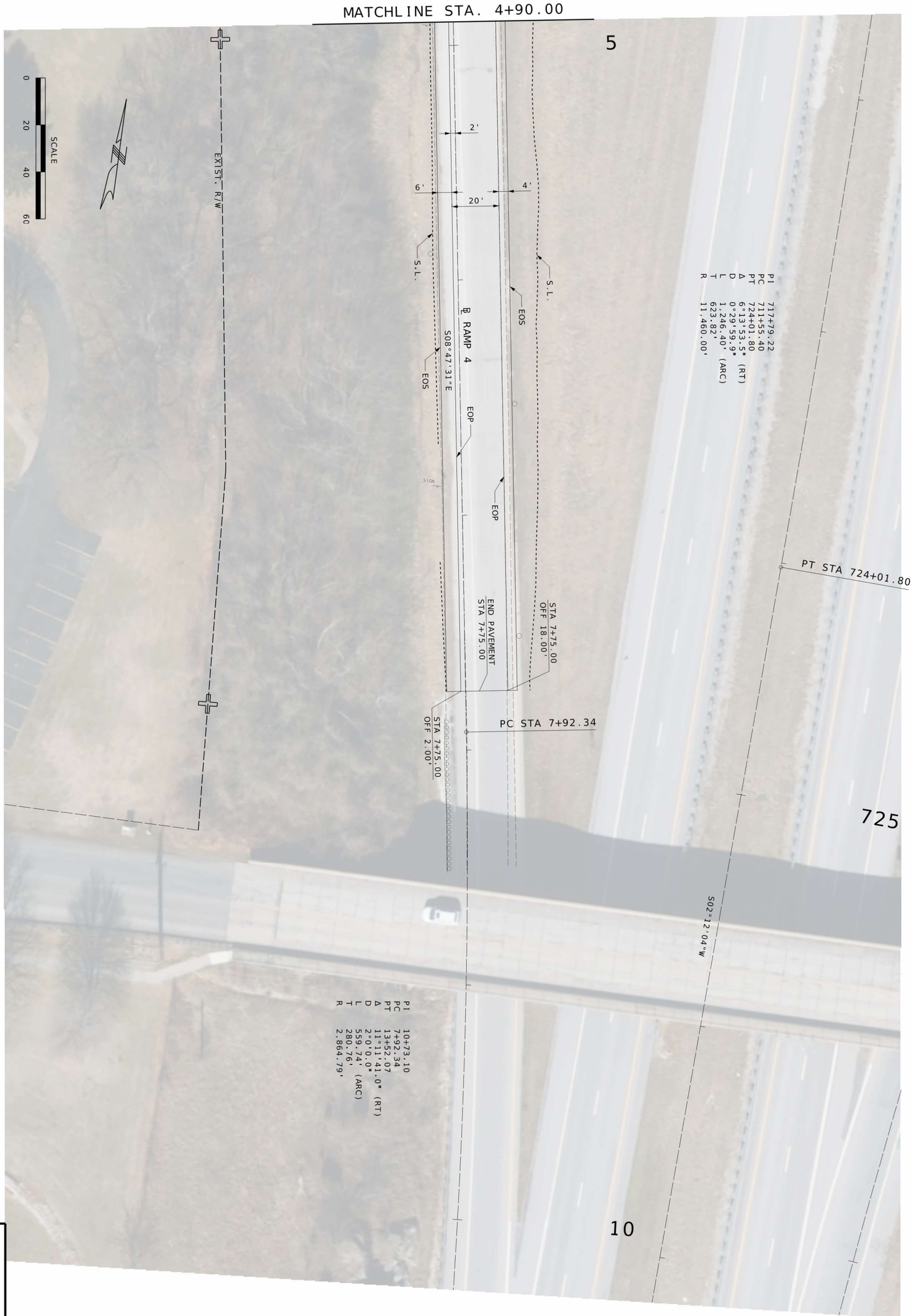
BRIDGE NO.
-

DESCRIPTION	DATE

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

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

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INTERCHANGE PLAN
SHEET 5 OF 7

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

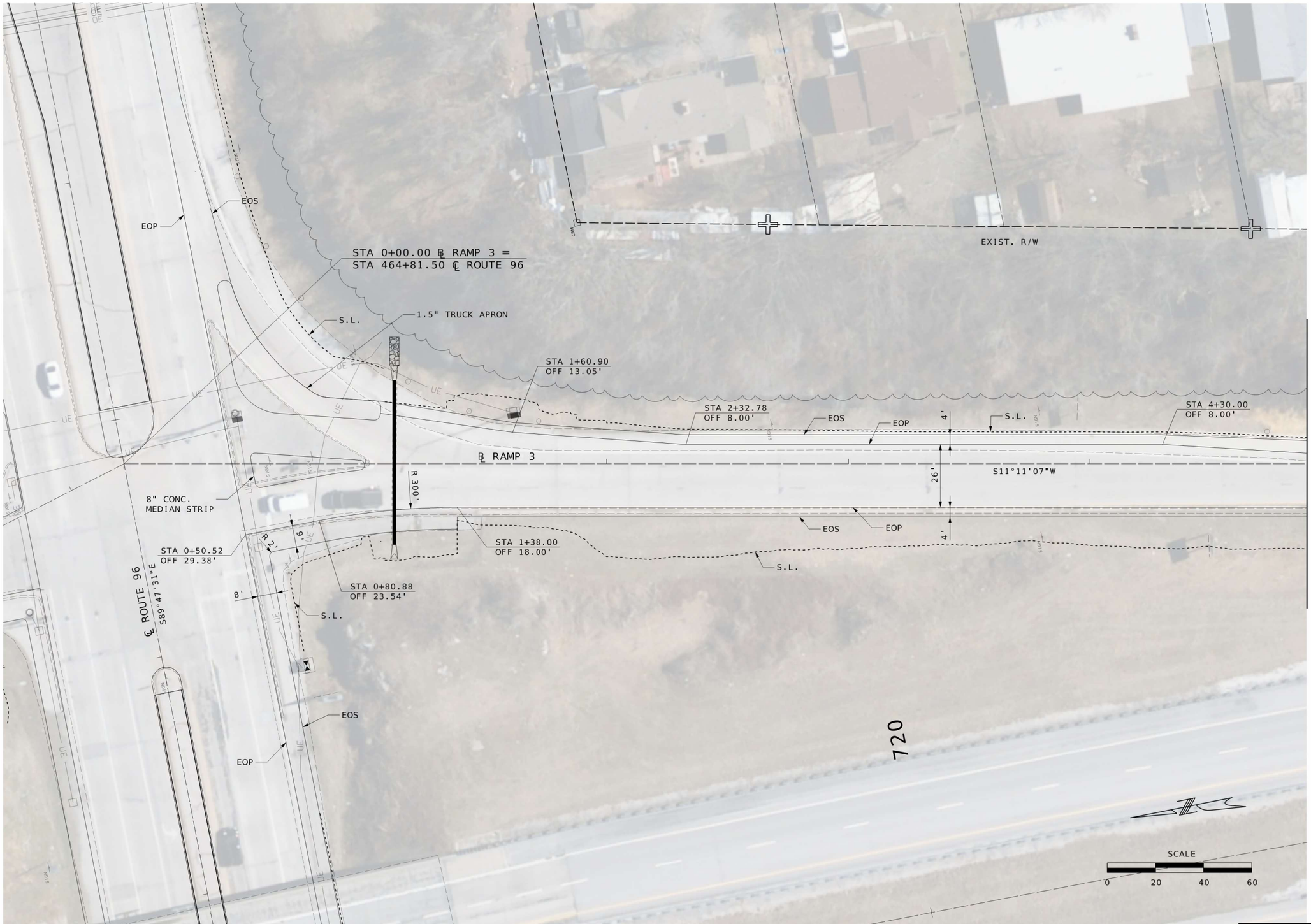
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID.
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 46
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY WAYNE KRAMER
NUMBER E-27133
PROFESSIONAL ENGINEER

...\048_PP_JSR0060_RTE96_Plan-23.dgn 3:25:46 PM 8/7/2026



INTERCHANGE PLAN
SHEET 6 OF 7

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

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	47
COUNTY	JASPER
JOB NO.	JSR0060
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.

EXIST. R/W

5

10

MATCHLINE STA. 4+90.00

STA 5+30.00
OFF 2.00'

6'

EOS

EOP

S.L.

20'

℄ RAMP 3

S11°11'07"W

4'

EOS

EOP

S.L.

PC STA 7+41.16

PI 10+41.50
PC 7+41.16
PT 13+40.61
Δ 8°59'30.0" (LT)
D 1°30'0.0"
L 599.44' (ARC)
T 300.34'
R 3,819.72'

STA 8+00.00
OFF 2.00'

END PAVING
STA 8+00.00

STA 8+00.00
OFF 18.00'

725

PT STA 724+01.80

S02°12'04"W

℄ 149

10

PI 717+79.22
PC 711+55.40
PT 724+01.80
Δ 6°13'53.5" (RT)
D 0°29'59.9"
L 1,246.40' (ARC)
T 623.82'
R 11,460.00'

SCALE

0 20 40 60

INTERCHANGE PLAN
SHEET 7 OF 7

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
SW	48

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

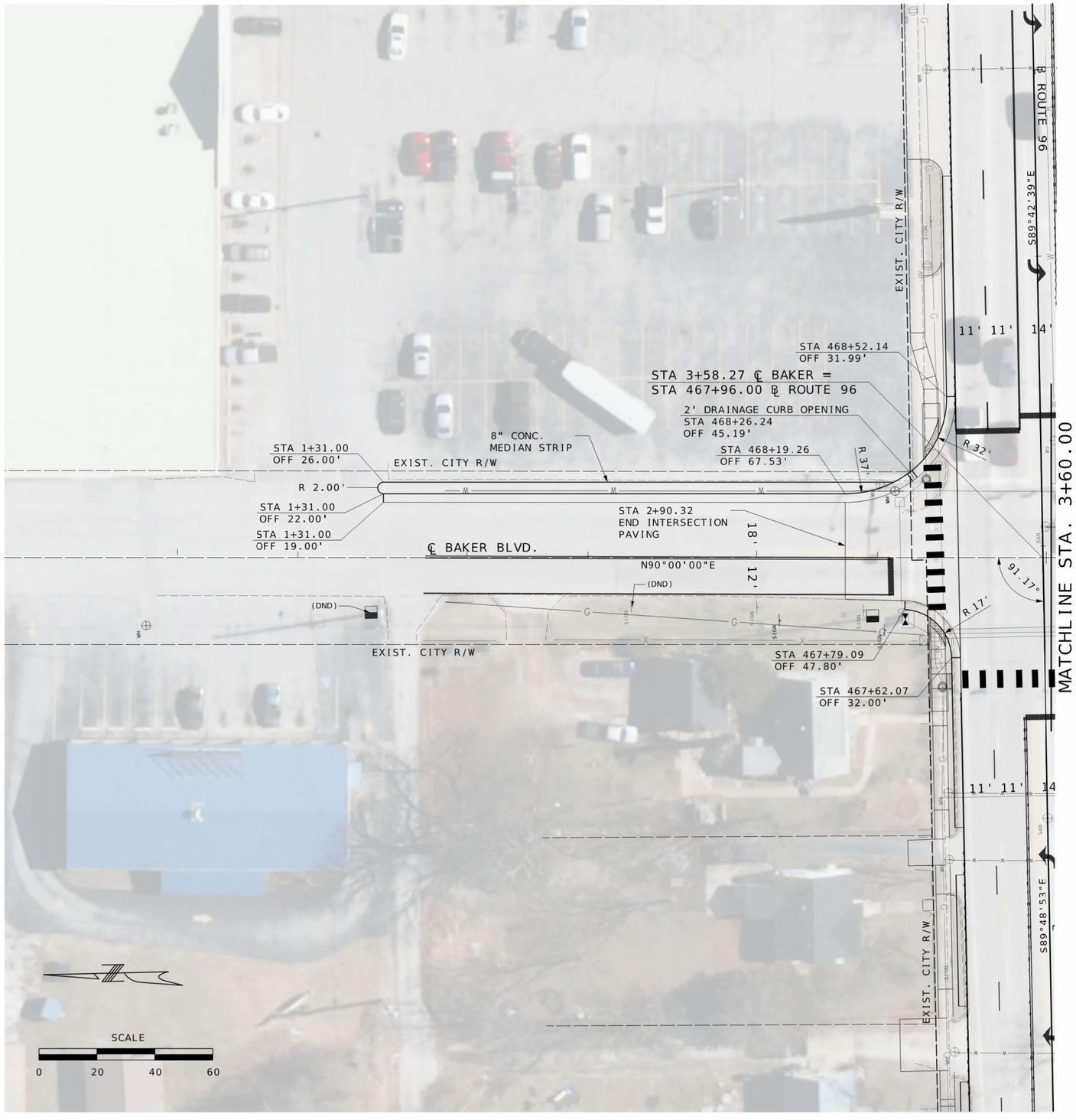
DESCRIPTION	DATE

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
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PLAN SHEET
BAKER BLVD. SHEET
SHEET 1 OF 2

...\049_PP_JSR0060_RTE96_Plan 26.dgn 3:29:25 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	49

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

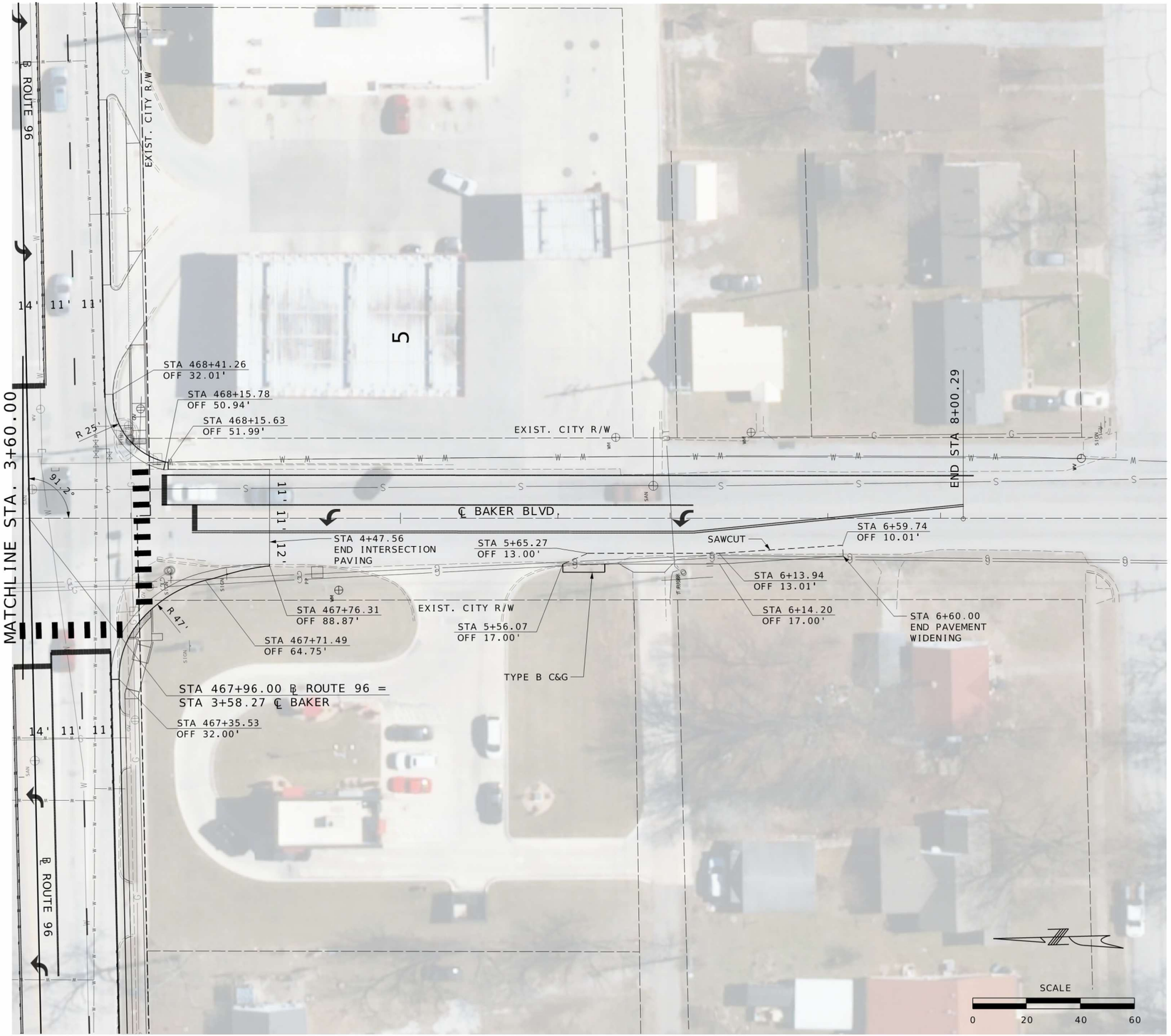
BRIDGE NO.
-

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 SHEET
BAKER BLVD. SHEET
SHEET 2 OF 2

...\050_PP_JSR0060_RTE96_Plan 27.dgn 3:36:38 PM 9/29/2026

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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	50

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

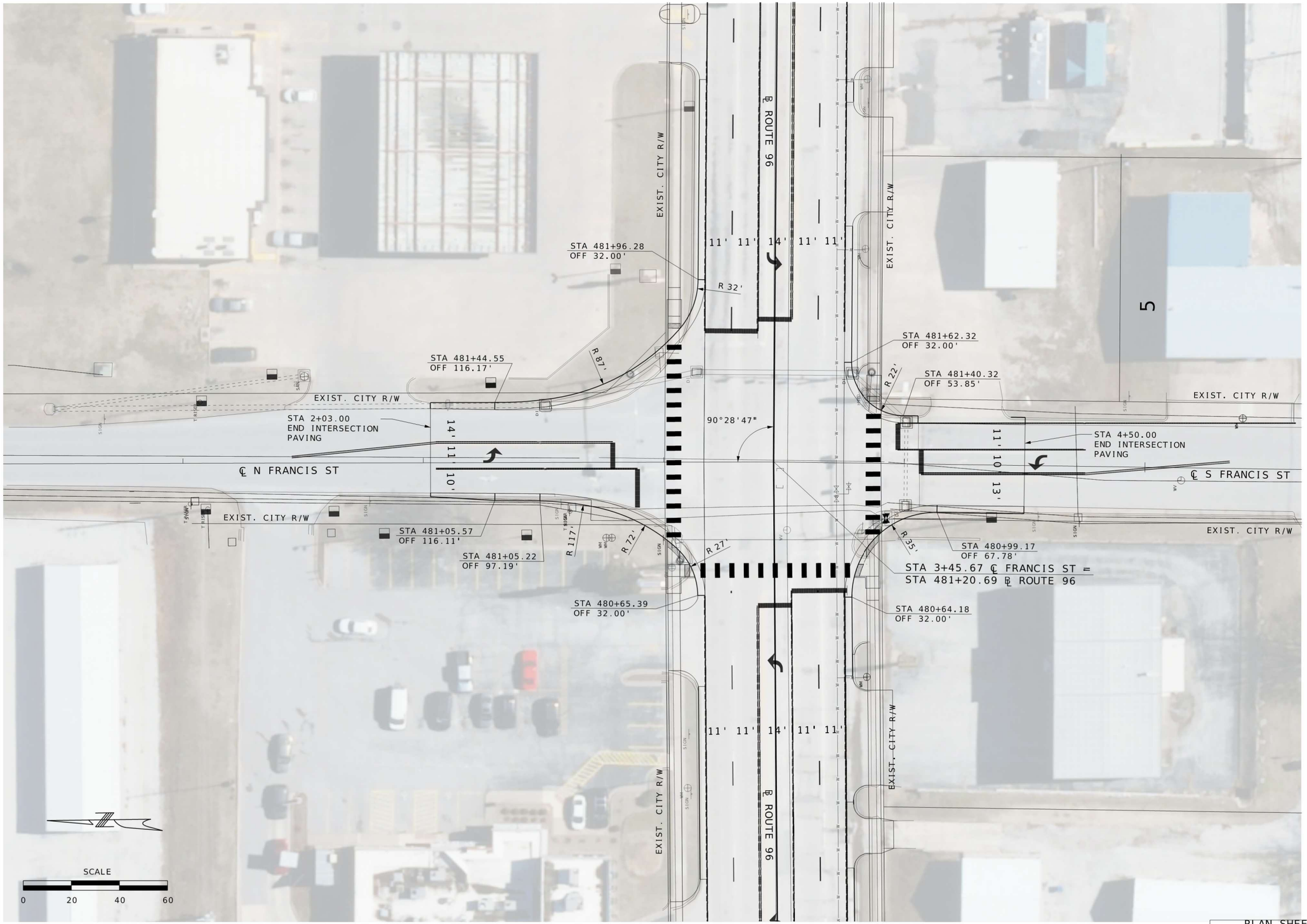
PROJECT NO.
-

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.



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

DATE PREPARED
9/29/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	51

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

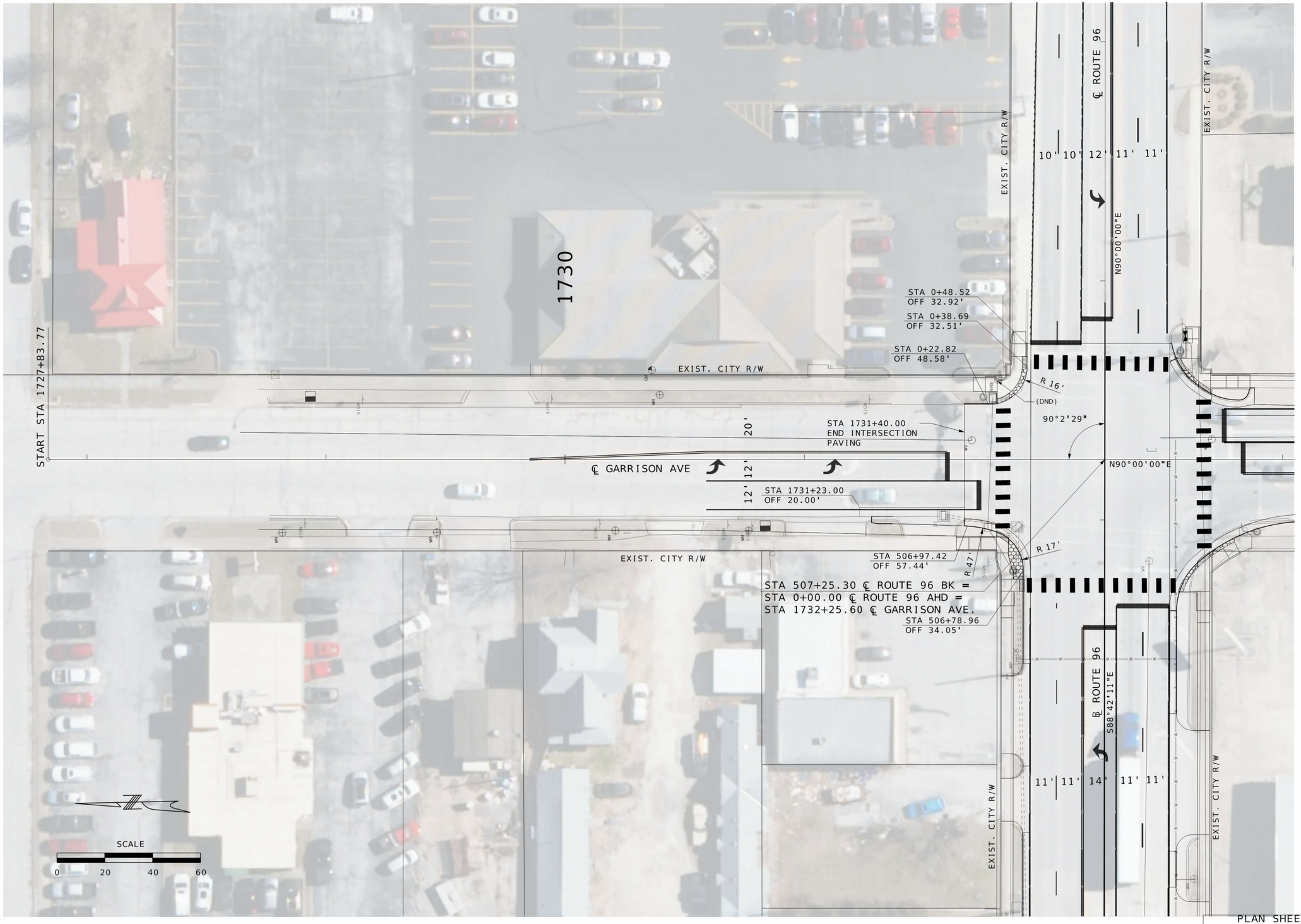
DATE	DESCRIPTION

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 SHEET
FRANCIS ST. SHEET
SHEET 1 OF 1

...\051_PP_JSR0060_RTE96_Plan 28.dgn 3:37:35 PM 9/29/2026



PLAN SHEET
GARRISON AVE. SHEET
SHEET 1 OF 2

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	52

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
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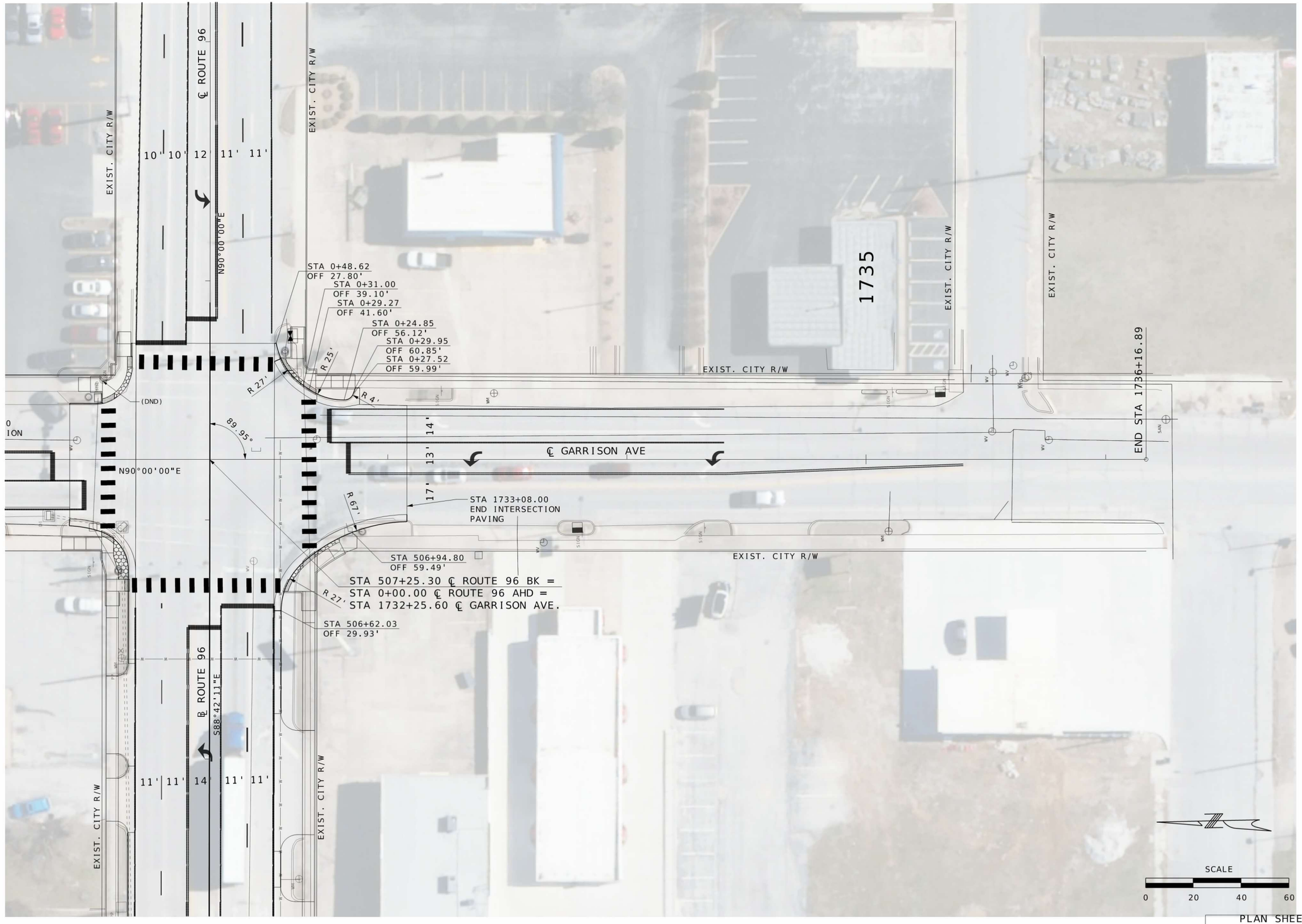
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DESCRIPTION	DATE

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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PLAN SHEET
GARRISON AVE. SHEET
SHEET 2 OF 2

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	53

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
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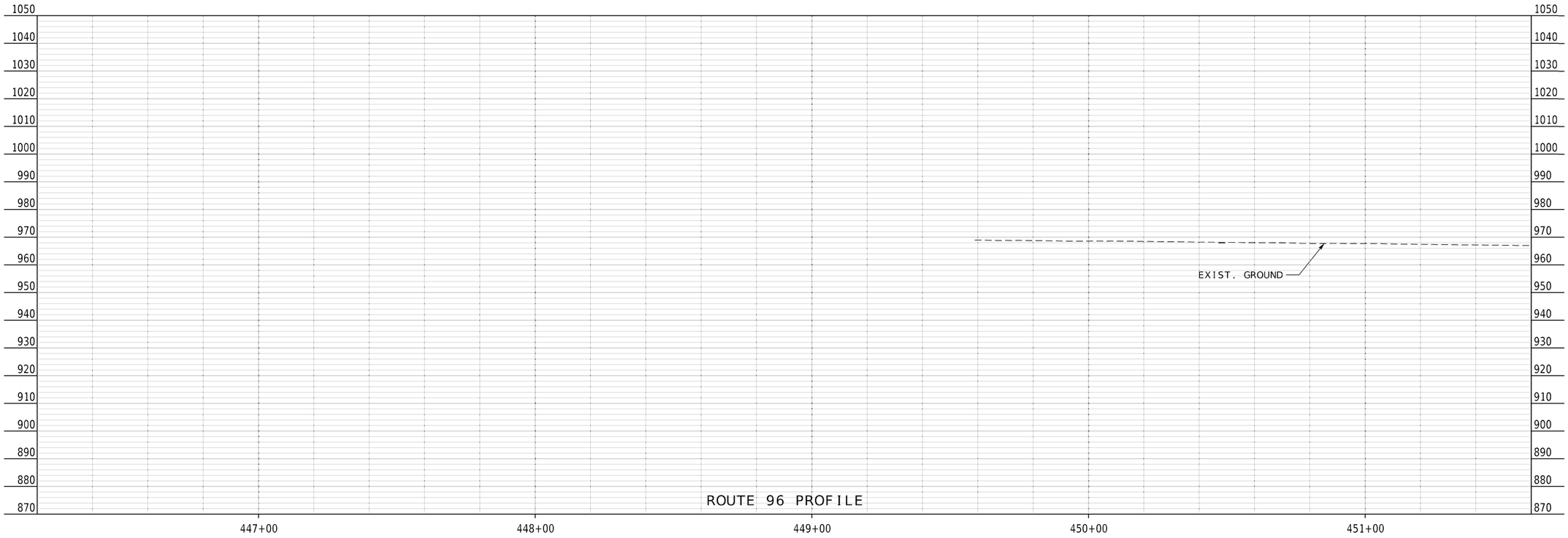
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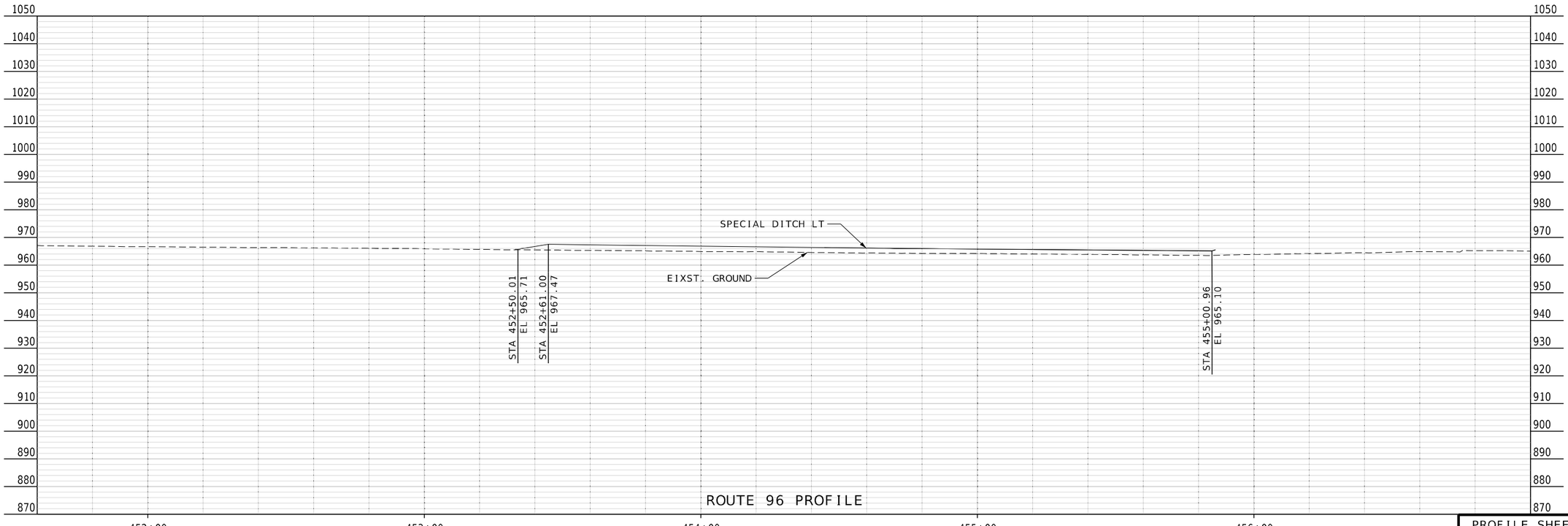
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr.
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COA# 00062
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PROFILE SHEET
1 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	54

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

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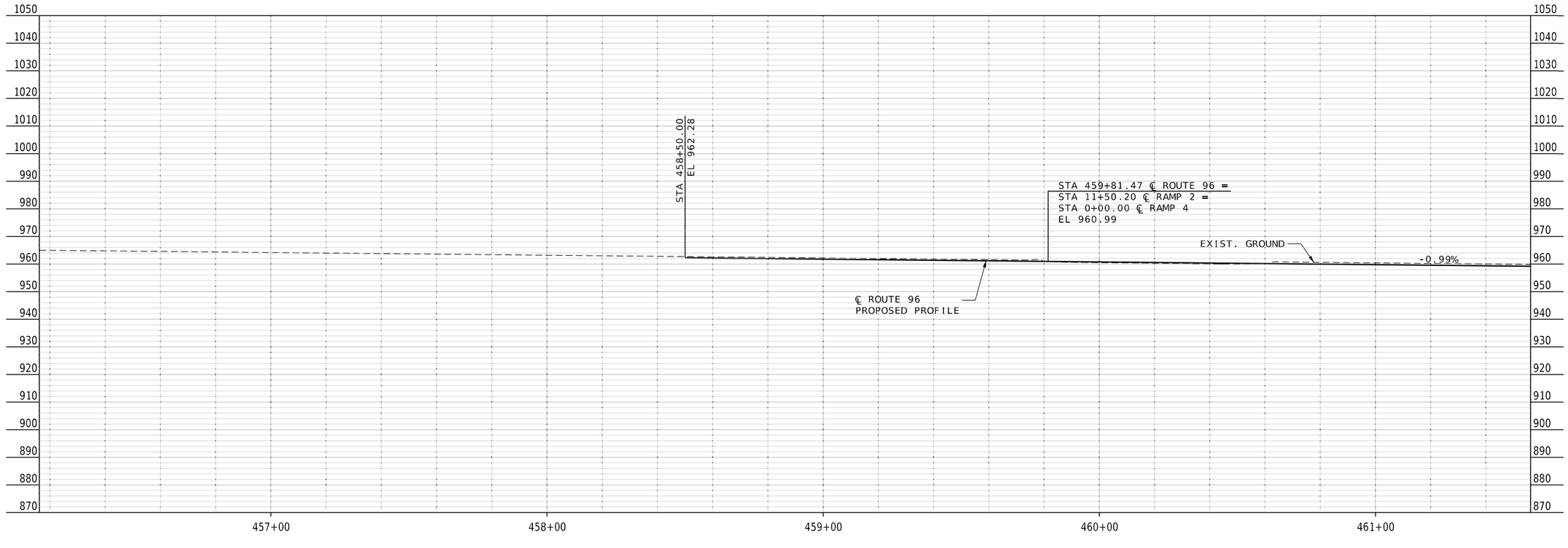
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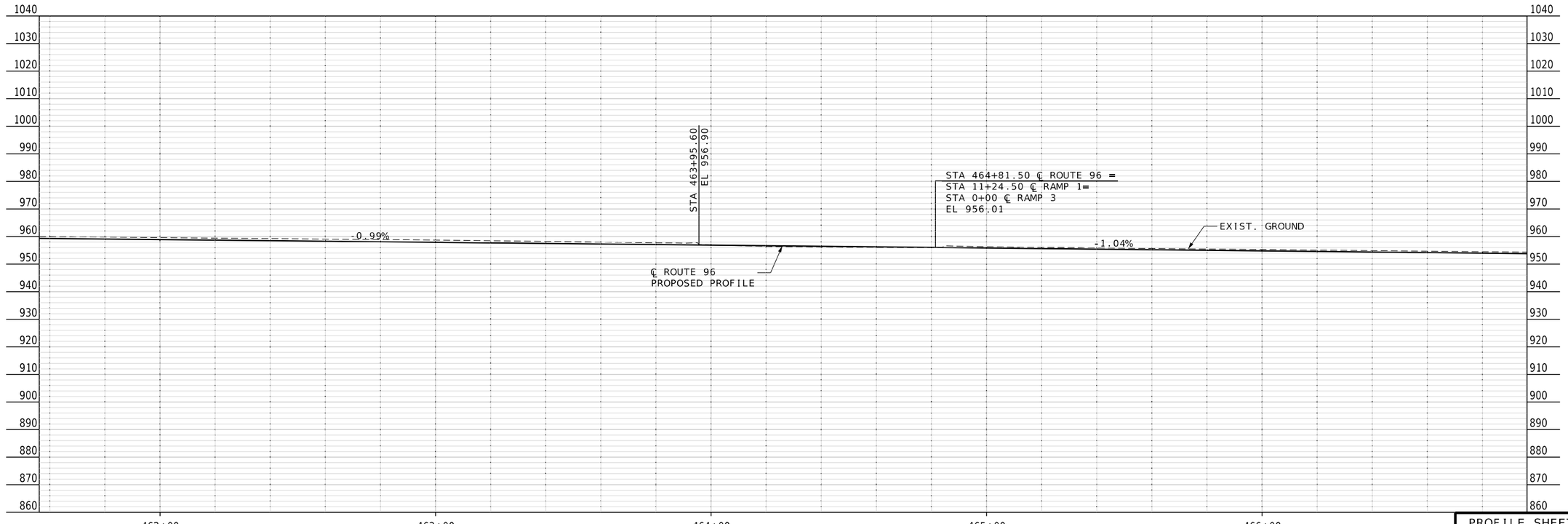
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
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COA# 00062
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PROFILE SHEET
2 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	55

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
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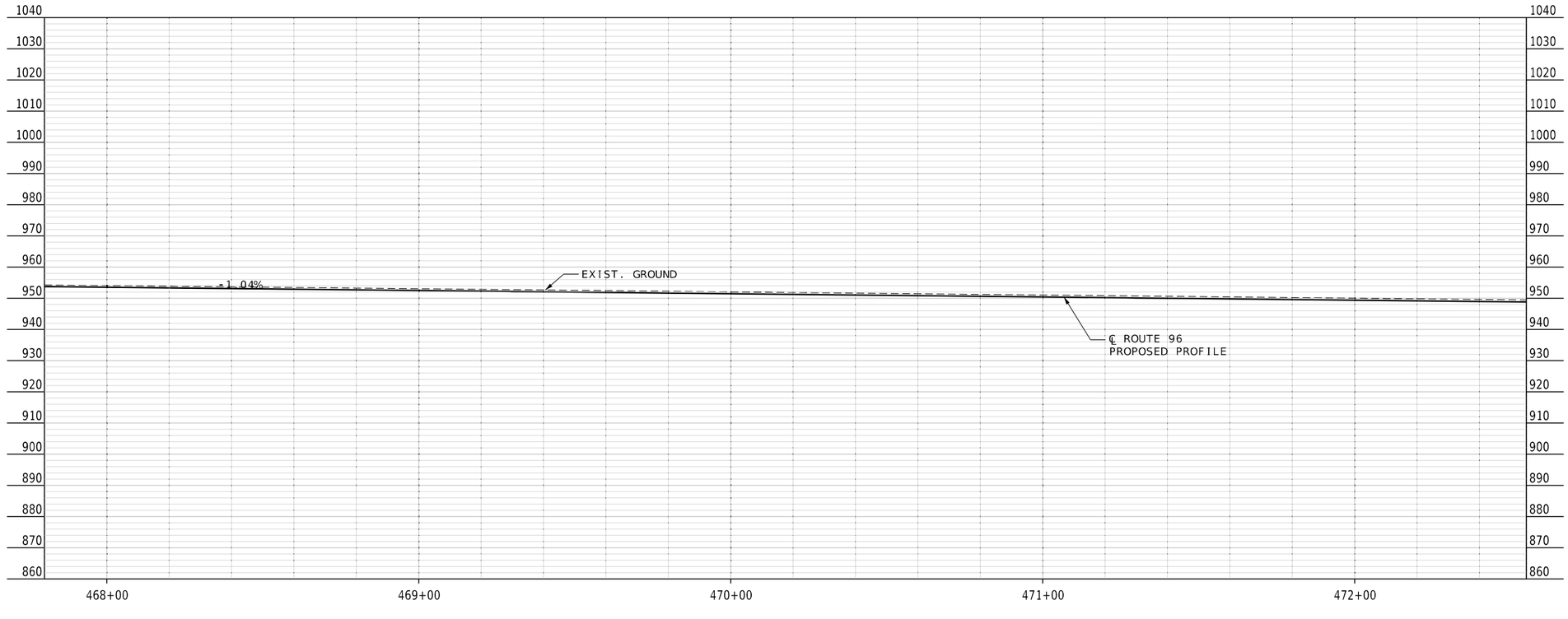
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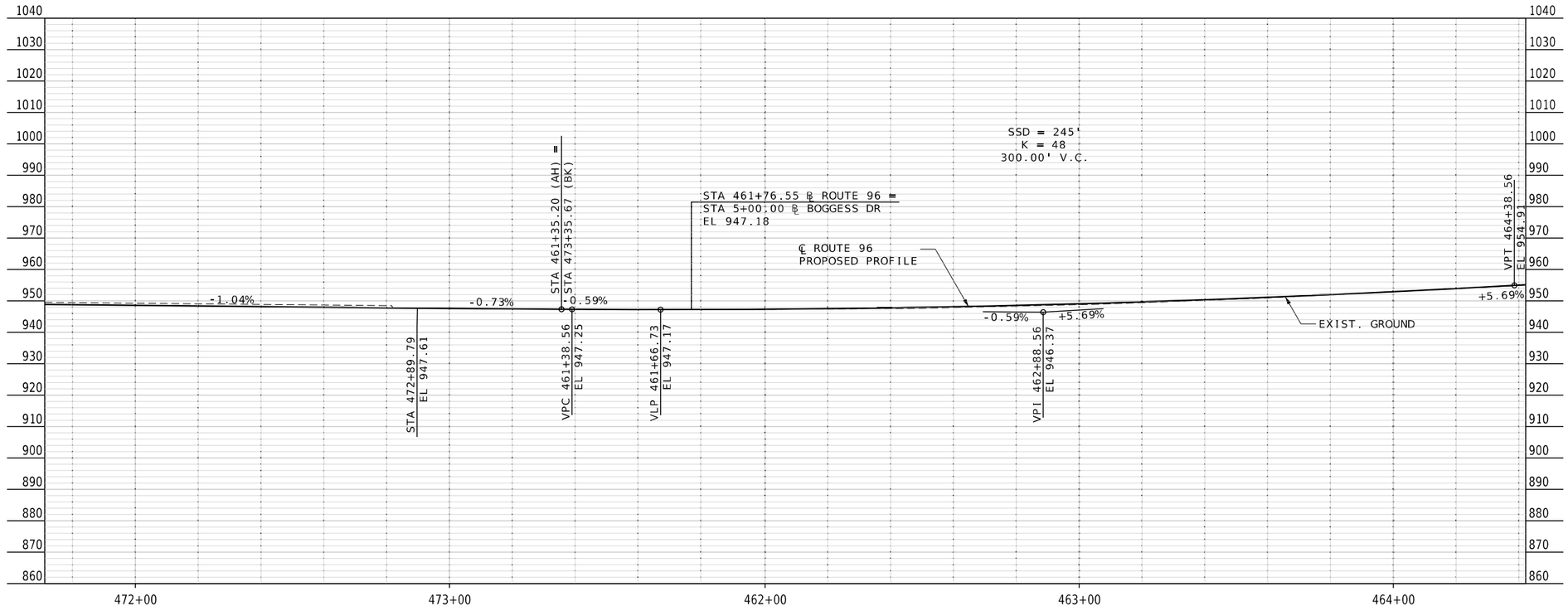
DESCRIPTION	DATE

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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PROFILE SHEET
3 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	56

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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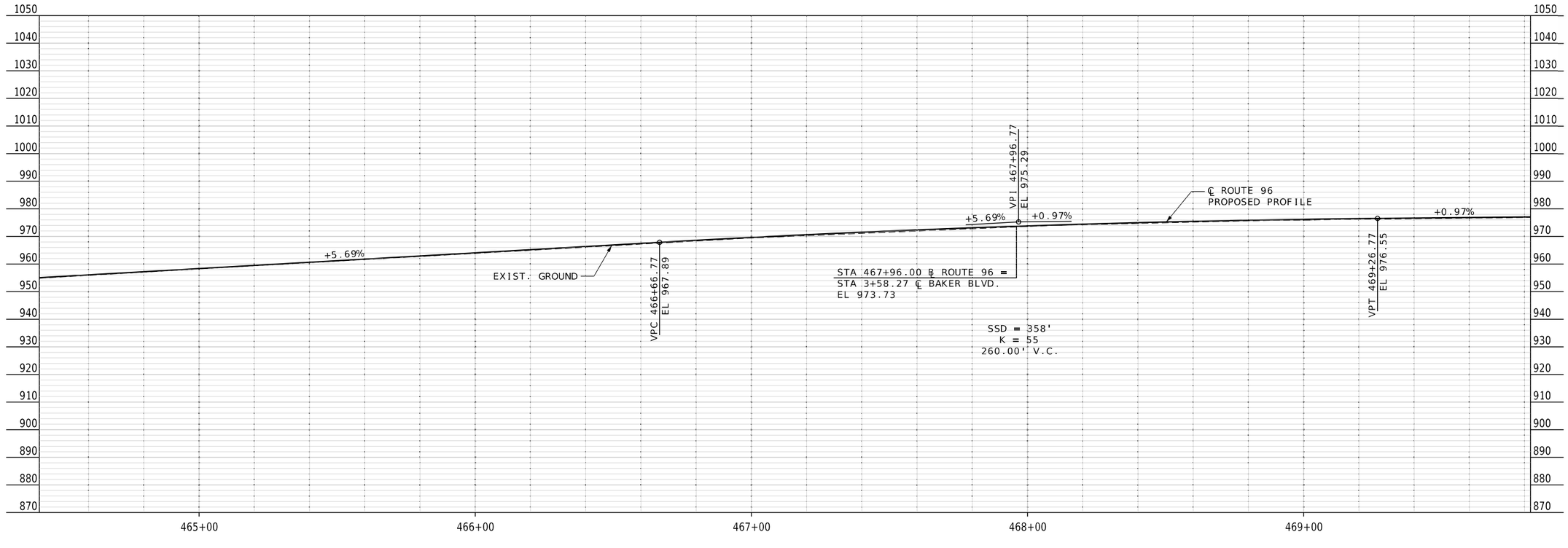
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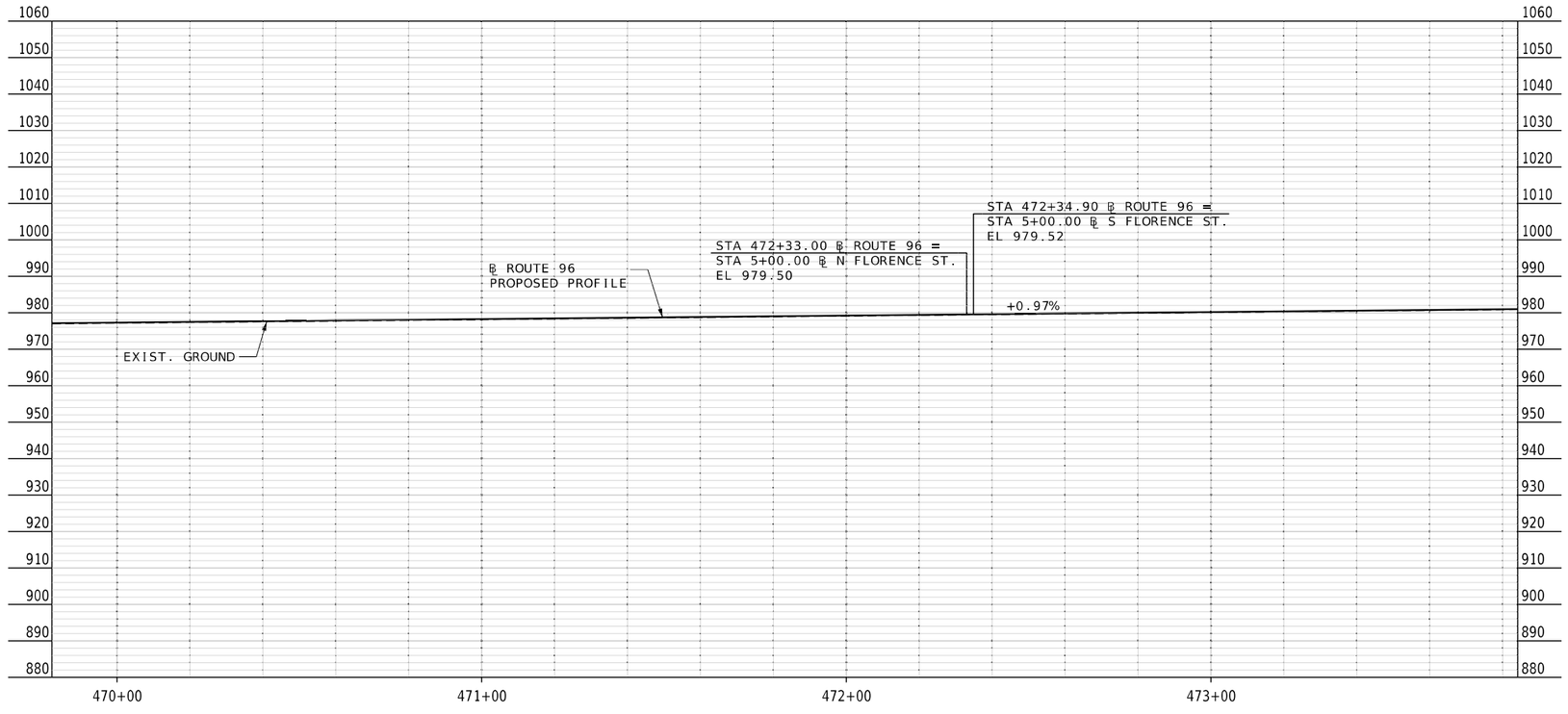
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DESCRIPTION	DATE

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
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Engineering beyond.





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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	57

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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PROJECT NO.
-

BRIDGE NO.
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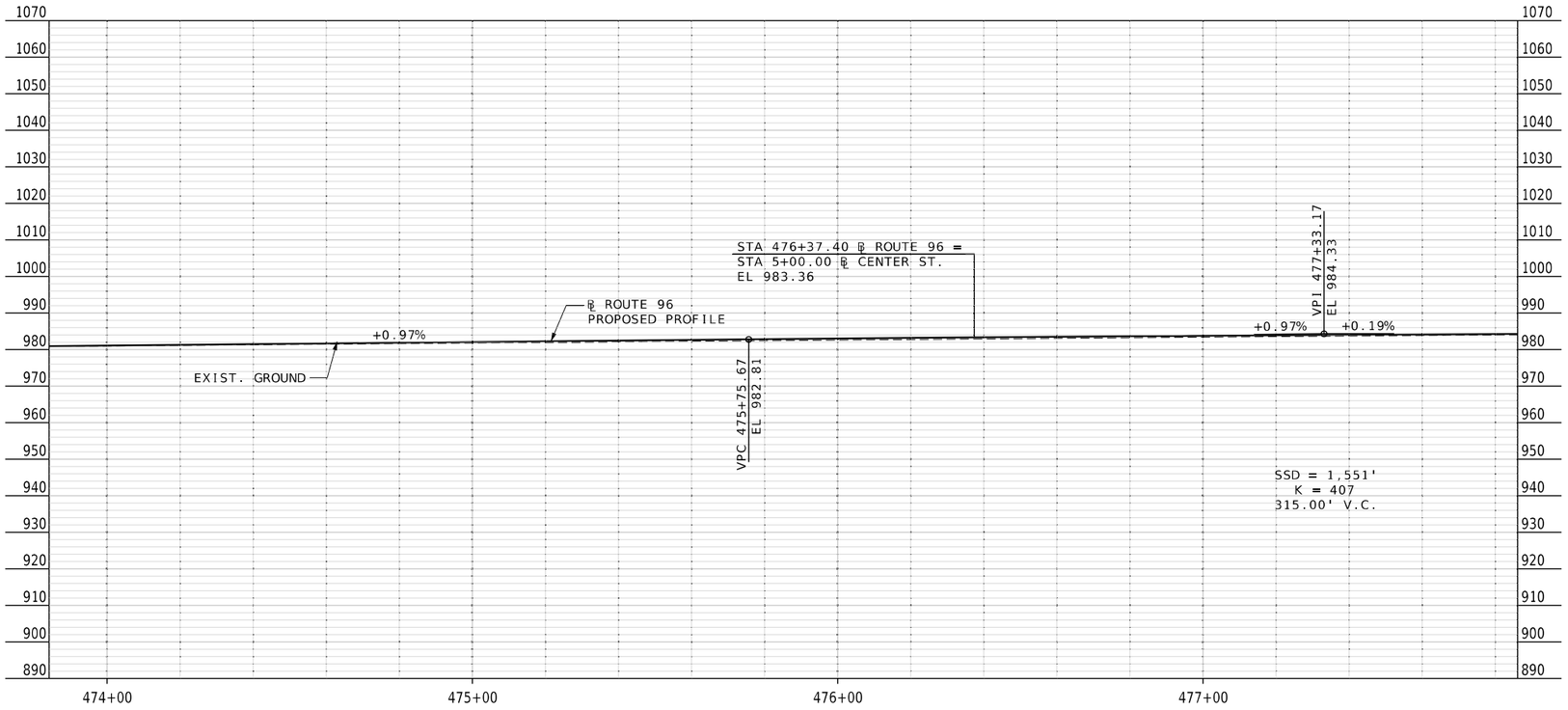
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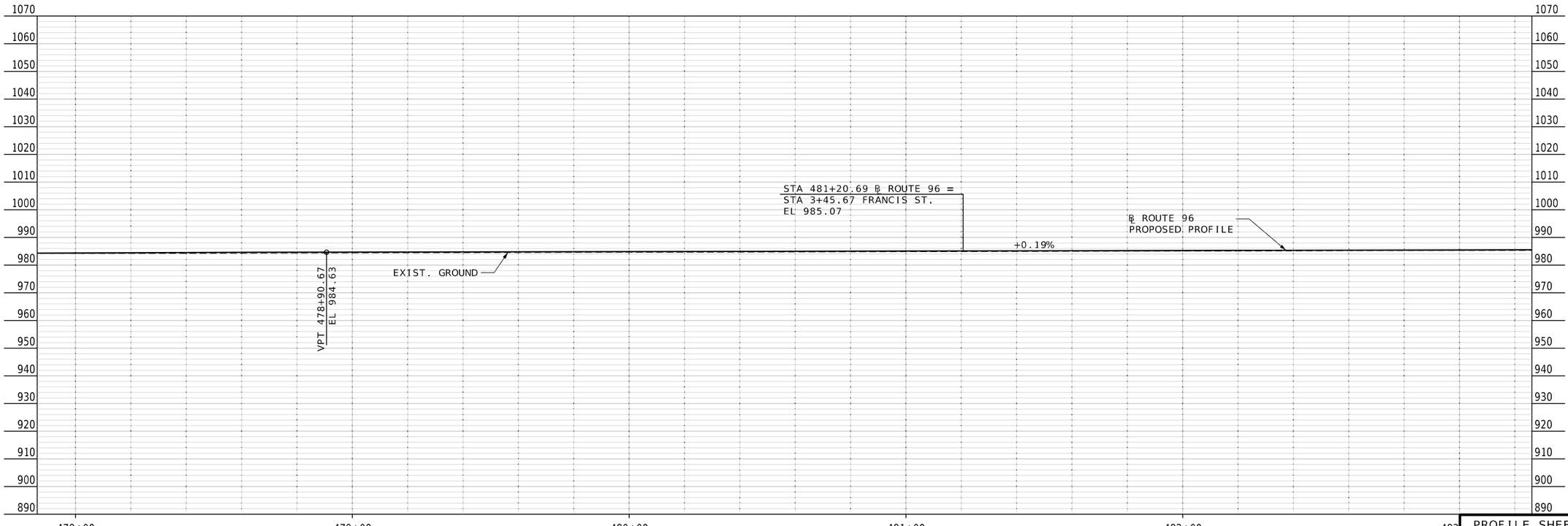
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr.
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PROFILE SHEET
4 OF 12





PROFILE SHEET
5 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	58

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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PROJECT NO.
-

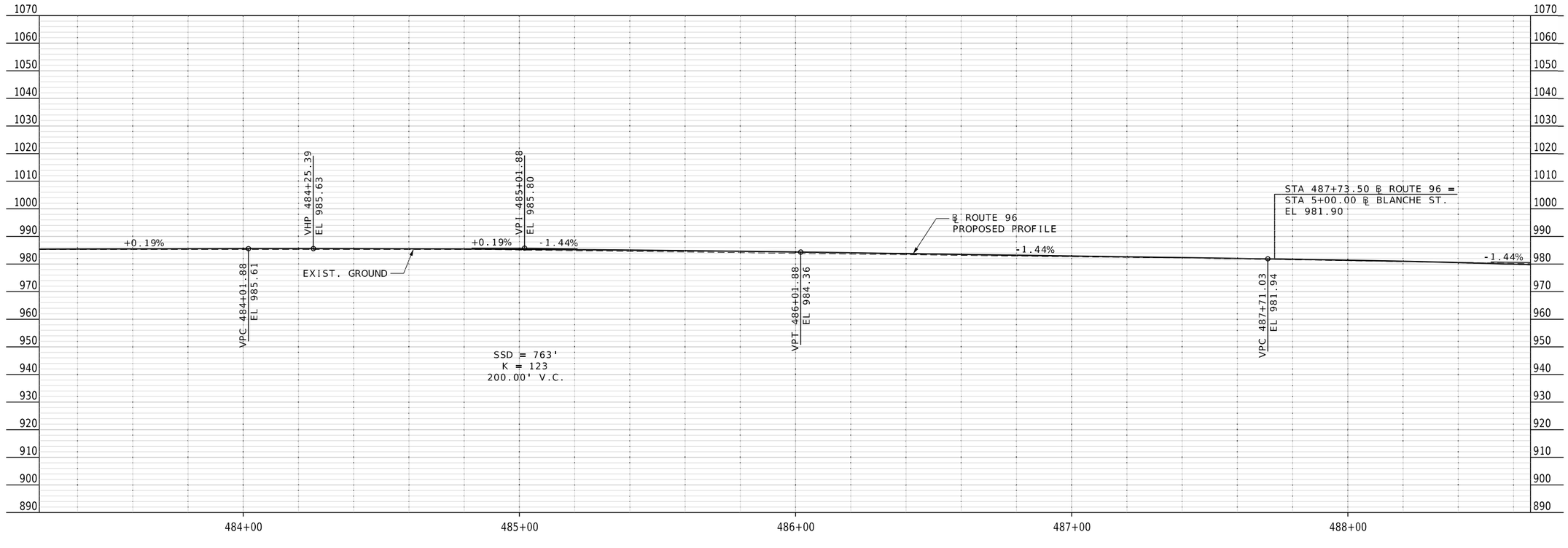
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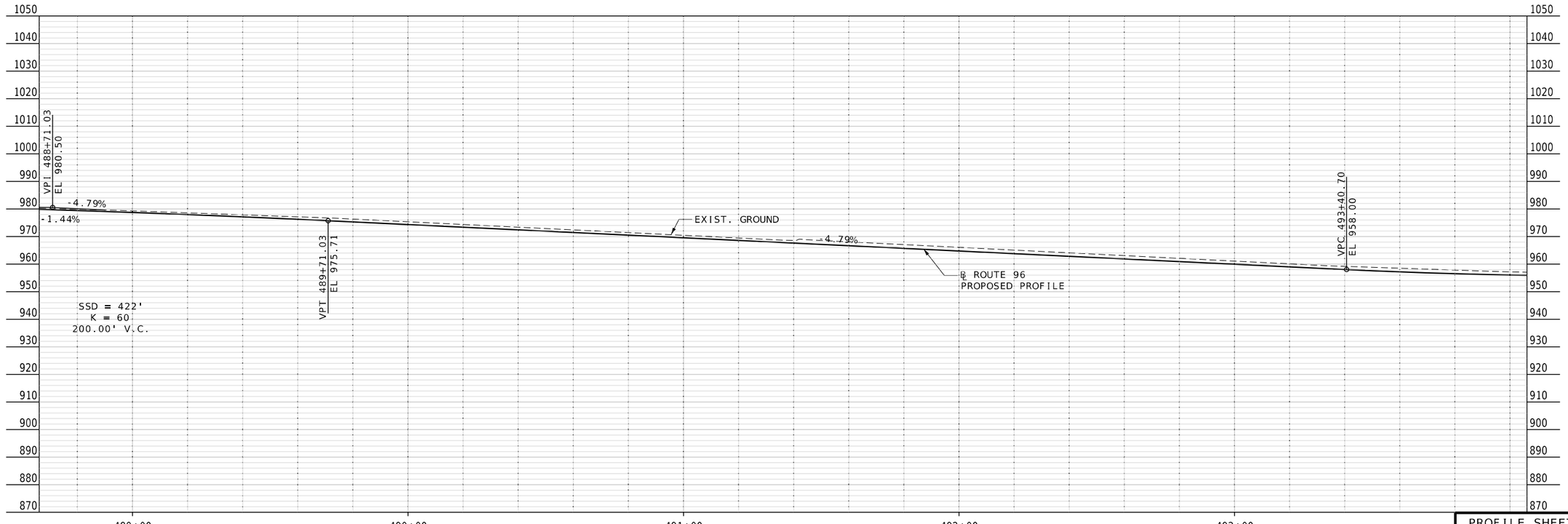
DESCRIPTION	DATE

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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PROFILE SHEET
6 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	59

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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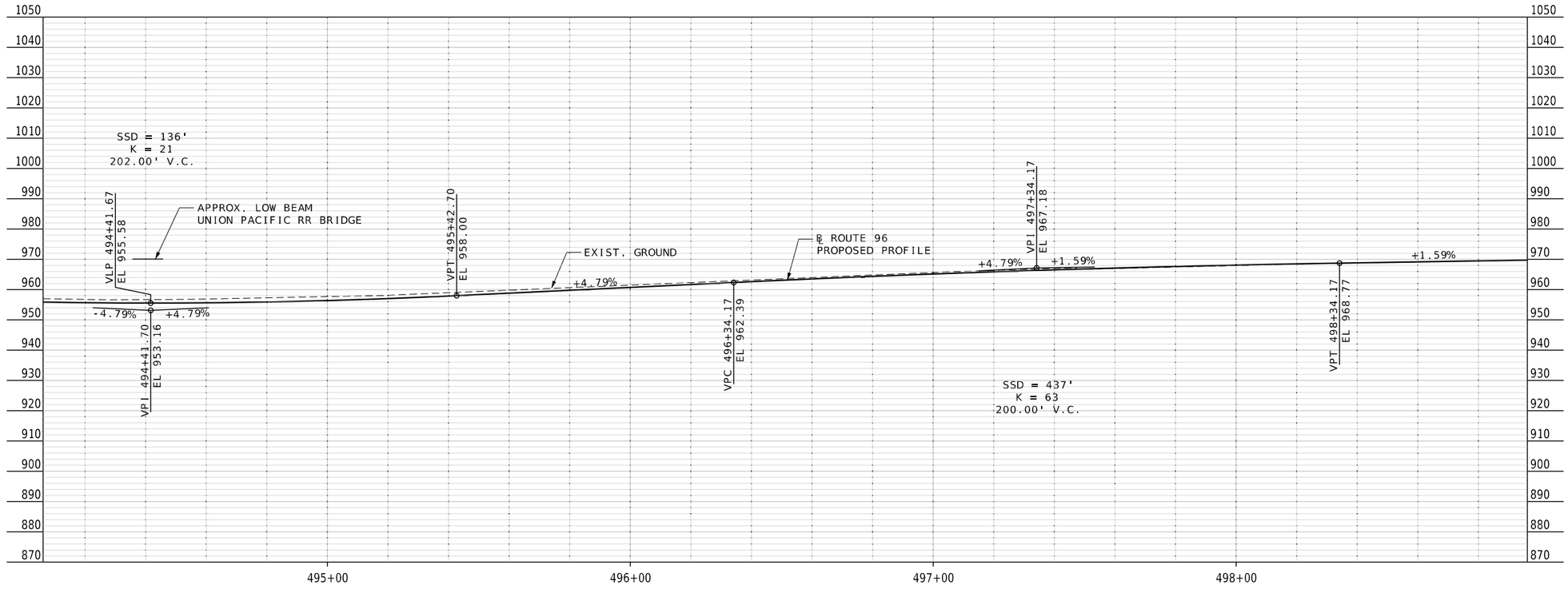
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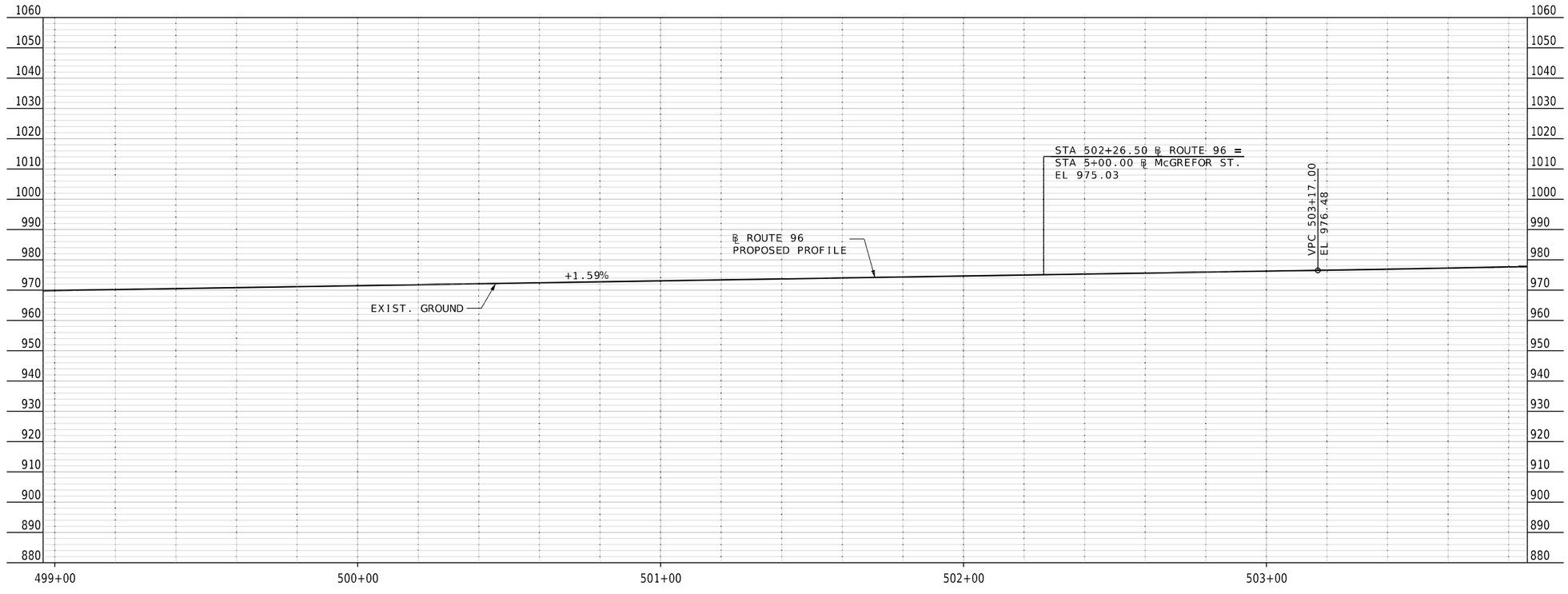
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DESCRIPTION	DATE

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.





PROFILE SHEET
7 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	60

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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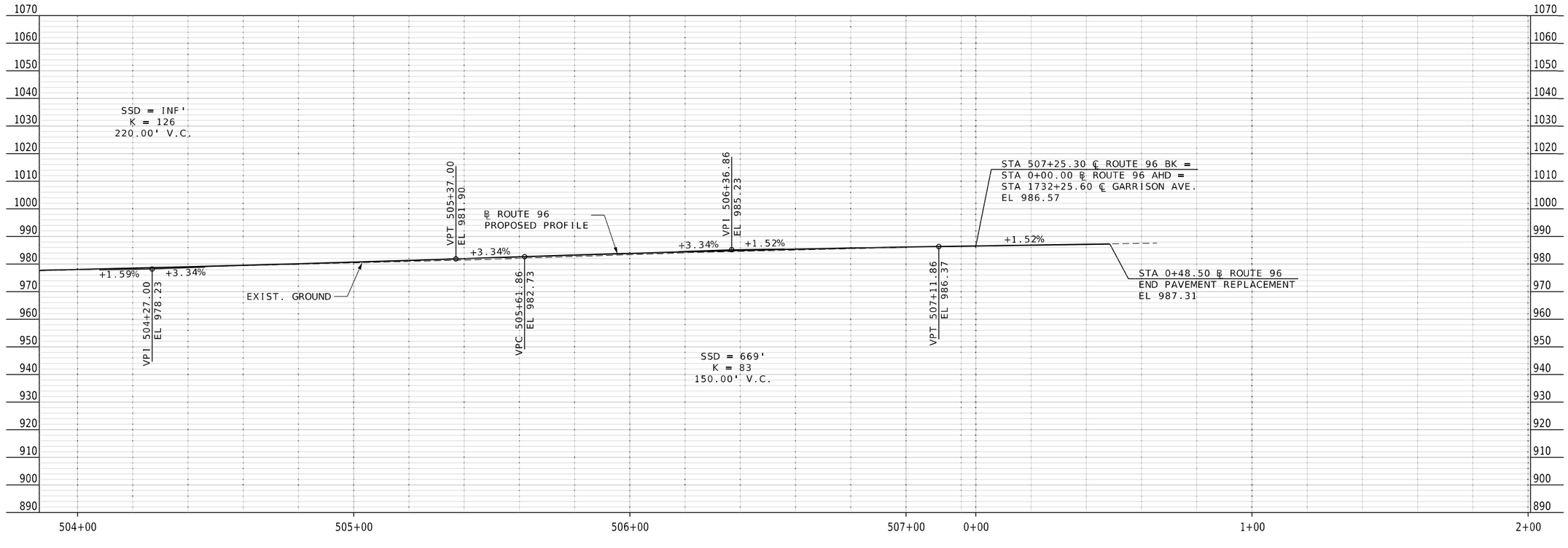
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BRIDGE NO.
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DATE	DESCRIPTION

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.



PROFILE SHEET
8 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	61

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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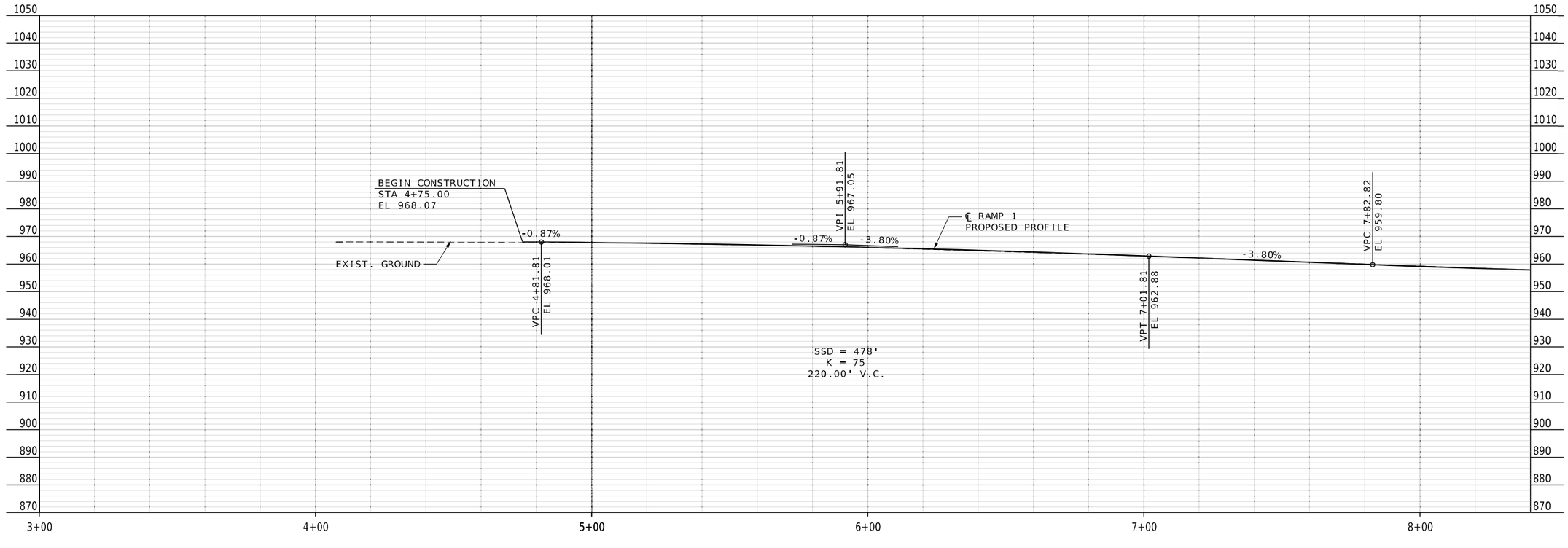
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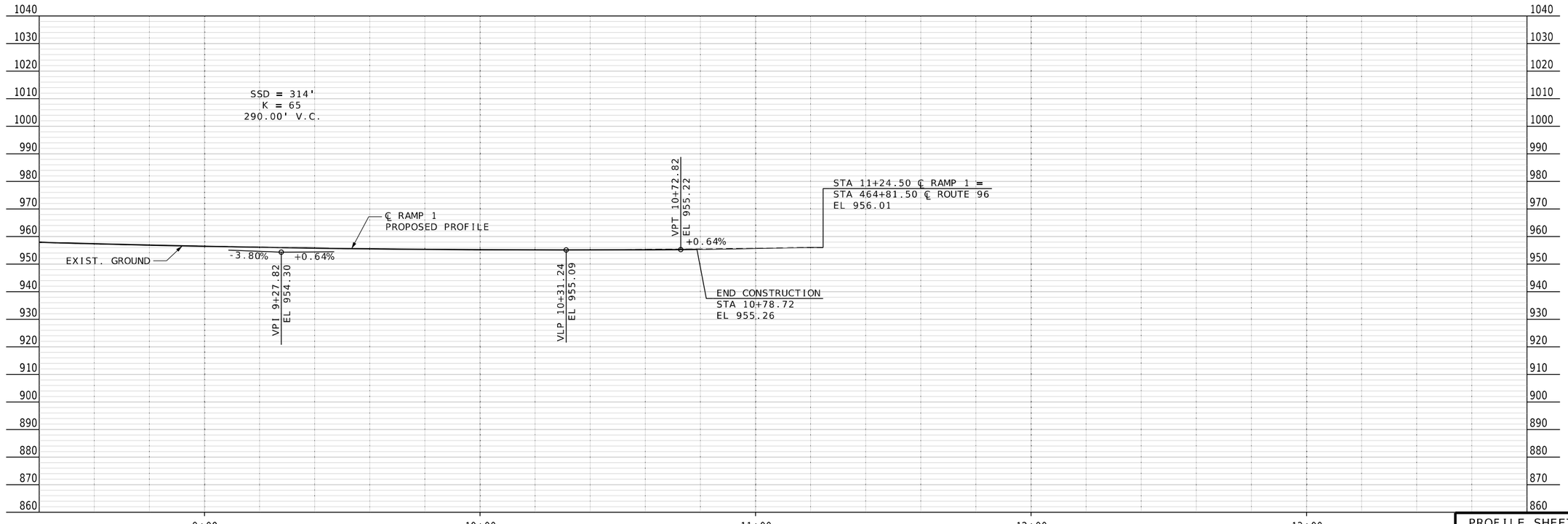
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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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PROFILE SHEET
9 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	62

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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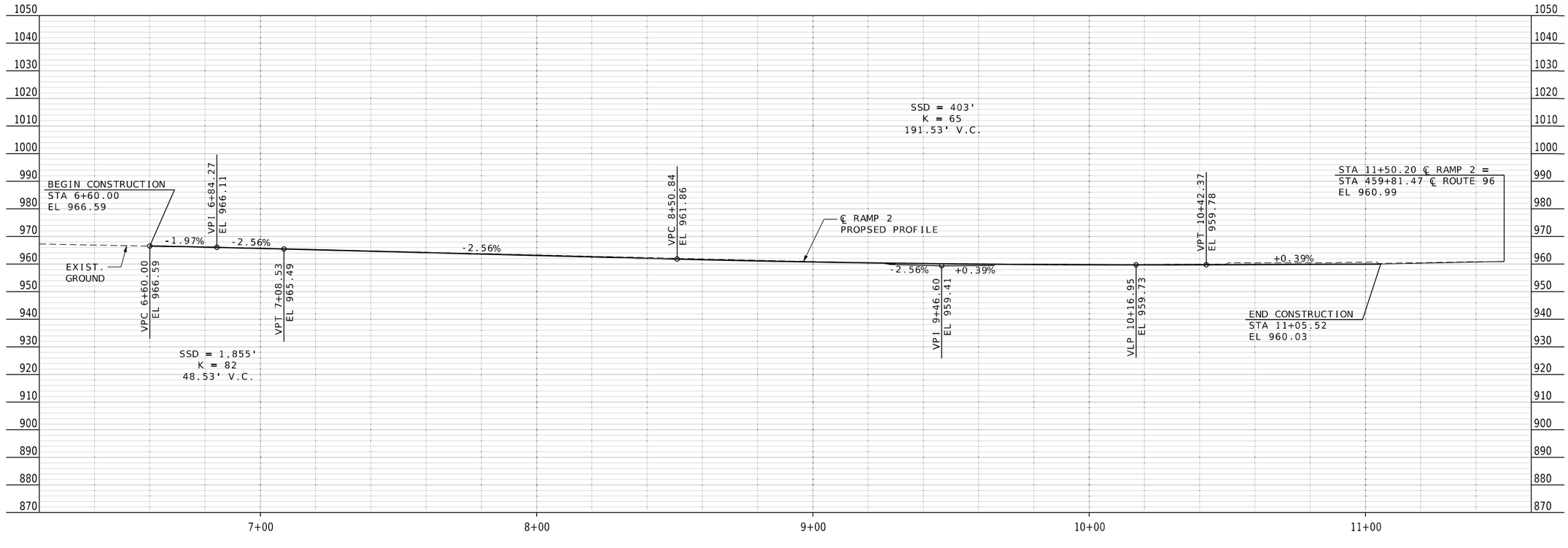
PROJECT NO.
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BRIDGE NO.
-

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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PROFILE SHEET
10 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	63

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

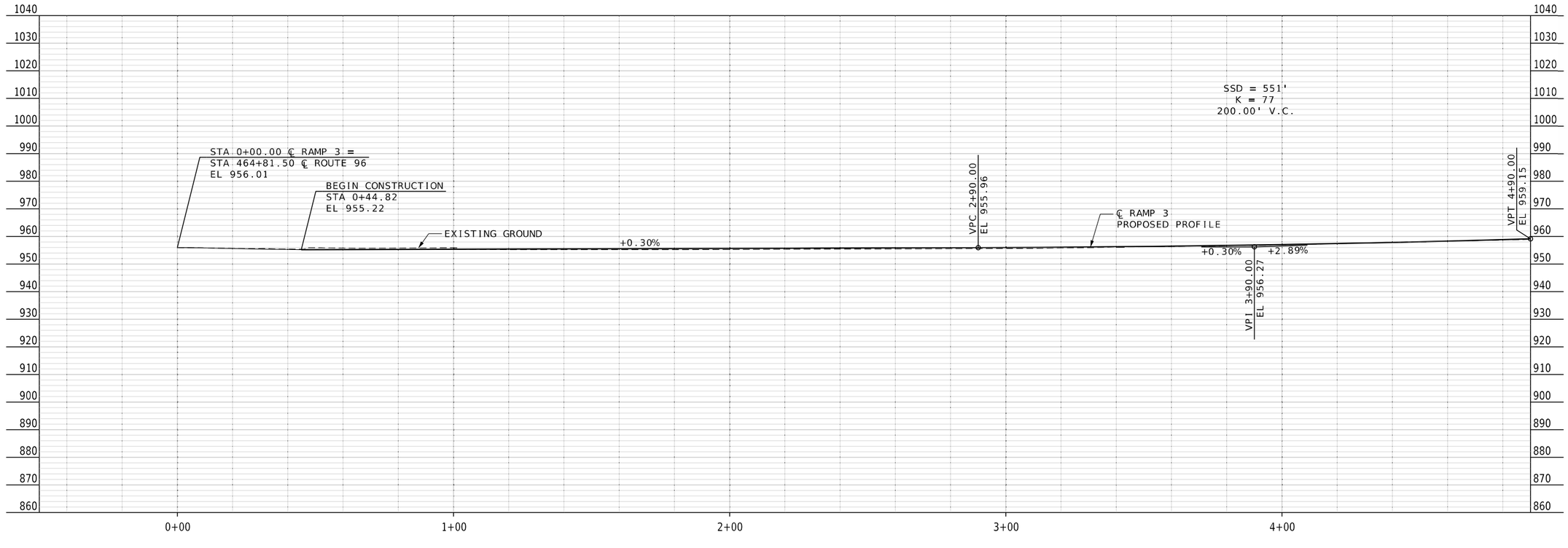
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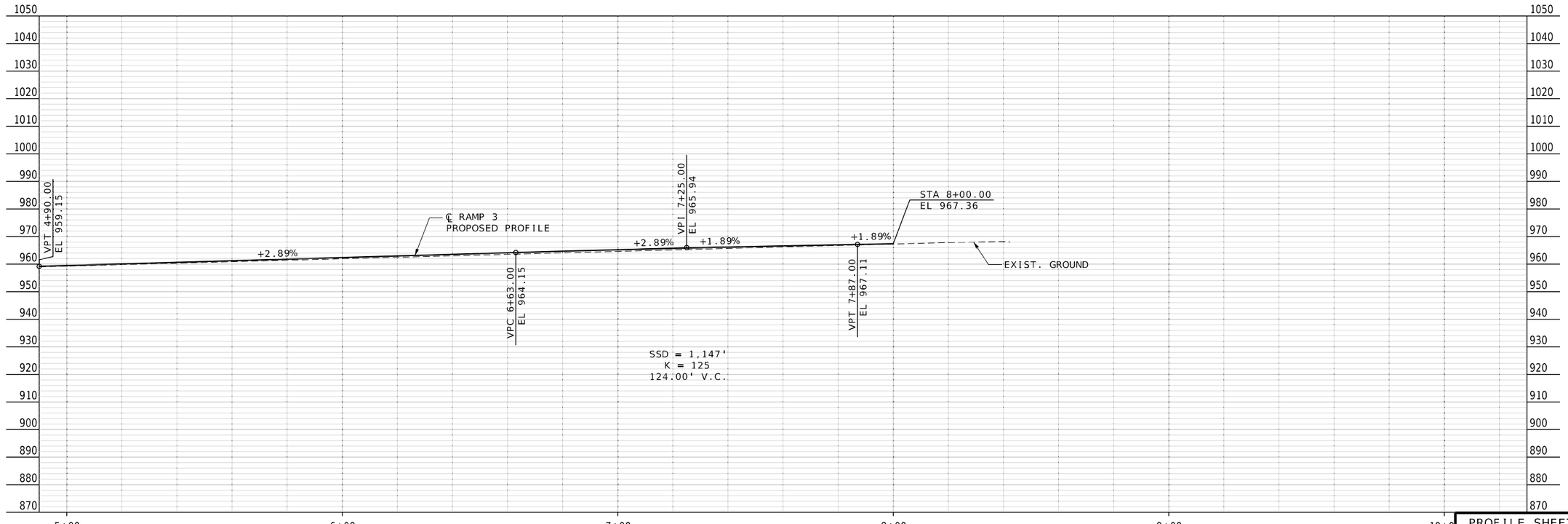
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
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COA# 00062
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PROFILE SHEET
11 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	64

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

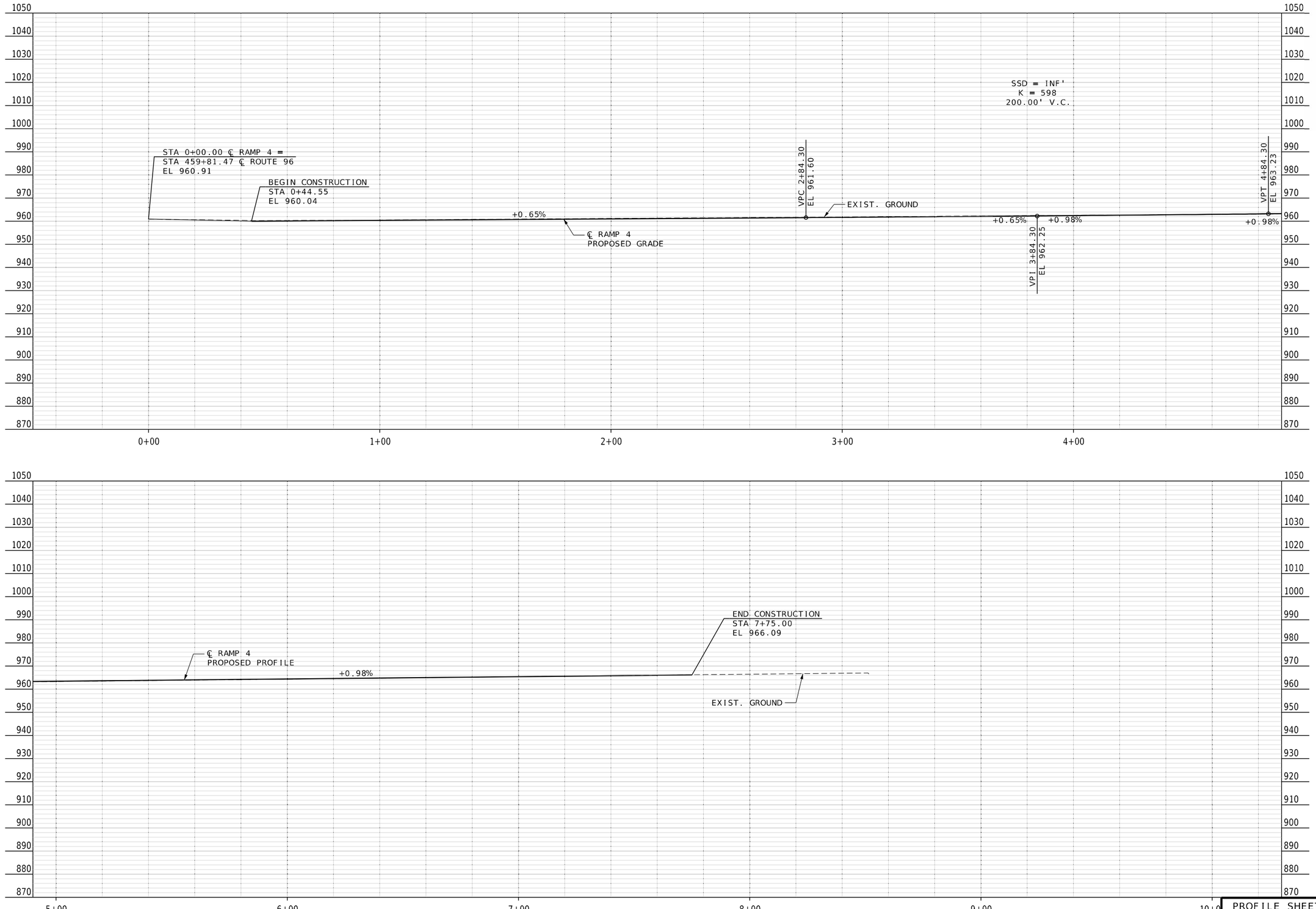
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DESCRIPTION	DATE

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.



PROFILE SHEET
12 OF 12

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	65

COUNTY
JASPER

JOB NO.
JSR0060

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.

GENERAL NOTE

1. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 472+00.00 ROUTE 96 TO STA. 1+00.00 ROUTE 96 A DISTANCE OF 0.914 MILES.

2. 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.

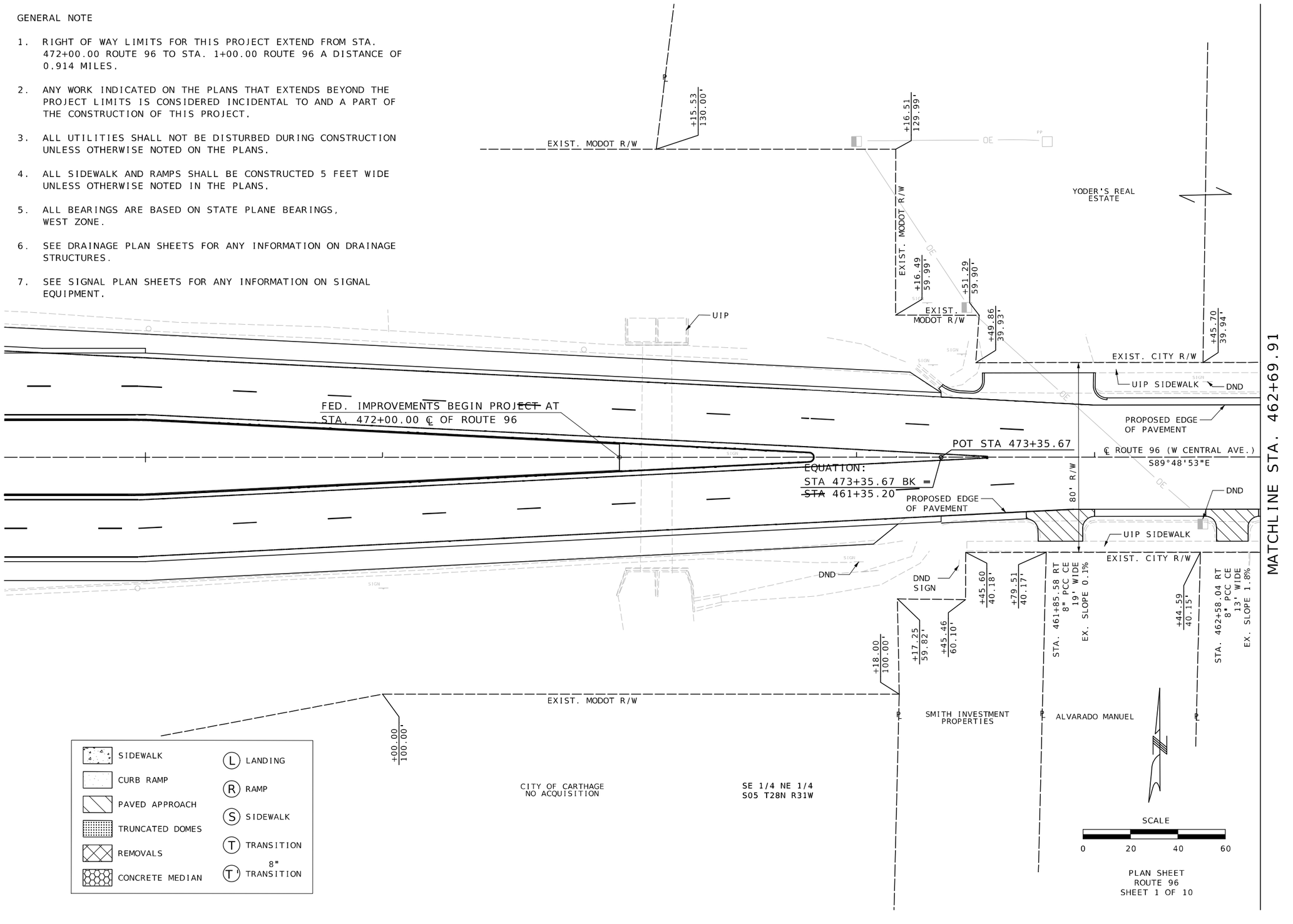
3. ALL UTILITIES SHALL NOT BE DISTURBED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.

4. ALL SIDEWALK AND RAMPS SHALL BE CONSTRUCTED 5 FEET WIDE UNLESS OTHERWISE NOTED IN THE PLANS.

5. ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, WEST ZONE.

6. SEE DRAINAGE PLAN SHEETS FOR ANY INFORMATION ON DRAINAGE STRUCTURES.

7. SEE SIGNAL PLAN SHEETS FOR ANY INFORMATION ON SIGNAL EQUIPMENT.



PLAN SHEET
ROUTE 96
SHEET 1 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	66

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

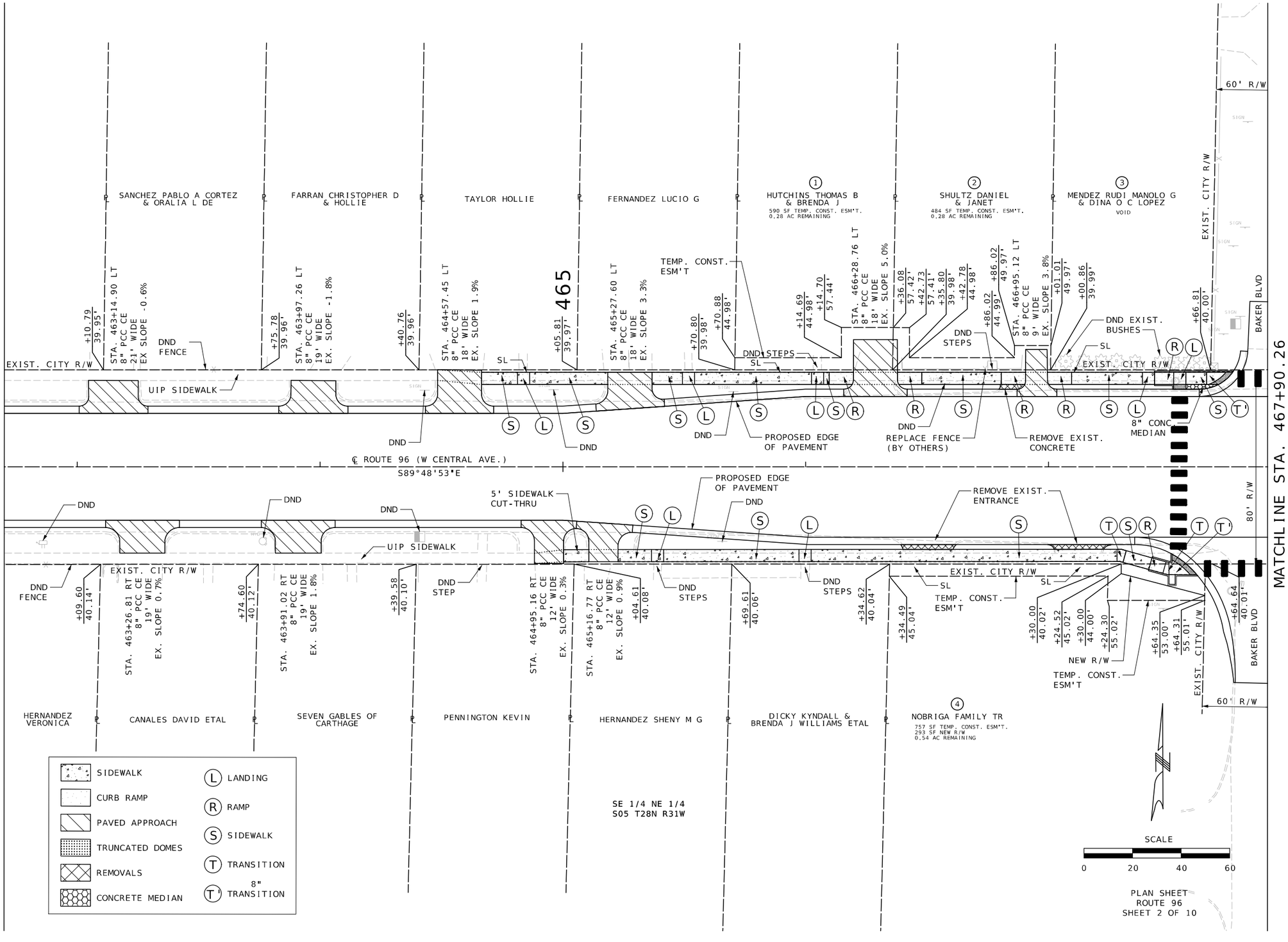
BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



PLAN SHEET
ROUTE 96
SHEET 2 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	67

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

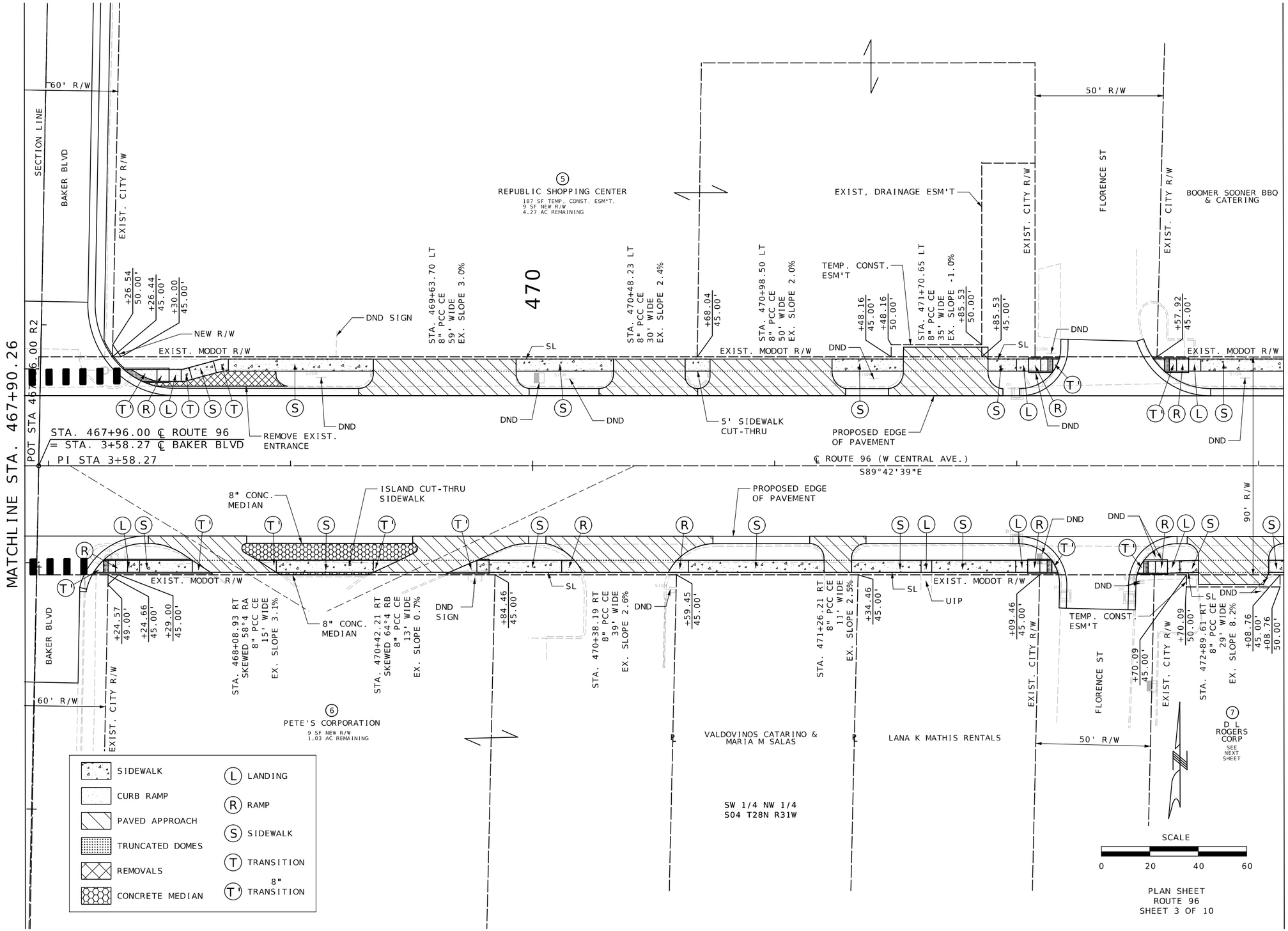
BRIDGE NO.

DATE	DESCRIPTION

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER

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DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	68

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

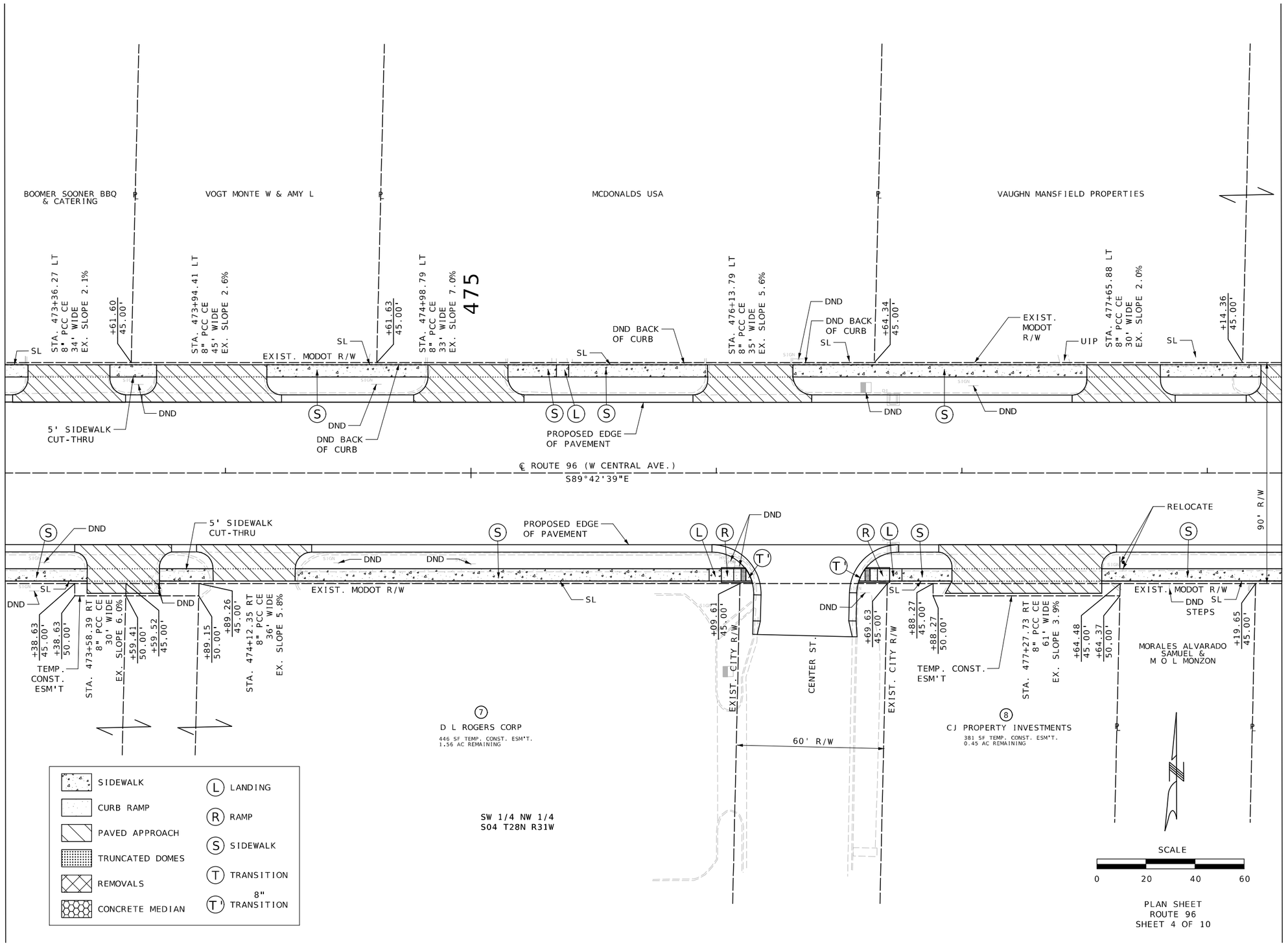
BRIDGE NO.

NO.	DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	69

COUNTY
JASPER

JOB NO.
J7S3506B

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)

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

MATCHLINE STA. 478+30.26

VAUGHN MANSFIELD PROPERTIES

STA. 478+36.85 LT
8" PCC CE
32' WIDE
EX. SLOPE 1.8%

STA. 479+19.63 LT
8" PCC CE
37' WIDE
EX. SLOPE 3.0%

(11) EYM REALTY OF MISSOURI
125 SF NEW R/W
1.10 AC REMAINING

480

STA. 480+46.72 LT
8" PCC CE
35' WIDE
EX. SLOPE 4.9%

50' R/W

+95.66
115.00'
EXIST. CITY R/W

N FRANCIS ST

EXIST. CITY R/W

+48.47
147.50'

+50.00
147.50'

+48.72
114.99'

+50.00
115.00'

+55.00
90.00'

1/4 1/4 SECTION LINE

(14) CASEY'S MARKETING CO
CARTHAGE
115 SF TEMP. CONST. ESM'T.
703 SF NEW R/W
1.76 AC REMAINING

NEW R/W

+95.05
59.00'

+77.00
45.00'

+94.89
45.00'

+49.07
69.63'

+74.26
45.00'

+84.00
45.00'

+99.82
45.00'

+99.82
50.00'

STA. 482+94.59 LT
8" PCC CE
16' WIDE
EX. SLOPE 3.1%

STA. 483+32.14 LT
8" PCC CE
40' WIDE
EX. SLOPE -2.5%

+13.69
45.00'

+13.69
50.00'

+49.29
45.00'

+64.35
45.00'

SL

EXIST. MODOT R/W

DND

TEMP. CONST. ESM'T

PROPOSED EDGE OF PAVEMENT

REMOVE EXIST. CONCRETE

8" CONC. MEDIAN

REINSTALL SIGN

5' SIDEWALK CUT-THRU

℄ ROUTE 96 (W CENTRAL AVE.)

S89°42'39"E

POT STA 481+20.70 R2

PI STA 3+45.38

STA. 481+20.70 ℄ ROUTE 96
= STA. 3+45.38 ℄ S. FRANCIS ST

S88°54'37"E

MATCHLINE STA. 483+50.16

90' R/W

PROPOSED EDGE OF PAVEMENT

5' SIDEWAK CUT-THRU

REMOVE EXIST. ENTRANCE

8" CONC. MEDIAN

REMOVE EXIST. ENTRANCE

5' SIDEWALK CUT-THRU

+69.66
45.00'

STEPS

+53.01
45.00'

+53.01
50.00'

STA. 479+64.76 RT
8" PCC CE
15' WIDE
EX. SLOPE 4.2%

+76.77
50.00'

+76.88
45.00'

STA. 480+05.67 RT
8" PCC CE
40' WIDE
EX. SLOPE 3.7%

+30.39
50.00'

+30.39
45.00'

TEMP. CONST. ESM'T

+75.00
45.00'

+75.00
47.50'

+85.00
47.50'

+96.29
61.00'

+96.61
45.00'

+47.20
51.00'

+47.24
45.02'

+55.00
45.03'

NEW R/W

+19.92
45.11'

+19.92
50.11'

STA. 482+44.74 RT
8" PCC CE
40' WIDE
EX. SLOPE 4.0%

+48.25
50.14'

+48.26
45.14'

TEMP. CONST. ESM'T

STA. 483+04.73 RT
8" PCC CE
40' WIDE
EX. SLOPE 5.0%

+29.47
50.23'

+29.47
45.23'

(9) DAVID HOUSTON PROPERTIES
119 SF TEMP. CONST. ESM'T.
0.49 AC REMAINING

FORSYTH
JOYCE

(10) HOUSE WAYNE
268 SF TEMP. CONST. ESM'T.
132 SF NEW R/W
0.51 AC REMAINING

(12) TONEY PAUL R & JOANN
142 SF TEMP. CONST. ESM'T
23 SF NEW R/W
0.26 AC REMAINING

(13) NINETY 4 EIGHTY LLC
406 SF TEMP. CONST. ESM'T.
0.45 AC REMAINING

SW 1/4 NW 1/4
S04 T28N R31W

SE 1/4 NW 1/4
S04 T28N R31W

EXIST. CITY R/W

S FRANCIS ST

EXIST. CITY R/W

50' R/W

5

SIDEWALK
CURB RAMP
PAVED APPROACH
TRUNCATED DOMES
REMOVALS
CONCRETE MEDIAN

(L) LANDING
(R) RAMP
(S) SIDEWALK
(T) TRANSITION
(T') 8" TRANSITION

SCALE
0 20 40 60

PLAN SHEET
ROUTE 96
SHEET 5 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	70

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

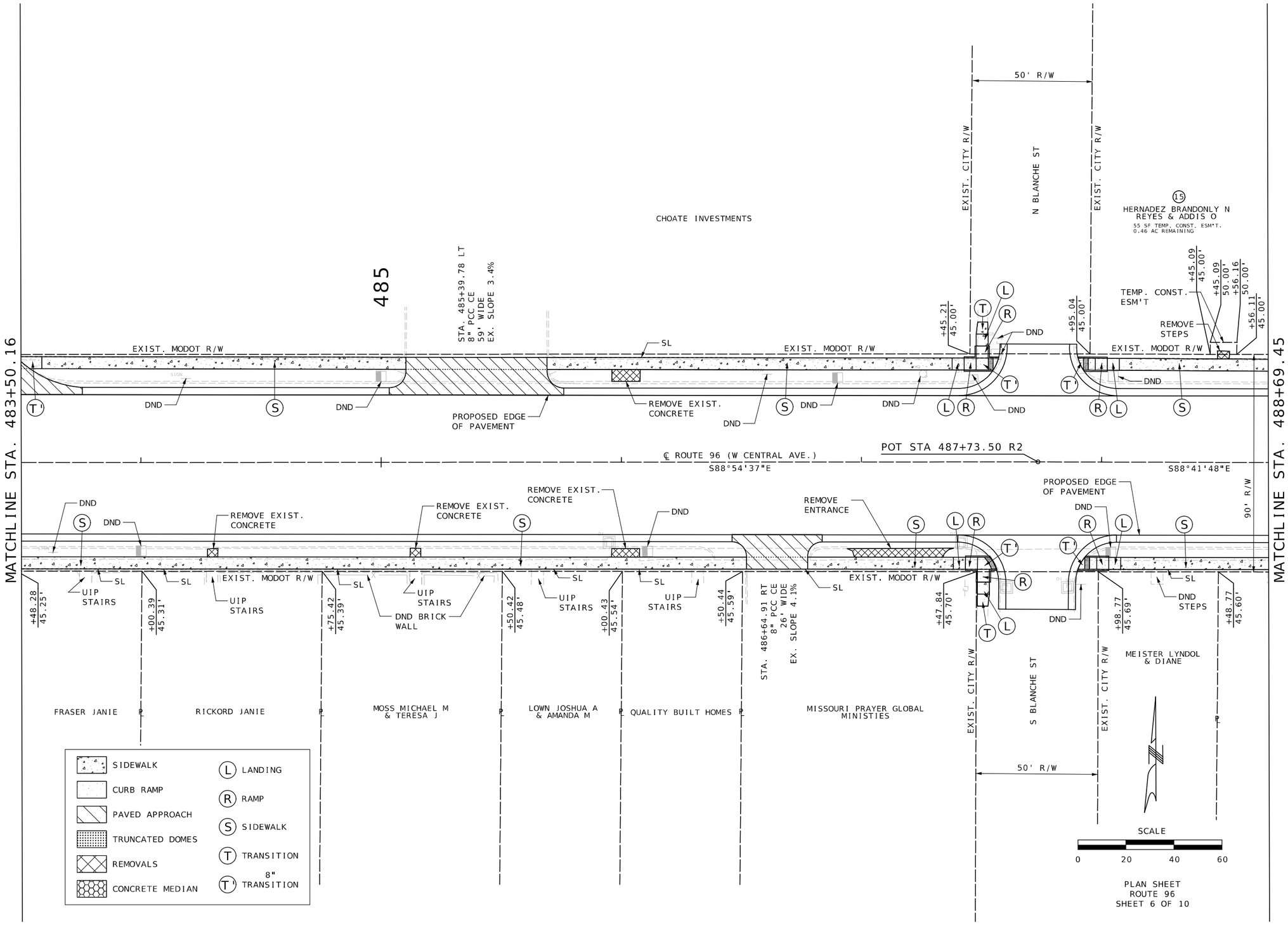
BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



PLAN SHEET
ROUTE 96
SHEET 6 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	71

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

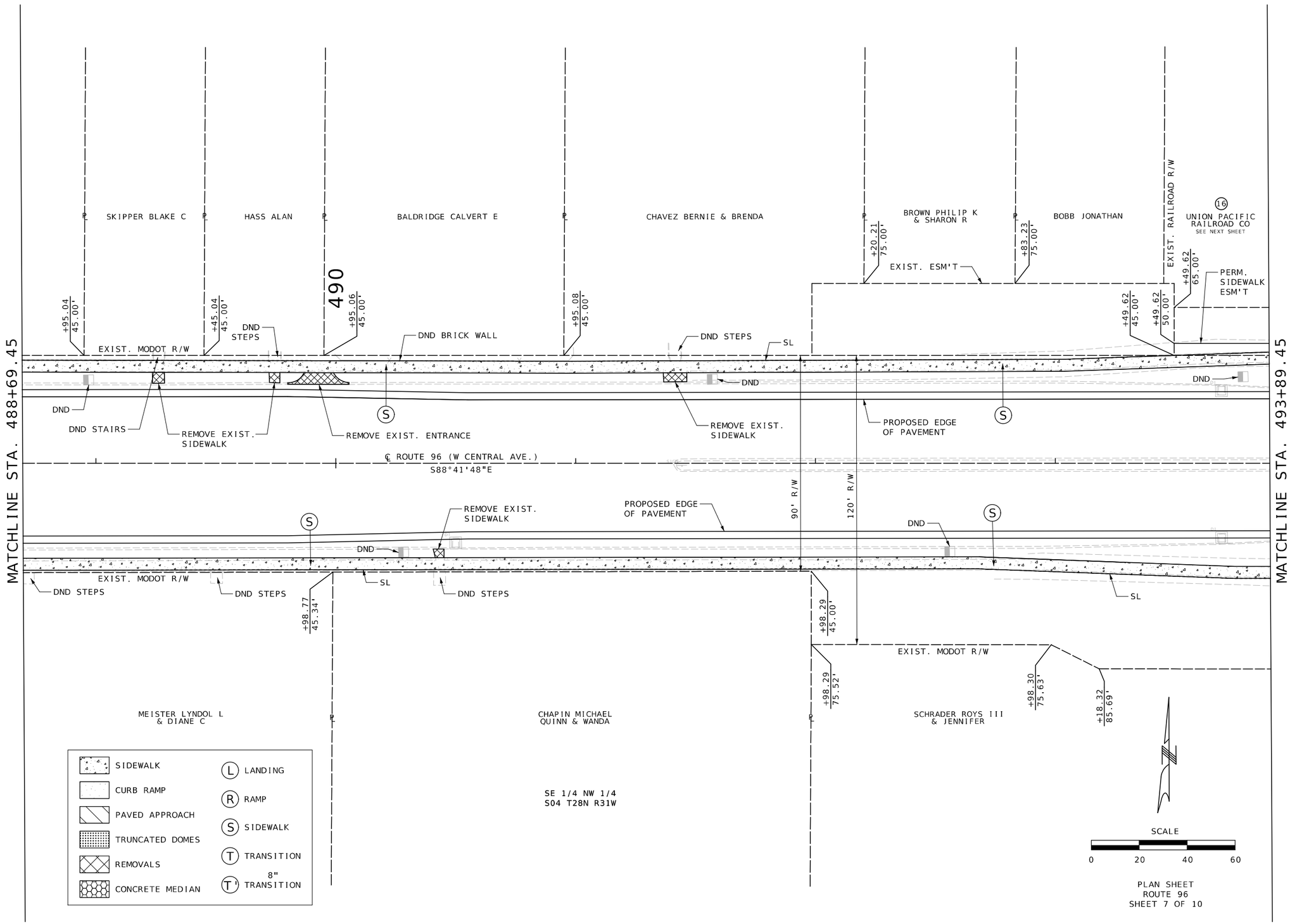
BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
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PLAN SHEET
ROUTE 96
SHEET 7 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	72

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

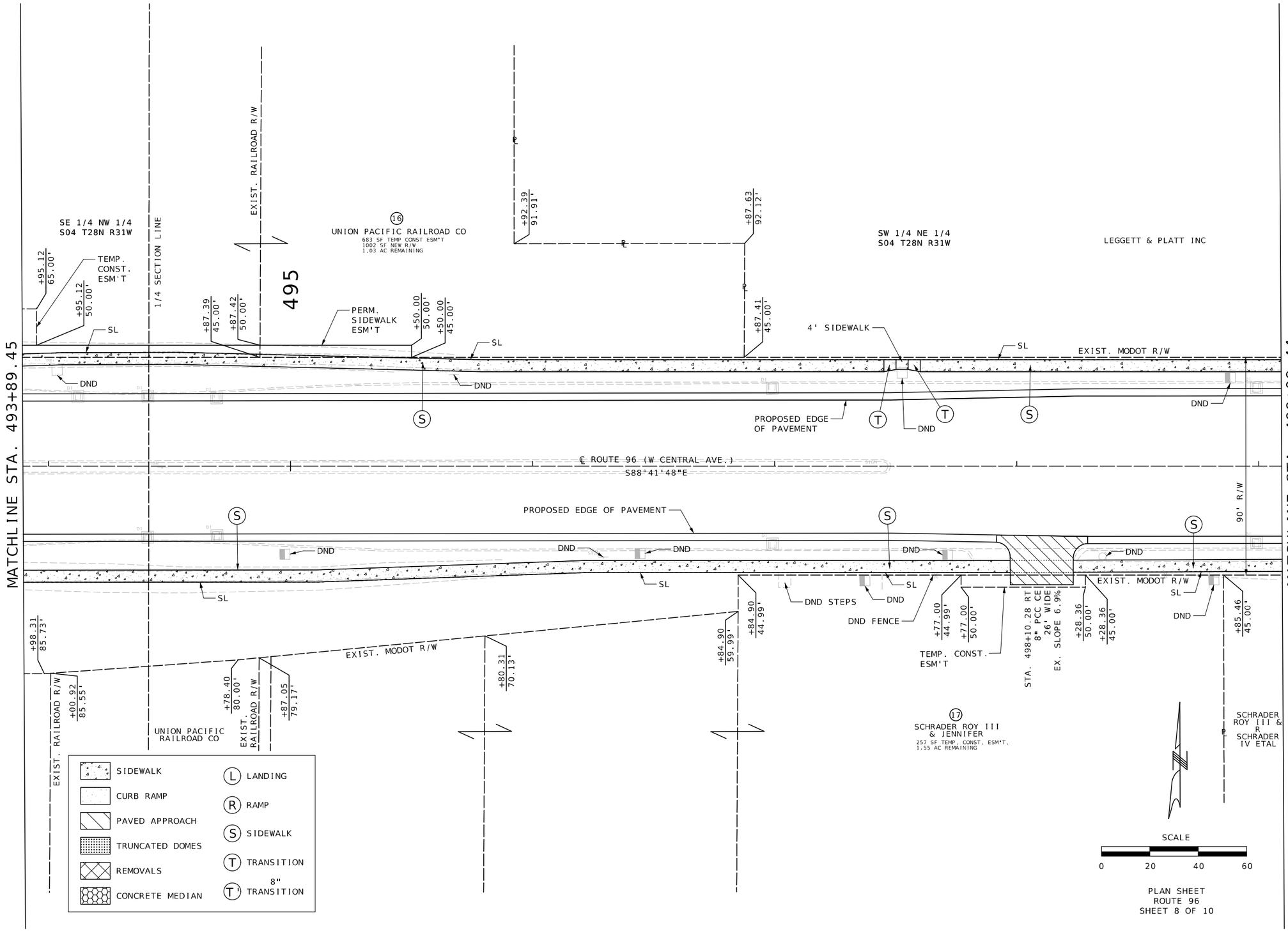
BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
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STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	73

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

SW 1/4 NE 1/4
S04 T28N R31W

LEGGETT & PLATT INC

80' R/W

N MCGREGOR ST

EXIST. CITY R/W

EXIST. CITY R/W

20 ARVEST BANK
SEE NEXT SHEET

500

STA. 499+66.34 LT
8" PCC CE
58' WIDE
EX. SLOPE 3.5%

+37.51
45.00'

+87.54
45.00'

+67.50
45.00'

SL

EXIST. MODOT R/W

SL

SL

EXIST. MODOT R/W

UIP

DND

DND

DND

DND

DND

DND

REMOVE EXIST. ENTRANCE

PROPOSED EDGE OF PAVEMENT

PROPOSED EDGE OF PAVEMENT

℄ ROUTE 96 (W CENTRAL AVE.)

S88°41'48"E

POT STA 502+23.50 R2

S88°42'11"E

MATCHLINE STA. 499+09.44

MATCHLINE STA. 504+29.46

PROPOSED EDGE OF PAVEMENT

DND

REMOVE EXIST. ENTRANCE

90' R/W

DND

PROPOSED EDGE OF PAVEMENT

REMOVE EXIST. ENTRANCE

DND STEPS

DND STEPS

+35.90
45.00'

+90.46
45.00'

+04.37
45.00'

+04.37
50.00'

STA. 500+24.03 RT
8" PCC CE
30' WIDE
EX. SLOPE 7.1%

+44.06
50.00'

+44.06
45.00'

+60.46
45.00'

+60.47
50.00'

STA. 500+90.42 RT
8" PCC CE
44' WIDE
EX. SLOPE 6.4%

+17.38
50.00'

+17.38
45.00'

+85.46
45.00'

+67.41
44.97'

STA. 503+20.36 RT
8" PCC CE
11' WIDE
EX. SLOPE 3.3%

+24.31
44.87'

EXIST. MODOT R/W

DND FENCE

SL

DND

DND

TEMP. CONST. ESM'T

TEMP. CONST. ESM'T

UIP

UIP

EXIST. CITY R/W

S MCGREGOR ST

EXIST. CITY R/W

SCHRADER ROY III & R SCHRADER IV ETAL

COWGILL LORETTA

18 COWGILL KENTON C II
198 SF TEMP. CONST. ESM'T.
0.26 AC REMAINING

19 NROUTE HOLDINGS
285 SF TEMP. CONST. ESM'T.
0.20 AC REMAINING

KENNELL KELVIN

80' R/W

SIDEWALK
CURB RAMP
PAVED APPROACH
TRUNCATED DOMES
REMOVALS
CONCRETE MEDIAN

L LANDING
R RAMP
S SIDEWALK
T TRANSITION
T' 8" TRANSITION

SCALE
0 20 40 60

PLAN SHEET
ROUTE 96
SHEET 9 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	74

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

MATCHLINE STA. 504+29.46

SW 1/4 NE 1/4
S04 T28N R31W

DAZY COURT APARTMENTS

73' R/W

SE 1/4 SE 1/4
S04 T28N R31W

1/4 1/4 SECTION LINE

EXIST. CITY R/W

ALLEY

GARRISON AVE

20 ARVEST BANK
75 SF TEMP. CONST. ESM'T.
0.90 AC REMAINING

21 ARVEST BANK
550 SF TEMP. CONST. ESM'T.
0.24 AC REMAINING

22 MG F PROPERTIES
499 SF TEMP. CONST. ESM'T.
60 SF NEW R/W
0.20 AC REMAINING

24 LIM YOUNG KEUM & JUNG SHIM
33 SF NEW R/W
1.61 AC REMAINING

SCHRADER ROY III & JENNIFER

STA. 504+76.98 LT
8" PCC CE
36' WIDE
EX. SLOPE 7.2%

STA. 505+82.88 LT
8" PCC CE
18' WIDE
EX. SLOPE 4.3%

STA. 506+18.39 LT
8" PCC CE
31' WIDE
EX. SLOPE 3.0%

+52.53 45.00'
+52.53 50.00'
+67.53 45.00'
+67.53 50.00'
+87.56 50.00'
505
+87.56 45.00'
+37.55 50.00'
+37.55 45.00'
+97.58 50.00'
+97.58 45.01'
+72.00 45.01'
+87.00 45.01'
+72.00 49.00'
+72.00 50.00'
+87.00 49.00'
+86.99 65.00'
+60.42 45.00'
+63.80 45.00'
+60.42 39.58'
+67.80 41.50'
+67.80 39.56'
+45.12 39.29'

TEMP. CONST. ESM'T
NEW R/W
SL
EXIST. MODOT R/W
EXIST. CITY R/W
UIP
DND
PROPOSED EDGE OF PAVEMENT
5' SIDEWALK CUT-THRU
8" CONC. MEDIAN
TYPE B CURB AND GUTTER

EQUATION
STA. 507+25.30 BACK
STA. 0+00.00 AHEAD

℄ ROUTE 96 (W CENTRAL AVE.)
S88°42'11"E

PI STA 1732+25.60
STA 0+00.00 ℄ ROUTE 96
= STA. 1732+25.60 ℄ GARRISON AVE.

FED. IMPROVEMENTS END PROJECT AT
STA. 1+00.00 ℄ OF ROUTE 96

80' R/W

1731

1734

STA. 505+24.47 RT
8" PCC CE
32' WIDE
EX. SLOPE 6.3%

STA. 505+90.22 RT
8" PCC CE
44' WIDE
EX. SLOPE 3.7%

+67.31 44.84'
+87.34 50.00'
+87.36 44.83'
+72.00 44.98'
+69.00 50.00'
+86.95 44.99'
+69.00 65.00'
+72.00 62.00'
+86.97 65.00'
+86.97 62.00'
+63.30 47.00'
+61.23 40.42'
+64.80 40.43'
+61.24 47.00'
+35.68 40.68'

23 WILKIN ROLF
1031 SF TEMP. CONST. ESM'T.
255 SF NEW R/W
0.32 AC REMAINING

SCHRADER ROY III & J SCHRADER ETAL

25 MCDONALD GARY D & K KRING TR ETAL
18 SF NEW R/W
0.26 AC REMAINING

HOMETOWN BANK

BOOTS COURT FOUNDATION

73' R/W

SIDEWALK
CURB RAMP
PAVED APPROACH
TRUNCATED DOMES
REMOVALS
CONCRETE MEDIAN

L LANDING
R RAMP
S SIDEWALK
T TRANSITION
T' 8" TRANSITION

SCALE
0 20 40 60

PLAN SHEET
ROUTE 96
SHEET 10 OF 10

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	75

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

SE¼NE¼
SEC05-T28N-R31W

YODER'S
REAL ESTATE
NO ACQUISITION

YODER'S
REAL ESTATE
NO ACQUISITION

SANCHEZ PABLO A
CORTEZ &
ORALIA L DE
NO ACQUISITION

FARRAN CHRISTOPHER
D & HOLLIE
NO ACQUISITION

TAYLOR HOLLIE
NO ACQUISITION

FERNANDEZ LUCIO G
NO ACQUISITION

EXIST. MODOT R/W

BOGGES DR.

EXIST. MODOT R/W

EXIST. MODOT R/W

STA. 463+14.90 LT
8" PCC CE
21' WIDE
4.0% GRADE

(DND)
FENCE

STA. 463+97.26 LT
8" PCC CE
19' WIDE
8.1% GRADE

STA. 464+57.45 LT
8" PCC CE
18' WIDE
6.4% GRADE

465

STA. 465+27.60 LT
8" PCC CE
18' WIDE
8.3% GRADE

(DND)
+70.80'
39.98'
+70.88'
44.98'

POT STA 473+35.67

℄ ROUTE 96

S89°47'31"E

EQUATION:
STA 473+35.67 BK =
STA 461+35.20

S89°48'53"E

(DND)
(DND)
(DND)
(DND)
(DND)

EXIST. MODOT R/W

STA. 461+85.58 RT
8" PCC CE
19' WIDE
5.6% GRADE

STA. 462+58.04 RT
8" PCC CE
13' WIDE
3.2% GRADE

(DND)
FENCE

STA. 463+26.81 RT
8" PCC CE
19' WIDE
4.3% GRADE

STA. 463+91.02 RT
8" PCC CE
19' WIDE
7.2% GRADE

(DND)
STEP

STA. 464+95.16 RT
8" PCC CE
12' WIDE
6.1% GRADE

STA. 465+16.77 RT
8" PCC CE
12' WIDE
7.3% GRADE

EXIST. MODOT R/W

(DND)
STEPS

MATCHLINE STA. 465+94.53

EXIST. MODOT R/W

SMITH INVESTMENT
PROPERTIES
NO ACQUISITION

ALVARADO MANUEL
NO ACQUISITION

HERNANDEZ VERONICA
NO ACQUISITION

CANALES DAVID ETAL
NO ACQUISITION

SEVEN GABLES
OF CARTHAGE
NO ACQUISITION

PENNINGTON KEVIN
NO ACQUISITION

HERNANDEZ
SHENY M G
NO ACQUISITION

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 1 OF 9

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

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	76
COUNTY	JASPER
JOB NO.	JSR0060
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.

...\076_RW_JSR0060_RTE96_Plan 1.dgn 3:37:01 PM 8/7/2026

SE¼NE¼
SEC05-T28N-R31W

SW¼ NW¼
SEC04-T28N-R31W

MATCHLINE STA. 465+94.53

MATCHLINE STA. 471+34.53

1
HUTCHINS
THOMAS B
& BRENDA J
590 SF.
TEMP. ESM'T
0.28 AC. REMAINING

2
SHULTZ DANIEL
& JANET
484 SF. TEMP. ESM'T
0.28 AC. REMAINING

3
MENDEZ RUDI MANOLO G
& DINA O C LOPEZ
345 SF. TEMP. ESM'T
0.28 AC. REMAINING

4
NOBRIGA FAMILY TR
757 SF. TEMP. ESM'T
293 SF. NEW R/W
0.54 AC. REMAINING

5
REPUBLIC
SHOPPING CENTER
187 SF. TEMP. ESM'T
9 SF. NEW R/W
3.49 AC. REMAINING

6
PETE'S CORPORATION
NO ACQUISITION

PETE'S CORPORATION
NO ACQUISITION

VALDOVINOS CATARINO
& MARIA M SALAS
NO ACQUISITION

DICKEY
KYNDALL &
BRENDA J
WILLIAMS
ETAL
NO ACQUISITION

SECTION LINE

BAKER BLVD.

EXIST. CITY R/W

STA. 466+28.76 LT
8" PCC CE
18' WIDE
14.2% GRADE

STA. 466+95.12 LT
8" PCC CE
9' WIDE
11.6% GRADE

STA. 469+63.70 LT
8" PCC CE
59' WIDE
7.8% GRADE

STA. 470+48.23 LT
8" PCC CE
30' WIDE
7.7% GRADE

STA. 470+98.50 LT
8" PCC CE
50' WIDE
7.0% GRADE

STA. 468+08.93 RT
SKEWED 58°4 RA
8" PCC CE
15' WIDE
7.4% GRADE

STA. 470+42.21 RT
SKEWED 64°4 RB
8" PCC CE
13' WIDE
0.9% GRADE

STA. 470+38.19 RT
8" PCC CE
39' WIDE
8.5%

STA. 471+26.21 RT
8" PCC CE
11' WIDE
8.2% GRADE

+14.70
57.44'
+14.69
44.98'
+57.42'
36.98'
+36.08
+35.80
+57.41'
+42.73
44.98'
+42.78'
+01.01
49.97'
+86.02
44.99'
+00.86
39.99'
+04.19
44.97'
+04.20
44.99'
+04.02
+66.91
45.00'
+66.81
40.00'
+26.54
50.00'
+26.44
45.00'
+30.00
45.00'

+34.62
40.04'
+34.49
45.04'
+24.52
45.02'
+30.00
40.02'
+24.30
55.02'
+30.00
44.00'
+64.31
55.01'
+64.35
53.00'
+64.64
40.01'

(DND) STEPS
(DND) STEPS
(DND) FENCE
(DND) EX. BUSHES
(DND) SIGN
(DND)
(DND)
(DND)

TEMP. CONST. ESM'T
TEMP. CONST. ESM'T

REMOVE EXIST. CONCRETE
REMOVE EXIST. ENTRANCE
REMOVE EXIST. ENTRANCE

EXIST. MODOT R/W
EXIST. MODOT R/W
EXIST. MODOT R/W
EXIST. MODOT R/W

NEW R/W
NEW R/W

91°10'10"

℄ ROUTE 96

S89°48'53"E
S89°42'39"E

470

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 2 OF 9

...\077_RW_JSR0060_RTE96_Plan 2.dgn 3:37:13 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	77

COUNTY
JASPER

JOB NO.
JSR0060

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.

SW¼ NW¼
SEC04-T28N-R31W

MATCHLINE STA. 471+34.53

MATCHLINE STA. 476+74.53

5
REPUBLIC
SHOPPING CENTER
SEE SHEET 62

EXIST. CITY R/W

FLORENCE ST.

EXIST. CITY R/W

BOOMER SOONER BBQ
& CATERING
NO ACQUISITION

VOGT MONTE W
& AMY L
NO ACQUISITION

MCDONALDS USA
NO ACQUISITION

TEMP.
CONST.
ESM'T
+48.16
45.00'
+48.16
50.00'
STA. 471+70.65 LT
8" PCC CE
35' WIDE
3.6% GRADE
+85.53
50.00'
+85.53
45.00'

STA. 473+36.27 LT
8" PCC CE
34' WIDE
7.5% GRADE

STA. 473+94.41 LT
8" PCC CE
45' WIDE
8.7% GRADE

STA. 474+98.79 LT
8" PCC CE
33' WIDE
6.8% GRADE

STA. 476+13.79 LT
8" PCC CE
35' WIDE
7.2% GRADE

EXIST. MODOT R/W

(DND)
(DND)
BACK OF
CURB

91°22'19"
91°22'6"
91°22'8"

℄ ROUTE 96
S89°42'39"E

(UIP)

TEMP. CONST. ESM'T

STA. 472+89.61 RT
8" PCC CE
29' WIDE
9.6% GRADE
+70.09
45.00'
+70.09
50.00'
+08.76
50.00'
+08.76
45.00'
TEMP. CONST.
ESM'T
+38.63
45.00'
+38.63
50.00'
STA. 473+58.39 RT
8" PCC CE
30' WIDE
8.0% GRADE
+89.15
50.00'
+89.26
45.00'
STA. 474+12.35 RT
8" PCC CE
36' WIDE
7.8% GRADE

7
D L ROGERS CORP
% SOUTHWEST PROPERTY TAX
446 SF. TEMP. ESM'T
1.56 AC. REMAINING

LANA K MATHIS
RENTALS
NO ACQUISITION

CENTER ST.

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 3 OF 9

...\078_RW_JSR0060_RTE96_Plan 3.dgn 3:37:25 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	78

COUNTY
JASPER

JOB NO.
JSR0060

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.

MATCHLINE STA. 476+74.53

MATCHLINE STA. 482+14.53

SW¼ NW¼
SEC04-T28N-R31W

SE¼ NW¼
SEC04-T28N-R31W

¼¼ SECTION LINE

480

VAUGHN MANSFEILD PROPERTIES

NO ACQUISITION

(11) EYM REALTY OF MISSOURI

125 SF. NEW R/W
1.10 AC. REMAINING

(14) CASEY'S MARKETING CO CARTHAGE

SEE SHEET 65

NEW CITY R/W

NEW MODOT R/W

EXIST. CITY R/W

FRANCIS ST.

TEMP. CONST. ESM'T

NEW R/W

(UIP)

EXIST. MODOT R/W

STA. 477+80.92 LT
8" PCC CE
60' WIDE
7.6% GRADE

STA. 478+36.85 LT
8" PCC CE
32' WIDE
8.9% GRADE

STA. 479+19.63 LT
8" PCC CE
37' WIDE
4.0% GRADE

STA. 480+46.72 LT
8" PCC CE
35' WIDE
7.8% GRADE

SEE SURVEY NOTES

(DND)

REMOVE EXIST. CONCRETE

℄ ROUTE 96

S89°42'39"E

S88°54'37"E

90°19'15"

POT STA A 481+20.70

REMOVE EXIST. ENTRANCE

(DND) EXIST. RETAINING WALL

(DND) STEPS

TEMP. CONST. ESM'T

STA. 477+27.73 RT
8" PCC CE
61' WIDE
8.1% GRADE

STA. 479+64.76 RT
8" PCC CE
15' WIDE
10.1% GRADE

STA. 480+05.67 RT
8" PCC CE
40' WIDE
9.4% GRADE

(8) DAISY INVESTMENTS LLC

381 SF. TEMP. ESM'T
0.45 AC. REMAINING

MORALES ALVARADO SAMUEL & M O L MONZON

NO ACQUISITION

FORSYTH JOYCE

NO ACQUISITION

(9) DAVID HOUSTON PROPERTIES

119 SF. TEMP. ESM'T
0.49 AC. REMAINING

(10) HOUSE WAYNE

268 SF. TEMP. ESM'T
132 SF. NEW R/W
0.51 AC. REMAINING

(12) TONEY PAUL R & JOANN

142 SF. TEMP. ESM'T
23 SF. NEW R/W
0.26 AC. REMAINING

5

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 4 OF 9

...\079_RW_JSR0060_RTE96_Plan 4.dgn 3:37:38 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	79

COUNTY
JASPER

JOB NO.
JSR0060

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.

MATCHLINE STA. 482+14.53

MATCHLINE STA. 487+54.53

SE¼ NW¼
SEC04-T28N-R31W

(14)
CASEY'S MARKETING CO
CARTHAGE
115 SF. TEMP. ESM'T
703 SF. NEW R/W
1.76 AC. REMAINING

CHOATE INVESTMENTS
NO ACQUISITION

485

EXIST. CITY R/W

STA. 482+94.59 LT
8" PCC CE
16' WIDE
6.7% GRADE

STA. 483+32.14 LT
8" PCC CE
40' WIDE
1.5% GRADE

TEMP. CONST. ESM'T

+99.82
45.00'
+99.82
50.00'
+13.69
50.00'
+13.69
45.00'

STA. 485+45.57 LT
8" PCC CE
55' WIDE
3.3% GRADE

EXIST. MODOT R/W

EXIST. MODOT R/W

(DND)

(DND)

REMOVE EXIST. CONCRETE

(DND)

(DND)

℄ ROUTE 96

S88°54'37"E

(DND)

REMOVE EXIST. CONCRETE

REMOVE EXIST. CONCRETE

(DND)

REMOVE ENTRANCE

+19.92
45.11'
+19.92
50.11'

STA. 482+44.74 RT
8" PCC CE
40' WIDE
7.8% GRADE

+48.25
50.14'
+48.26
45.14'

TEMP. CONST. ESM'T

STA. 483+04.73 RT
8" PCC CE
40' WIDE
8.3% GRADE

+29.47
50.23'
+29.47
45.23'

(UIP) STAIRS

EXIST. MODOT R/W

(UIP) STAIRS

(DND) BRICK WALL

(UIP) STAIRS

(UIP) STAIRS

(UIP) STAIRS

STA. 486+64.91 RT
8" PCC CE
26' WIDE
8.9% GRADE

EXIST. MODOT R/W

EXIST. CITY R/W

(12)
TONEY
PAUL
R & JOANN

SEE
SHEET 64

(13)
NINETY 4
EIGHTY LLC
406 SF. TEMP. ESM'T
0.45 AC. REMAINING

FRASER JANIE
NO ACQUISITION

RICKORD JANIE
NO ACQUISITION

MOSS MICHAEL M
& TERESA J
NO ACQUISITION

LOWN JOSHUA A
& AMANDA M
NO ACQUISITION

QUALITY BUILT
HOMES
NO ACQUISITION

MISSOURI PRAYER
GLOBAL MINISTRIES
NO ACQUISITION

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 5 OF 9

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	80

COUNTY
JASPER

JOB NO.
JSR0060

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.

...\080_RW_JSR0060_RTE96_Plan 5.dgn 3:37:49 PM 8/7/2026

SE¼ NW¼
SEC04-T28N-R31W

15
HERNANDEZ BRANDONLY
N REYES & ADDIS O
55 SF. TEMP. ESM'T
0.46 AC. REMAINING

SKIPPER
BLAKE C
NO ACQUISITION

HASS ALAN
NO ACQUISITION

BALDRIDGE CALVERT E
NO ACQUISITION

CHAVEZ BERNIE
& BRENDA
NO ACQUISITION

BROWN PHILIP K
& SHARON R
NO ACQUISITION

EXIST. CITY R/W

BLANCHE ST.

MATCHLINE STA. 487+54.53

POT STA A 487+73.50

490

MATCHLINE STA. 492+94.53

EXIST. MODOT R/W

TEMP. CONST. ESM'T
+45.09 45.00'
+45.09 50.00'
+56.16 50.00'
+56.11 45.00'

(DND)
REMOVE STEPS
(DND) STAIRS
REMOVE EXIST. SIDEWALK
(DND) STEPS
REMOVE EXIST. ENTRANCE
(DND) BRICK WALL
(DND) STEPS
REMOVE EXIST. SIDEWALK
(DND)

89°59'36"
℄ ROUTE 96
S88°54'37"E
S88°41'48"E

(DND)
REMOVE EXIST. SIDEWALK
(DND)
(DND)
(DND) STEPS
(DND) STEPS
(DND) STEPS
(DND) STEPS

EXIST. MODOT R/W

MEISTER LYNDOL
& DIANE C
NO ACQUISITION

MEISTER LYNDOL L
& DIANE C
NO ACQUISITION

CHAPIN MICHAEL QUINN
& WANDA
NO ACQUISITION

SCHRADER ROY III
& JENNIFER
NO ACQUISITION

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 6 OF 9

...\081_RW_JSR0060_RTE96_Plan 6.dgn 3:38:04 PM 8/7/2026

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

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	81
COUNTY	JASPER
JOB NO.	JSR0060
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.

SE¼ NW¼
SEC04-T28N-R31W

¼¼ SECTION LINE

SW¼ NE¼
SEC04-T28N-R31W

BOBB JONATHAN

NO ACQUISITION

EXIST. RAILROAD R/W

EXIST. MODOT R/W

+49.62
45.00'
+49.62
50.00'

TEMP.
CONST.
ESM'T

+95.12
65.00'
+95.12
50.00'

+87.39
45.00'
+87.42
50.00'

PERM. SIDEWALK
ESM'T.

+50.00
50.00'
+50.00
45.00'

SEE SURVEY NOTES

(16)

UNION PACIFIC
RAILROAD CO

683 SF. TEMP. ESM'T
1,002 SF. PERM. SIDEWALK ESM'T
1.03 AC. REMAINING

495

LEGGETT & PLATT INC
CARTHAGE

NO ACQUISITION

(DND)

℄ ROUTE 96

S88°41'48"E

RAILROAD BRIDGE
DOT#434917U

MATCHLINE STA. 492+94.53

MATCHLINE STA. 498+34.53

(DND) STEPS

(DND) FENCE

+77.00
44.99'
+77.00
50.00'

TEMP. CONST.
ESM'T

+28.36
50.00'
+28.36
45.00'

STA. 498+10.28 RT
8" PCC CE
26' WIDE
6.3% GRADE

SCHRADER ROY III
& JENNIFER

NO ACQUISITION

(17)

SCHRADER ROY III
& JENNIFER

257 SF. TEMP. ESM'T
1.37 AC. REMAINING

SCALE

0 20 40 60

RIGHT OF WAY
SHEET 7 OF 9

...\082_RW_JSR0060_RTE96_Plan 7.dgn 3:38:18 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	82

COUNTY
JASPER

JOB NO.
JSR0060

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 NE¼
SEC04-T28N-R31W

LEGGETT & PLATT INC

NO ACQUISITION

EXIST. CITY R/W

McGREGOR ST.

EXIST. CITY R/W

(20)
ARVEST BANK

75 SF. TEMP. ESM'T
0.90 AC. REMAINING

STA. 499+66.34 LT
8" PCC CE
58' WIDE
7.3% GRADE

500

(UIP)

(UIP)

EXIST. MODOT R/W

(DND)

(DND)

(DND)

EXIST. MODOT R/W

(DND)

REMOVE EXIST.
ENTRANCE

(DND)

MATCHLINE STA. 498+34.53

℄ ROUTE 96

S88°41'48"E

90°5'9"

S88°42'11"E

MATCHLINE STA. 503+74.53

(DND)

(DND)

REMOVE EXIST.
ENTRANCE

(DND)

(DND)

(DND)

(DND)

(DND)
STEPS

EXIST. MODOT R/W

EXIST. MODOT R/W

(DND)

(DND)
FENCE

+04.37
45.00'

+04.37
50.00'

TEMP.
CONST.
ESM'T

+44.06
50.00'

+44.06
45.00'

+60.46
45.00'

+60.47
50.00'

TEMP.
CONST.
ESM'T

+17.43
50.00'

+17.38
45.00'

STA. 500+24.03 RT
8" PCC CE
30' WIDE
8.0% GRADE

STA. 500+90.42 RT
8" PCC CE
44' WIDE
8.0% GRADE

EXIST. CITY R/W

EXIST. CITY R/W

STA. 503+20.36 RT
8" PCC CE
11' WIDE
7.6% GRADE

(17)
SCHRADER ROY III
& JENNIFER

SEE SHEET 67

COWGILL LORETTA

NO ACQUISITION

(18)
COWGILL KENTON C II

198 SF. TEMP. ESM'T
0.26 AC. REMAINING

(19)
NROUTE HOLDINGS

285 SF. TEMP. ESM'T
0.20 AC. REMAINING

KENNELL KELVIN

NO ACQUISITION

McGREGOR ST.

SEE SURVEY NOTES

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 8 OF 9

...\083_RW_JSR0060_RTE96_Plan 8.dgn 3:38:31 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	83

COUNTY
JASPER

JOB NO.
JSR0060

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 NE¼
SEC04-T28N-R31W

(20)
ARVEST BANK
SEE SHEET 68

EXIST. CITY R/W

ALLEY

EXIST. CITY R/W

502

(21)
ARVEST BANK
CARTHAGE
550 SF. TEMP. ESM'T
0.24 AC. REMAINING

(22)
MG F PROPERTIES
557 SF. TEMP. ESM'T
60 SF. NEW R/W
0.20 AC. REMAINING

EXIST. CITY R/W

GARRISON AVE.

SE¼ NE¼
SEC04-T28N-R31W

(24)
LIM YOUNG KEUM
& JUNG SHIM
33 SF NEW R/W
1.28 AC. REMAINING

EXIST. CITY R/W ¼¼ SECTION LINE

SCHRADER
ROY III
& JENNIFER
NO ACQUISITION

MATCHLINE STA. 503+74.53

STA. 504+76.98 LT
8" PCC CE
36' WIDE
7.7% GRADE

STA. 505+82.88 LT
8" PCC CE
18' WIDE
5.7% GRADE

STA. 506+18.39 LT
8" PCC CE
31' WIDE
3.4% GRADE

TEMP. CONST. ESM'T
+52.53 45.00'
+52.53 50.00'
+67.53 45.00'
+67.53 50.00'
+87.56 50.00'
+87.56 45.00'
TEMP. CONST. ESM'T
+37.55 50.00'
+37.55 45.00'
+97.58 45.01'
+97.58 50.00'
TEMP. CONST. ESM'T
+72.00 45.01'
+72.00 49.00'
+72.00 50.00'
NEW R/W
+87.00 49.00'
+86.99 65.00'
+35.12 45.00'
+38.50 45.00'
NEW R/W
+42.50 41.50'
+42.50 39.56'

(DND)
(DND)
(DND)
(UIP)
(R)
(DND)
(UIP)
R
(SIGN)

+87.00
45.01'

89°57'24"
89°57'31"

℄ ROUTE 96
S88°42'11"E

STA 507+25.30 ℄ ROUTE 96 BK =
STA 0+00.00 ℄ ROUTE 96 AHD =
STA 1732+25.60 ℄ GARRISON AVE.

℄ ROUTE 96
S88°42'11"E

+35.12
39.58'

0+48.50
END PAVEMENT
REPLACEMENT

+35.93 40.42'
+39.50 40.43'

90°15'30"

REMOVE EXIST.
ENTRANCE
(DND)

+86.95
44.99'

SEE SURVEY NOTES

NEW R/W
REMOVE & RELOCATE
(BUSINESS SIGN)

EXIST. MODOT R/W
EXIST. MODOT R/W
TEMP. CONST. ESM'T

(UIP)
(UIP)

+35.94 47.00'
+38.00 47.00'

STA. 504+77.62 RT
8" PCC CE
16' WIDE
6.7% GRADE

EXIST. CITY R/W
+87.34 50.00'
+87.36 44.83'

STA. 505+24.47 RT
8" PCC CE
32' WIDE
7.2% GRADE

STA. 505+90.22 RT
8" PCC CE
44' WIDE
2.3% GRADE

+72.00 44.98'
+69.00 50.00'
+69.00 65.00'
+72.00 62.00'
+86.97 62.00'
+86.97 65.00'

(23)
WILKIN ROLF
1,031 SF. TEMP. ESM'T
255 SF. NEW R/W
0.31 AC. REMAINING

ALLEY

KENNELL
KELVIN
NO ACQUISITION

SCHRADER
ROY III
& JENNIFER
NO ACQUISITION

BOOTS COURT FOUNDATION
NO ACQUISITION

EXIST. CITY R/W

GARRISON AVE.

(25)
MCDONALD GARY &
MAGIC KRINGDOM LLC ETAL
18 SF. NEW R/W
0.26 AC. REMAINING

EXIST. CITY R/W

SCALE
0 20 40 60

RIGHT OF WAY
SHEET 9 OF 9

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

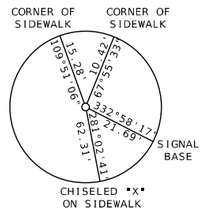
DATE PREPARED	
8/7/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	84
COUNTY	
JASPER	
JOB NO.	
JSR0060	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	
-	

DATE	DESCRIPTION

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

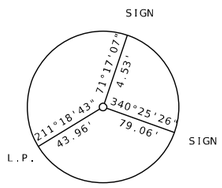
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

E SIGN BOLT PINK CIRCLE
SW QUAD 96 AND GARRISON AVE



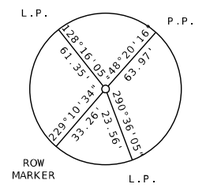
CP 1

5/8" PINK CAP EAST SIDE OF
CASEYS ENTRANCE FROM 96



CP 2

5/8" PINK CAP WEST SIDE OF
OR TO DAYS IN AND ARBYS.



CP 3

CONTROL POINTS
SHEET 1 OF 1

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	85

COUNTY
JASPER

JOB NO.
JSR0060

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.

...\085_RP_JSR0060_Plan 1.dgn 11:07:18 AM 9/30/2026

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD88
GEOID MODEL	18
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS
PROJECT PROJECTION FACTOR	1.00009000

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	XX
DESIGNATION	MODOT CARTHAGE CORS ARP
CORS_ID	MOCA
PID	DL6014
LATITUDE	371039.1661
LONGITUDE	942127.243
NORTHING (M)	112181.7290
EASTING (M)	862647.8740
ZONE	2403 MO-WEST
PROJECT AVERAGE GRID FACTOR	0.99990061

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 # CP1
N 368426.8936 X 1.0000900 = N 368460.0520
E 2842867.1300 X 1.0000900 = E 2843123.0180

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								
	506+75.63	RTE 96	54.36 RT	368,460.05	2,843,123.02	985.74	E SIGN BOLT PINK CIRLCE SW QUAD 96 AND GARRISON AVE	CP 1
	483+43.78	RTE 96	60.03 LT	368,625.80	2,840,794.11	984.32	5/8" PINK CAP EAST SIDE OF CASEYS ENTRANCE FROM 96"	CP 2
	461+37.71	RTE 96	85.24 LT	368,664.07	2,838,587.23	946.03	5/8" PINK CAP WEST SIDE OF OR TO DAYS IN AND ARBYS"	CP 3
ALIGNMENTS								
ROUTE 96								
	446+58.87 R1	℄ RTE 96	0	368,588.57	2,835,907.66		BEGIN CHAIN	
	473+35.67 R1	℄ RTE 96	0	368,578.85	2,838,584.44		EQUATION BACK	
	461+35.20 R2	℄ RTE 96	0	368,578.85	2,838,584.45		EQUATION AHEAD	
	467+96.00 R2	℄ RTE 96	0	368,576.71	2,839,245.24		PI	
	481+20.70 R2	℄ RTE 96	0	368,570.02	2,840,569.93		PI	
	487+73.50 R2	℄ RTE 96	0	368,557.61	2,841,222.61		PI	
	502+23.50 R2	℄ RTE 96	0	368,524.63	2,842,672.23		PI	
	507+25.30 R2	℄ RTE 96	0	368,513.27	2,843,173.90		END CHAIN	
CENTRAL								
	0+00.00	℄ CENTRAL	0	368,513.27	2,843,173.90		BEGIN	
	3+00.00	℄ CENTRAL	0	368,506.48	2,843,473.83		PI	
	4+50.00	℄ CENTRAL	0	368,503.08	2,843,623.79		END CHAIN	
ROUTE 96 BL								
	461+35.20	℄ RTE 96	0	368,587.85	2,838,584.45		BEGIN CHAIN	
	467+96.00	℄ RTE 96	0	368,576.71	2,839,245.24		PI	
	481+20.70	℄ RTE 96	0	368,569.73	2,840,569.92		PI	
	487+73.50	℄ RTE 96	0	368,556.18	2,841,222.58		PI	
	502+23.49	℄ RTE 96	0	368,525.14	2,842,672.24		PI	
	507+25.29	℄ RTE 96	0	368,513.27	2,843,173.90		PI EQUATION BACK	
	0+00.00 R2	℄ RTE 96	0	368,513.27	2,843,173.91		EQUATION AHEAD	
	0+65.62	℄ RTE 96	0	368,511.78	2,843,239.51		END CHAIN	
RAMP 1								
	0+00.00	℄ RAMP 1	0	369,676.33	2,837,482.96		PC BEGIN CHAIN	
	2+95.42	℄ RAMP 1		369,381.65	2,837,503.77		PI	
				369,878.15	2,840,340.63		CC	
	5+88.76	℄ RAMP 1	0	369,097.41	2,837,584.28		PT	
	11+24.50	℄ RAMP 1	0	368,581.95	2,837,730.28		END CHAIN	
RAMP 2								
	0+00.00	℄ RAMP 2	0	369,724.16	2,837,346.34		PC BEGIN CHAIN	
	3+57.50	℄ RAMP 2		369,367.54	2,837,371.39		PI	
				369,523.41	2,834,488.59		CC	
	7+11.32	℄ RAMP 2	0	369,015.70	2,837,308.03		PT	
	11+50.20	℄ RAMP 2	0	368,583.76	2,837,230.25		END CHAIN	
RAMP 3								
	0+00.00	℄ RAMP 3		368,581.95	2,837,730.28		BEGIN CHAIN	
	7+41.16	℄ RAMP 3		367,854.87	2,837,586.51		PC	
	10+41.50	℄ RAMP 3		367,560.23	2,837,528.25		PI	
		℄ RAMP 3		367,113.91	2,841,333.67		CC	
	13+40.61	℄ RAMP 3		367,260.11	2,837,516.75		PT	
	16+40.27	℄ RAMP 3		366,960.67	2,837,505.28		END CHAIN	

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

DATE PREPARED
10/2/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	86

COUNTY
JASPER

JOB NO.
JSR0060

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.

COORDINATE POINT SHEET
SHEET 1 OF 2

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								
RAMP 4								
	0+00.00	℄ RAMP 4	0	368,583.76	2,837,230.25		BEGIN CHAIN	
	7+92.34	℄ RAMP 4	0	367,800.74	2,837,351.36		PC	
	10+73.10	℄ RAMP 4		367,523.27	2,837,394.27		PI	
				367,362.86	2,834,520.23		CC	
	13+52.07	℄ RAMP 4	0	367,242.76	2,837,382.50		PT	
	13+71.31	℄ RAMP 4	0	367,223.54	2,837,381.70		END CHAIN	
BOGGESS								
	2+00.00	℄ BOGGESS	0	368,731.69	2,838,433.83		BEGIN CHAIN	
	2+89.96	℄ BOGGESS	0	368,731.60	2,838,523.80		PC	
	3+73.25	℄ BOGGESS		368,731.51	2,838,607.08		PI	
				368,631.60	2,838,523.70		CC	
	4+28.85	℄ BOGGESS	0	368,649.59	2,838,622.06		PT	
	4+36.64	℄ BOGGESS	0	368,641.93	2,838,623.46		PC	
	4+50.48	℄ BOGGESS		368,628.31	2,838,625.96		PI	
				368,614.94	2,838,475.91		CC	
	4+64.25	℄ BOGGESS	0	368,614.46	2,838,625.91		PT	
	5+00.00	℄ BOGGESS	0	368,578.71	2,838,625.80		END CHAIN	
BAKER BLVD								
	0+00.00	℄ BAKER	0	368,934.88	2,839,253.71		BEGIN CHAIN	
	3+58.269	℄ BAKER	0	368,576.71	2,839,245.24		PI	
	7+80.55	℄ BAKER	0	368,154.57	2,839,234.21		END CHAIN	
FLORENCE-N								
	4+00.00	℄ FLORENCE	0	368,674.39	2,839,685.16		BEGIN CHAIN	
	5+00.03	℄ FLORENCE	0	368,574.41	2,839,682.24		END CHAIN	
FLORENCE-S								
	5+00.00	℄ FLORENCE	0	368,574.40	2,839,684.14		BEGIN CHAIN	
	6+00.03	℄ FLORENCE	0	368,474.41	2,839,681.22		END CHAIN	
CENTER ST								
	5+00.00	℄ CENTER	0	368,572.28	2,840,086.63		BEGIN CHAIN	
	6+00.00	℄ CENTER	0	368,472.32	2,840,083.71		END CHAIN	
FRANCIS ST								
	0+00.00	℄ FRANCIS	0	368,915.38	2,840,573.60		BEGIN CHAIN	
	3+45.38	℄ FRANCIS	0	368,570.02	2,840,569.93		PI	
	8+00.20	℄ FRANCIS	0	368,115.38	2,840,557.35		END CHAIN	
BLANCHE ST								
	4+00.00	℄ BLANCHE	0	368,656.12	2,841,224.87		BEGIN CHAIN	
	5+00.00	℄ BLANCHE	0	368,556.18	2,841,222.58		PI	
	7+00.00	℄ BLANCHE	0	368,356.26	2,841,217.17		END CHAIN	
McGREGOR ST								
	3+00.00	℄ MCGREGOR	0	368,725.02	2,842,679.83		BEGIN CHAIN	
	5+00.00	℄ MCGREGOR	0	368,525.07	2,842,675.25		PI	
	8+00.00	℄ MCGREGOR	0	368,225.19	2,842,666.79		END CHAIN	
GARRISON								
	1727+83.77	℄ GARRISON	0	368,954.99	2,843,183.58		BEGIN CHAIN	
	1732+25.60	℄ GARRISON	0	368,513.27	2,843,173.90		PI	
	1736+16.89	℄ GARRISON	0	368,122.07	2,843,165.38		END CHAIN	

COORDINATE POINT SHEET
SHEET 2 OF 2

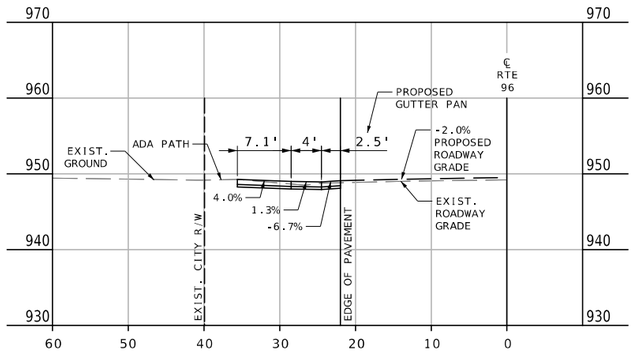
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 8/7/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 87
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. -

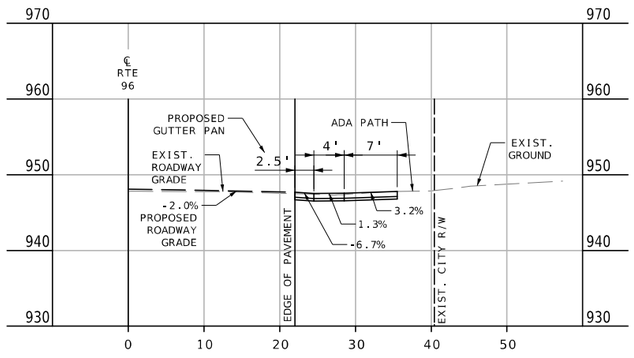
DESCRIPTION | DATE

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

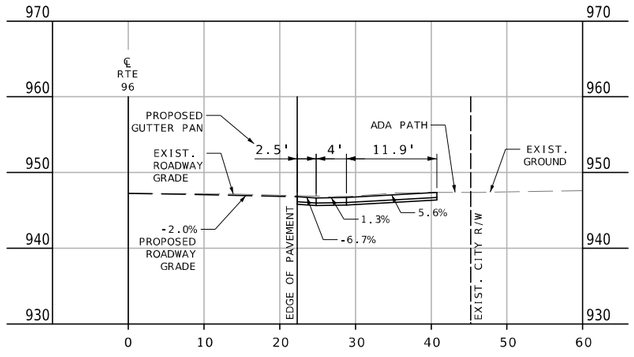
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



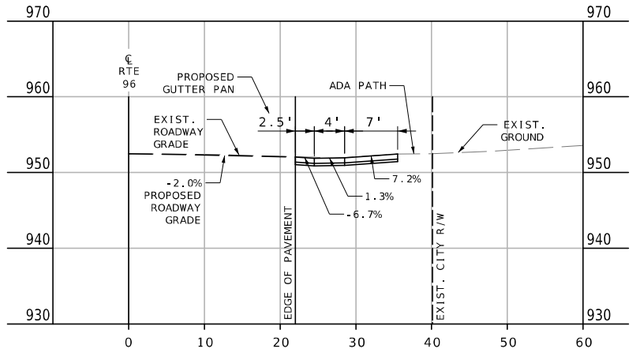
STA. 463+14.90 LT
8" PCC CE
21' WIDE
ROUTE 96 (W CENTRAL AVE.)



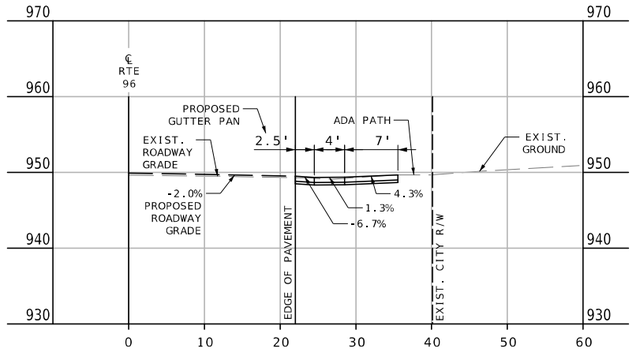
STA. 462+58.04 RT
8" PCC CE
13' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 461+85.58 RT
8" PCC CE
19' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 463+91.02 RT
8" PCC CE
19' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 463+26.81 RT
8" PCC CE
19' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 1 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	88

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

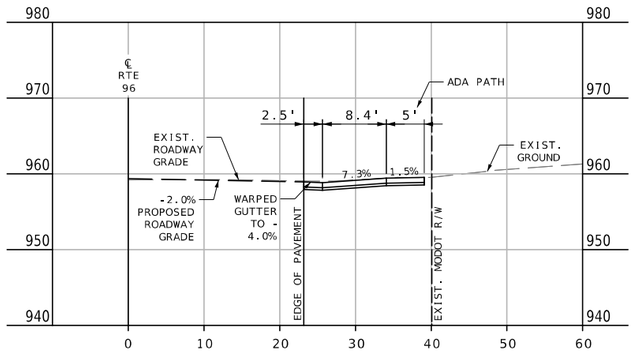
BRIDGE NO.

DESCRIPTION	DATE

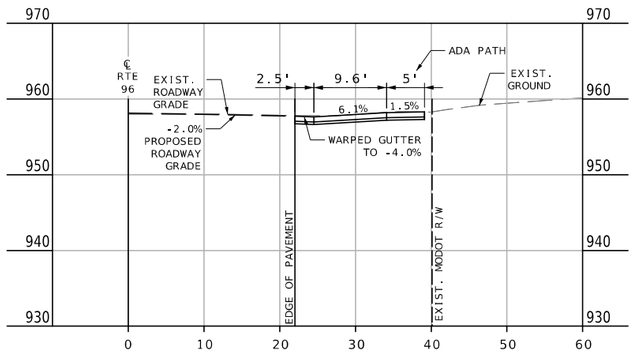
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

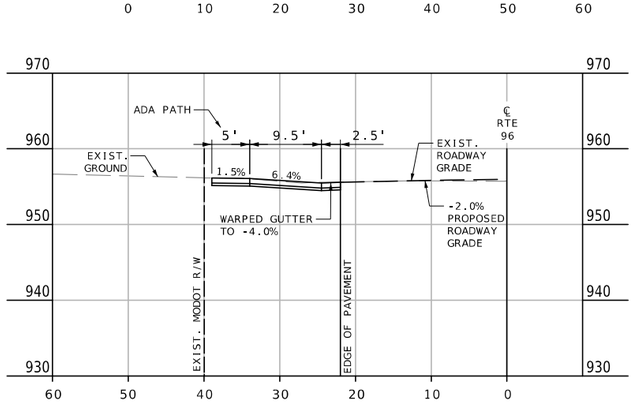
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



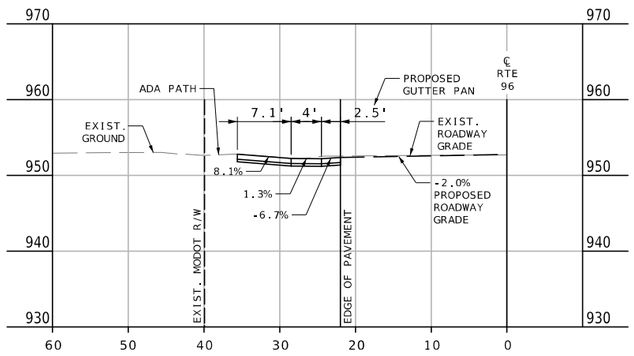
STA. 465+16.77 RT
8" PCC CE
12' WIDE
ROUTE 96 (W CENTRAL AVE.)



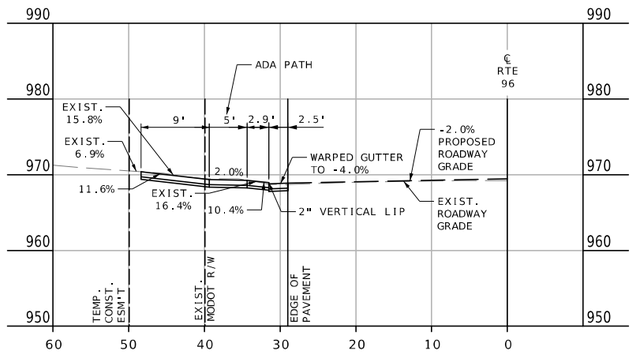
STA. 464+95.16 RT
8" PCC CE
12' WIDE
ROUTE 96 (W CENTRAL AVE.)



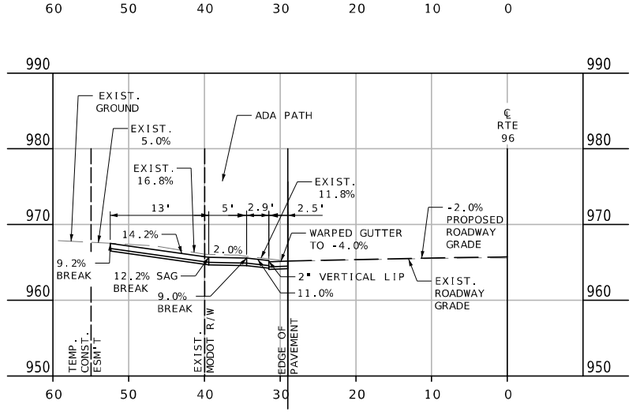
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8" PCC CE
18' WIDE
ROUTE 96 (W CENTRAL AVE.)



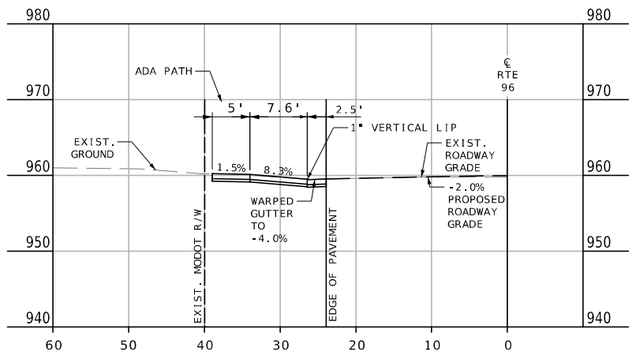
STA. 463+97.26 LT
8" PCC CE
19' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 466+95.12 LT
8" PCC CE
9' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 466+28.76 LT
8" PCC CE
18' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 465+27.60 LT
8" PCC CE
18' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 2 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	89

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

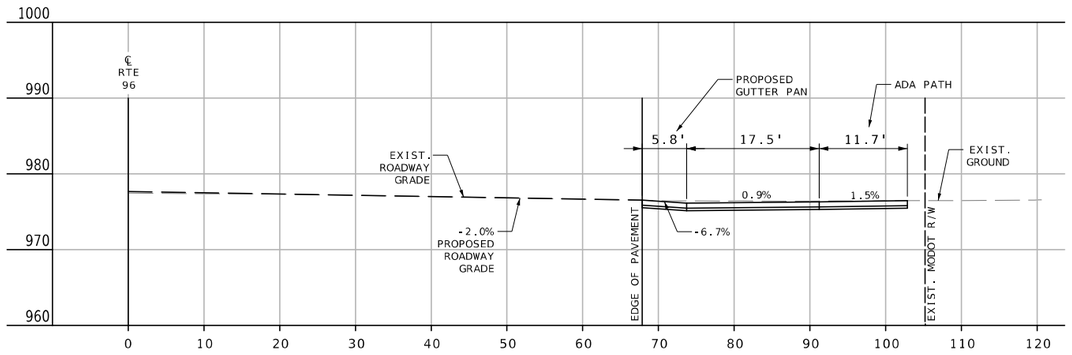
BRIDGE NO.

DESCRIPTION	DATE

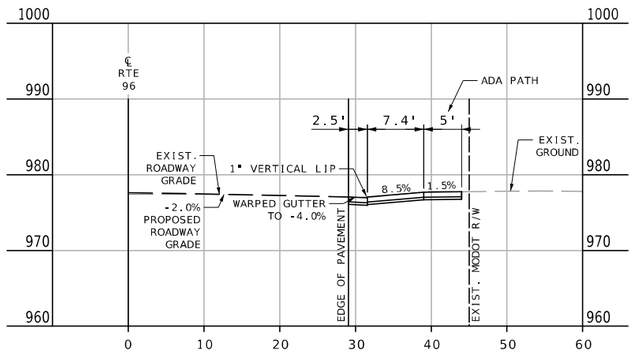
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

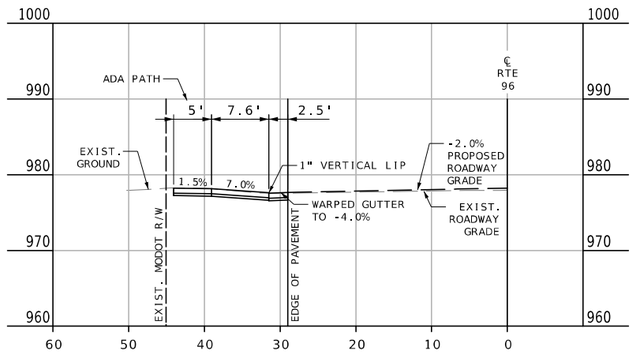
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



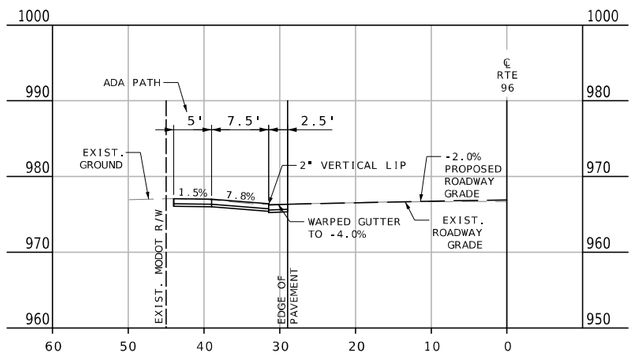
STA. 470+42.21 RT
SKEWED 64.4° RB
8" PCC CE
13' WIDE
ROUTE 96 (W CENTRAL AVE.)



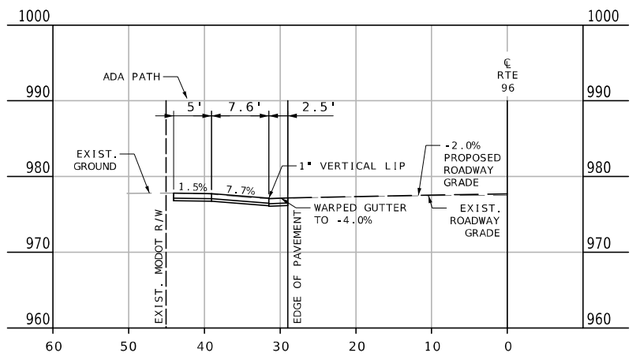
STA. 470+38.19 RT
8" PCC CE
39' WIDE
ROUTE 96 (W CENTRAL AVE.)



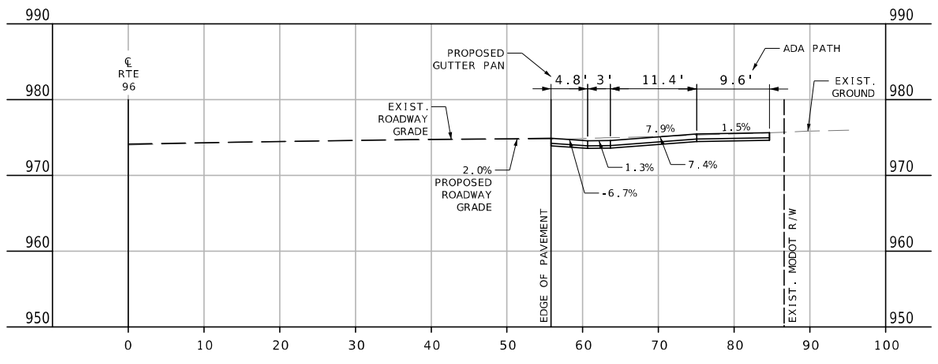
STA. 470+98.50 LT
8" PCC CE
50' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 469+63.70 LT
8" PCC CE
59' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 470+48.23 LT
8" PCC CE
30' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 468+08.93 RT
SKEWED 58°4 RA
8" PCC CE
15' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 3 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	90

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

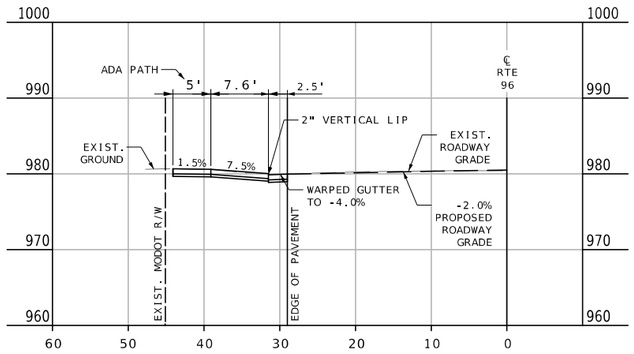
BRIDGE NO.

DESCRIPTION	DATE

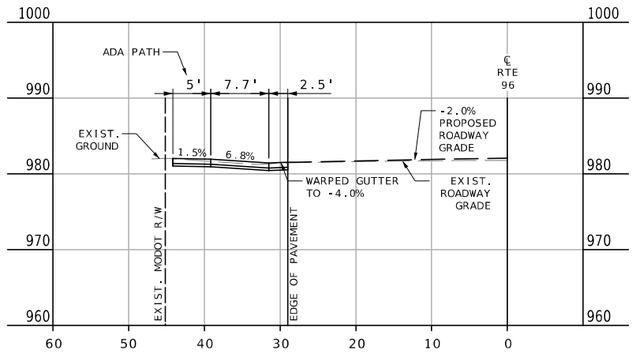
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

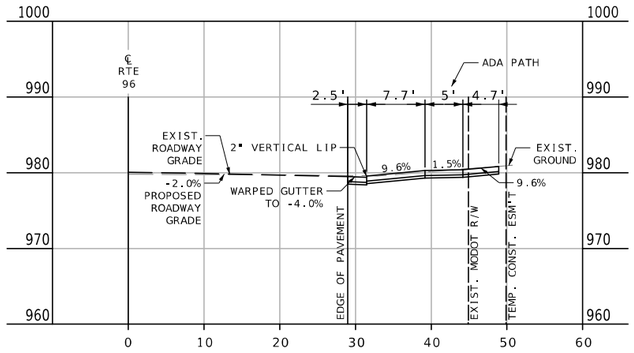
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



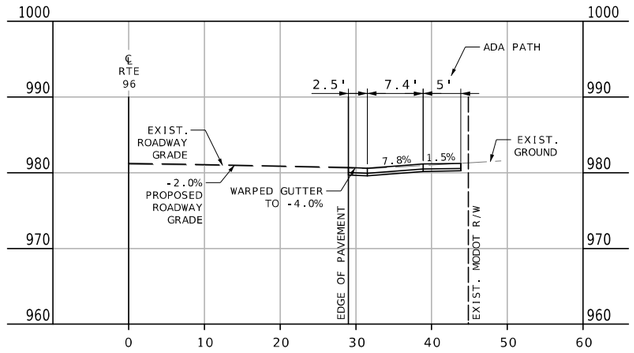
STA. 473+36.27 LT
8" PCC CE
34' WIDE
ROUTE 96 (W CENTRAL AVE.)



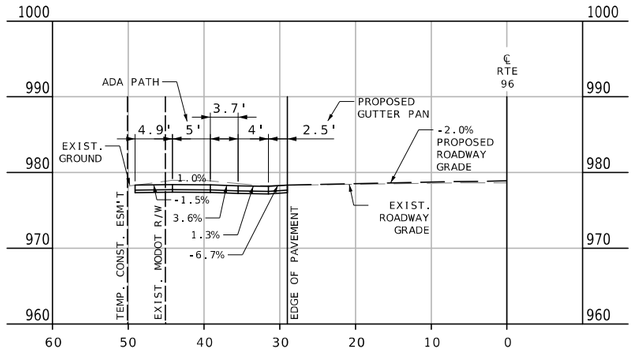
STA. 474+98.79 LT
8" PCC CE
33' WIDE
ROUTE 96 (W CENTRAL AVE.)



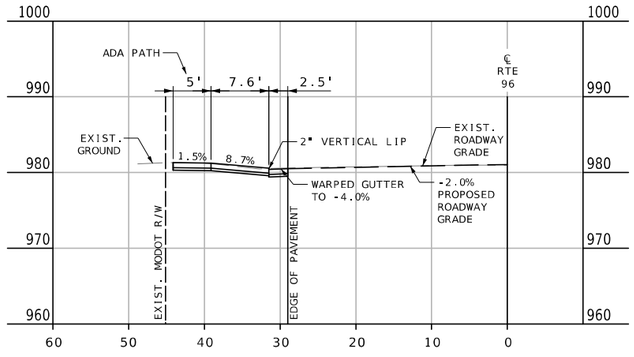
STA. 472+89.61 RT
8" PCC CE
29' WIDE
ROUTE 96 (W CENTRAL AVE.)



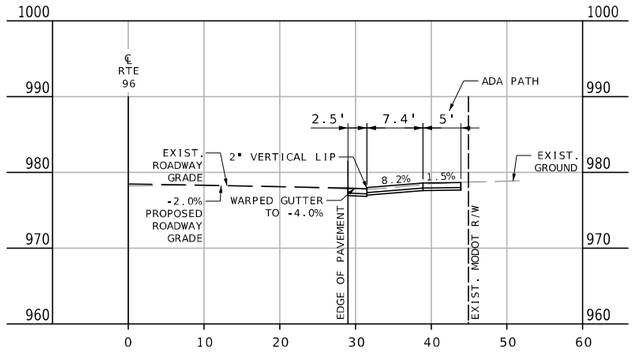
STA. 474+12.35 RT
8" PCC CE
36' WIDE
ROUTE 96 (W CENTRAL AVE.)



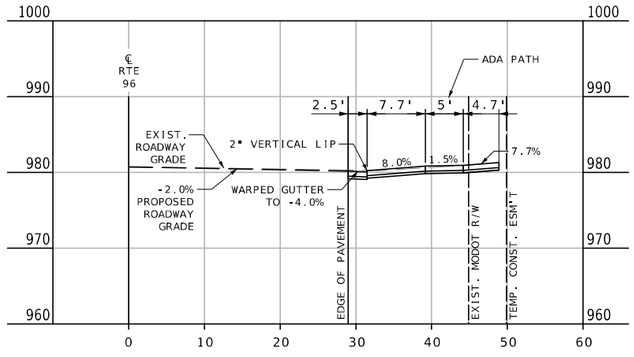
STA. 471+70.65 LT
8" PCC CE
35' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 473+94.41 LT
8" PCC CE
45' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 471+26.21 RT
8" PCC CE
11' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 473+58.39 RT
8" PCC CE
30' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 4 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	91

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

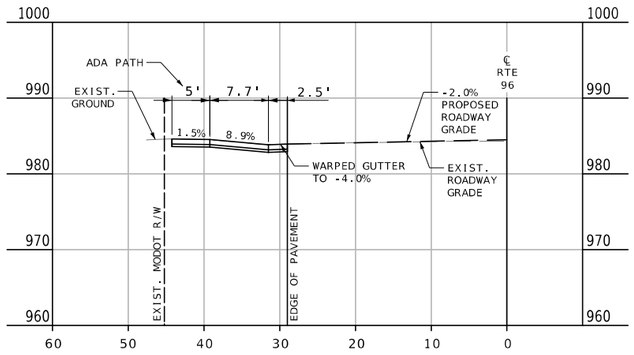
BRIDGE NO.

DESCRIPTION	DATE

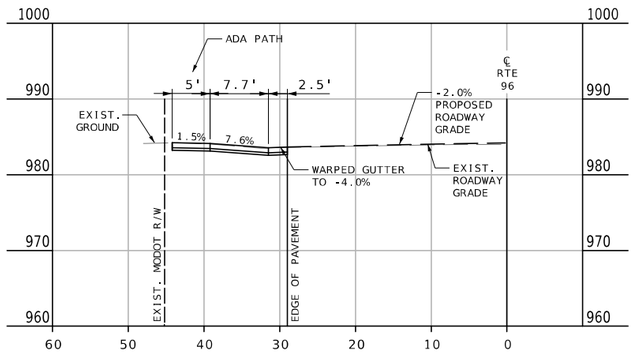
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

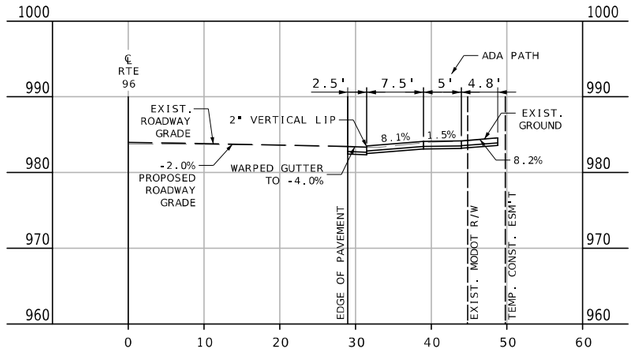
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



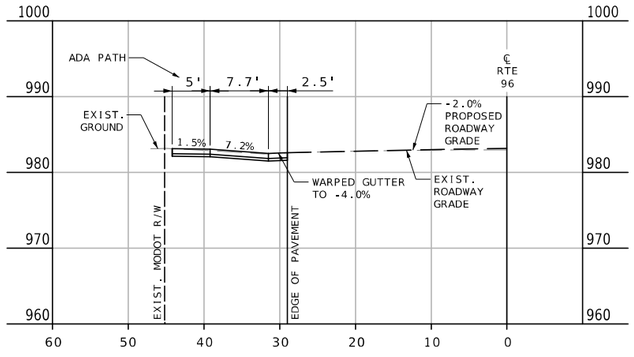
STA. 478+36.85 LT
8" PCC CE
32' WIDE
ROUTE 96 (W CENTRAL AVE.)



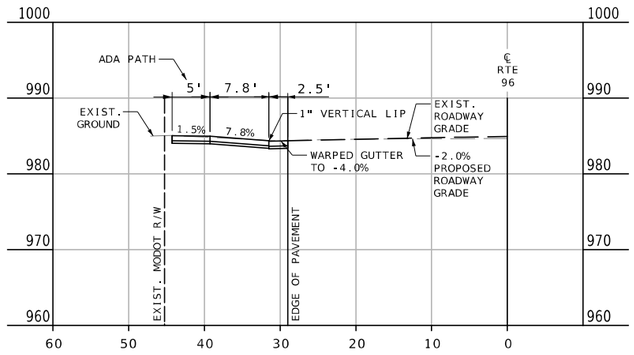
STA. 477+65.88 LT
8" PCC CE
30' WIDE
ROUTE 96 (W CENTRAL AVE.)



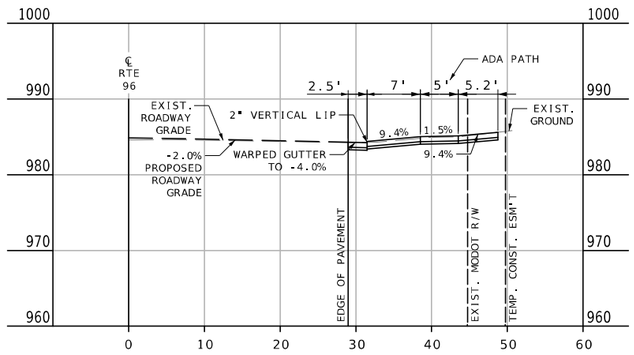
STA. 477+27.73 RT
8" PCC CE
61' WIDE
ROUTE 96 (W CENTRAL AVE.)



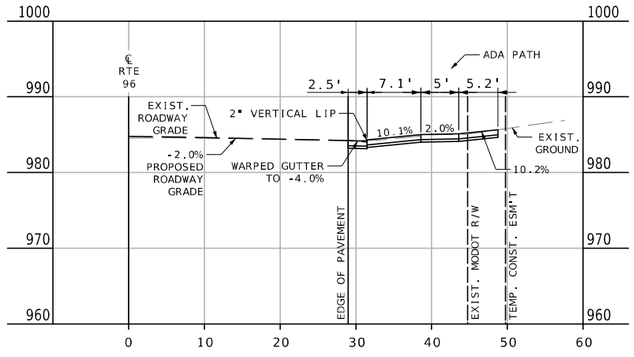
STA. 476+13.79 LT
8" PCC CE
35' WIDE
ROUTE 96 (W CENTRAL AVE.)



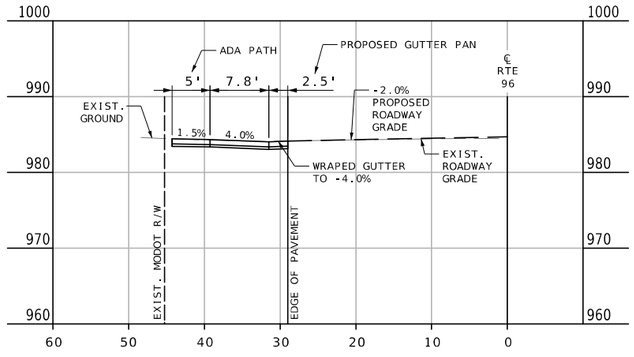
STA. 480+46.72 LT
8" PCC CE
35' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 480+05.67 RT
8" PCC CE
40' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 479+64.76 RT
8" PCC CE
15' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 479+19.63 LT
8" PCC CE
37' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 5 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	92

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

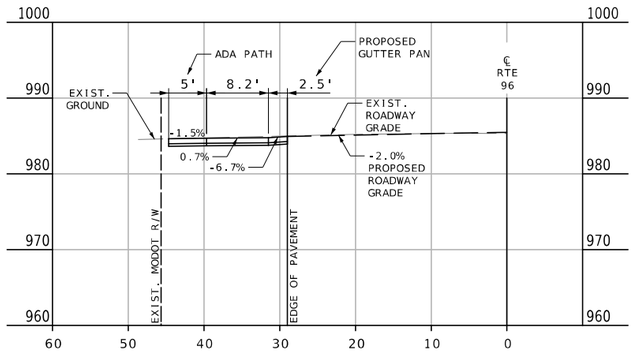
BRIDGE NO.

DESCRIPTION	DATE

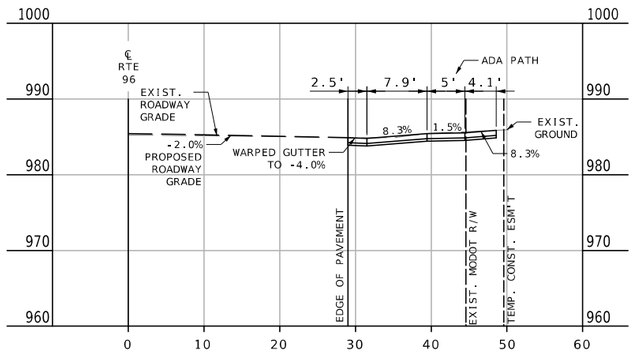
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

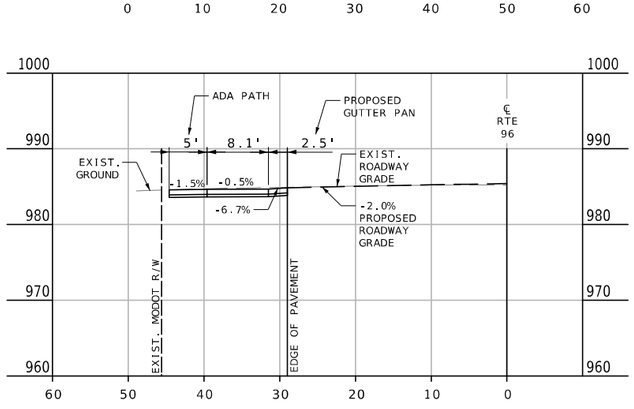
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



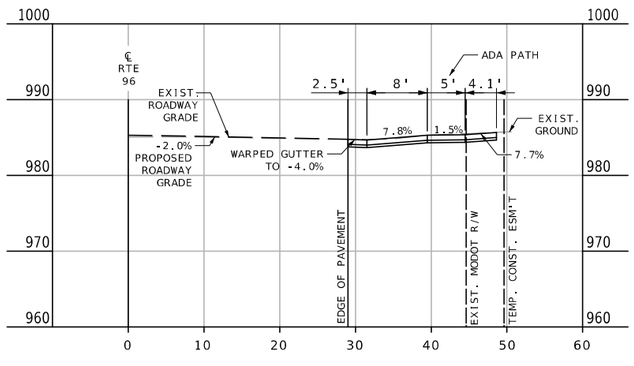
STA. 483+32.14 LT
8" PCC CE
40' WIDE
ROUTE 96 (W CENTRAL AVE.)



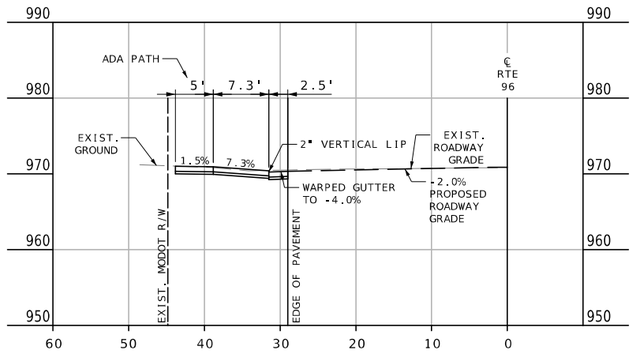
STA. 483+04.73 RT
8" PCC CE
40' WIDE
ROUTE 96 (W CENTRAL AVE.)



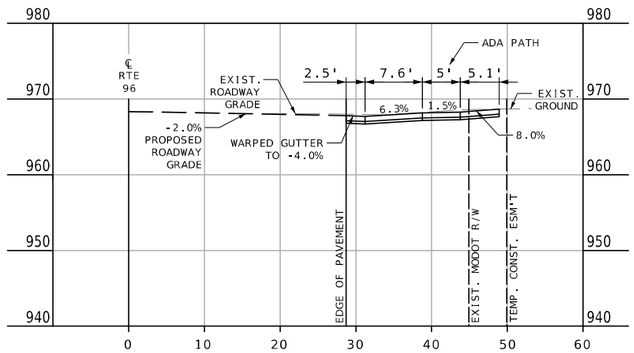
STA. 482+94.59 LT
8" PCC CE
16' WIDE
ROUTE 96 (W CENTRAL AVE.)



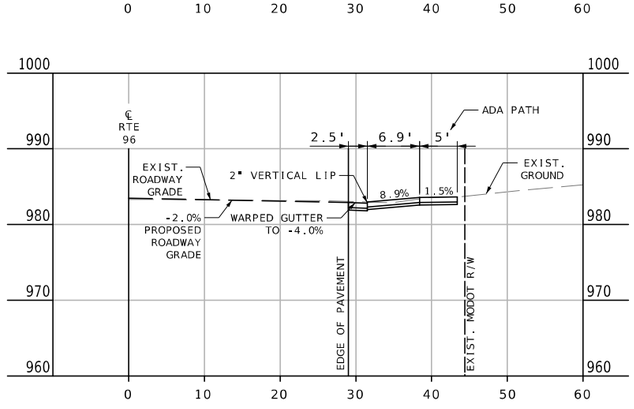
STA. 482+44.74 RT
8" PCC CE
40' WIDE
ROUTE 96 (W CENTRAL AVE.)



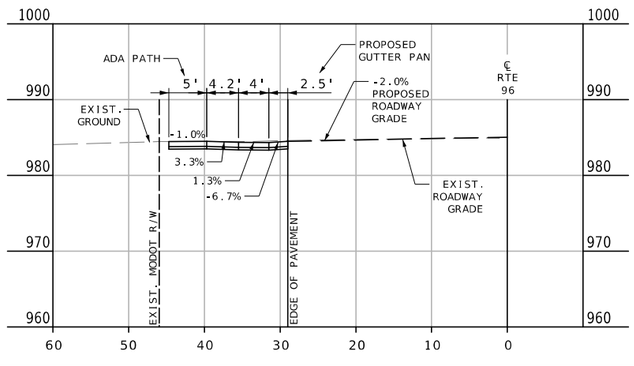
STA. 499+66.34 LT
8" PCC CE
58' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 498+10.28 RT
8" PCC CE
26' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 486+64.91 RT
8" PCC CE
26' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 485+39.78 LT
8" PCC CE
59' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 6 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	93

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

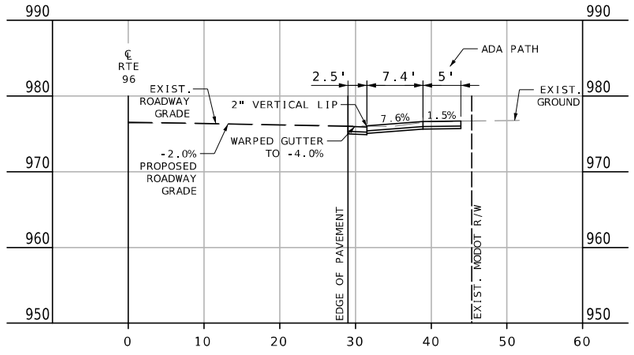
BRIDGE NO.

DESCRIPTION	DATE

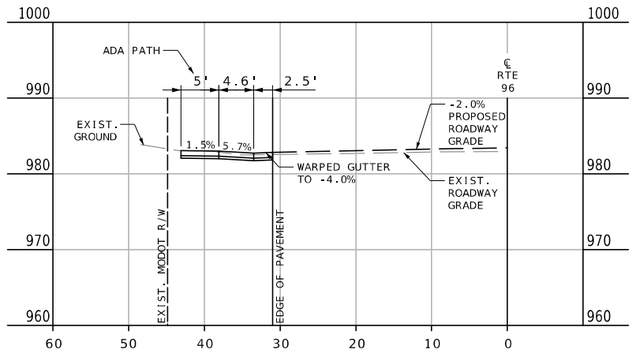
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

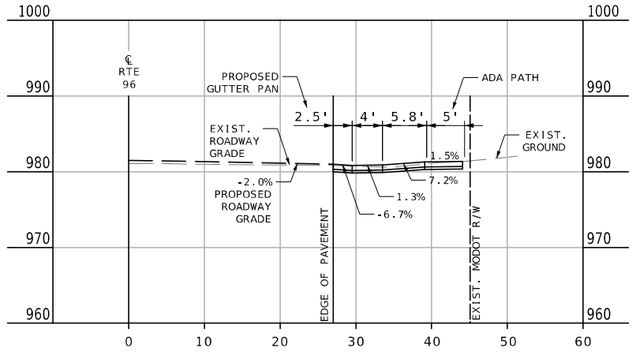
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



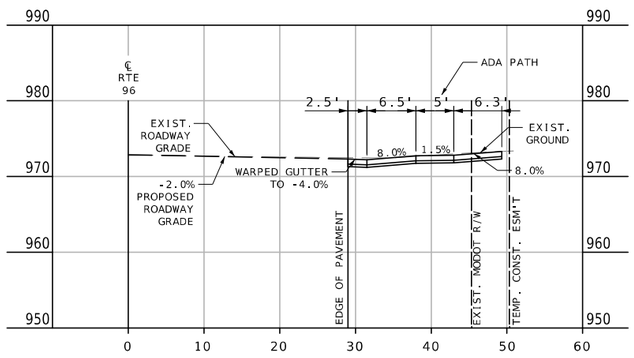
STA. 503+20.36 RT
8" PCC CE
11' WIDE
ROUTE 96 (W CENTRAL AVE.)



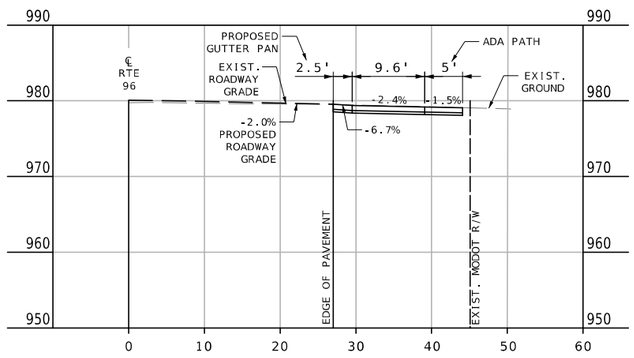
STA. 505+82.88 LT
8" PCC CE
50' WIDE
ROUTE 96 (W CENTRAL AVE.)



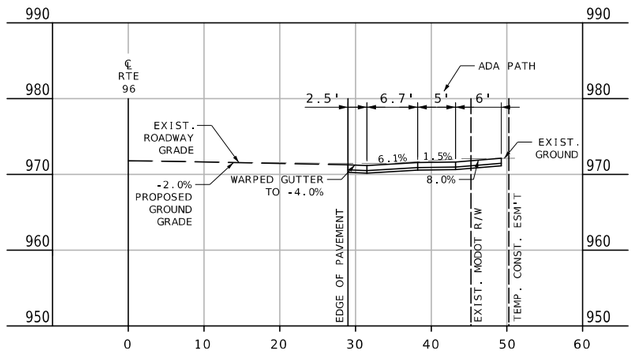
STA. 505+24.47 RT
8" PCC CE
32' WIDE
ROUTE 96 (W CENTRAL AVE.)



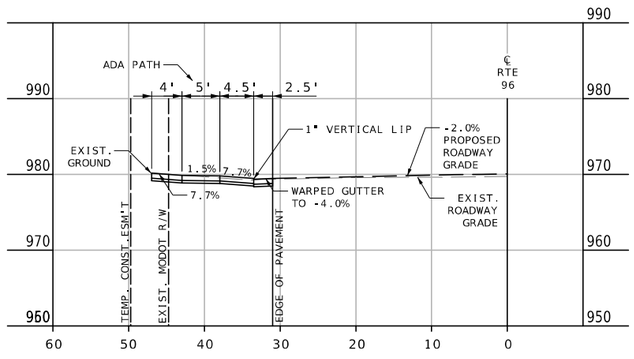
STA. 500+90.42 RT
8" PCC CE
44' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 504+77.62 RT
8" PCC CE
16' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 500+24.03 RT
8" PCC CE
30' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 504+76.98 LT
8" PCC CE
36' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 7 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	94

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

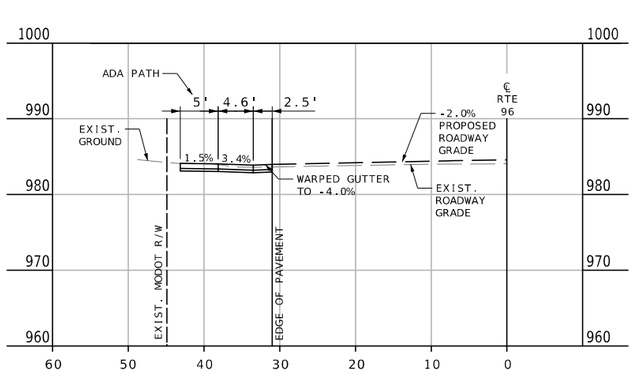
BRIDGE NO.

DATE	DESCRIPTION

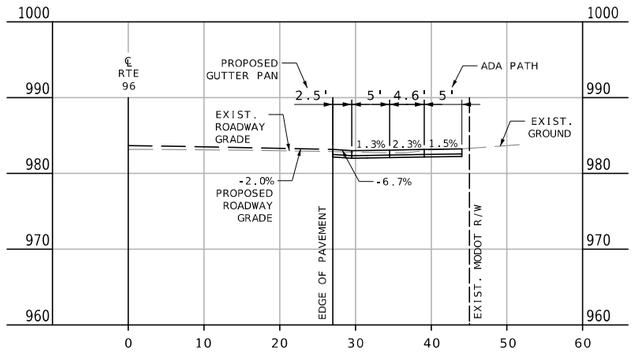
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



STA. 506+18.39 LT
8" PCC CE
31' WIDE
ROUTE 96 (W CENTRAL AVE.)



STA. 505+90.22 RT
8" PCC CE
44' WIDE
ROUTE 96 (W CENTRAL AVE.)

SPECIAL SHEETS
DRIVE PROFILES
SHEET 8 OF 8

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	95

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

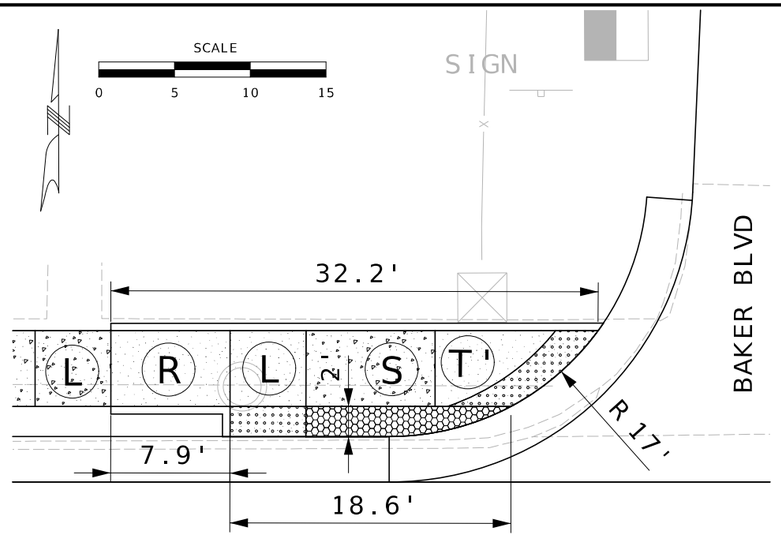
BRIDGE NO.

DESCRIPTION	DATE

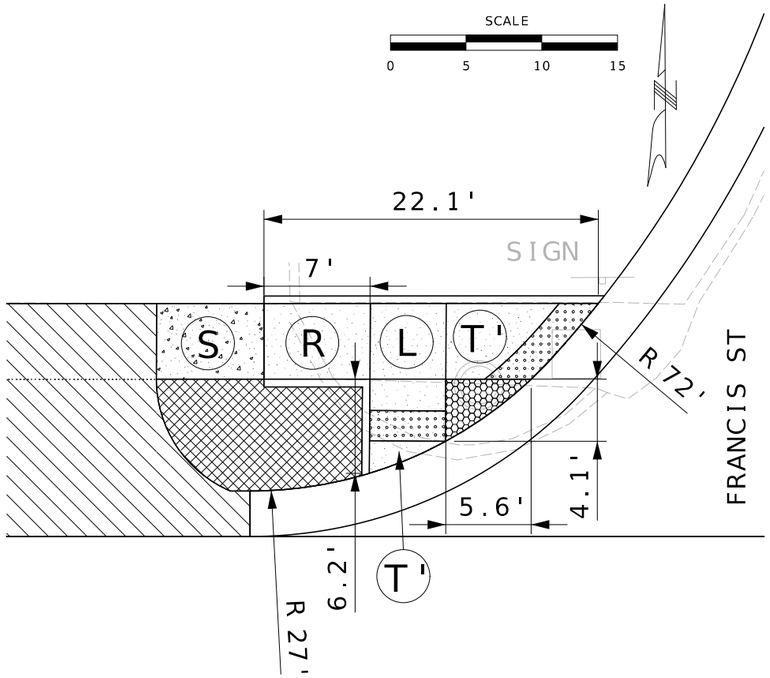
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

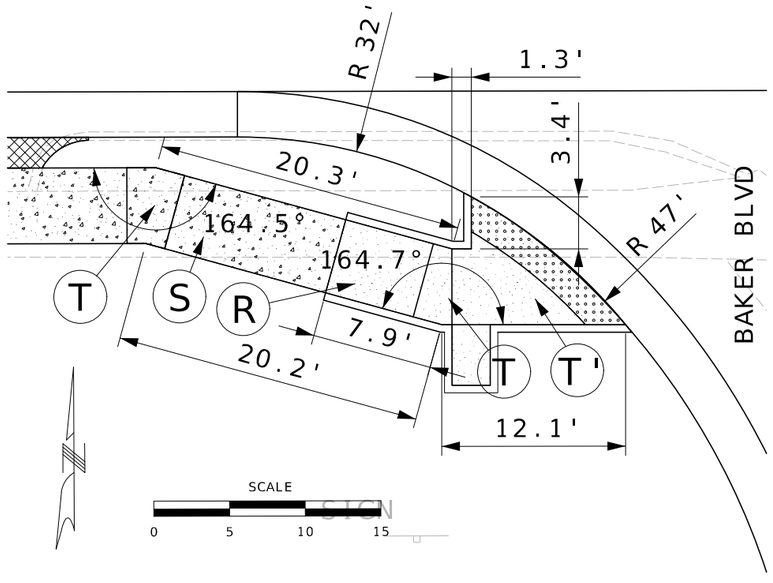


ROUTE 96 (W CENTRAL AVE.)

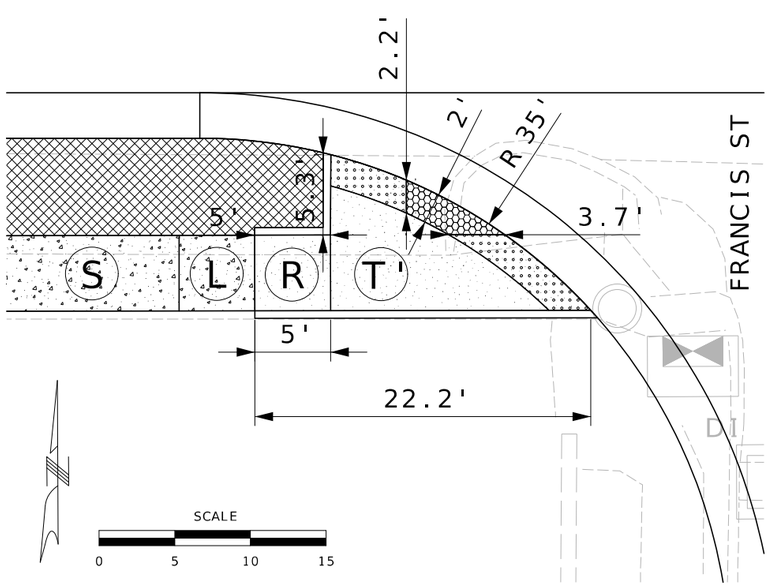


ROUTE 96 (W CENTRAL AVE.)

ROUTE 96 (W CENTRAL AVE.)



ROUTE 96 (W CENTRAL AVE.)



SPECIAL SHEETS
INTERSECTION DETAIL
SHEET 1 OF 2

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	96

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

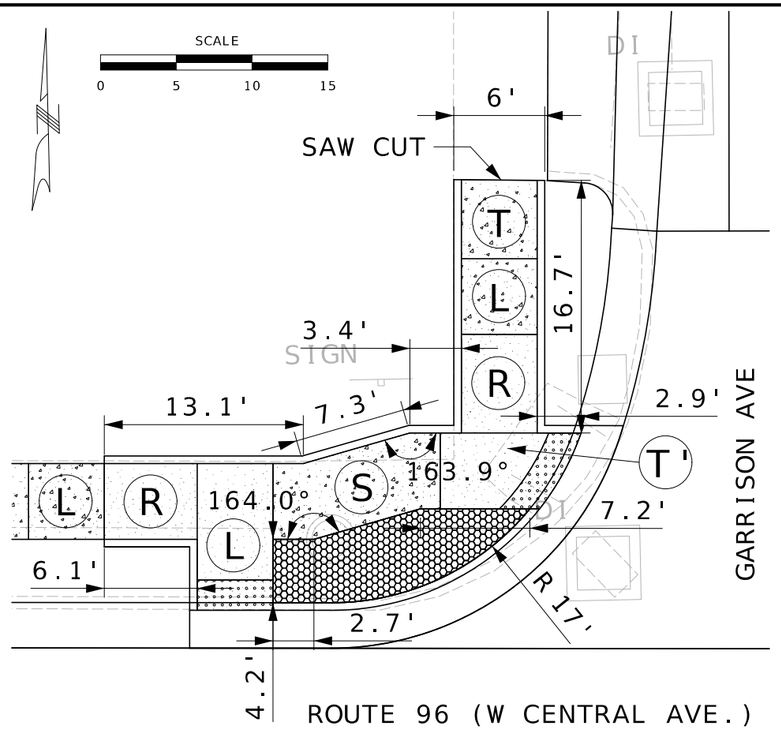
BRIDGE NO.

DESCRIPTION	DATE

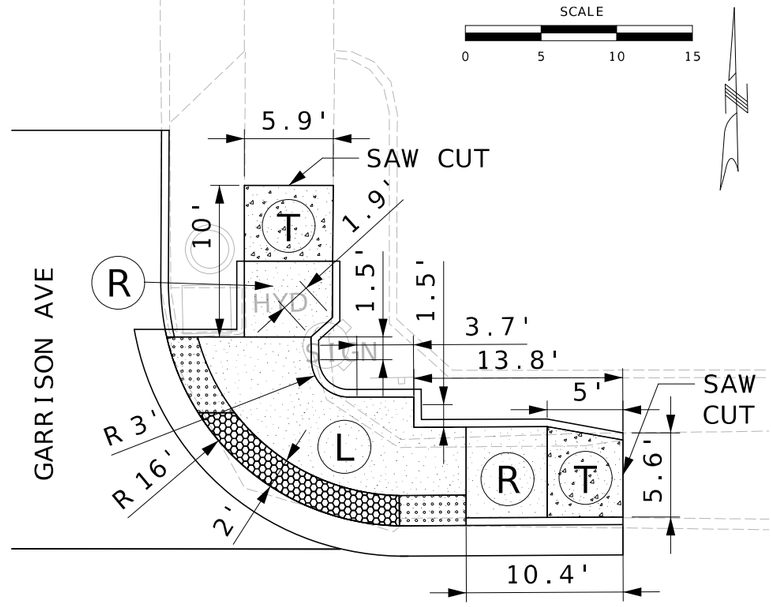
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

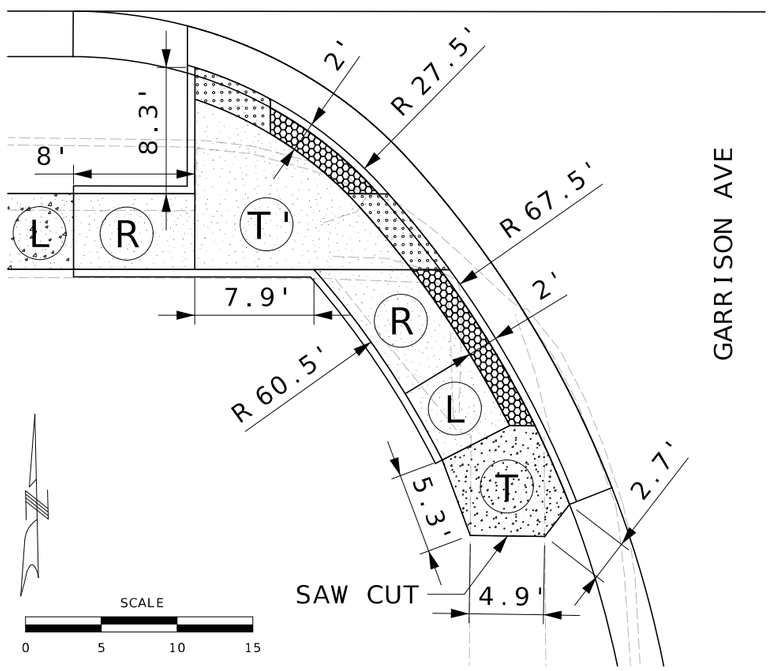
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

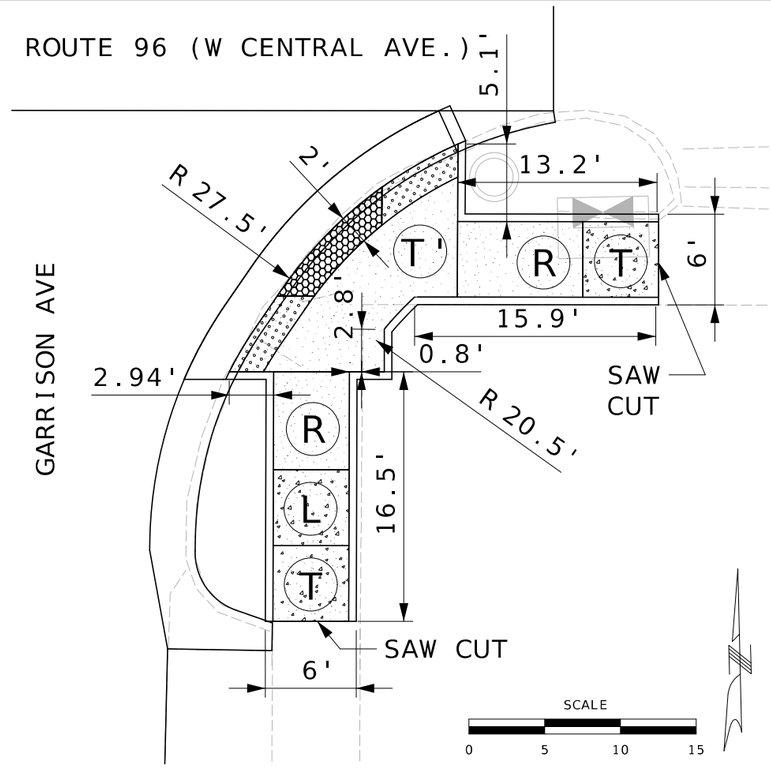


ROUTE 96 (W CENTRAL AVE.)



ROUTE 96 (W CENTRAL AVE.)





SPECIAL SHEETS
INTERSECTION DETAIL
SHEET 2 OF 2

STATE OF MISSOURI
ROBERT B. GREEN
NUMBER PE-25339
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	97

COUNTY
JASPER

JOB NO.
J7S3506B

CONTRACT ID.

PROJECT NO.

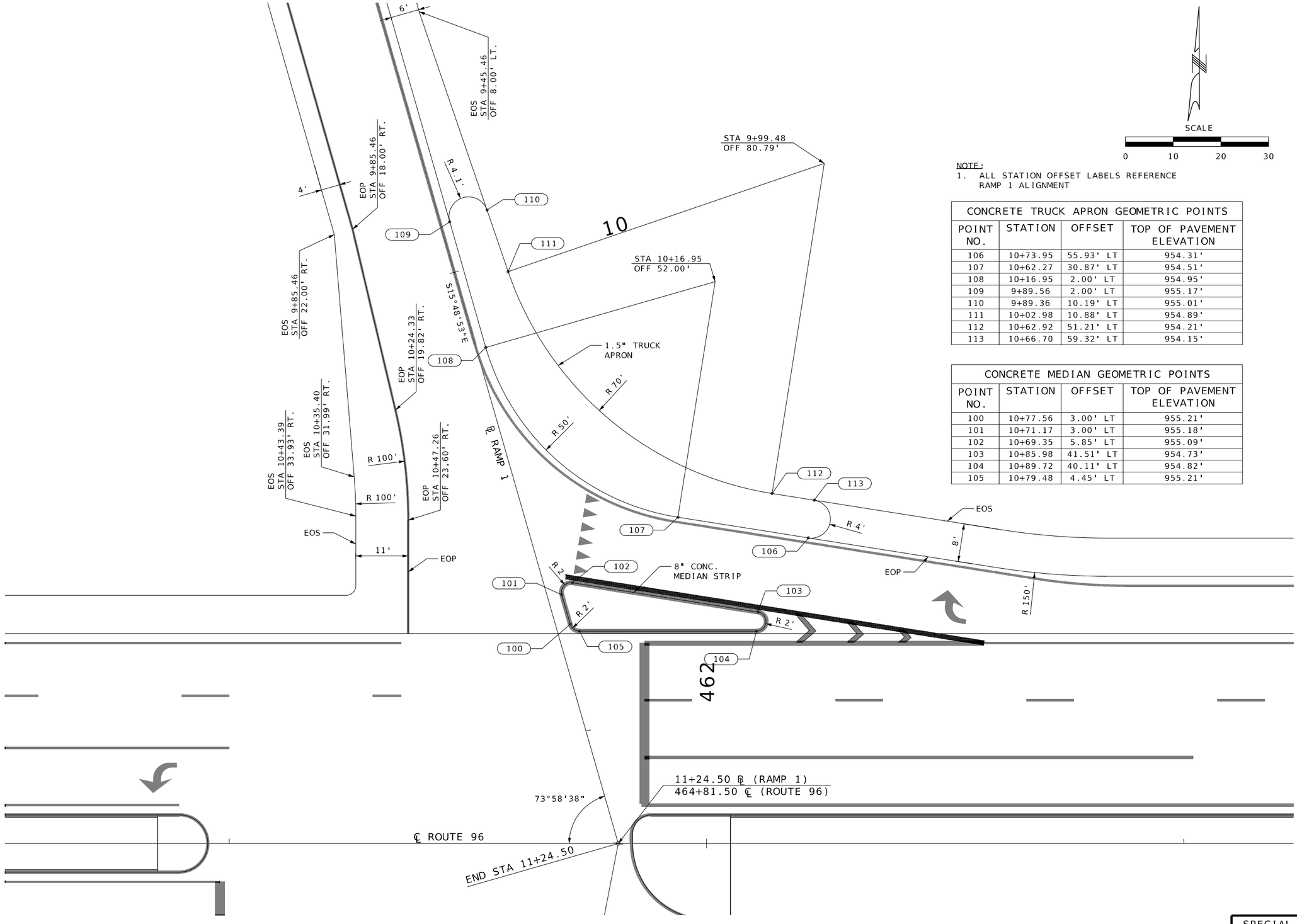
BRIDGE NO.

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

REV.	DESCRIPTION	DATE

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101
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CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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SCALE

0 10 20 30

NOTE:
1. ALL STATION OFFSET LABELS REFERENCE RAMP 1 ALIGNMENT

CONCRETE TRUCK APRON GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
106	10+73.95	55.93' LT	954.31'
107	10+62.27	30.87' LT	954.51'
108	10+16.95	2.00' LT	954.95'
109	9+89.56	2.00' LT	955.17'
110	9+89.36	10.19' LT	955.01'
111	10+02.98	10.88' LT	954.89'
112	10+62.92	51.21' LT	954.21'
113	10+66.70	59.32' LT	954.15'

CONCRETE MEDIAN GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
100	10+77.56	3.00' LT	955.21'
101	10+71.17	3.00' LT	955.18'
102	10+69.35	5.85' LT	955.09'
103	10+85.98	41.51' LT	954.73'
104	10+89.72	40.11' LT	954.82'
105	10+79.48	4.45' LT	955.21'

SPECIAL SHEET
1 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	98

COUNTY
JASPER

JOB NO.
JSR0060

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)

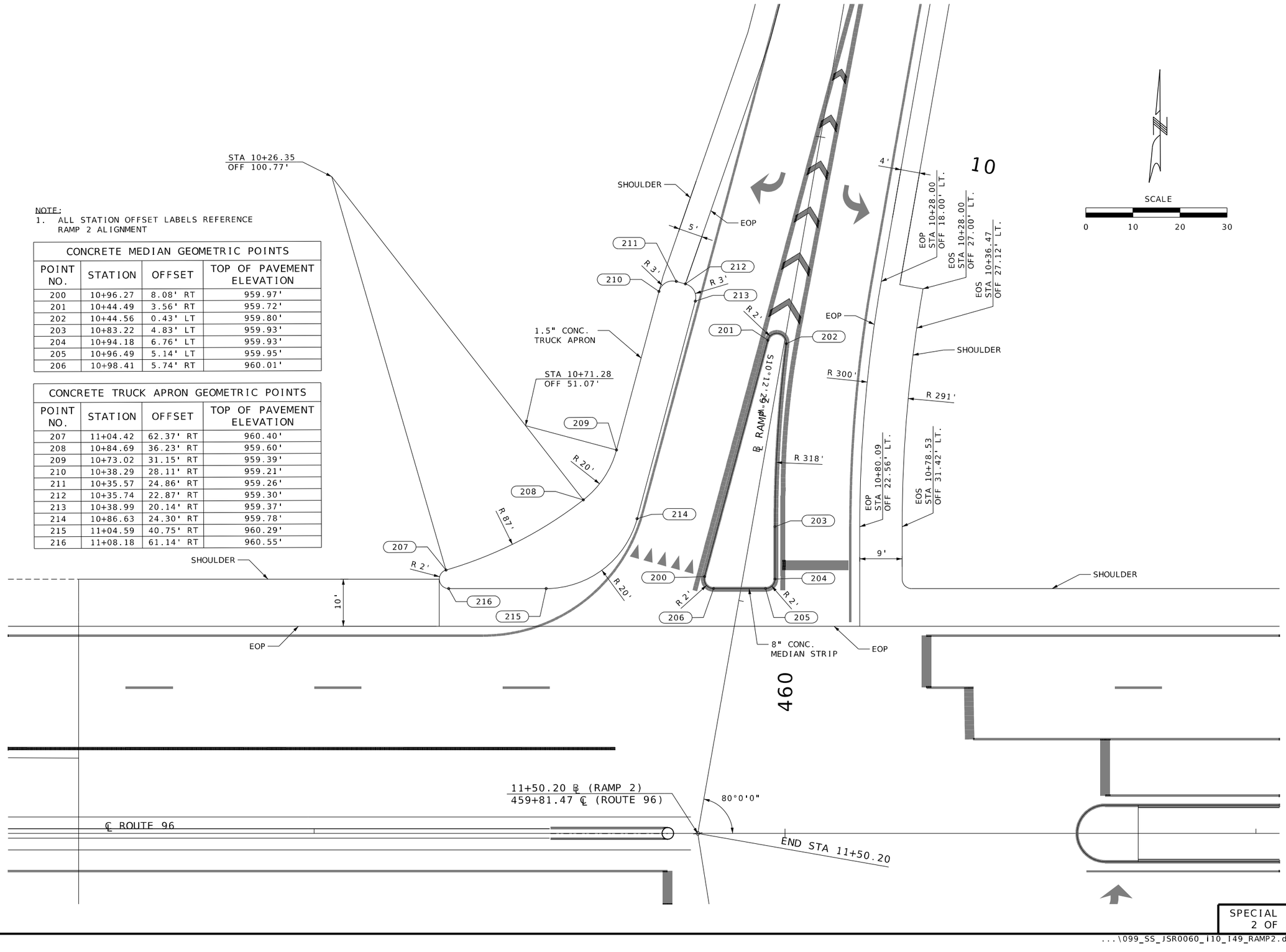
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.

...\098_SS_JSR0060_i10_I49_RAMP1.dgn 11:10:22 AM 9/30/2026

NOTE:
1. ALL STATION OFFSET LABELS REFERENCE RAMP 2 ALIGNMENT

CONCRETE MEDIAN GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
200	10+96.27	8.08' RT	959.97'
201	10+44.49	3.56' RT	959.72'
202	10+44.56	0.43' LT	959.80'
203	10+83.22	4.83' LT	959.93'
204	10+94.18	6.76' LT	959.93'
205	10+96.49	5.14' LT	959.95'
206	10+98.41	5.74' RT	960.01'

CONCRETE TRUCK APRON GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
207	11+04.42	62.37' RT	960.40'
208	10+84.69	36.23' RT	959.60'
209	10+73.02	31.15' RT	959.39'
210	10+38.29	28.11' RT	959.21'
211	10+35.57	24.86' RT	959.26'
212	10+35.74	22.87' RT	959.30'
213	10+38.99	20.14' RT	959.37'
214	10+86.63	24.30' RT	959.78'
215	11+04.59	40.75' RT	960.29'
216	11+08.18	61.14' RT	960.55'



10

SCALE
0 10 20 30

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	99

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

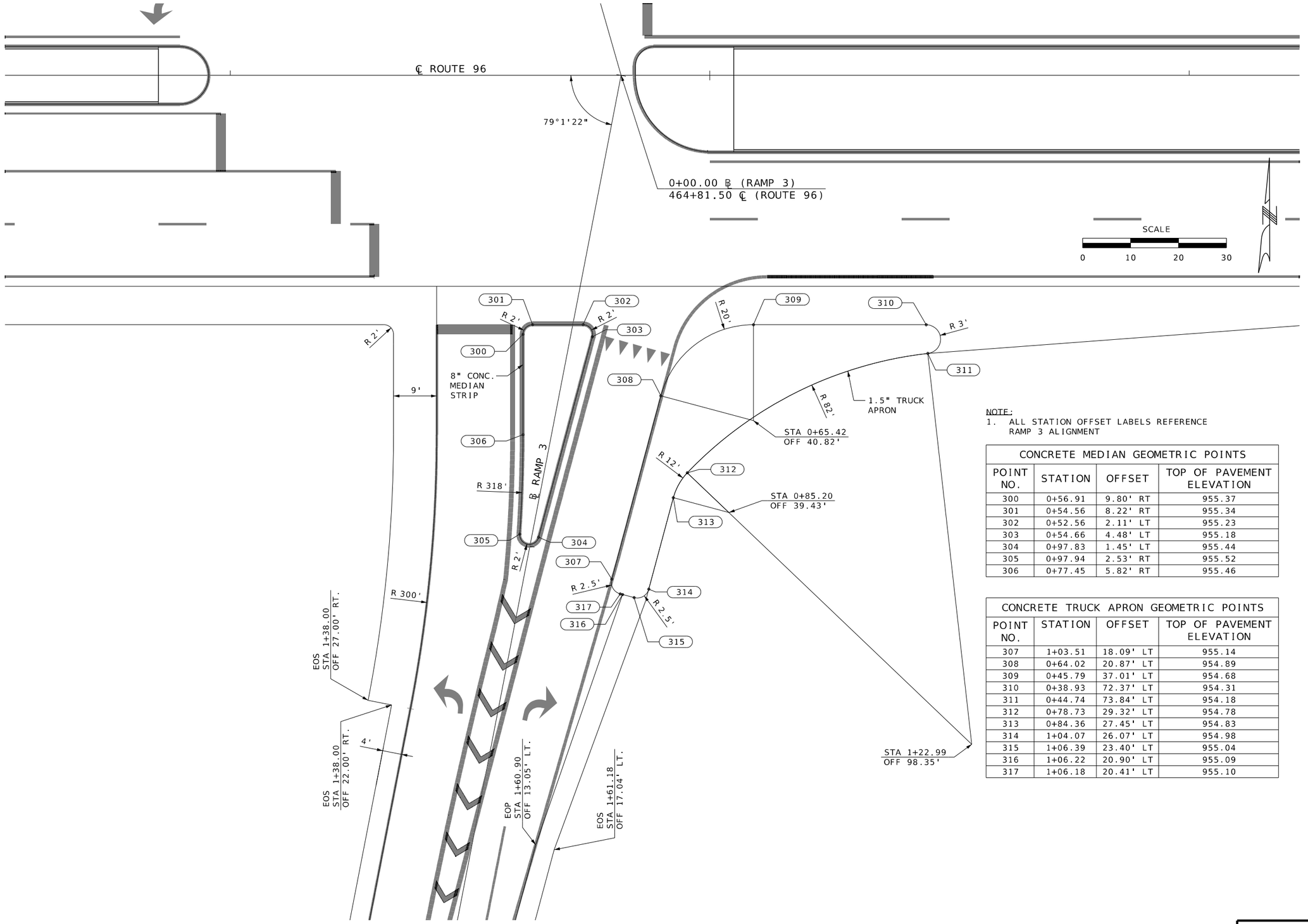
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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
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SPECIAL SHEET
2 OF 15

...\099_SS_JSR0060_i10_I49_RAMP2.dgn 11:10:42 AM 9/30/2026



NOTE:
1. ALL STATION OFFSET LABELS REFERENCE RAMP 3 ALIGNMENT

CONCRETE MEDIAN GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
300	0+56.91	9.80' RT	955.37
301	0+54.56	8.22' RT	955.34
302	0+52.56	2.11' LT	955.23
303	0+54.66	4.48' LT	955.18
304	0+97.83	1.45' LT	955.44
305	0+97.94	2.53' RT	955.52
306	0+77.45	5.82' RT	955.46

CONCRETE TRUCK APRON GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
307	1+03.51	18.09' LT	955.14
308	0+64.02	20.87' LT	954.89
309	0+45.79	37.01' LT	954.68
310	0+38.93	72.37' LT	954.31
311	0+44.74	73.84' LT	954.18
312	0+78.73	29.32' LT	954.78
313	0+84.36	27.45' LT	954.83
314	1+04.07	26.07' LT	954.98
315	1+06.39	23.40' LT	955.04
316	1+06.22	20.90' LT	955.09
317	1+06.18	20.41' LT	955.10

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	100

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION

DATE

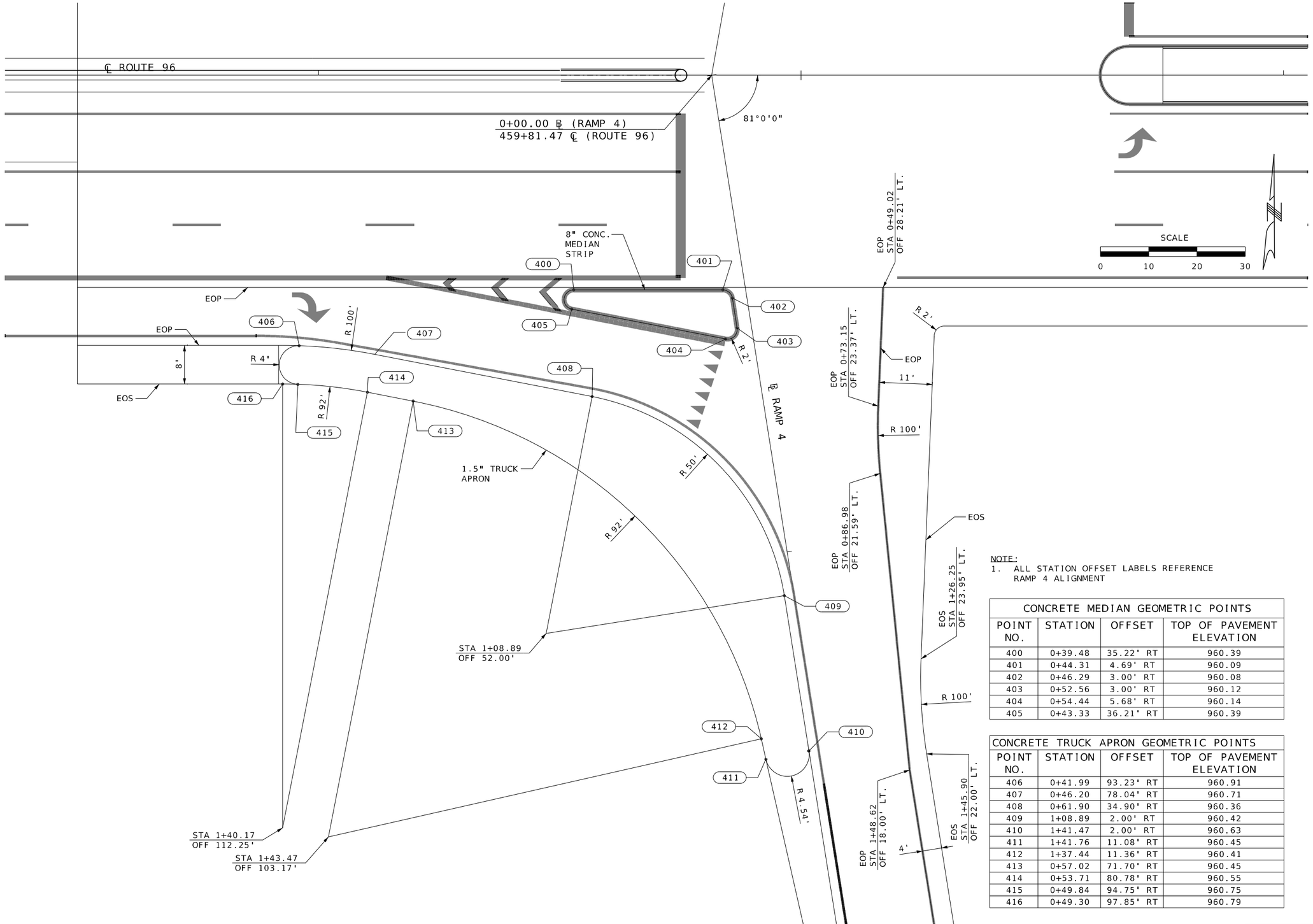
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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
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SPECIAL SHEET
3 OF 15

...\100_SS_JSR0060_i10_I49_RAMP3.dgn 11:10:50 AM 9/30/2026



NOTE:
1. ALL STATION OFFSET LABELS REFERENCE RAMP 4 ALIGNMENT

CONCRETE MEDIAN GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
400	0+39.48	35.22' RT	960.39
401	0+44.31	4.69' RT	960.09
402	0+46.29	3.00' RT	960.08
403	0+52.56	3.00' RT	960.12
404	0+54.44	5.68' RT	960.14
405	0+43.33	36.21' RT	960.39

CONCRETE TRUCK APRON GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	TOP OF PAVEMENT ELEVATION
406	0+41.99	93.23' RT	960.91
407	0+46.20	78.04' RT	960.71
408	0+61.90	34.90' RT	960.36
409	1+08.89	2.00' RT	960.42
410	1+41.47	2.00' RT	960.63
411	1+41.76	11.08' RT	960.45
412	1+37.44	11.36' RT	960.41
413	0+57.02	71.70' RT	960.45
414	0+53.71	80.78' RT	960.55
415	0+49.84	94.75' RT	960.75
416	0+49.30	97.85' RT	960.79

SPECIAL SHEET 4 OF 15

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

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	101

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

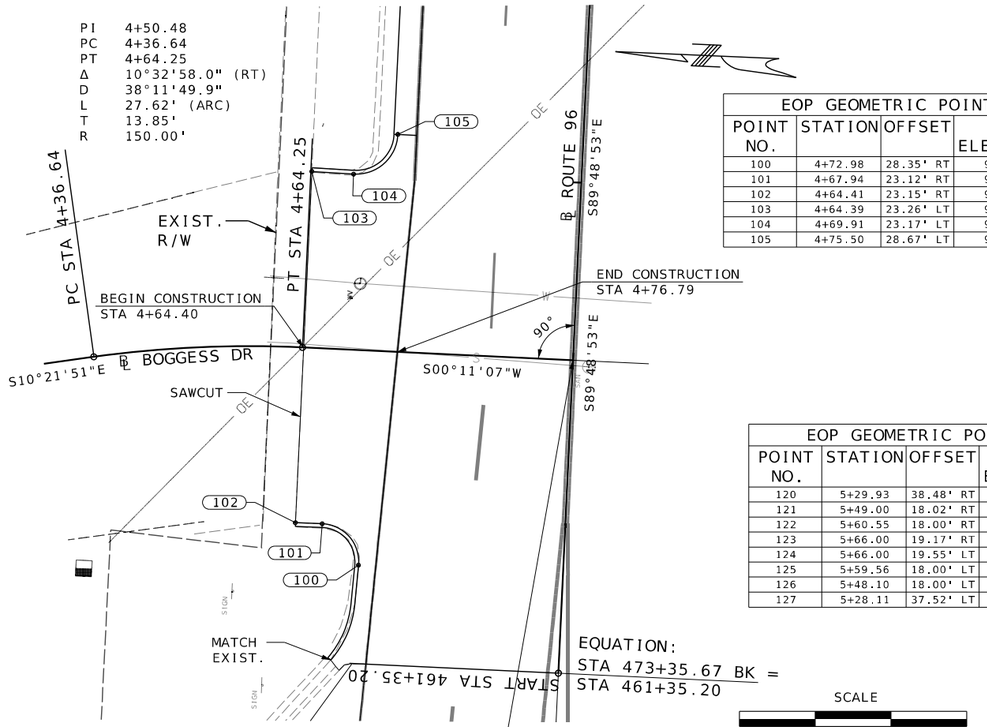
DESCRIPTION | DATE

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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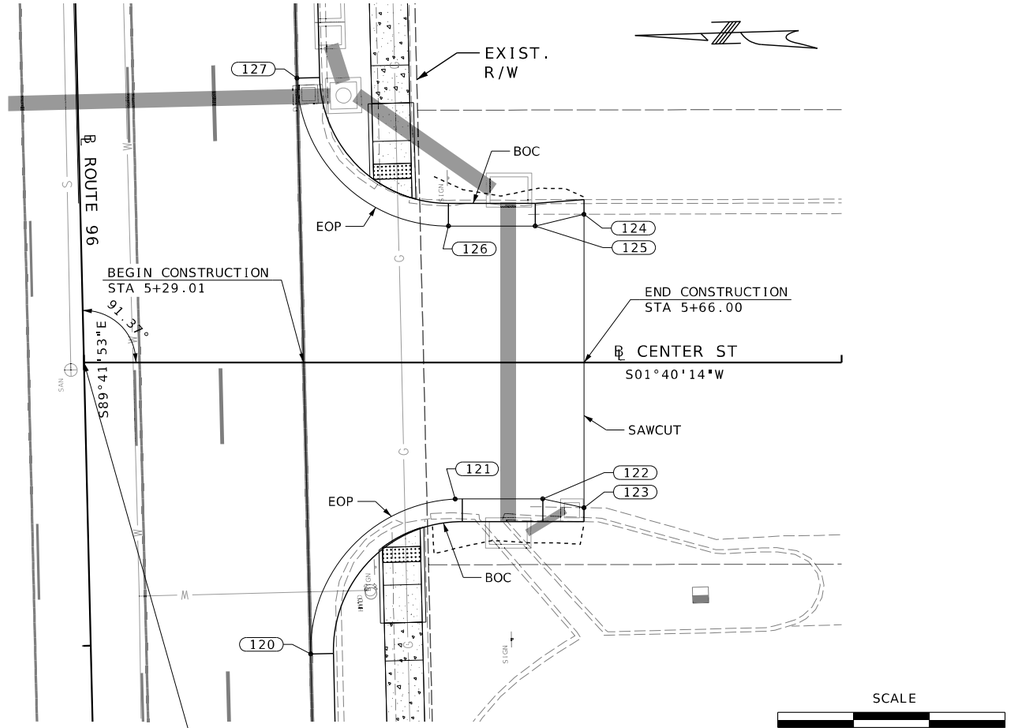
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PC 4+36.64
PT 4+64.25
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D 38°11'49.9"
L 27.62' (ARC)
T 13.85'
R 150.00'



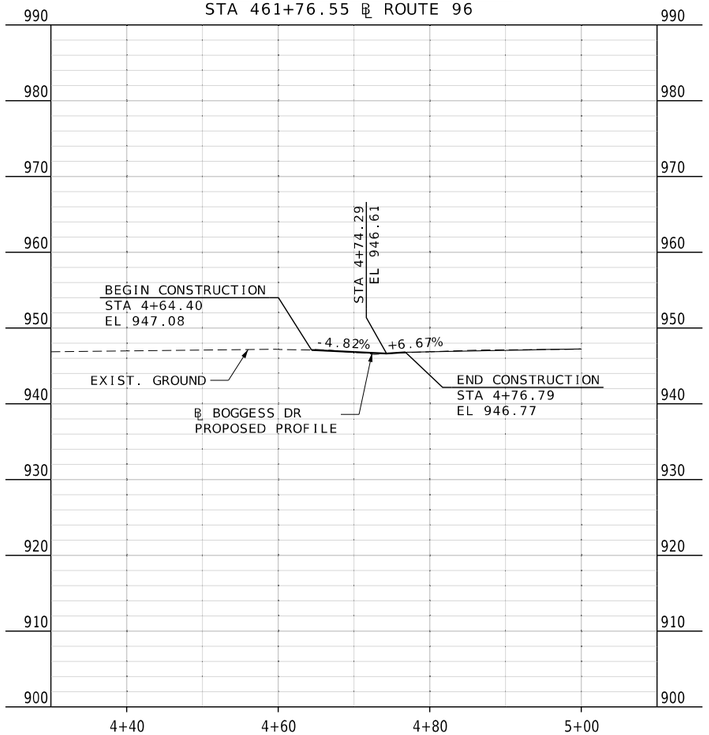
EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
100	4+72.98	28.35' RT	946.54'
101	4+67.94	23.12' RT	946.77'
102	4+64.41	23.15' RT	946.91'
103	4+64.39	23.26' LT	947.25'
104	4+69.91	23.17' LT	947.00'
105	4+75.50	28.67' LT	946.78'

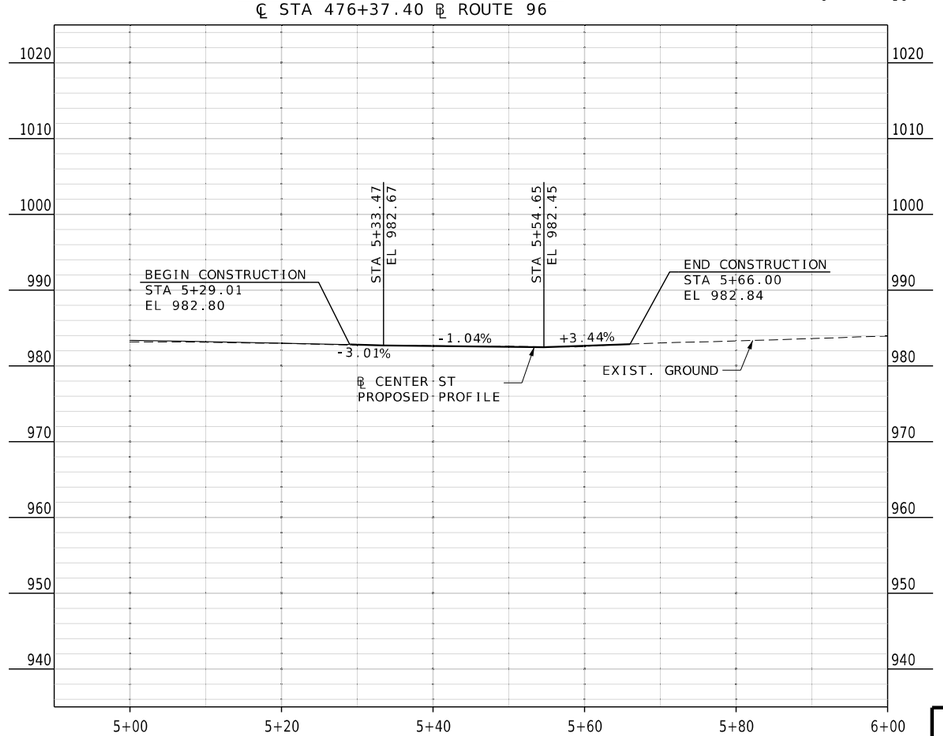
EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
120	5+29.93	38.48' RT	982.47'
121	5+49.00	18.02' RT	982.38'
122	5+60.55	18.00' RT	982.53'
123	5+66.00	19.17' RT	982.71'
124	5+66.00	19.55' LT	982.98'
125	5+59.56	18.00' LT	982.75'
126	5+48.10	18.00' LT	982.64'
127	5+28.11	37.52' LT	983.09'

SCALE
0 10 20 30



SCALE
0 10 20 30





SPECIAL SHEET
5 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	102

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

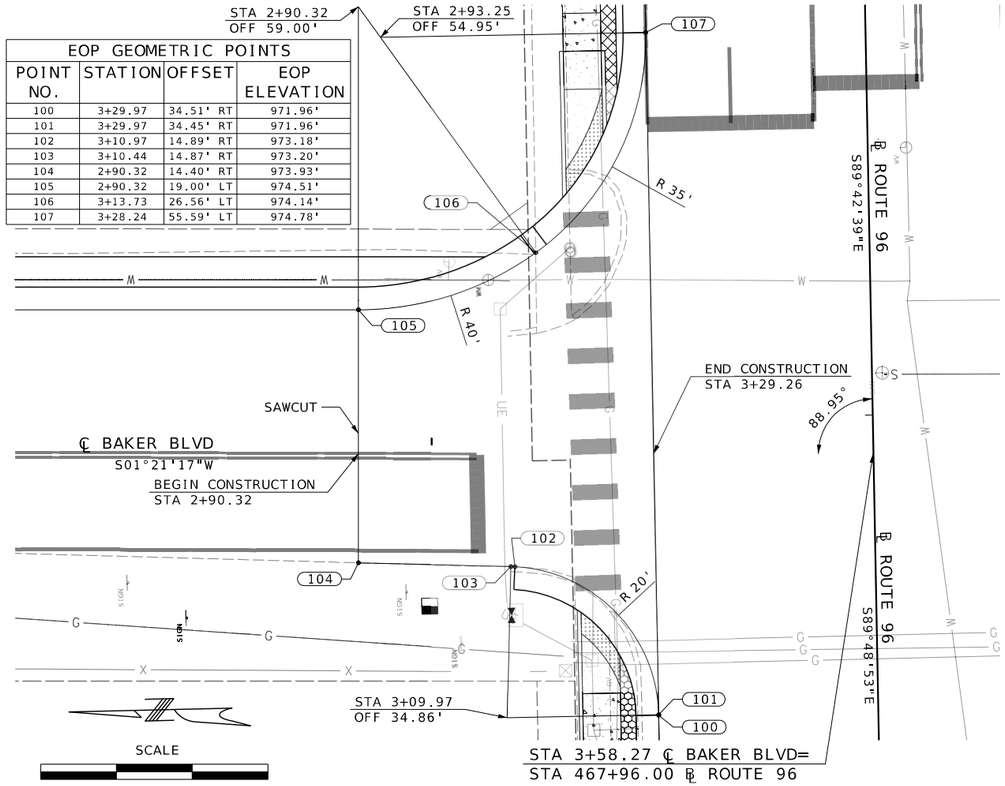
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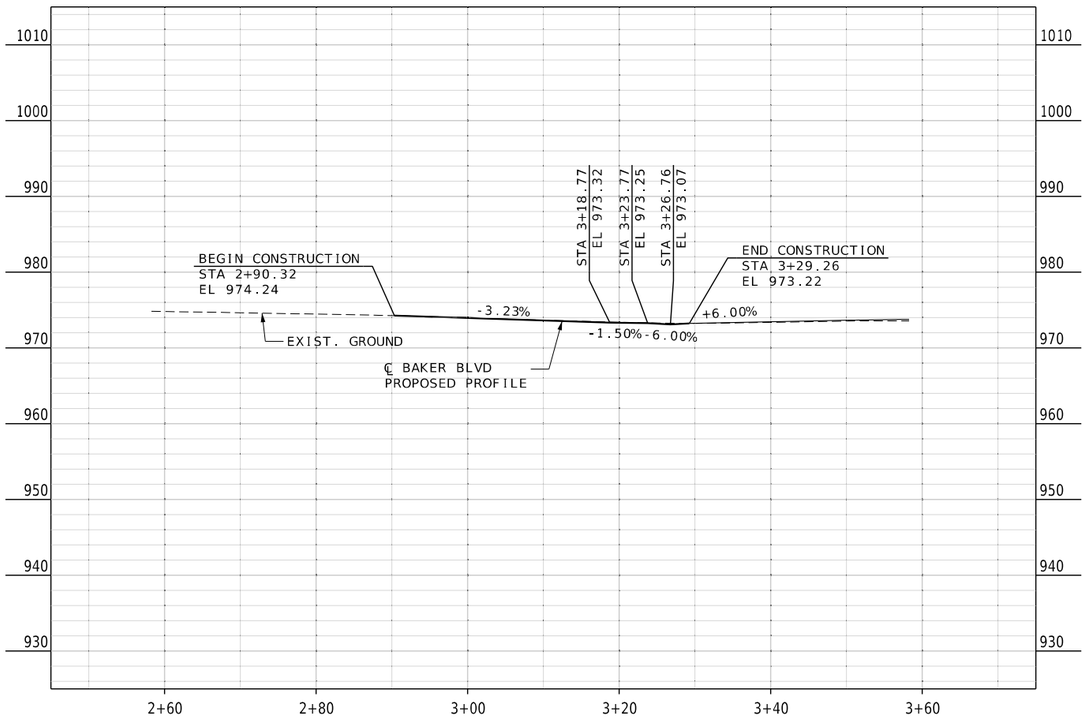
DATE	DESCRIPTION

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

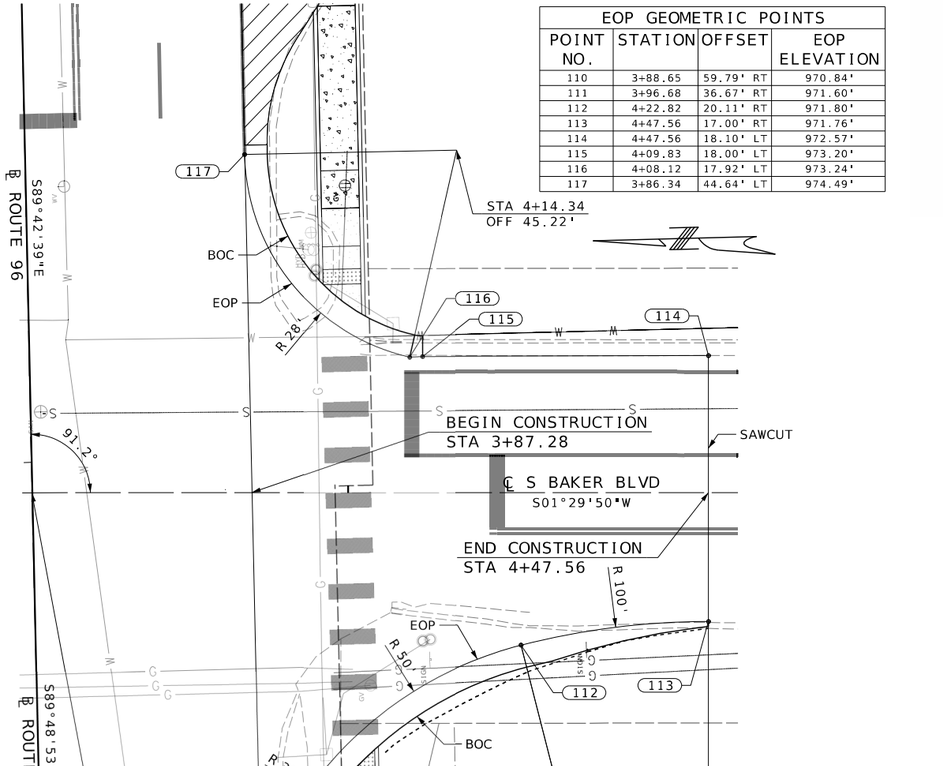
2215 Fairlawn Dr
Carthage, MO 64836
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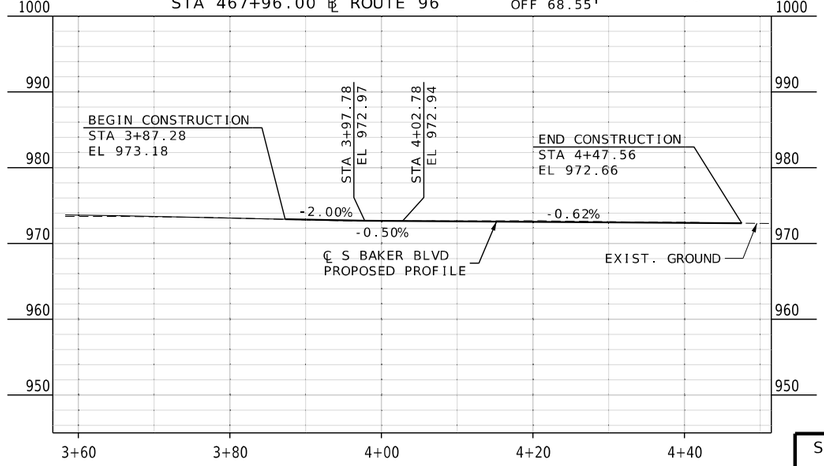
EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
100	3+29.97	34.51' RT	971.96'
101	3+29.97	34.45' RT	971.96'
102	3+10.97	14.89' RT	973.18'
103	3+10.44	14.87' RT	973.20'
104	2+90.32	14.40' RT	973.93'
105	2+90.32	19.00' LT	974.51'
106	3+13.73	26.56' LT	974.14'
107	3+28.24	55.59' LT	974.78'





EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
110	3+88.65	59.79' RT	970.84'
111	3+96.68	36.67' RT	971.60'
112	4+22.82	20.11' RT	971.80'
113	4+47.56	17.00' RT	971.76'
114	4+47.56	18.10' LT	972.57'
115	4+09.83	18.00' LT	973.20'
116	4+08.12	17.92' LT	973.24'
117	3+86.34	44.64' LT	974.49'





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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	103

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

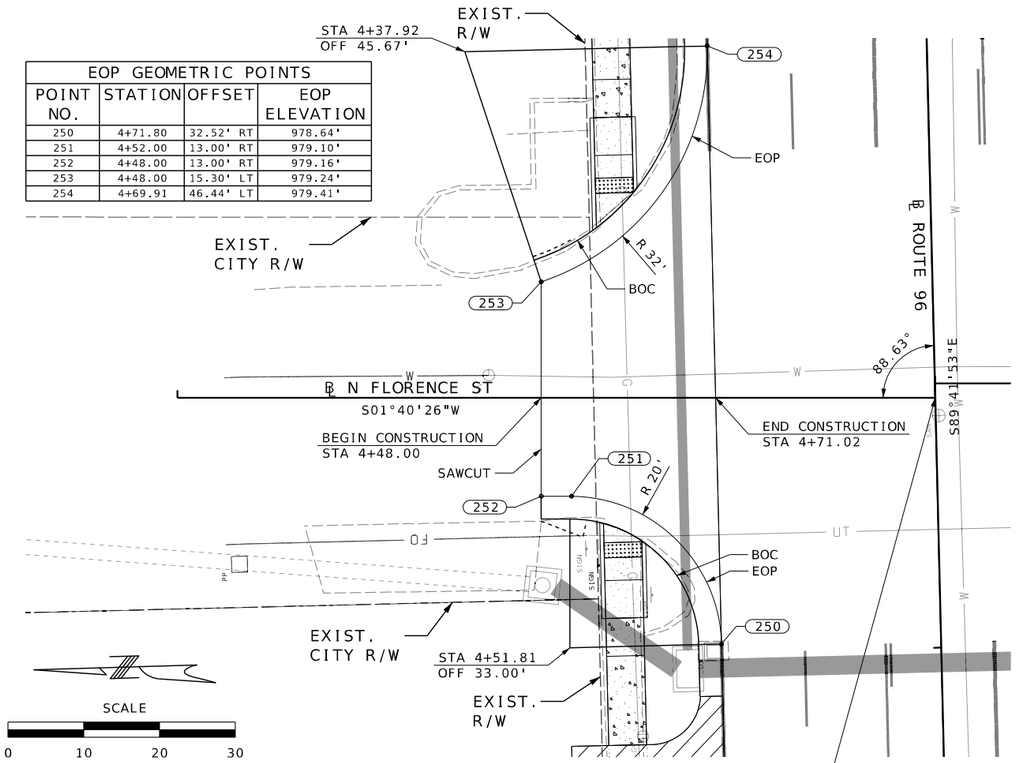
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

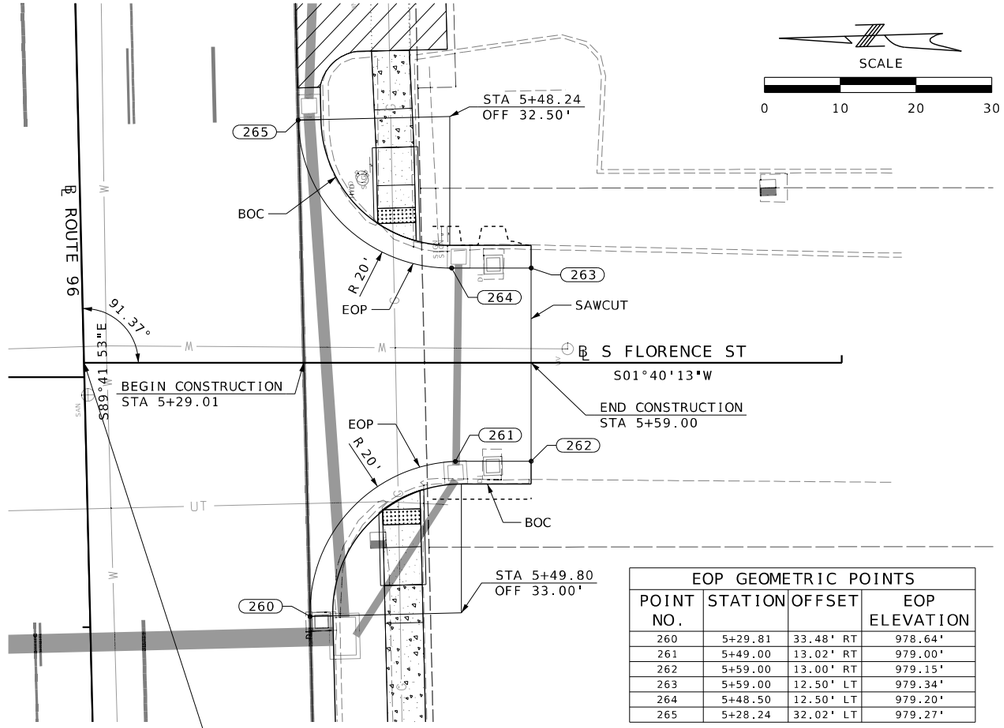
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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SPECIAL SHEET
6 OF 15

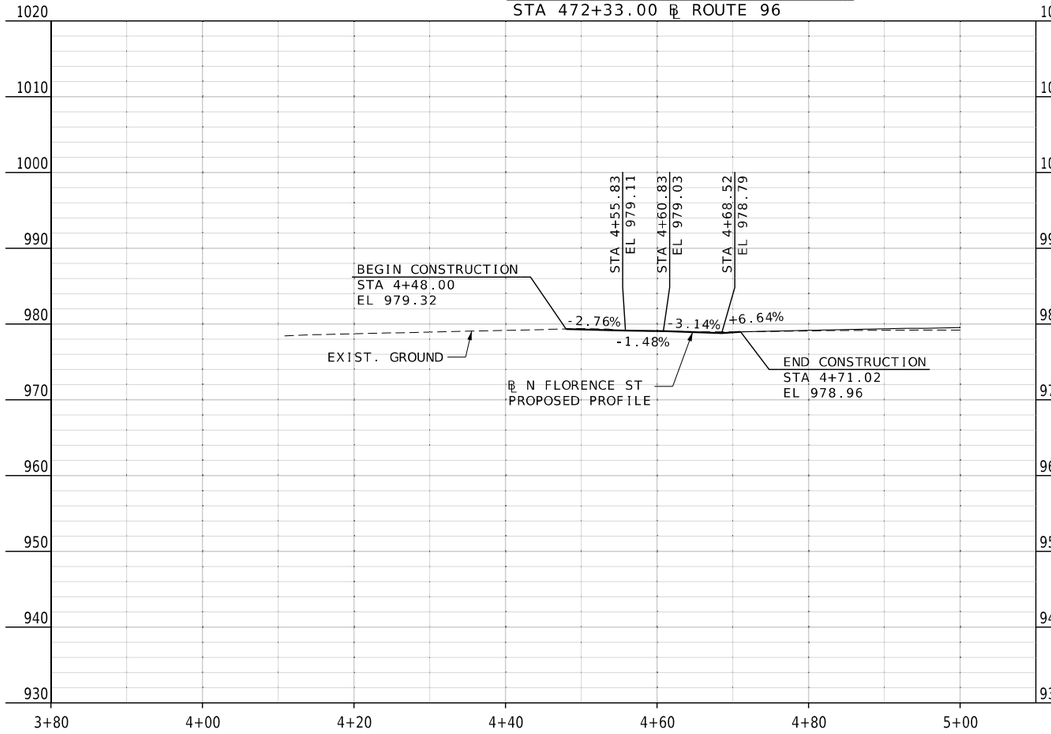
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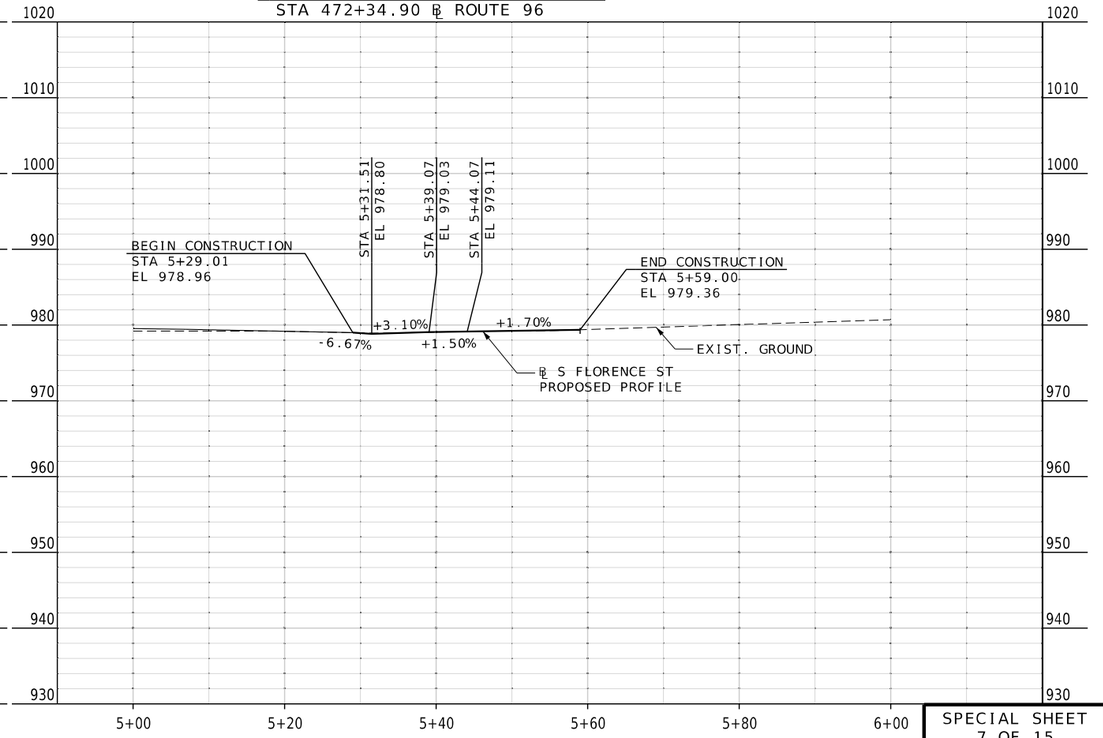
EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
250	4+71.80	32.52' RT	978.64'
251	4+52.00	13.00' RT	979.10'
252	4+48.00	13.00' RT	979.16'
253	4+48.00	15.30' LT	979.24'
254	4+69.91	46.44' LT	979.41'





EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
260	5+29.81	33.48' RT	978.64'
261	5+49.00	13.02' RT	979.00'
262	5+59.00	13.00' RT	979.15'
263	5+59.00	12.50' LT	979.34'
264	5+48.50	12.50' LT	979.20'
265	5+28.24	32.02' LT	979.27'





SPECIAL SHEET
7 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	104

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

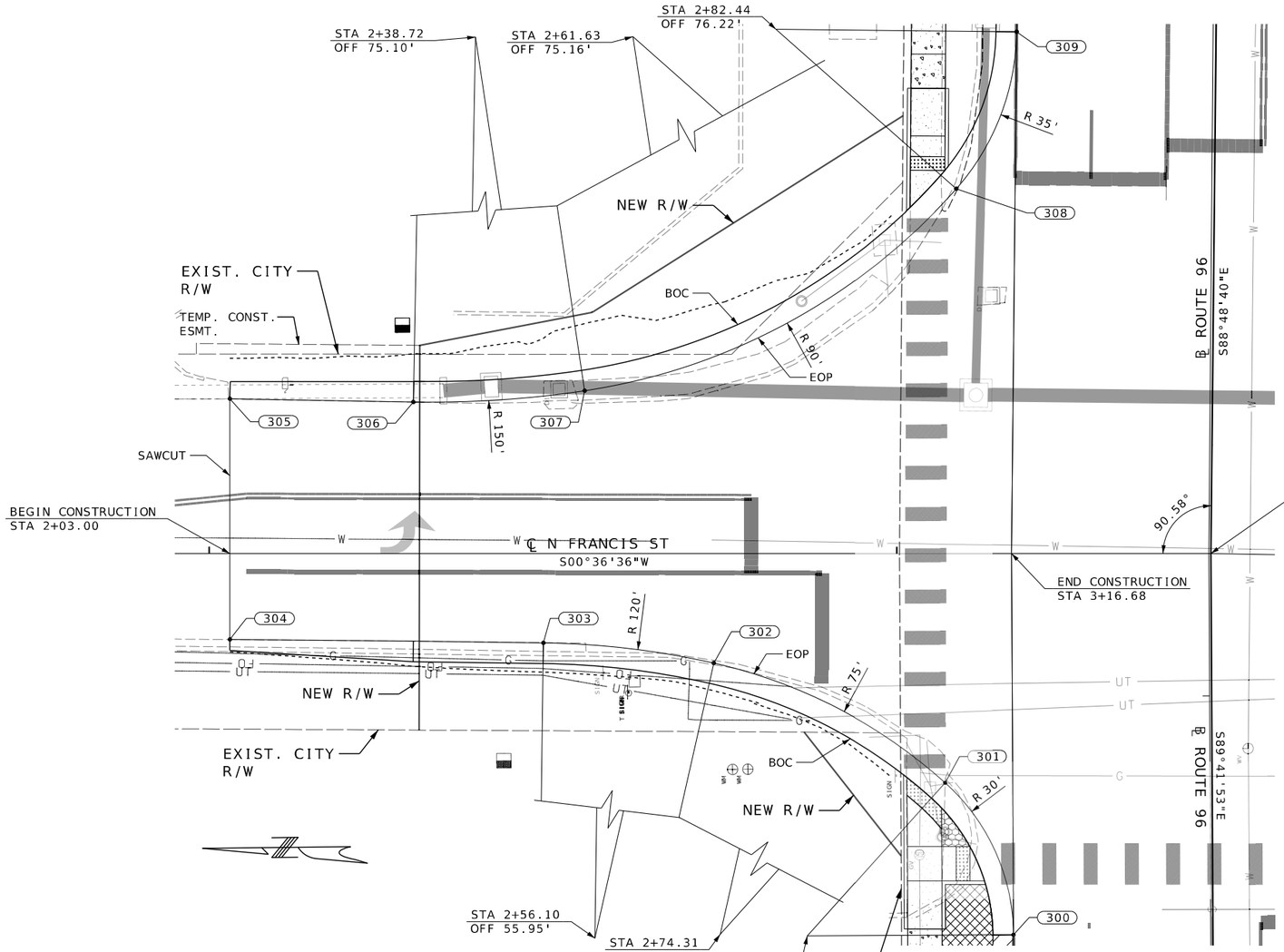
PROJECT NO.
-

BRIDGE NO.
-

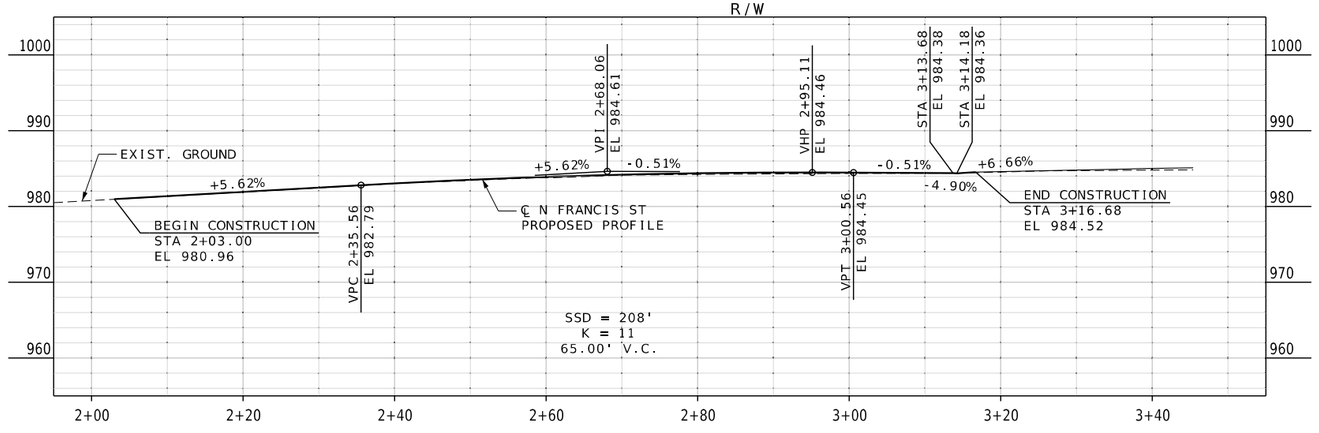
DESCRIPTION	DATE

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.



EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
300	3+16.97	55.46' RT	984.42'
301	3+07.03	33.31' RT	984.35'
302	2+73.39	15.93' RT	984.08'
303	2+48.61	13.00' RT	983.20'
304	2+03.00	12.50' RT	980.71'
305	2+03.00	22.50' LT	980.51'
306	2+29.69	22.03' LT	982.02'
307	2+54.61	23.67' LT	983.29'
308	3+08.65	53.03' LT	984.51'
309	3+17.44	75.87' LT	984.67'



SCALE
0 10 20 30

SPECIAL SHEET
8 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	105

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

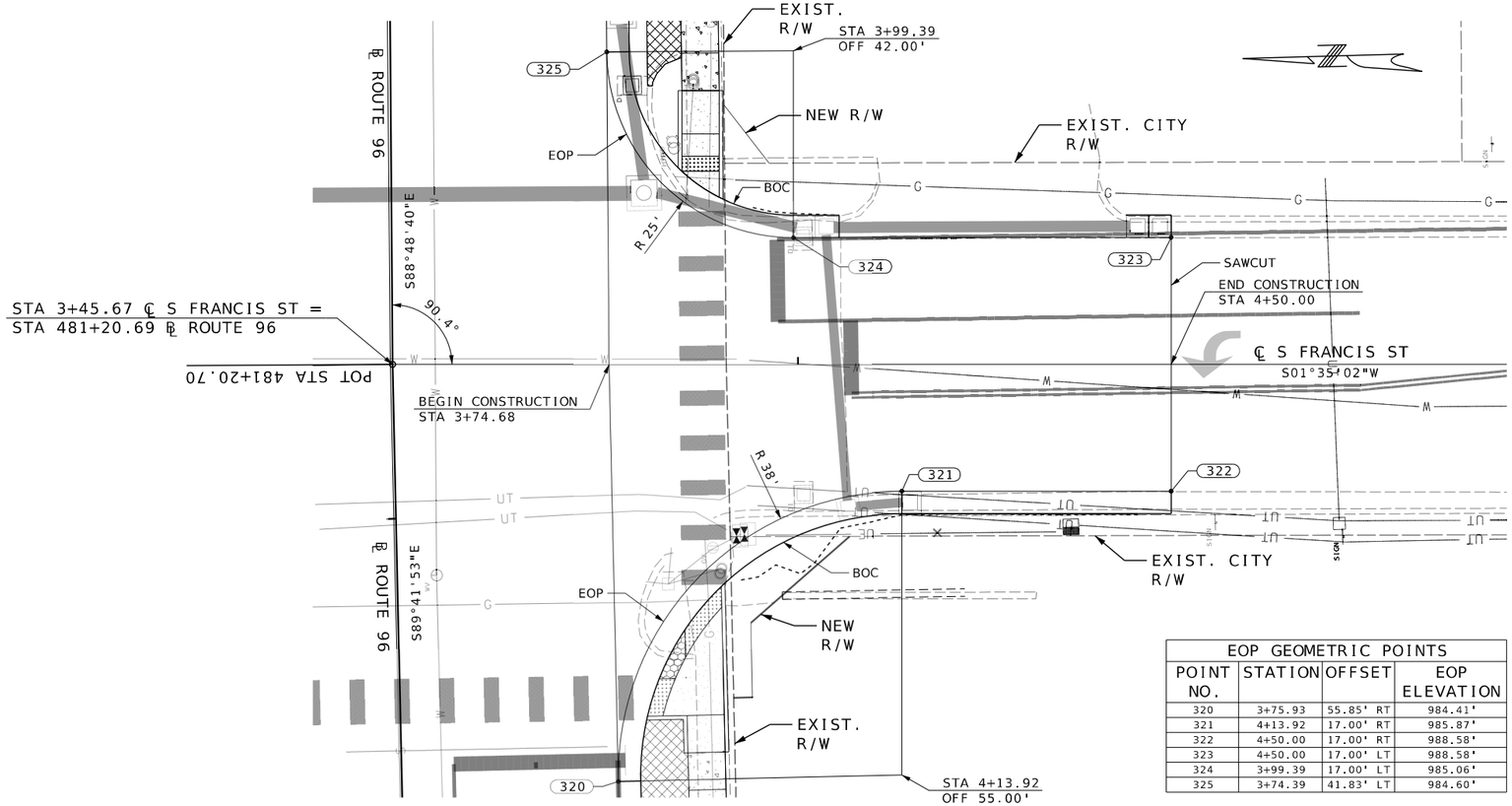
BRIDGE NO.
-

DESCRIPTION | DATE

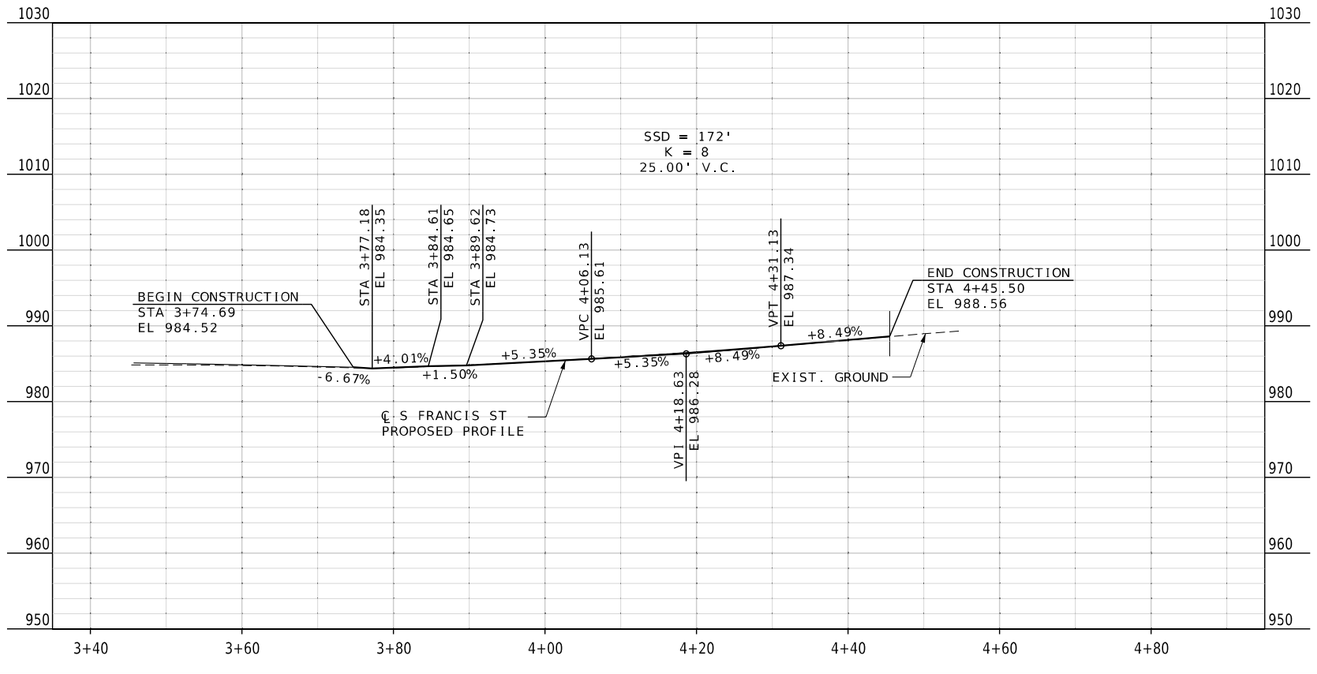
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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.



EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
320	3+75.93	55.85' RT	984.41'
321	4+13.92	17.00' RT	985.87'
322	4+50.00	17.00' RT	988.58'
323	4+50.00	17.00' LT	988.58'
324	3+99.39	17.00' LT	985.06'
325	3+74.39	41.83' LT	984.60'



SCALE
0 10 20 30

SPECIAL SHEET
9 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

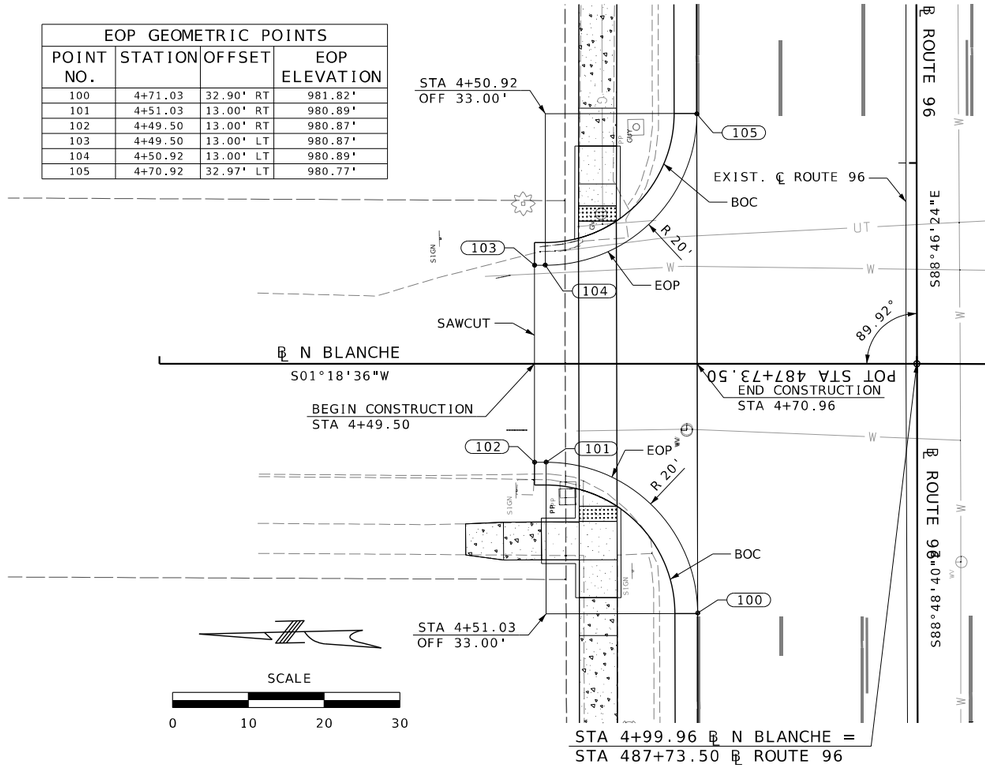
DATE	DESCRIPTION

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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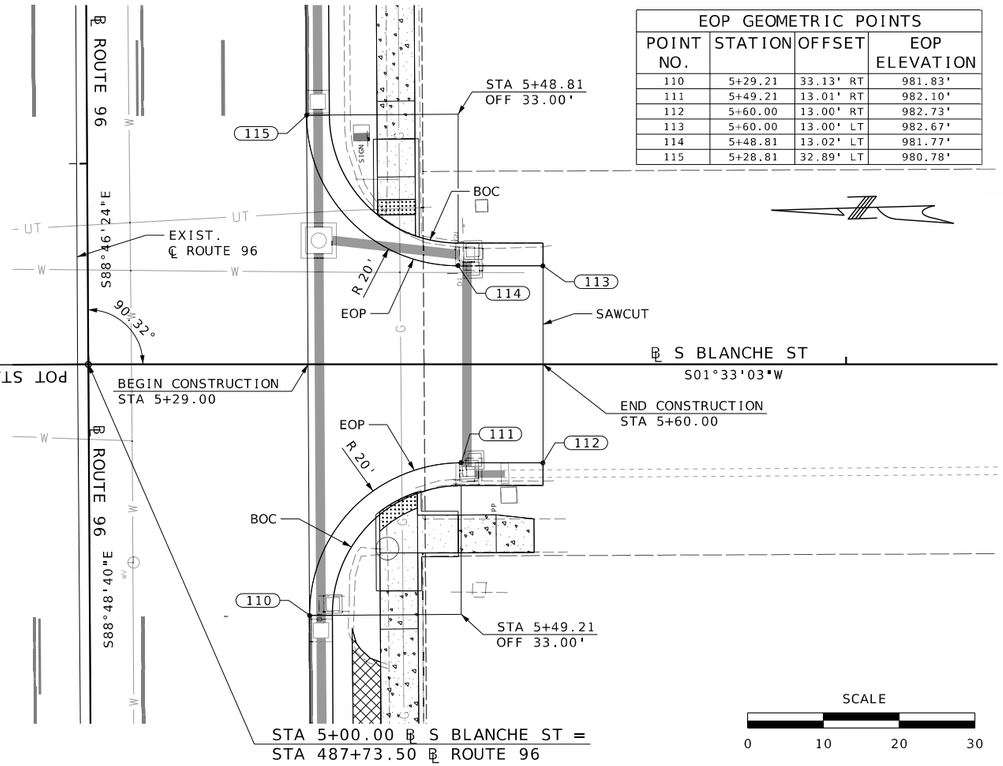
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EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
100	4+71.03	32.90' RT	981.82'
101	4+51.03	13.00' RT	980.89'
102	4+49.50	13.00' RT	980.87'
103	4+49.50	13.00' LT	980.87'
104	4+50.92	13.00' LT	980.89'
105	4+70.92	32.97' LT	980.77'

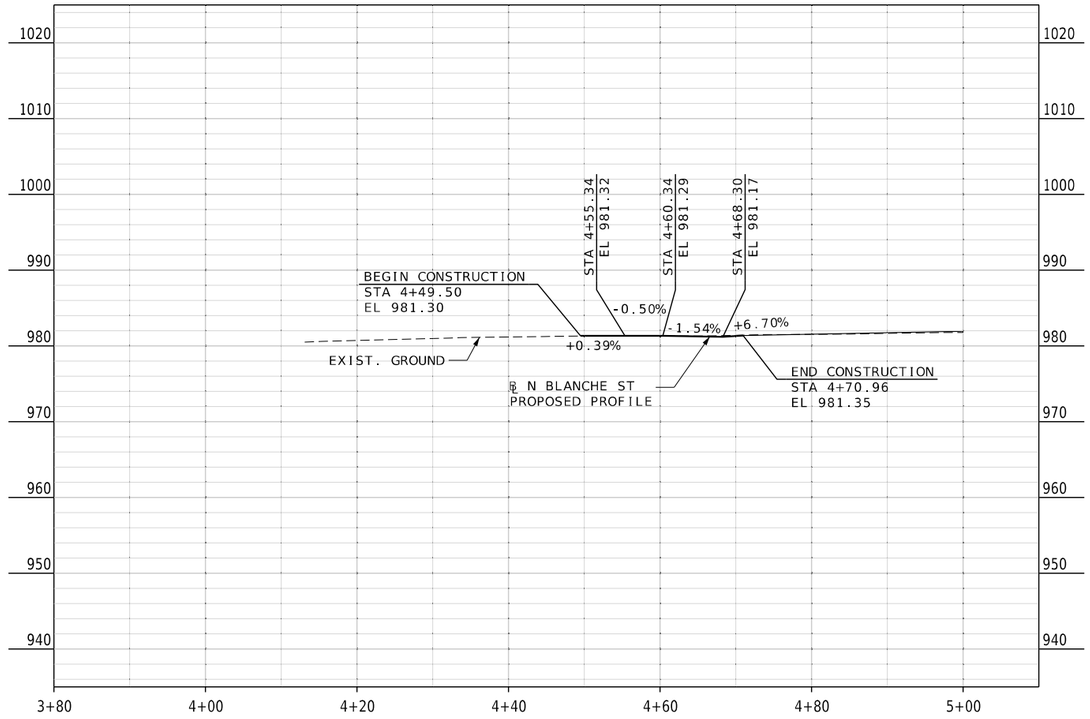


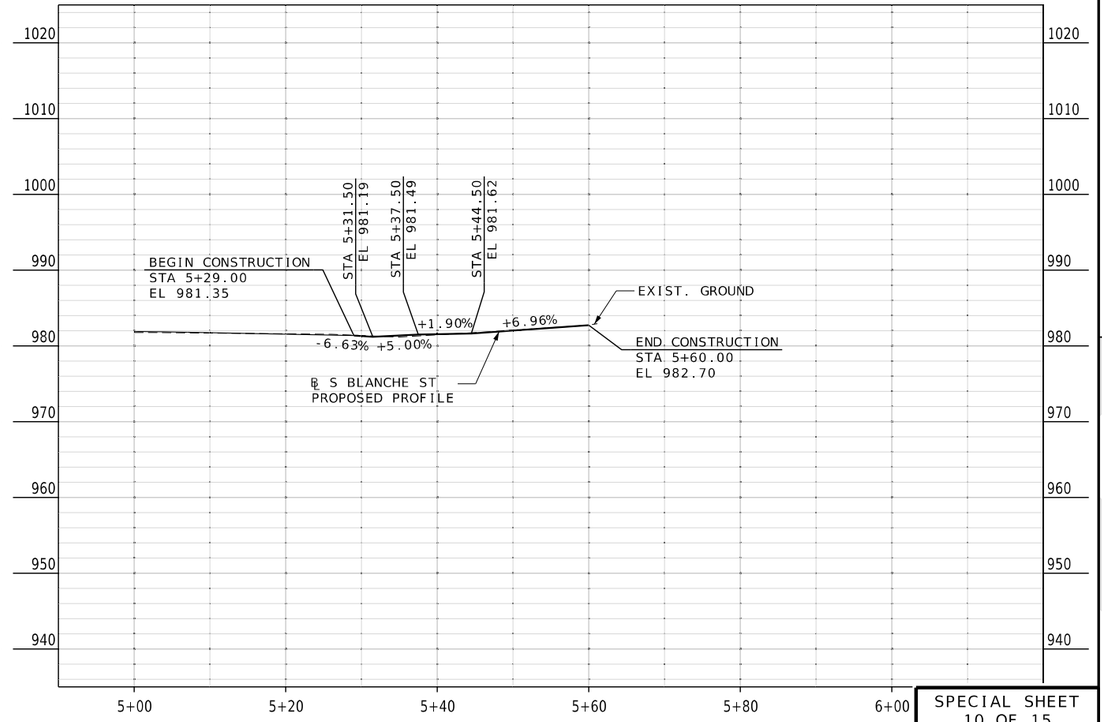
STA 4+99.96 ℄ N BLANCHE =
STA 487+73.50 ℄ ROUTE 96

EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
110	5+29.21	33.13' RT	981.83'
111	5+49.21	13.01' RT	982.10'
112	5+60.00	13.00' RT	982.73'
113	5+60.00	13.00' LT	982.67'
114	5+48.81	13.02' LT	981.77'
115	5+28.81	32.89' LT	980.78'



STA 5+00.00 ℄ S BLANCHE ST =
STA 487+73.50 ℄ ROUTE 96





SPECIAL SHEET
10 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	107

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

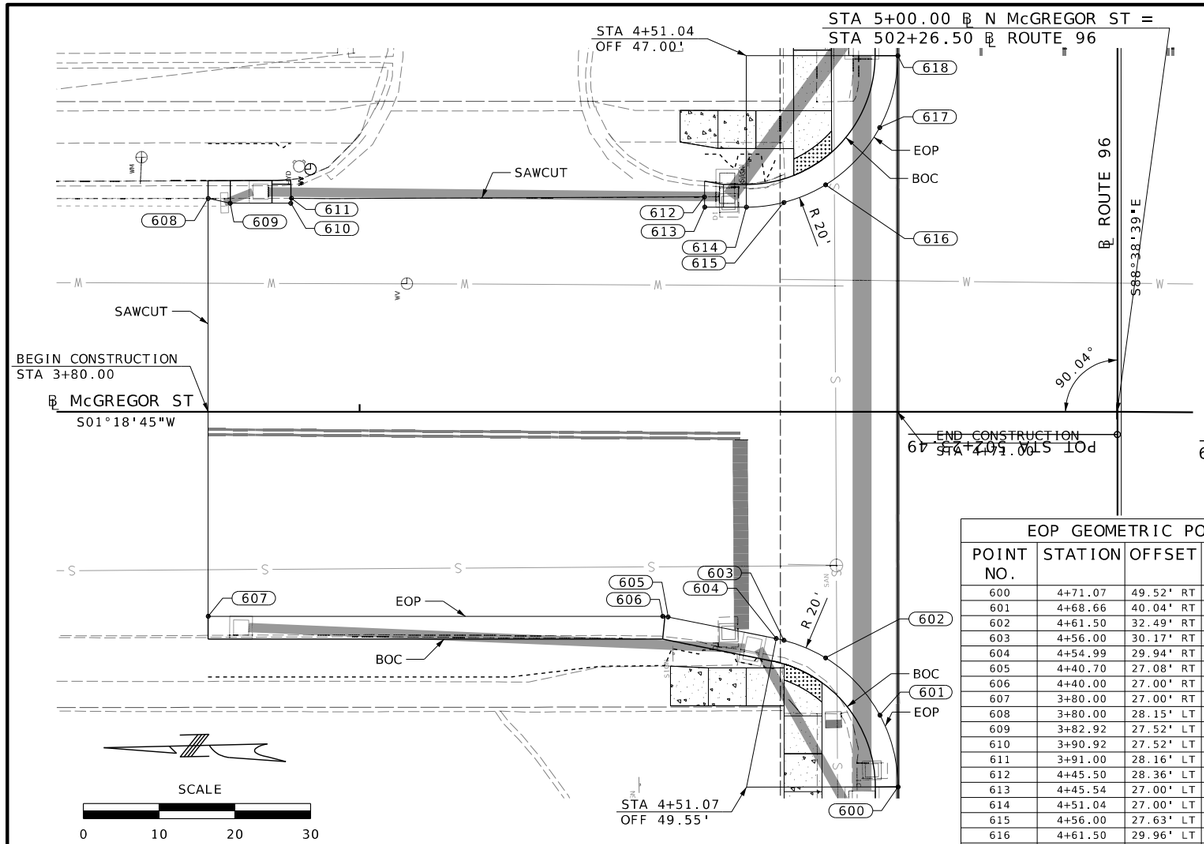
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

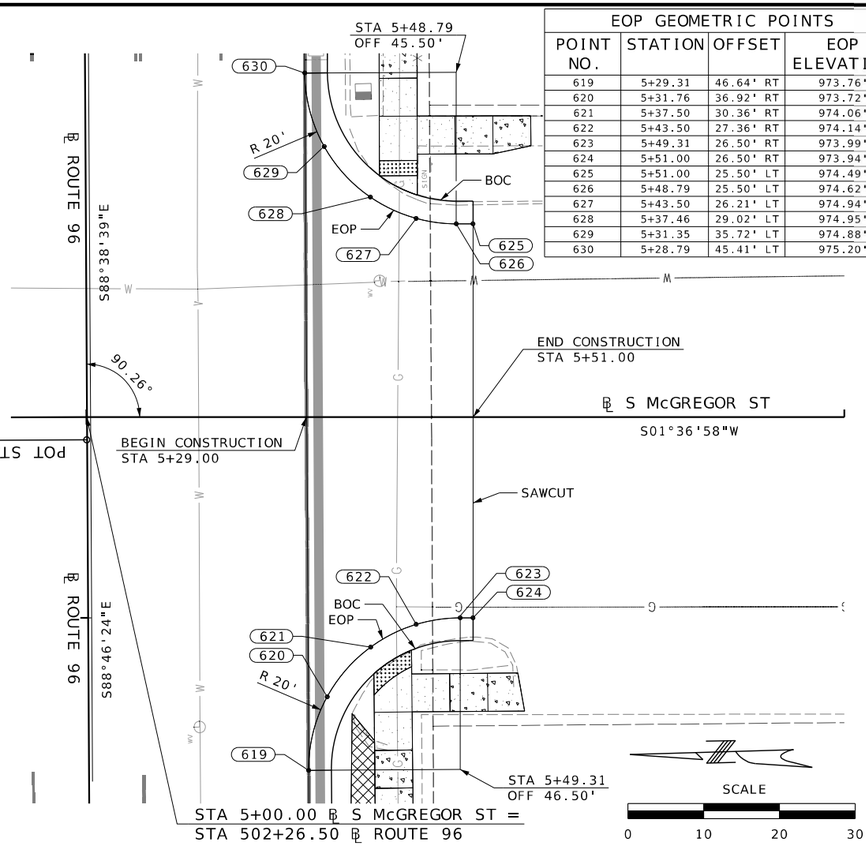
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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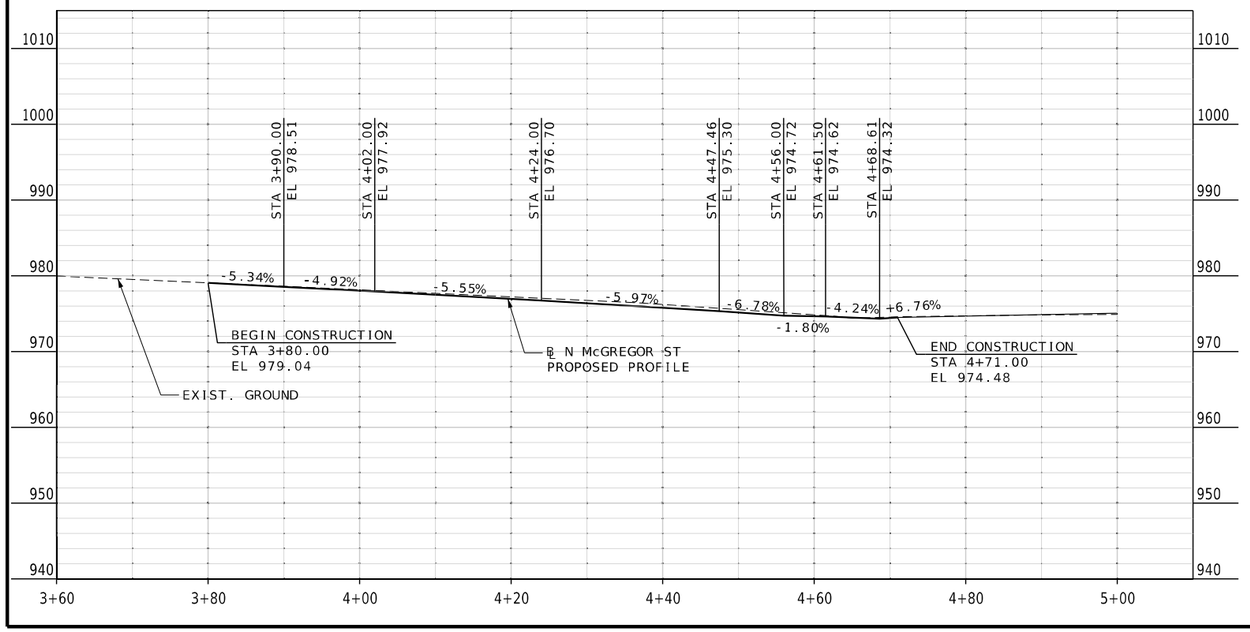
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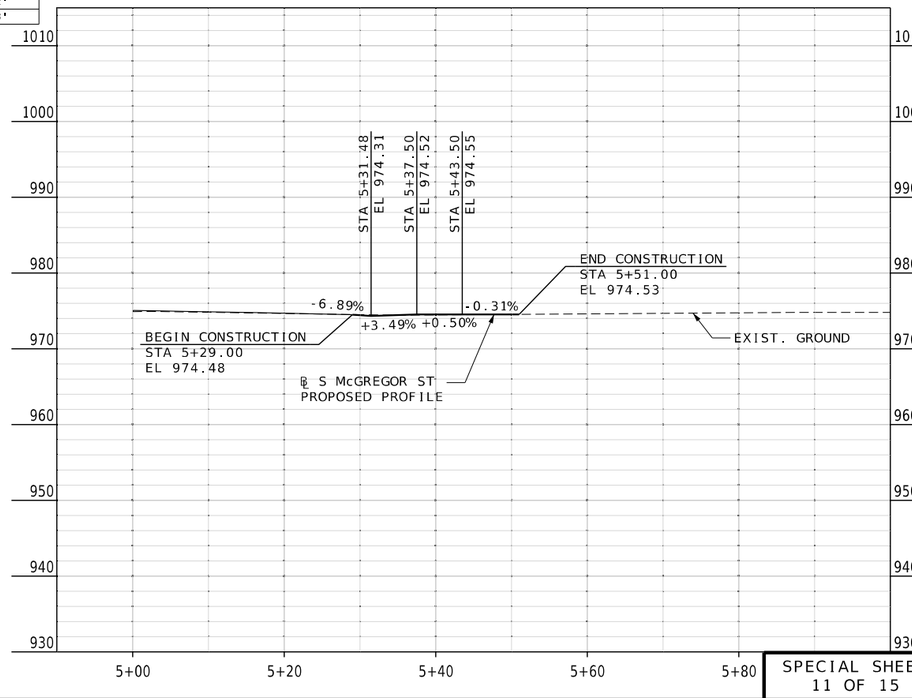


EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
600	4+71.07	49.52' RT	973.69'
601	4+68.66	40.04' RT	973.69'
602	4+61.50	32.49' RT	974.10'
603	4+56.00	30.17' RT	974.24'
604	4+54.99	29.94' RT	974.31'
605	4+40.70	27.08' RT	975.18'
606	4+40.00	27.00' RT	975.22'
607	3+80.00	27.00' RT	978.13'
608	3+80.00	28.15' LT	978.48'
609	3+82.92	27.52' LT	978.37'
610	3+90.92	27.52' LT	978.07'
611	3+91.00	28.16' LT	978.05'
612	4+45.50	28.36' LT	975.69'
613	4+45.54	27.00' LT	975.72'
614	4+51.04	27.00' LT	975.43'
615	4+56.00	27.63' LT	975.16'
616	4+61.50	29.96' LT	975.10'
617	4+68.64	37.51' LT	974.92'
618	4+71.04	46.98' LT	975.23'



EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
619	5+29.31	46.64' RT	973.76'
620	5+31.76	36.92' RT	973.72'
621	5+37.50	30.36' RT	974.06'
622	5+43.50	27.36' RT	974.14'
623	5+49.31	26.50' RT	973.99'
624	5+51.00	26.50' RT	973.94'
625	5+51.00	25.50' LT	974.49'
626	5+48.79	25.50' LT	974.62'
627	5+43.50	26.21' LT	974.94'
628	5+37.46	29.02' LT	974.95'
629	5+31.35	35.72' LT	974.88'
630	5+28.79	45.41' LT	975.20'





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

DATE PREPARED: 9/30/2026
ROUTE: 96 | STATE: MO
DISTRICT: SW | SHEET NO.: 108
COUNTY: JASPER
JOB NO.: JSR0060
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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SPECIAL SHEET
11 OF 15

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EOP GEOMETRIC POINTS			
POINT NO.	STATION	OFFSET	EOP ELEVATION
400	1731+94.52	46.32' RT	985.47'
401	1731+80.85	27.32' RT	986.06'
402	1731+68.33	24.85' RT	986.32'
403	1731+52.00	23.76' RT	986.63'
404	1731+36.84	23.86' RT	986.92'
405	1731+27.88	23.91' RT	987.09'
406	1731+23.00	23.95' RT	987.18'
407	1731+23.00	20.00' RT	987.26'
408	1731+67.00	20.00' RT	986.47'
409	1731+67.00	22.91' LT	987.02'
410	1731+77.03	22.85' LT	986.96'
411	1731+93.12	38.71' LT	987.04'
412	1731+95.12	38.69' LT	987.05'
413	1732+52.48	63.29' RT	984.95'
414	1732+62.35	41.10' RT	985.65'
415	1733+07.93	23.01' RT	985.54'
416	1733+07.99	22.49' LT	985.66'
417	1732+88.19	22.98' LT	985.92'
418	1732+81.65	21.80' LT	986.16'
419	1732+80.67	21.83' LT	986.18'
420	1732+65.52	26.77' LT	986.52'
421	1732+63.02	28.50' LT	986.63'
422	1732+52.67	40.92' LT	987.05'

℄ ROUTE 96
S88°42'11"E

EXIST. R/W

NEW R/W

STA 1731+77.12
OFF 38.85'

R 16'

SAWCUT

BEGIN CONSTRUCTION NORTH
STA 1731+67.00

℄ GARRISON AVE
S01°15'20"W

END CONSTRUCTION NORTH
STA 1731+94.60

89.95°

SAWCUT

R 50'

R 20'

EXIST. R/W

NEW R/W

STA 1731+74.52
OFF 46.29'

STA 1731+65.01
OFF 74.74'

EXIST. R/W

TEMP. CONST. ESMT.

STA 1732+25.60 ℄ GARRISON AVE =
STA 507+25.30 ℄ ROUTE 96

SCALE
0 10 20 30

℄ ROUTE 96
S88°42'11"E

EXIST. R/W

STA 1732+80.05
OFF 53.19'

STA 1732+81.42
OFF 49.82'

NEW R/W

R 30'

R 28'

SAWCUT

℄ GARRISON AVE
S01°15'20"W

BEGIN CONSTRUCTION SOUTH
STA 1732+52.60

END CONSTRUCTION SOUTH
STA 1733+08.00

R 70'

EXIST. R/W

NEW R/W

STA 1732+82.48
OFF 63.34'

EXIST. R/W

TEMP. CONST. ESMT.

STA 1733+09.32
OFF 93.00'

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

DATE PREPARED
9/30/2026

ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 109
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. -

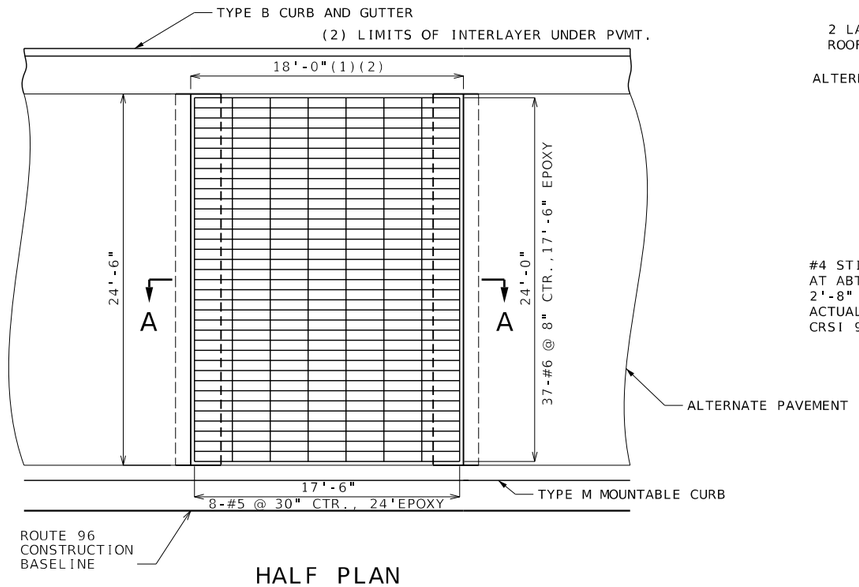
DESCRIPTION | DATE

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

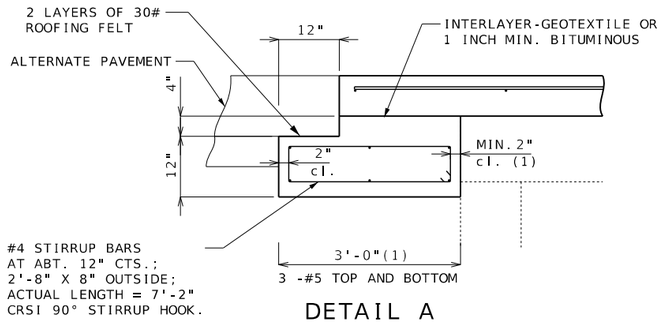
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SPECIAL SHEET
12 OF 15

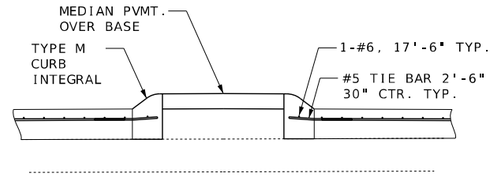
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HALF PLAN
PVMT. REINFORCEMENT

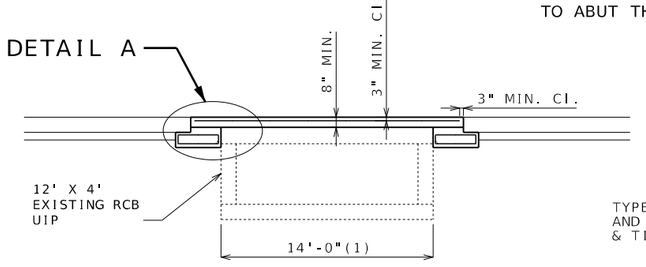


DETAIL A

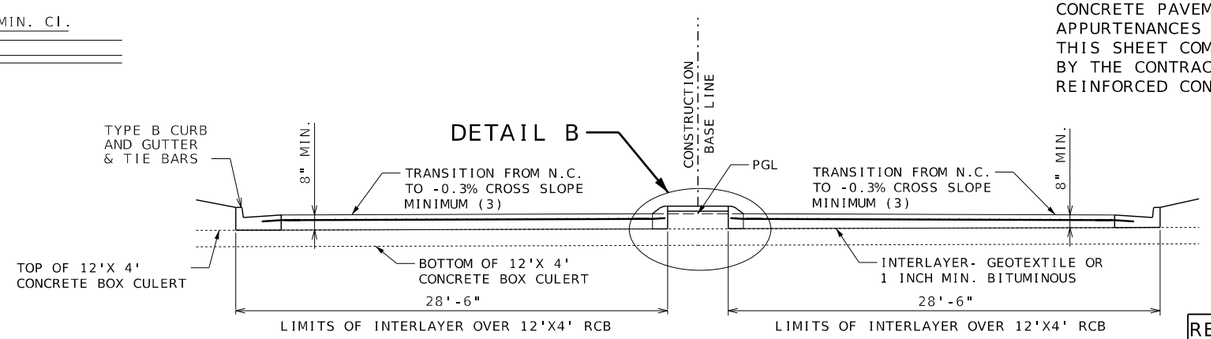


DETAIL B

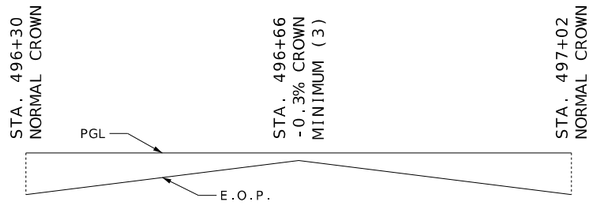
(1) REINFORCED CONCRETE BOX EXTERIOR DIMENSIONS UNKNOWN. MAINTAIN 18'-0" REINFORCED CONCRETE SLAB DIMENSIONS AND INCREASE THE WIDTH OF THE SLEEPER TO ABUT THE OUTSIDE WALL OF THE RCB.



SECTION A-A



TYPICAL SECTION
ROUTE 96
STA. 496+63.50 TO 496+81.50



CROWN TRANSITION
DIAGRAM

(3) FIELD REVIEW OF EXISTING REINFORCED CONCRETE BOX CULVERT ELEVATIONS SHALL BE USED TO ADJUST CROWN POINT AT STA 496+66 BASED UPON 8 INCH MINIMUM PAVEMENT DEPTH PLUS INTERLAYER DEPTH.

EPOXY COATED REINFORING STEEL						
NO. REQ.	SIZE	LOCATION	SHAPE	DIMENSION	LENGTH	WEIGHT LBS
74	#6	PAVEMENT LOGITUDINAL	STRAIGHT	17'-6"	17'-6"	1945
16	#5	PAVEMENT TRANSVERSE	STRAIGHT	24'-0"	24'-0"	292
2	#6	TYPE M CURB	STRAIGHT	17'-6"	17'-6"	53
24	#5	SLEEPER SLAB TRANSVERSE	STRAIGHT	24'-0"	24'-0"	438
100	#4	SLEEPER SLAB LONGITUDINAL	STIRRUP	2'-8"x8"	7'-2"	1169
32	#5	CURB TIE BARS	STRAIGHT	2'-6"	2'-6"	584

GENERAL NOTES:

ALL CONCRETE FOR PAVEMENT AND SLEEPER SHALL BE IN ACCORDANCE WITH SEC 502 (f'c=4,000 psi)

ALL REINFORCING STEEL IN PAVEMENT AND SLEEPER SLAB SHALL BE EPOXY COATED GRADE 60 WITH fy=60 ksi.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1½" UNLESS OTHERWISE SHOWN.

THE LONGITUDINAL REINFORCING STEEL IN THE REINFORCED PAVEMENT AND SLEEPER SLAB SHALL BE CONTINUOUS. THE TRANSVERSE REINFORCING STEEL IN THE REINFORCED PAVEMENT MAY BE SPLICED WITH A MINIMUM LAP OF 24 INCHES FOR #5 BARS, OR BY MECHANICAL BAR SPLICES IN ACCORDANCE WITH SEC 710.

THE REINFORCED CONCRETE PAVEMENT WITH TIED CURBS AND GUTTER SHALL BE UNBONDED FROM THE TOP OF THE REINFORCED CONCRETE BOX CULVERT AND SLEEPER SLAB BY USE OF MINIMUM 1 INCH THICK NEW BITUMINOUS OR A GEOTEXTILE FOR UNBONDED CONCRETE OVERLAY INTERLAYER IN ACCORDANCE WITH SEC 506 AND SEC 1011.3.7.

THE CONTRACTOR SHALL POUR AND SATIFACTORILY FINISH THE REINFORCED CONCRETE PAVEMENT BEFORE PLACING THE ADJACENT ALTERNATE PAVEMENT.

ALL LONGITUDINAL JOINTS SHALL BE ALIGNED BETWEEN ALTERNATE PAVEMENT AND REINFORCED PAVEMENT.

CROWN TRANSITION IS FOR MINIMUM CROSS-SLOPE. PROVIDING A NORMAL CROWN IS PREFERED IF FIELD REVIEW OF 12'X 4' BOX ELEVATION AND OUT TO OUT SPAN ALLOWS A STEEPER CROSS-SLOPE.

PAYMENT FOR FURNISHING ALL MATERIALS, LABOR AND EXCAVATION NECESSARY TO CONSTRUCT THE REINFORCED CONCRETE PAVEMENT, SLEEPER SLAB, AND ALL OTHER APPURTENANCES AND INCIDENTAL WORK AS SHOWN ON THIS SHEET COMPLETE IN PLACE SHALL BE PAID FOR BY THE CONTRACT UNIT PRICE FOR 8 INCH MINIMUM REINFORCED CONCRETE PAVEMENT PER SQUARE YARD.

REINFORCED CONCRETE PAVEMENT
49.0 SY

INTERLAYER
57 SY

8 INCH MINIMUM
REINFORCED CONCRETE
PAVEMENT

SPECIAL SHEET
SHEET 13 OF 15

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

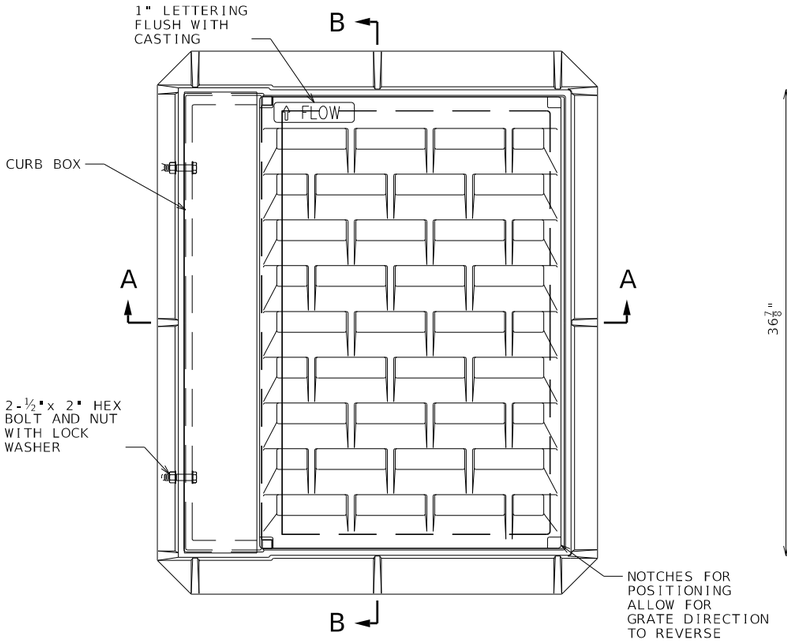
DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 110
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. -

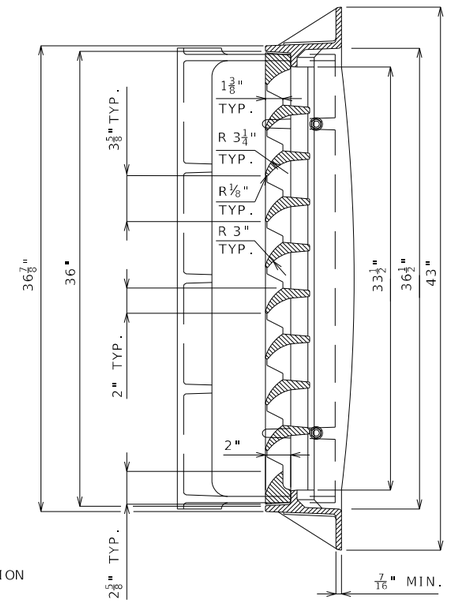
DESCRIPTION | DATE

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

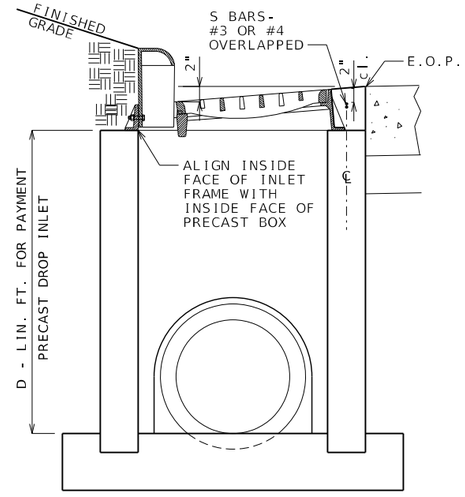
MoDOT
Engineering beyond.

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SECTION B-B



SECTION E-E
3'x 2.5' PRECAST
DROP INLET

GENERAL NOTES:

GRATES TO BE CONSTRUCTED OF CAST GRAY IRON MEETING REQUIREMENTS OF AASHTO M 306. MINOR VARIATIONS IN VANE SHAPE TO MEET MANUFACTURER'S STANDARD PRACTICE ARE PERMITTED.

MINIMUM CLEAR OPEN AREA: 3.00 SQUARE FEET.

NO DIRECT PAYMENT WILL BE MADE FOR FORMING FOR CURVE VANE GRATE, CURB BOX AND FRAMES.

CONCRETE ABOVE THE PRECAST DROP INLET WILL BE PAID FOR AS LINEAR FEET OF CURB AND GUTTER.

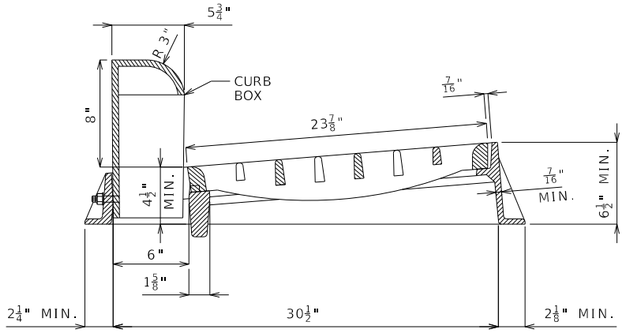
NO DIRECT PAYMENT WILL BE MADE FOR REINFORCING STEEL NOR FOR FIELD CUTTING AND BENDING OF REINFORCING STEEL.

THE REINFORCMENT SHOWN IS THE MINIMUM REQUIRED. AT THE CONTRACTOR'S OPTION, ADDITIONAL REINFORCEMENT MAY BE USED.

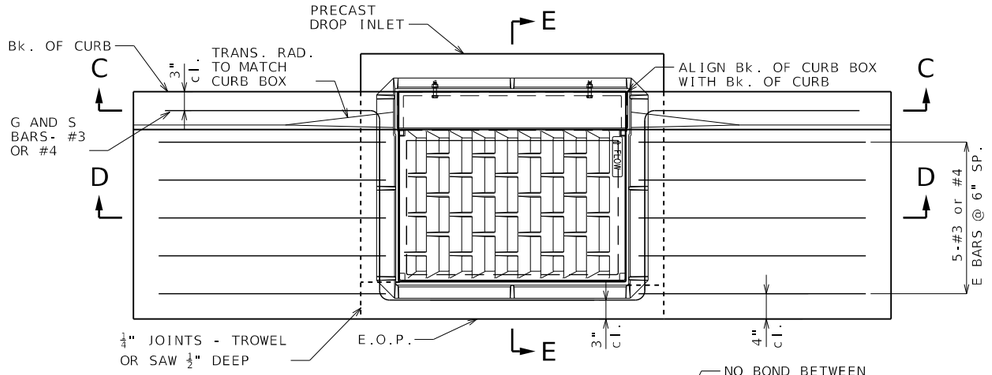
REINFORCING STEEL EDGE DISTANCE WILL BE 1½" UNLESS OTHERWISE SPECIFIED.

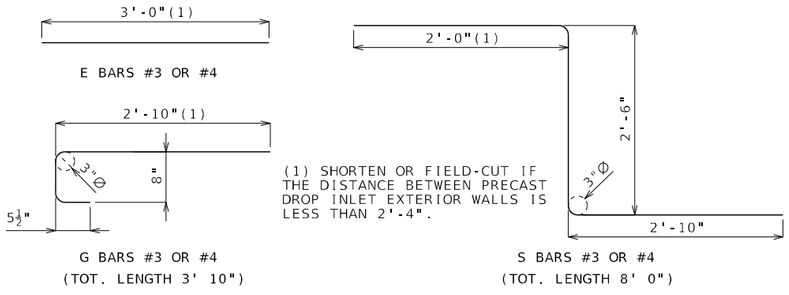
JOINTS SHALL BE SEALED IN ACCORDANCE WITH SECTION 726.3.1 OF THE STANDARD SPECIFICATIONS.

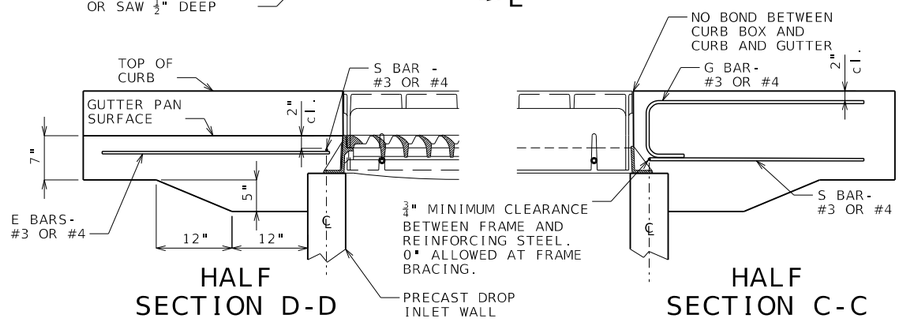
SEE STANDARD PLAN 731.10T FOR PRECAST DROP INLET DETAILS.



SECTION A-A







PRECAST DROP INLET
COVER FOR 3'X2'
CURVED VANE GRATE
WITH CURB BOX
AND FRAME

SPECIAL SHEET
SHEET 14 OF 15

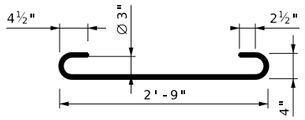
STATE OF MISSOURI
SEAN J. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	111
COUNTY	
JASPER	
JOB NO.	
JSR0060	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	
-	

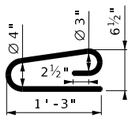
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

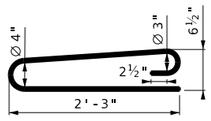
PRECAST DROP INLET COVERS FOR 3'TO 5' WIDE BY 2'LONG TYPE D DROP INLETS



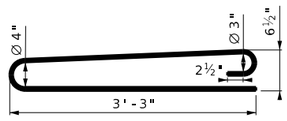
G BARS



R1 BARS



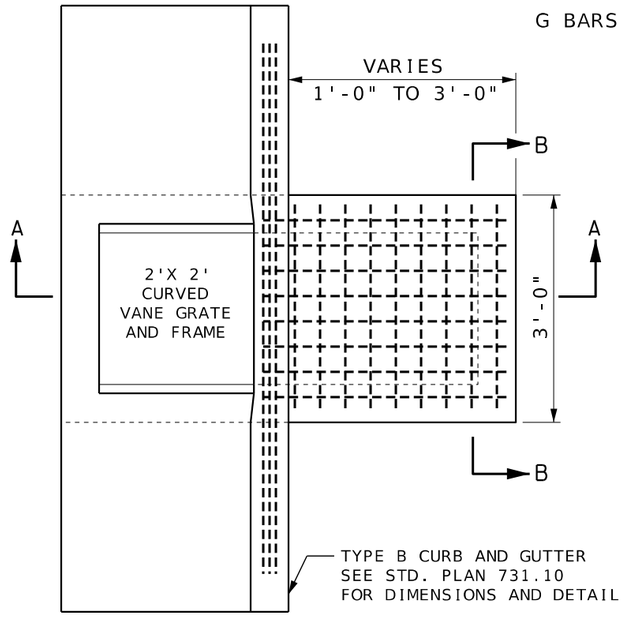
R2 BARS

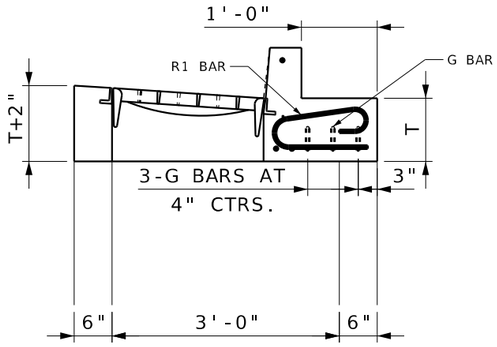


R3 BARS

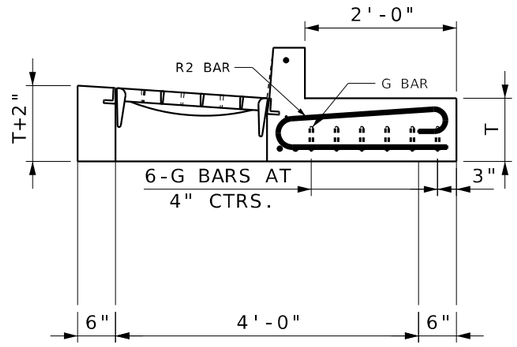
PAVEMENT THICKNESS	"T" DIMENSION
< OR =TO 11"	11"
12"	12"
13"	13"
> OR =TO 14"	14"

BAR SIZES
E,F,G,R1,R2,R3,& U..#4
E2.....#6





SECTION A-A
FOR 3'X2' TYPE D
DROP INLET



SECTION A-A
FOR 4'X2' TYPE D
DROP INLET

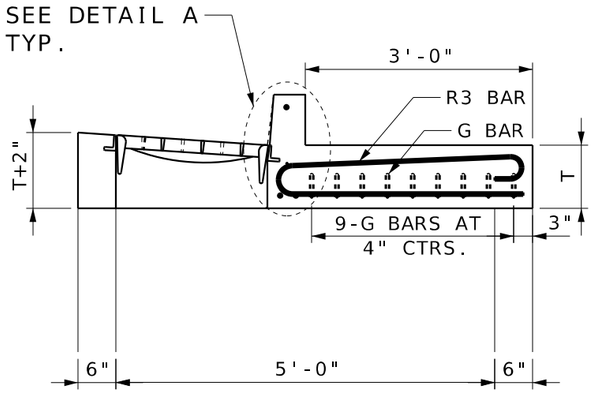
BARS INCLUDED ON STD. PLAN 731.10T - PRECAST DROP INLET COVERS MAY NOT BE SHOWN FOR CLARITY. SEE STD. PLAN 731.10T DETAIL OF TYPE D INLET COVER FOR PLACEMENT OF OTHER BARS(F,U,& E) BETWEEN EOP AND GUTTER. ADDED BARS SHOWN FOR PRECAST DROP INLET COVERS GREATER THAN 2'X 2'.

ALL BARS ARE REINFORCING STEEL FOR CONCRETE AS PER SEC 1036.

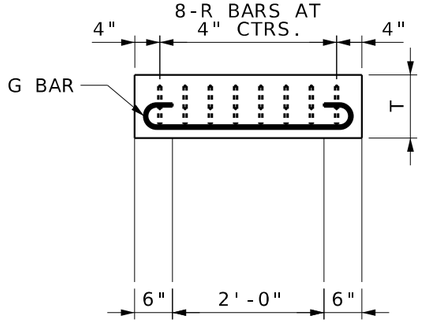
REINFORCING STEEL EDGE DISTANCE WILL BE 1½" UNLESS OTHERWISE SPECIFIED.

ADDITIONAL REINFORCED CONCRETE BEHIND CURB USED TO COVER PRECAST DROP INLET WILL BE INCLUDED IN PAYMENT FOR LINEAR FEET OF ADJACENT CURB AND GUTTER.

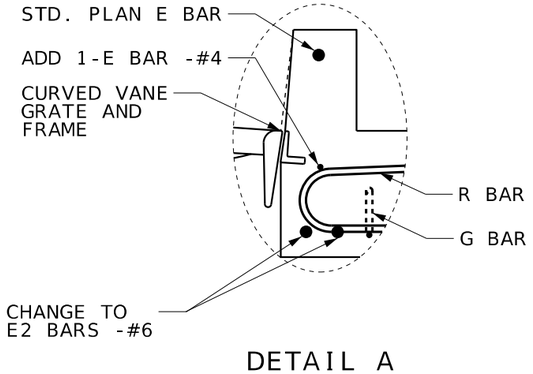
DROP INLET COVER AND PAVEMENT BAR BILL					
TYPE	WIDTH	LENGTH	MARK	NO.	LENGTH
D	3'	2'	E	5	7'-0"
			E2	2	7'-0"
			F	6	2'-9"
			U	8	2'-9"
			G	8	3'-9"
			R1	3	3'-2"
D	4'	2'	E	5	7'-0"
			E2	2	7'-0"
			F	6	2'-9"
			U	8	2'-9"
			G	8	3'-9"
			R2	6	5'-2"
D	5'	2'	E	5	7'-0"
			E2	2	7'-0"
			F	6	2'-9"
			U	8	2'-9"
			G	8	3'-9"
			R3	6	7'-2"



SECTION A-A
FOR 5'X2' TYPE D
DROP INLET



SECTION B-B



DETAIL A
TYPICAL

SPECIAL SHEET
SHEET 15 OF 15

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 112
COUNTY JASPER
JOB NO. JSR0060
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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PHASE 1 - CONSTRUCTION TO PASSING LANES EB (1A) AND WB (1B). TRAFFIC ON DRIVING LANES FOR EB (2A) AND WB (2B).

SEE DETAIL ON SHEET 6 AND SHEET 7. SEE SHEET 8 FOR INTERIOR LANE CLOSURE. SEE SHEET 11 FOR LEFT LANE CLOSURE. SEE SHEET 9 FOR RIGHT LANE CLOSURE. SEE SHEET 12 FOR TURN LANE CLOSURE.

PHASE 2 - CONSTRUCTION TO PASSING LANES EB (2A) AND WB (2B). TRAFFIC ON DRIVING LANES FOR EB (1A) AND WB (1B).

SEE DETAIL ON SHEET 6 AND SHEET 7. SEE SHEET 8 FOR INTERIOR LANE CLOSURE. SEE SHEET 11 FOR LEFT LANE CLOSURE. SEE SHEET 9 FOR RIGHT LANE CLOSURE. SEE SHEET 12 FOR TURN LANE CLOSURE.

STAGE 1A & 1B - CMS BOARDS NB I-49 S/O I-44, RTE.249 (1.0 MILE W/O ROUTE HH), RTE 171 (1.0 MILE W/O BEGIN WORK ZONE) -- NO NB ACCESS TO I-49 IN CARTHAGE

STAGE 1A & 1B - CMS BOARD ON SB I-49 (1.0 MILES N/O RTE. V/D INTERCHANGE) - NO EB ACCESS ON RTE 96 - USE RTE V

KEEP BOGGESS DRIVE OPEN DURING PHASE 1 AND 2

PHASE 2 - CMS BOARD BEGINNING OF PROJECT - NO SB ACCESS TO I-49

STAGE 1A AND 1B - CMS BOARD NB I-49 (1.0 MILES S/O RTE HH INTERCHANGE) - NO WB ACCESS AT RTE 171 - USE RTE HH

PHASE 1A
PHASE 1B
PHASE 2A
PHASE 2B
PHASE 3A
PHASE 3B

SCALE
0 100 200 300 400 500

MATCHLINE STA. 461+58.40

MATCHLINE STA. 461+58.40

FRANCIS STREET AND BAKER BLVD INTERSECTIONS CANNOT BE CLOSED SIMULTANEOUSLY

KEEP BOGGESS DRIVE OPEN DURING PHASE 1 AND 2

BOGGESS DR.

TEMPORARY TRAFFIC SIGNAL - STAGE 3

TEMPORARY TRAFFIC SIGNAL - STAGE 2

TEMPORARY TRAFFIC SIGNAL PHASE 4

BAKER ST.

FLORENCE ST.

CENTER ST.

FRANCIS ST.

BLANCHE ST.

PHASE 3A - CONSTRUCTION ON EB LANES. TRAFFIC WILL BE HEAD TO HEAD ON WB LANES.

PHASE 3B - CONSTRUCTION ON WB LANES. TRAFFIC WILL BE HEAD TO HEAD ON EB LANES.

SEE SHEET 5 FOR TEMPORARY SIGNAL. SEE SHEET 7 FOR STATIONARY LANE CLOSURE. SEE SHEET 13 FOR ENTRANCE CONSTRUCTION SEE SHEET 14 AND 15 FOR CLOSURE OF NON-SIGNALIZED STREETS. SEE SHEET 18 FOR CROSSWALK CLOSURES.

PHASE 4A - CONSTRUCTION ON EB LANES. TRAFFIC WILL BE HEAD TO HEAD ON WB LANES.

PHASE 4B - CONSTRUCTION ON WB LANES. TRAFFIC WILL BE HEAD TO HEAD ON EB LANES.

SEE SHEET 5 FOR TEMPORARY SIGNAL. SEE SHEET 7 FOR STATIONARY LANE CLOSURE. SEE SHEET 13 FOR ENTRANCE CONSTRUCTION. SEE SHEET 14 AND 15 FOR CLOSURE OF NON-SIGNALIZED STREETS. SEE SHEET 18 FOR CROSSWALK CLOSURES

PHASE 3A
PHASE 3B
PHASE 4A
PHASE 4B

SCALE
0 100 200 300 400 500

MATCHLINE STA. 488+58.40

TRAFFIC CONTROL SHEET
SHEET 1 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	113

COUNTY
JASPER

JOB NO.
JSR0060

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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PHASE 5A - CONSTRUCTION ON EB LANES.
TRAFFIC WILL BE HEAD TO HEAD ON WB LANES.

PHASE 5B - CONSTRUCTION ON WB LANES.
TRAFFIC WILL BE HEAD TO HEAD ON EB LANES.

SEE SHEET 6 FOR END/BEGIN OF PROJECT.
SEE SHEET 5 FOR TEMPORARY SIGNAL.
SEE SHEET 7 FOR STATIONARY LANE CLOSURE.
SEE SHEET 13 FOR ENTRANCE CONSTRUCTION.
SEE SHEET 14 & 15 FOR CLOSURE OF
NON-SIGNALIZED STREETS. SEE SHEET 18 FOR
CROSSWALK CLOSURES.

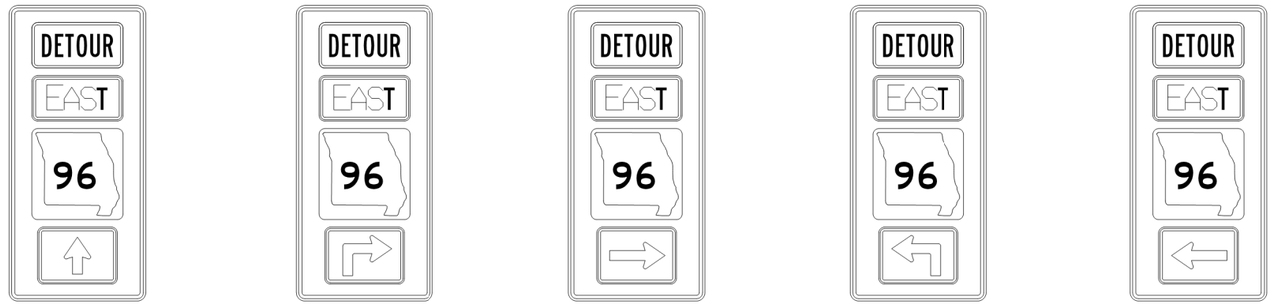
MATCHLINE STA. 488+58.40

MCGREGOR ST.

GARRISON ST.

PHASE 4A
PHASE 4B
PHASE 5A
PHASE 5B

SCALE
0 100 200 300 400 500



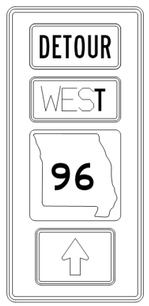
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50B

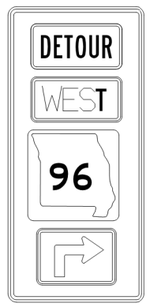
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50D

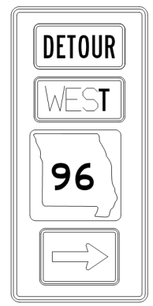
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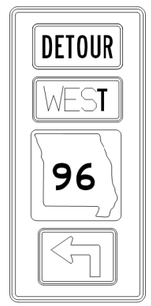
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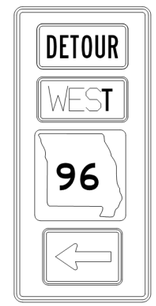
50G



50H



50I



50J

TRAFFIC CONTROL SHEET
SHEET 2 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	114

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

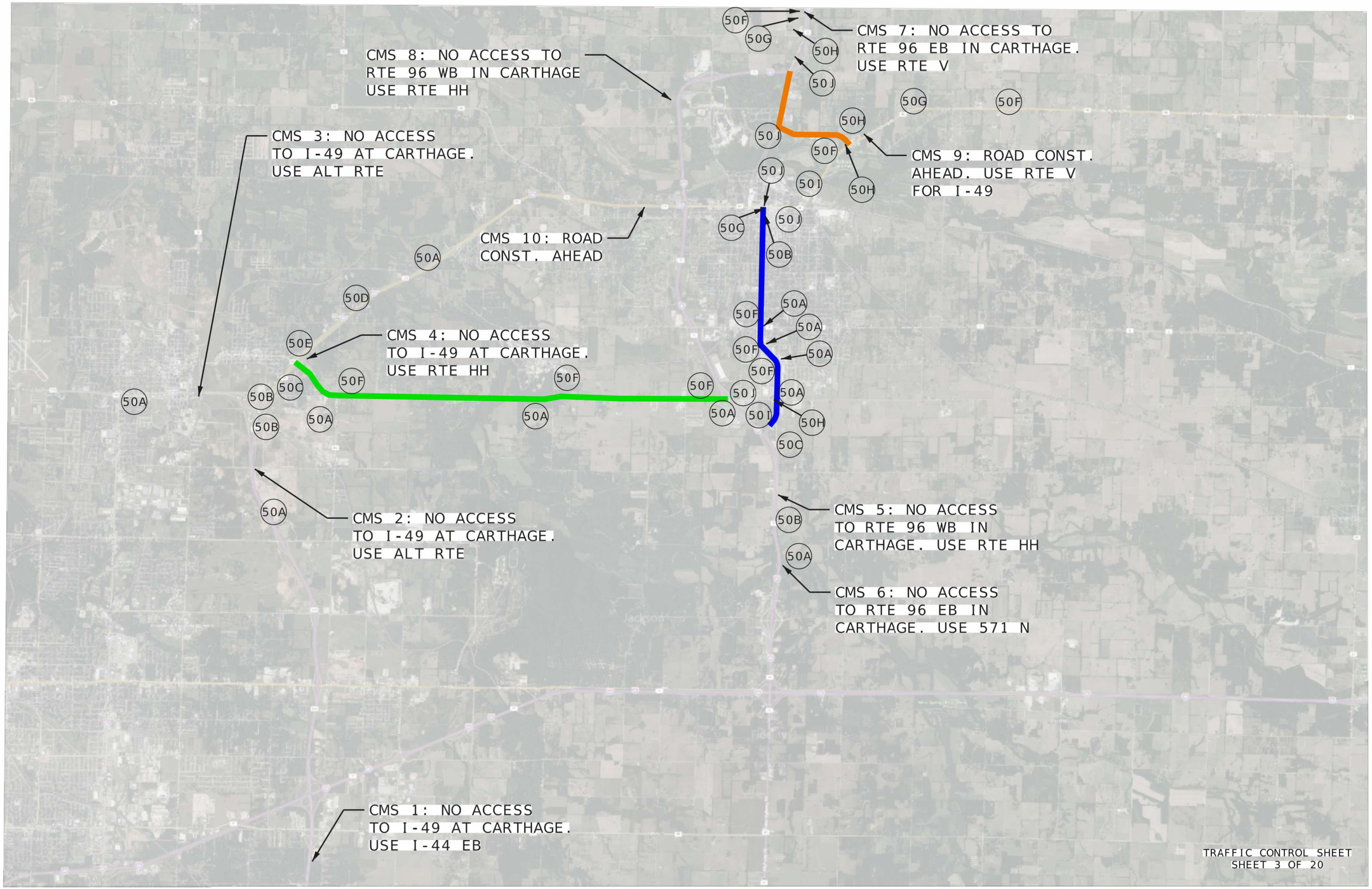
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairhawn Dr.
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DETOURS AND CMS BOARD PLACEMENTS



TRAFFIC CONTROL SHEET
SHEET 3 OF 20

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	115
COUNTY	JASPER
JOB NO.	JSR0060
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

TAPER LENGTHS AND END TREATEMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
> 40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED (MPH)	MINIMUM LANE TAPER LENGTH			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH (FT.)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	70'
40-45	450'	495'	540'	150'	400'	40'	150'
50-55	550'	605'	660'	185'	560'	50'	185'
60-70	700'	770'	840'	235'	840'	60'	235'

NOTES:

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

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

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

(4) CONCRETE BARRIER MAY BE INSTALLED AT AN 8:1 FLARE RATE FROM THE SHOULDER POINT ON THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

GENERAL NOTES:

1. AS WITH ALL CONSTRUCTION ACTIVITIES TRAFFIC SITUATIONS ARE SUBJECT TO CHANGE. THE CONTRACTOR SHALL BE AWARE THAT ALL TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE STANDARDS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION, SECTION 600 AND SHALL FOLLOW THE GUIDELINES IN THE MODOT TRAFFIC CONTROL FOR FIELD OPERATIONS MANUAL.

2. TWO (2) PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE SUPPLIED A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF ANY TURNING RESTRICTION, LANE CLOSURES, OR DETOURS REQUIRED BY THE TEMPORARY TRAFFIC CONTROL.

3. PLACE A "ROAD WORK AHEAD" SIGN ON THE APPROACH TO ALL INTERSECTIONS WHERE THE ADVANCED SIGNING FOR THE TEMPORARY TRAFFIC CONTROL EXTENDS PAST THAT INTERSECTION.

4. NOTIFY MODOT RESIDENT ENGINEER AT 48-HOURS IN ADVANCE OF ANY LANE CLOSURE OR ROADWAY CLOSURE.

5. ALL EXISTING SIGNS SHALL BE USED IN PLACE. ADJUSTED AND/OR COVERED AS CONDITIONS REQUIRE.

6. REFER TO MODOT STANDARD PLANS 619.10J. SHEETS 1-3 FOR "PAVEMENT EDGE TREATMENT" DETAILS. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW THIS STANDARD DURING WORKING AND NON-WORKING HOURS.

7. ALL STATIONING, DISTANCES, AND SPACING OF WORK ZONES DEVICES ARE APPROXIMATE AND MAY BE REVISED AS APPROVED BY ENGINEER.

8. TYPE III MOVEABLE BARRICADES TO BE LOCATED AS APPROVED BY THE ENGINEER TO FIT FIELD CONDITIONS.

9. FIRST ORDER OF WORK ON ALL PHASES SHALL BE PLACEMENT OF ALL WORK ZONE WARNING DEVICES AND SIGNS AS NOTED.

10. SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED OR AS APPROVED BY THE ENGINEER.

11. SIGNS LEFT IN PLACE OVERNIGHT MUST BE MOUNTED AT 5' MINIMUM.

12. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.

13. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, IF NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

14. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.

15. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATIONS OF CHANNELIZERS OR CONSTRUCTION SIGNS.

16. SIGN SPACING DISTANCE MAY BE ADJUSTED (INCREASED, TYPICALLY) ACCORDING TO FIELD CONDITIONS.

17. REFER TO MODOT STANDARD PLAN, 612.20 FOR SAND FILLED IMPACT ATTENUATORS AND 617.20 FOR TEMPORARY CONCRETE TRAFFIC BARRIER.

TRAFFIC CONTROL SHEET
SHEET 4 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	116

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

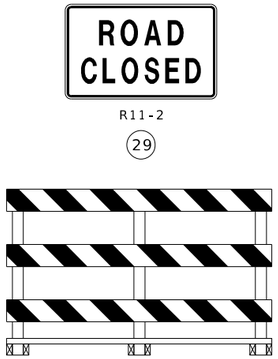
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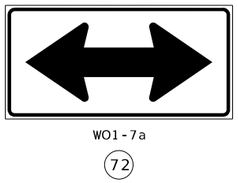
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

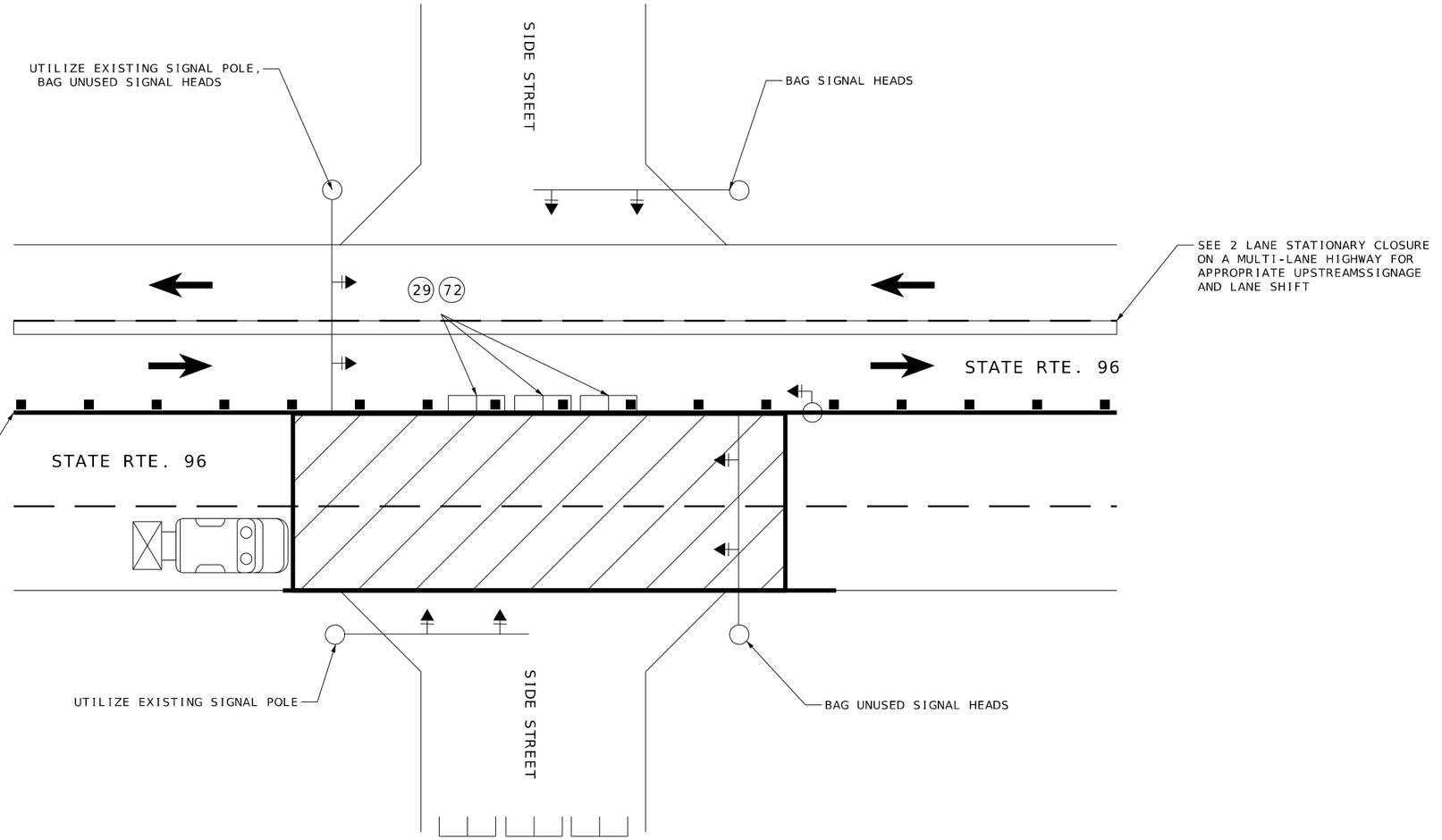
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

TEMPORARY SIGNAL FOR 2 LANE CLOSURE ON A MULTI-LANE HIGHWAY







TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- TYPE III BARRICADE
- WORK ZONE
- TEMPORARY TRAFFIC SIGNAL
- TRUCK MOUNTED ATTENTUATOR

NOTES:

1. SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP SIGNS.
4. LANE WIDTHS SHALL BE A MINIMUM OF 10' WIDE UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR TO TIE TEMPORARY SIGNAL INTO EXISTING SIGNAL TIMINGS.
6. CHANNELIZERS LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.

NOT TO SCALE

TRAFFIC CONTROL SHEET
SHEET 5 OF 20

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	117
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Carthage, MO 64836
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BEGIN AND END OF PROJECT SIGNAGE



WO20-1

2A



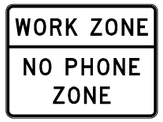
CONST-5

62



GO20-2

26



CONST-8

63



GO20-1

1



WO8-15

67



WO8-11

36

THESE SIGNS SHALL BE PLACED AT
THE DIRECTION OF THE ENGINEER

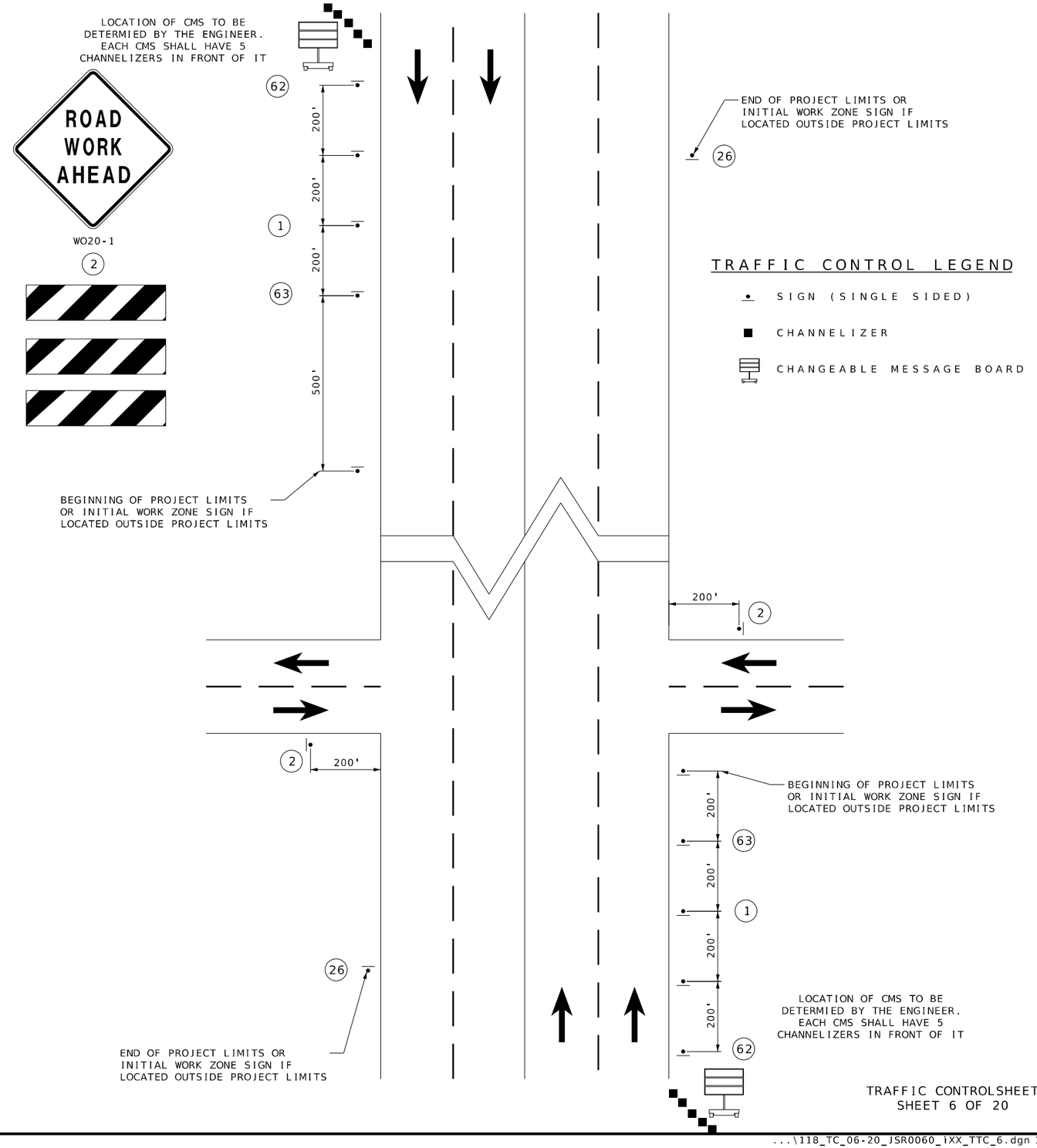
NOTES:

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP SIGNS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ADJUSTMENTS ACCORDING TO FIELD CONDITIONS, WHERE TRAFFIC BACKUPS OCCUR OR ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL SIGNING.



NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 6 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	118

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

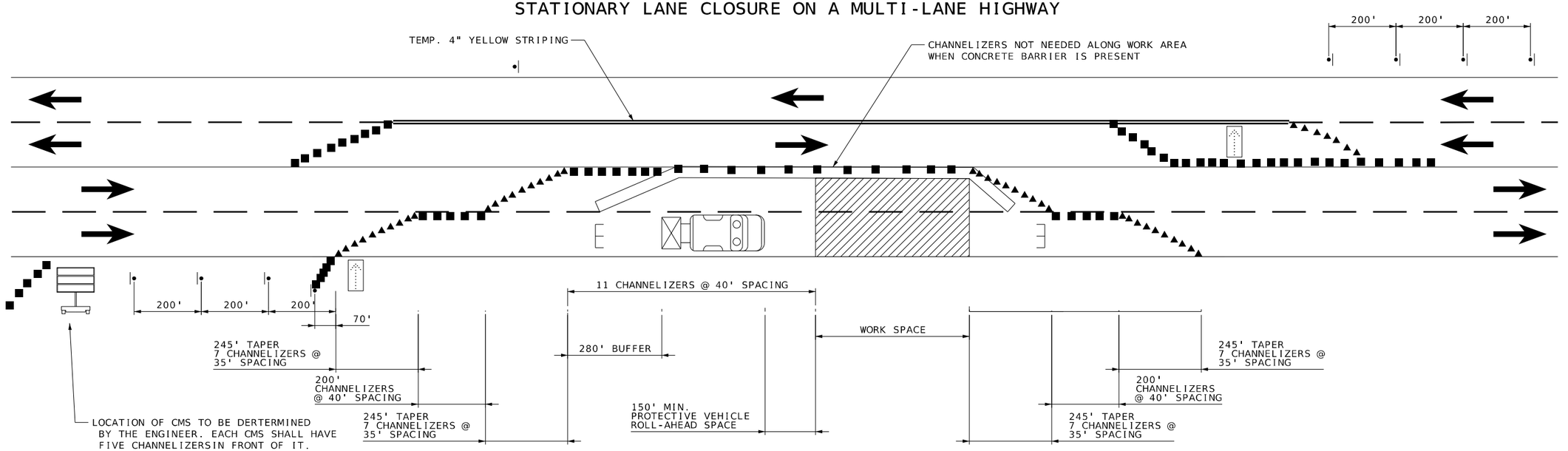
BRIDGE NO.
-

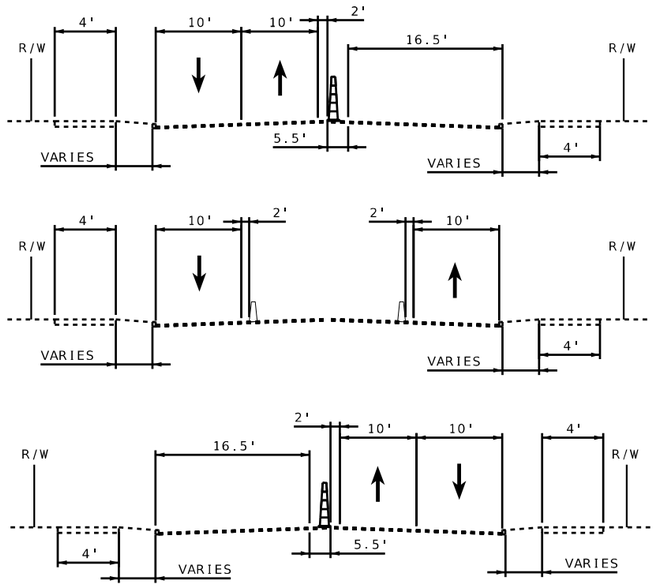
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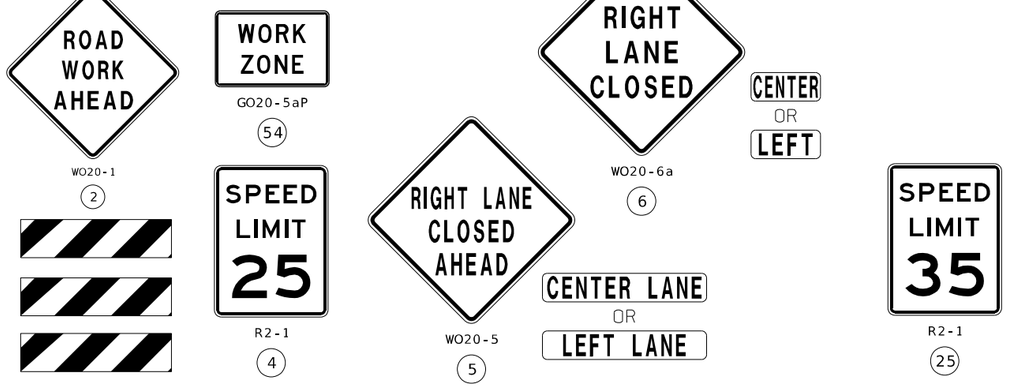
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr
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STATIONARY LANE CLOSURE ON A MULTI-LANE HIGHWAY







NOTES:

1. SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP SIGNS.
4. LANE WIDTHS SHALL BE A MINIMUM OF 10' WIDE UNLESS OTHERWISE SPECIFIED
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES.
6. CHANNELIZERS LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.
7. FLASHING ARROW PANEL ON PROTECTIVE VEHICLE SHALL BE OPERATED IN CAUTION MODE. THE PROTECTIVE VEHICLE SHALL HAVE HIGH-INTENSITIY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ACTIVATED FOR THE DURATION OF THE WORK ZONE.
8. CONCRETE BARRIER SHALL BE USED AS NEEDED FOR DEEP EXCAVATIONS.
9. CONCRETE BARRIER NEEDED FOR BOX CULVERT CONSTRUCTION ALONG BOGGESS DR.
10. TEMPORARY TRAFFIC BARRIER TO BE PLACED DURING NON PEAK PERIODS TO ACCOMMODATE PLACEMENT OF BARRIER
11. TEMPORARY SURFACING AS APPROVED BY ENGINEER.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TRUCK MOUNTED ATTENTUATOR
- WORK ZONE
- DIRECTIONAL INDICTOR BARRICADE
- CHANNELIZER (TRIMLINE)
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- FLASHING ARROW PANEL
- TEMPORARY TRAFFIC BARRIER

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 7 OF 20

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	119
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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Carthage, MO 64836
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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TRUCK MOUNTED ATTENTUATOR
- WORK ZONE
- DIRECTIONAL INDICTOR BARRICADE(D.I.B)
- CHANNELIZER (TRIMLINE)
- FLASHING ARROW PANEL
- TEMPORARY TRAFFIC BARRIER

INTERIOR LANE CLOSURE ON A MULTI-LANE HIGHWAY



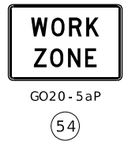
R4-7a
(42)



R2-1
(25)



WO20-1
(2)



GO20-5aP
(54)



R2-1
(4)



WO20-5
(5)



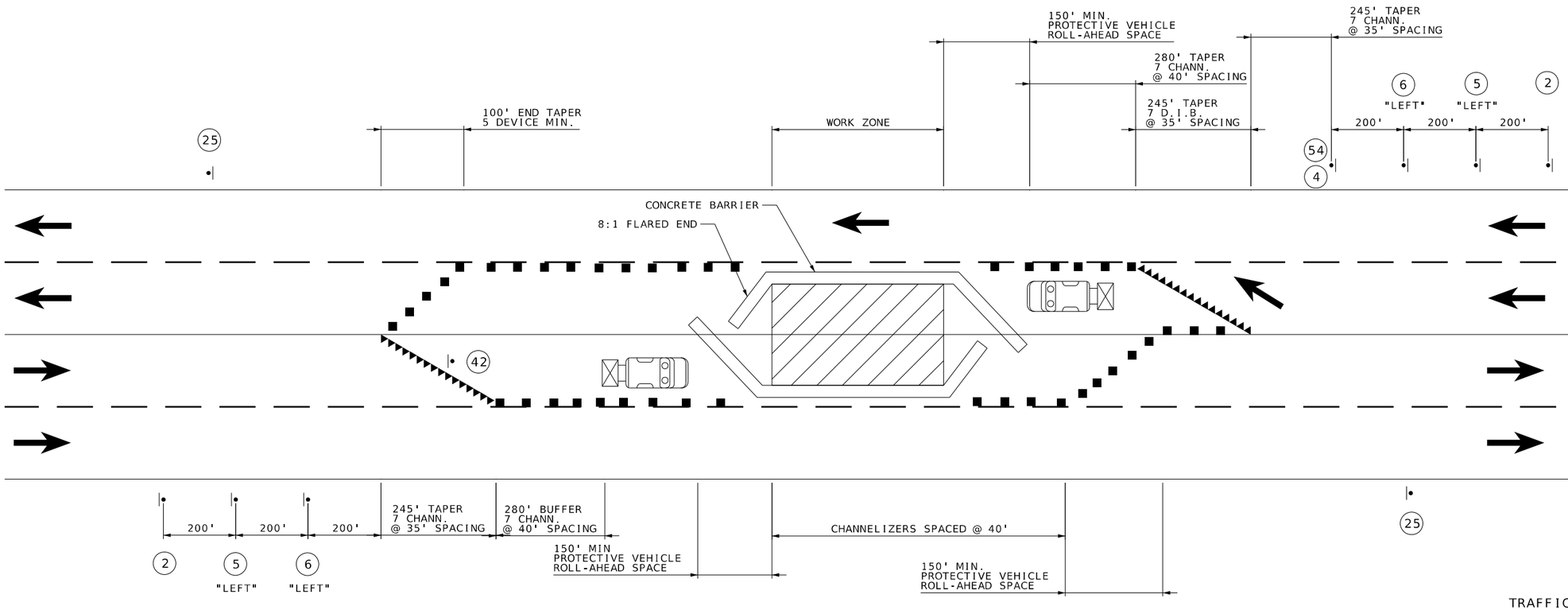
WO20-6a
(6)





NOTES:

1. SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
2. CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP. SIGNS.
4. CHANNELIZERS LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.
5. CONCRETE BARRIER SHALL BE USED AS NEEDED FOR CONSTRUCTION PHASING.
6. TEMPORARY SURFACING AS APPROVED BY ENGINEER.



NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 8 OF 20

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	120
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION

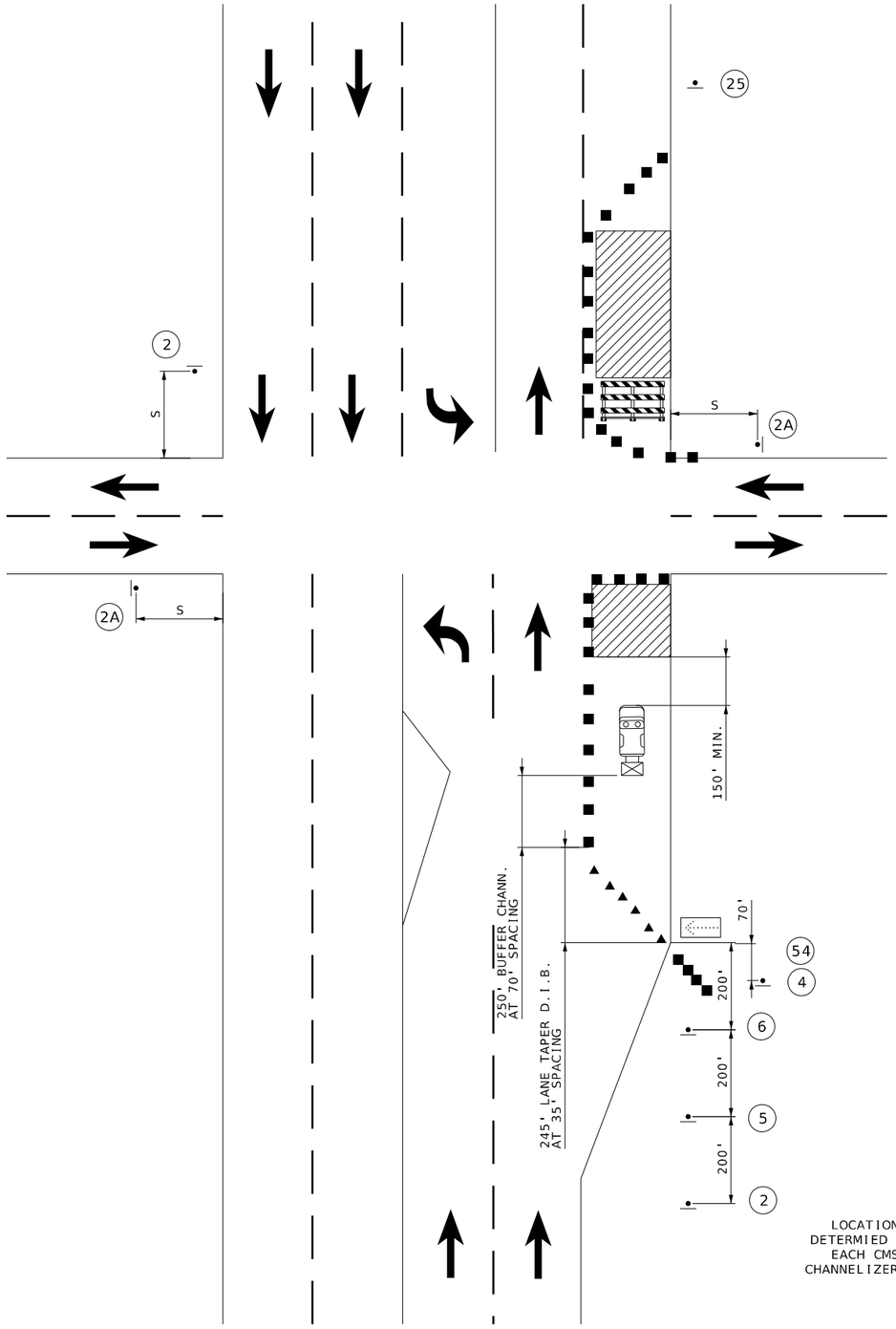
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

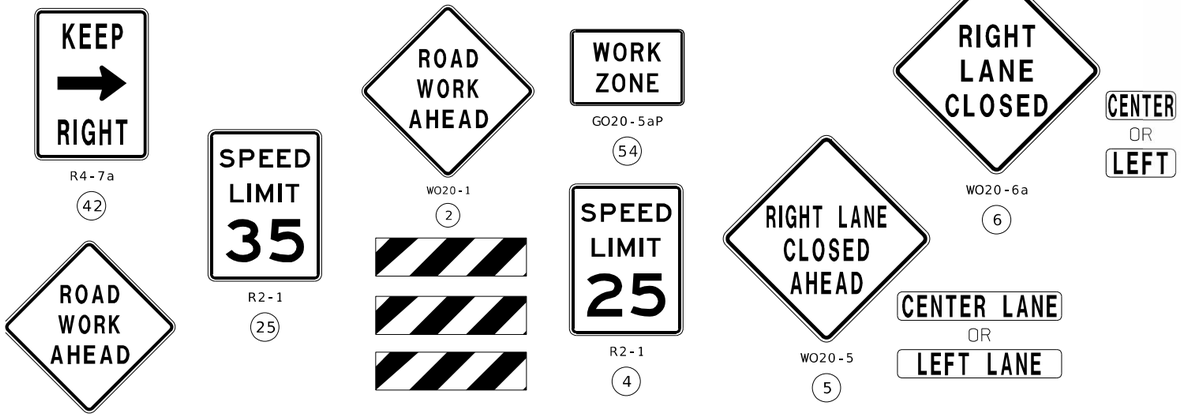
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Carthage, MO 64836
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RIGHT LANE CLOSURE AT INTERSECTION WORK ON NEAR OR FAR SIDE



LOCATION OF CMS TO BE DETERMIED BY THE ENGINEER. EACH CMS SHALL HAVE 5 CHANNELIZERS IN FRONT OF IT



NOTES:

1. SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
2. CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP. SIGNS.
4. CHANNELIZERS LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.
5. CONCRETE BARRIER SHALL BE USED AS NEEDED FOR CONSTRUCTION PHASING.
6. TEMPORARY SURFACING AS APPROVED BY ENGINEER.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TRUCK MOUNTED ATTENTUATOR
- WORK ZONE
- DIRECTIONAL INDICTOR BARRICADE(D.I.B)
- CHANNELIZER (TRIMLINE)
- FLASHING ARROW PANEL
- TEMPORARY TRAFFIC BARRIER
- TRUCK MOUNTED ATTENTUATOR

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 9 OF 20

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	121
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

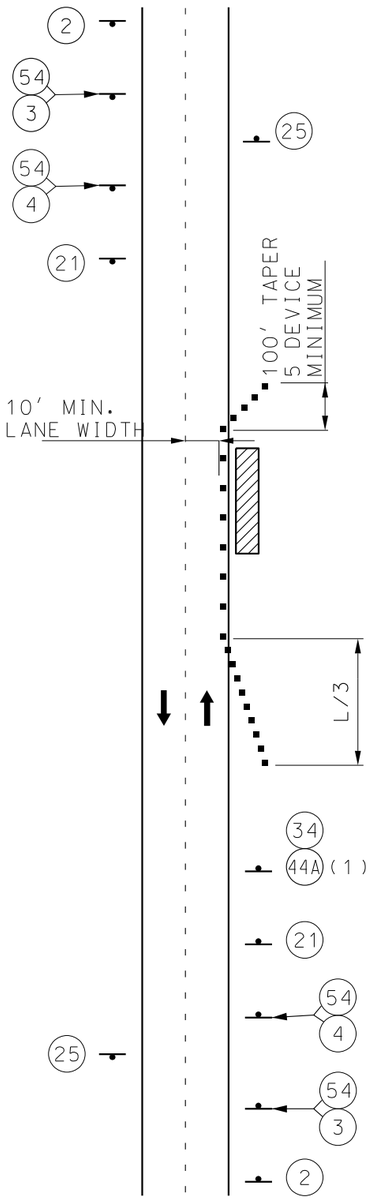
DESCRIPTION | DATE

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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STATIONARY SHOULDER CLOSURE

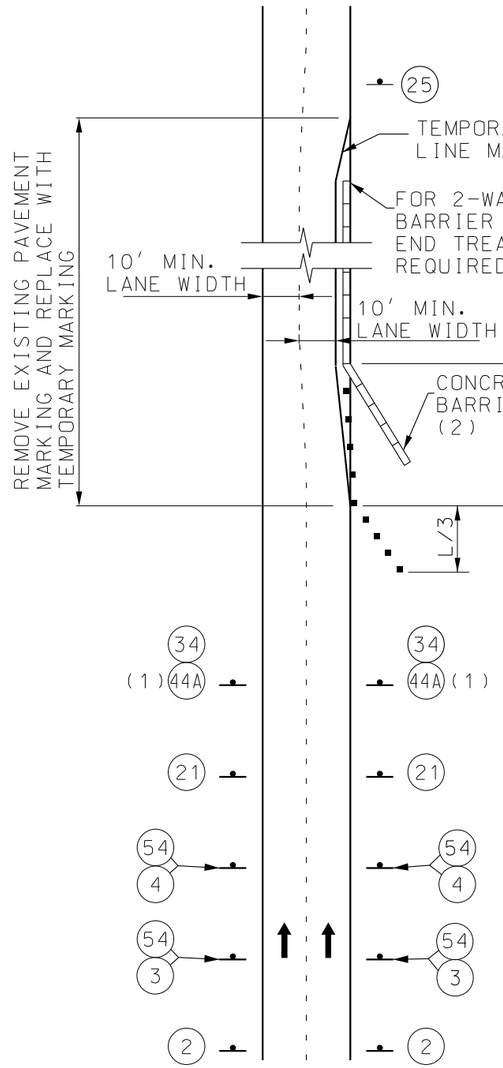
Minor Travelway Encroachment



NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDE OF DIVIDED HIGHWAYS.

Reduced Lane Widths



NOTES:

IF SHOULDER IS SUITABLE FOR CARRYING TRAFFIC, LANES MAY BE SHIFTED TO SHOULDER WITH APPROPRIATE PAVEMENT MARKING.

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

Shoulder Work

GENERAL NOTES:

SEE FIGURE 616.1.2 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.

(1) SIGN (44A) NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.
(2) 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



WO7-3a
44A



GO23-1
54

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 10 OF 20

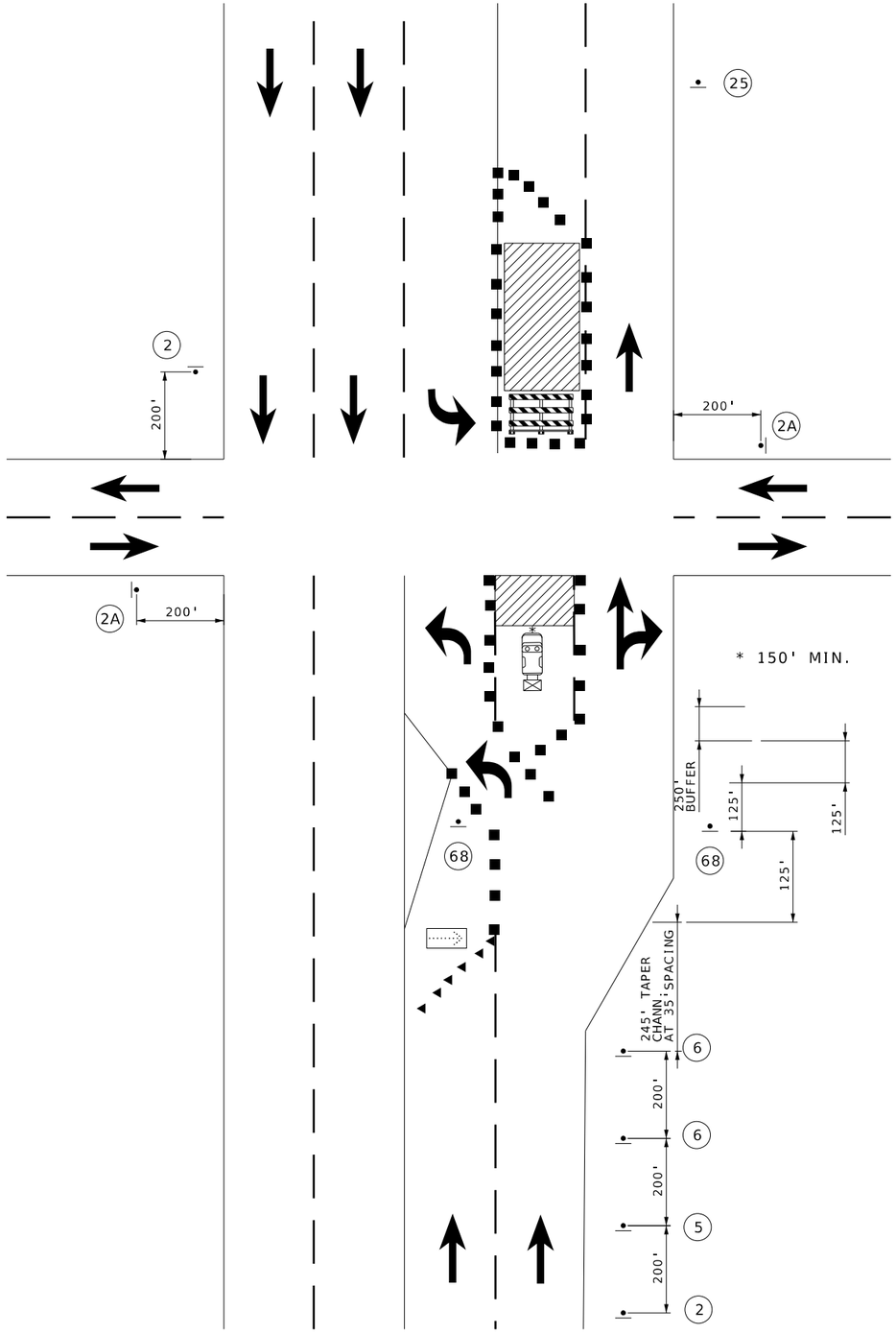
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	122
COUNTY	JASPER
JOB NO.	JSR0060
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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STATIONARY SHOULDER CLOSURE





R3-7L

68



WO20-1

2A



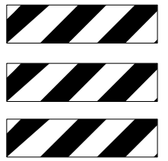
R2-1

25



WO20-1

2





GO20-5aP

54



R2-1

4



WO20-5

5



WO20-6a

6





NOTES:

1. SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

2. CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP. SIGNS.

4. CHANNELIZERS LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.

5. CONCRETE BARRIER SHALL BE USED AS NEEDED FOR CONSTRUCTION PHASING.

6. TEMPORARY SURFACING AS APPROVED BY ENGINEER.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TRUCK MOUNTED ATTENTUATOR
- WORK ZONE
- DIRECTIONAL INDICTOR BARRICADE(D.I.B)
- CHANNELIZER (TRIMLINE)
- FLASHING ARROW PANEL
- TEMPORARY TRAFFIC BARRIER
- TRUCK MOUNTED ATTENTUATOR
- TYPE 3 BARRICADE

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 11 OF 20

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

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	123

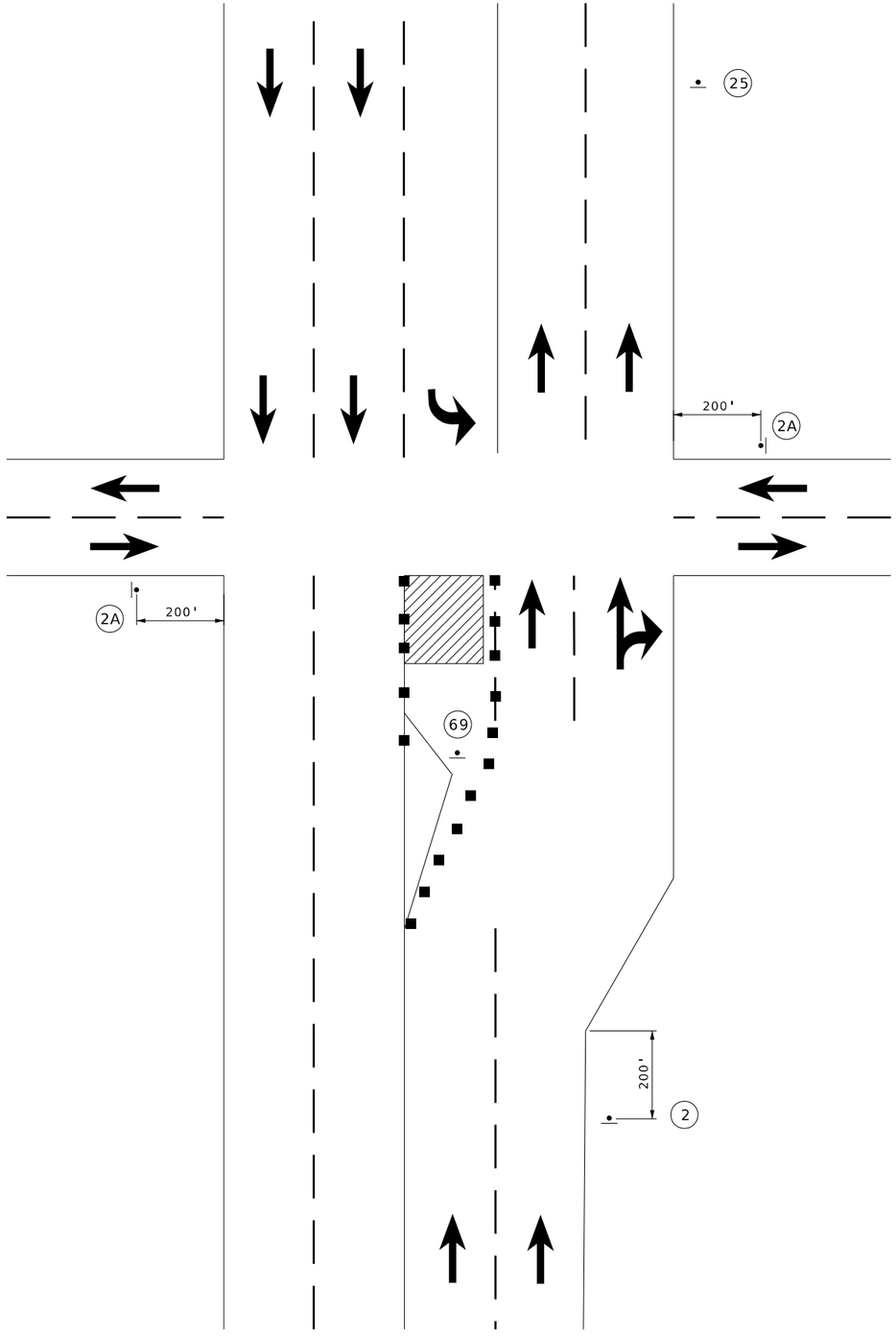
COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr.
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TURN LANE CLOSURE AT INTERSECTION





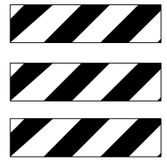
WO20-1

2A



WO20-1

2





R3-2

69

NOTES:

1. SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

2. CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP. SIGNS.

4. CHANNELIZERS LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TRUCK MOUNTED ATTENTUATOR
- WORK ZONE
- DIRECTIONAL INDICTOR BARRICADE(D.I.B)
- CHANNELIZER (TRIMLINE)
- FLASHING ARROW PANEL
- TEMPORARY TRAFFIC BARRIER
- TRUCK MOUNTED ATTENTUATOR
- TYPE 3 BARRICADE

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 12 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	124

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

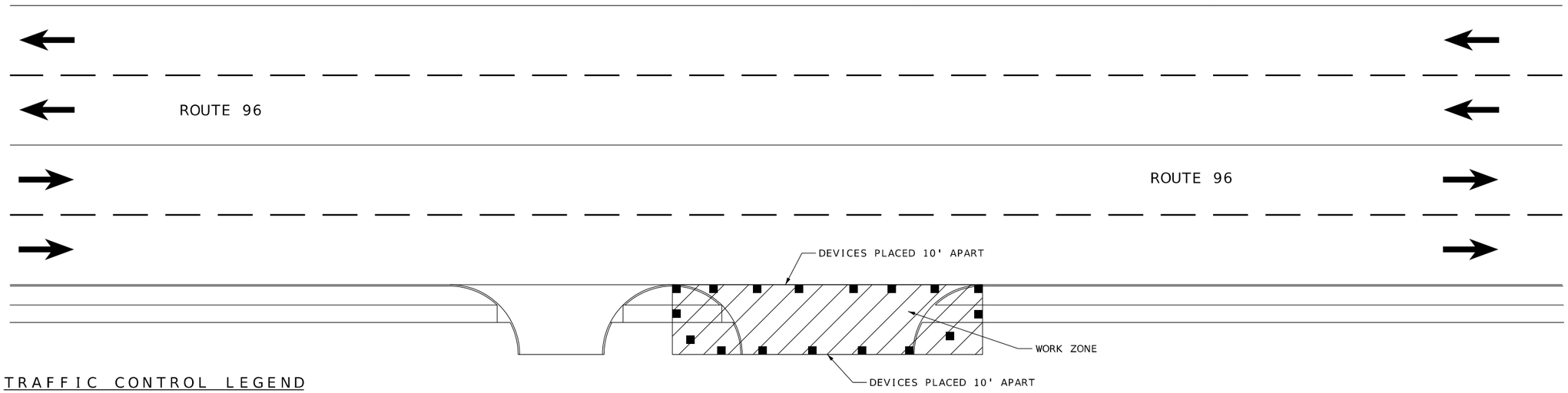
BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Carthage, MO 64836
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COA# 00062
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TRAFFIC CONTROL FOR ENTRANCE CONSTRUCTION



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- WORK ZONE

NOTES:

1. IF PROPERTY HAS MULTIPLE ENTRANCES, THE CONTRACTOR MAY CLOSE ONE ENTIRE ENTRANCE.

2. IF THE PROPERTY HAS ONLY A SINGLE ENTRANCE, THEN THE ENTRANCE SHALL BE CONSTRUCTED IN HALVES, WHERE POSSIBLE. OTHERWISE, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENTS AND/OR BUSINESSES IN ADVANCE TO PROVIDE ACCESS TO THE PROPERTY

3. THE CONTRACTOR SHALL LIMIT THE WORK ZONE TO MINIMIZE IMPACT ACCESS TO THE BUSINESS.

4. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STORE MATERIALS IN THE TEMPORARY EASEMENTS DURING NON-WORKING HOURS.

5. THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES TO THE PROPERTY.

6. SEE ALSO TRAFFIC CONTROL FOR SHOULDER WORK WITH TRAVEL WAY ENCROACHMENT AS NEEDED.

7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 13 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	125

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

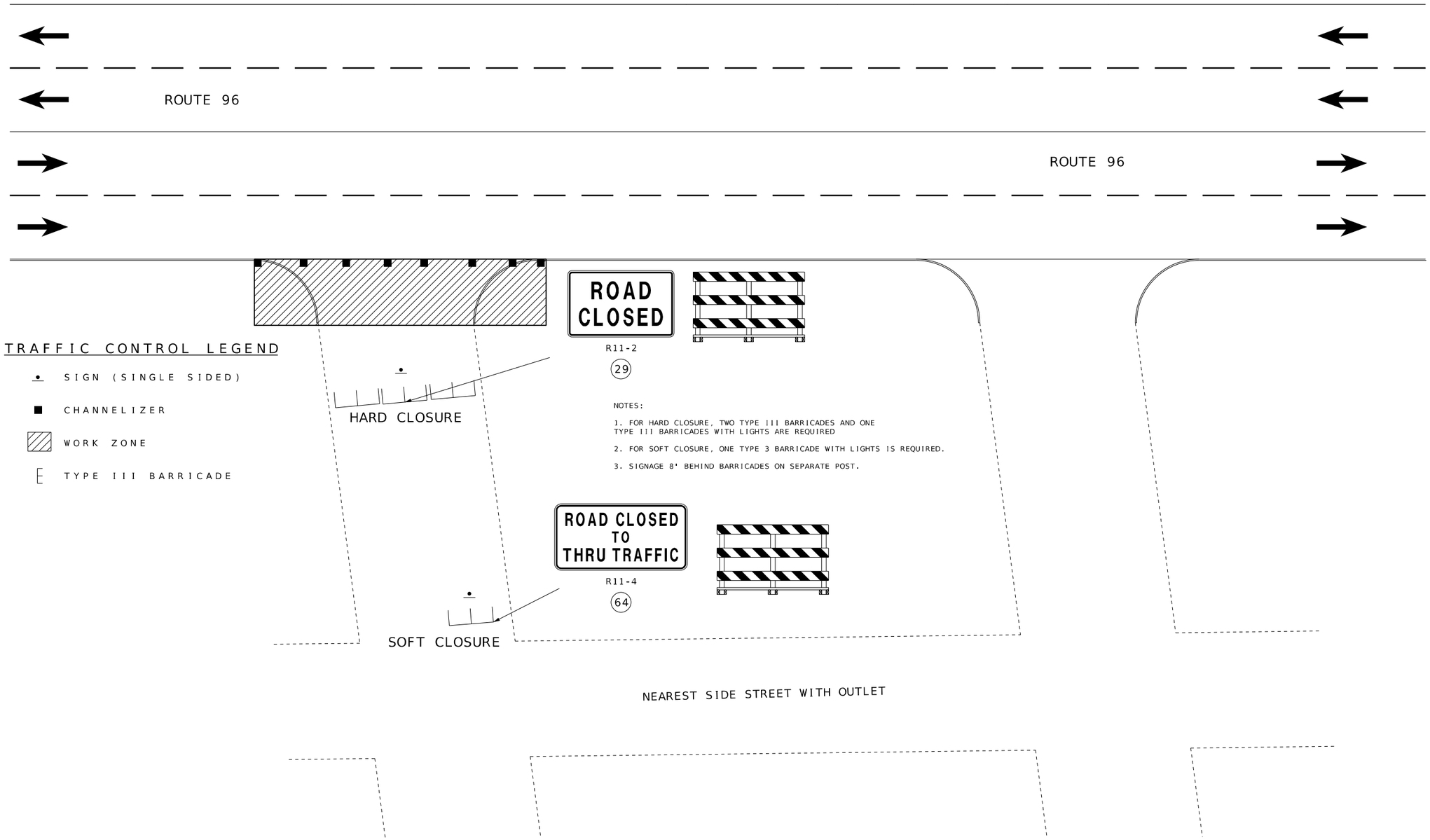
DESCRIPTION	DATE

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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CLOSURE OF NON-SIGNALIZED STREET



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- WORK ZONE
- TYPE III BARRICADE

NOTES:

1. FOR HARD CLOSURE, TWO TYPE III BARRICADES AND ONE TYPE III BARRICADES WITH LIGHTS ARE REQUIRED
2. FOR SOFT CLOSURE, ONE TYPE 3 BARRICADE WITH LIGHTS IS REQUIRED.
3. SIGNAGE 8' BEHIND BARRICADES ON SEPARATE POST.

NOTES:

1. IF THE NEAREST SIDE STREET DOES NOT HAVE AN OUTLET, OR DISTANCE TO THE NEAREST OUTLET IS NOT FEASIBLE, NON-SIGNALIZED INTERSECTION SHALL BE CONSTRUCTED IN HALVES, KEEPING HALF ON ENTRANCE OPEN AT ALL TIMES.
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 14 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	126

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

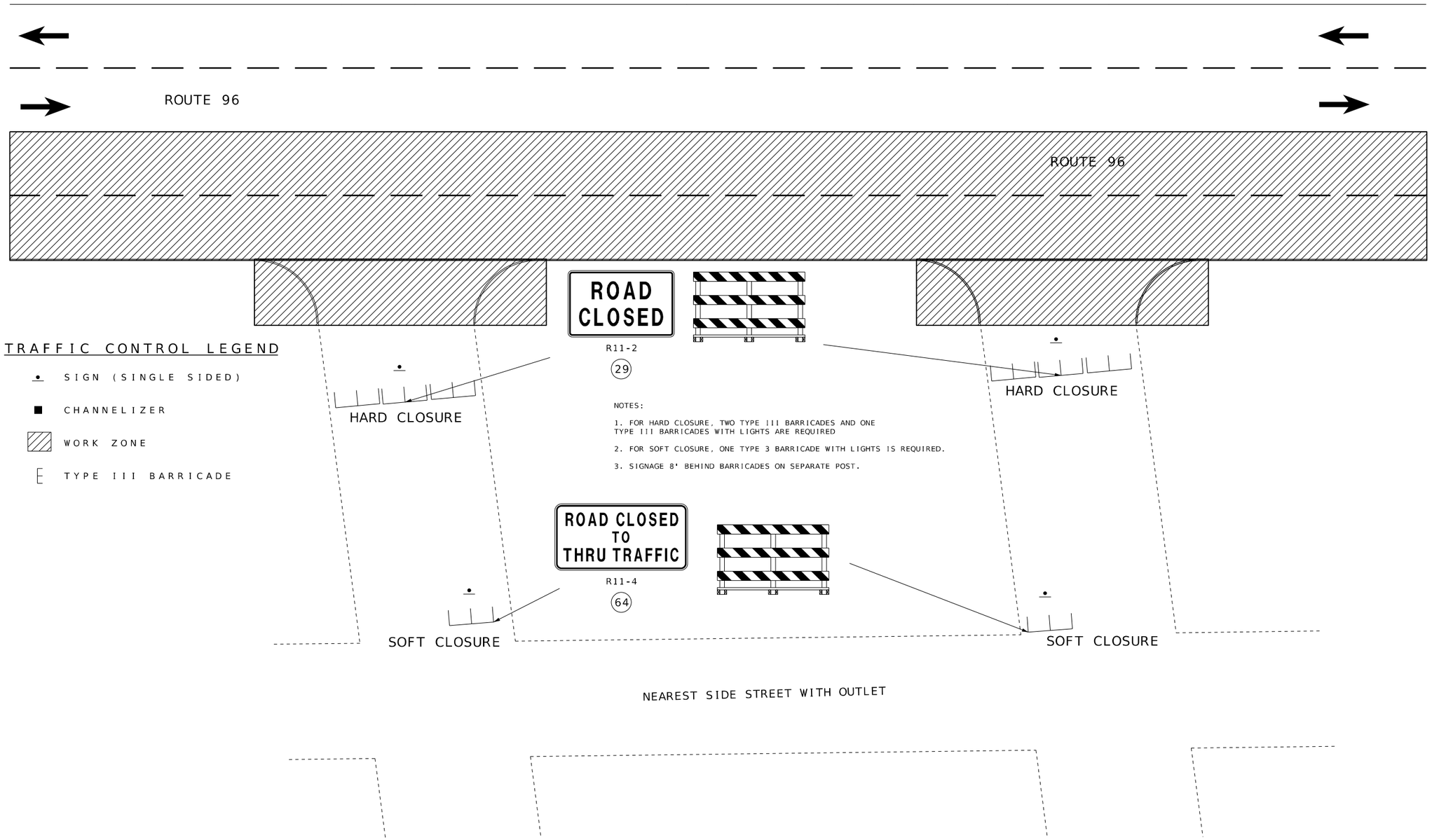
BRIDGE NO.
-

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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CLOSURE OF NON-SIGNALIZED STREET



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- WORK ZONE
- TYPE III BARRICADE

NOTES:

1. FOR HARD CLOSURE, TWO TYPE III BARRICADES AND ONE TYPE III BARRICADES WITH LIGHTS ARE REQUIRED
2. FOR SOFT CLOSURE, ONE TYPE 3 BARRICADE WITH LIGHTS IS REQUIRED.
3. SIGNAGE 8' BEHIND BARRICADES ON SEPARATE POST.

NOTES:

1. IF THE NEAREST SIDE STREET DOES NOT HAVE AN OUTLET, OR DISTANCE TO THE NEAREST OUTLET IS NOT FEASIBLE, NON-SIGNALIZED INTERSECTION SHALL BE CONSTRUCTED IN HALVES, KEEPING HALF ON ENTRANCE OPEN AT ALL TIMES.
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 15 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	127

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

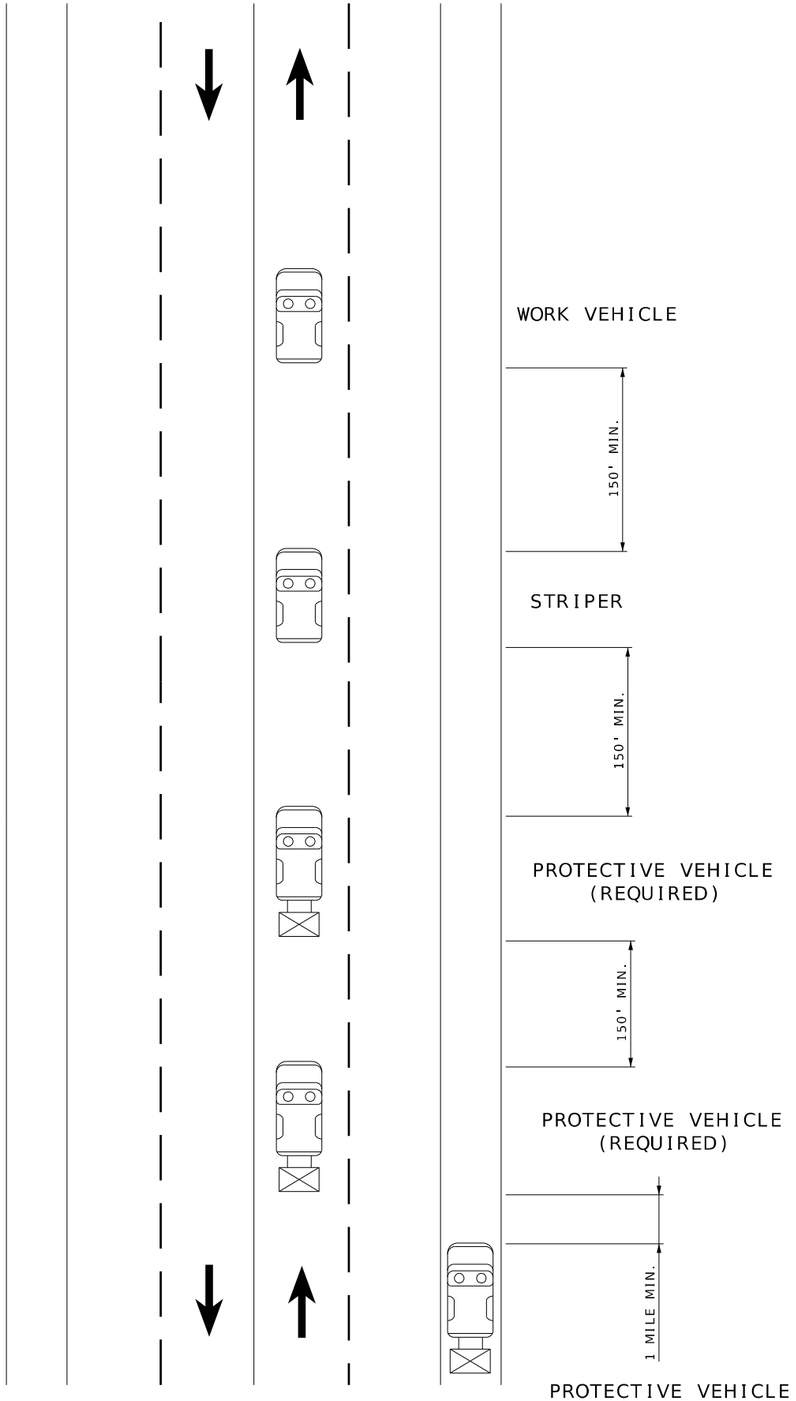
BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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STRIPING OPERATION ON UNDIVIDED MULTI-LANE HIGHWAY

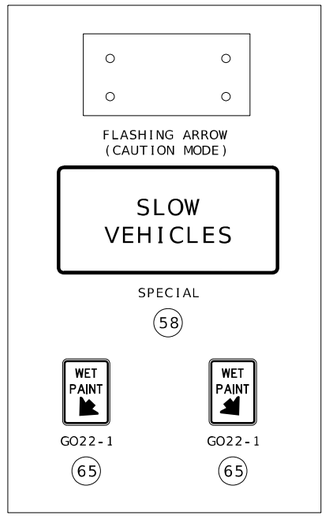


NOT TO SCALE

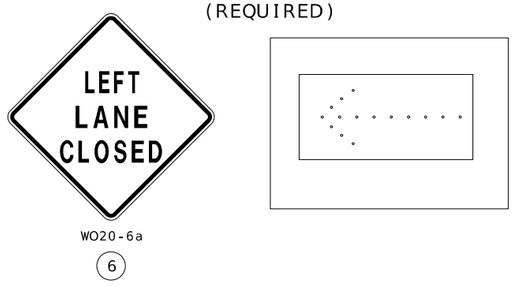
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TRUCK MOUNTED ATTENTUATOR
- FLASHING ARROW PANEL

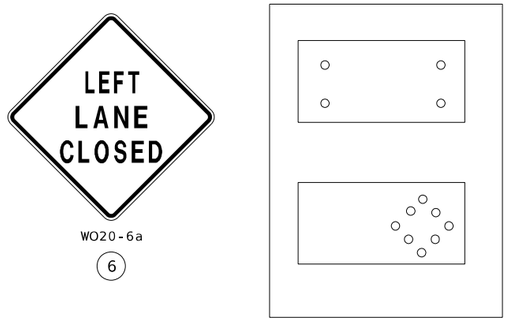
STRIPER



PROTECTIVE VEHICLE
(REQUIRED)



PROTECTIVE VEHICLE
(REQUIRED)



NOTES:

ALL SIGNS SHALL HAVE TYPE III FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

1. WET PAINT SINGS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

2. ADVANCE WORKING TRUCK IS POSITIONED A THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

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

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

FLASHING ARROW PANELS SHALL, AT AT MINIMUM, BE TYPE B, WITH A SIZE OF 60" x 30".

THE STRIPING OPERATION SHALL B E COMPLETED UNDER A LANE CLOSURE.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING EXISTING SIGNING, PAVEMENT MARKINGS, OR SIGNALS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL.

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

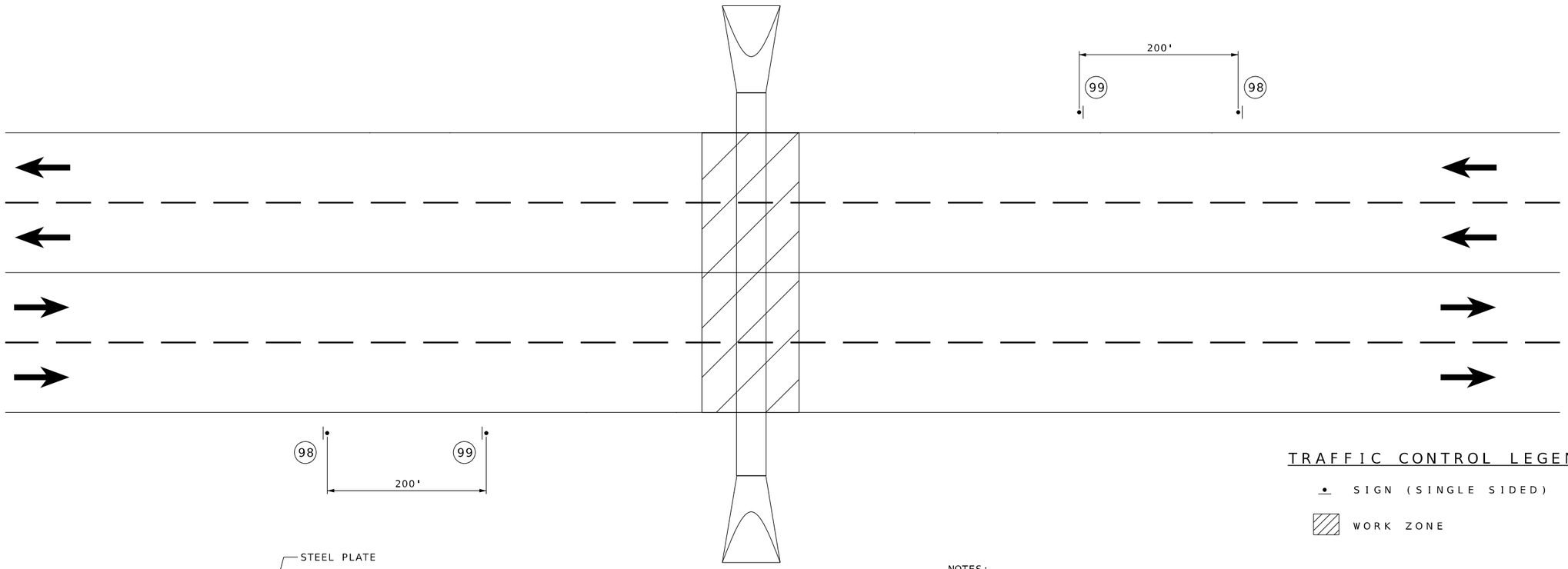
DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	128
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

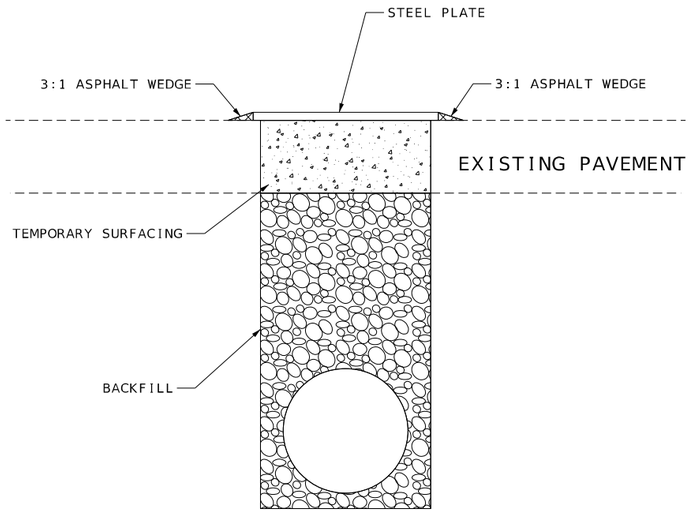
DESCRIPTION | DATE

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

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CULVERT INSTALLATION ON UNDIVIDED MULTI-LANE HIGHWAY





TYPICAL CULVERT INSTALLATION

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK ZONE

NOTES:

1. PERIMETER OF STEEL PLATE SHALL HAVE A GRADUAL TRANSITION OF 3:1. THE GRADUAL TRANSITION MAY BE ACCOMPLISHED BY ASPHALT WEDGING OR A MECHANICAL FASTENER APPROVED BY THE ENGINEER. THE PLATE SHALL HAVE A DELINEATION AND BE TREATED FOR SKID RESISTANCE.
2. STEEL PLATE SHALL REMAIN IN PLACE UNTIL THE PCCP PAVEMENT HAS REACHED 3000 PSI.
3. CROSS ROAD CULVERTS IN THE AREA OF PAVEMENT REPLACEMENT SHALL BE INSTALLED PRIOR TO THE NEW PAVEMENT, THESE CULVERTS WILL BE BACKFILLED AND PLATED UNTIL THE NEW PAVEMENT REPLACEMENT.
4. THERE WILL BE NOT DIRECT PAYMENT FOR THE STEEL PLATE.
5. TEMPORARY SURFACING AS APPROVED BY THE ENGINEER.



W08-1
99



W08-24
98

NOT TO SCALE

TRAFFIC CONTROLSHEET
SHEET 17 OF 20

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	129
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

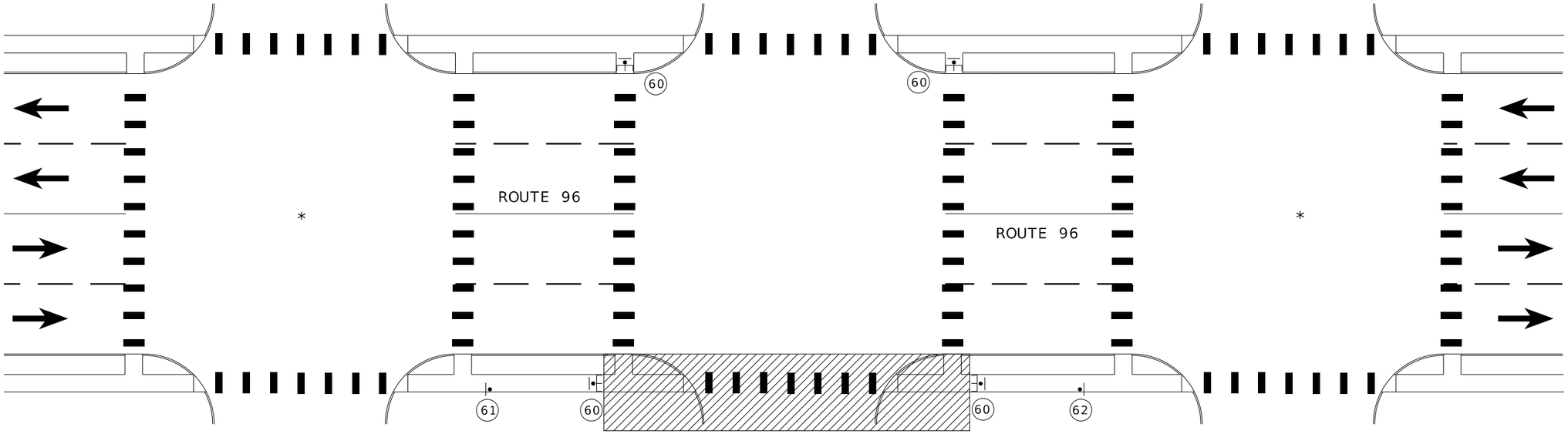
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Carthage, MO 64836
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SIDEWALK SIGNING ON UNDIVIDED MULTI-LANE HIGHWAY

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK ZONE
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



SIDEWALK CLOSED	SIDEWALK CLOSED AHEAD ← CROSS HERE	SIDEWALK CLOSED AHEAD → CROSS HERE
R9-9	R9-11L	R9-11R
60	61	62

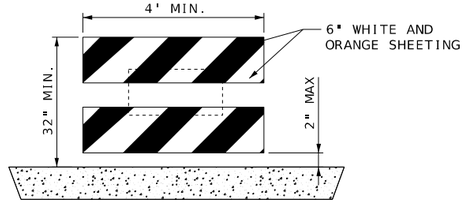
NOTES:

* DETOUR AT THE NEAREST SIGNALIZED CROSSWALK WHERE POSSIBLE.

1. CONTRACTOR SHALL MAINTAIN AN ADA-ACCESSIBLE DETOUR ROUTE FOR PEDESTRIANS AROUND ALL SIDEWALK AND CROSSWALK CLOSURES. THE CONTRACTOR SHALL BE RESTRICTED TO WORK ON ONE SIDE OF THE ROADWAY BETWEEN BLOCKS.

2. ALL BUSINESSES SHALL REMAIN ACCESSIBLE AT ALL TIMES.

3. ALL SINGS MAY BE RELOCATED TO MEET FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.



INSTALL DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES AND SIDEWALK CLOSED SIGNALS AS DIRECTED BY THE ENGINEER

WHERE CHANNELIZING DEVICES ARE USED TO CHANNELIZERS PEDESTRIANS, THERE SHALL BE CONTINUOUS DETECTABLE BOTTOM AND TOP SURFACES TO BE DETECTABLE TO USERS OF LONG CANES

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

NOT TO SCALE

TRAFFIC CONTROL SHEET
SHEET 18 OF 20

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

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	130

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION	DATE

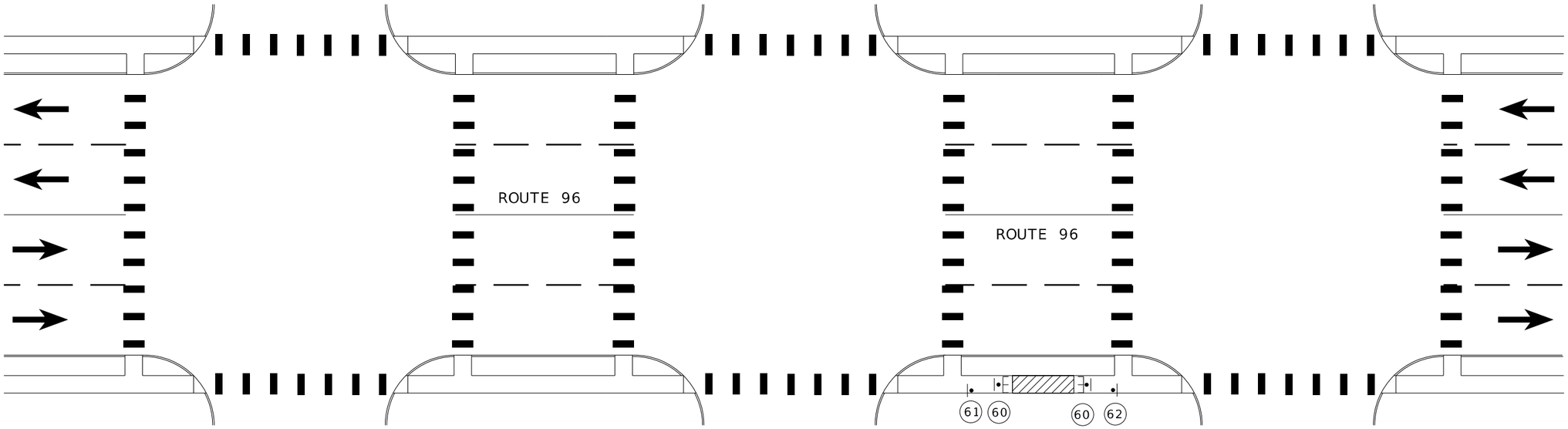
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
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SIDEWALK SIGNING ON UNDIVIDED MULTI-LANE HIGHWAY

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK ZONE
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE





R9-9

60

R9-11L

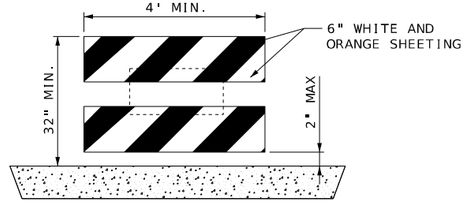
61

R9-11R

62

NOTES:

1. SING SHALL BE PLACED AT NEAREST CROSSWALK STATING SIDEWALK CLOSED.
2. ALL BUSINESSES SHALL REMAIN ACCESSIBLE BY ANOTHER ENTRANCE.
3. ALL SIGNS MAY BE RELATED TO MEET FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.



INSTALL DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES AND SIDEWALK CLOSED SIGNALS AS DIRECTED BY THE ENGINEER

WHERE CHANNELIZING DEVICES ARE USED TO CHANNELIZE PEDESTRIANS, THERE SHALL BE CONTINUOUS DETECTABLE BOTTOM AND TOP SURFACES TO BE DETECTABLE TO USERS OF LONG CANES

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

NOT TO SCALE

TRAFFIC CONTROL SHEET
SHEET 19 OF 20

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	131

COUNTY
JASPER

JOB NO.
JSR0060

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)

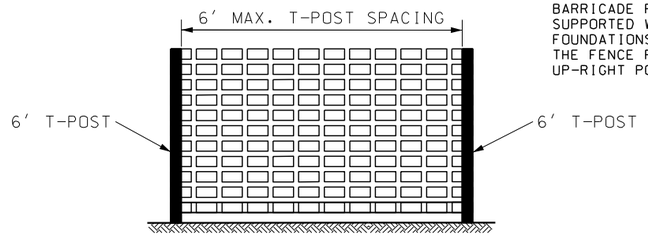
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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REVISED: 11-19-2018

NOTES:

1. NO DIRECT PAYMENT WILL BE MADE FOR ORANGE SAFETY FENCE AS REQUIRED AROUND EXCAVATION OF SIDEWALK & CURB RAMP AREAS.
2. SEE JSP's FOR PEDESTRIAN TRAFFIC DEVICES.
3. WORKING AREAS SHALL BE GUARDED FROM PEDESTRIAN ACCESS BY BARRICADE FENCING 36" TO 48" IN HEIGHT WITH A GAP NO GREATER THAN 6" FROM THE GROUND AND HOLES NO GREATER THAN 4" IN ANY DIRECTION.
4. PEDESTRIAN ACCESS ON SIDEWALK SHALL BE PROVIDED WITH A WIDTH NOT LESS THAN 4' OF SMOOTH STABLE SURFACING ADJACENT TO BARRICADE FENCING FOR ACCESS TO THE MAIN BUILDING.
5. SIDEWALK RAMP CLOSURES FOR RECONSTRUCTION SHALL BE PERFORMED WITH ADA COMPLIANT MOVEABLE BARRICADES. TWO BARRICADES PER PEDESTRIAN APPROACH. ONE SIDEWALK CLOSED SIGN WILL BE PLACED UPON ONE BARRICADE FOR EACH APPROACH, NO MORE THAN ONE 5' SECTION OF SIDEWALK RAMP SHALL BE CLOSED LEADING TO THE MAIN BUILDING AT ANY TIME ADJACENT TO THE WORK AREA.

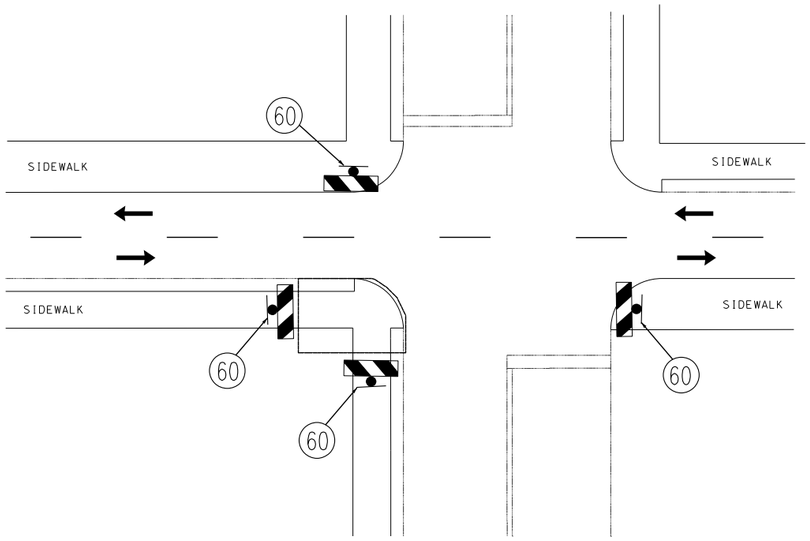
ORANGE PLASTIC SAFETY FENCE



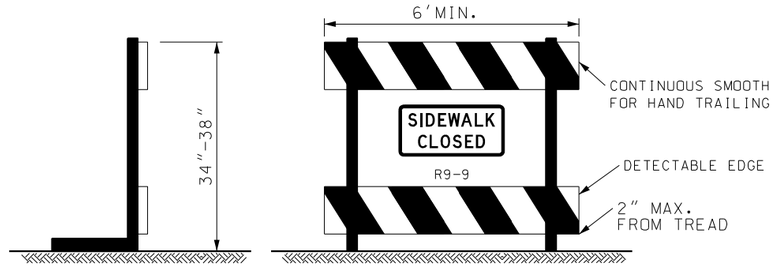
NO DIRECT PAY.
PLASTIC SAFETY NETTING USED FOR BARRICADE FENCING SHALL BE SUPPORTED WITH T-POST. ADEQUATE FOUNDATIONS, AND BALLAST SO THAT THE FENCE REMAINS TAUT AND IN AN UP-RIGHT POSITION.

DUAL-LANE TYPICAL SIDEWALK CLOSURE

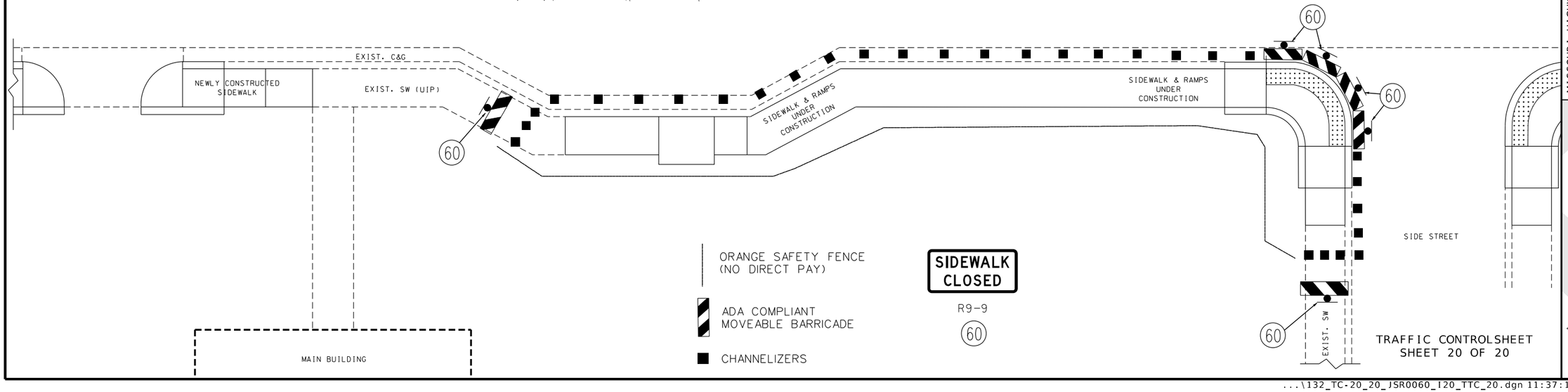
NOT TO SCALE



ADA COMPLIANT MOVEABLE BARRICADE



1. WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLIANT BARRICADES.
2. CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MIN. AND MEET TYPE 3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPLINTERS, BURRS, OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS IS REQUIRED.
3. NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITHIN THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLASTS WILL NEED TO BE BEHIND THE DEVICE.
4. THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.



TRAFFIC CONTROLSHEET
SHEET 20 OF 20

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

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	132

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION	DATE

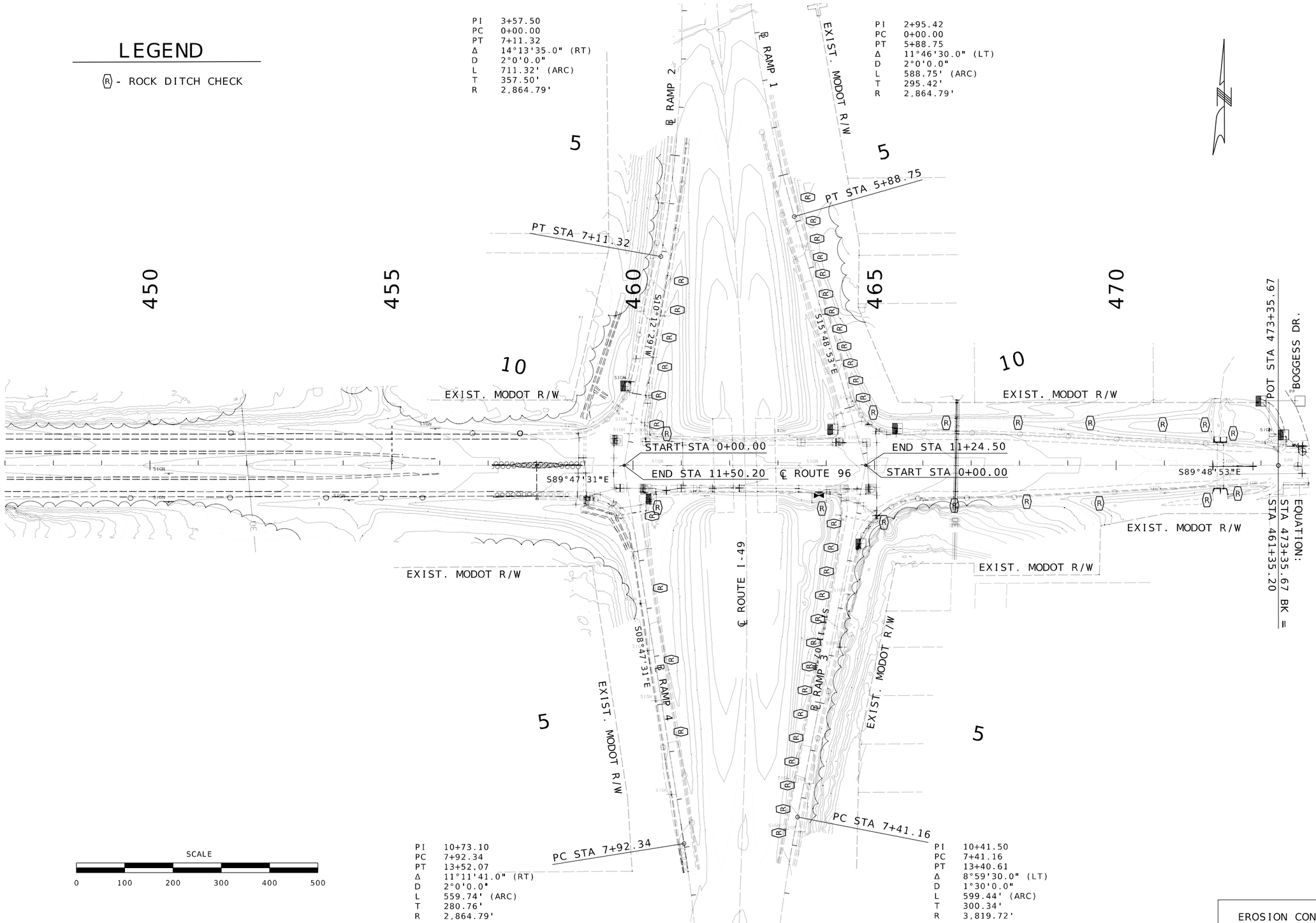
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Carthage, MO 64836
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COA# 00062
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LEGEND

(R) - ROCK DITCH CHECK



EROSION CONTROL
CONSTRUCTION PHASE
SHEET 1 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	133

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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BRIDGE NO.
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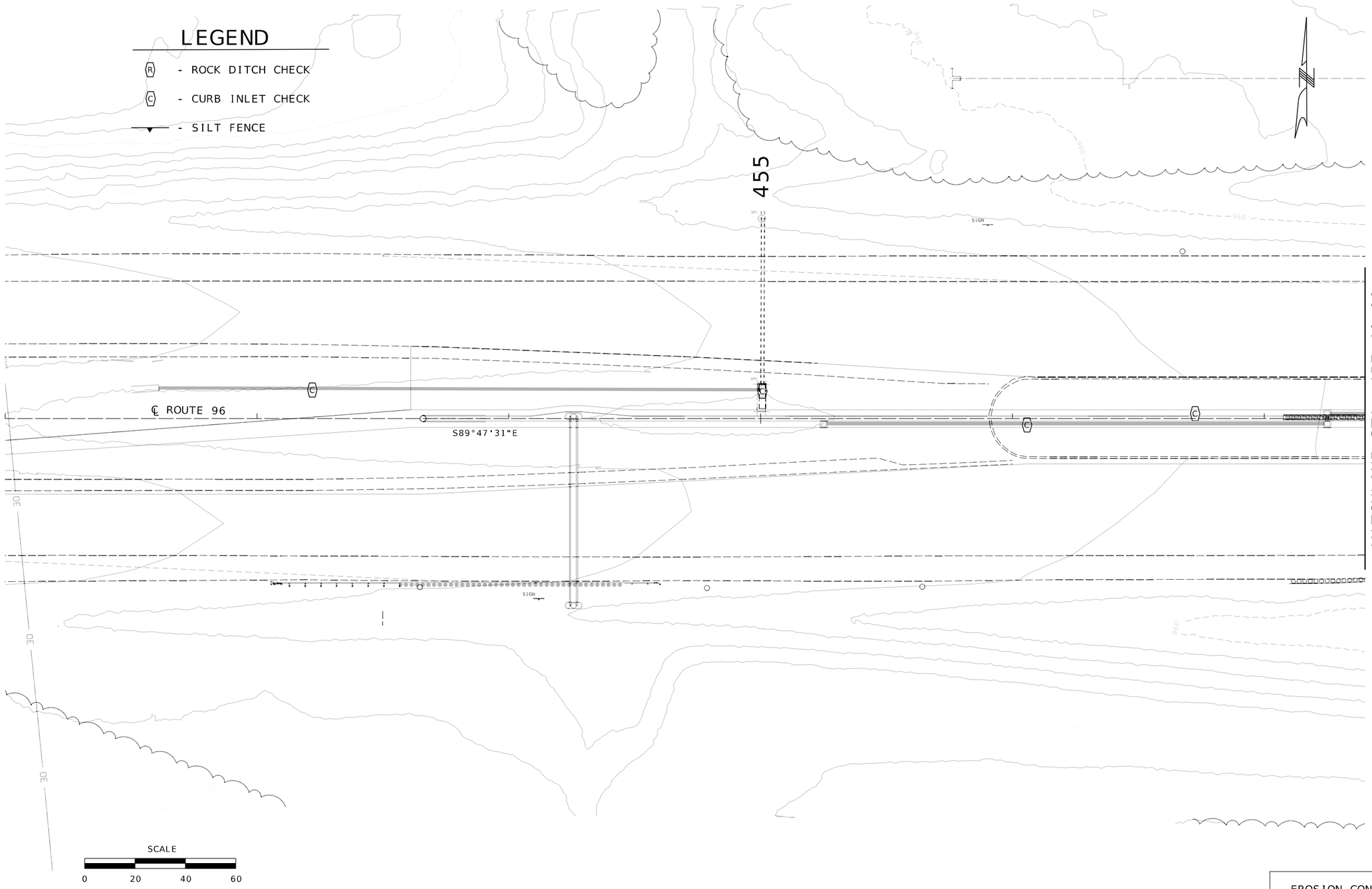
DESCRIPTION	DATE

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

2215 Fairlawn Dr
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Engineering beyond.

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- SILT FENCE



SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 2 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	134

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

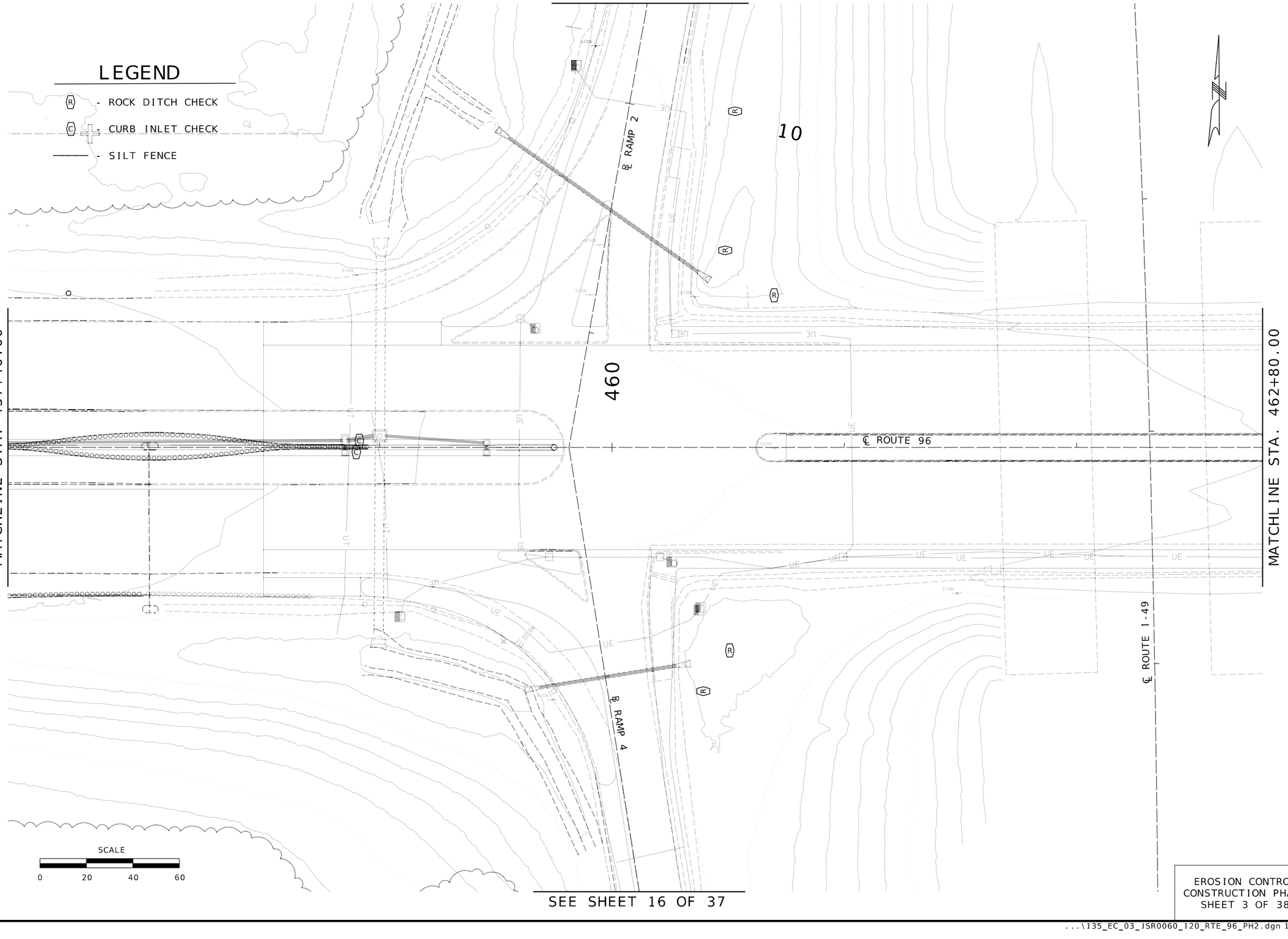
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.

SEE SHEET 15 OF 37

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ---------- - SILT FENCE



SEE SHEET 16 OF 37

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 3 OF 38

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

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	135

COUNTY: JASPER
JOB NO.: JSR0060
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 SHEET 17 OF 37

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE

℄ RAMP 1

℄ RAMP 3

℄ ROUTE 96

10

465

MATCHLINE STA. 462+80.00

MATCHLINE STA. 468+20.00

SCALE

0 20 40 60

SEE SHEET 18 OF 37

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 4 OF 38

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

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	136
COUNTY	
JASPER	
JOB NO.	
JSR0060	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	
-	

DESCRIPTION	DATE

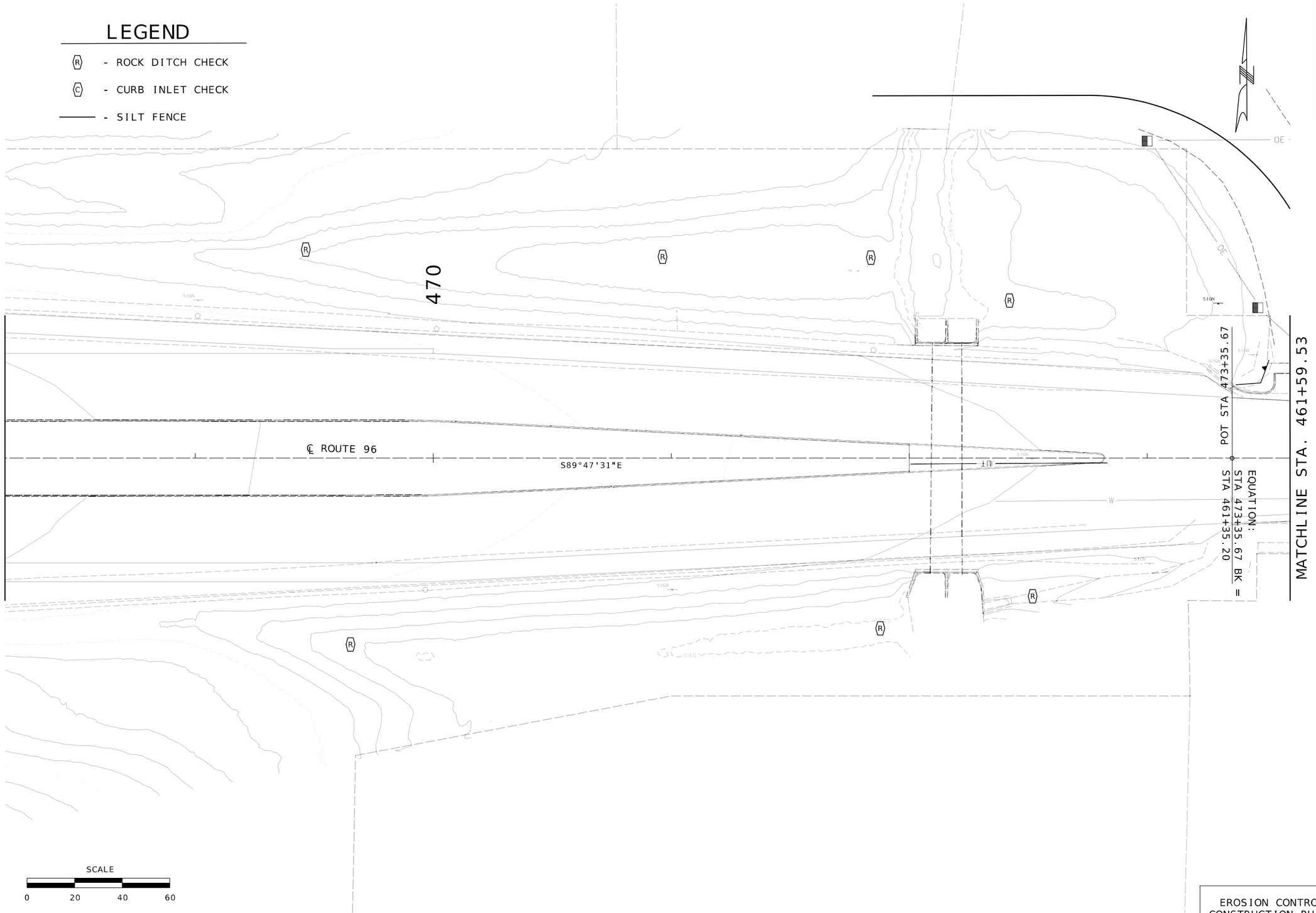
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

- (R) - ROCK DITCH CHECK
- (C) - CURB INLINE CHECK
- ——— - SILT FENCE



EROSION CONTROL
CONSTRUCTION PHASE
SHEET 5 OF 38

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

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	137

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

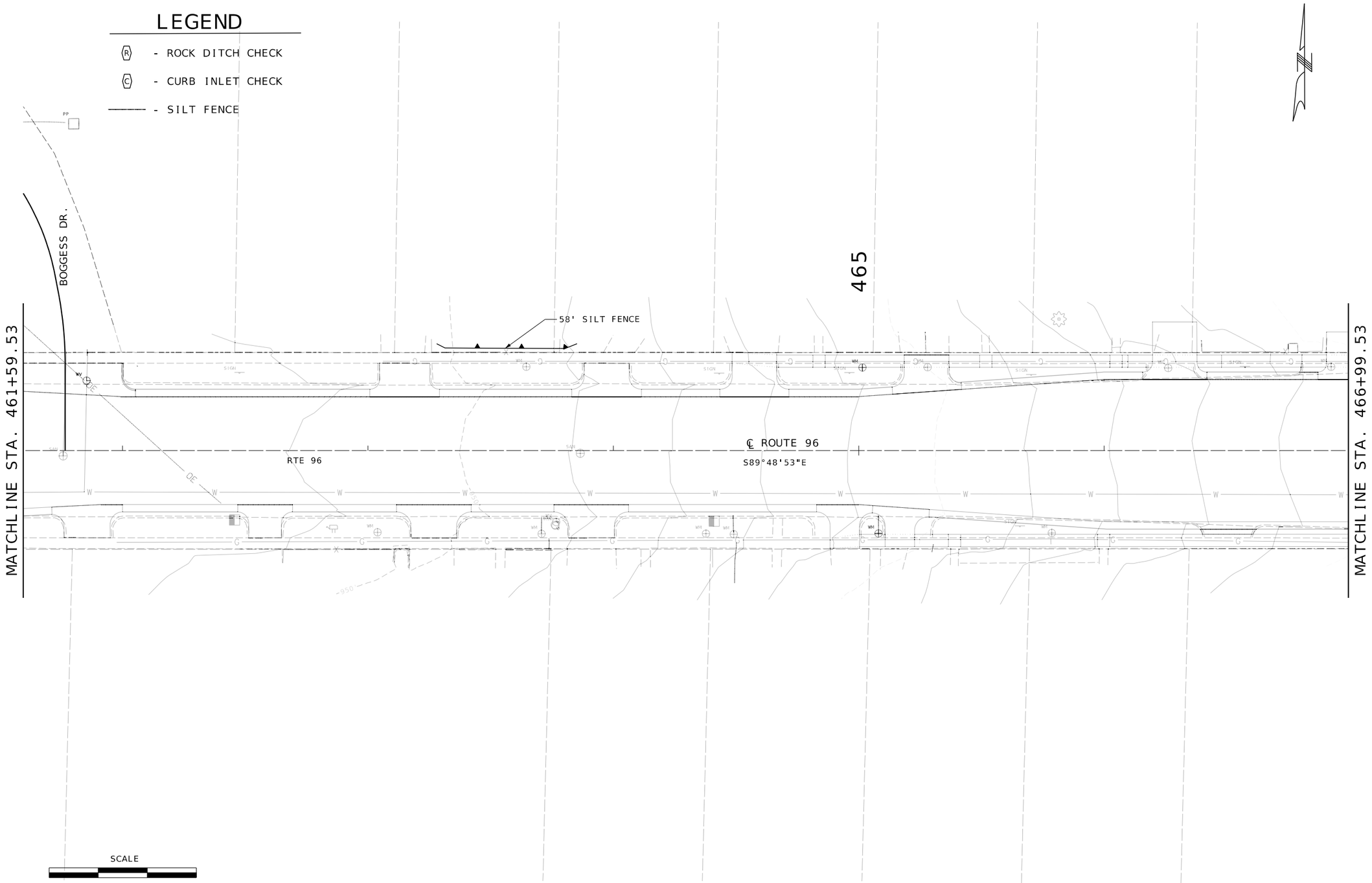
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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.

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ---------- - SILT FENCE



SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 6 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	138

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

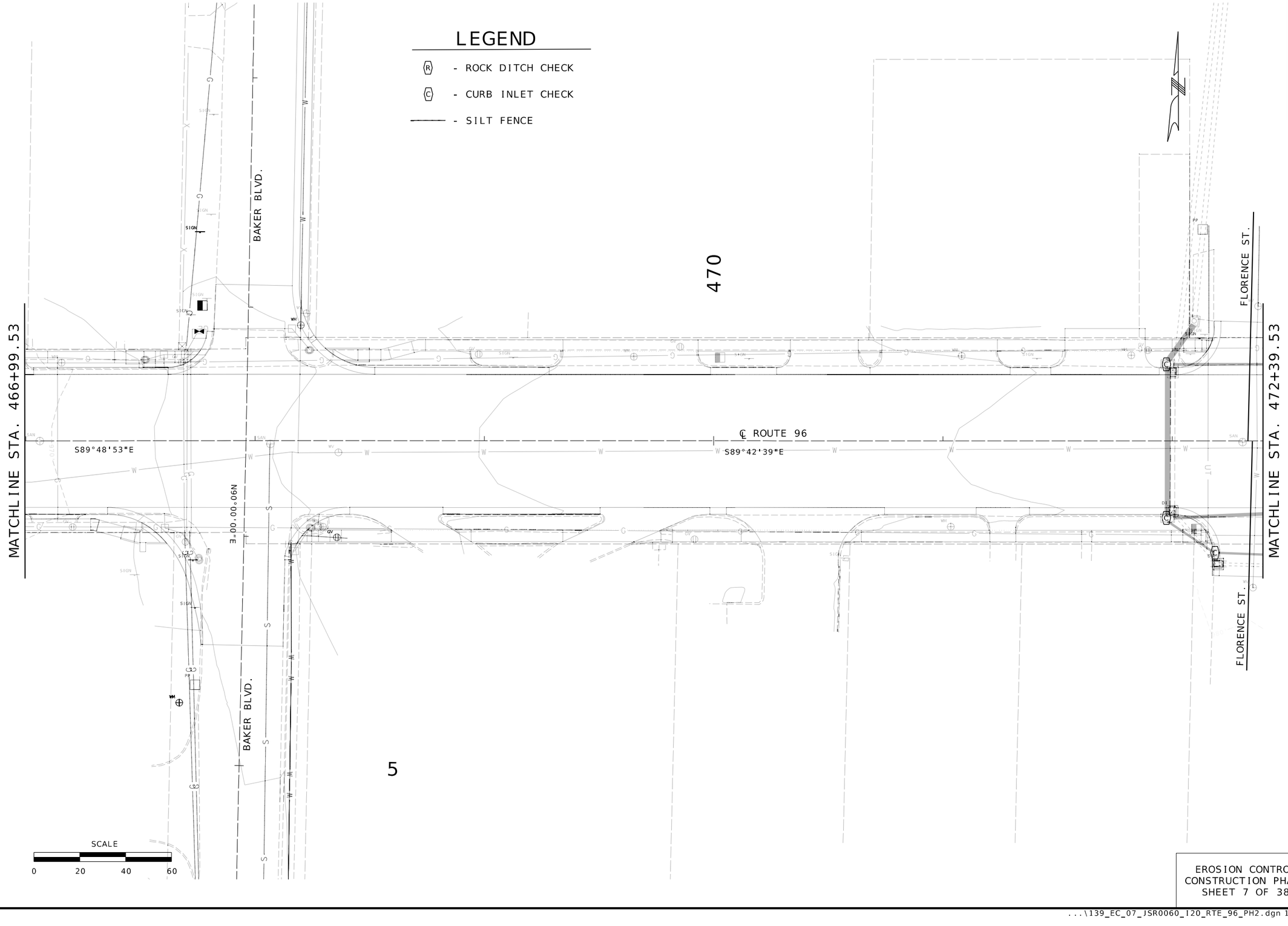
DESCRIPTION	DATE

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.

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE



5

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 7 OF 38

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

DATE PREPARED	9/30/2026
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	139
COUNTY	JASPER
JOB NO.	JSR0060
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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LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ---------- - SILT FENCE

475

18' SILT FENCE

52' SILT FENCE

MATCHLINE STA. 472+39.53

MATCHLINE STA. 477+79.53

℄ ROUTE 96

S89°42'39"E

CENTER ST.

SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 8 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	140

COUNTY
JASPER

JOB NO.
JSR0060

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.

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ---------- - SILT FENCE

480

FRANCIS ST.

32' SILT FENCE

126' SILT FENCE

℄ ROUTE 96

S89°42'39"E

S88°54'37"E

MATCHLINE STA. 477+79.53

MATCHLINE STA. 483+19.53

FRANCIS ST.

3°00'00.06"N

5

SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 9 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	141

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

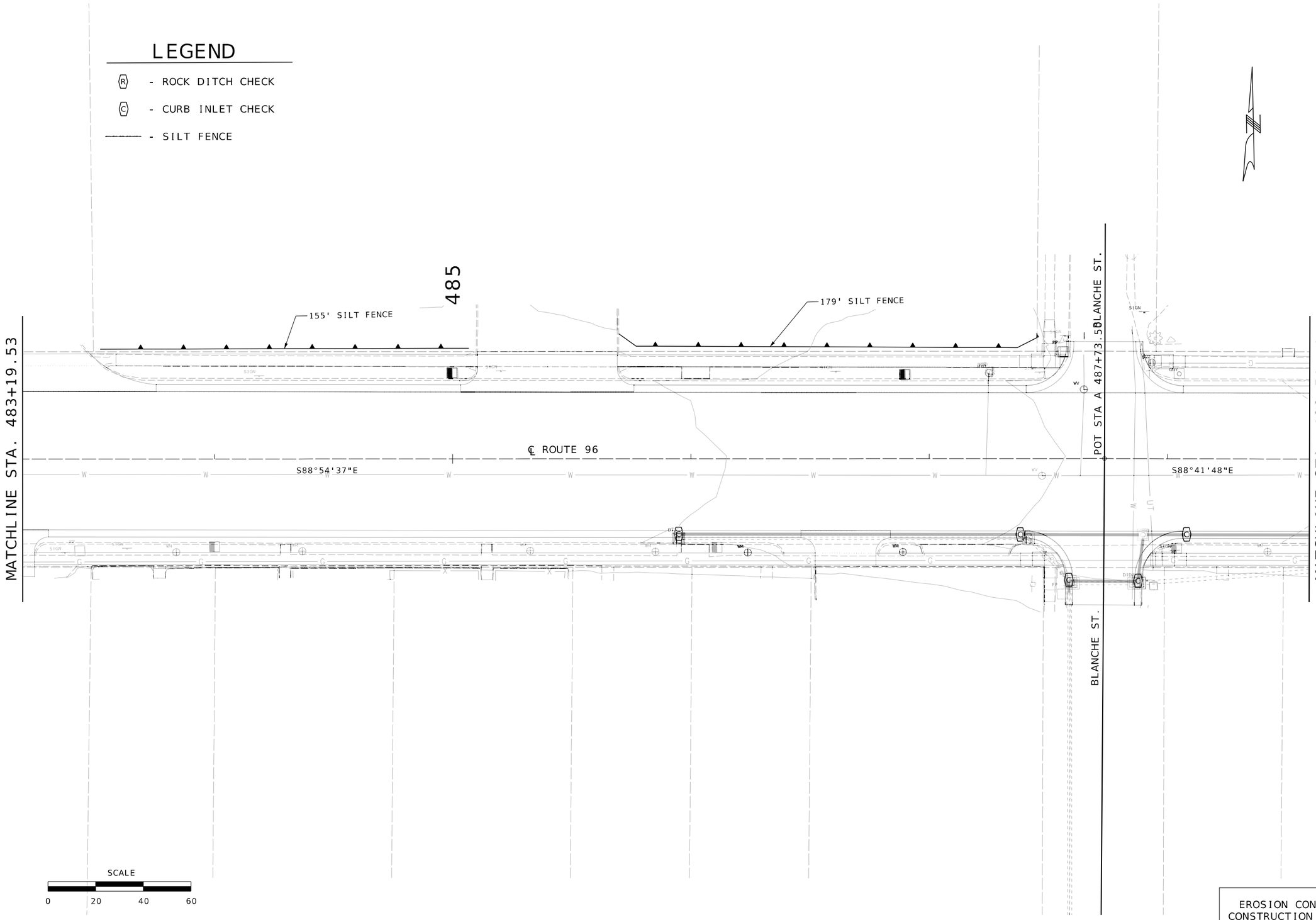
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ---------- - SILT FENCE



EROSION CONTROL
CONSTRUCTION PHASE
SHEET 10 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	142

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

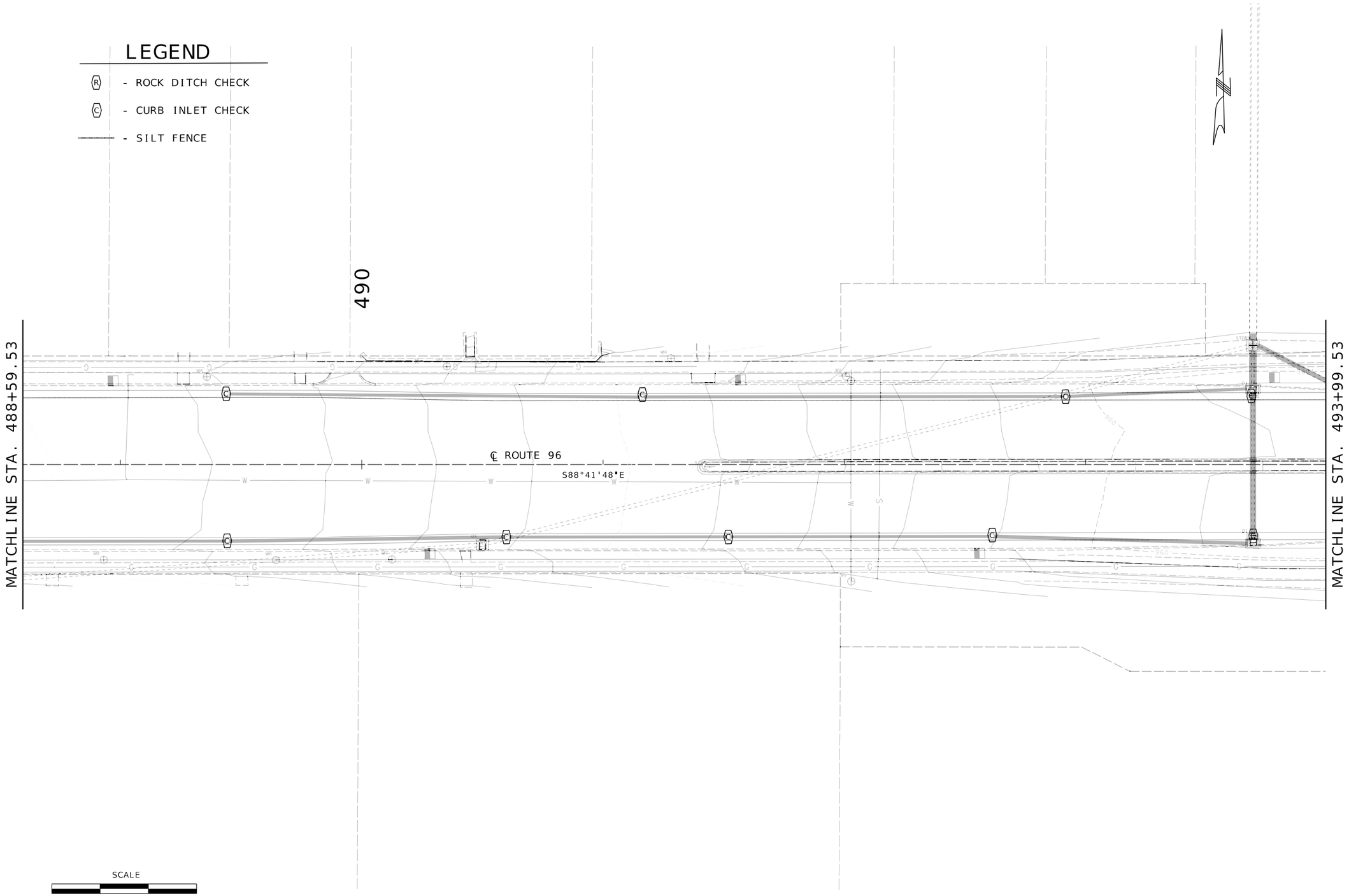
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

...\142_EC_10_JSR0060_I20_RTE_96_PH2.dgn 11:47:47 AM 9/30/2026

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE



SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 11 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	143

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

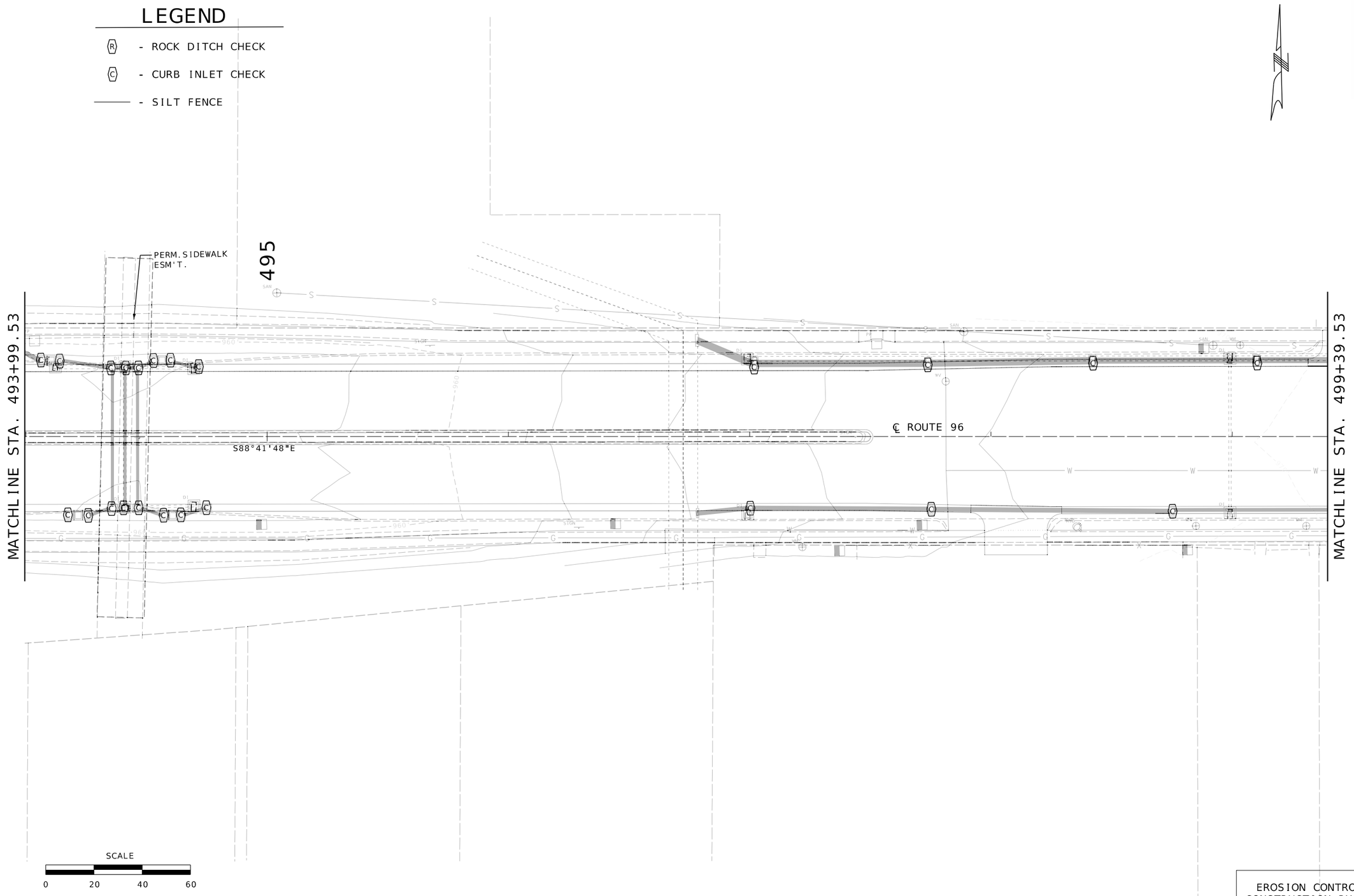
DESCRIPTION	DATE

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

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE



SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 12 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	144

COUNTY
JASPER

JOB NO.
JSR0060

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.

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE

500

MATCHLINE STA. 499+39.53

℄ ROUTE 96

S88°41'48"E

McGREGOR ST.

POT STA A 502+23.50

McGREGOR ST.

S88°42'11"E

MATCHLINE STA. 504+79.53

SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 13 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	145

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

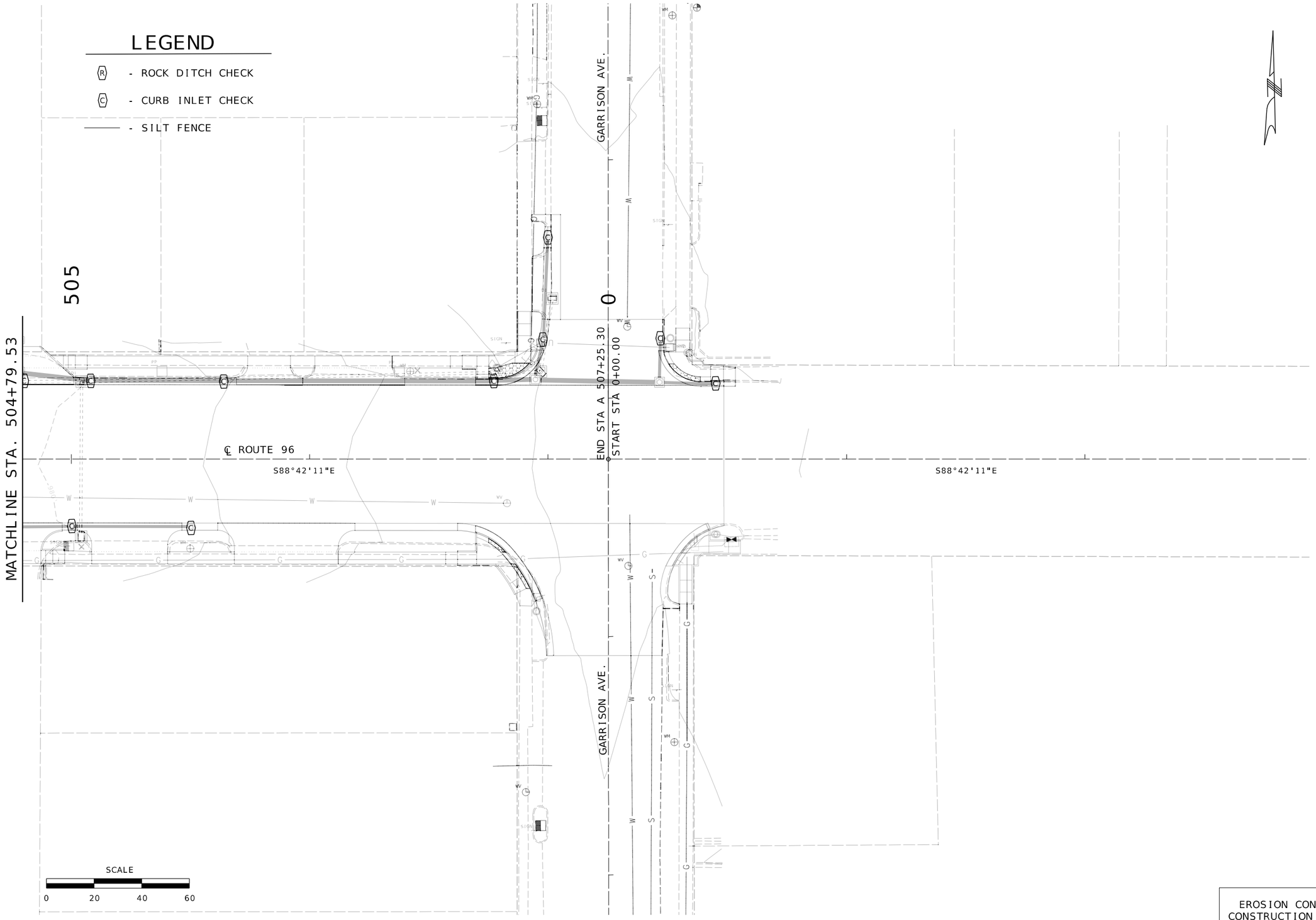
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

OWN
Engineering beyond.

LEGEND

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE



EROSION CONTROL
CONSTRUCTION PHASE
SHEET 14 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	146

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

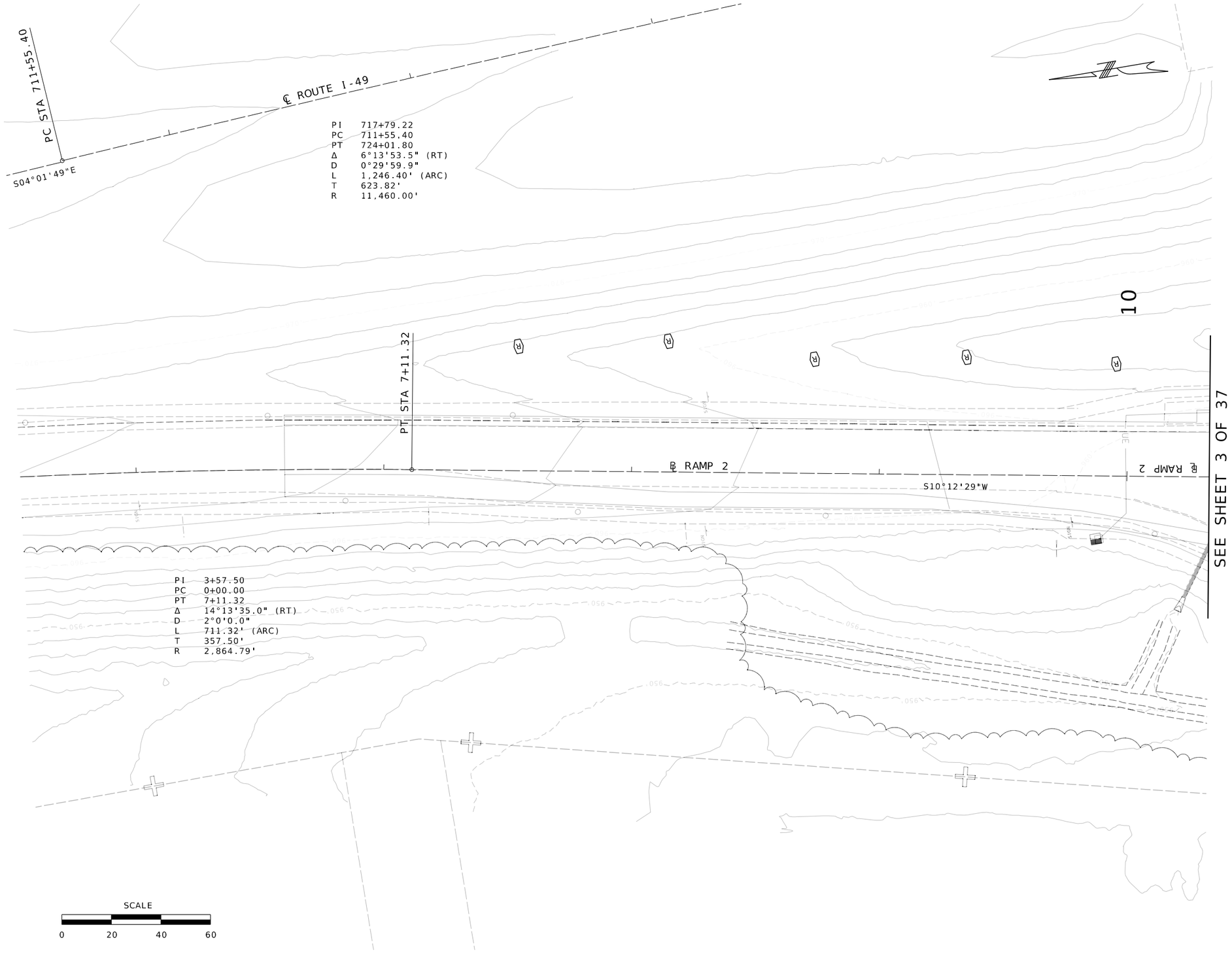
BRIDGE NO.
-

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 SHEET 10 OF 37

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 15 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	147

COUNTY
JASPER

JOB NO.
JSR0060

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

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- ——— - SILT FENCE

PI 717+79.22
PC 711+55.40
PT 724+01.80
Δ 6°13'53.5" (RT)
D 0°29'59.9"
L 1,246.40' (ARC)
T 623.82'
R 11,460.00'

℄ ROUTE I-49

5

℄ RAMP 4

S08°47'31"E

SEE SHEET 3 OF 37

SCALE
0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 16 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	148

COUNTY
JASPER

JOB NO.
JSR0060

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

(R) - ROCK DITCH CHECK

(C) - CURB INLET CHECK

——— - SILT FENCE

5

PI 2+95.42
PC 0+00.00
PT 5+88.75
Δ 11°46'30.0" (LT)
D 2°0'0.0"
L 588.75' (ARC)
T 295.42'
R 2,864.79'

PT STA 5+88.75

℄ RAMP 1

S15°48'53"E

SEE SHEET 4 OF 37

715

PC STA 711+55.40

S04°01'49"E

℄ ROUTE I-49

PI 717+79.22
PC 711+55.40
PT 724+01.80
Δ 6°13'53.5" (RT)
D 0°29'59.9"
L 1,246.40' (ARC)
T 623.82'
R 11,460.00'

SCALE

0 20 40 60

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 17 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	149

COUNTY
JASPER

JOB NO.
JSR0060

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

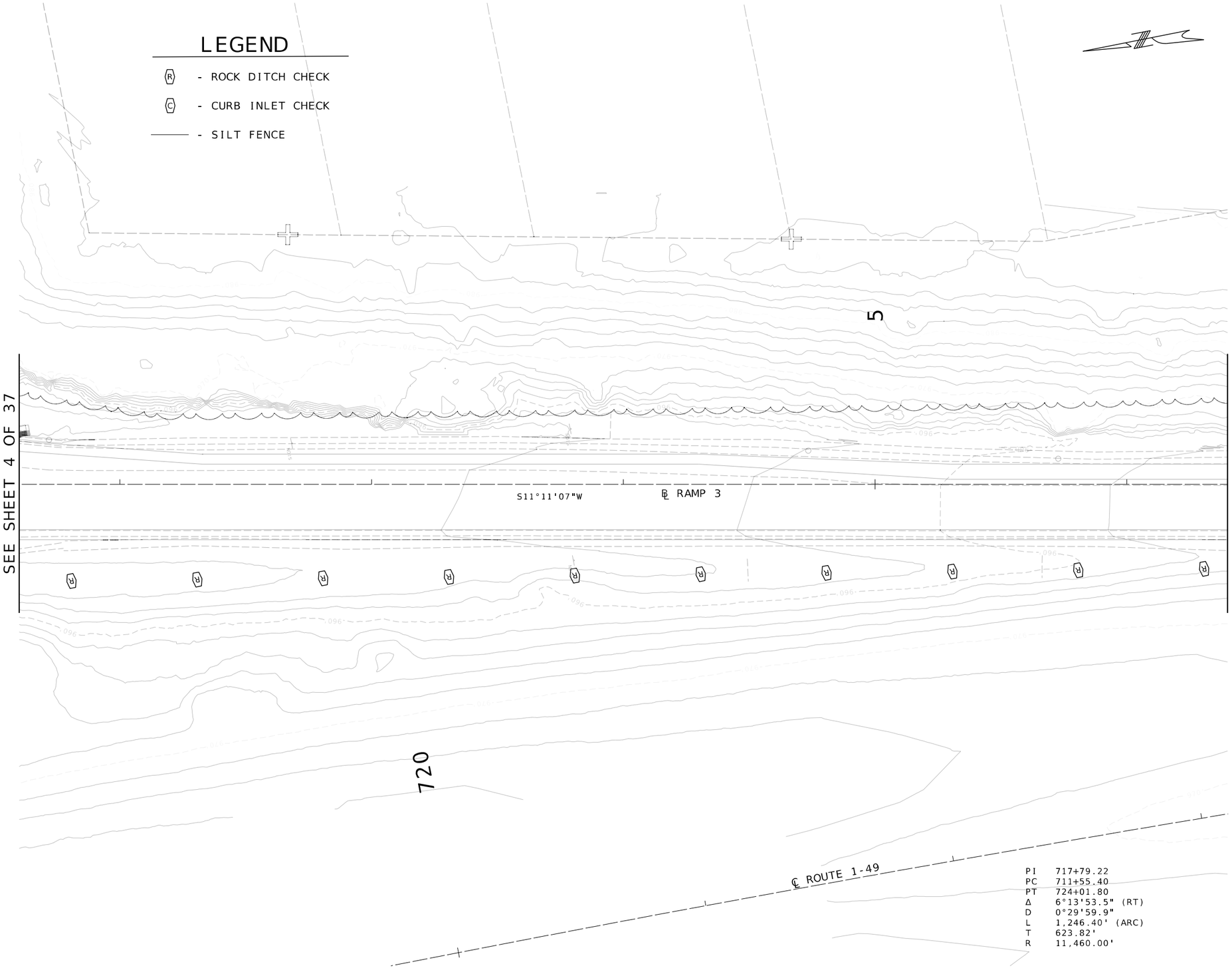
OWN
Engineering beyond.

LEGEND

(R) - ROCK DITCH CHECK

(C) - CURB INLET CHECK

——— - SILT FENCE



EROSION CONTROL
CONSTRUCTION PHASE
SHEET 18 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	150

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

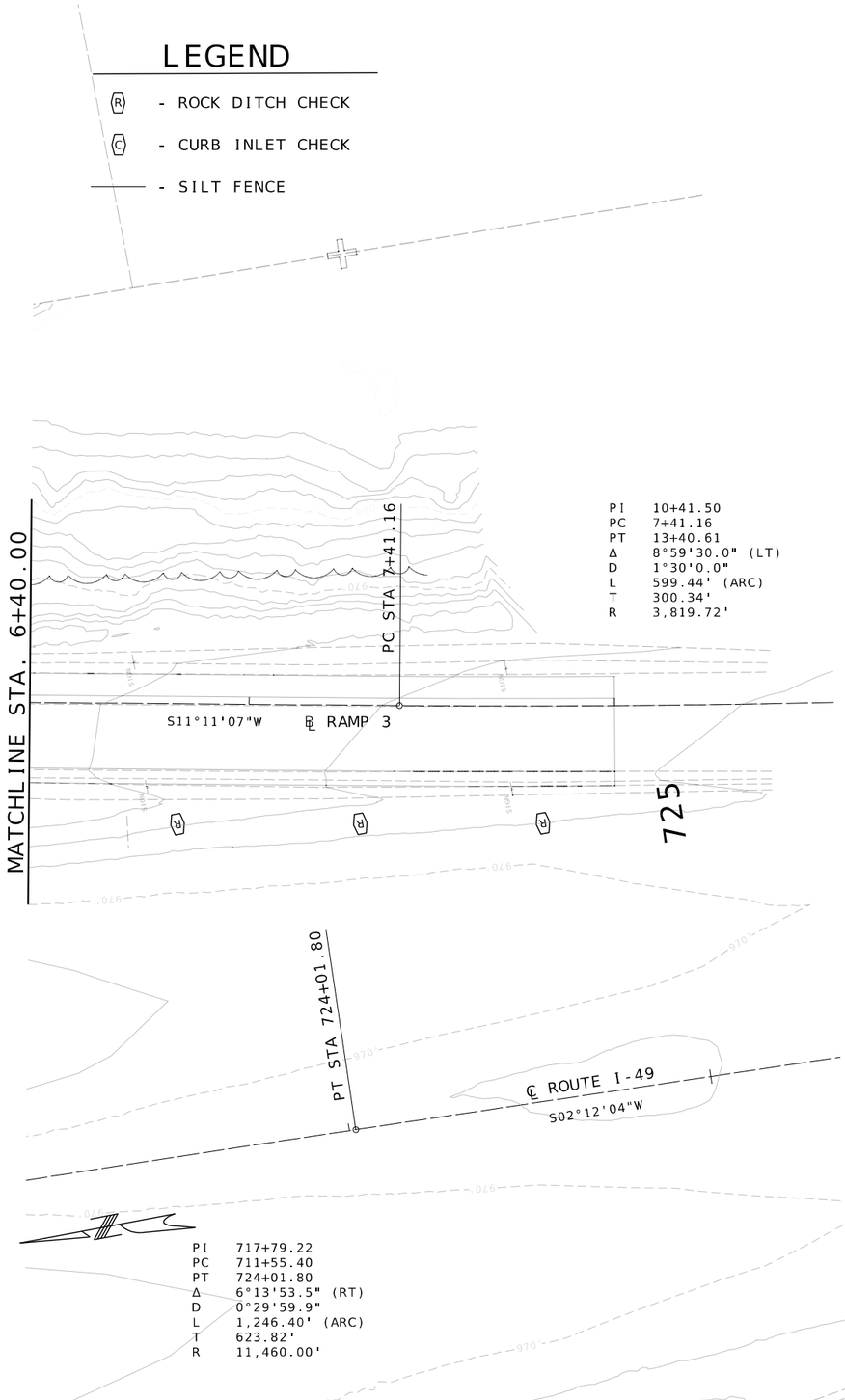
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

- (R) - ROCK DITCH CHECK
- (C) - CURB INLET CHECK
- SILT FENCE



PI	10+41.50
PC	7+41.16
PT	13+40.61
Δ	8°59'30.0" (LT)
D	1°30'0.0"
L	599.44' (ARC)
T	300.34'
R	3,819.72'

PI	717+79.22
PC	711+55.40
PT	724+01.80
Δ	6°13'53.5" (RT)
D	0°29'59.9"
L	1,246.40' (ARC)
T	623.82'
R	11,460.00'

EROSION CONTROL
CONSTRUCTION PHASE
SHEET 19 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	151

COUNTY
JASPER

JOB NO.
JSR0060

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

- SEEDING AND MULCH

455

302 SQYD
SEED AND MULCH

℄ ROUTE 96

MATCHLINE STA. 457+40.00

107 SQYD
SEED AND MULCH

7 SQYD
SEED AND MULCH

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 20 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	152

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

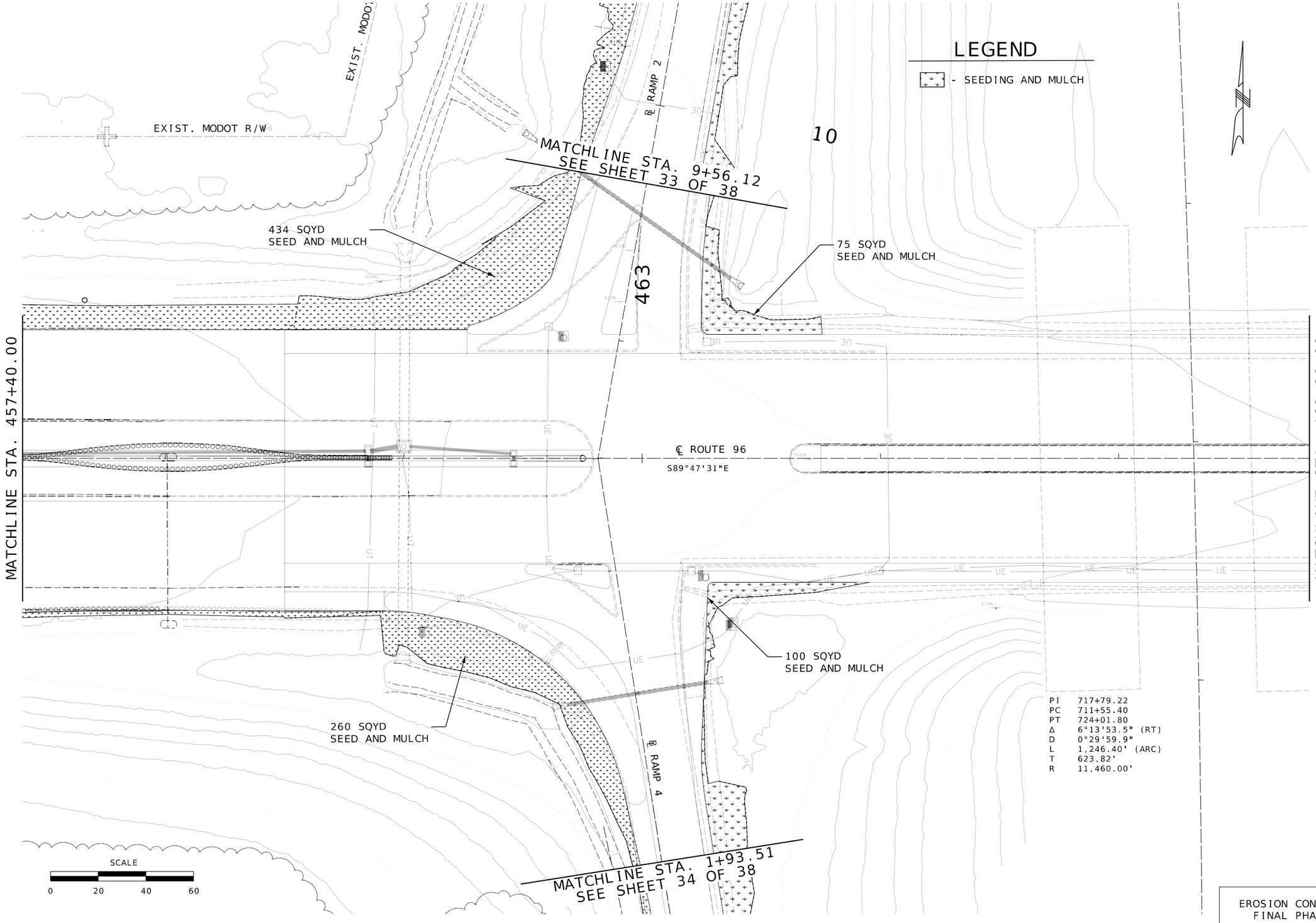
DESCRIPTION	DATE

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 717+79.22
PC 711+55.40
PT 724+01.80
Δ 6°13'53.5" (RT)
D 0°29'59.9"
L 1,246.40' (ARC)
T 623.82'
R 11,460.00'

EROSION CONTROL
FINAL PHASE
SHEET 21 OF 38

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

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 153
COUNTY JASPER
JOB NO. JSR0060
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

- SEEDING AND MULCH

MATCHLINE STA. 9+31.37
SEE SHEET 36 OF 38

℄ RAMP 1

47 SQYD
SEED AND MULCH

219 SQYD
SEED AND MULCH

EXIST. MODOT R/W

468

10

MATCHLINE STA. 462+80.00

MATCHLINE STA. 468+20.00

℄ ROUTE 96

105 SQYD
SEED AND MULCH

℄ RAMP 3

28 SQYD
SEED AND MULCH

MATCHLINE STA. 1+60.00
SEE SHEET 37 OF 38

SCALE
0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 22 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	154

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

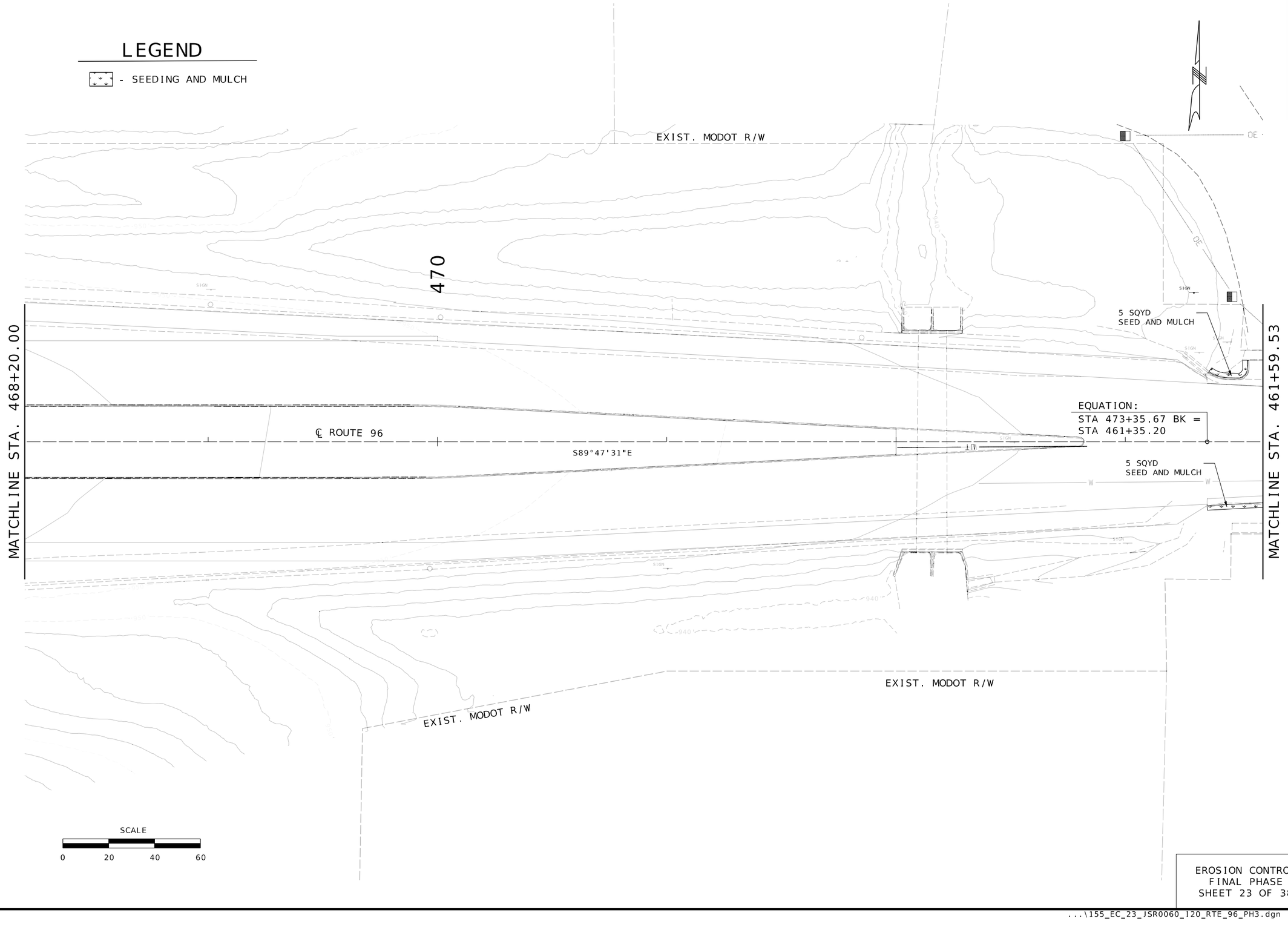
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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Engineering beyond.

LEGEND

- SEEDING AND MULCH



EROSION CONTROL
FINAL PHASE
SHEET 23 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	155

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

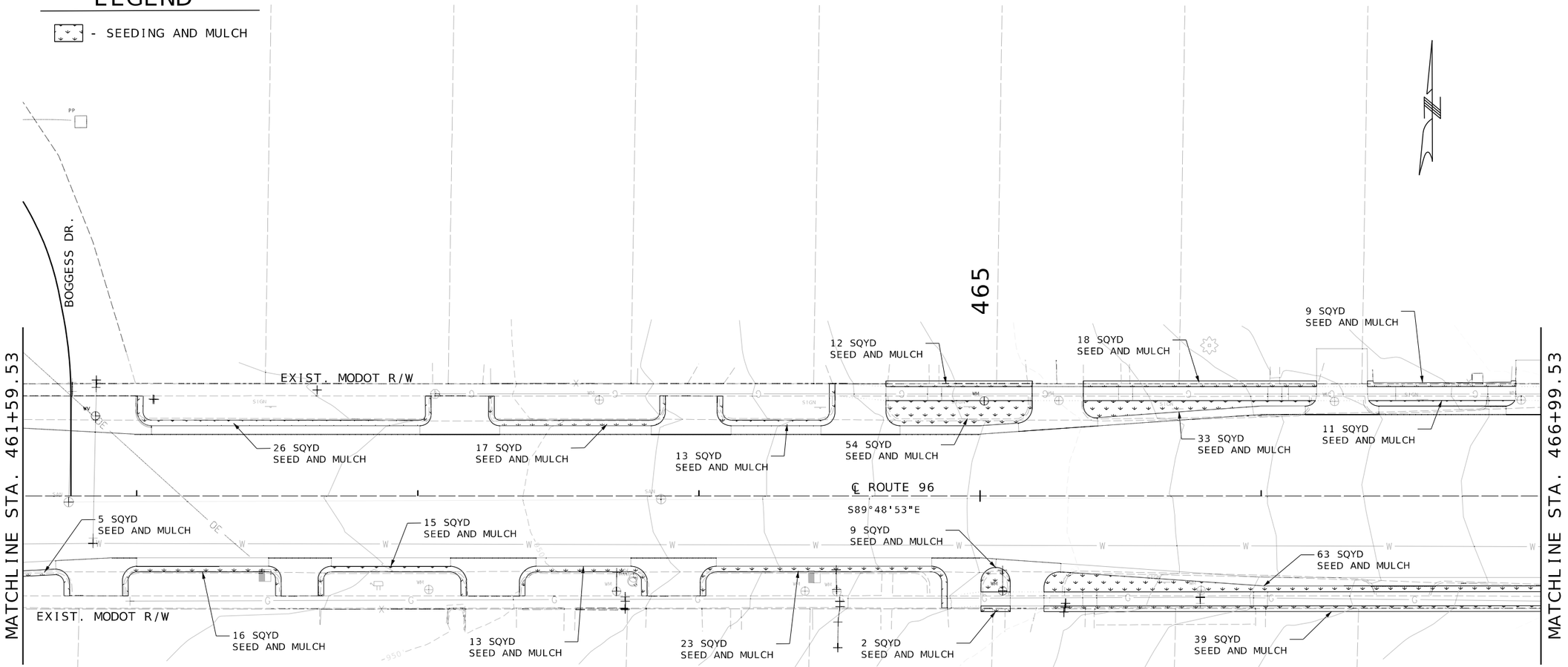
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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LEGEND

- SEEDING AND MULCH



SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 24 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	156

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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LEGEND

- SEEDING AND MULCH

MATCHLINE STA. 466+99.53

MATCHLINE STA. 472+39.53

EXIST. CITY R/W

BAKER BLVD.

POT STA A 467+96.00

FLORENCE ST.

EXIST. MODOT R/W

℄ ROUTE 96

S89°48'53"E

S89°42'39"E

470

19 SQYD SEED AND MULCH

12 SQYD SEED AND MULCH

15 SQYD SEED AND MULCH

24 SQYD SEED AND MULCH

61 SQYD SEED AND MULCH

30 SQYD SEED AND MULCH

7 SQYD SEED AND MULCH

7 SQYD SEED AND MULCH

21 SQYD SEED AND MULCH

17 SQYD SEED AND MULCH

21 SQYD SEED AND MULCH

42 SQYD SEED AND MULCH

14 SQYD SEED AND MULCH

59 SQYD SEED AND MULCH

3.00.00.06N

SCALE

0 20 40 60

5

EROSION CONTROL
FINAL PHASE
SHEET 25 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	157

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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LEGEND

- SEEDING AND MULCH

MATCHLINE STA. 472+39.53

MATCHLINE STA. 477+79.53

EXIST. CITY R/W

475

EXIST. MODOT R/W

EXIST. MODOT R/W

℄ ROUTE 96

S89°42'39"E

5 SQYD SEED AND MULCH

40 SQYD SEED AND MULCH

13 SQYD SEED AND MULCH

51 SQYD SEED AND MULCH

5 SQYD SEED AND MULCH

64 SQYD SEED AND MULCH

25 SQYD SEED AND MULCH

95 SQYD SEED AND MULCH

29 SQYD SEED AND MULCH

15 SQYD SEED AND MULCH

135 SQYD SEED AND MULCH

22 SQYD SEED AND MULCH

16 SQYD SEED AND MULCH

13 SQYD SEED AND MULCH

9 SQYD SEED AND MULCH

5 SQYD SEED AND MULCH

43 SQYD SEED AND MULCH

2 SQYD SEED AND MULCH

13 SQYD SEED AND MULCH

3 SQYD SEED AND MULCH

9 SQYD SEED AND MULCH

CENTER ST.

EXIST. CITY R/W

EXIST. CITY R/W

EXIST. CITY R/W

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 26 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	158

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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LEGEND

- SEEDING AND MULCH

480

EXIST. CITY R/W

FRANCIS ST.

EXIST. CITY R/W

EXIST. MODOT R/W

POT STA A 481+20.70

MATCHLINE STA. 477+79.53

MATCHLINE STA. 483+19.53

℄ ROUTE 96

S89°42'39"E

S88°54'37"E

32 SQYD SEED AND MULCH

35 SQYD SEED AND MULCH

11 SQYD SEED AND MULCH

13 SQYD SEED AND MULCH

29 SQYD SEED AND MULCH

75 SQYD SEED AND MULCH

49 SQYD SEED AND MULCH

84 SQYD SEED AND MULCH

130 SQYD SEED AND MULCH

9 SQYD SEED AND MULCH

11 SQYD SEED AND MULCH

6 SQYD SEED AND MULCH

8 SQYD SEED AND MULCH

3 SQYD SEED AND MULCH

33 SQYD SEED AND MULCH

16 SQYD SEED AND MULCH

13 SQYD SEED AND MULCH

55 SQYD SEED AND MULCH

4 SQYD SEED AND MULCH

EXIST. MODOT R/W

EXIST. MODOT R/W

FRANCIS ST.

N90°00'06"W

EXIST. CITY R/W

EXIST. CITY R/W

SCALE

0 20 40 60

5

EROSION CONTROL
FINAL PHASE
SHEET 27 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	159

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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LEGEND

- SEEDING AND MULCH

MATCHLINE STA. 483+19.53

MATCHLINE STA. 488+59.53

485

EXIST. CITY R/W

BLANCHE ST.

EXIST. CITY R/W

EXIST. MODOT R/W

EXIST. MODOT R/W

36 SQYD
SEED AND MULCH

127 SQYD
SEED AND MULCH

41 SQYD
SEED AND MULCH

153 SQYD
SEED AND MULCH

13 SQYD
SEED AND MULCH

52 SQYD
SEED AND MULCH

℄ ROUTE 96

S88°54'37"E

S88°41'48"E

49 SQYD
SEED AND MULCH

43 SQYD
SEED AND MULCH

5 SQYD
SEED AND MULCH

234 SQYD
SEED AND MULCH

22 SQYD
SEED AND MULCH

6 SQYD
SEED AND MULCH

10 SQYD
SEED AND MULCH

8 SQYD
SEED AND MULCH

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 28 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	160

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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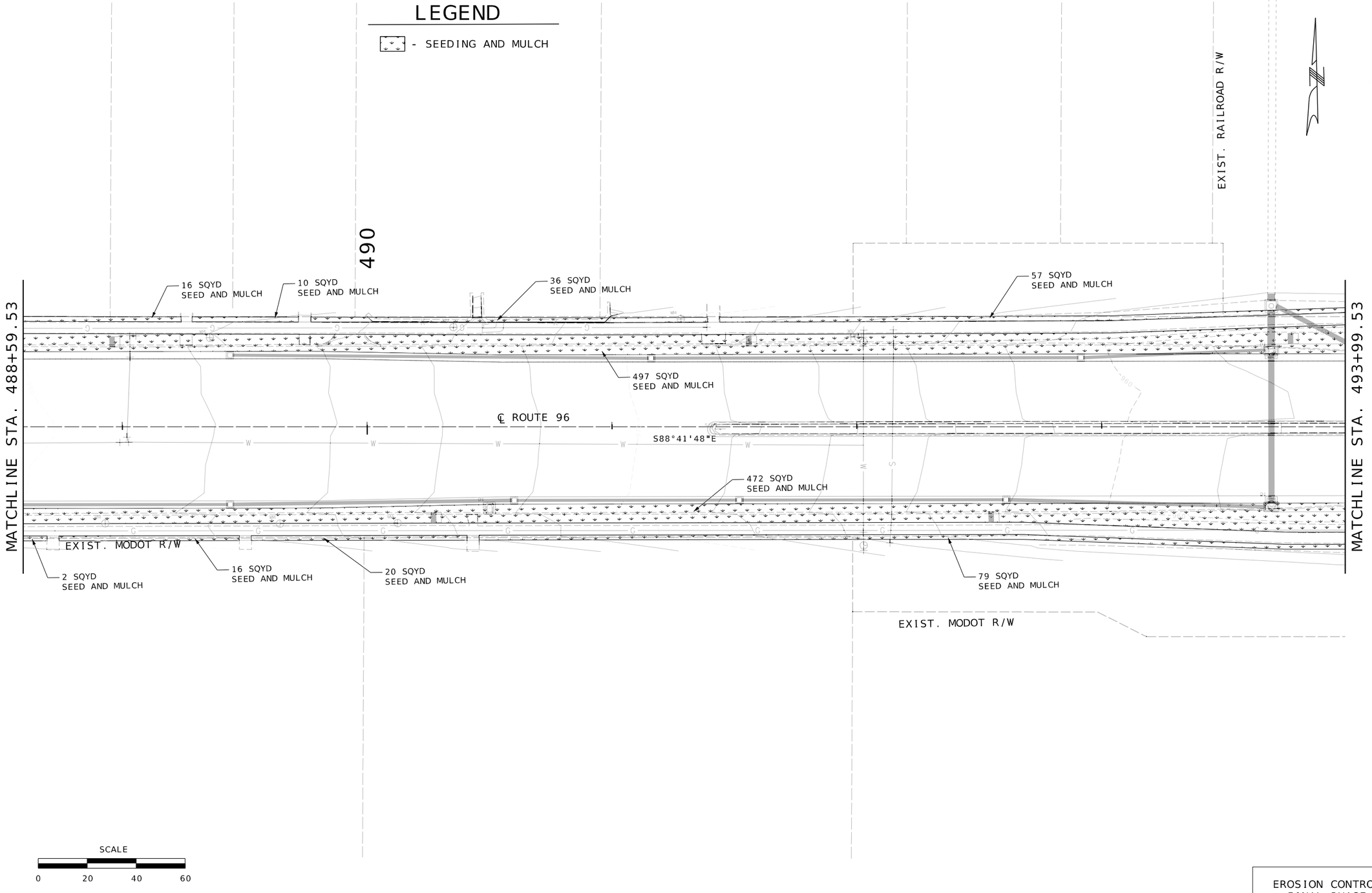
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COA# 00062
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LEGEND

- SEEDING AND MULCH



SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 29 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	161

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
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PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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2215 Fairlawn Dr
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LEGEND

- SEEDING AND MULCH

EXIST. RAILROAD R/W

495

PERM. SIDEWALK ESM'T.

106 SQYD SEED AND MULCH

537 SQYD SEED AND MULCH

MATCHLINE STA. 493+99.53

MATCHLINE STA. 499+39.53

℄ ROUTE 96

S88°41'48"E

429 SQYD SEED AND MULCH

85 SQYD SEED AND MULCH

88 SQYD SEED AND MULCH

5 SQYD SEED AND MULCH

4 SQYD SEED AND MULCH

EXIST. MODOT R/W

EXIST. RAILROAD R/W

EXIST. RAILROAD R/W

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 30 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	162

COUNTY
JASPER

JOB NO.
JSR0060

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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LEGEND

- SEEDING AND MULCH

500

MATCHLINE STA. 499+39.53

MATCHLINE STA. 504+79.53

POT STA A 502+23.50

McGREGOR ST.

EXIST. CITY R/W

EXIST. MODOT R/W

℄ ROUTE 96

S88°41'48"E

S88°42'11"E

4 SQYD SEED AND MULCH

142 SQYD SEED AND MULCH

8 SQYD SEED AND MULCH

45 SQYD SEED AND MULCH

111 SQYD SEED AND MULCH

48 SQYD SEED AND MULCH

19 SQYD SEED AND MULCH

16 SQYD SEED AND MULCH

7 SQYD SEED AND MULCH

49 SQYD SEED AND MULCH

6 SQYD SEED AND MULCH

39 SQYD SEED AND MULCH

121 SQYD SEED AND MULCH

11 SQYD SEED AND MULCH

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 31 OF 38

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	163
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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LEGEND

- SEEDING AND MULCH

EXIST. CITY R/W

505

18 SQYD
SEED AND MULCH

4 SQYD
SEED AND MULCH

32 SQYD
SEED AND MULCH

15 SQYD
SEED AND MULCH

8 SQYD
SEED AND MULCH

7 SQYD
SEED AND MULCH

EXIST. CITY R/W

GARRISON AVE.

EXIST. CITY R/W

8 SQYD
SEED AND MULCH

EXIST. MODOT R/W

END STA A 507+25.30
START STA 0+00.00

℄ ROUTE 96

S88°42'11"E

S88°42'11"E

MATCHLINE STA. 504+79.53

17 SQYD
SEED AND MULCH

26 SQYD
SEED AND MULCH

56 SQYD
SEED AND MULCH

EXIST. CITY R/W

EXIST. CITY R/W

GARRISON AVE.

EXIST. CITY R/W

EXIST. MODOT R/W

7 SQYD
SEED AND MULCH

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 32 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	164

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

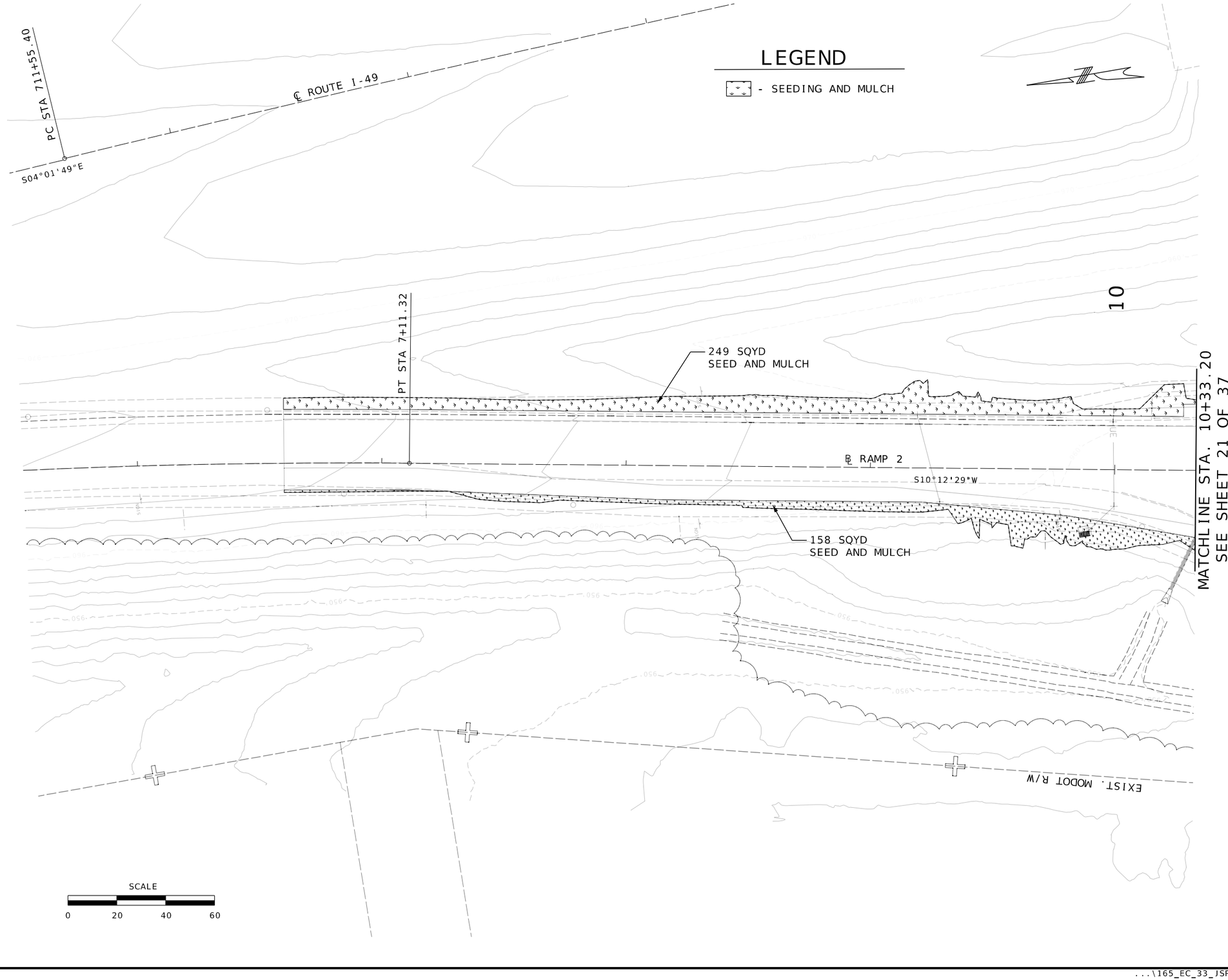
DESCRIPTION	DATE

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EROSION CONTROL
FINAL PHASE
SHEET 33 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	165

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

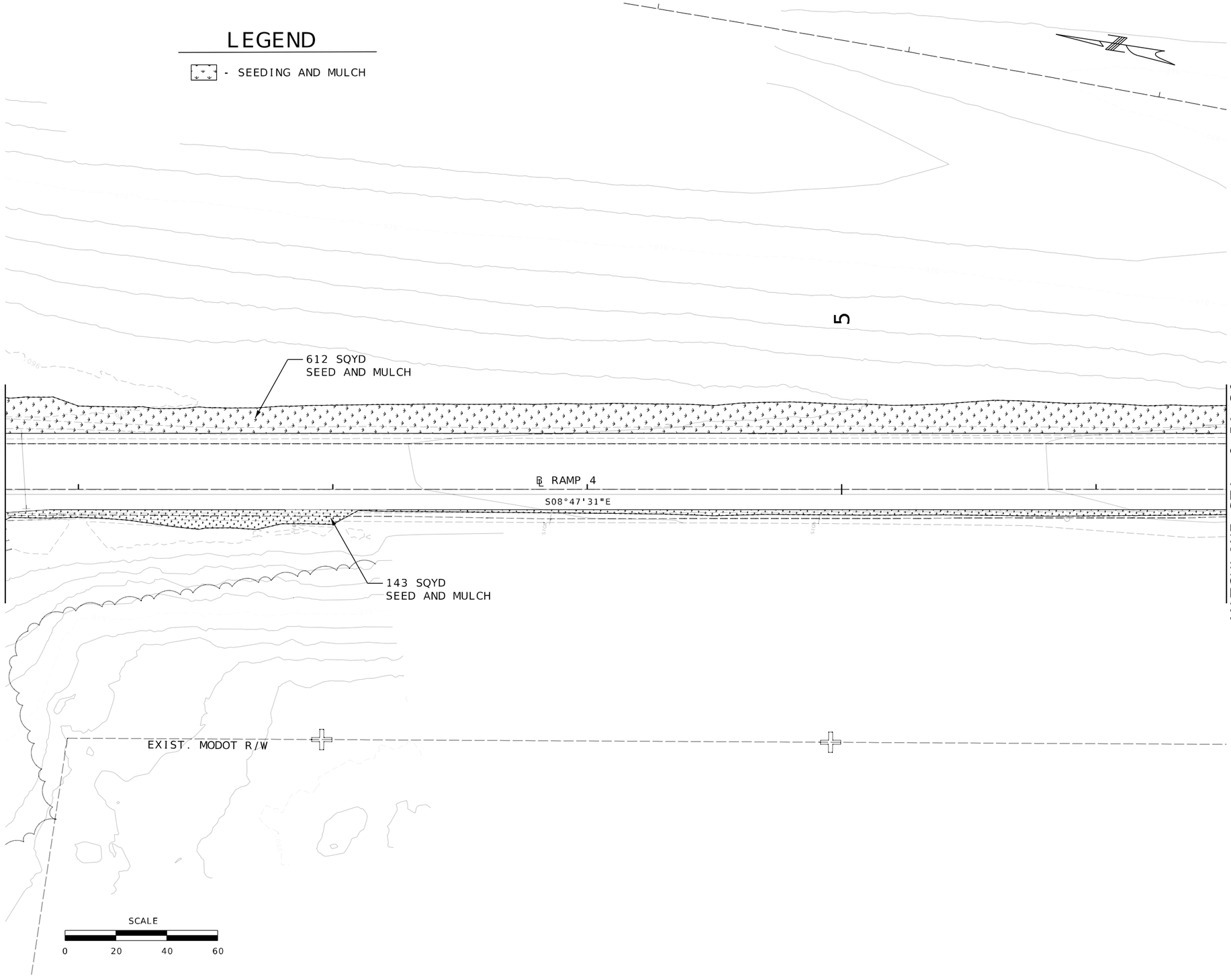
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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1-888-ASK-MODOT (1-888-275-6636)

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LEGEND

- SEEDING AND MULCH



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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	166

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

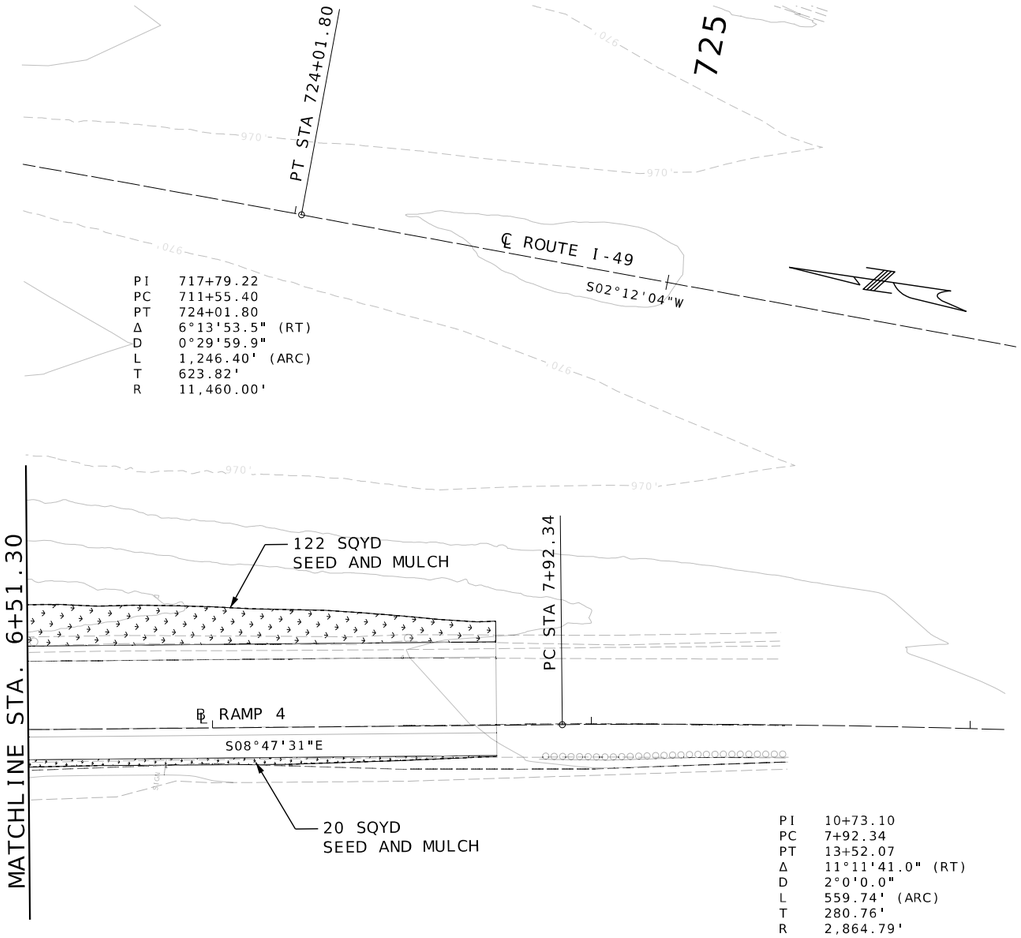
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EROSION CONTROL
FINAL PHASE
SHEET 34 OF 38

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SCALE
0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 35 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	166A

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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LEGEND

- SEEDING AND MULCH

5

PT STA 5+88.75

95 SQYD
SEED AND MULCH

℄ RAMP I

S15°48'53"E

MATCHLINE STA. 9+31.37
SEE SHEET 22 OF 38

EX

212 SQYD
SEED AND MULCH

PC STA 711+55.40

S04°01'49"E

℄ ROUTE I-49

715

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 36 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	167

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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Engineering beyond.

LEGEND

- SEEDING AND MULCH

EXIST. MODOT R/W

EXIST. MODOT R/W

5

80 SQYD
SEED AND MULCH

℄ RAMP 3

S11°11'07"W

MATCHLINE STA. 1+60.00
SEE SHEET 22 OF 37

MATCHLINE STA. 6+40.00

645 SQYD
SEED AND MULCH

720

℄ ROUTE I-49

SCALE

0 20 40 60

EROSION CONTROL
FINAL PHASE
SHEET 37 OF 38

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	168

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

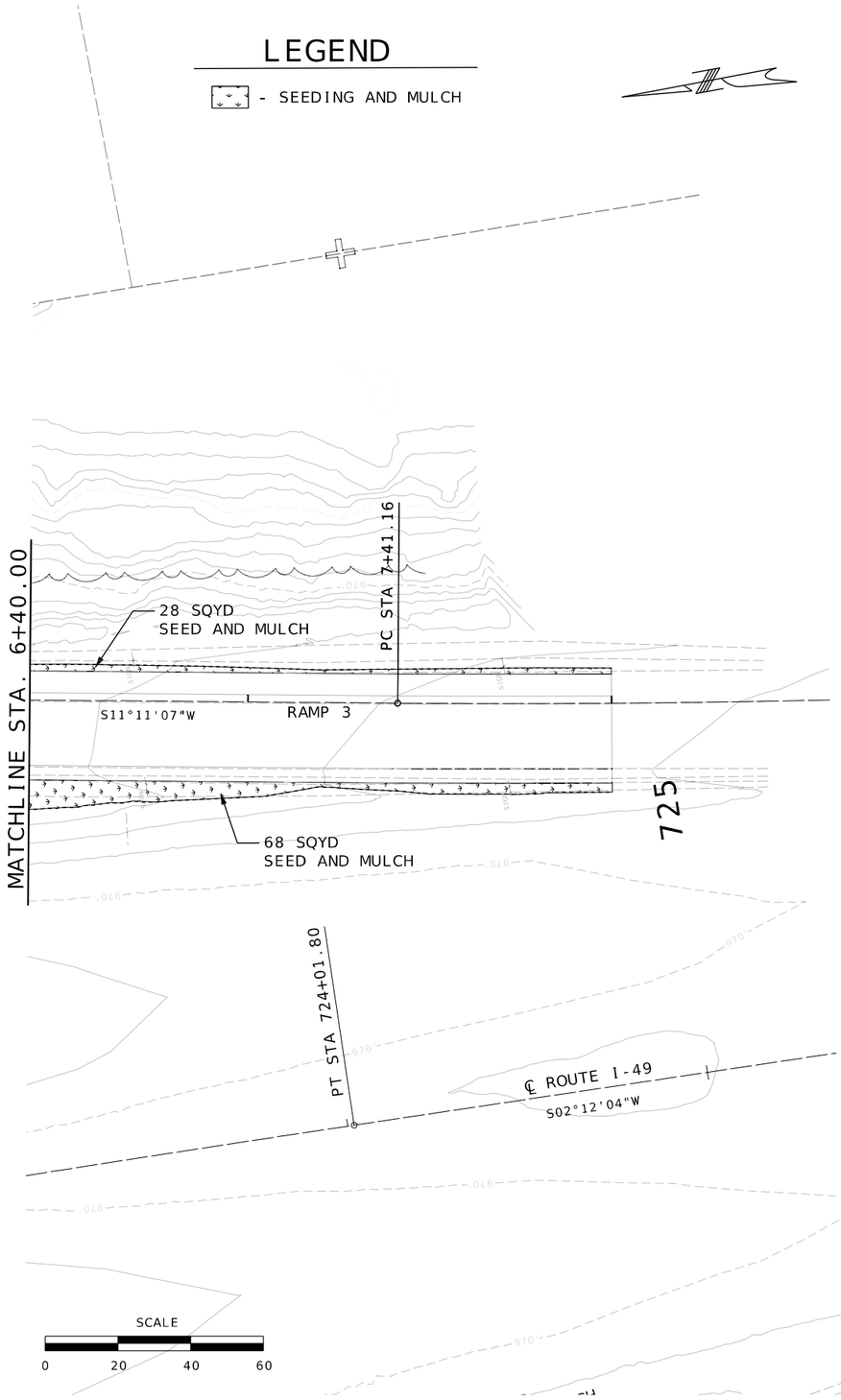
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LEGEND

- SEEDING AND MULCH



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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	169

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

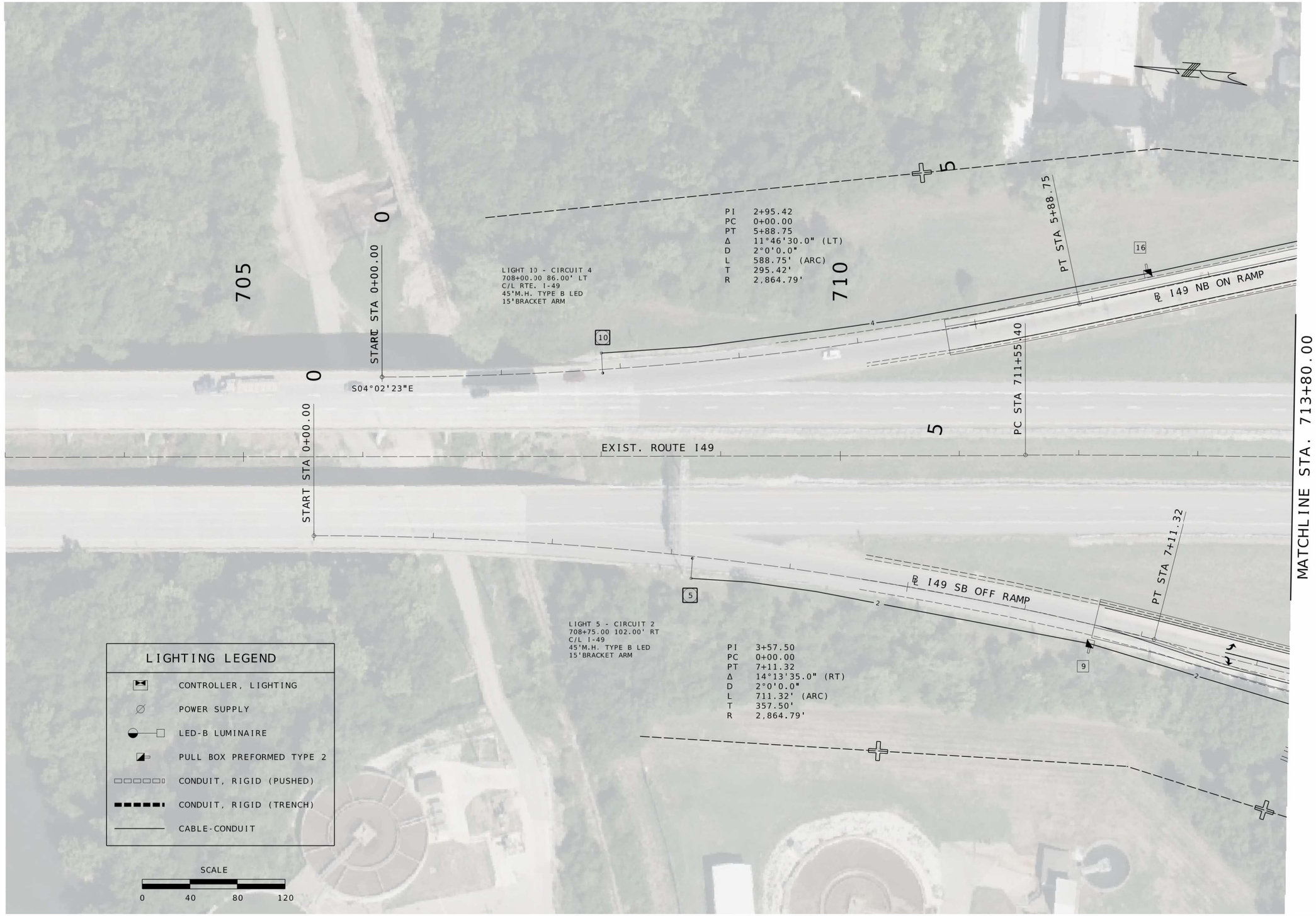
BRIDGE NO.
-

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
FINAL PHASE
SHEET 38 OF 38



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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	170
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION	DATE

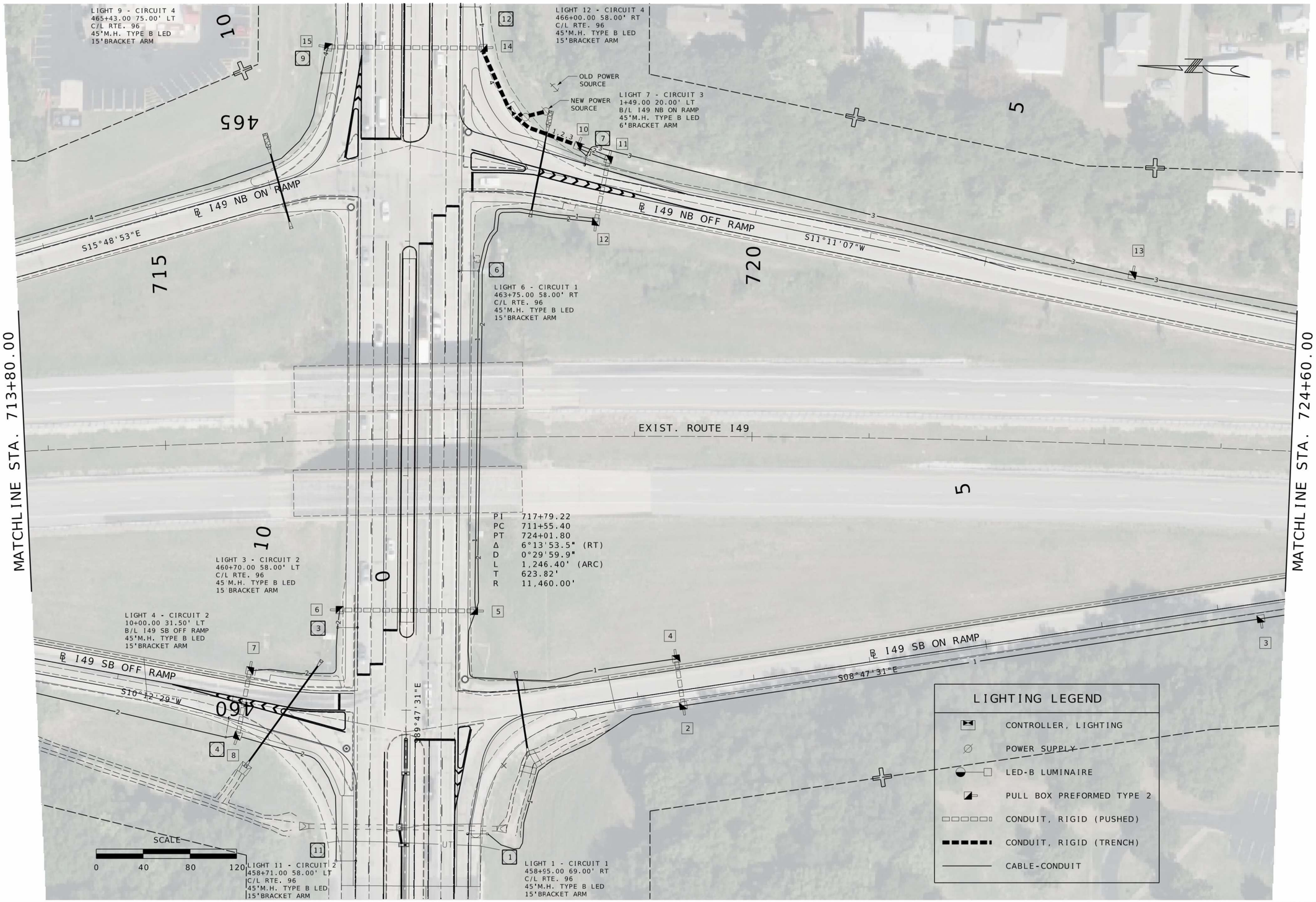
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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.

LIGHTING
SHEET 1 OF 3

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LIGHTING
SHEET 2 OF 3

...\041_LT_02_03_JSR0060_RTE96_I40.dgn 1:18:04 PM 9/30/2026

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	171

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

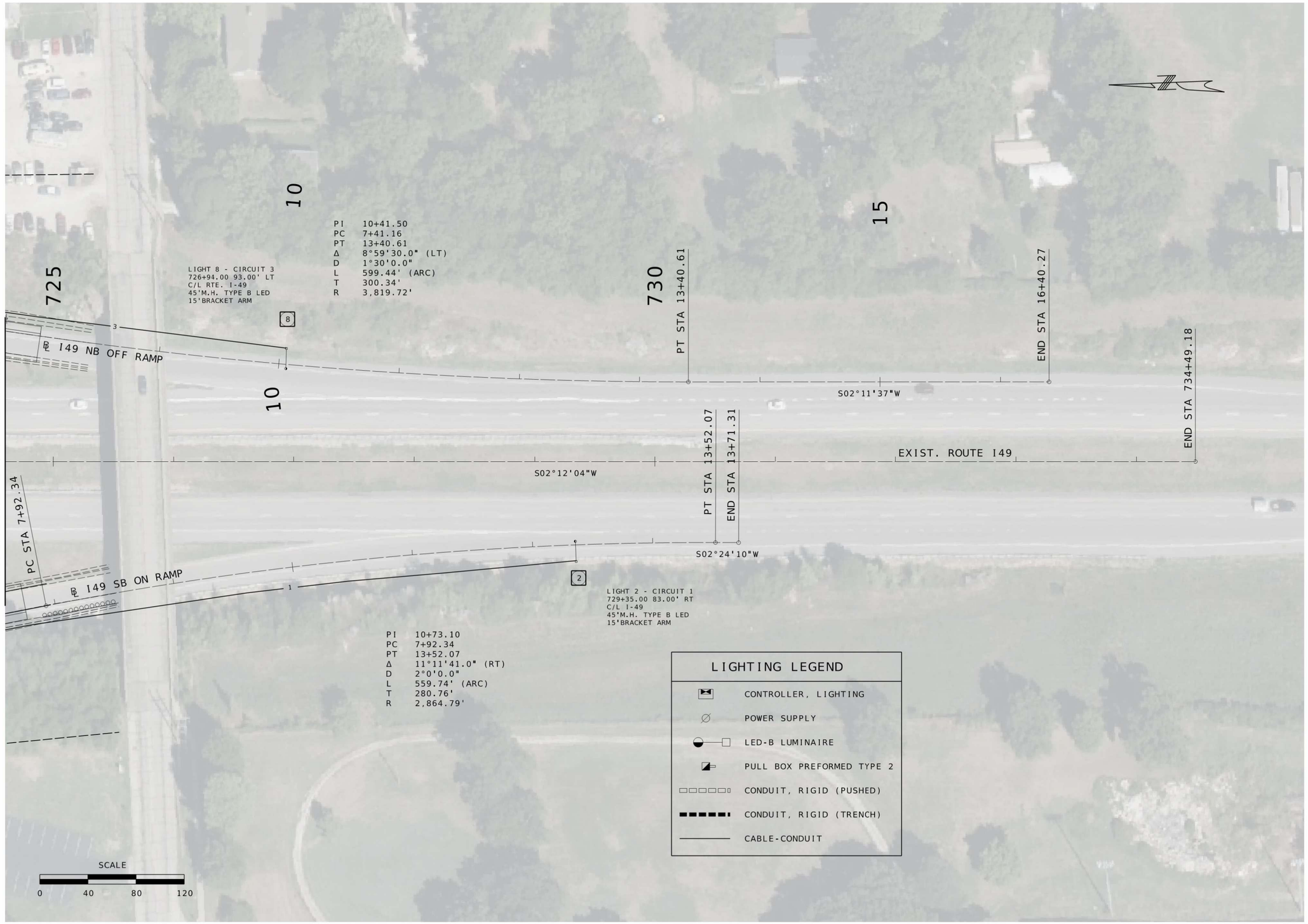
PROJECT NO.
-

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.



LIGHTING
SHEET 3 OF 3

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	172

COUNTY
JASPER

JOB NO.
JSR0060

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.

TRAFFIC SIGNALS LEGEND

- CCTV CAMERA
- CONTROLLER
- CONTROLLER (EXISTING)
- JUNCTION BOX
- POWER SUPPLY
- SIGNAL HEAD (PEDESTRIAN)
- SIGNAL HEAD (STANDARD)
- PREFORMED PULL BOX TYPE 1
- PREFORMED PULL BOX TYPE 2
- CONCRETE PULL BOX TYPE 1
- CONCRETE PULL BOX TYPE 2
- ITS PULL BOX TYPE 2
- ITS PULL BOX TYPE 5
- RADAR
- DETECTION ZONE
- (A.P.S) PUSH BUTTON DETECTOR
- LUMINAIRE LED-A
- CONDUIT MEDIAN
- CONDUIT PUSHED
- CONDUIT EXISTING
- CONDUIT TRENCHED
- MAST ARM - TYPE A BASE
- MAST ARM - TYPE F BASE
- TYPE C BASE

SB I-49 OFF RAMP
-2.0%
EX. EOS
SCALE 0 10 20 30
(R) PULL BOX
INSTALL PULL BOX
INSTALL 45' MAST ARM
NEW EOP
(R) PULL BOX
(R) SIGNAL & EQUIPMENT
30 30
460
R-Y-G
R-Y-G
RL-YL-L
START STA 0+00.00
END STA 11+50.20
0
RT 96
45 MPH
+0.99%
500' TO NEXT SIGNAL
R-Y-G
R3-2
INSTALL 50' MAST ARM
R-Y-G
(R) SIGNAL & EQUIPMENT
R-Y-G
(R) PULL BOX
NEW EOP
(R) PULL BOX
RL-YL-L
R3-1
RL-YL-L
INSTALL PULL BOX
INSTALL SIGNAL CONTROLLER
TYPE 2 POWER SUPPLY
SEE RT.96 & I-49 NBR SHEET 1
RT 96
45 MPH
-0.99%
NEW EOP
EX. EOS
INSTALL 30' MAST ARM
EX. EOS

SIGNAL SHEET
RT.96 & I-49 SBR
SHEET 1 OF 6

STATE OF MISSOURI
PROFESSIONAL ENGINEER
ANGELA NELSON NUMBER PE-2024007465

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	173

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION	DATE

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

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
Hg Consult Inc engineers planners
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153

RT96&I49SBR.dgn 9:35:42 AM 9/30/2026

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C
1		RT 96	460+36.95	59.05'R						1								3.67											
2		RT 96	459+90.55	56.86'L				1										3.27											
	1	RT 96	460+52.50	62.55'R																				1		1			
	2	RT 96	459+90.03	55.50'L																1						1			
	3	RT 96	460+30.51	47.71'L																			1			1			
SUBTOTAL																		6.94		1			1	1					
TOTAL																		7.0		1			1	1					

POST NUMBER	TOP MOUNT POST 8 FT.	15 FT.	TYPE C & CL ARM LENGTH 45'				SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL ARM LENGTH 50	30	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1															1	1					21	11	11		40					26			5				90						
2			1				19	11	11																																		
SUBTOTAL			1												1	1																											
TOTAL			1												1	1																											

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE LED-A	12" LENS CONVENTIONAL R	RL	Y	YL	FYL	FYR	G	S	L	Rt	(PED)	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS* 12" LENS	PED.
	1	61			1		1					1													3	
		62			1		1					1													3	
	1	81		1		1				1															3	
		82		1		1				1															3	
		83		1		1				1															3	
	2	70			1		1					1													3	
		41		1		1				1															3	
		42		1		1				1															3	
SUBTOTAL																										
TOTAL																										

FACE NUMBER	LOUVERS* A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III
61									1								1		
62									1								1		
81									1					1			1		
82									1					1			1		
83									1					1			1		
70									1								1		
41									1								1		
42									1								1		

FACE NUMBER	ONE-FACE SECTION 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE SECTIONS 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
61								1																							
62						1		1																							
81								1																							
82								1																							
83								1																							
70								1																							
41								1																							
42								1																							
SUBTOTAL OPTICALLY LIMITED																															
SUBTOTAL CONVENTIONAL						1		8																							
SUBTOTAL COMBINATION OL & CONV																															
TOTAL OPTICALLY LIMITED																															
TOTAL CONVENTIONAL						1		8																							
TOTAL COMBINATION OL & CONV																															

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

RT.96 & I-49 SB RAMPS

INTERSECTION

SIGNAL SHEET
SHEET 2 OF 6

D-37A

STATE OF MISSOURI — ANGELA NELSON — NUMBER PE-2024007465 — PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 174
COUNTY JASPER
JOB NO. JSR0060
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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

EFFECTIVE: 10-01-2015

CONDUIT

FROM	TO	CENTER TO CENTER	LOOP DETECT 1"	TRENCHED 2"	TRENCHED 3"	TRENCHED 4"	PUSHED 2"	PUSHED 3"	PUSHED 4"	MEDIAN 2"	MEDIAN 3"	MEDIAN 4"	ON STRUCTURE 2"	ON STRUCTURE 3"	ON STRUCTURE 4"	REMARKS
SOURCE	PS	113		113												
PS	CA	357		361												
CA	PB1	5				16										2-4" TO PULL BOX
PB1	POLE1	15				18										
PB1	PB3	112							110							
PB3	PB2	36							34							
PB2	POLE2	5				8										
		SUBTOTALS	0	474	0	42	0	0	144	0	0	0	0	0	0	
		PAY TOTALS	0	474	0	42	0	0	144	0	0	0	0	0	0	

CABLE

FROM	TO	CENTER TO CENTER	POWER 1c-#2	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	CONTROL 12c-#12	LIGHTING CONTROL 2c-#12	LIGHTING POLE & BRACKET 1c-#10	DETECTOR RADAR CABLE	DETECTOR 2c-#14 LEAD IN	REMARKS
SOURCE	PS	113		468									x3 cables
PS	CA	357		1119									x3 cables
CA	H61	20					85						
CA	H62	20					47						
CA	H81	20					105						
CA	H82,H83	20					94						INCLUDES JUMPER
CA	H71	158					250						
CA	H41,H42	158					246						INCLUDES JUMPER
CA	POLE 1	20							37				
CA	POLE 2	158							187				
CA	EB POLE 2	158									250		EB RADAR
CA	SB POLE 2	158									205		SB RADAR
CA	WB POLE 1	20									105		WB RADAR
		SUBTOTALS	0	1587	0	0	827	0	224	0	560	0	
		PAY TOTALS	0	1670	0	0	870	0	240	0	590	0	INCLUDE 5% FOR SNAKING

INTERSECTION RT.96 & I-49 SB RAMP

SIGNAL SHEET
SHEET 3 OF 6

D-37B

STATE OF MISSOURI
ANGELA NELSON
NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE 96 | STATE MO

DISTRICT SW | SHEET NO. 175

COUNTY JASPER

JOB NO. JSR0060

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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

EFFECTIVE 04-01-2018

POWER SUPPLY

9029902

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE		MISC. BATTERY BACKUP SYSTEM ON TYPE II POWER SUPPLY
					CONTROLLER		POWER SUPPLY*** DISCONNECT						
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY	
							SIGNALS	LIGHTING					
*RT.96 & I-49 NBR	464+10.05	65.96'R	Type 2		15 Amps	15 Amps	40 Amps	Amps		Amps	CI. Ft.		1
			Type		15 Amps	Amps	Amps	Amps		Amps	CI. Ft.		

*SEE SHEET 182 FOR LOCATION

***ONE TYPE 2 POWER SUPPLY SHALL SERVE THE I-49 NB RAMP AND I-49 SB RAMP SIGNAL CONTROLLER CABINETS. PROVIDE THREE CIRCUIT BREAKERS: ONE MAIN SERVICE BREAKER AND ONE SEPARATE SIGNAL BRANCH BREAKER FOR EACH CONTROLLER CABINET. PROVIDE A SEPARATE POWER FEED AND CONDUIT FROM THE POWER SUPPLY TO EACH CONTROLLER CABINET. NO LIGHTING CIRCUIT REQUIRED.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *					TIME * CLOCK	NEMA CABINET TYPE *			CABINET TYPE *		2070 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP									
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	170	I	II	MASTER	LOCAL		NEMA	170	FIBER		E	EV	DOUBLE	332	336S	OMNIEX	WAPITI
RT.96 & I-49 SBR	460+52.78	67.03'R		1															1		1	

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
1	R3-2	24 X 24	4.0	4.0	1
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
1	D3-1 ***	90 X 18	11.3	11.3	1
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
	R10-3eL	9 X 15	0.9		
	R10-3eR	9 X 15	0.9		
		SUBTOTAL	15.3	2	
		TOTAL	15.3	2	



D3-1



R3-2

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON	INDUCTION LOOP (2)			RADAR (APPROACH)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
___ Ø6	SB POST 2					1
Ø8	EB POST 1					1
Ø4/Ø7	WB POST 1					1
TOTAL						3 #

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

FOR INFORMATION ONLY: RADAR TRAFFIC SIGNAL DETECTION. SEE JOB SPECIAL PROVISIONS

2070 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U											BBU FLASH			FLASH SENSE
	L														STOP TIME
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)
TOTAL NUMBER OF 242 DETECTOR ISOLATOR MODULES = (2)

BBU FLASH - INPUT REQUIRES (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 11 SLOT

FLASH SENSE & STOP TIME - (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 14 SLOT

2070 OUTPUT FILE ASSIGNMENTS

FR1					PH 4 R Y G		MONITOR
FR2							
FR3		PH 6 R Y G		PH 7 R YL PH 7 L	PH 8 R Y G		
FR4							

NOTE: LET TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

SIGNAL SHEET
SHEET 4 OF 6

RT.96 & I-49 SB RAMP
INTERSECTION

D-37C

0176_SG_04_J7S3506B_I20_RT96&I49SBR_D-37C.dgn 6:28:54 PM 10/14/2026

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
10/14/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	176

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

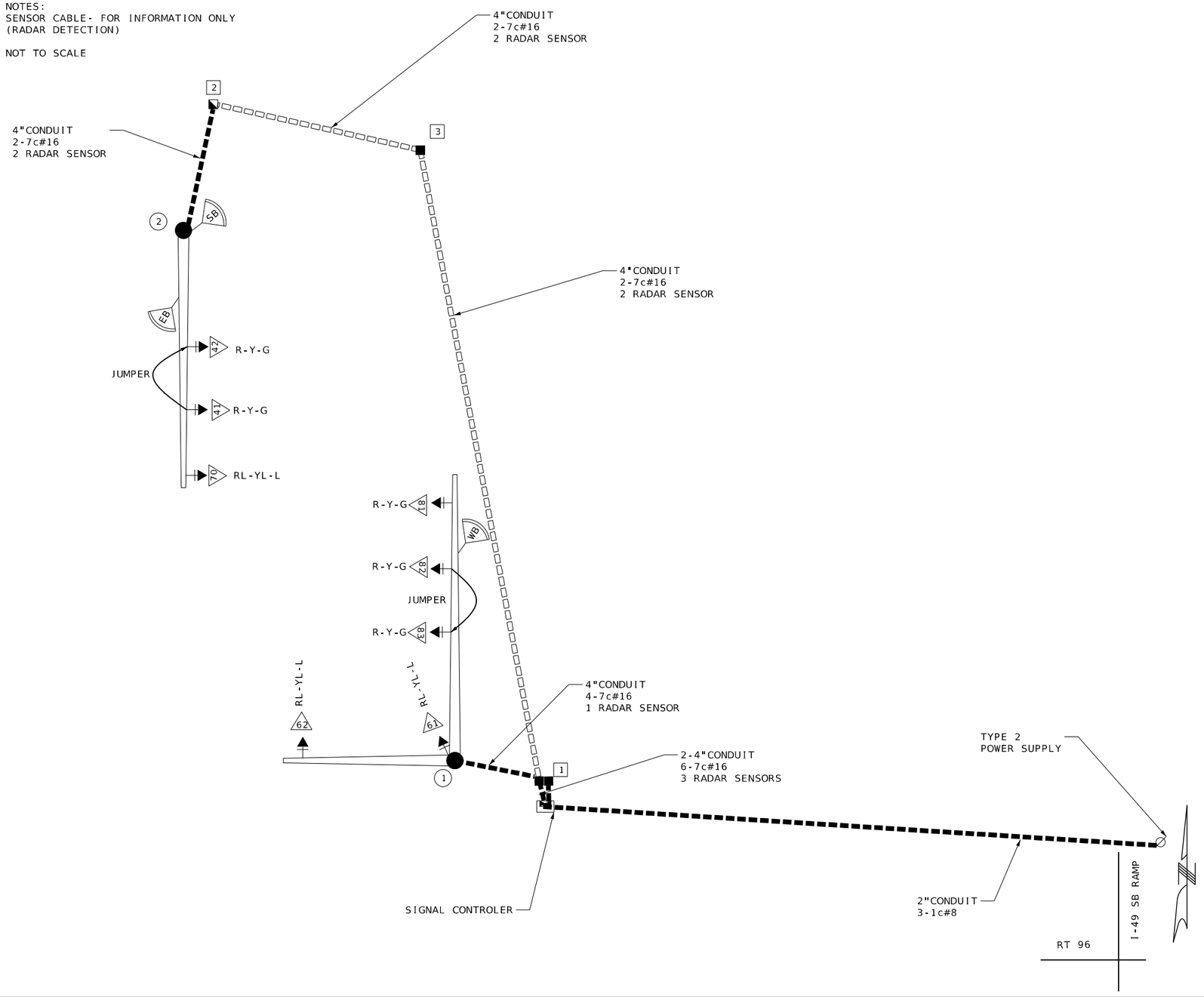
i-Consult inc engineers planners
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153
Mg CONSULT, INC.
PRO. ENGINEER 2010005873

EFFECTIVE 12-01-17

WIRING DIAGRAM

NOTES:
SENSOR CABLE- FOR INFORMATION ONLY
(RADAR DETECTION)

NOT TO SCALE



LEGEND

- EXISTING CONDUIT CONTAINING CABLE
- PUSHED CONDUIT CONTAINING CABLE
- TRENCHED CONDUIT CONTAINING CABLE
- CABLE
- X-Xc — MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC — #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X — PULL BOX WITH NUMBER
- X — POST WITH NUMBER
- X — POST WITH MAST ARM
- X — POST WITH MAST ARM AND LUMINAIRE
- X — DETECTOR WITH NUMBER
- X — SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	177

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

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

Hg Consult inc engineers planners
7733 N. Wallace Ave.t Kansas City, MO 64158! (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SIGNAL SHEET
SHEET 5 OF 6

RT.96 & I-49 SB RAMP

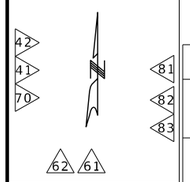
INTERSECTION

D-37D

RT96&I49SBR.dgn 9:35:51 AM 9/30/2026

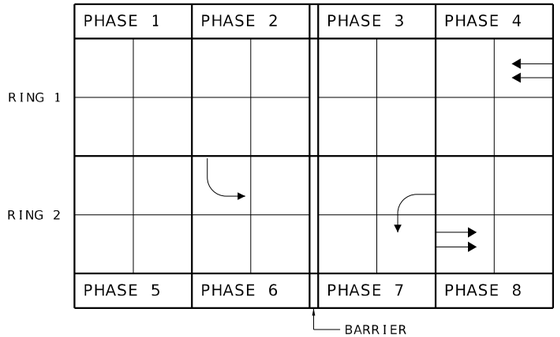
EFFECTIVE: 12-01-2017

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2	PED Ø4	PED Ø6	PED Ø8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	
FACE NUMBERS				41 42		61 62	70	81 82 83									FACE NUMBERS
SIGNAL INDICATIONS R				R R		RL RL	RL	R R R									R
SIGNAL INDICATIONS Y				Y Y		YL YL	YL	Y Y Y									Y
SIGNAL INDICATIONS FYL																	FYL
SIGNAL INDICATIONS G				G G		L L	L	G G G									G
DETECTOR ASSIGNMENTS				41 42		61 62	70	81 82 83									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)																	
OVERLAP PARENT PHASES																	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY -YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL PHASES	FR
	FY

CONTROLLER TYPE	2070

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT.96

WITH I-49 SB RAMP

SIGNAL SHEET
SHEET 6 OF 6

D-38A

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	178

COUNTY: JASPER
JOB NO.: JSR0060
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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

RT96&I49SBR.dgn 9:35:52 AM 9/30/2026

35' MAST ARM
INSTALL BL MAST ARM
(R) SIGNAL & EQUIPMENT
EX. EOS
(R) PULL BOX
D3-1
INSTALL PULL BOX
NEW EOP
45' MAST ARM
(R) PULL BOX
R-Y-G
R-Y-G
R3-2
R-Y-G
500' TO NEXT SIGNAL
RT 96
45 MPH
-1.00%
(R) EX.
SIGNAL CONTROLLER
NEW EOP
EX. EOS
INSTALL PULL BOX
INSTAL TYPE 2
POWER SUPPLY
INSTALL
SIGNAL
CONTROLLER
CABINET
NB I-49 OFF RAMP
-2.0%
RL-YL-L
R-Y-G
R-Y-G
EX. EOS
NEW EOP
(R) PULL BOX
+1.04%
RT 96
45 MPH
END STA 11+24.50
START STA 0+00.00
1515' TO NEXT SIGNAL
INSTALL 45' MAST ARM
(R) SIGNAL & EQUIPMENT
(R) PULL BOX
INSTALL
PULL BOX
CONTRACTOR COORDINTATE
WITH CWEP TO INSTALL 2"
CONDUIT FROM TRANSFORMER
AT STA:472+38.34
OFF: 69.86'R
TO TRANSFORMER AT
STA:465+11.37
OFF: 115.9'R
NEW EOP
EX. EOS
SCALE
0 10 20 30
SIGNAL SHEET
RT.96 & I-49 NBR
SHEET 1 OF 6

TRAFFIC SIGNALS LEGEND

- CCTV CAMERA
- CONTROLLER
- CONTROLLER (EXISTING)
- JUNCTION BOX
- POWER SUPPLY
- SIGNAL HEAD (PEDESTRIAN)
- SIGNAL HEAD (STANDARD)
- PREFORMED PULL BOX TYPE 1
- PREFORMED PULL BOX TYPE 2
- CONCRETE PULL BOX TYPE 1
- CONCRETE PULL BOX TYPE 2
- ITS PULL BOX TYPE 2
- ITS PULL BOX TYPE 5
- RADAR
- DETECTION ZONE
- (A.P.S) PUSH BUTTON DETECTOR
- LUMINAIRE LED-A
- CONDUIT MEDIAN
- CONDUIT PUSHED
- CONDUIT EXISTING
- CONDUIT TRENCHED
- MAST ARM - TYPE A BASE
- MAST ARM - TYPE F BASE
- TYPE C BASE

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	179

COUNTY JASPER

JOB NO. JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153

RT96&I49NBR.dgn 9:36:03 AM 9/30/2026

EFFECTIVE: 07/01/2018

POST / PULL BOX

LOCATION, BASE and CONCRETE

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A 10.5	BASE A 12	CONCRETE** (CU. YDS.)
1		RT 96	464+19.33	59.14'L		1	3.67
2		RT 96	464+67.93	62.29'R	1		3.27
	1	RT 96	464+16.94	59.43'R			
	2	RT 96	464+67.93	48.86'L			
	3	RT 96	464+67.93	62.29'R			
SUBTOTAL							6.94
TOTAL							7.0

Base columns: A (9, 9.5, 10, 10.5, 11, 12), F (9, 9.5, 10, 10.5, 11, 12), C.

PULL BOX

PULL BOX NUMBER	PREFORMED CLASS 2	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	DRAIN TYPE* I
1			1	1
2		1		1
3	1			1
SUBTOTAL	1	1	1	
TOTAL	1	1	1	

Pull box columns: PREFORMED (CLASS 1, CLASS 2, CLASS 3, CLASS 5), CONCRETE (STANDARD, DOUBLE, TYPE A, DOUBLE, TYPE B), DRAIN TYPE* (I, II A B C).

POST — TYPE C & CL and TYPE B & BL

POST NUMBER	TYPE C & CL ARM LENGTH 45	C&CL SIGNAL SPACING B	C	D	TYPE B & BL ARM LENGTH 45	30	LEFT ARM E SIGNAL SPACING F	G	H	LEFT ARM E SIGN SPACING F	RIGHT ARM K SIGNAL SPACING L	M	RIGHT ARM K SIGN SPACING L
1					1	1	55	10	9	38	0	38	5
2	1	18	11	13									
SUBTOTAL	1				1	1							
TOTAL	1				1	1							

Post columns: TOP MOUNT POST (8 FT., 15 FT.); TYPE C & CL: ARM LENGTH (45, B, A, A), SIGNAL SPACING (B, C, D, D'), SIGN SPACING (B, C, D, D'); TYPE B & BL: ARM LENGTH (45, 30, E, K, E, K), LEFT ARM E SIGNAL SPACING (F, G, H, H'), SIGN SPACING (F, G, H, H'), RIGHT ARM K SIGNAL SPACING (L, M, N, N'), SIGN SPACING (L, M, N, N'); INCLUDED ANGLE; LUMINAIRE BRACKET ARM* (4 FT., 6 FT., 8 FT., 10 FT., 12 FT., 15 FT.).

SIGNAL HEADS

POST NUMBER	FACE NUMBER	12" LENS CONVENTIONAL R	RL	Y	YL	G	L	VISORS* 12" LENS	BACKPLATE* LENSES 3	RETROREFLECTIVE BACKPLATE* LENSES 3	BRACKET* TYPE I	ONE-FACE SECTION 3- S	3- B
2	30		1		1		1	3	1		1		1
	81	1		1		1		3	1		1		1
	82	1		1		1		3	1		1		1
2	21		1		1		1	3	1		1	1	
	22		1		1		1	3	1		1		1
1	41	1		1		1		3	1	1	1		1
	42	1		1		1		3	1	1	1		1
	43	1		1		1		3	1	1	1		1

Signal head columns: SPAN NUMBER; POST NUMBER; FACE NUMBER; LUMINAIRE LED-A; INDICATIONS * 12" LENS CONVENTIONAL (R, RL, Y, YL, FYL, FYR, G, S, L, Rt, YRt, pedestrian); 12" LENS OPTICAL LIMITING (R, Y, YL, YRt, YL, YRt, G, S, L, Rt); VISORS * (12" LENS, PED.); LOUVERS * (A, B, C, D, E, F); BACKPLATE* LENSES (1–5); RETROREFLECTIVE BACKPLATE* LENSES (1–5); BRACKET* TYPE (I, II, III); ONE-FACE SECTION (1-, 3-, 4-, 5-: T S C B); TWO-FACE SECTIONS (11- T S B, 33- T S C B, 34- S B, 35- S B, 44- S B, 45- S B).

SUBTOTAL (LUMINAIRE):
TOTAL (LUMINAIRE):

	ONE-FACE 3- S	ONE-FACE 3- B
SUBTOTAL OPTICALLY LIMITED		
SUBTOTAL CONVENTIONAL	1	7
SUBTOTAL COMBINATION OL & CONV		
TOTAL OPTICALLY LIMITED		
TOTAL CONVENTIONAL	1	7
TOTAL COMBINATION OL & CONV		

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND
T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

RT.96 & I-49 NB RAMP
INTERSECTION

SIGNAL SHEET
SHEET 2 OF 6

D-37A

STATE OF MISSOURI ANGELA NELSON NUMBER PE-2024007465 PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 10/5/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 180
COUNTY JASPER
JOB NO. JSR0060
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)
MoDOT
Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

CONDUIT

FROM	TO	CENTER TO CENTER	LOOP DETECT 1"	TRENCHED 2"	TRENCHED 3"	TRENCHED 4"	PUSHED 2"	PUSHED 3"	PUSHED 4"	MEDIAN 2"	MEDIAN 3"	MEDIAN 4"	ON STRUCTURE 2"	ON STRUCTURE 3"	ON STRUCTURE 4"	REMARKS
SOURCE	PS	863		863												INCLUDES CONDUIT ALONG ROW
PS	CA	6		10												
CA	PB1	4				14										2-4" TO PULLBOX
PB1	PB2	108							106							
PB2	POLE1	11				14										
PB1	PB3	50							48							
PB3	POLE2	6				9										
		SUBTOTALS	0	873	0	37	0	0	154	0	0	0	0	0	0	
		PAY TOTALS	0	873	0	37	0	0	154	0	0	0	0	0	0	

CABLE

FROM	TO	CENTER TO CENTER	POWER 1c-#2	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	CONTROL 12c-#12	LIGHTING CONTROL 2c-#12	LIGHTING POLE & BRACKET 1c-#10	DETECTOR RADAR CABLE	DETECTOR 2c-#14 LEAD IN	REMARKS
SOURCE	PS	113		468									ONLY CABLE TO PS TO FIRST TRANSFORMER
PS	CA	7		69									x3 cables
CA	H21	123					199						
CA	H22	123					156						
CA	H81,H82	60					141						INCLUDES JUMPER
CA	H71	123					209						
CA	H41,H42	123					207						INCLUDES JUMPER
CA	POLE 1	123							146				
CA	POLE 2	60							83				
CA	EB POLE 2	60									146		EB RADAR
CA	NB POLE 2	60									101		NB RADAR (ON POST)
CA	WB POLE 1	123									209		WB RADAR
		SUBTOTALS	0	537	0	0	912	0	229	0	456	0	
		PAY TOTALS	0	560	0	0	960	0	240	0	480	0	INCLUDE 5% FOR SNAKING

SIGNAL SHEET
SHEET 3 OF 6

INTERSECTION RT.96 & I-49 NB RAMP

STATE OF MISSOURI
ANGELA NELSON
NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 10/5/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	181

COUNTY JASPER
JOB NO. JSR0060
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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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D-37B

EFFECTIVE 04-01-2018

POWER SUPPLY

9029902

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE		MISC. BATTERY BACKUP SYSTEM ON TYPE II POWER SUPPLY
					CONTROLLER		POWER SUPPLY DISCONNECT***						
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY	
							SIGNALS	LIGHTING					
RT.96 & I-49 NBR	464+10.05	65.96'R	Type 2		15 Amps	15 Amps	40 Amps	Amps		Amps	CI. Ft.		1
			Type		15 Amps	Amps	Amps	Amps		Amps	CI. Ft.		

***ONE TYPE 2 POWER SUPPLY SHALL SERVE THE I-49 NB RAMP AND I-49 SB RAMP SIGNAL CONTROLLER CABINETS. PROVIDE THREE CIRCUIT BREAKERS: ONE MAIN SERVICE BREAKER AND ONE SEPARATE SIGNAL BRANCH BREAKER FOR EACH CONTROLLER CABINET. PROVIDE A SEPARATE POWER FEED AND CONDUIT FROM THE POWER SUPPLY TO EACH CONTROLLER CABINET. NO LIGHTING CIRCUIT REQUIRED.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			CABINET TYPE *		2070 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	OMNIEX	WAPITI
RT.96 & I-49 NB RAMP	464+16.93	64.80'R		1															1		1	

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
1	R3-2	24 X 24	4.0	4.0	1
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
1	D3-1 ***	90 X 18	11.3	11.3	1
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
	R10-3eL	9 X 15	0.9		
	R10-3eR	9 X 15	0.9		
			SUBTOTAL	15.3	2
			TOTAL	15.3	2



R3-2



D3-1

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON	INDUCTION LOOP (2)			RADAR (APPROACH)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
Ø2	NB POST 2					1
Ø3/Ø8	EB POST 1					1
Ø4	WB POST 2					1
TOTAL						3 #

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

FOR INFORMATION ONLY: RADAR TRAFFIC SIGNAL DETECTION. SEE JOB SPECIAL PROVISIONS

2070 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U											BBU FLASH			FLASH SENSE
	L														STOP TIME
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)
TOTAL NUMBER OF 242 DETECTOR ISOLATOR MODULES = (2)

BBU FLASH - INPUT REQUIRES (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 11 SLOT

FLASH SENSE & STOP TIME - (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 14 SLOT

2070 OUTPUT FILE ASSIGNMENTS

FR1		PH 2 R		PH 3 R	PH 4 R		MONITOR
FR2		Y G		YL PH 3 L	Y G		
FR3					PH 8 R		
FR4					Y G		

NOTE: LET TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

RT.96 & I-49 NB RAMP

INTERSECTION

SIGNAL SHEET
SHEET 4 OF 6

D-37C

$FILE$ $TIME$ $DATE$

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: $DATE$

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
SW	182

COUNTY: JASPER

JOB NO.: JSR0060

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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

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

Consult I-49 Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153

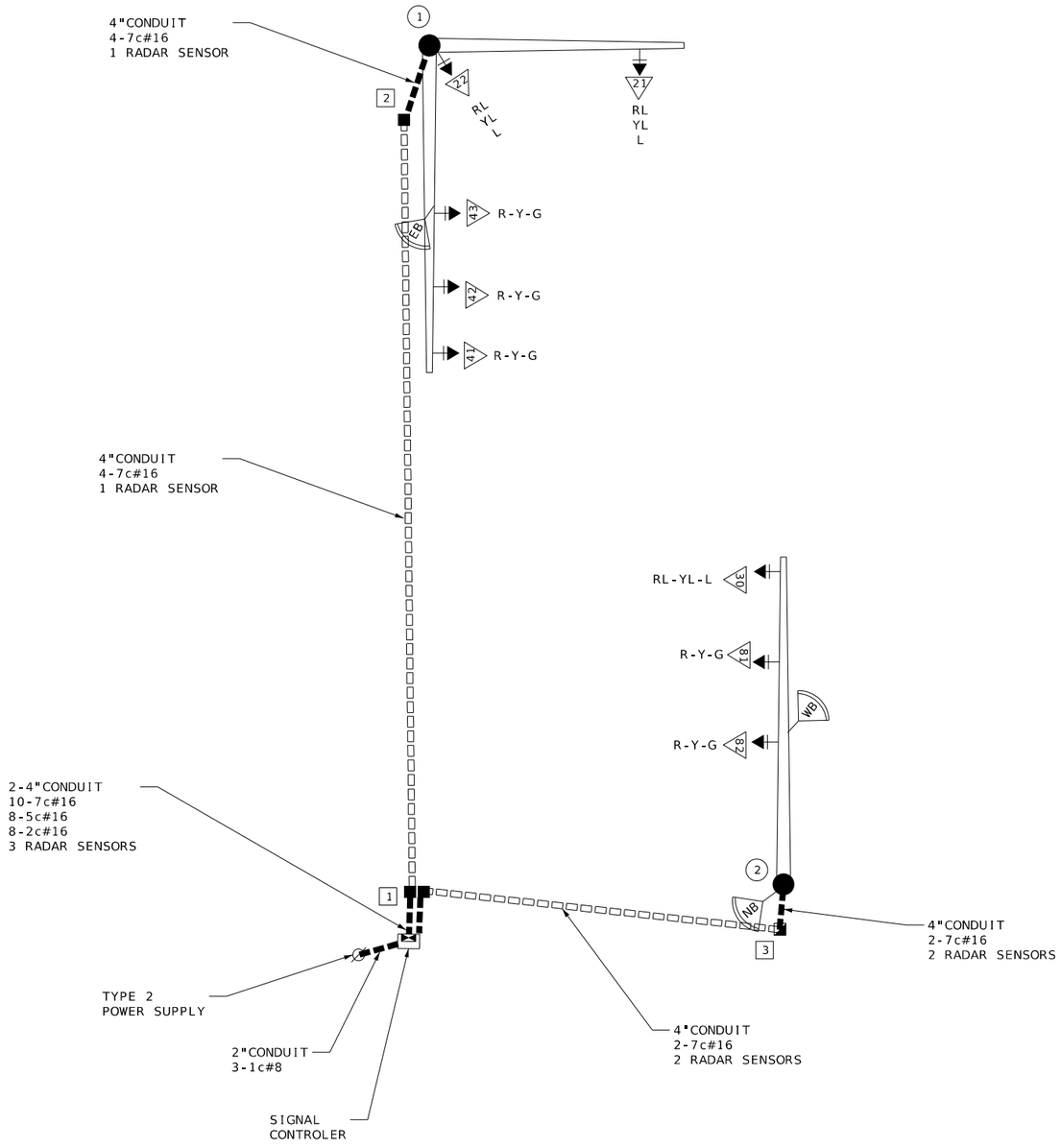
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

EFFECTIVE 12-01-17

WIRING DIAGRAM

NOTES:
SENSOR CABLE- FOR INFORMATION ONLY
(RADAR DETECTION)

NOT TO SCALE



LEGEND

==========	EXISTING CONDUIT CONTAINING CABLE
□□□□□□□□□□□□□□□□□□	PUSHED CONDUIT CONTAINING CABLE
▬▬▬▬▬▬▬▬▬▬▬▬	TRENCHED CONDUIT CONTAINING CABLE
———————	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	PUSH BUTTON DETECTOR
	RADAR DETECTOR

STATE OF MISSOURI
ANGELA NELSON NUMBER
PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	183

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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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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Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SIGNAL SHEET
SHEET 5 OF 6

RT.96 & I-49 NB RAMP

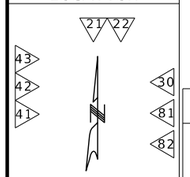
INTERSECTION

D-37D

RT96&I49NBR.dgn 9:36:11 AM 9/30/2026

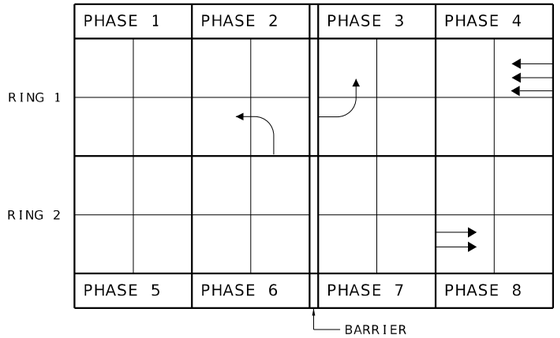
EFFECTIVE: 12-01-2017

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2	PED Ø4	PED Ø6	PED Ø8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	
FACE NUMBERS		21 22	30	41 42 43				81 82									FACE NUMBERS
SIGNAL INDICATIONS R		RL RL	RL	R R R				R R									R
SIGNAL INDICATIONS Y		YL YL	YL	Y Y Y				Y Y									Y
SIGNAL INDICATIONS FYL																	FYL
SIGNAL INDICATIONS G		L L	L	G G G				G G									G
DETECTOR ASSIGNMENTS		21 22	30	41 42 43				81 82									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)																	
OVERLAP PARENT PHASES																	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY -YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL PHASES	FR
	FY

CONTROLLER TYPE	2070

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT.96

WITH I-49 NB RAMP

SIGNAL SHEET
SHEET 6 OF 6

D-38A

ANGELA NELSON NUMBER PE-2024007465
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	184

COUNTY: JASPER

JOB NO.: JSR0060

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

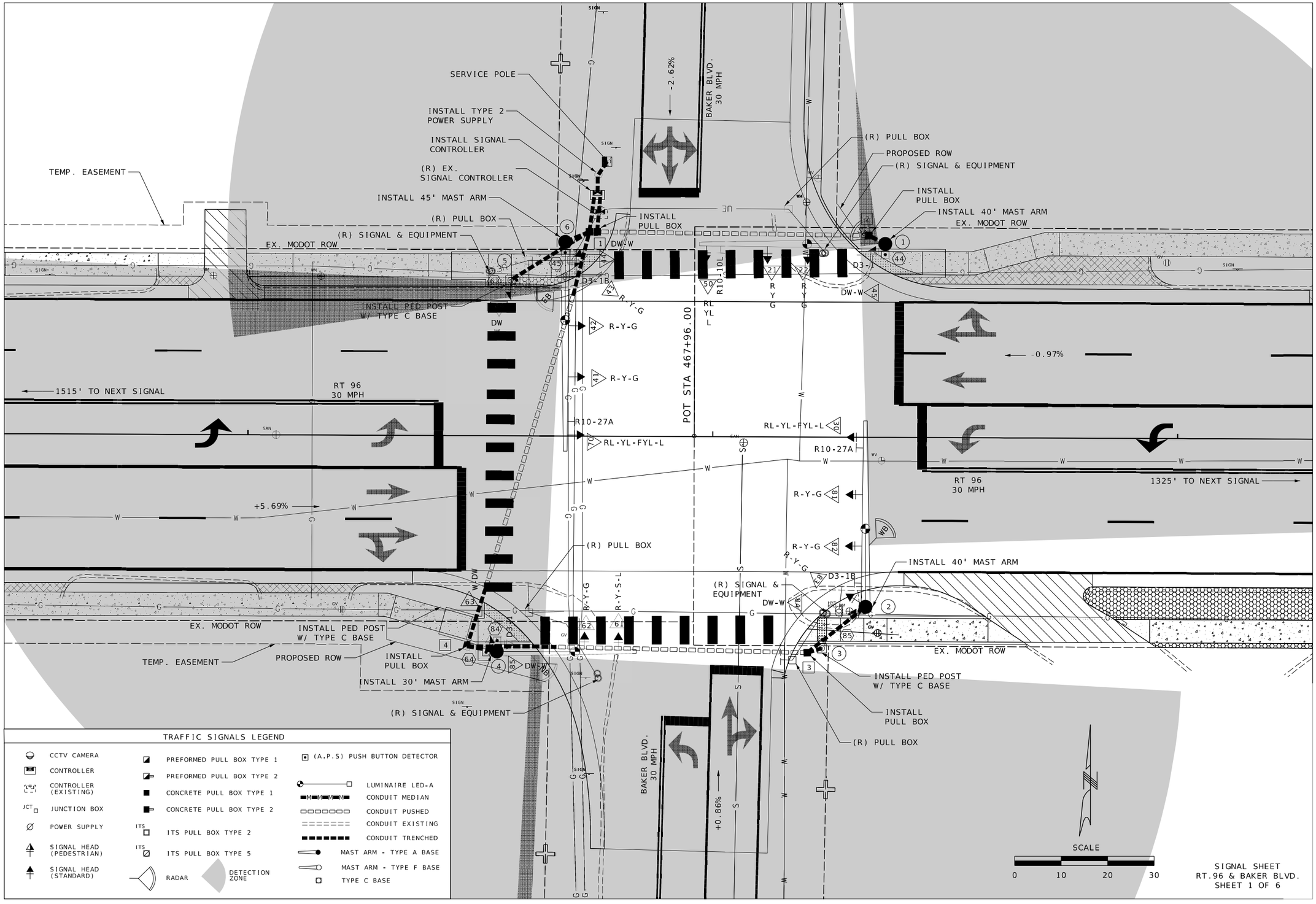
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

RT96&I49NBR.dgn 9:36:13 AM 9/30/2026



STATE OF MISSOURI
ANGELA NELSON NUMBER
PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	185

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

RT96&BakerBlvd.dgn 9:36:24 AM 9/30/2026

EFFECTIVE: 07/01/2018

POST / PULL BOX

LOCATION, BASE, PULL BOX

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)	PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	II B	II C
1		RT 96	468+36.88	41.50'L				1										3.27											
2		RT 96	468+33.03	36.56'R				1										3.27											
3		RT 96	468+23.69	45.52'R													1	0.44											
4		RT 96	467+53.69	46.50'R		1												3.01											
5		RT 96	467+56.36	33.36'L													1	0.44											
6		RT 96	467+68.13	41.63'L				1										3.27											
	1	RT 96	467+74.13	43.86'L																				1		1			
	2	RT 96	468+33.30	43.31'L																			1			1			
	3	RT 96	468+20.55	46.49'R																			1			1			
	4	RT 96	467+47.28	45.41'R																1						1			
SUBTOTAL																		13.7		1			2	1					
TOTAL																		13.7		1			2	1					

POST – TOP MOUNT POST, TYPE C & CL

POST NUMBER	PULL BOX NUMBER	TOP MOUNT POST 8 FT.	TOP MOUNT POST 4 FT.	ARM LENGTH 45'	ARM LENGTH 40'	ARM LENGTH 30'	ARM LENGTH	SIGNAL SPACING B	SIGNAL SPACING C	SIGNAL SPACING D	SIGNAL SPACING D'	SIGN SPACING B	SIGN SPACING C	SIGN SPACING D	SIGN SPACING D'
1					1			17	9	13		5	31		
2					1				12	11	12	5	29		
3			1												
4						1		19	8			5			
5		1													
6				1					18	11	12	5	32		
SUBTOTAL		1	1	1	2	1									
TOTAL		1	1	1	2	1									

POST – TYPE B & BL, LUMINAIRE BRACKET ARM*

POST NUMBER	ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																													1
2																													1
3																													
4																													1
5																													
6																													1

SIGNAL HEADS

INDICATIONS *, VISORS *, LOUVERS *, BACKPLATE*, RETROREFLECTIVE BACKPLATE*, BRACKET*

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE LED-A	12" LENS CONVENTIONAL R	RL	Y	YL	FYL	FYR	G	S	L	Rt	PED (hand/person)	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS 12" LENS	VISORS PED.	LOUVERS A	B	C	D	E	F	BACKPLATE LENSES 1	2	3	4	5	RETROREFLECTIVE LENSES 1	2	3	4	5	BRACKET TYPE I	II	III
	4	61		1		1				1															3										1								1		
	4	62		1		1				1															3										1								1		
	2	30			1		1	1				1													4											1							1		
	2	81		1		1				1															3										1								1		
	2	83		1		1				1															3										1								1		
	2	82		1		1				1															3										1								1		
	1	50			1		1					1													3										1								1		
	1	21		1		1				1															3										1								1		
	1	22		1		1				1															3										1								1		
	6	70			1		1	1				1													4											1							1		
	6	41		1		1				1															3										1								1		
	6	42		1		1				1															3										1								1		
	6	43		1		1				1															3										1								1		
	6	44												1												1																	1		
	1	45												1												1																	1		
	4	63												1												1																	1		
	5	64												1												1																	1		
	3	84												1												1																	1		
	4	85												1												1																	1		
	4		1																																										
	2		1																																										
	1		1																																										
	6		1																																										
SUBTOTAL			4																																										
TOTAL			4																																										

ONE-FACE SECTION / TWO-FACE SECTIONS

SPAN NUMBER	POST NUMBER	FACE NUMBER	ONE-FACE 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
	4	61								1																							
	4	62								1																							
	2	30												1																			
	2	81								1																							
	2	83						1																									
	2	82								1																							
	1	50								1																							
	1	21								1																							
	1	22								1																							
	6	70												1																			
	6	41								1																							
	6	42								1																							
	6	43						1																									
	6	44		1																													
	1	45		1																													
	4	63		1																													
	5	64		1																													
	3	84		1																													
	4	85		1																													
SUBTOTAL OPTICALLY LIMITED																																	
SUBTOTAL CONVENTIONAL				6				2		9				2																			
SUBTOTAL COMBINATION OL & CONV																																	
TOTAL OPTICALLY LIMITED																																	
TOTAL CONVENTIONAL				6				2		9				2																			
TOTAL COMBINATION OL & CONV																																	

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

RT.96 & BAKER BLVD.

INTERSECTION

SIGNAL SHEET
SHEET 2 OF 6

D-37A

STATE OF MISSOURI – ANGELA NELSON – NUMBER PE-2024007465 – PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 10/13/2026

ROUTE 96 | STATE MO

DISTRICT SW | SHEET NO. 186

COUNTY JASPER

JOB NO. JSR0060

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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

EFFECTIVE: 10-01-2015

CONDUIT

FROM	TO	CENTER TO CENTER	LOOP DETECT	TRENCHED			PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"	4"	
SOURCE	PS	4		8												
PS	CA	4		12												
CA	PB1	16				38										2-4" TO PULLBOX
PB1	PB2	58							56							
PB2	POLE1	4			7											
PB1	POLE6	6			9											
PB1	POLE5	20			21											
PB1	PB4	27				25										TRENCH SECTION
PB1	PB4	66							66							PUSHED SECTION
PB4	POLE4	7				10										
PB4	PB3	54							53							TRENCH SECTION
PB4	PB3	19				18										PUSHED SECTION
PB3	POLE2	16			19											
PB3	POLE3	4														
SUBTOTALS			0	20	56	91	0	0	175	0	0	0	0	0	0	
PAY TOTALS			0	20	56	91	0	0	175	0	0	0	0	0	0	

CABLE

FROM	TO	CENTER TO CENTER	POWER		CONTROL				LIGHTING		DETECTOR		REMARKS
			1c-#2	1c-#8	2c-#16	5c-#16	7c-#16	12c-#12	CONTROL 2c-#12	POLE & BRACKET 1c-#10	RADAR CABLE	2c-#14 LEAD IN	
SOURCE	PS			141									x3 cables
PS	CA	4		36									x3 cables
CA	H61, H62	116					195						INCLUDES JUMPER
CA	H63	116				146							
CA	H85	116				146							
CA	D84	116			145								
CA	D64	116			145								
CA	H64	36				60							
CA	D63	36			59								
CA	H70	22					102						
CA	H41,H42	22					97						INCLUDES JUMPER
CA	H43	22					49						
CA	H44	22				46							
CA	D45	22			45								
CA	H50	78					159						
CA	H21,H22	78					141						INCLUDES JUMPER
CA	H45	78				108							
CA	D44	78			107								
CA	H84	186				222							
CA	D85	186			221								
CA	H30	198					285						
CA	H81,H82	198					275						INCLUDES JUMPER
CA	H83	198					237						
CA	POLE1	78							101				
CA	POLE2	198							227				
CA	POLE4	36							53				
CA	POLE6	22							39				
POLE1	LUM 1									144			POLE & BRACKET X3
POLE2	LUM 2									144			POLE & BRACKET X3
POLE4	LUM 3									144			POLE & BRACKET X3
POLE6	LUM 4									144			POLE & BRACKET X3
CA	SB POLE 1	78									113		NB RADAR
CA	WB POLE 2	198									279		EB RADAR
CA	NB POLE 4	36									113		SB RADAR
CA	WB POLE 6	22									102		WB RADAR
SUBTOTALS			0	177	722	728	1540	0	420	576	607	0	
PAY TOTALS			0	190	760	760	1620	0	440	600	640	0	INCLUDE 5% FOR SNAKING

SIGNAL SHEET
SHEET 3 OF 6

INTERSECTION RT.96 & BAKER BLVD.

D-37B

RT96&BakerBlvd.dgn 9:36:28 AM 9/30/2026

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE 96 | STATE MO

DISTRICT SW | SHEET NO. 187

COUNTY JASPER

JOB NO. JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153

Hg CONSULT, INC.
PRO. ENGINEER 2010005873

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RT.96 &	467+75.22	56.12'L	Type 2		15 Amps	15 Amps	40 Amps	40 Amps	1	15 Amps	Cl. Ft.	
BAKER BLVD			Type		Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			CABINET TYPE *		2070 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	OMNIEX	WAPITI
RT.96 & BAKER BLVD.	467+75.06	51.22'L		1															1		1	

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ***	90 X 18	11.3	11.3	2
2	D3-1B ***	72 X 18	9.0	9.0	2
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
3	R10-12A	30 X 36	7.5	22.5	3
4	R10-3eL	9 X 15	0.9	3.6	4
2	R10-3eR	9 X 15	0.9	1.8	2
			SUBTOTAL	45.7	13
			TOTAL	45.7	13

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	INDUCTION LOOP (2)			RADAR (APPROACH)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
44	BAKER BLVD.	1				
45	BAKER BLVD.	1				
63	RT.96	1				
64	RT.96	1				
84	BAKER BLVD.	1				
85	BAKER BLVD.	1				
Ø6	SB POST 1					1
Ø5	NB POST 4					1
Ø3/Ø8	EB POST 6					1
Ø4/Ø7	WB POST 2					1
TOTAL		6				4 #

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

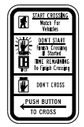
FOR INFORMATION ONLY; RADAR TRAFFIC SIGNAL DETECTION. SEE JOB SPECIAL PROVISIONS



R10-12a



R10-3eR



R10-3eL



D3-1



D3-1B

2070 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U													(63) (64)	FLASH SENSE
	L												(43) (44)	(83) (84)	STOP TIME
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)
TOTAL NUMBER OF 242 DETECTOR ISOLATOR MODULES = (3)

PEDESTRIAN ISOLATOR MODULES - (1) 242 DC ISOLATOR MODULES TO BE INSTALLED IN THE "I" 12 SLOT AND (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 13 SLOT

FLASH SENSE & STOP TIME - (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 14 SLOT

2070 OUTPUT FILE ASSIGNMENTS

FR1		PH 2 R	2 PED	PH 3 R	PH 4 R	4 PED DW	MONITOR
FR2		Y G		YL FYL	Y G	PH 3 L W	
FR3	PH 5 R	PH 6 R	6 PED DW	PH 7 R	PH 8 R	8 PED DW	
FR4	YL L	Y G	W	YL FYL	Y G	PH 7 L W	

NOTE: LET TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

SIGNAL SHEET
SHEET 4 OF 6

RT.96 & BAKER BLVD.
INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	188

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

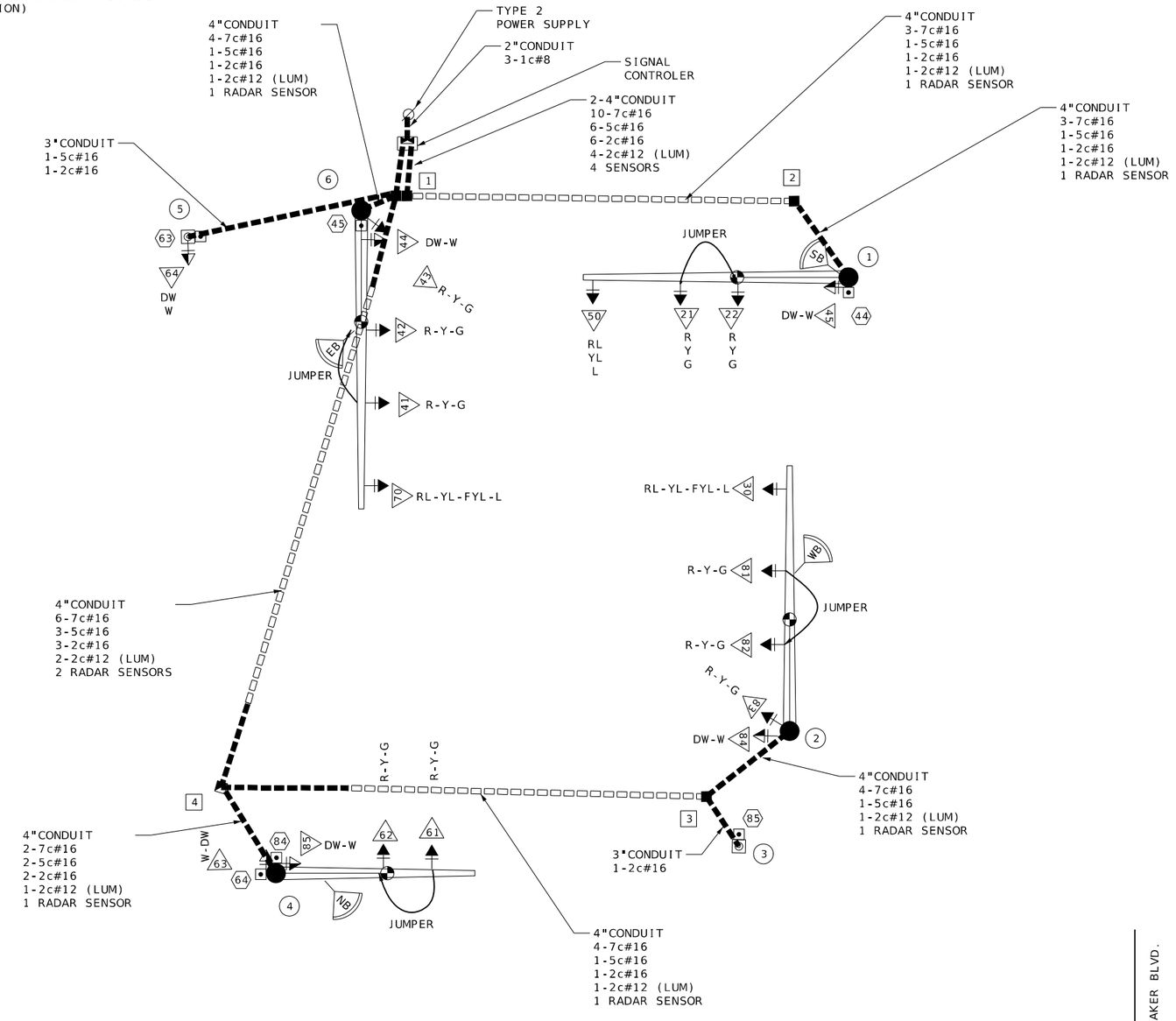
Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153

RT96&BakerBlvd.dgn 9:36:30 AM 9/30/2026

WIRING DIAGRAM

NOTES:
SENSOR CABLE- FOR INFORMATION ONLY
(RADAR DETECTION)

NOT TO SCALE



LEGEND

- EXISTING CONDUIT CONTAINING CABLE
- PUSHED CONDUIT CONTAINING CABLE
- TRENCHED CONDUIT CONTAINING CABLE
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- PUSH BUTTON DETECTOR
- RADAR DETECTOR

STATE OF MISSOURI
ANGELA NELSON NUMBER
PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	189

COUNTY: JASPER
JOB NO.: JSR0060
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)

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

Hg Consult, Inc. engineers planners
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SIGNAL SHEET
SHEET 5 OF 6

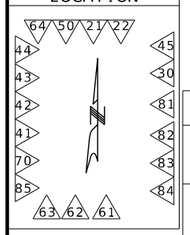
RT.96 & BAKER BLVD.
INTERSECTION

D-37D

RT96&BakerBlvd.dgn 9:36:32 AM 9/30/2026

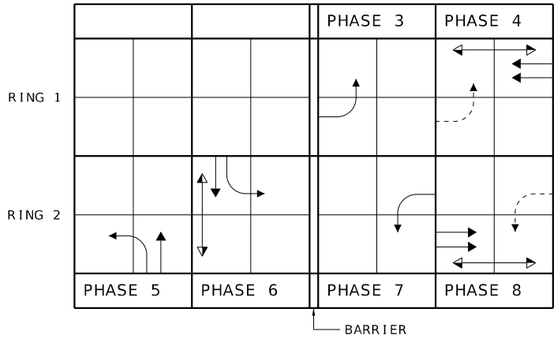
EFFECTIVE: 12-01-2017

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 3	PHASE 4		PHASE 5			PHASE 6		PHASE 7	PHASE 8				PED Ø4		PED Ø6		PED Ø8		OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	
FACE NUMBERS	30	41	42	30	50	21	22	61	62	70	81	82	83	70	44	45	63	64	84	85					FACE NUMBERS
SIGNAL INDICATIONS R	RL	R	R	RL	RL	R	R	R	R	RL	R	R	R	RL	DW	DW	DW	DW	DW	DW					R
SIGNAL INDICATIONS Y	YL	Y	Y	YL	YL	Y	Y	Y	Y	YL	Y	Y	Y	YL	FDW	FDW	FDW	FDW	FDW	FDW					Y
SIGNAL INDICATIONS FYL				FYL										FYL											FYL
SIGNAL INDICATIONS G	L	G	G	L	L	G	G	G	G	L	G	G	G	L	W	W	W	W	W	W					G
DETECTOR ASSIGNMENTS	30	41	42	30	50	21	22	61	62	70	81	81	82	70											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)															44	45	63	64	84	85					
OVERLAP PARENT PHASES																						4		8	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY -YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL PHASES	FR
	FY

CONTROLLER TYPE	2070

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT.96

WITH BAKER BLVD.

SIGNAL SHEET
SHEET 6 OF 6

D-38A

ANGELA NELSON NUMBER PE-2024007465
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	190

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

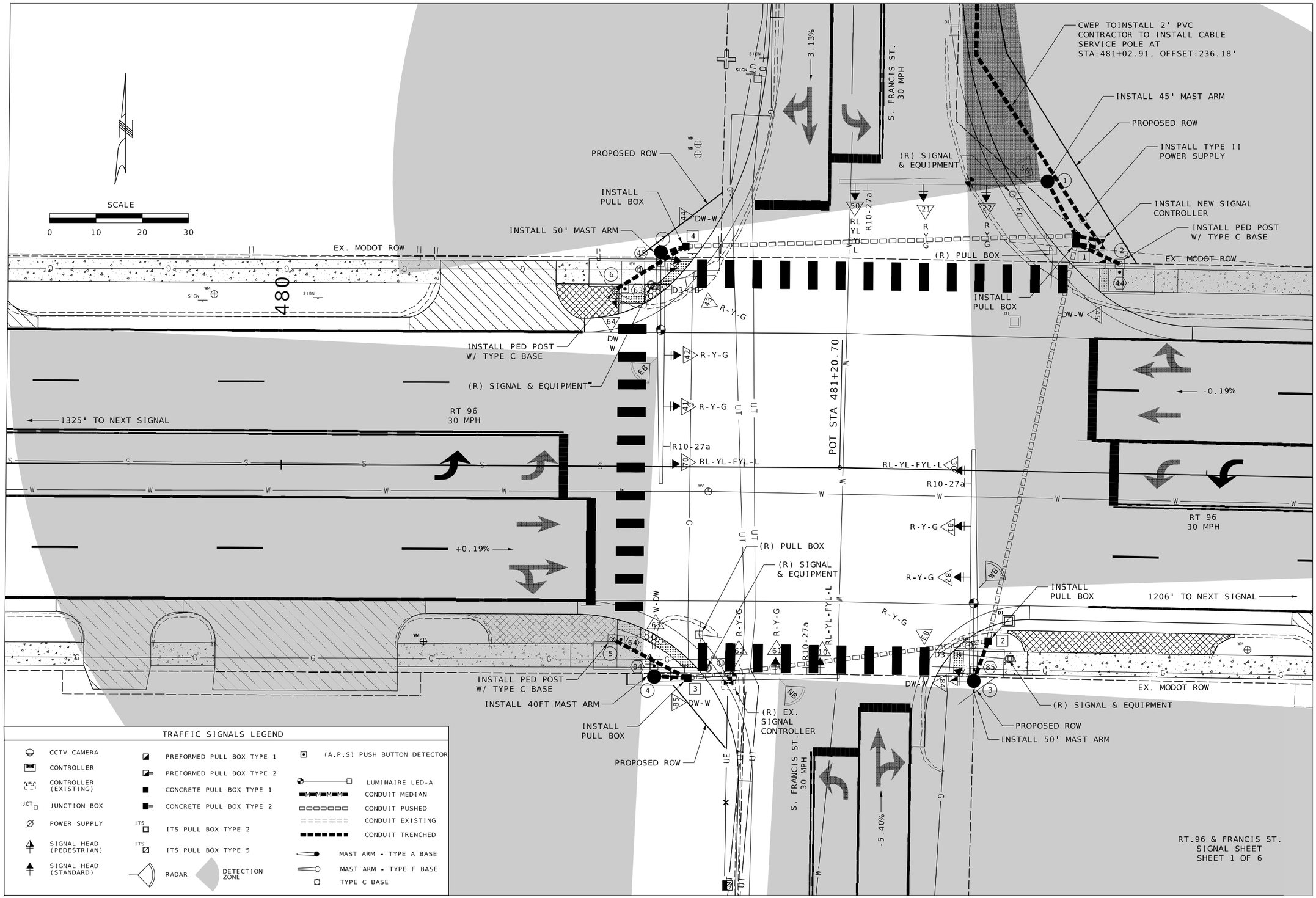
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

RT96&BakerBlvd.dgn 9:36:34 AM 9/30/2026



STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	191

COUNTY: JASPER

JOB NO.: JSR0060

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION

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

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

Hg Consult, Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153

Hg CONSULT, INC.
PRO. ENGINEER 2010005873

RT96&FrancisSt.dgn 9:36:46 AM 9/30/2026

EFFECTIVE: 07/01/2018

LOCATION / BASE

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)
1		RT 96	481+64.32	62.75'L				1										3.27
2		RT 96	481+80.28	45.27'L													1	0.44
3		RT 96	481+50.60	45.50'R										1				2.75
4		RT 96	480+80.85	45.22'R										1				2.75
5		RT 96	480+71.81	37.38'R													1	0.44
6		RT 96	480+72.30	38.38' L													1	0.44
7		RT 96	480+81.81	46.06' L										1				2.75
	1	RT 96	481+70.69	49.46'L														
	2	RT 96	481+53.43	37.00'R														
	3	RT 96	480+87.95	45.83'R														
	4	RT 96	480+87.11	47.64'L														
SUBTOTAL																		12.84
TOTAL																		12.9

PULL BOX / POST – TYPE C & CL

POST NUMBER	PULL BOX NUMBER	PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C	TOP MOUNT POST 4 FT.	8 FT.	ARM LENGTH 50	45	40		SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D
1																1			13	14	15		5	32	
2														1											
3															1					22	11	12	5	37	
4																	1		15	10	10		5	26	
5													1												
6														1											
7															1					20	11	13	5	34	
	1						1		1																
	2					1			1																
	3					1			1																
	4					1			1																
SUBTOTAL						3	1		(hatched)	(hatched)	(hatched)	(hatched)	1	2	2	1	1		(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)
TOTAL						3	1		(hatched)	(hatched)	(hatched)	(hatched)	1	2	2	1	1		(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)

POST – TYPE B & BL / LUMINAIRE BRACKET ARM*

POST NUMBER	ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																													1
2																													
3																													1
4																													1
5																													
6																													
7																													1
SUBTOTAL							(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)
TOTAL							(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)	(hatched)

SIGNAL HEADS

INDICATIONS * / VISORS *

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE LED-A	12" LENS CONVENTIONAL R	RL	Y	YL	FYL	FYR	G	S	L	Rt	PED (hand/person symbol)	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS 12" LENS	PED.
	4	10			1		1	1				1													4	
	4	61		1		1				1															3	
	4	62		1		1				1															3	
	3	30			1		1	1				1													4	
	3	81		1		1				1															3	
	3	82		1		1				1															3	
	3	83		1		1				1															3	
	1	50			1		1	1				1													4	
	1	21		1		1				1															3	
	1	22		1		1				1															3	
	7	70			1		1	1				1													4	
	7	41		1		1				1															3	
	7	42		1		1				1															3	
	7	43		1		1				1															3	
	7	44												1												1
	2	45												1												1
	5	63												1												1
	6	64												1												1
	3	84												1												1
	4	85												1												1
	4		1																							
	3		1																							
	1		1																							
	7		1																							
SUBTOTAL			4																							
TOTAL			4																							

LOUVERS * / BACKPLATE* / RETROREFLECTIVE BACKPLATE* / BRACKET* / ONE-FACE / TWO-FACE

POST NUMBER	FACE NUMBER	LOUVERS A	B	C	D	E	F	BACKPLATE LENSES 1	2	3	4	5	RETROREFLECTIVE LENSES 1	2	3	4	5	BRACKET TYPE I	II	III	ONE-FACE 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
4	10										1							1														1																			
4	61									1								1										1																							
4	62									1								1										1																							
3	30										1							1														1																			
3	81									1								1										1																							
3	82									1								1										1																							
3	83									1								1								1																									
1	50										1							1														1																			
1	21									1								1										1																							
1	22									1								1										1																							
7	70										1							1														1																			
7	41									1								1										1																							
7	42									1								1										1																							
7	43									1								1								1																									
7	44																	1				1																													
2	45																	1				1																													
5	63																	1				1																													
6	64																	1				1																													
3	84																	1				1																													
4	85																	1				1																													

	1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
SUBTOTAL OPTICALLY LIMITED																															
SUBTOTAL CONVENTIONAL		6				2		8				4																			
SUBTOTAL COMBINATION OL & CONV																															
TOTAL OPTICALLY LIMITED																															
TOTAL CONVENTIONAL		6				2		8				4																			
TOTAL COMBINATION OL & CONV																															

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND
T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

RT.96 & FRANCIS ST.
INTERSECTION

SIGNAL SHEET
SHEET 2 OF 6

STATE OF MISSOURI – ANGELA NELSON – NUMBER PE-2024007465 – PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026
ROUTE 96 | STATE MO
DISTRICT SW | SHEET NO. 192
COUNTY JASPER
JOB NO. JSR0060
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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

D-37A

EFFECTIVE: 10-01-2015

CONDUIT

FROM	TO	CENTER TO CENTER	LOOP DETECT	TRENCHED			PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"	4"	
SOURCE	PS		INSTALLED BY	CWEP												
PS	CA	7		15												
CA	PB1	5				16										2-4" TO PULLBOX
PB1	POLE1	13				16										
PB1	POLE2	11			12											TYPE C BASE
PB1	PB2	88														
PB2	POLE3	9				12										
PB2	PB3	66							64							
PB3	POLE4	7				10										
PB3	POLE5	18			19											TYPE C BASE
PB1	PB4	85							83							
PB4	POLE6	18			19											TYPE C BASE
PB4	POLE7	6				9										
SUBTOTALS			0	15	50	63	0	0	147	0	0	0	0	0	0	
PAY TOTALS			0	15	50	63	0	0	147	0	0	0	0	0	0	

CABLE

FROM	TO	CENTER TO CENTER	POWER		CONTROL				LIGHTING		DETECTOR		REMARKS
			1c-#2	1c-#8	2c-#16	5c-#16	7c-#16	12c-#12	CONTROL 2c-#12	POLE & BRACKET 1c-#10	RADAR CABLE	2c-#14 LEAD IN	
SOURCE	PS	235		834									x3 cables
PS	CA	7		69									x3 cables
CA	H10	166					253						
CA	H61,H62	166					248						
CA	H63	177				213							
CA	H85	166				202							INCLUDES JUMPER
CA	D84	166			201								
CA	D64	177			212								
CA	H64	108				138							
CA	D63	108			137								
CA	H70	96					187						
CA	H41,H42	96					179						INCLUDES JUMPER
CA	H43	96					129						
CA	H44	96				126							
CA	D45	96			125								
CA	H50	18					98						
CA	H21,H22	18					94						INCLUDES JUMPER
CA	H45	16				40							
CA	D44	16			39								
CA	H84	102				132							
CA	D85	102			131								
CA	H30	102					193						
CA	H81,H82	102					187						INCLUDES JUMPER
CA	H83	102					135						
CA	POLE1	18							35				
CA	POLE3	102							125				
CA	POLE4	166							195				
CA	POLE7	96							119				
POLE1	LUM 1									144			POLE & BRACKET X3
POLE4	LUM 2									144			POLE & BRACKET X3
POLE5	LUM 3									144			POLE & BRACKET X3
POLE8	LUM 4									144			POLE & BRACKET X3
CA	NB POLE 4	166									253		NB RADAR
CA	EB POLE 7	96									187		EB RADAR
CA	SB POLE 1	18									53		SB RADAR-ON POST
CA	WB POLE 3	102									193		WB RADAR
SUBTOTALS		0	903	845	851	1703	0	474	576	686	0		
PAY TOTALS		0	950	890	890	1790	0	500	600	720	0		INCLUDE 5% FOR SNAKING

INTERSECTION RT.96 & FRANCIS ST.

SIGNAL SHEET
SHEET 3 OF 6

D-37B

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 10/5/2026

ROUTE 96 | STATE MO

DISTRICT SW | SHEET NO. 193

COUNTY JASPER

JOB NO. JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION | DATE

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

Mg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Mg CONSULT, INC.
PRO. ENGINEER 2010005873

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RT.96 & FRANCIS ST.	481+72.11	54.57'L	Type 2		15 Amps	15 Amps	40 Amps	40 Amps	1	15 Amps	CI. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	CI. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			CABINET TYPE *		2070 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	OMNIEX	WAPITI
RT.96 & FRANCIS ST.	481+75.12	49.63'L		1															1		1	

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ***	90 X 18	11.3	22.6	2
2	D3-1B ***	72 X 18	9.0	18.0	2
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
4	R10-12A	30 X 36	7.5	30.0	4
3	R10-3eL	9 X 15	0.9	2.7	3
3	R10-3eR	9 X 15	0.9	2.7	3
		SUBTOTAL		76.0	14
		TOTAL		76.0	14

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	INDUCTION LOOP (2)			RADAR (APPROACH)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
44	FRANCIS ST.	1				
45	FRANCIS ST.	1				
63	RT.96	1				
64	RT.96	1				
84	FRANCIS ST.	1				
85	FRANCIS ST.	1				
Ø1/Ø6	SB POST 1					1
Ø2/Ø5	NB POST 4					1
Ø3/Ø8	EB POST 7					1
Ø4/Ø7	WB POST 3					1
TOTAL		6				4 #

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

\# FOR INFORMATION ONLY: RADAR TRAFFIC SIGNAL DETECTION. SEE JOB SPECIAL PROVISIONS



R10-12a



R10-3eR



R10-3eL



D3-1



D3-1B

2070 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U													(63) (64)	FLASH SENSE
	L												(44) (45)	(84) (85)	STOP TIME
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)
TOTAL NUMBER OF 242 DETECTOR ISOLATOR MODULES = (3)

PEDESTRIAN ISOLATOR MODULES - (1) 242 DC ISOLATOR MODULES TO BE INSTALLED IN THE "I" 12 SLOT AND (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 13 SLOT

FLASH SENSE & STOP TIME - (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 14 SLOT

2070 OUTPUT FILE ASSIGNMENTS

FR1	PH 1 R	PH 2 R		PH 3 R	PH 4 R	4 PED DW	MONITOR
FR2	YL FYL	Y G	PH 1 L	YL FYL	Y G	PH 3 L W	
FR3	PH 5 R	PH 6 R	6 PED DW	PH 7 R	PH 8 R	8 PED DW	
FR4	YL FYL	Y G	PH 5 L W	YL FYL	Y G	PH 7 L W	

NOTE: LET TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

SIGNAL SHEET
SHEET 4 OF 6

RT.96 & FRANCIS ST.
INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	194

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153

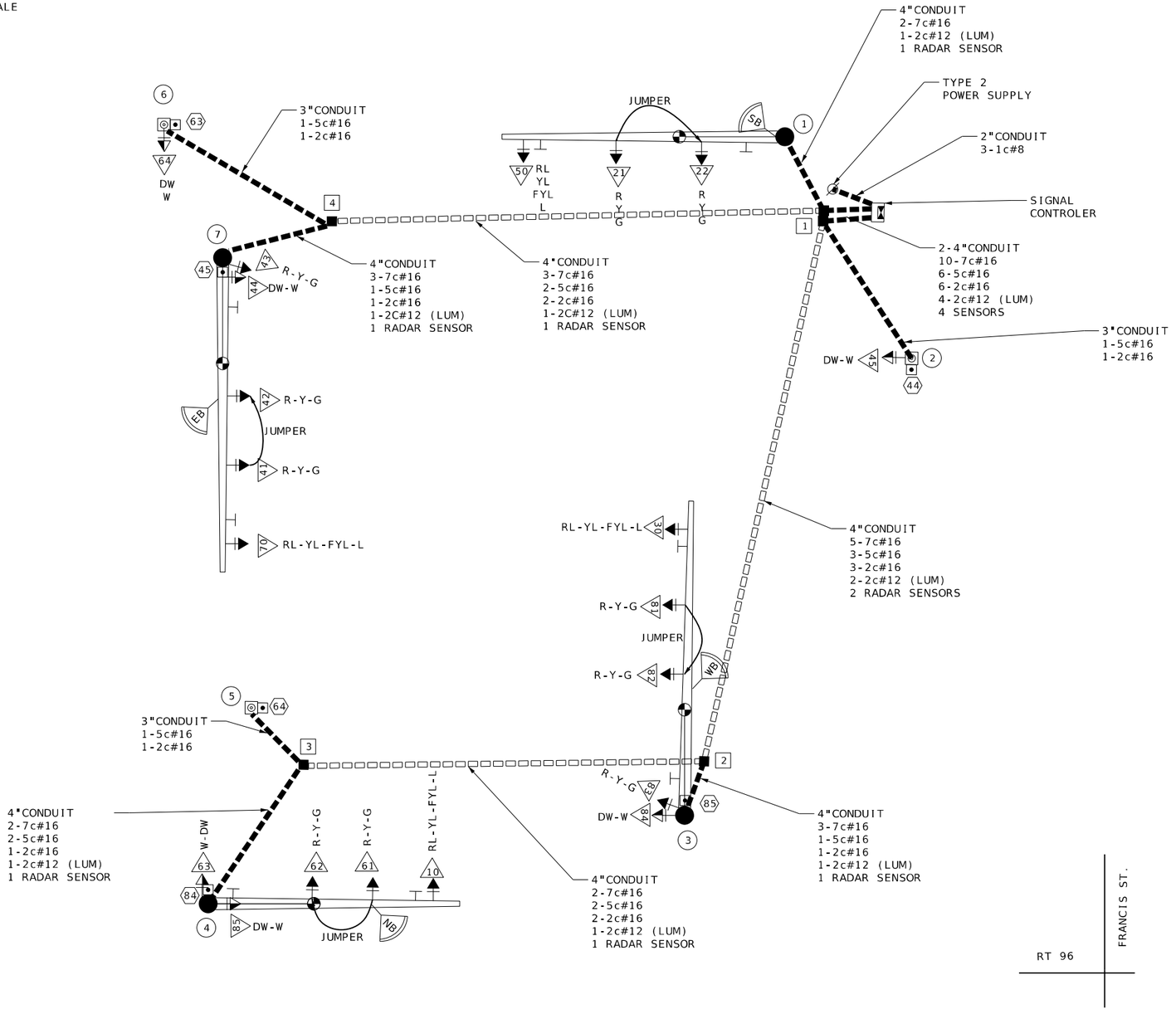
RT96&FrancisSt.dgn 9:36:53 AM 9/30/2026

EFFECTIVE 12-01-17

WIRING DIAGRAM

NOTES:
SENSOR CABLE- FOR INFORMATION ONLY
(RADAR DETECTION)

NOT TO SCALE



LEGEND

- EXISTING CONDUIT CONTAINING CABLE
- PUSHED CONDUIT CONTAINING CABLE
- TRENCHED CONDUIT CONTAINING CABLE
- CABLE
- X-Xc — MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC — #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- PUSH BUTTON DETECTOR
- RADAR DETECTOR

STATE OF MISSOURI
ANGELA NELSON NUMBER
PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	195

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

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

Hg Consult, Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SIGNAL SHEET
SHEET 5 OF 6

RT.96 & FRANCIS ST.

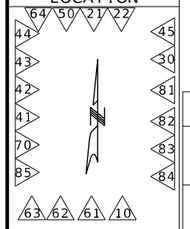
INTERSECTION

D-37D

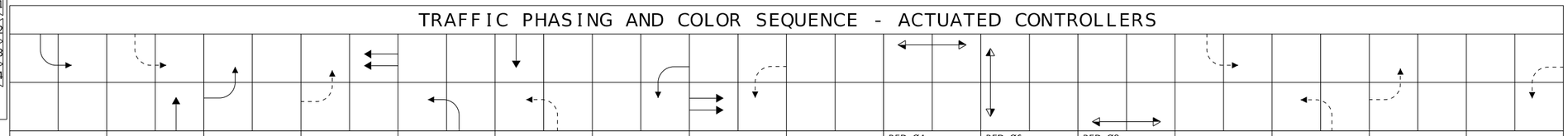
RT96&FrancisSt.dgn 9:36:55 AM 9/30/2026

EFFECTIVE: 12-01-2017

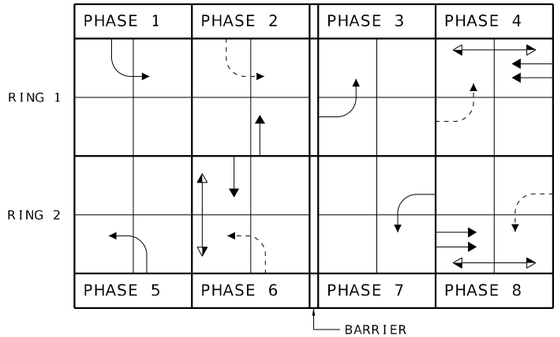
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø4	PED Ø6	PED Ø8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	
FACE NUMBERS	10	21 22 10	30	41 42 43 30	50	61 62 50	70	81 82 83 70	44 45	23 24	84 85					FACE NUMBERS
SIGNAL INDICATIONS R	RL	R R RL	RL	R R R RL	RL	R R RL	RL	R R R RL	DW DW	DW DW	DW DW					R
SIGNAL INDICATIONS Y	YL	Y Y YL	YL	Y Y Y YL	YL	Y Y YL	YL	Y Y Y YL	FDW FDW	FDW FDW	FDW FDW					Y
SIGNAL INDICATIONS FYL		FYL		FYL		FYL		FYL								FYL
SIGNAL INDICATIONS G	L	G G	L	G G G	L	G G	L	G G G	W W	W W	W W					G
DETECTOR ASSIGNMENTS	10	21 22 10	30	41 41 42 30	50	61 62 50	70	81 81 82 70								DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									44 45	63 64	84 85					
OVERLAP PARENT PHASES												2	6	4	8	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY -YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL PHASES	FR
	FY

CONTROLLER TYPE	2070

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT.96

WITH FRANCIS ST.

SIGNAL SHEET
SHEET 6 OF 6

D-38A

ANGELA NELSON NUMBER PE-2024007465
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	196

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

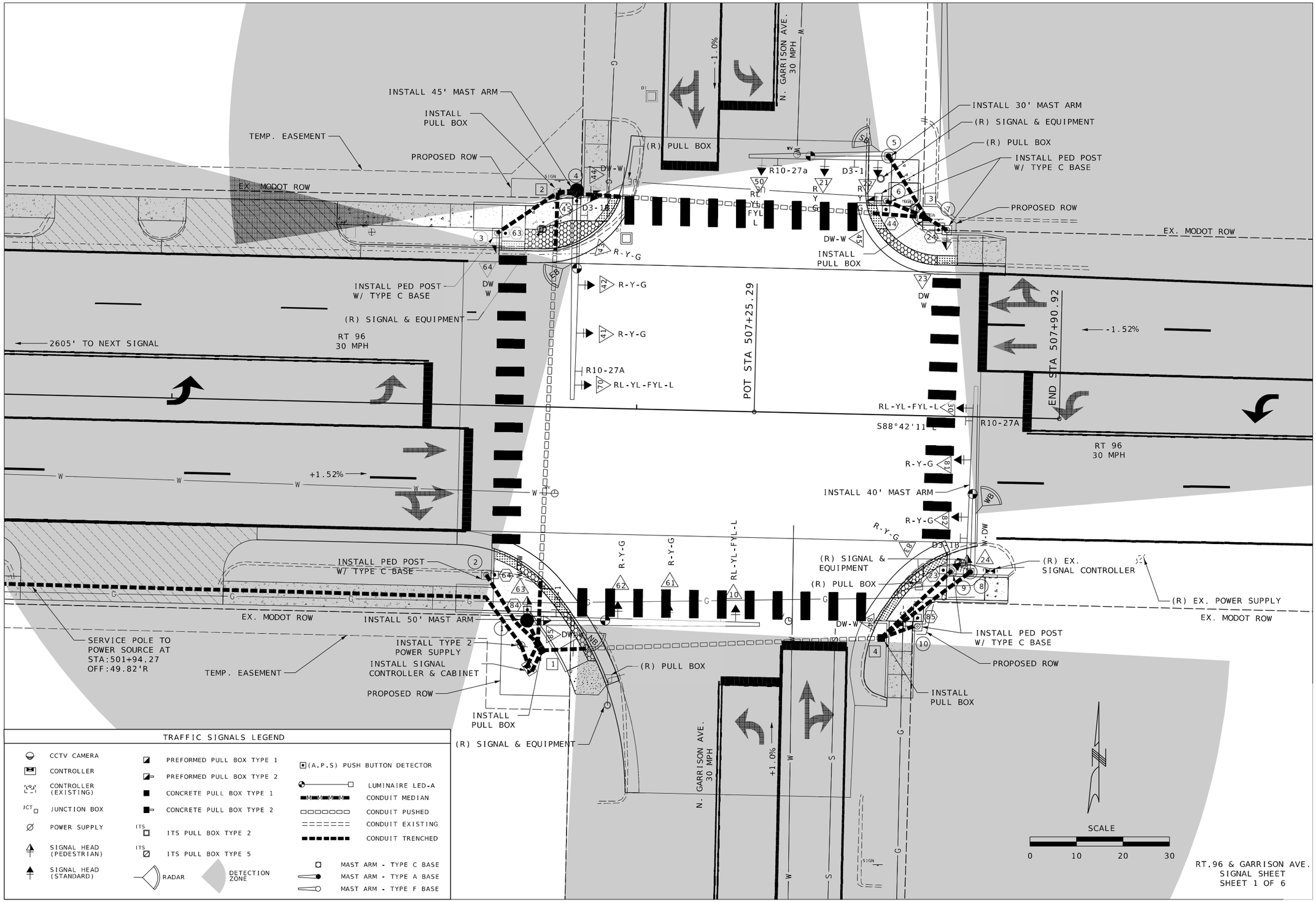
DESCRIPTION | DATE

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

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

RT96&FrancisSt.dgn 9:36:57 AM 9/30/2026



TRAFFIC SIGNALS LEGEND

- CCTV CAMERA
- CONTROLLER
- CONTROLLER (EXISTING)
- JUNCTION BOX
- POWER SUPPLY
- SIGNAL HEAD (PEDESTRIAN)
- SIGNAL HEAD (STANDARD)
- PREFORMED PULL BOX TYPE 1
- PREFORMED PULL BOX TYPE 2
- CONCRETE PULL BOX TYPE 1
- CONCRETE PULL BOX TYPE 2
- ITS PULL BOX TYPE 2
- ITS PULL BOX TYPE 5
- RADAR
- DETECTION ZONE
- (A.P.S) PUSH BUTTON DETECTOR
- LUMINAIRE LED-A
- CONDUIT MEDIAN
- CONDUIT PUSHED
- CONDUIT EXISTING
- CONDUIT TRENCHED
- MAST ARM - TYPE C BASE
- MAST ARM - TYPE A BASE
- MAST ARM - TYPE F BASE

ANGELA NELSON NUMBER PE-2024007465
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	197

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

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

Hg Consult, Inc engineers planners
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

RT96&GarrisonAve.dgn 9:37:03 AM 9/30/2026

EFFECTIVE: 07/01/2018

POST / PULL BOX / BASE

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)
1		RT 96	506+77.51	45.96' R				1										3.27
2		RT 96	506+68.51	36.37' R													1	0.44
3		RT 96	506+69.07	37.14' L													1	0.44
4		RT 96	506+86.03	46.75' L				1										3.27
5		RT 96	507+52.92	55.64' L								1						2.49
6		RT 96	507+52.64	45.97' L													1	0.44
7		RT 96	507+65.83	40.01' L													1	0.44
8		RT 96	507.72.50	33.36' R										1				2.75
9		RT 96	507+68.50	33.12' R													1	0.44
10		RT 96	507+61.43	45.29' R													1	0.44
	1	RT 96	506+80.38	51.59' R														
	2	RT 96	506+81.94	46.16' L														
	3	RT 96	507+61.26	45.97' L														
	4	RT 96	507+53.68	48.01' R														
SUBTOTAL																		14.42
TOTAL																		14.5

POST NUMBER	PULL BOX NUMBER	PULL BOX PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C	TOP MOUNT POST 4 FT.	8 FT.
1														
2													1	
3														1
4														
5														
6														1
7														1
8														
9													1	
10														1
	1						1		1					
	2		1						1					
	3		1						1					
	4					1			1					
SUBTOTAL			2			1	1						2	4
TOTAL			2			1	1						2	4

POST NUMBER	TYPE C & CL ARM LENGTH 50	45	30	40	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D
1	1				20	11	14		5	35	
4		1				19	10	11	5	23	
5			1		2	11	14		6	17	
8				1		11	12	11	7	25	
SUBTOTAL	1	1	1	1							
TOTAL	1	1	1	1							

POST NUMBER	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																													1
4																													1
5																													1
8																													1

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE LED-A	12" LENS CONVENTIONAL R	RL	Y	YL	FYL	FYR	G	S	L	Rt	PED (hand/walk)	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt
	1	10			1		1	1				1												
	1	61		1		1				1														
	1	62		1		1				1														
	8	30			1		1	1				1												
	8	81		1		1				1														
	8	82		1		1				1														
	8	83		1		1				1														
	5	50			1		1	1				1												
	5	21		1		1				1														
	5	22		1		1				1														
	4	70			1		1	1				1												
	4	41		1		1				1														
	4	42		1		1				1														
	4	43		1		1				1														
	7	23												1										
	8	24												1										
	4	44												1										
	6	45												1										
	1	63												1										
	3	64												1										
	10	84												1										
	1	85												1										
	1		1																					
	8		1																					
	5		1																					
	4		1																					
SUBTOTAL			4																					
TOTAL			4																					

POST NUMBER	FACE NUMBER	VISORS* 12" LENS	PED.	LOUVERS* A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III
1	10	4											1					1		1		
1	61	3										1								1		
1	62	3										1								1		
8	30	4											1							1		
8	81	3										1								1		
8	82	3										1								1		
8	83	3										1								1		
5	50	4											1							1		
5	21	3										1								1		
5	22	3										1								1		
4	70	4											1							1		
4	41	3										1								1		
4	42	3										1								1		
4	43	3										1								1		
7	23		1																	1		
8	24		1																	1		
4	44		1																	1		
6	45		1																	1		
1	63		1																	1		
3	64		1																	1		
10	84		1																	1		
1	85		1																	1		

POST NUMBER	FACE NUMBER	ONE-FACE SECTION 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE SECTIONS 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
1	10												1																			
1	61								1																							
1	62								1																							
8	30												1																			
8	81								1																							
8	82								1																							
8	83						1																									
5	50												1																			
5	21								1																							
5	22								1																							
4	70												1																			
4	41								1																							
4	42								1																							
4	43						1																									
7	23		1																													
8	24		1																													
4	44		1																													
6	45		1																													
1	63		1																													
3	64		1																													
10	84		1																													
1	85		1																													
SUBTOTAL OPTICALLY LIMITED																																
SUBTOTAL CONVENTIONAL			8				2		8				4																			
SUBTOTAL COMBINATION OL & CONV																																
TOTAL OPTICALLY LIMITED																																
TOTAL CONVENTIONAL			8				2		8				4																			
TOTAL COMBINATION OL & CONV																																

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND
- T - TOP MOUNT
- S - SIDE MOUNT
- C - SPANWIRE MOUNT
- B - MAST ARM MOUNT

RT.96 & GARRISON AVE.
INTERSECTION

SIGNAL SHEET
SHEET 2 OF 6

D-37A

STATE OF MISSOURI — ANGELA NELSON — NUMBER PE-2024007465 — PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED	
9/30/2026	
ROUTE 96	STATE MO
DISTRICT SW	SHEET NO. 198
COUNTY JASPER	
JOB NO. JSR0060	
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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

CONDUIT

FROM	TO	CENTER TO CENTER	LOOP DETECT	TRENCHED			PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"	4"	
SOURCE	PS	488		492												
PS	CA	5		13												
CA	PB1	10				26										2-4" TO PULLBOX
PB1	POLE1	6				9										
PB1	POLE2	19			20											TYPE C BASE
PB1	PB2	26				24										TRENCH SECTION X2
PB1	PB2	71							71							PUSHED SECTION
PB2	POLE3	15			16											TYPE C BASE
PB2	POLE4	4				7										
PB2	PB3	26				24										TRENCH SECTION
PB2	PB3	54							54							PUSHED SECTION
PB3	POLE5	16				19										
PB3	POLE6	9			10											TYPE C BASE
PB3	POLE7	5			6											TYPE C BASE
PB1	PB4	10				9										TRENCH SECTION
PB1	PB4	63							62							PUSHED SECTION
PB4	POLE8	24				27										
PB4	POLE9	21			22											TYPE C BASE
PB4	POLE10	8			9											TYPE C BASE
SUBTOTALS		0		505	83	145	0	0	187	0	0	0	0	0	0	
PAY TOTALS		0		505	83	145	0	0	187	0	0	0	0	0	0	

CABLE

FROM	TO	CENTER TO CENTER	POWER		CONTROL				LIGHTING		DETECTOR		REMARKS
			1c-#2	1c-#8	2c-#16	5c-#16	7c-#16	12c-#12	CONTROL 2c-#12	POLE & BRACKET 1c-#10	RADAR CABLE	2c-#14 LEAD IN	
SOURCE	PS	488		1593									x3 cables
PS	CA	5		63									x3 cables
CA	H10	10					95						
CA	H61, H62	10					87						
CA	H63	10				34							
CA	H85	10				34							INCLUDES JUMPER
CA	D84	10			33								
CA	D64	10			33								
CA	H64	117				147							
CA	D63	117			146								
CA	H70	106					192						
CA	H41,H42	106					183						INCLUDES JUMPER
CA	H43	106					139						
CA	H44	106				136							
CA	D45	106			135								
CA	H50	198					275						
CA	H21,H22	198					265						INCLUDES JUMPER
CA	H45	191				227							
CA	D44	191			226								
CA	H23	187				223							
CA	D24	187			222								
CA	H84	86				116							
CA	D85	86			115								
CA	H24	99				132							
CA	D23	99			128								
CA	H30	102					178						
CA	H81,H82	102					169						INCLUDES JUMPER
CA	H83	102					135						
CA	POLE1	10							27				
CA	POLE4	106							123				
CA	POLE5	198							215				
CA	POLE8	102							119				
POLE1	LUM 1									144			POLE & BRACKET X3
POLE4	LUM 2									144			POLE & BRACKET X3
POLE5	LUM 3									144			POLE & BRACKET X3
POLE8	LUM 4									144			POLE & BRACKET X3
CA	NB POLE 1	10									95		NB RADAR
CA	EB POLE 4	106									192		EB RADAR
CA	SB POLE 5	198									245		SB RADAR
CA	WB POLE 8	102									172		WB RADAR
SUBTOTALS			0	1656	1038	1049	1718	0	484	576	704	0	
PAY TOTALS			0	1740	1090	1100	1800	0	510	600	740	0	INCLUDE 5% FOR SNAKING

SIGNAL SHEET
SHEET 3 OF 6

INTERSECTION RT.96 & GARRISON AVE.

D-37B

RT96&GarrisonAve.dgn 9:37:08 AM 9/30/2026

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
SW	199

COUNTY JASPER

JOB NO. JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

Mg Consult Inc engineers planners
7733 N. Wallace Ave.| Kansas City, MO 64158| (816)256-5153

Mg CONSULT, INC.
PRO. ENGINEER 2010005873

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
RT.96 & N.GARRISON AVE.	506+76.38	51.27'R	Type 2		15 Amps	15 Amps	40 Amps	40 Amps	1	15 Amps	CI. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	CI. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			CABINET TYPE *		2070 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	OMNIEX	WAPITI
RT.96 & N. GARRISON AVE.	506+78.22	56.16'R		1															1		1	

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ***	90 X 18	11.3	22.6	2
2	D3-1B ***	84 X 18	10.5	21.0	2
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
4	R10-12A	30 X 36	7.5	30.0	4
4	R10-3eL	9 X 15	0.9	3.6	4
4	R10-3eR	9 X 15	0.9	3.6	4
		SUBTOTAL		80.8	16
		TOTAL		80.8	16

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (APS)	INDUCTION LOOP (2)			RADAR (APPROACH)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
23	RT.96	1				
24	RT.96	1				
44	N. GARRISON AVE.	1				
45	N. GARRISON AVE.	1				
63	RT.96	1				
64	RT.96	1				
84	N. GARRISON AVE.	1				
85	N. GARRISON AVE.	1				
Ø1/Ø6	SB POST 5					1
Ø2/Ø5	NB POST 1					1
Ø3/Ø8	EB POST 4					1
Ø4/Ø7	WB POST 8					1
TOTAL		8				4 #

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

FOR INFORMATION ONLY: RADAR TRAFFIC SIGNAL DETECTION. SEE JOB SPECIAL PROVISIONS



R10-12a



R10-3eR



R10-3eL



D3-1



D3-1B

2070 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U												23 / 24	63 / 64	FLASH SENSE
	L												44 / 45	84 / 85	STOP TIME
"J"	U														
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)
TOTAL NUMBER OF 242 DETECTOR ISOLATOR MODULES = (3)

PEDESTRIAN ISOLATOR MODULES - (1) 242 DC ISOLATOR MODULES TO BE INSTALLED IN THE "I" 12 SLOT AND (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 13 SLOT

FLASH SENSE & STOP TIME - (1) 242 DC ISOLATOR MODULE TO BE INSTALLED IN THE "I" 14 SLOT

2070 OUTPUT FILE ASSIGNMENTS

FR1	PH 1 R	PH 2 R	2 PED DW	PH 3 R	PH 4 R	4 PED DW	MONITOR
FR2	YL FYL	Y G	PH 1 L W	YL FYL	Y G	PH 3 L W	
FR3	PH 5 R	PH 6 R	6 PED DW	PH 7 R	PH 8 R	8 PED DW	
FR4	YL FYL	Y G	PH 5 L W	YL FYL	Y G	PH 7 L W	

NOTE: LET TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

SIGNAL SHEET
SHEET 4 OF 6

RT.96 & GARRISON AVE.
INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON NUMBER
PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
10/13/2026

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
SW	200

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

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

Hg CONSULT, INC.
PRO. ENGINEER 2010005873
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153

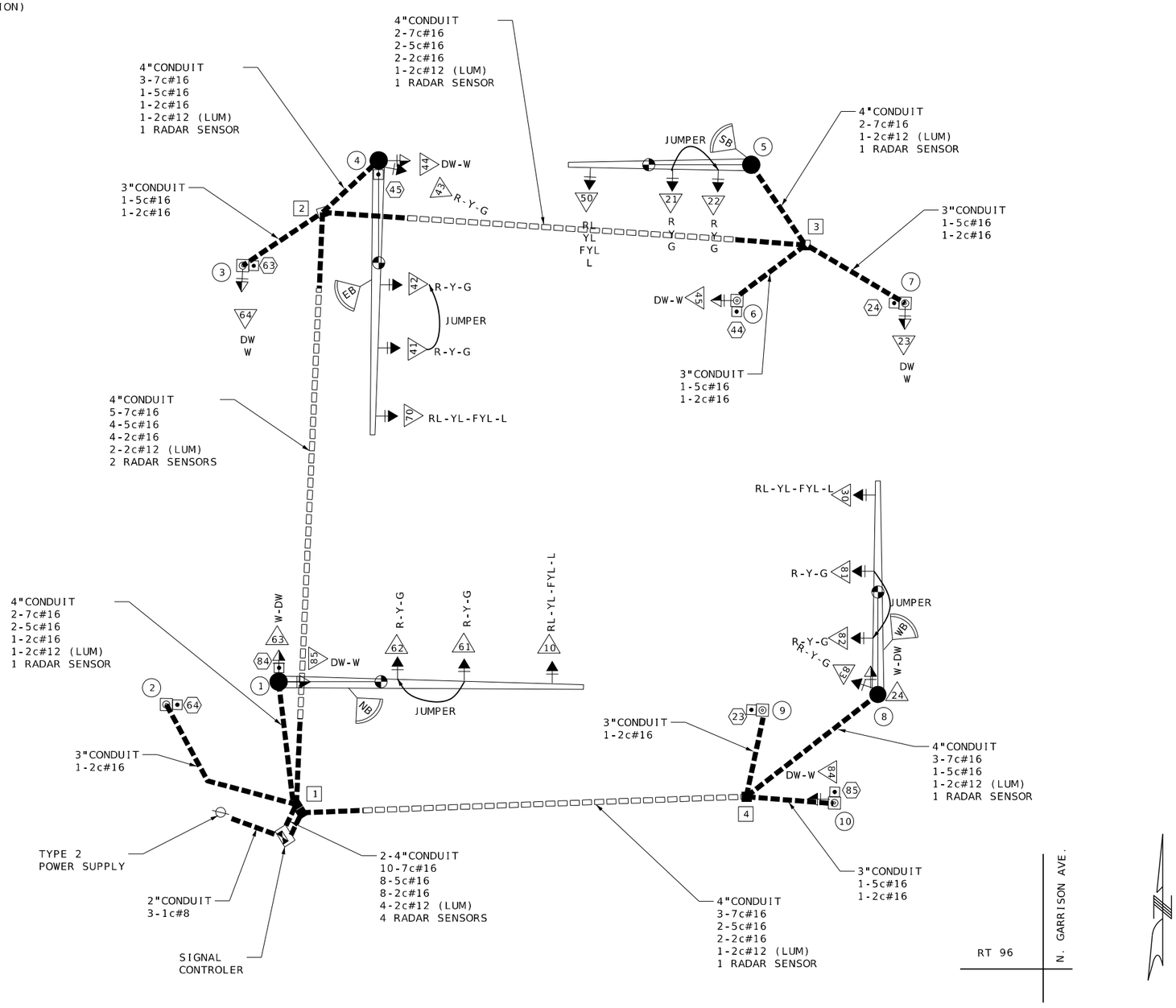
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EFFECTIVE 12-01-17

WIRING DIAGRAM

NOTES:
SENSOR CABLE- FOR INFORMATION ONLY
(RADAR DETECTION)

NOT TO SCALE



LEGEND

==========	EXISTING CONDUIT CONTAINING CABLE
□□□□□□□□□□	PUSHED CONDUIT CONTAINING CABLE
- - - - - -	TRENCHED CONDUIT CONTAINING CABLE
———	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	PUSH BUTTON DETECTOR
	RADAR DETECTOR

STATE OF MISSOURI
ANGELA NELSON NUMBER
PE-2024007465
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	201

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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

Hg Consult inc engineers planners
7733 N. Wallace Ave.t Kansas City, MO 64158! (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

SIGNAL SHEET
SHEET 5 OF 6

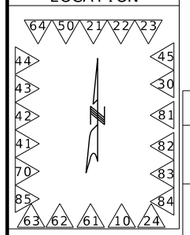
RT.96 & GARRISON AVE.
INTERSECTION

D-37D

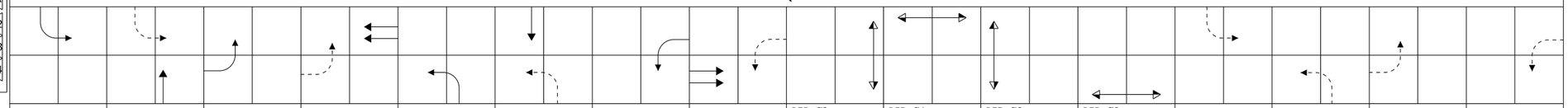
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EFFECTIVE: 12-01-2017

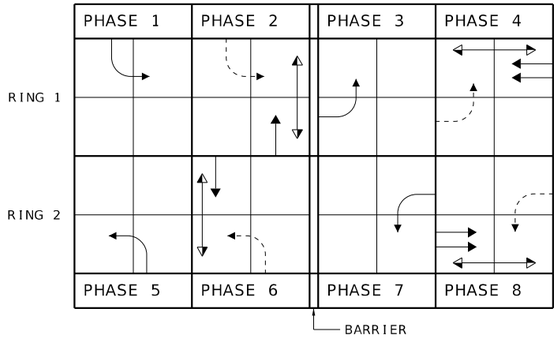
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2	PED Ø4	PED Ø6	PED Ø8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	
FACE NUMBERS	10	21 22 10	30	41 42 43 30	50	61 62 50	70	81 82 83 70	23 24	44 45	63 64	84 85					FACE NUMBERS
SIGNAL INDICATIONS R	RL	R R RL	RL	R R R RL	RL	R R RL	RL	R R R RL	DW DW	DW DW	DW DW	DW DW					R
SIGNAL INDICATIONS Y	YL	Y Y YL	YL	Y Y Y YL	YL	Y Y YL	YL	Y Y Y YL	FDW FDW	FDW FDW	FDW FDW	FDW FDW					Y
SIGNAL INDICATIONS FYL		FYL		FYL		FYL		FYL									FYL
SIGNAL INDICATIONS G	L	G G	L	G G G	L	G G	L	G G G	W W	W W	W W	W W					G
DETECTOR ASSIGNMENTS	10	21 22 10	30	41 41 42 30	50	61 62 50	70	81 81 82 70									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	44 45	63 64	84 85					
OVERLAP PARENT PHASES													2	6	4	8	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY -YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL PHASES	FR
	FY

CONTROLLER TYPE	2070

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT.96

WITH GARRISON AVE.

SIGNAL SHEET
SHEET 6 OF 6

D-38A

ANGELA NELSON NUMBER PE-2024007465
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	202

COUNTY: JASPER

JOB NO.: JSR0060

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

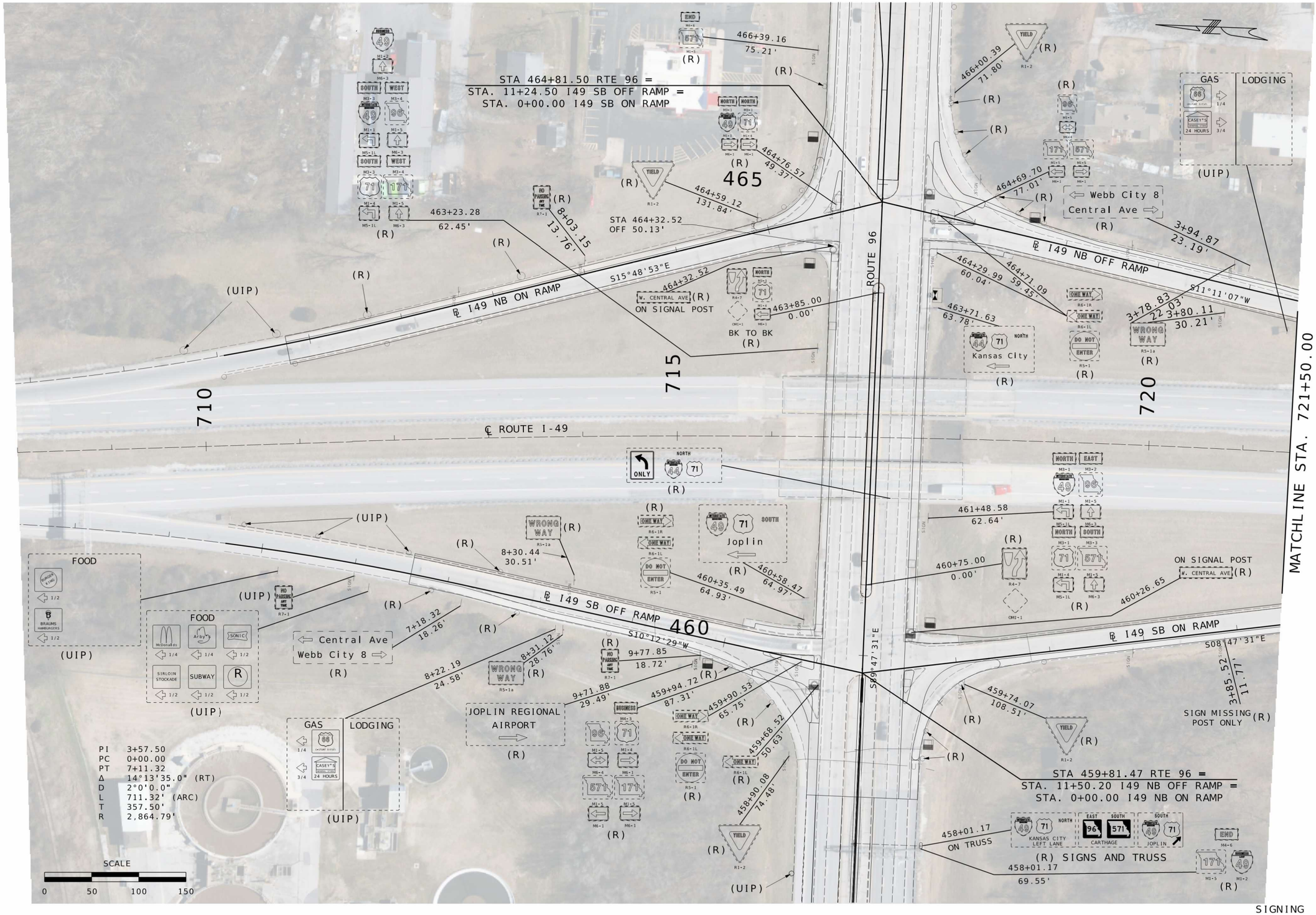
DESCRIPTION	DATE

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

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

Hg CONSULT, INC.
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
PRO. ENGINEER 2010005873

RT96&GarrisonAve.dgn 9:37:15 AM 9/30/2026



SIGNING
SHEET 1 OF 36

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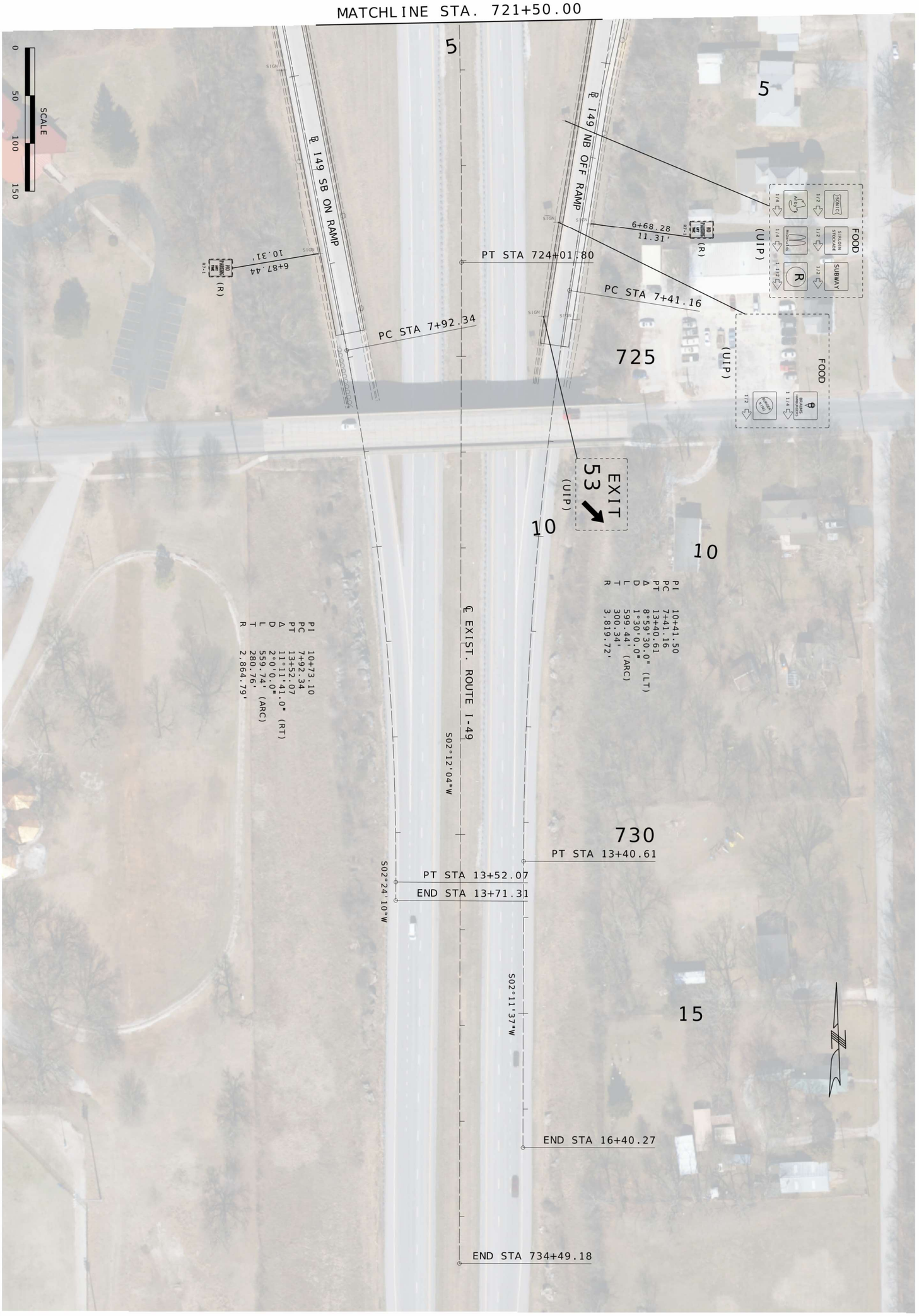
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/7/2026
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	203
COUNTY	JASPER
JOB NO.	JSR0060
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



SIGNING
SHEET 2 OF 36

...\002_SN_02_36_JSR0060_RTE96_I50.dgn 4:05:04 PM 8/7/2026

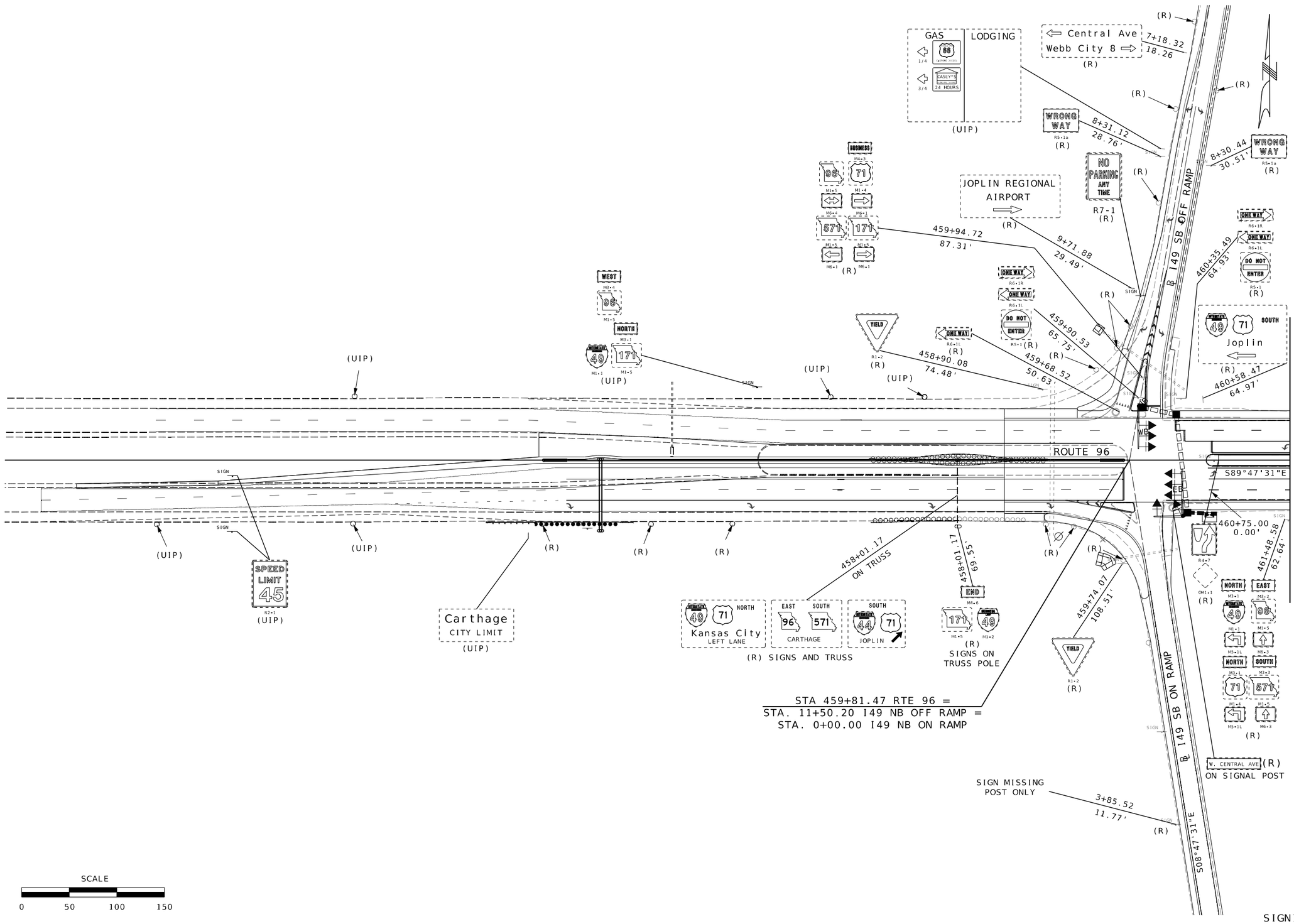
OWN
Engineering beyond.
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID.
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 204
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
NUMBER E-27133



SIGNING
SHEET 3 OF 36

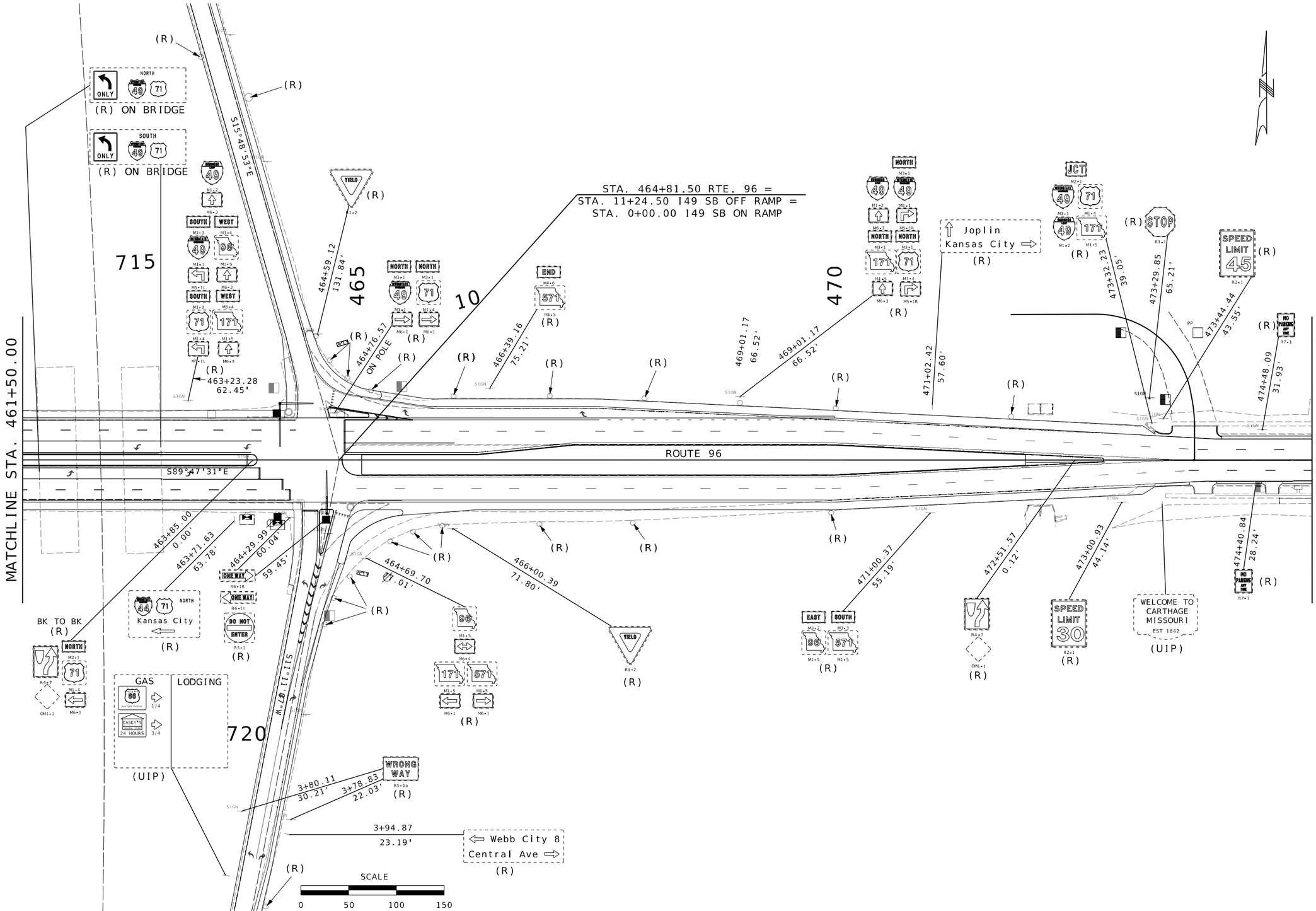
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/7/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	205
COUNTY	
JASPER	
JOB NO.	
JSR0060	
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.



SIGNING
SHEET 4 OF 36

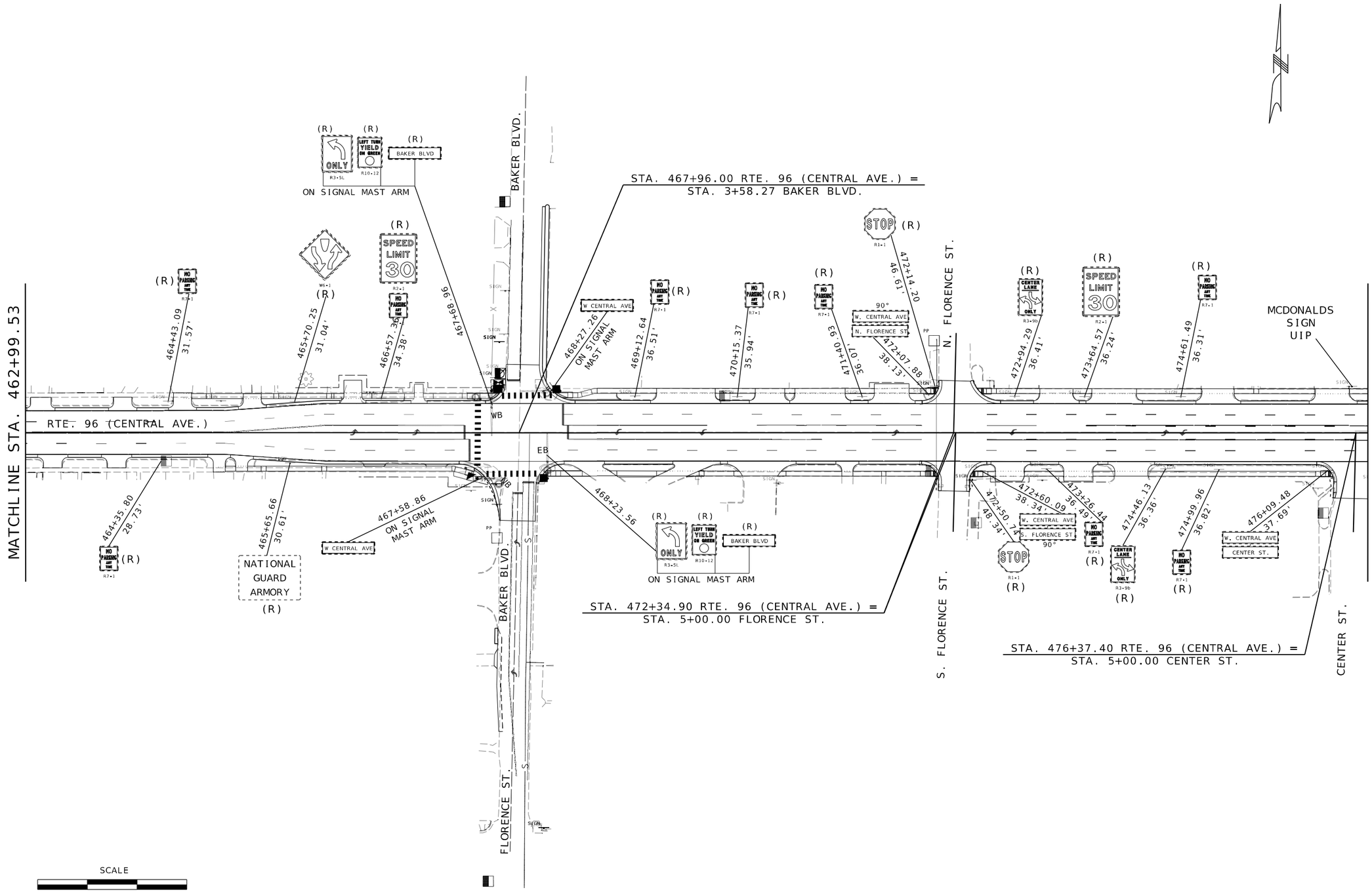
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	206
COUNTY	JASPER
JOB NO.	JSR0060
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.



SIGNING
SHEET 5 OF 36

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

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	207
COUNTY	JASPER
JOB NO.	JSR0060
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.

MATCHLINE STA. 476+49.53

MATCHLINE STA. 489+99.53

RTE. 96 (CENTRAL AVE.)

480

485

FRANCIS ST.

N. BLANCHE ST.

S. BLANCHE ST.

STA. 487+73.50 RTE. 96 (CENTRAL AVE.) =
STA. 5+00.00 BLANCHE ST.

STA. 481+20.78 RTE. 96 (CENTRAL AVE.) =
STA. 3+45.68 FRANCIS ST.

ON SIGNAL MAST ARM

ON SIGNAL MAST ARM

ON SIGNAL MAST ARM

477+04.68
35.80'

478+14.49
36.88'

478+72.94
35.95'

479+82.85
35.47'

480+07.76
36.16'

480+79.72

481+03.87

481+56.79

483+06.59
37.09'

484+18.70
35.77'

486+60.65
37.83'

486+95.28
36.46'

487+45.65
37.92'

487+56.88
52.97'

477+65.65
38.80'

480+91.73

481+57.93

482+70.31
38.22'

483+37.35
38.56'

483+63.38
36.67'

486+05.72
36.12'

488+03.13
37.13'

487+91.51
49.51'

SCALE
0 50 100 150

SIGNING
SHEET 6 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	208

COUNTY
JASPER

JOB NO.
JSR0060

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.

...\006_SN_06_36_JSR0060_RTE96_I50.dgn 4:06:25 PM 8/7/2026

SIGNING
SHEET 7 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	209

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

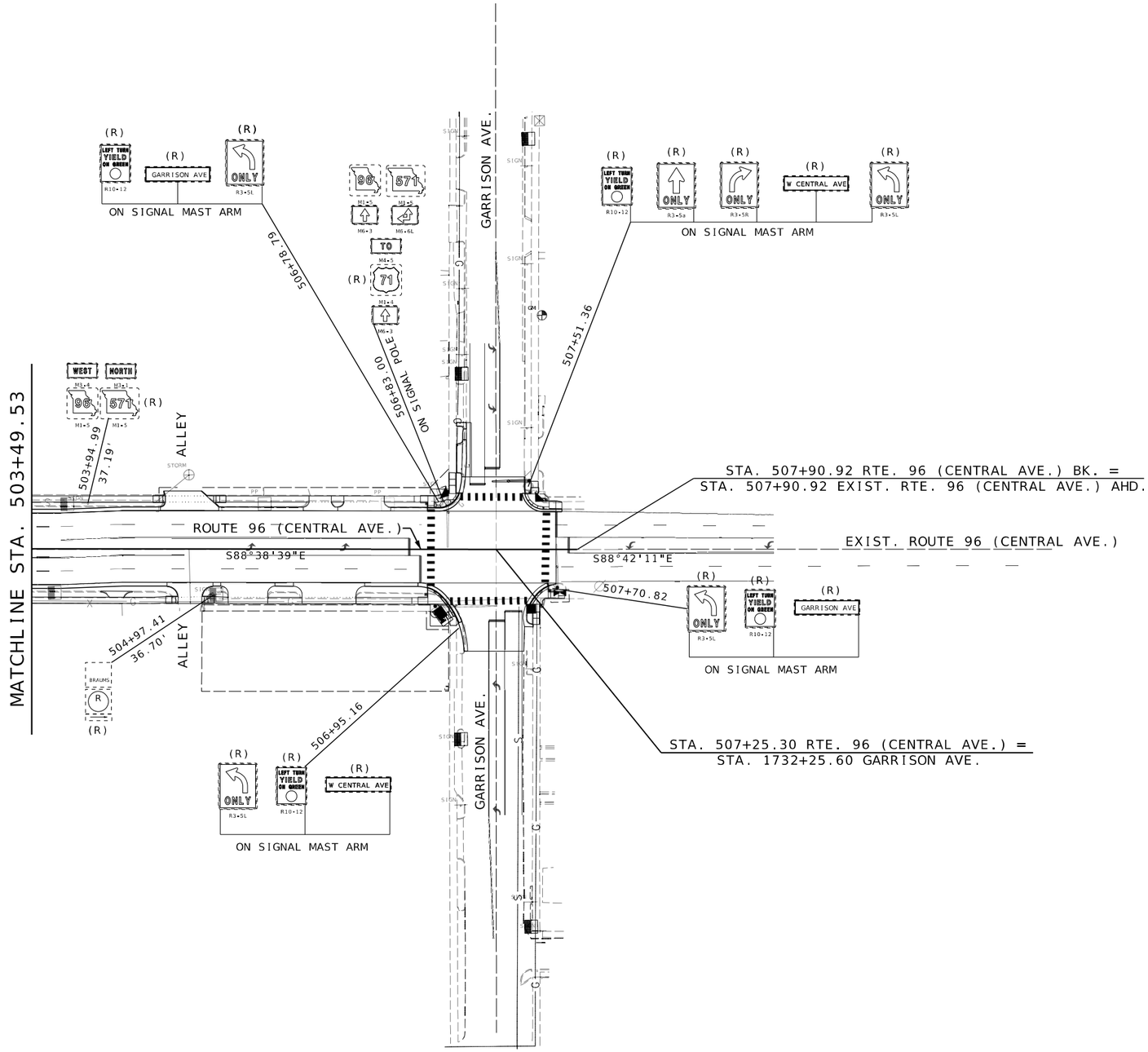
PROJECT NO.
-

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.



SIGNING
SHEET 8 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	210

COUNTY
JASPER

JOB NO.
JSR0060

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

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	211
COUNTY	JASPER
JOB NO.	JSR0060
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

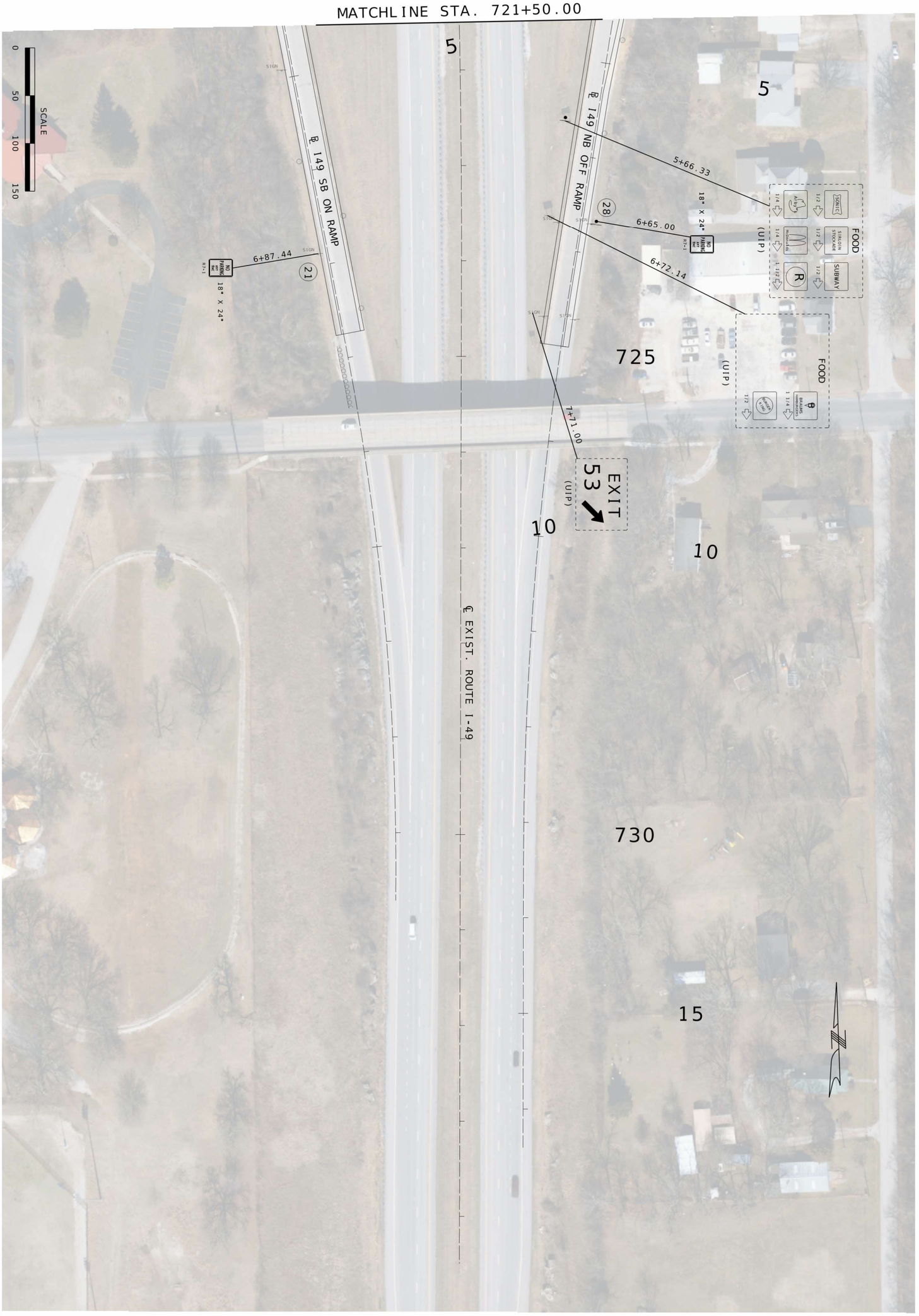
Engineering beyond.

PI 3+57.50
PC 0+00.00
PT 7+11.32
Δ 14°13'35.0" (RT)
D 2°0'0.0"
L 711.32' (ARC)
T 357.50'
R 2,864.79'

SCALE
0 50 100 150

SIGNING
SHEET 9 OF 36

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SIGNING
SHEET 10 OF 36

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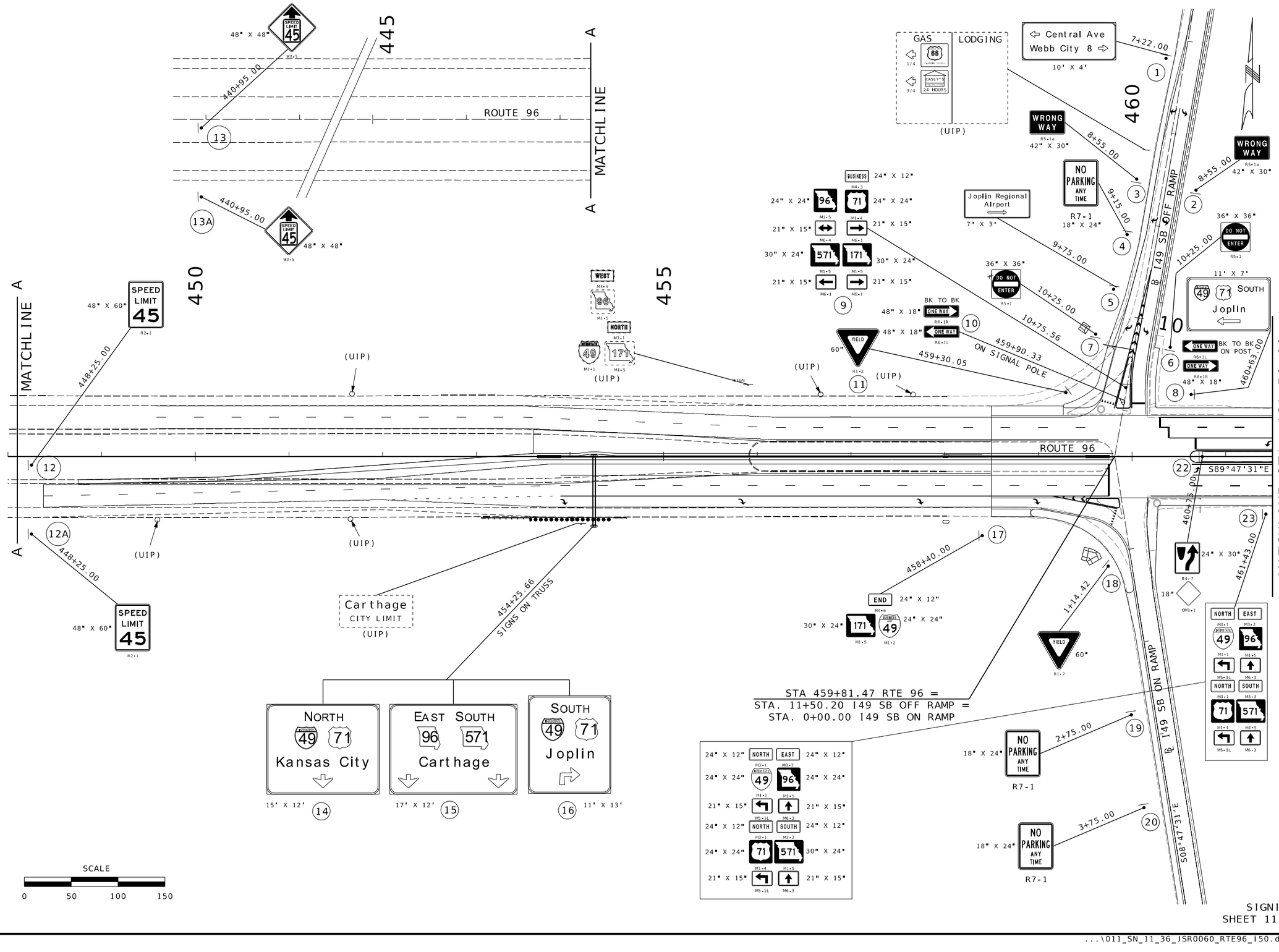
OWN
Engineering beyond.
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID.
JOB NO. JSR0060
COUNTY JASPER
DISTRICT SW
SHEET NO. 212
ROUTE 96
STATE MO
DATE PREPARED 8/7/2026

STATE OF MISSOURI
JEFFREY W. KRAMER
NUMBER E-27133
PROFESSIONAL ENGINEER



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

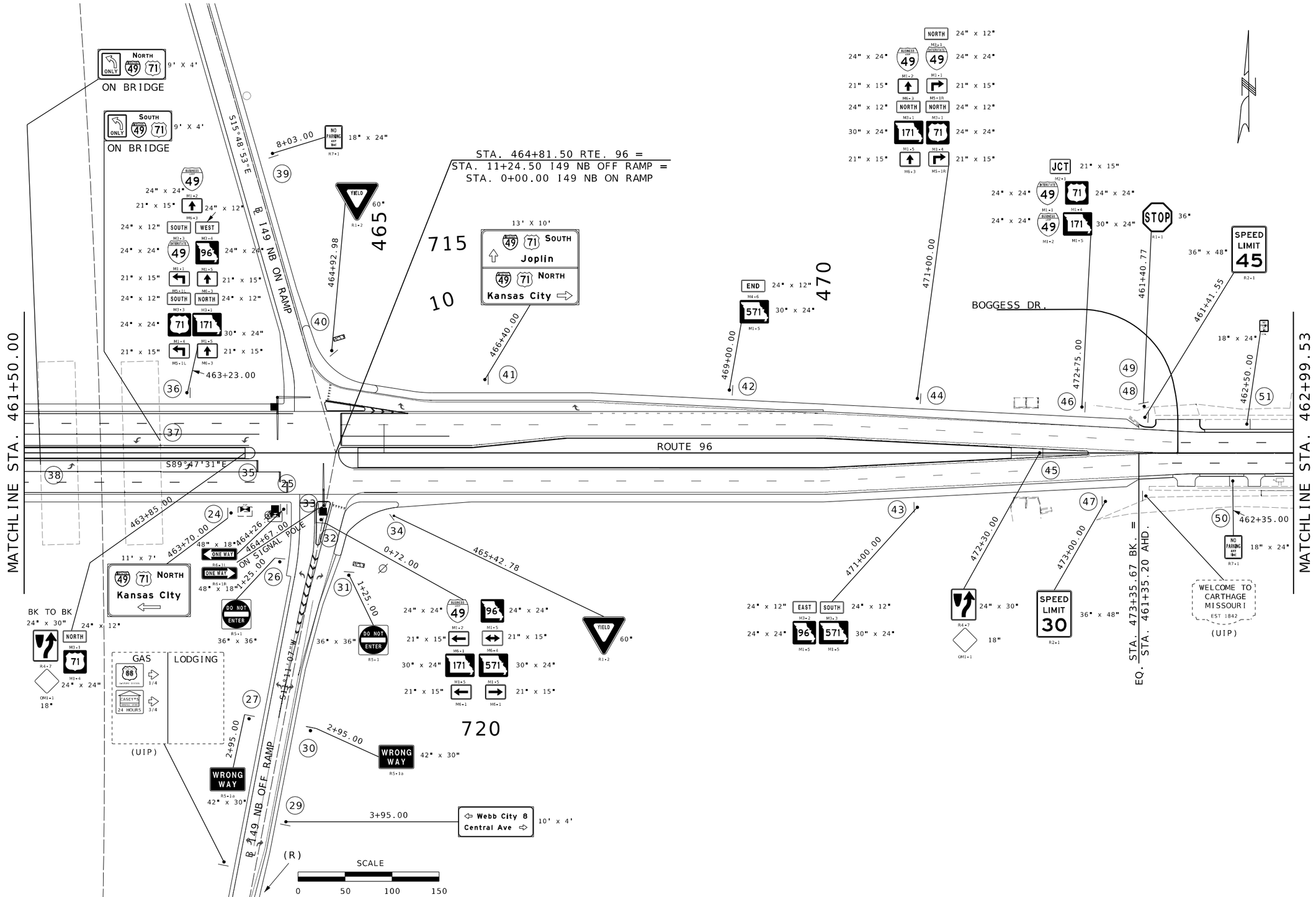
DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	213
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
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SIGNING
SHEET 11 OF 36



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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	214
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION

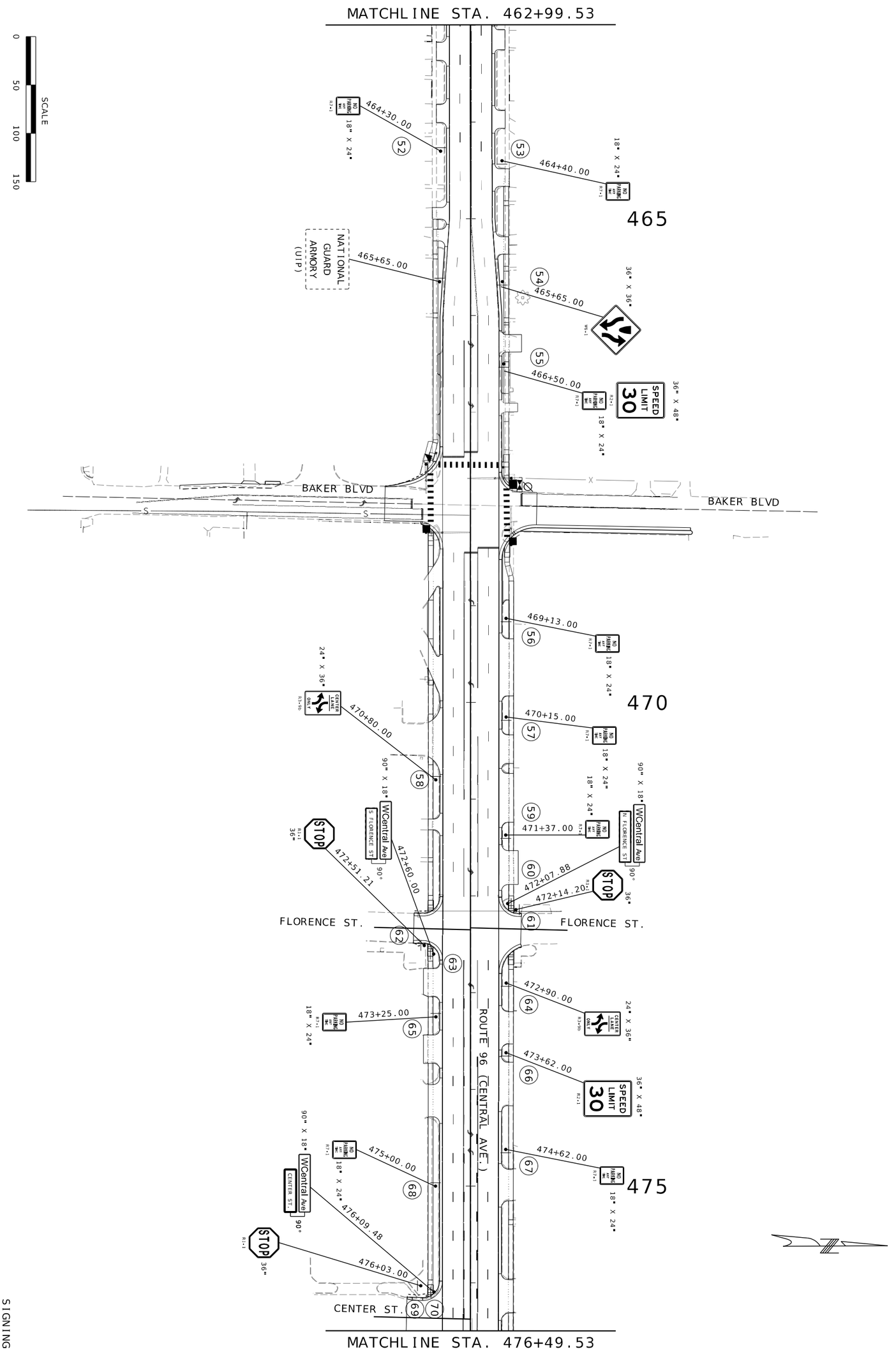
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairdawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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SIGNING
SHEET 12 OF 36



SIGNING
SHEET 13 OF 36

OWN
Engineering beyond.
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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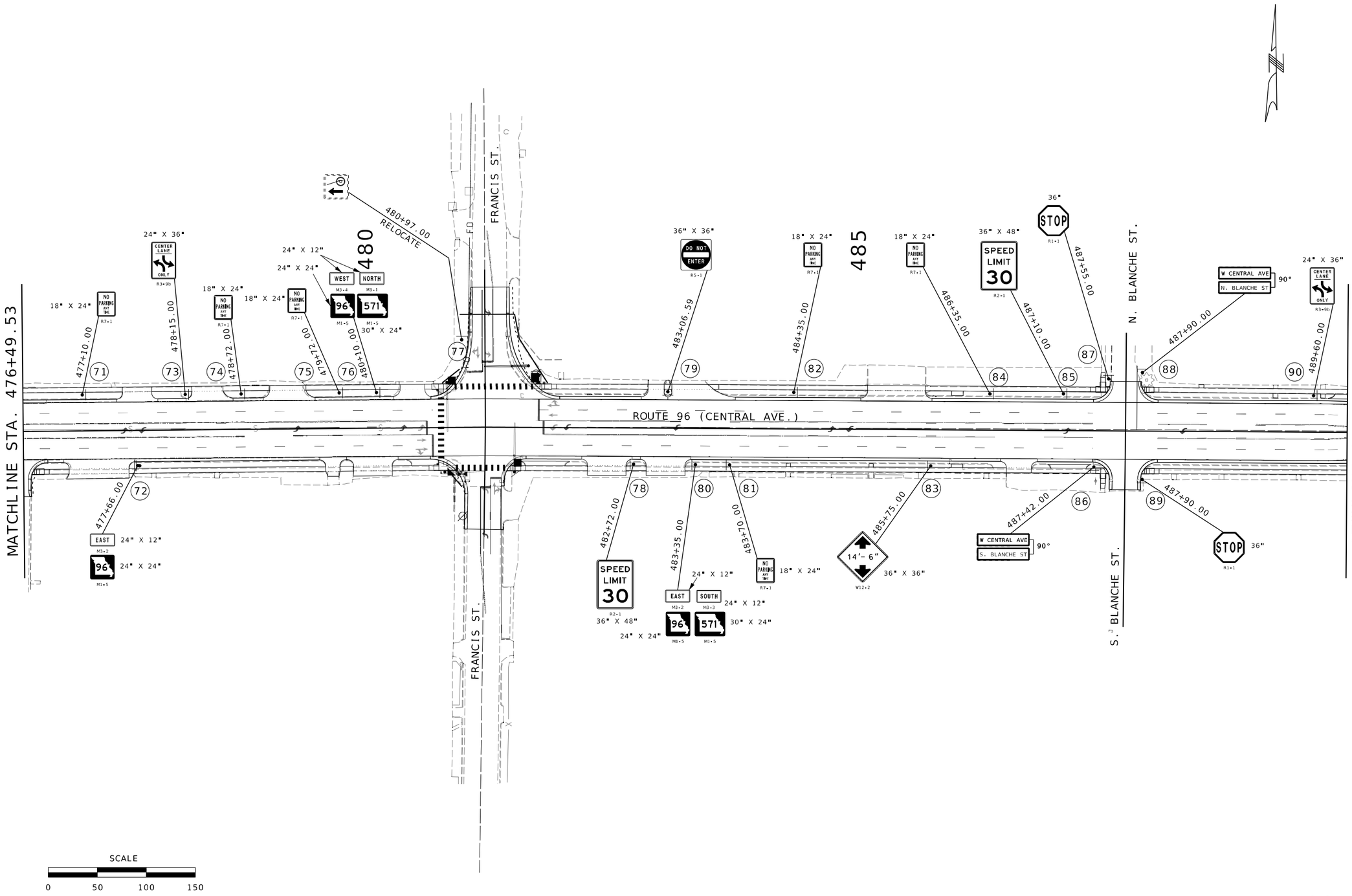
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION

BRIDGE NO. -
PROJECT NO. -
CONTRACT ID. JSR0060
JOB NO. JASPER
COUNTY SW
DISTRICT 96
ROUTE MO
STATE 215
SHEET NO.
DATE PREPARED 8/7/2026

STATE OF MISSOURI
BRADLEY K. HUNGER
E-27133
PROFESSIONAL ENGINEER

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SIGNING
SHEET 14 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	216

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

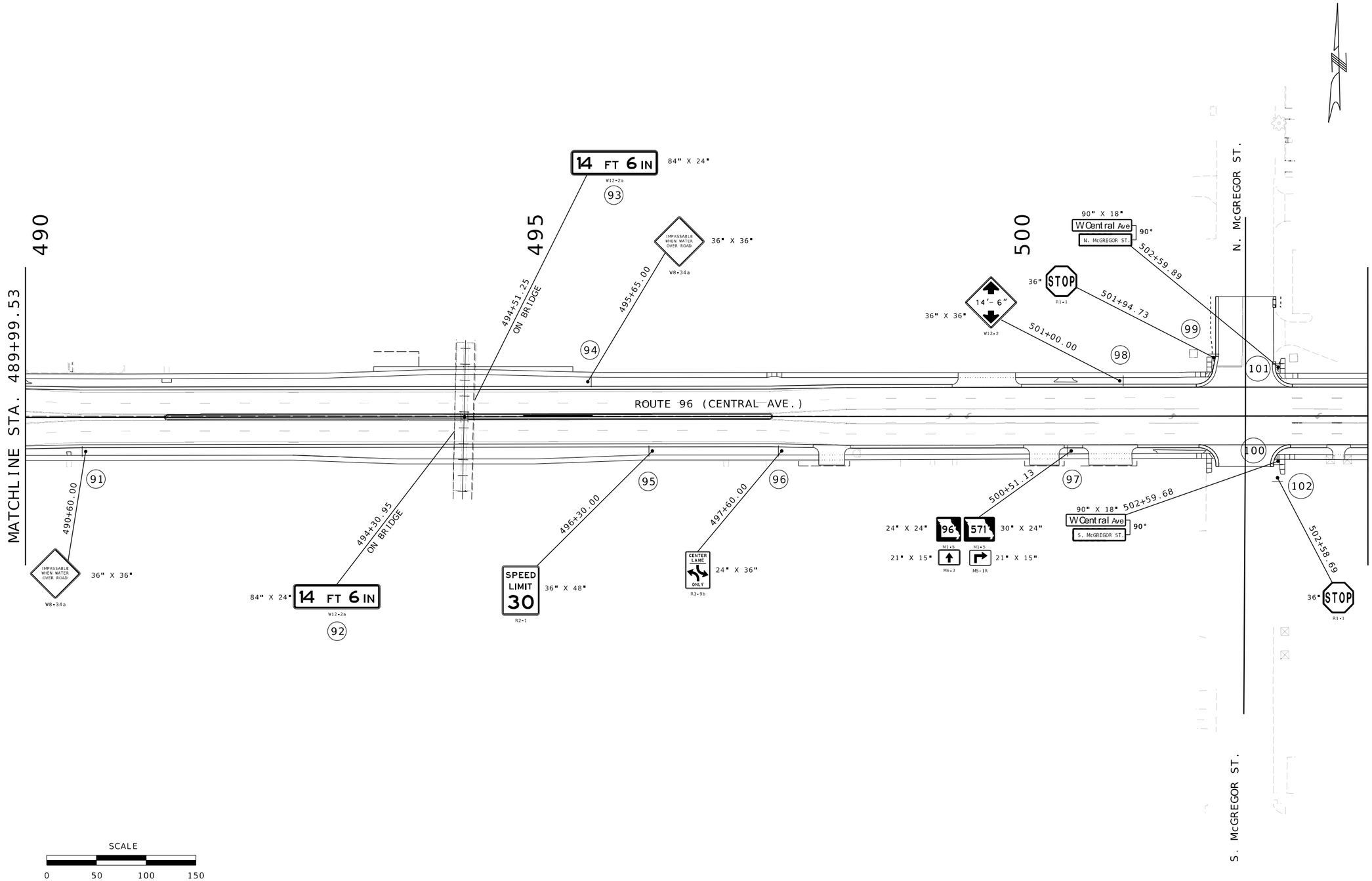
PROJECT NO.
-

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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SIGNING
SHEET 15 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	217

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

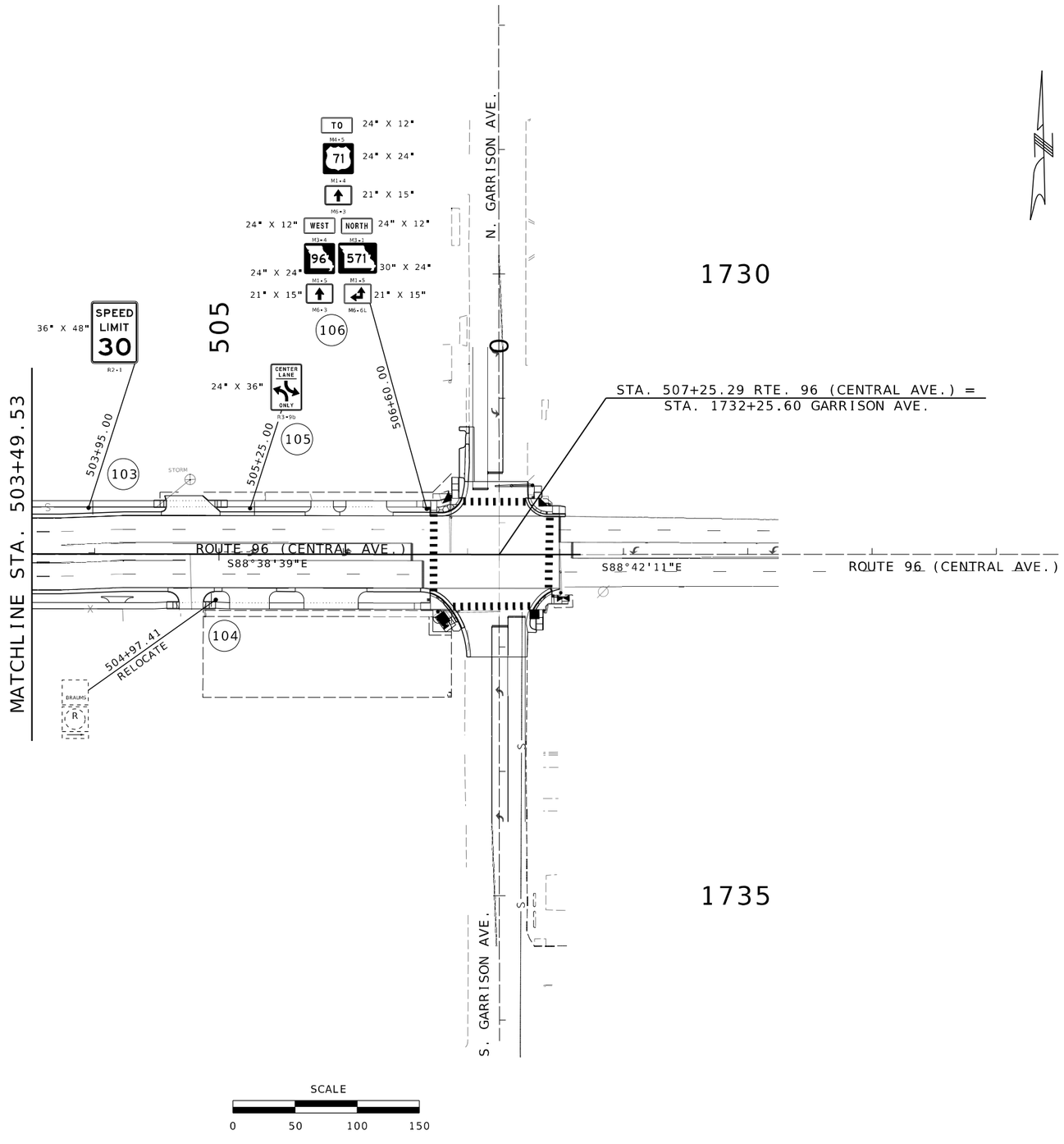
PROJECT NO.
-

BRIDGE NO.
-

NO.	DESCRIPTION	DATE

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

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



SIGNING
SHEET 16 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	218

COUNTY
JASPER

JOB NO.
JSR0060

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
Engineering beyond.

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A

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
1	10' X 4'	7+22.00	RAMP 2 RT	22	0.72						
2	42" X 30"	8+55.00	RAMP 2 LT		0.13						
3	42" X 30"	8+55.00	RAMP 2 RT		0.13						
4	18" X 24"	9+15.00	RAMP 2 RT								
5	7' X 3'	9+75.00	RAMP 2 RT	22	0.72						
6	36" X 36"	10+25.00	RAMP 2 LT		0.13						
7	36" X 36"	10+25.00	RAMP 2 RT		0.13						
8	ASSEMBLY	460+63.00	RTE 96 LT	22	0.47	2	21.75	21.75		15	652.5
9	ASSEMBLY	10+75.56	RAMP 2 CL		0.36						
10	ASSEMBLY	459+90.33	RAMP 2 CL								
11	60"	459+30.05	RTE 96 LT		0.36						
12	48" X 60"	448+25.00	RTE 96 RT		0.36						
12A	48" X 60"	448+25.00	RTE 96 RT		0.36						
13	48" X 48"	440+95.00	RTE 96 RT		0.36						
13A	48" X 48"	440+95.00	RTE 96 RT		0.36						
17	ASSEMBLY	458+40.00	RTE 96 RT		0.36						
18	60"	1+14.42	RAMP 4 RT		0.36						
19	18" X 24"	2+75.00	RAMP 4 RT								
20	18" X 24"	3+75.00	RAMP 4 RT								
21	18" X 24"	6+87.44	RAMP 4 RT								
22	ASSEMBLY	460+75.00	RTE 96 CL		0.13						
23	ASSEMBLY	461+43.00	RTE 96 RT		0.36						
24	11' X 7'	463+70.00	RTE 96 RT			1	18	18.5		9	328.5
25	ASSEMBLY	464+26.00	RTE 96 RT		0.13						
26	36" X 36"	1+25.00	RAMP 3 RT		0.13						
27	42" X 30"	2+95.00	RAMP 3 RT		0.13						
28	18" X 24"	6+65.00	RAMP 3 LT								
26	10' X 4'	3+95.00	RAMP 3 LT		0.72						
30	42" X 30"	2+95.00	RAMP 3 LT		0.13						
31	36" X 36"	1+25.00	RAMP 3 LT		0.13						
32	ASSEMBLY	0+72.00	RAMP 3 CL		0.36						
33	ASSEMBLY	464+67.00	RTE 96 RT								
34	60"	465+42.78	RTE 96 RT		0.36						
35	ASSEMBLY	463+85.00	RTE 96 CL		0.36						
36	ASSEMBLY	463+23.00	RTE 96 LT		0.36						
39	18" X 24"	8+03.00	RAMP 1 LT								
40	60"	464+92.98	RTE 96 LT		0.36						
41	13' X 10'	466+40.00	RTE 96 LT		1.46	3	23.5	24.5		18	864.0
42	ASSEMBLY	469+00.00	RTE 96 LT		0.36						
43	ASSEMBLY	471+00.00	RTE 96 RT		0.36						
44	ASSEMBLY	471+00.00	RTE 96 LT		0.36						
45	ASSEMBLY	472+30.00	RTE 96 CL		0.13						
46	ASSEMBLY	472+75.00	RTE 96 LT		0.36						
47	36" X 48"	473+00.00	RTE 96 RT		0.13						
48	36" X 48"	461+41.55	RTE 96 LT								
49	36"	461+40.77	RTE 96 LT								
50	18" X 24"	462+35.00	RTE 96 RT								
51	18" X 24"	462+50.00	RTE 96 LT								
52	18" X 24"	464+30.00	RTE 96 RT								
53	18" X 24"	464+40.00	RTE 96 LT								
54	36" X 36"	465+65.00	RTE 96 LT								
55	ASSEMBLY	466+50.00	RTE 96 LT								
56	18" X 24"	469+13.00	RTE 96 LT								
57	18" X 24"	470+15.00	RTE 96 LT								
58	24" X 36"	470+80.00	RTE 96 RT								
59	18" X 24"	471+37.00	RTE 96 LT								
60	ASSEMBLY	472+14.20	RTE 96 LT								
61	36"	472+14.20	RTE 96 LT								
62	36"	472+51.21	RTE 96 RT								
	SUBTOTAL				12.13						1845
	SHEET 17 TOTAL				12.2						1850

SIGN NO.	PIPE POSTS* POST + STUB SIZE	NO.1 IN.	NO.2	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	4"SQUARE STEEL POST* BASE ITEM NO. 9031005 EACH	POST ITEM NO. 9031230 LF
1	4	19	21	10.79	431.6		
2	2.5	15.5		5.79	89.7		
3	2.5	15.75		5.79	91.2		
4							
5	4	18.5	19.75	10.79	412.7		
6	2.5	16.25		5.79	94.1		
7	2.5	16.75		5.79	97.0		
8							
9	4	20		10.79	215.8		
10							
11	4	17.75		10.79	191.5		
12	4	20		10.79	215.8		
12A	4	20.5		10.79	221.2		
13	4	19.75		10.79	213.1		
13A	4	20.25		10.79	218.5		
17	4	17.5		10.79	188.8		
18	4	18.75		10.79	202.3		
19							
20							
21							
22	2.5	15.75		5.79	91.2		
23	4	21.25		10.79	229.3		
24							
25	2.5	13.25		5.79	76.7		
26	2.5	17.25		5.79	99.9		
27	2.5	15.75		5.79	91.2		
28							
26	4	17.25	15.75	10.79	356.1		
30	2.5	15		5.79	86.9		
31	2.5	16		5.79	92.6		
32	4	19		10.79	205.0		
33							
34	4	18.75		10.79	202.3		
35	4	16.75		10.79	180.7		
36	4	24.25		10.79	261.7		
39							
40	4	19		10.79	205.0		
41							
42	4	17		10.79	183.4		
43	4	18		10.79	194.2		
44	4	23.75		10.79	256.3		
45	2.5	15.75		5.79	91.2		
46	4	20.5		10.79	221.2		
47	2.5	17		5.79	98.4		
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
					6107		
					6110		

SIGN NO.	PERFORATED SQUARE STEEL TUBE** 2" POST POST NO.1	NO.2	ANCHORS TOTAL ITEM NO. 9031270A	DRIVEN ITEM NO. 9031273A	CONCRETE ITEM NO. 9031274	2.5" POST POST NO.1	NO.2	ANCHORS TOTAL ITEM NO. 9031280	DRIVEN ITEM NO. 9031281A	CONCRETE ITEM NO. 9031285	BREAK-AWAY ASSEMBLY ITEM NO. 9031241 EACH
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
12A											
13											
13A											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
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28											
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33											
34											
35											
36											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48						16		16	1		
49	16		16	1		16		16	1		
50											
51											
52											
53											
54	16		16	1							
55						16		16	1		1
56											
57											
58	16		16	1							
59											
60											
61	16		16	1							
62	16		16	1							
			80	5				48	3		1
			80	5				48	3		1

SIGN NO.	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						
2						
3						
4	16					
5						
6						
7						
8						
9		8 / 1	50 / 38	36.50		
10						ON SIGNAL POLE
11						
12						
12A						
13						
13A						
17		2	50	8.33		
18						
19	16					
20	16					
21	16					
22						
23		12	50	50.00		
24						
25		2	32	5.33		
26						
27						
28	16					
26						
30						
31						
32						
33						ON SIGNAL POLE
34						
35						
36		12	50	50.00		
39	16					
40		4	50	16.67		
41						
42						
43		10 / 1	50 / 38	44.83		
44						
45						
46		4	50	16.67		
47						
48						
49						
50	16					
51	16					
52	16					
53	16					
54						
55						
56	16					
57	16					
58						
59	16					
60						RELOCATE EXISTING TO 61
61						
62						
	208.0			228.4		
	208			229		

*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.

ROUND 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

STRUCTURAL STEEL 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

SIGNING
SHEET 17 OF 36

D-29

EFFECTIVE: 07-01-2026

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

DATE PREPARED 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	219

COUNTY: JASPER
JOB NO.: JSR0060
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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SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A

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
63	ASSEMBLY	472+51.21	RTE 96 RT								
64	24" X 36"	472+90.00	RTE 96 LT								
65	18" X 24"	473+25.00	RTE 96 RT								
66	36" X 48"	473+62.00	RTE 96 LT								
67	18" X 24"	474+62.00	RTE 96 LT								
68	18" X 24"	475+00.00	RTE 96 RT								
69	36"	476+03.00	RTE 96 RT								
70	ASSEMBLY	476+03.00	RTE 96 RT								
71	18" X 24"	477+10.00	RTE 96 LT								
72	ASSEMBLY	477+66.00	RTE 96 RT								
73	24" X 36"	478+15.00	RTE 96 LT								
74	18" X 24"	478+72.00	RTE 96 LT								
75	18" X 24"	479+72.00	RTE 96 LT								
76	ASSEMBLY	480+10.00	RTE 96 LT								
77	EXIST.	480+97.00	RTE 96 LT								
78	36" X 48"	482+72.00	RTE 96 RT								
79	36" X 36"	483+06.59	RTE 96 LT								
80	ASSEMBLY	483+35.00	RTE 96 RT								
81	18" X 24"	483+70.00	RTE 96 RT								
82	18" X 24"	484+35.00	RTE 96 LT								
83	36" X 36"	485+75.00	RTE 96 RT								
84	18" X 24"	486+35.00	RTE 96 LT								
85	36" X 48"	487+10.00	RTE 96 LT								
86	ASSEMBLY	487+90.00	RTE 96 RT								
87	36"	487+55.00	RTE 96 LT								
88	ASSEMBLY	487+55.00	RTE 96 LT								
89	36"	487+90.00	RTE 96 RT								
90	24" X 36"	489+60.00	RTE 96 LT								
91	36" X 36"	490+60.00	RTE 96 RT								
94	36" X 36"	495+65.00	RTE 96 LT								
95	36" X 48"	496+30.00	RTE 96 RT								
96	24" X 36"	497+60.00	RTE 96 RT								
97	ASSEMBLY	500+51.13	RTE 96 RT								
98	36" X 36"	501+00.00	RTE 96 LT								
99	36"	501+94.73	RTE 96 LT								
100	ASSEMBLY	502+58.69	RTE 96 RT								
101	ASSEMBLY	502+94.73	RTE 96 LT								
102	36"	502+58.69	RTE 96 RT								
103	36" X 48"	503+95.00	RTE 96 LT								
104	ASSEMBLY	504+97.41	RTE 96 RT								
105	24" X 36"	505+25.00	RTE 96 LT								
106	ASSEMBLY	506+60.00	RTE 96 LT		0.36						
	SUBTOTAL	0.36									
	SHEET 17 TOTAL	12.20									1850
	TOTAL	12.6									1850

SIGN NO.	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
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
88							
89							
90							
91							
94							
95							
96							
97							
98							
99							
100							
101							
102							
103							
104							
105							
106	4	21		10.79	226.6		
					227		
					6110		
					6340		

SIGN NO.	PERFORATED SQUARE STEEL TUBE** 2" POST POST NO.1 LF	NO.2 LF	ANCHORS TOTAL ITEM NO. 9031270A LF	DRIVEN ITEM NO. 9031273A EACH	CONCRETE ITEM NO. 9031274 EACH
63					
64	16		16	1	
65					
66					
67					
68					
69	16		16	1	
70					
71					
72	16		16	1	
73	16		16	1	
74					
75					
76					
77					
78					
79	16		16	1	
80					
81					
82					
83	16		16	1	
84					
85					
86					
87	16		16	1	
88	16		16	1	
89	16		16	1	
90	16		16	1	
91	16		16	1	
94	16		16	1	
95					
96	16		16	1	
97					
98	16		16	1	
99	16		16	1	
100					
101					
102	16		16	1	
103					
104	16		16	1	
105	16		16	1	
106					
	288	18			
	80	5			
	368	23			

SIGN NO.	PERFORATED SQUARE STEEL TUBE** 2.5" POST POST NO.1 LF	NO.2 LF	ANCHORS TOTAL ITEM NO. 9031280 LF	DRIVEN ITEM NO. 9031281A EACH	CONCRETE ITEM NO. 9031285 EACH	BREAK-AWAY ASSEMBLY ITEM NO. 9031241 EACH	U-CHANNEL POST ITEM NO. 9031250A LF
63							
64							
65							12.5
66	16		16	1			
67							12.5
68							12.5
69							
70							
71							12.5
72							
73							
74							12.5
75							12.5
76	16		16	1			
77							12.5
78	16		16	1			
79							
80	16		16	1			
81							12.5
82							12.5
83							
84							12.5
85	16		16	1			
86							
87							
88							
89							
90							
91							
94							
95	16		16	1			
96							
97	16		16	1			
98							
99							
100							
101							
102							
103	16		16	1			
104							
105							
106							
	128	8					125.0
	48	3				1	208
	176	11				1	333

SIGN NO.	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
63					RELOCATE EXISTING TO 62
64					
65					
66					
67					
68					
69					
70					RELOCATE EXISTING TO 69
71					
72					
73					
74					
75					
76	4	50	16.67		
77					
78					
79					
80	4	50	16.67		
81					
82					
83					
84					
85					
86					RELOCATE EXISTING TO 89
87					
88					RELOCATE EXISTING TO 87
89					
90					
91					
94					
95					
96					
97	4	50	16.67		
98					
99					
100					RELOCATE EXISTING TO 102
101					RELOCATE EXISTING TO 99
102					
103					
104					
105					
106	6	50	25.00		
			75.1		
			229		
			305		

*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.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	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

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	POST NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	POST STUB LENGTH	FOOTING DIA.	FOOTING LEVEL GROUND DEPTH	FOOTING LEVEL GROUND C.Y.	FOOTING 6:1 GRADE DEPTH	FOOTING 6:1 GRADE C.Y.	FOOTING 4:1 GRADE DEPTH	FOOTING 4:1 GRADE C.Y.	FOOTING 3:1 OR 2:1 GRADE DEPTH	FOOTING 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

SIGNING
SHEET 18 OF 36

D-29

EFFECTIVE: 07-01-2026

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

DATE PREPARED
9/30/2026

ROUTE 96 | STATE MO

DISTRICT SW | SHEET NO. 220

COUNTY
JASPER

JOB NO.
JSR0060

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, TYPE, DESIGNATION, SIZE & NUMBER OF EACH

SIGN NO.	STATION	LOCATION	SH WRONG WAY 42"X30"	SH NO PARKING ANY TIME 18"X24"	SH DO NOT ENTER 36"X36"	SH ONE WAY 48"X18"	SH ONE WAY 48"X18"	SH BUSINESS 21"X15"	SH 96 24"X24"	SH 71 24"X24"	SH 21"X15"	SH 21"X15"	SH 21"X15"	SH 171 30"X24"	SH 571 30"X24"	SH TRUCK 60"	SH SPEED LIMIT 45 48"X60"	SH END 21"X15"	SH BUSINESS LOOP 49 24"X24"	SH 24"X30"	SH OM1-3 18"	SH NORTH 24"X12"	SH SOUTH 24"X12"	SH EAST 24"X12"	SH WEST 24"X12"	SH INTERSTATE 49 24"X24"	SH 21"X15"	SH 21"X15"	SH 21"X15"	SH JCT 21"X15"	SH SPEED LIMIT 30 36"X48"	SH 36"X36"	SH STOP 36"	SH CENTER LANE ONLY 24"X36"	SH 14'-6" 36"X36"	SH 14 FT 6 IN 84"X24"
2	8+55.00	SB OFF RAMP LT	1																																	
3	8+55.00	SB OFF RAMP RT	1																																	
4	9+15.00	SB OFF RAMP RT		1																																
6	10+25.00	SB OFF RAMP LT			1																															
7	10+25.00	SB OFF RAMP RT			1																															
8	460+63.00	RTE 96 LT				1	1																													
9	10+75.56	SB OFF RAMP CL						1	1	1	1	2	1	1	1																					
10	459+90.33	RTE 96 LT				1	1																													
11	459+30.05	RTE 96 LT														1																				
12	448+25.00	RTE 96 RT															1																			
12A	448+25.00	RTE 96 RT															1																			
17	458+40.00	RTE 96 RT												1				1	1																	
18	1+14.82	SB ON RAMP RT														1																				
19	2+75.00	SB ON RAMP RT		1																																
20	3+75.00	SB ON RAMP RT		1																																
21	6+87.44	SB ON RAMP RT		1																																
22	460+75.00	RTE 96 CL																		1	1															
23	461+43.00	RTE 96 RT							1	1					1							2	1	1		1	2	2								
25	464+26.00	RTE 96 RT				1	1																													
26	1+25.00	NB OFF RAMP RT			1																															
27	2+95.00	NB OFF RAMP RT	1																																	
28	6+65.00	NB OFF RAMP LT		1																																
30	2+95.00	NB OFF RAMP LT	1																																	
31	1+25.00	NB OFF RAMP LT			1																															
32	0+72.00	NB OFF RAMP LT							1		1	1	2	1	1				1																	
33	464+67.00	RTE 96 RT				1	1																													
34	465+42.78	RTE 96 RT														1																				
35	463+85.00	RTE 96 CL								1										1	1	1														
36	463+23.00	RTE 96 LT							1	1				1					1			1	2		1	1	3	2								
39	8+03.00	NB ON RAMP LT		1																																
40	464+92.98	RTE 96 LT														1																				
42	469+00.00	RTE 96 LT													1			1																		
43	471+00.00	RTE 96 RT							1						1								1	1												
44	471+00.00	RTE 96 LT								1				1					1			3				1	2		2						
45	472+30.00	RTE 96 CL																		1	1															
46	472+75.00	RTE 96 LT								1				1					1							1				1						
47	473+00.00	RTE 96 RT																														1				
49	461+40.77	RTE 96 LT																															1			
50	462+35.00	RTE 96 RT		1																																
51	462+50.00	RTE 96 LT		1																																
52	464+30.00	RTE 96 RT		1																																
53	464+40.00	RTE 96 LT		1																																
54	465+65.00	RTE 96 LT																																1		
55	466+50.00	RTE 96 LT		1																												1				
56	469+13.00	RTE 96 LT		1																																
57	470+15.00	RTE 96 LT		1																																
58	470+80.00	RTE 96 RT																																	1	
59	471+37.00	RTE 96 LT		1																																
61	472+14.20	RTE 96 LT																																	1	
62	472+51.21	RTE 96 RT																																	1	
64	472+90.00	RTE 96 LT																																		1
65	473+25.00	RTE 96 RT		1																																
66	473+62.00	RTE 96 LT																														1				
67	474+62.00	RTE 96 LT		1																																
68	475+00.00	RTE 96 RT		1																																
69	476+03.00	RTE 96 RT																																	1	
71	477+10.00	RTE 96 LT		1																																
72	477+66.00	RTE 96 RT							1														1													
		SUBTOTALS	4	18	4	4	4	1	6	6	2	3	3	6	5	4	2	2	5	3	3	7	4	3	1	4	7	4	2	1	3	1	4	2	0	0

* SEE SHEET 21 OF 36 FOR SIGNS 13, 13A & 48

SIGNING
SHEET 19 OF 36

D-30

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	221

COUNTY
JASPER

JOB NO.
JSR0060

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.

...\019_SN_19_36_JSR0060_RTE96_i1_D30.dgn 1:34:45 PM 9/30/2026

STANDARD SIGN ASSEMBLIES

SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH

SIGN NO. *	STATION	LOCATION	SH WRONG WAY 42"X30"	SH NO PARKING ANY TIME 18"X24"	SH DO NOT ENTER 36"X36"	SH ONE WAY 48"X18"	SH ONE WAY 48"X18"	SH BUSINESS 21"X15"	SH 96 24"X24"	SH 71 24"X24"	SH 21"X15"	SH 21"X15"	SH 21"X15"	SH 30"X24"	SH 30"X24"	SH TRUCK 60"	SH SPEED LIMIT 45 48"X60"	SH END 21"X15"	SH BUSINESS LOOP 49 24"X24"	SH 24"X30"	OM1-3 18"	SH NORTH 24"X12"	SH SOUTH 24"X12"	SH EAST 24"X12"	SH WEST 24"X12"	SH INTERSTATE 49 24"X24"	SH 21"X15"	SH 21"X15"	SH 21"X15"	SH JCT 21"X15"	SH SPEED LIMIT 30 36"X48"	SH 36"X36"	SH STOP 36"	SH CENTER LANE ONLY 24"X36"	SH 14'-6" 36"X36"	SH 14 FT 6 IN 84"X24"
73	478+15.00	RTE 96 LT																																1		
74	478+72.00	RTE 96 LT		1																																
75	479+72.00	RTE 96 LT		1																																
76	480+10.00	RTE 96 LT							1					1								1			1											
78	482+72.00	RTE 96 RT																													1					
79	483+06.59	RTE 96 LT			1																															
80	483+35.00	RTE 96 RT							1					1									1	1												
81	483+70.00	RTE 96 RT		1																																
82	484+35.00	RTE 96 LT		1																																
83	485+75.00	RTE 96 RT																																	1	
84	486+35.00	RTE 96 LT		1																																
85	487+10.00	RTE 96 LT																													1					
87	487+55.00	RTE 96 LT																															1			
89	487+90.00	RTE 96 RT																															1			
90	489+60.00	RTE 96 LT																																1		
92	494+30.95	RTE 96 RT																																		1
93	494+51.25	RTE 96 LT																																		1
95	496+30.00	RTE 96 RT																													1					
96	497+60.00	RTE 96 RT																																1		
97	500+51.13	RTE 96 RT							1					1													1		1							
98	501+00.00	RTE 96 LT																																	1	
99	501+94.73	RTE 96 LT																															1			
102	502+58.69	RTE 96 RT																															1			
103	503+95.00	RTE 96 LT																													1					
105	505+25.00	RTE 96 LT																																1		
106	506+60.00	RTE 96 LT							1	1				1								1			1		2								
SUBTOTALS			0	5	1	0	0	0	4	1	0	0	0	0	4	0	0	0	0	0	0	2	1	1	2	0	3	0	1	0	4	0	4	3	1	2
SHEET 19 SUBTOTALS			4	18	4	4	4	1	6	6	2	3	3	6	5	4	2	2	5	3	3	7	4	3	1	4	7	4	2	1	3	1	4	2	0	0
TOTALS			4	23	5	4	4	1	10	7	2	3	3	6	9	4	2	2	5	3	3	9	5	4	3	4	10	4	3	1	7	1	8	5	1	2

* SEE SHEET 21 OF 36 FOR SIGNS 91, 94 & PART OF 96 (M4-5, M6-6L)

SIGNING
SHEET 20 OF 36

D-30

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	222

COUNTY
JASPER

JOB NO.
JSR0060

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	LOCATION	IMPASSABLE WHEN WATER OVER ROAD 36"X36"	M6-6L 21"X15"	T0 M4-5 24"X12"	CAUTION SPEED LIMIT 45 W3-5 48"X48"	SPEED LIMIT 45 R2-1 36"X48"				
91	490+60.00	RTE 96 RT	1								
94	495+65.00	RTE 96 LT	1								
106	506+67.00	RTE 96 LT		1	1						
13	440+95.00	RTE 96 RT				1					
13A	440+95.00	RTE 96 RT				1					
48	461+41.55	RTE 96 LT					1				
		TOTALS	2	1	1	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
1 ⇦CENTRAL AVE WEBB CITY 8⇨			10' X 4'			40.0	
2,3,27,30 WRONG WAY			42" X 30"	35.0			
4,19,20,21,28,39,50,51,52,53,55,56,57,59,65,67,68,71,74,75,81,82,84 NO PARKING ANY TIME			18" X 24"	69.0			
5 JOPLIN REGIONAL AIRPORT ⟶			7' X 3'			21.0	
6,7,26,31,79			36" X 36"	45.0			
8 (49) (71) SOUTH JOPLIN ⇦			11' X 7'			77.0	
8,10,25,33 ONE WAY ⇦			48" X 18"	24.0			
8,10,25,33 ONE WAY ⇨			48" X 18"	24.0			
9 BUSINESS			24" X 12"	2.0			
9,23,32,36,43,72,76,80,97,106 (96)			24" X 24"	40.0			
9,17,32,36,44,46 (171)			30" X 24"	30.0			
9,23,32,42,43,76,80,97,106 (571)			30" X 24"	45.0			
9,23,35,36,44,46,106 (71)			24" X 24"	28.0			
9,32			21" X 15"	4.4			
9(3),32(3)			21" X 15"	13.1			
11,18,34,40			60"	43.3			
12,12A			48" X 60"	40.0			
13,13A			48" X 48"	32.0			
14 NORTH (49) (71) KANSAS CITY ⇩			15' X 12'			180.0	
15 EAST (96) SOUTH (571) CARTHAGE ⇩			17' X 12'			204.0	
16 SOUTH (49) (71) JOPLIN ⇨			11' X 13'			143.0	
17,42 END			24" X 12"	4.0			
17,32,36,44,46 (49)			24" X 24"	20.0			
22,35,45			48" X 60"	60.0			
22,35,45			18"	6.8			
23(2),35,36,44(3),76,106 NORTH			24" X 12"	18.0			
23,36(2),43,80 SOUTH			24" X 12"	10.0			
23,43,72,80 EAST			24" X 12"	8.0			
36,76,106 WEST			24" X 12"	6.0			
23,36,44,46 (49)			24" X 24"	16.0			
23(2),36(3),44(2),97,106(2) ⇧			21" X 15"	21.9			
24 (49) (71) NORTH KANSAS CITY ⇦			11' X 7'			77.0	
29 ⇦WEBB CITY 8 CENTRAL AVE⇨			10' X 4'			40.0	
23(2),36(2)			21" X 15"	8.8			
44(2),97			21" X 15"	6.6			
41 ⇧ (49) (71) SOUTH JOPLIN (49) (71) NORTH KANSAS CITY ⇨			13' X 10'			130.0	
46 JCT			21" X 15"	2.2			
47,55,66,78,85,95,103 (44)			36" X 48"	84.0			
49,61,62,69,87,89,99,102 STOP			36"	59.7			
48 (45)			36" X 48"	12.0			
54			36" X 36"	9.0			
60,63,70,86,88,100,101 W Central Ave			EXISTING				
CENTER ST.			EXISTING				
FLORENCE ST			EXISTING				
McGREGOR ST			EXISTING				
58,64,73,90,96,105			24" X 36"	36.0			
83,98			36" X 36"	18.0			
92,93 14 FT 6 IN			84" X 24"	28.0			
91,94			36" X 36"	18.0			
106			21" X 15"	2.2			
		TOTALS		930.0		1802.0	

*ORANGE, YELLOW AND YELLOW-GREEN

RELOCATE SIGN TO EXIST. PSST ABOVE STOP SIGN

SIGN NO.	STATION	LOCATION	EACH
60	472+07.88	RTE 96 LT	1
63	472+51.21	RTE 96 RT	1
70	476+03.00	RTE 96 RT	1
86	487+90.00	RTE 96 RT	1
88	487+55.00	RTE 96 LT	1
100	502+58.69	RTE 96 RT	1
101	501+94.73	RTE 96 LT	1
		TOTAL	7

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

DATE PREPARED: 9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	223

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION | DATE

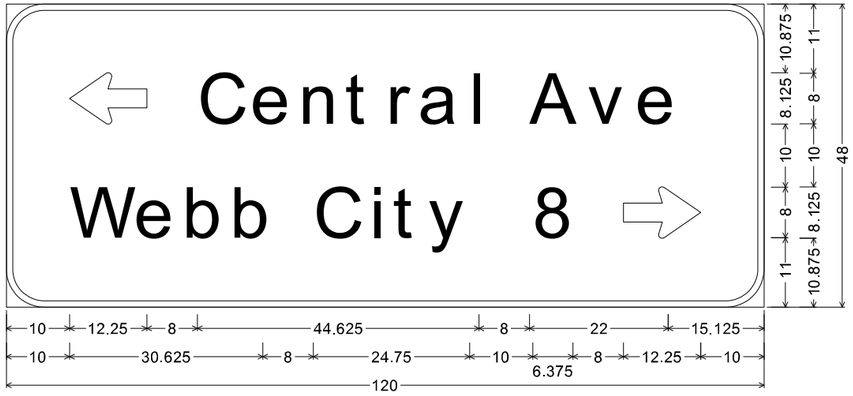
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

SIGNING
SHEET 21 OF 36

D-30

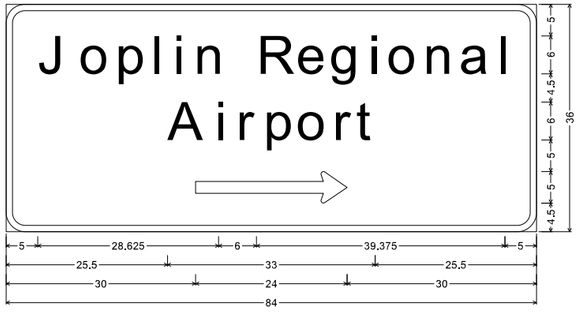
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D1-2a ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on Green;
Standard Arrow 12.250" X 8.125" 180^; "Central Ave", E Mod specified length;
"Webb City", E Mod specified length; "8", E Mod; Standard Arrow 12.250" X 8.125" 0^;
Table of letter and object lefts

⇦ 10.000	C 30.250	e 38.625	n 46.250	t 53.625	r 60.125	a 65.250	l 73.375	A 82.875	v 92.125	e 99.625
W 10.000	e 20.250	b 27.875	b 35.375	C 48.625	i 57.500	t 61.250	y 66.875	8 83.375	⇨ 97.750	

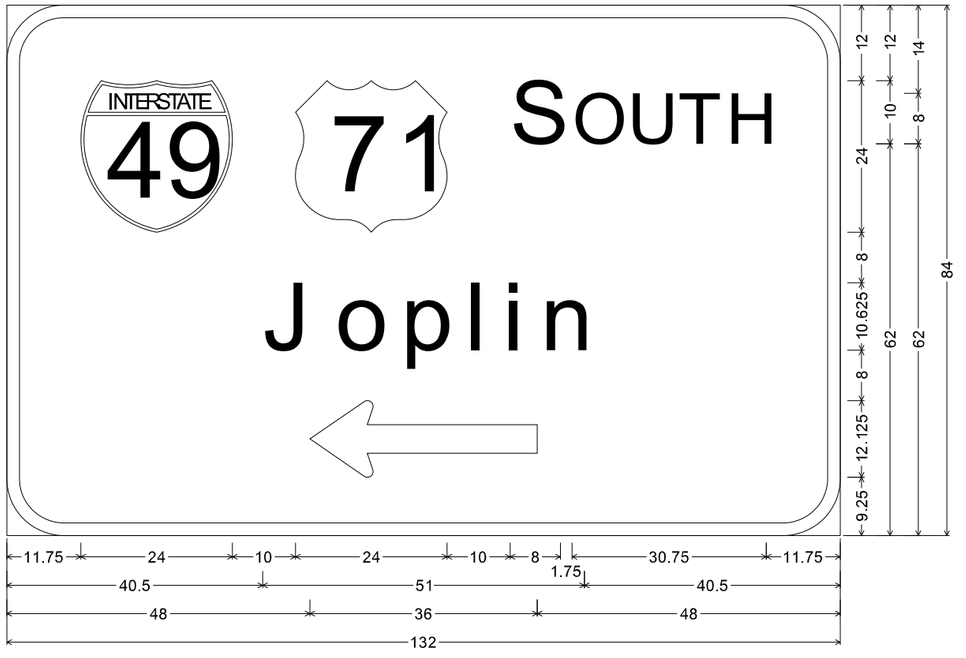
SIGN 1



D4-10 ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on Green;
"Joplin Regional", E Mod specified length; "Airport", E Mod specified length;
Standard Arrow Custom 24.000" X 5.000" 0^;
Table of letter and object lefts

J 5.000	o 11.500	p 17.250	l 23.000	i 26.375	n 29.750					
	R 39.625	e 46.000	g 51.250	i 57.375	o 60.250	n 66.125	a 71.750	l 77.875		
A 25.500	i 33.125	r 36.500	p 40.750	o 45.875	r 51.750	t 55.375				
⇨ 30.000										

SIGN 5



E8-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on Green;
Interstate 49 12.000" C; "SOUTH", E Mod; "Joplin", E Mod specified length;
Standard Arrow Custom 36.000" X 12.125" 180^;
Table of letter and object lefts

49 11.750	71 45.750	S 79.750	O 89.500	U 98.250	T 106.375	H 113.875
J 40.500	o 52.125	p 62.375	l 72.500	i 78.500	n 84.500	
⇦ 48.000						

SIGN 8

SIGNING
SHEET 22 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	224

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

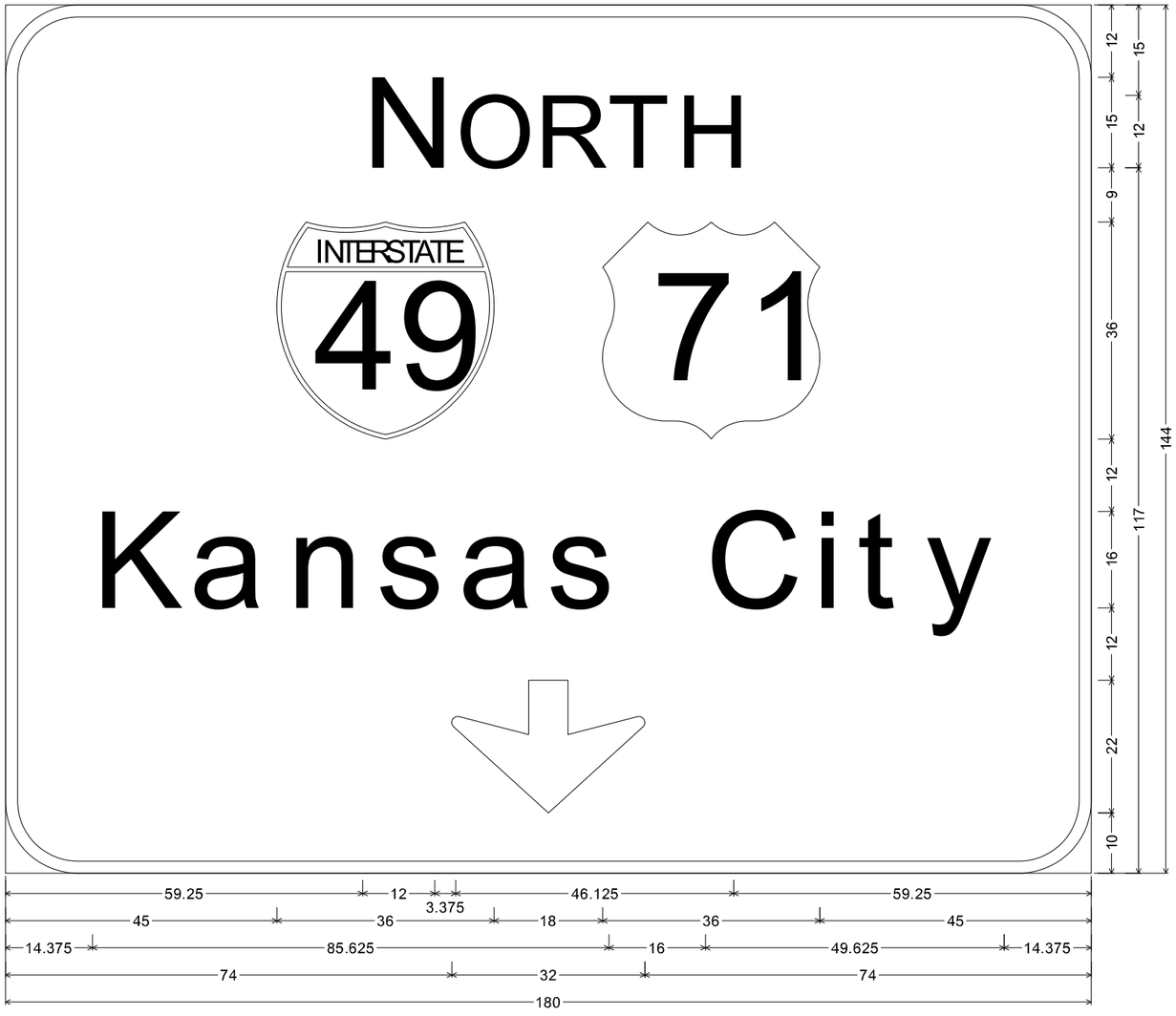
PROJECT NO.
-

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



E1-1 ST-STRUCTURAL;
12.000" Radius, 2.000" Border, White on Green;
"NORTH", E Mod; Interstate 49 18.000" C; "Kansas City", E Mod specified length; Down Arrow 22.000" 270^;
Table of letter and object lefts

N	O	R	T	H
59.250	74.625	87.750	99.750	111.250

49	71
45.000	99.000

K	a	n	s	a	s	C	i	t	y
14.375	30.500	46.750	61.500	75.125	89.750	116.000	133.875	141.250	152.500

74.000

SIGN 14

SIGNING
SHEET 23 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	225

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

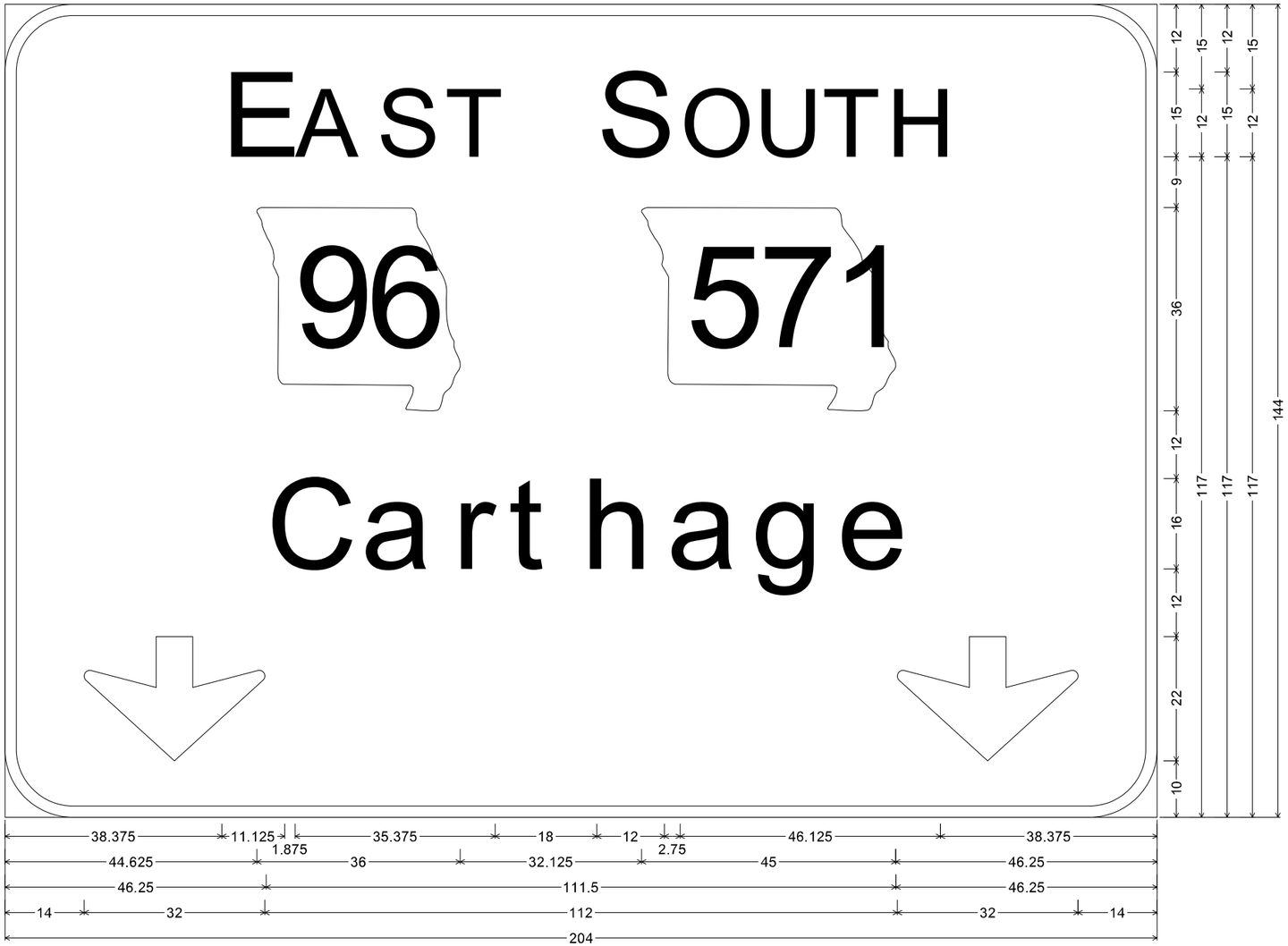
PROJECT NO.
-

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.



E1-1 ST-STRUCTURAL;
12.000" Radius, 2.000" Border, White on Green;
"EAST", E Mod; "SOUTH", E Mod; State Highway 96 3 18.000" C; State Highway 571 4 18.000" C; "Carthage", E Mod specified length; Down Arrow 22.000" 270^; Down Arrow 22.000" 270^;
Table of letter and object lefts

E	A	S	T	S	O	U	T	H
38.375	51.375	65.875	77.875	104.750	119.500	132.625	144.625	156.125

96	571
44.625	112.750

C	a	r	t	h	a	g	e
46.250	63.125	79.250	89.125	102.125	117.250	132.250	147.375

14.000	158.000

SIGN 15

SIGNING
SHEET 24 OF 24

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	226

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

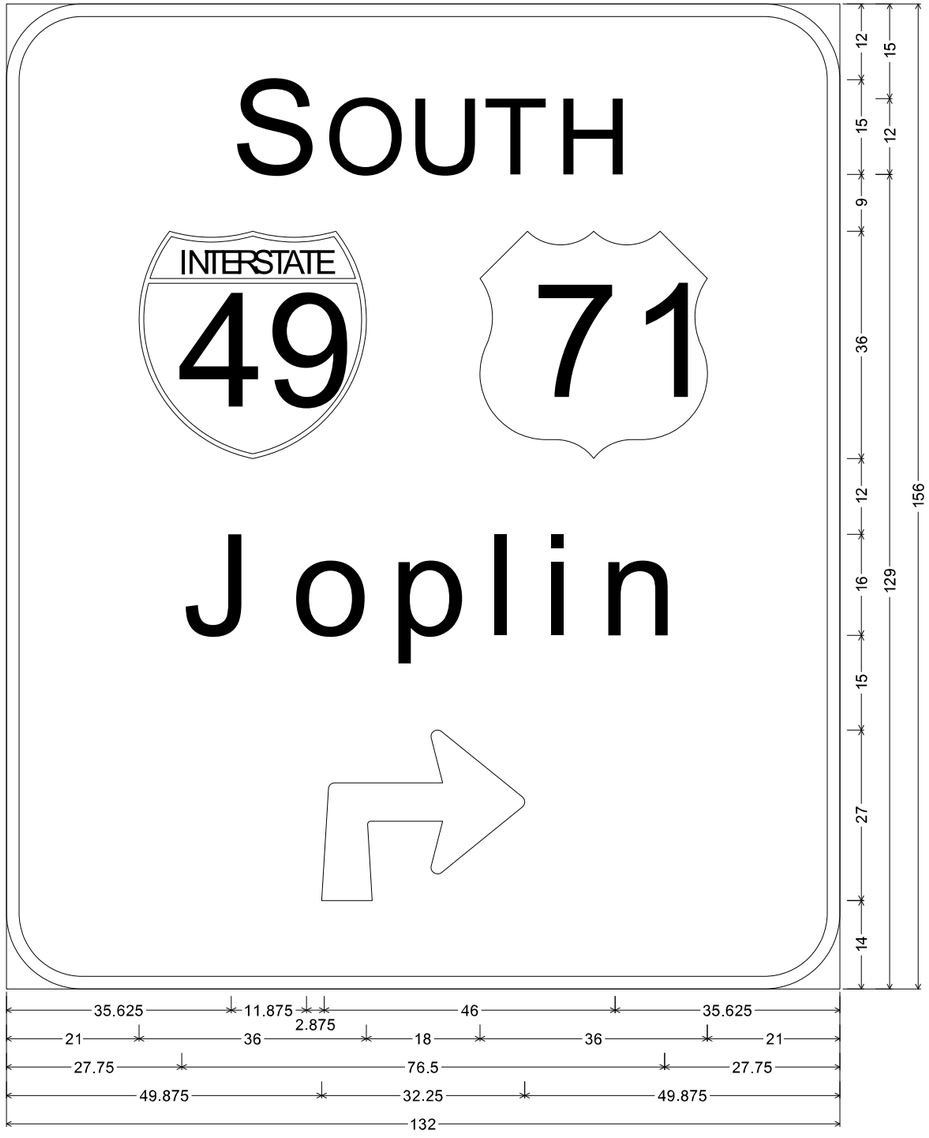
PROJECT NO.
-

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.



E1-1 ST-STRUCTURAL;
12.000" Radius, 2.000" Border, White on Green;
"SOUTH", E Mod; Interstate 49 18.000" C; "Joplin", E Mod specified length;
Table of letter and object lefts

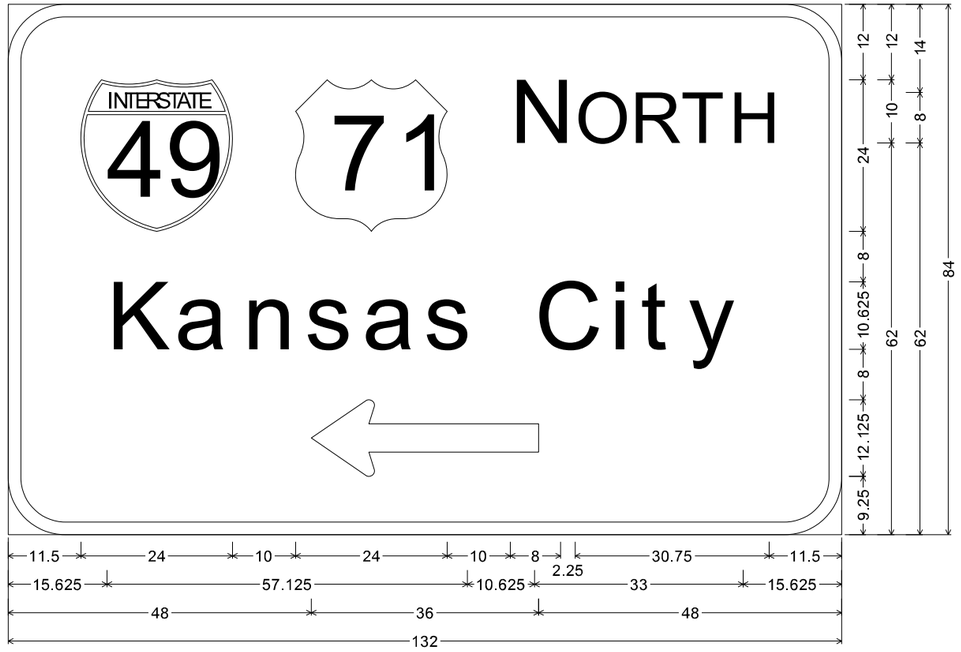
S 35.625	O 50.375	U 63.375	T 75.500	H 86.875

49 21.000	71 75.000

J 27.750	o 45.125	p 60.625	l 75.750	i 84.875	n 93.875



SIGN 16



E8-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on Green;
Interstate 49 12.000" C; "NORTH", E Mod; "Kansas City", E Mod specified length;
Standard Arrow Custom 36.000" X 12.125" 180^;
Table of letter and object lefts

49 11.500	71 45.500	N 79.500	O 89.750	R 98.500	T 106.500	H 114.125	

K 15.625	a 26.375	n 37.125	s 47.000	a 56.125	s 65.875	C 83.375	i 95.250	t 100.125	y 107.625

48.000

SIGN 24

SIGNING
SHEET 25 OF 36

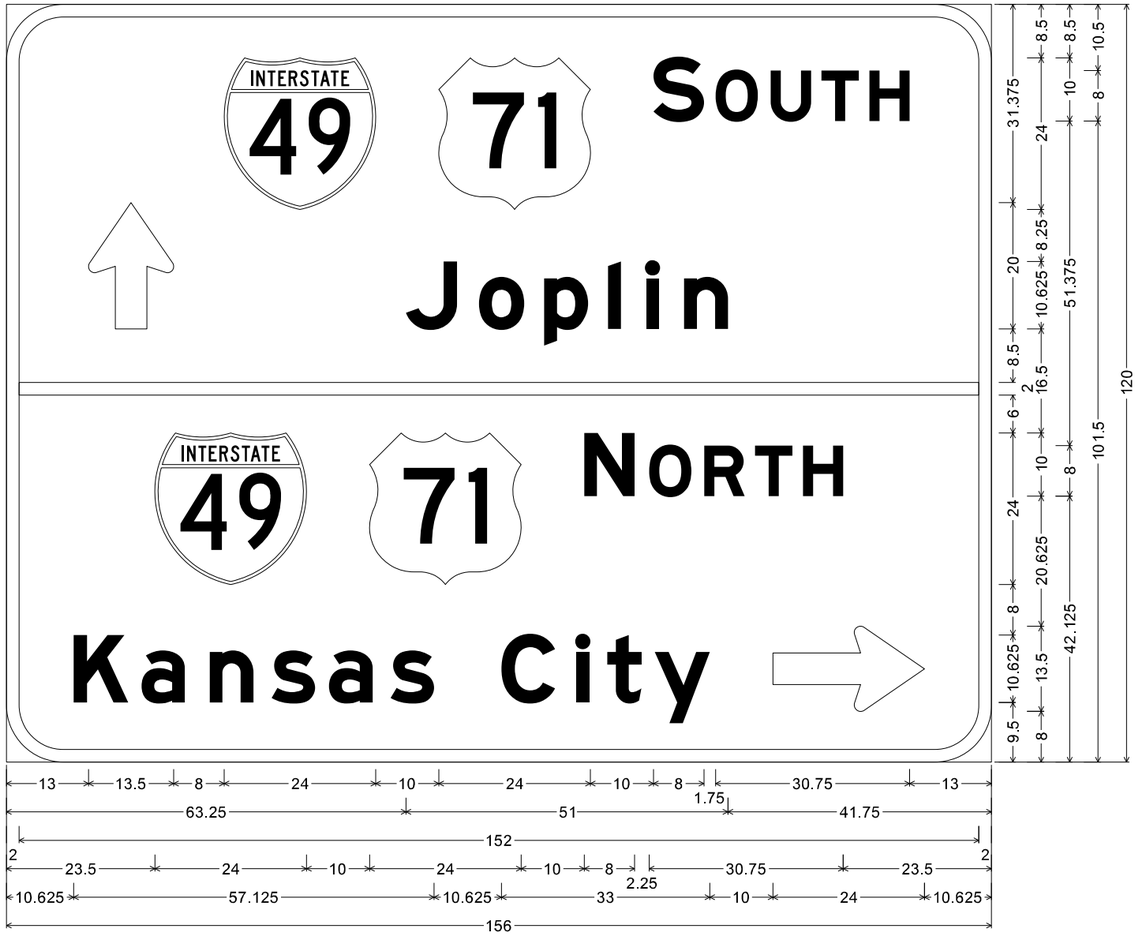
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	227
COUNTY	JASPER
JOB NO.	JSR0060
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.



E8-2 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on Green;
Standard Arrow 20.000" X 13.500" 90^; Interstate 49 12.000" C; "SOUTH", E Mod; "Joplin", E Mod specified length;
Interstate 49 12.000" C; "NORTH", E Mod; "Kansas City", E Mod specified length; Standard Arrow 24.000" X 13.500" 0^;
Table of letter and object lefts

⇧	49	71	S	O	U	T	H
13.000	34.500	68.500	102.500	112.250	121.000	129.125	136.625

J	o	p	l	i	n
63.250	74.875	85.125	95.250	101.250	107.250

—
2.000

49	71	N	O	R	T	H
23.500	57.500	91.500	101.750	110.500	118.500	126.125

K	a	n	s	a	s	C	l	t	y	⇨
10.625	21.375	32.125	42.000	51.125	60.875	78.375	90.250	95.125	102.625	121.375

SIGN 41

SIGNING
SHEET 26 OF 36

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	228

COUNTY
JASPER

JOB NO.
JSR0060

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)

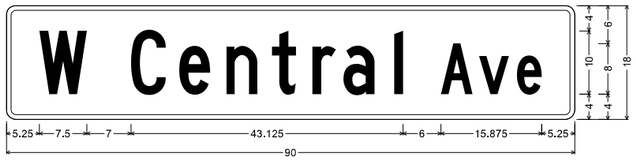
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



W6-34 SHF-FLAT SHEET FLUORESCENT:
36,000" across sides 2,250" Radius, 0,875" Border, 0,625" Indent, Black on Yellow:
"IMPASSABLE", C: 60% spacing; "WHEN WATER", C: 60% spacing;
"OVER ROAD", C: 60% spacing;
Table of letter and object lefts

I	M	P	A	S	S	A	B	L	E
10,000	11,750	15,250	18,125	21,375	24,375	27,250	30,500	33,500	36,250
W	h	C	n	e	A	t	C	e	
10,000	13,750	16,875	19,500	24,750	26,250	31,250	33,875	36,625	
O	v	e	r	R	O	a	d		
11,625	14,625	17,875	20,625	25,750	28,625	31,750	35,000		

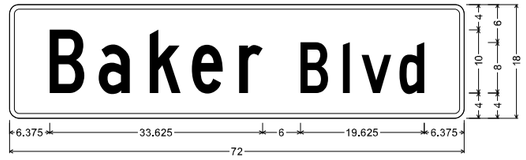
SIGN 91 & 94



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on Green;
"W Central", C: "Ave", C;
Table of letter and object lefts

W	C	e	n	t	r	a	l	A	v	e	
5.250	19.750	27.375	34.875	42.000	48.500	53.375	61.375	68.875	74.875	80.875	

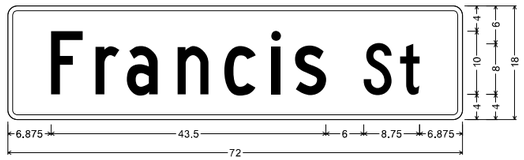
ON SIGNAL POST



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on Green;
"Baker", C: "Blvd", C;
Table of letter and object lefts

B	a	k	e	r	B	l	v	d	
6.375	14.125	22.125	28.875	36.375	46.000	52.750	55.750	61.750	

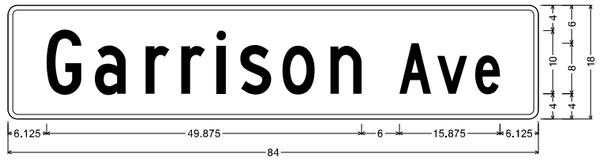
ON SIGNAL POST



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on Green;
"Francis", C: "St", C;
Table of letter and object lefts

F	r	a	n	c	i	s	S	t
6.875	13.875	18.875	26.875	34.250	41.750	45.500	56.375	62.125

ON SIGNAL POST



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on Green;
"Garrison", C: "Ave", C;
Table of letter and object lefts

G	a	r	r	i	s	o	n	A	v	e
6.125	13.750	21.750	27.375	33.000	36.750	43.500	51.000	62.000	68.000	74.000

ON SIGNAL POST

SIGNING
SHEET 27 OF 36

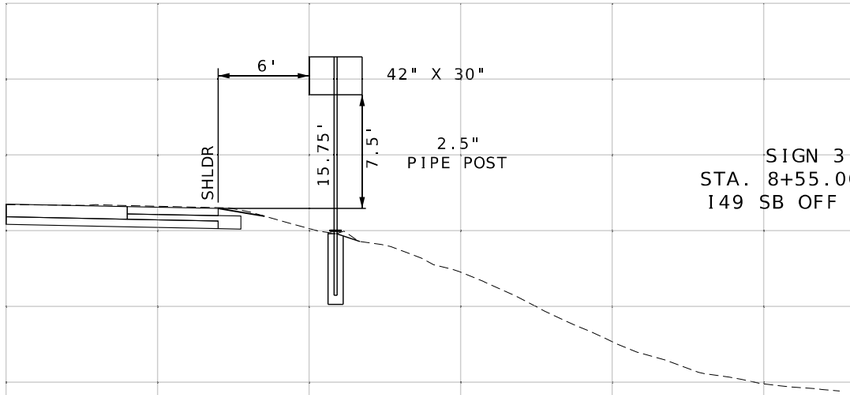
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	229
COUNTY	
JASPER	
JOB NO.	
JSR0060	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	
-	

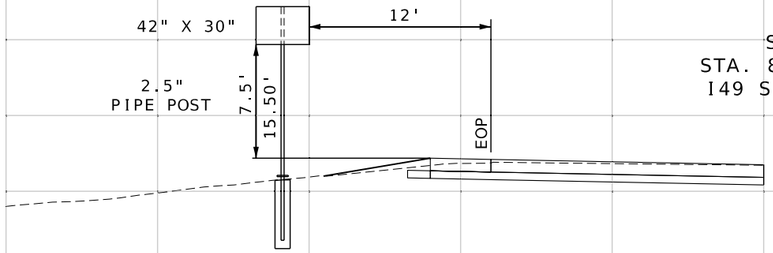
DESCRIPTION	DATE

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

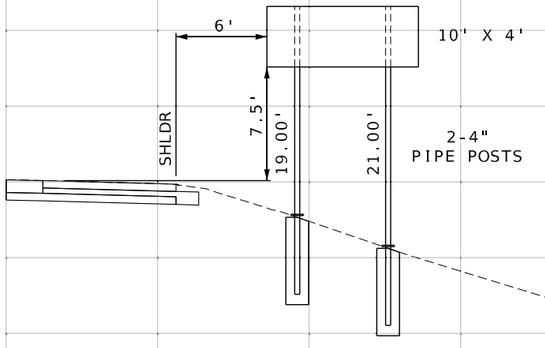
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



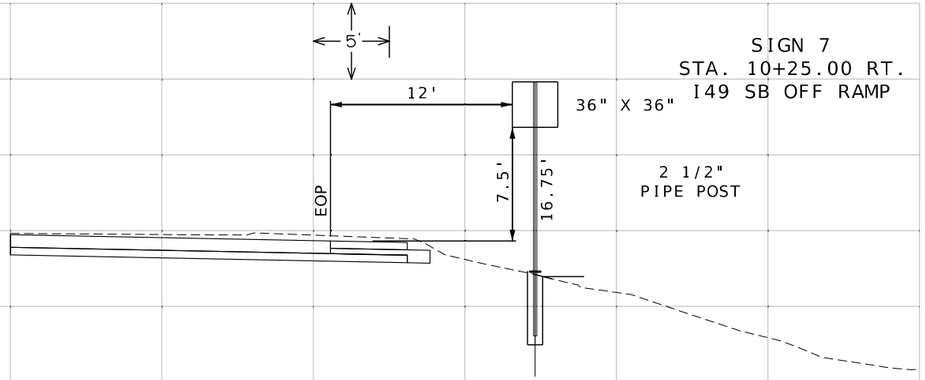
SIGN 3
STA. 8+55.00 RT.
I49 SB OFF RAMP



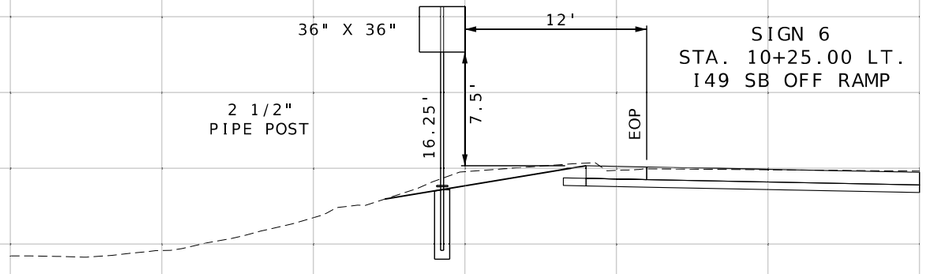
SIGN 2
STA. 8+55.00 LT.
I49 SB OFF RAMP



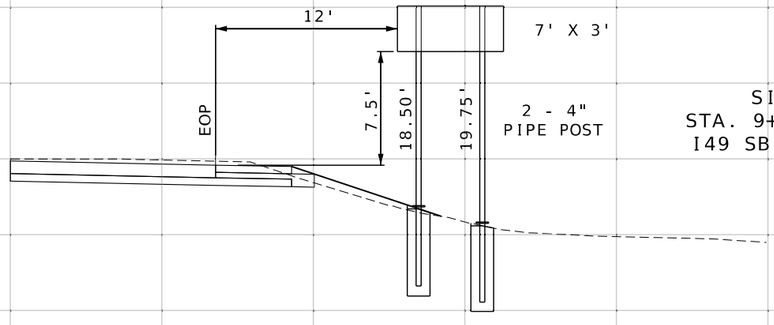
SIGN 1
STA. 7+22.00 RT.
I49 SB OFF RAMP



SIGN 7
STA. 10+25.00 RT.
I49 SB OFF RAMP



SIGN 6
STA. 10+25.00 LT.
I49 SB OFF RAMP



SIGN 5
STA. 9+75.00 RT.
I49 SB OFF RAMP

SIGNING
SHEET 28 OF 36

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	230

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

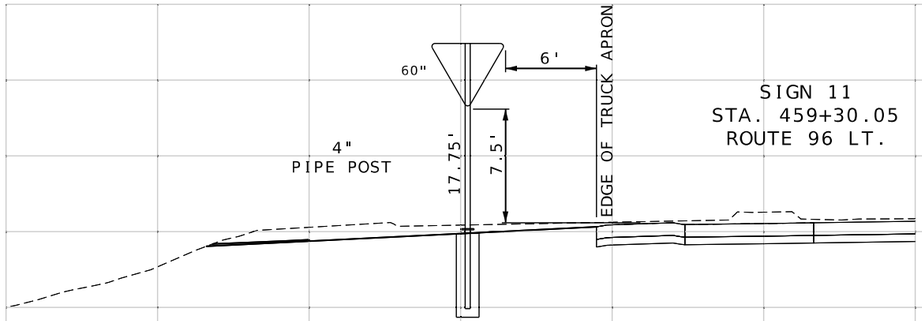
BRIDGE NO.
-

DESCRIPTION	DATE

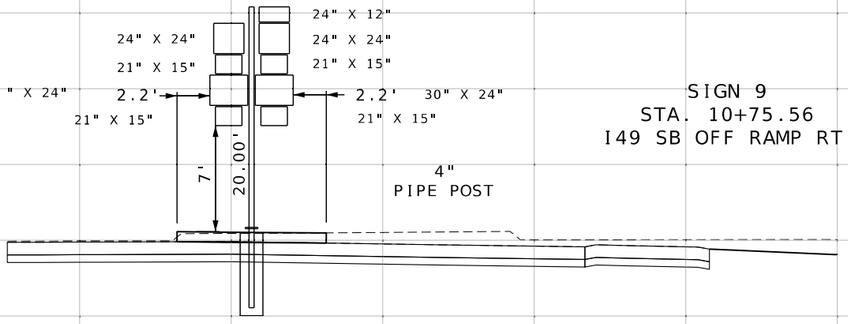
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

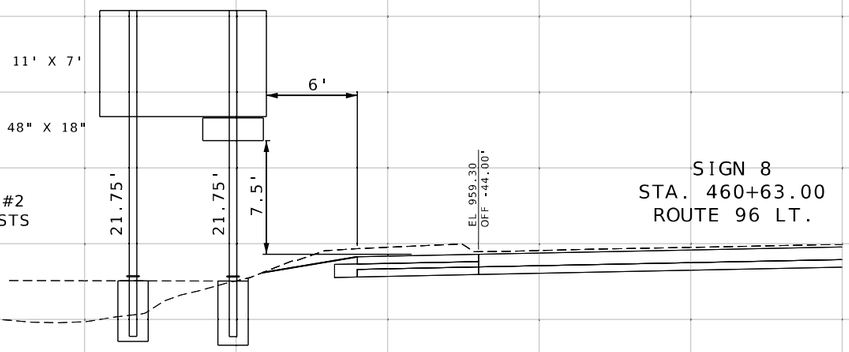
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



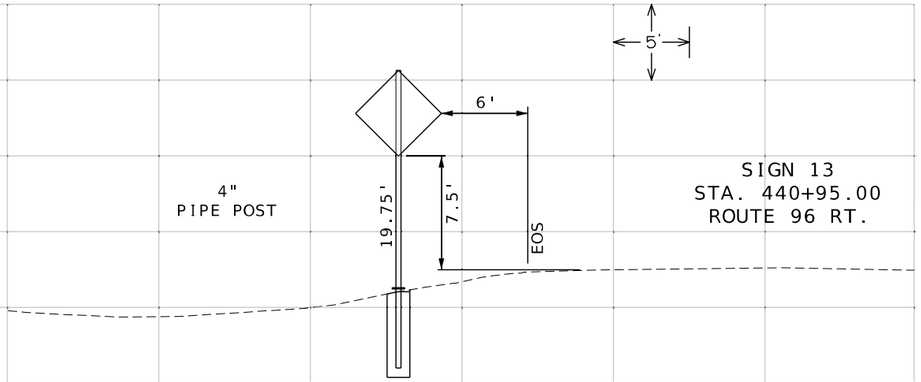
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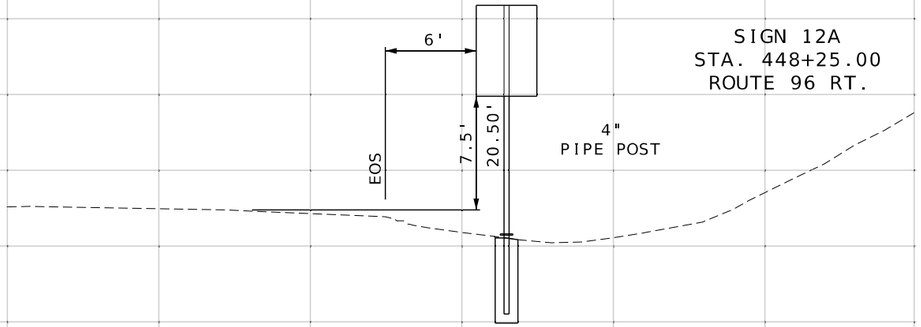
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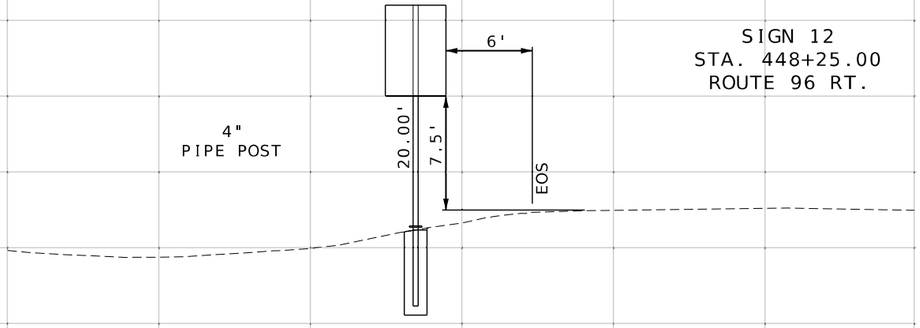
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ROUTE 96 LT.



SIGN 13
STA. 440+95.00
ROUTE 96 RT.



SIGN 12A
STA. 448+25.00
ROUTE 96 RT.



SIGN 12
STA. 448+25.00
ROUTE 96 RT.

SIGNING
SHEET 29 OF 36

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	231

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

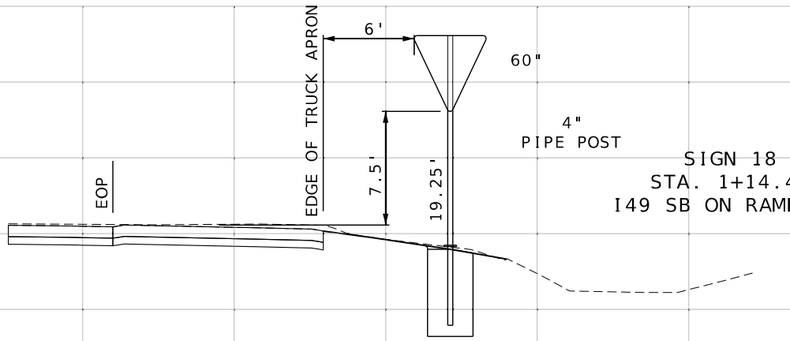
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BRIDGE NO.
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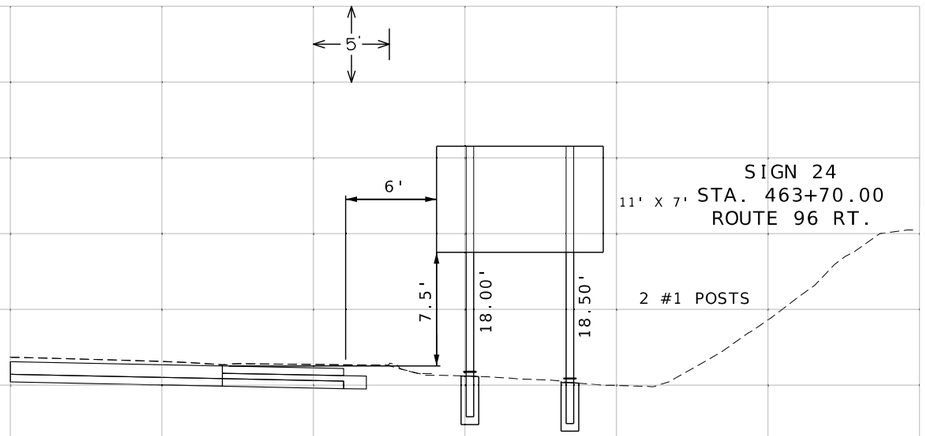
DESCRIPTION	DATE

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.

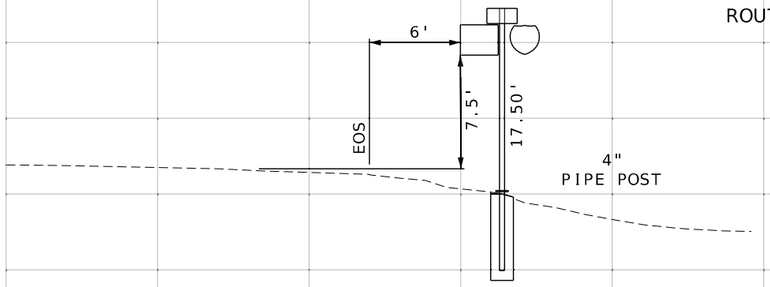


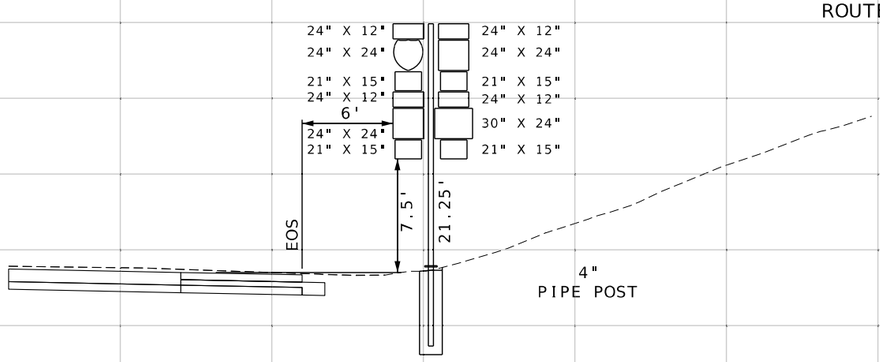
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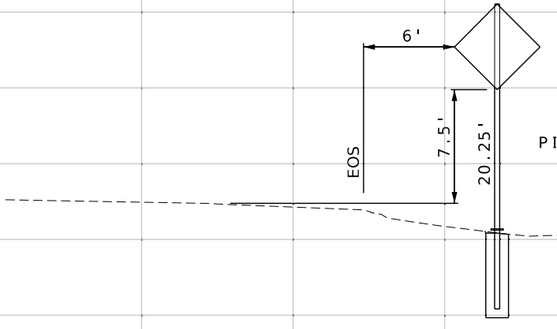
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SIGN 17
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ROUTE 96 RT.



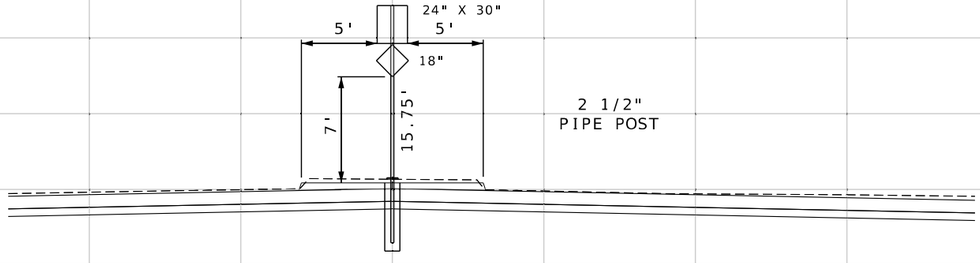


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ROUTE 96 RT.



SIGN 13A
STA. 440+95.00
ROUTE 96 RT.

SIGN 22
STA. 460+75.00
ROUTE 96 C.L.



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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	232

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

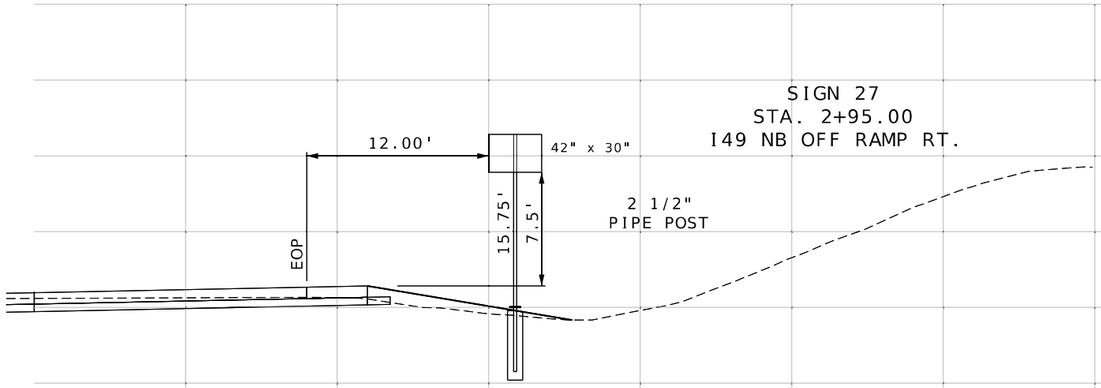
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BRIDGE NO.
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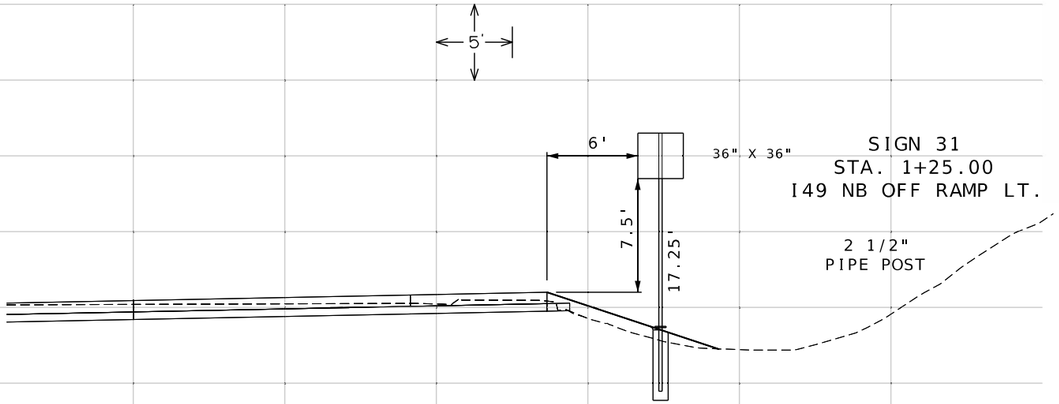
DESCRIPTION	DATE

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

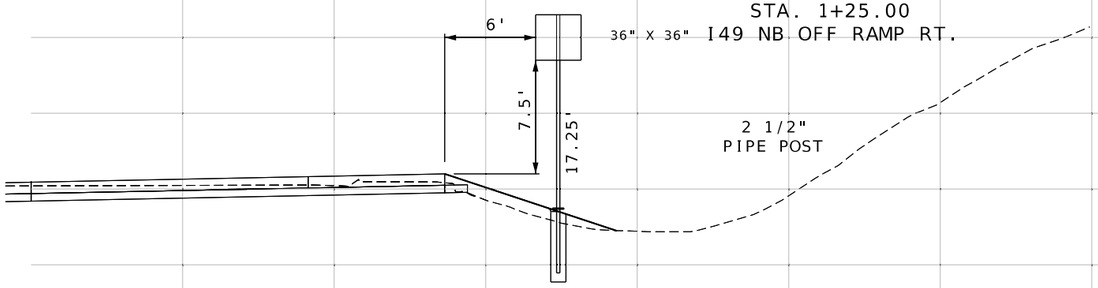
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



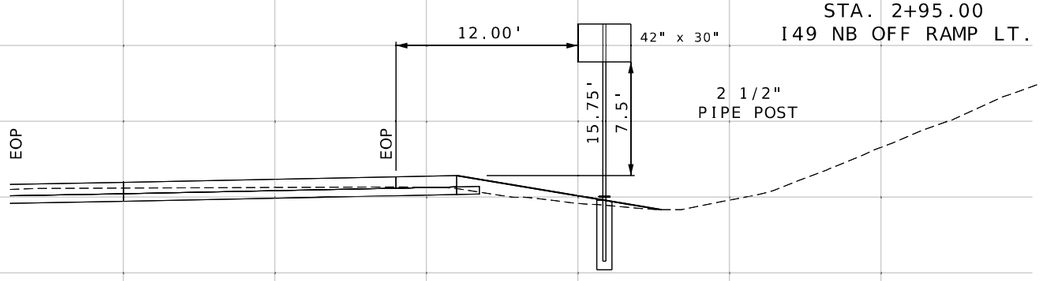
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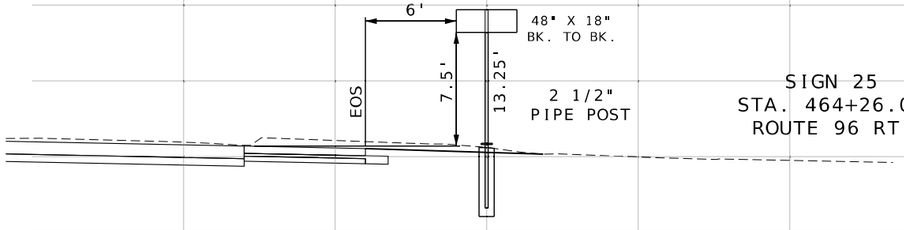
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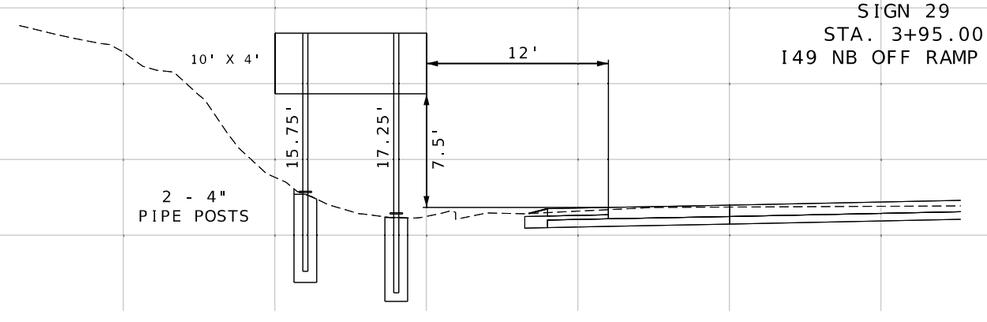
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STA. 2+95.00
I49 NB OFF RAMP LT.



SIGN 25
STA. 464+26.00
ROUTE 96 RT.



SIGN 29
STA. 3+95.00
I49 NB OFF RAMP LT.

SIGNING
SHEET 31 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	233

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

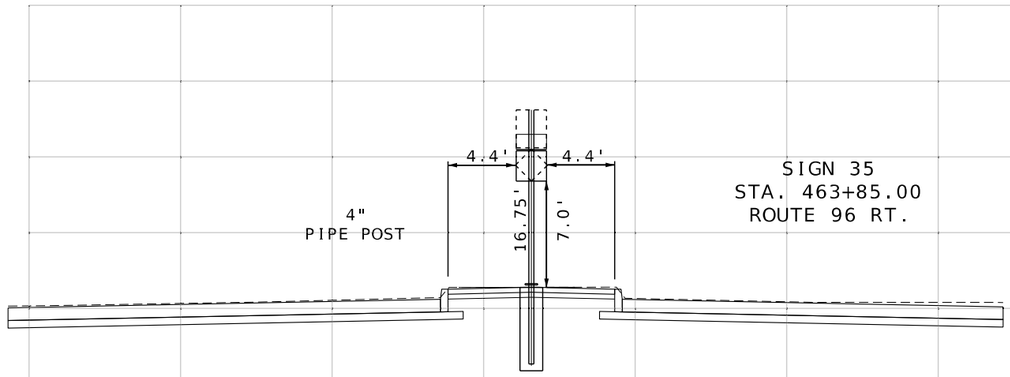
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DATE

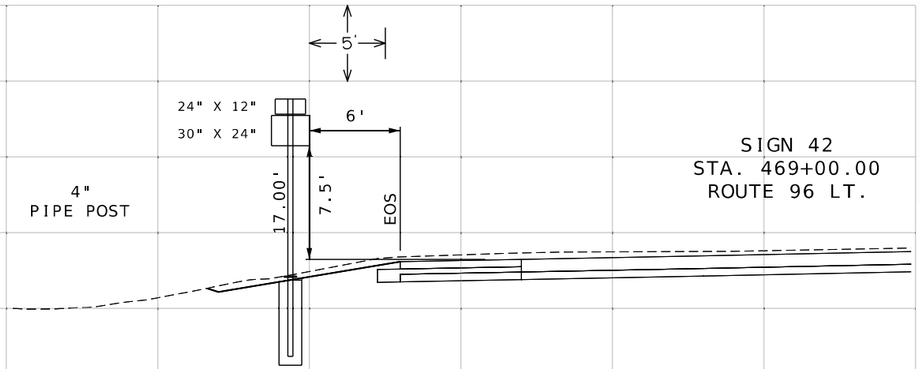
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

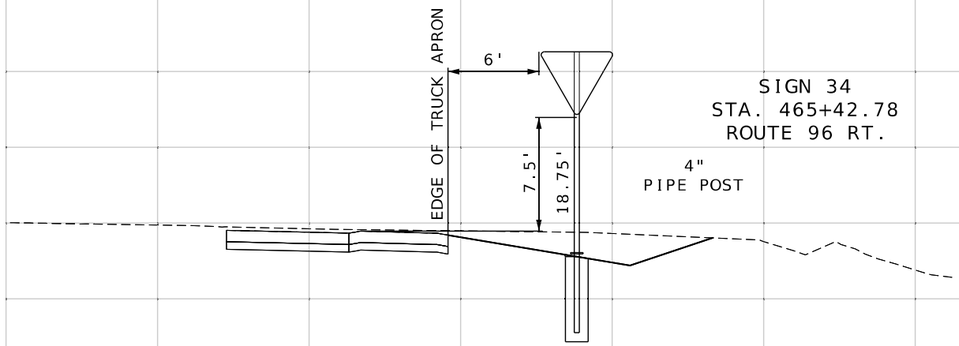
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



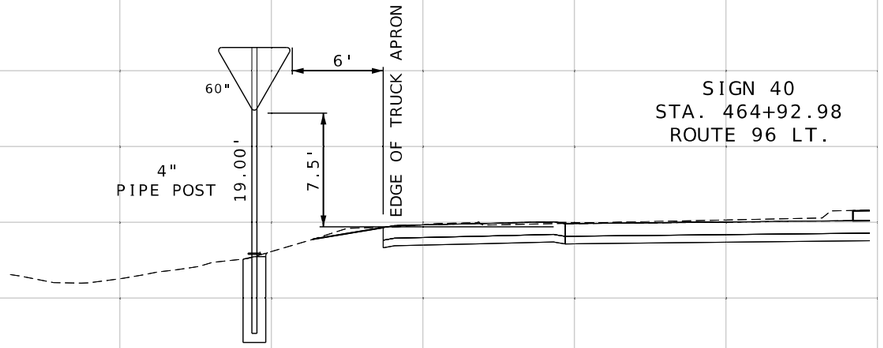
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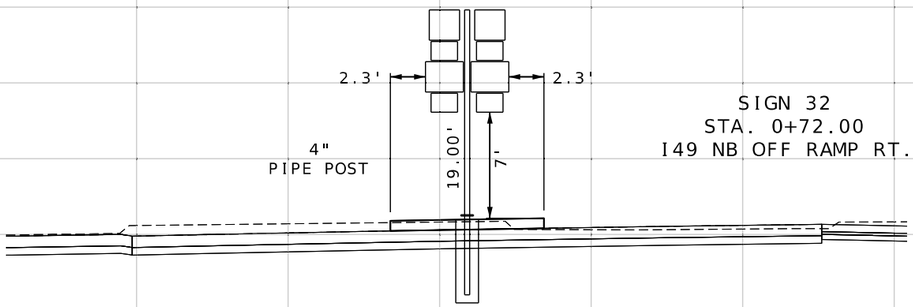
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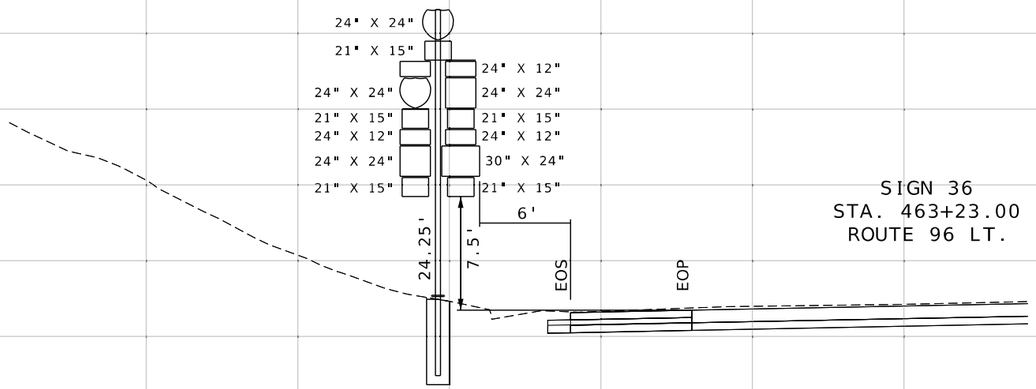
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SIGN 40
STA. 464+92.98
ROUTE 96 LT.



SIGN 32
STA. 0+72.00
I49 NB OFF RAMP RT.



SIGN 36
STA. 463+23.00
ROUTE 96 LT.

SIGNING
SHEET 32 OF 36

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	234

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

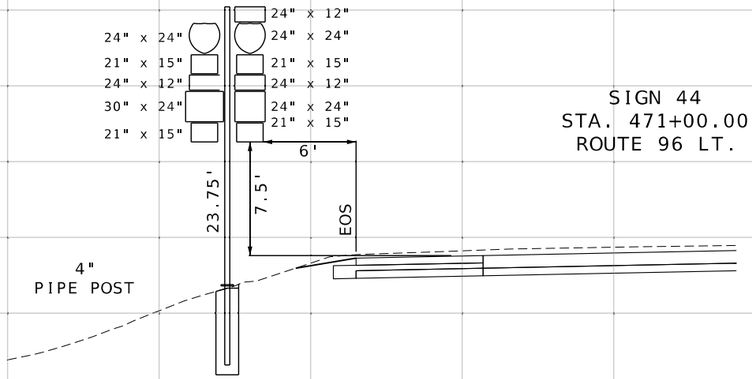
PROJECT NO.
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BRIDGE NO.
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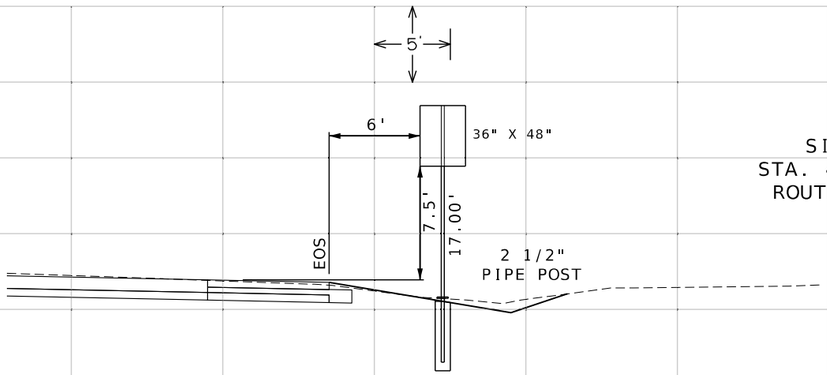
DESCRIPTION	DATE

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

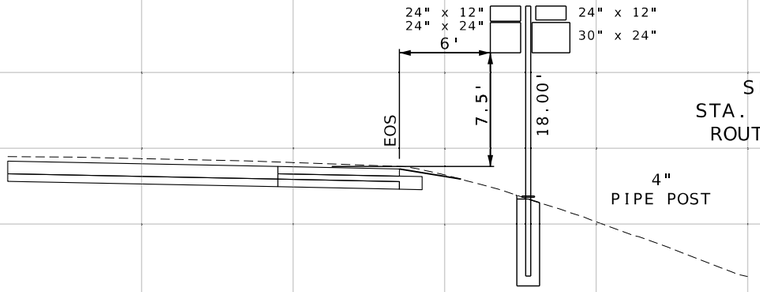
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.



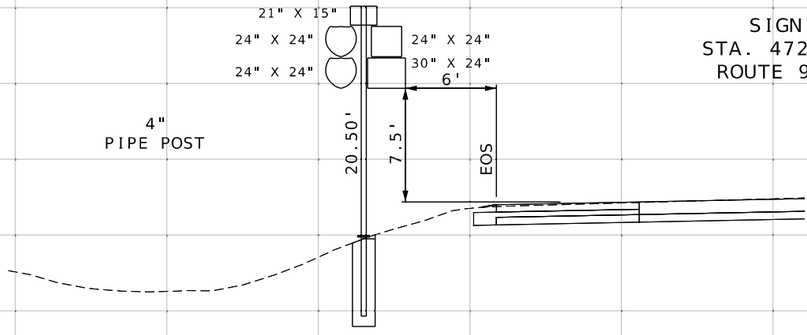
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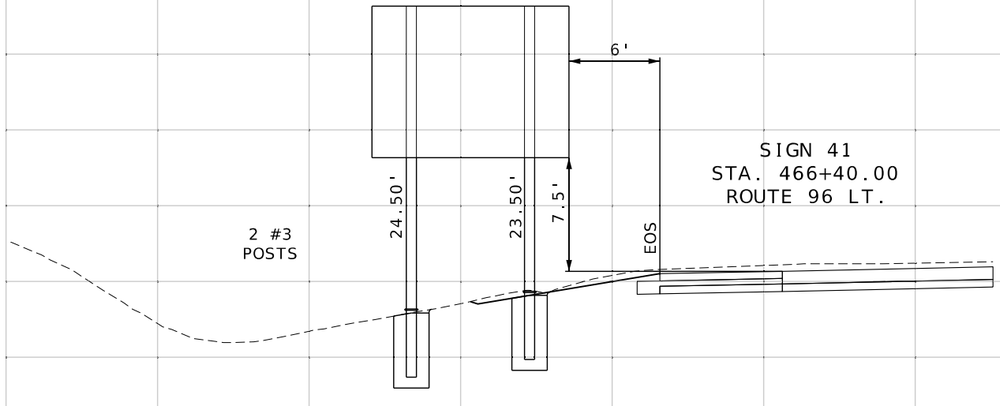
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ROUTE 96 RT.



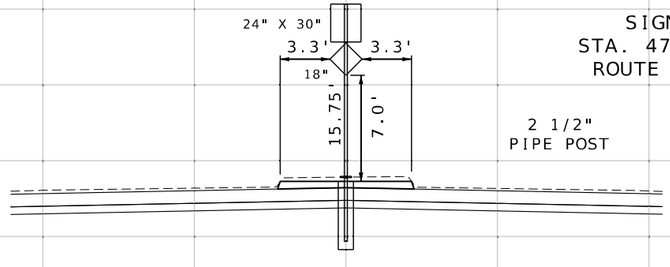
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ROUTE 96 RT.



SIGN 46
STA. 472+75.00
ROUTE 96 LT.



SIGN 41
STA. 466+40.00
ROUTE 96 LT.



SIGN 45
STA. 472+30.00
ROUTE 96 RT.

SIGNING
SHEET 33 OF 36

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	235

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

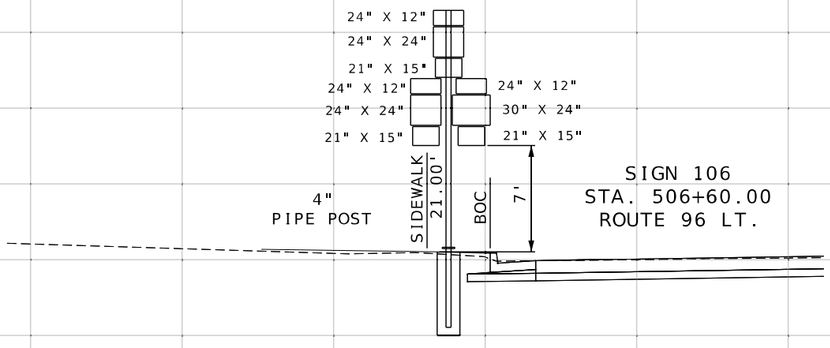
DESCRIPTION	DATE

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.





SIGN 106
STA. 506+60.00
ROUTE 96 LT.

SIGNING
SHEET 34 OF 36

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	236

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

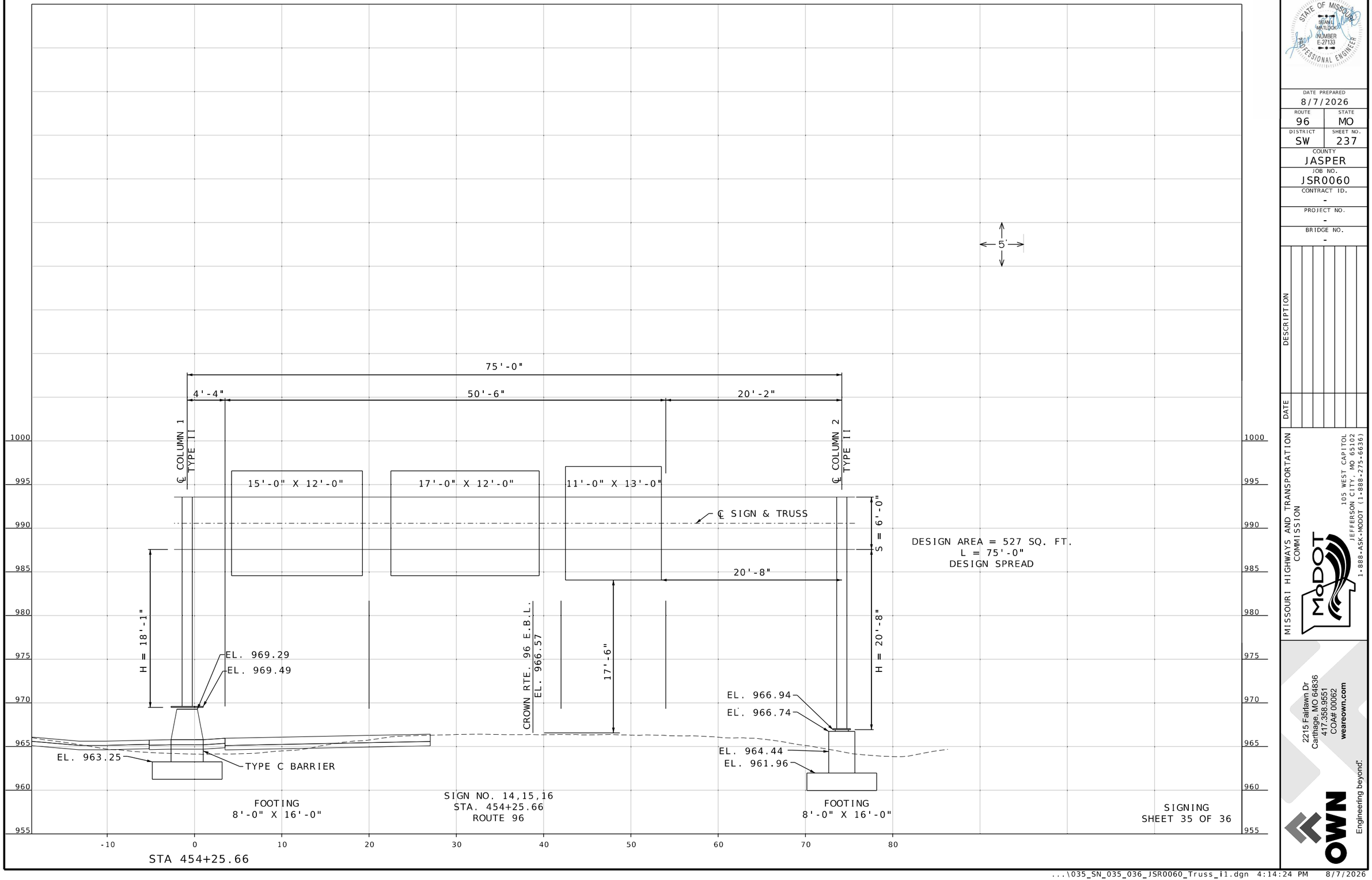
PROJECT NO.
-

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.



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

DATE PREPARED	8/7/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	237
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

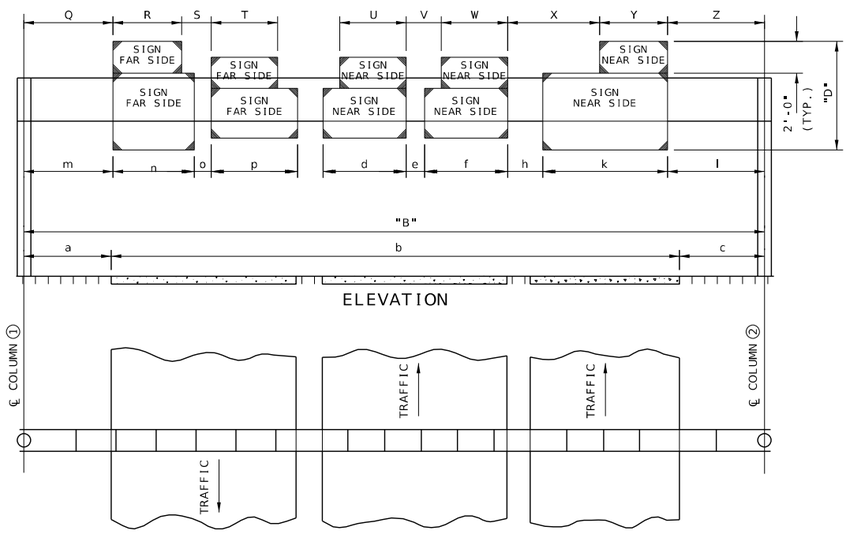
DESCRIPTION | DATE

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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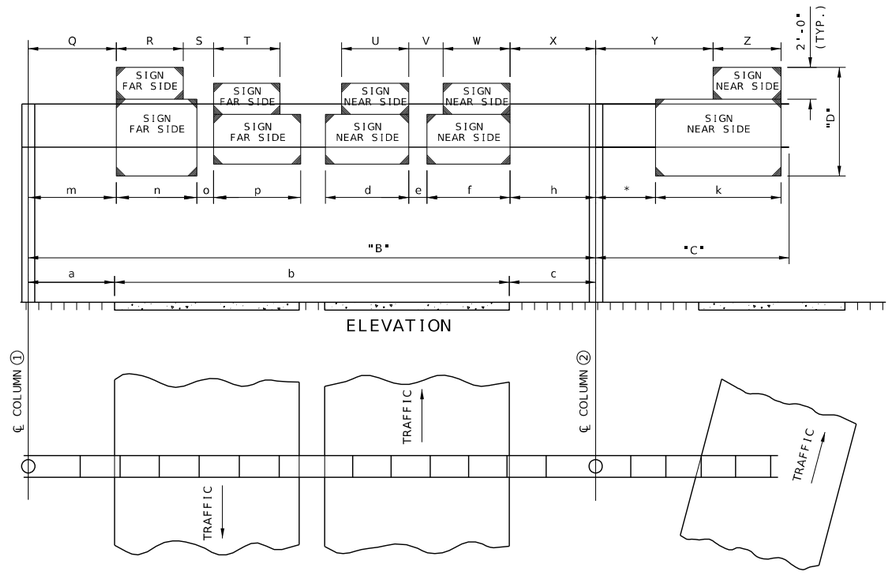
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EFFECTIVE 04-01-1999



PLAN

DIMENSIONS
TYPE 'B' SIGN BRIDGE



PLAN

DIMENSIONS
TYPE 'BC' SIGN BRIDGE

NOTE: ABOVE MINIMUMS ARE RECOMMENDED DIMENSIONS.

* MINIMUM = 6'-0" WHEN ALUMINUM IS USED.

SIGN BRIDGE DIMENSIONS

SIGN NO.	STATION NUMBER	TRUSS DESCRIPTION					ROADWAY DESCRIPTION			"D"	SIGN SPACING															COLUMN DATA				
					CHORD						NEAR SIDE									FAR SIDE							COLUMN 1		COLUMN 2		CONCRETE FOOTINGS (CU. YD.)
		Type	"B"	"C"	ALUM.	STEEL	a	b	c		d	Ht.	e	f	Ht.	h	k	Ht.	l	m	n	Ht.	o	p	Ht.	H	TYPE	H	TYPE	
14,15,16	454+25.66	B	75.0		4X1/4	4X4X1/2	4.335	50.50	20.165	13	15	12	3.25	17	12	3	11	13	20.665							18.08	II	20.63	II	26.4

SIGN BRIDGE DIMENSIONS

SIGN NO.	STATION NUMBER	TRUSS DESCRIPTION					ROADWAY DESCRIPTION			"D"	SIGN SPACING										
					CHORD						NEAR SIDE							FAR SIDE			
		Type	"B"	"C"	ALUM.	STEEL	a	b	c		U	V	W	X	Y	Z		Q	R	S	T

OVERHEAD SIGN TRUSSES
STRUCTURAL STEEL OR ALUMINUM

DATA SHEET
(SEE STANDARD 903.10 OR 903.60)

GENERAL NOTES

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS - 1985 AND LATEST INTERIM.

BASIC ASSUMPTIONS: WIND VELOCITY = 70 mph, WIND PRESSURE ON SIGN AREA = 27 psf, ICE LOAD = 3 psf.

STRUCTURAL ALUMINUM STRESS = 10,000 psi.

STRUCTURAL CARBON STEEL (ASTM A709 GRADE 36) fs = 20,000 psi.

REINFORCING STEEL (GRADE 40) fs= 20,000 psi.

CLASS B CONCRETE fc = 1,200 psi.

ALLOWABLE SOIL PRESSURE = 2,750 psf.

ALLOWABLE UNIT STRESSES DUE TO WIND LOAD OR WIND LOAD IN COMBINATION WITH OTHER FORCES ARE INCREASED 40%.

MINIMUM CLEARANCE: VERTICAL ROADWAY CLEARANCE = 17~6".

MINIMUM CLEARANCE TO REINFORCING SHALL BE 2", UNLESS OTHERWISE SHOWN.

TRUSS SHALL BE ALL WELDED CONSTRUCTION. ALL WELDING TO BE CONTINUOUS UNLESS OTHERWISE SHOWN.

QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED.

STRUCTURAL STEEL WELDING AND WELDER QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE A.W.S. D1.2 BRIDGE WELDING CODE AS AMENDED BY THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS ON STRUCTURAL STEEL CONSTRUCTION.

ALUMINUM WELDING AND WELDER QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF A.W.S. D1.2 STRUCTURAL WELDING CODE - ALUMINUM, EXCEPT AS AMENDED BY SECTION 903 OF THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ALL ALUMINUM FILLET WELDS SHALL BE $\frac{3}{16}$" UNLESS OTHERWISE SHOWN.

COATING: ALL COLUMNS SHALL BE GALVANIZED AS PER AASHTO M 111. ALL STRUCTURAL STEEL (EXCEPT THE COLUMNS) SHALL BE CLEANED AND COATED WITH SYSTEM G IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTIONS 712.12 AND 903.3.4. COLOR OF THE FINISHED COAT SHALL BE GRAY.

PAYMENT FOR GALVANIZING, CLEANING AND COATING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SIGN TRUSS. ALL THE STRUCTURAL STEEL MAY BE GALVANIZED IN LIEU OF COATING PORTIONS OF THE STEEL MAY BE GALVANIZED WITH THE APPROVAL OF THE ENGINEER.

PERMITS MUST BE OBTAINED FOR ALL TRUCK LOADS OVER LEGAL LENGTH.

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	2X8

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
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BRIDGE NO.
-

DESCRIPTION	DATE

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

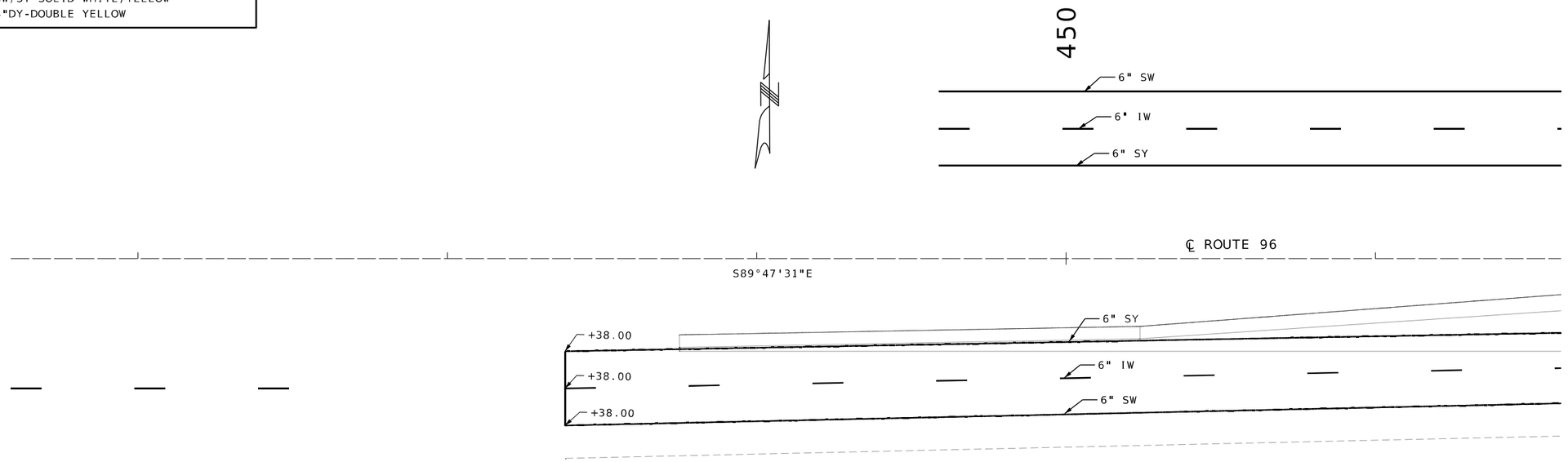
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SHEET 36 OF 36

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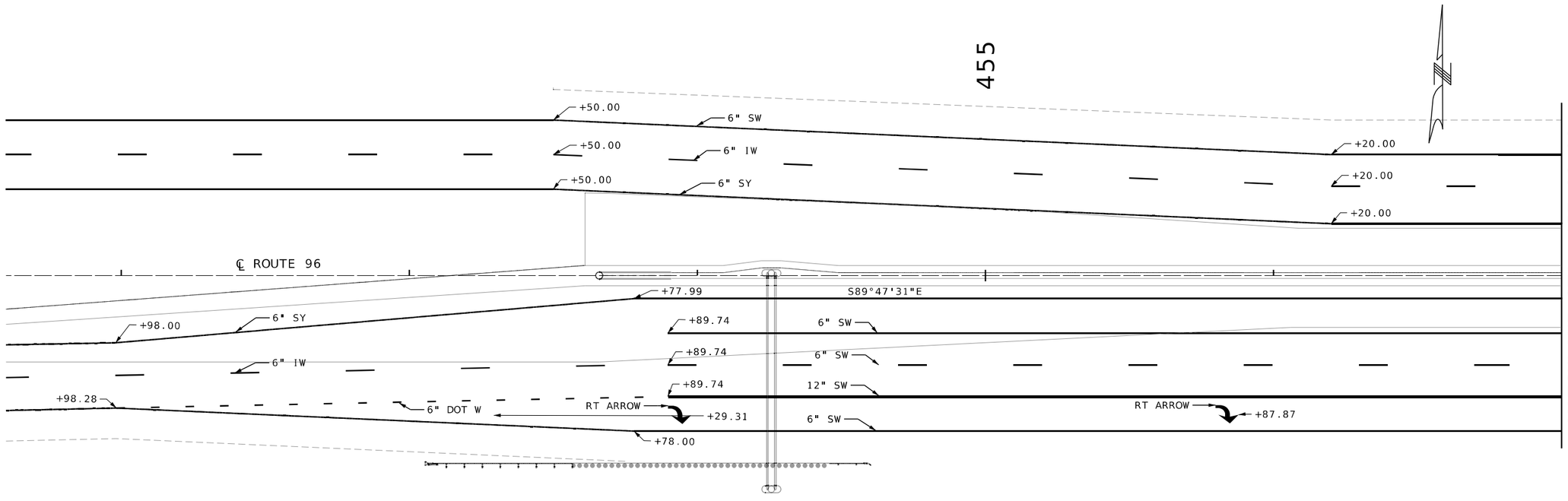
STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
1. SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING DETAILS
2. THE CONTRACTOR SHALL REPLACE ALL DISTURBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.
3. SEE TYPICAL SECTION SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.



NOTES:
1. SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING DETAILS
2. THE CONTRACTOR SHALL REPLACE ALL DISTRUBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.
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PAVEMENT MARKING
SHEET 1 OF 15

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

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	239

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION	DATE

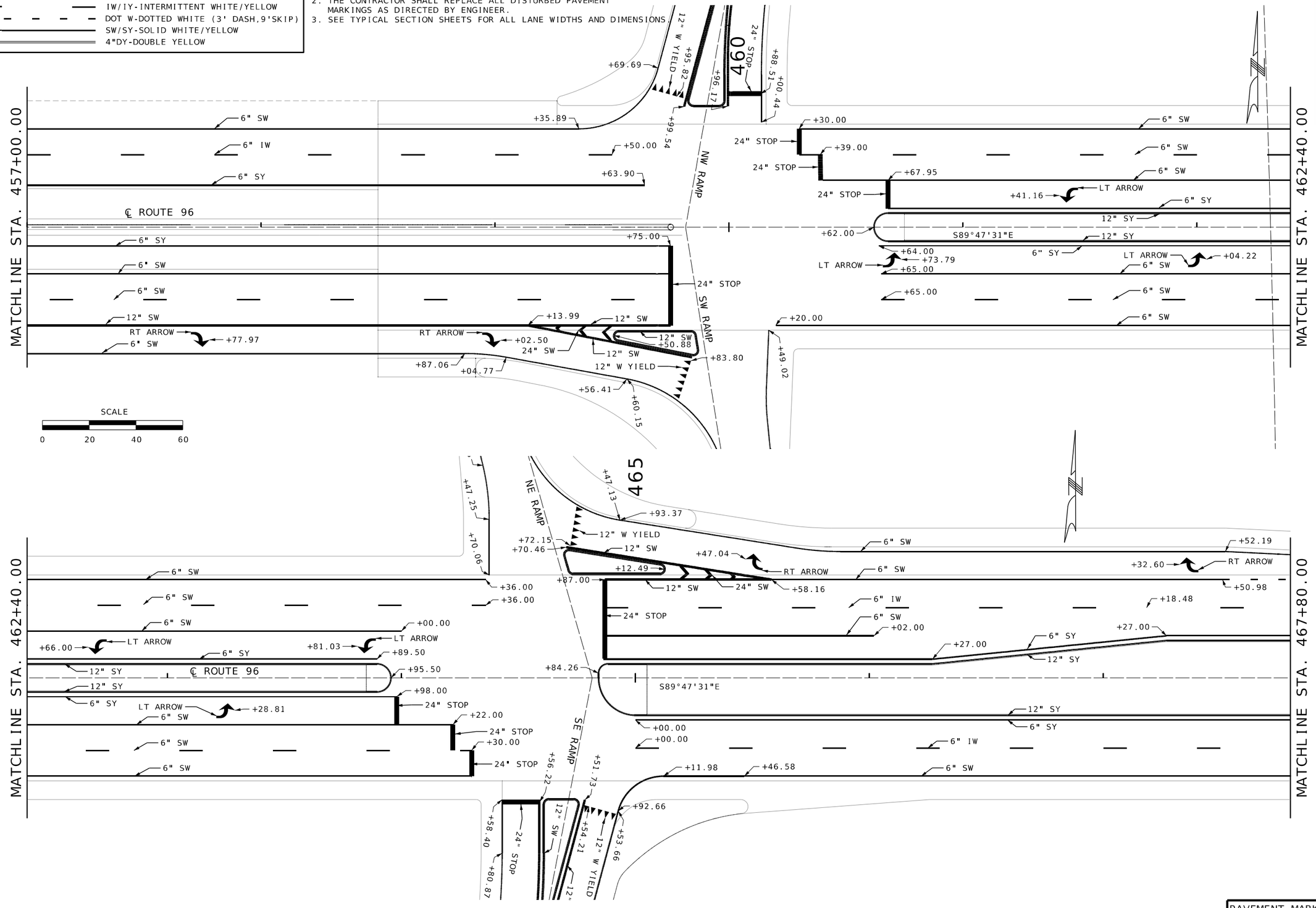
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
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2. THE CONTRACTOR SHALL REPLACE ALL DISTURBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.
3. SEE TYPICAL SECTION SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.



PAVEMENT MARKING
SHEET 2 OF 15

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

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	240

COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: -

DESCRIPTION	DATE

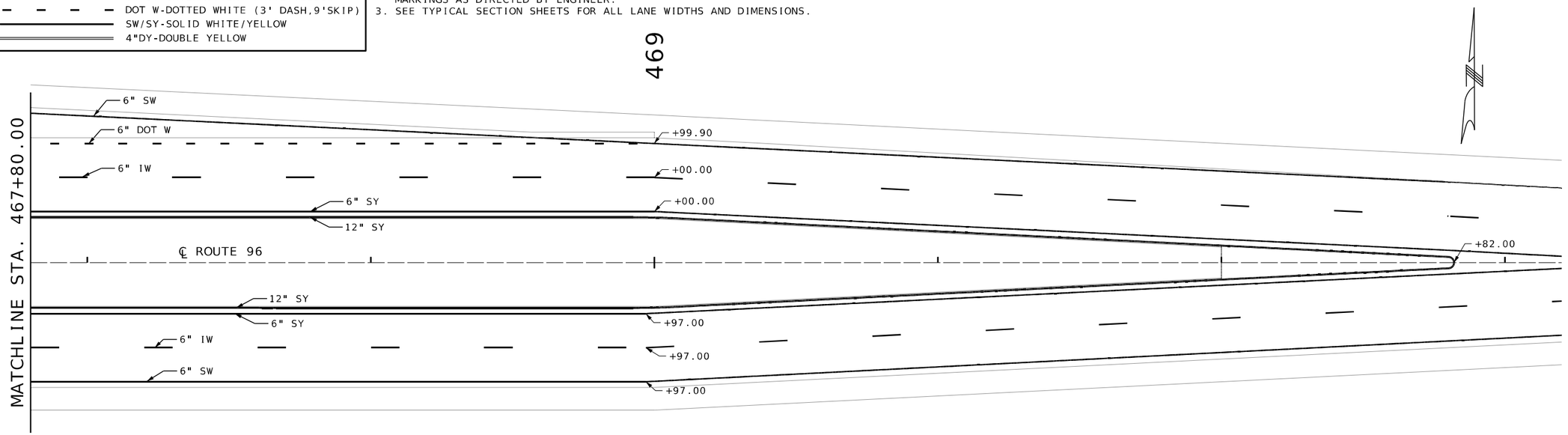
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
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PAVEMENT MARKING
SHEET 3 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	241

COUNTY
JASPER

JOB NO.
JSR0060

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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STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
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5

START STA 4+60.79

+65.00 NW RAMP 6" SY

LT ARROW +80.15 +72.00

RT ARROW +80.42

+65.00 6" SW +72.00

MATCHLINE STA. 8+50.00

10

MATCHLINE STA. 8+50.00

NW RAMP 6" SY

LT ARROW +98.20

RT ARROW +98.29

+09.80

+46.89 12" SW

LT ARROW +17.15

24" SW 12" SW

+42.47

RT ARROW +16.44

12" SW

6" SW

+96.17

+95.82 +99.54

12" W YIELD

+85.34

+69.69

+35.89

+50.00

+63.90

+00.44

+88.51

24" STOP

+30.00 +39.00 24" STOP

+62.00 LT ARROW

+67

+20.00

+49.02

SW RAMP +83.80

+75.00

12" SW +50.88

12" SW 12" W YIELD

+60.15

+56.41

+13.99

+02.50 24" SW

+04.77

SCALE

0 20 40 60

PAVEMENT MARKING
SHEET 4 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	242

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

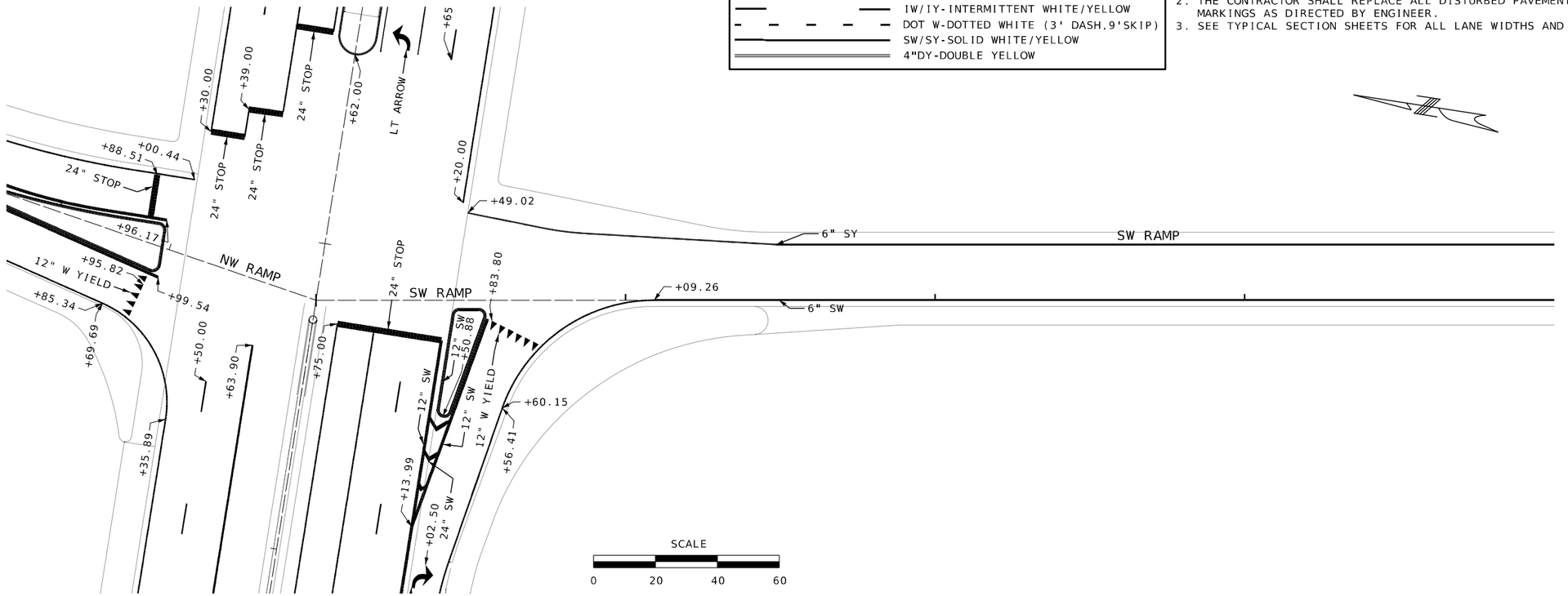
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

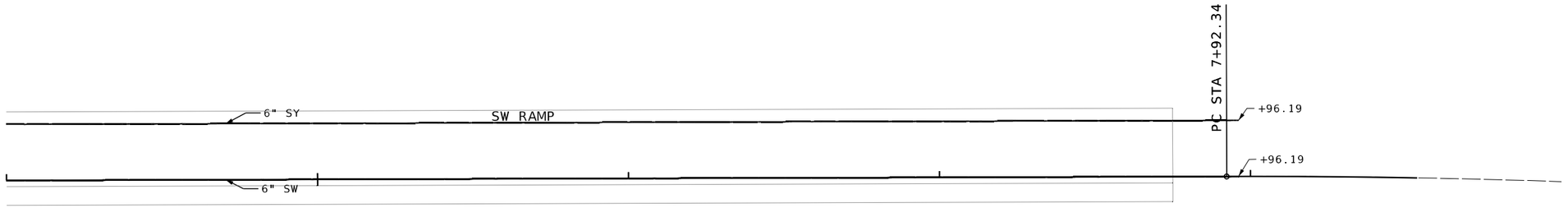
STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
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3. SEE TYPICAL SECTION SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.



5



SCALE
0 20 40 60

PAVEMENT MARKING
SHEET 5 OF 15

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

DATE PREPARED	9/30/2026
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	243
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

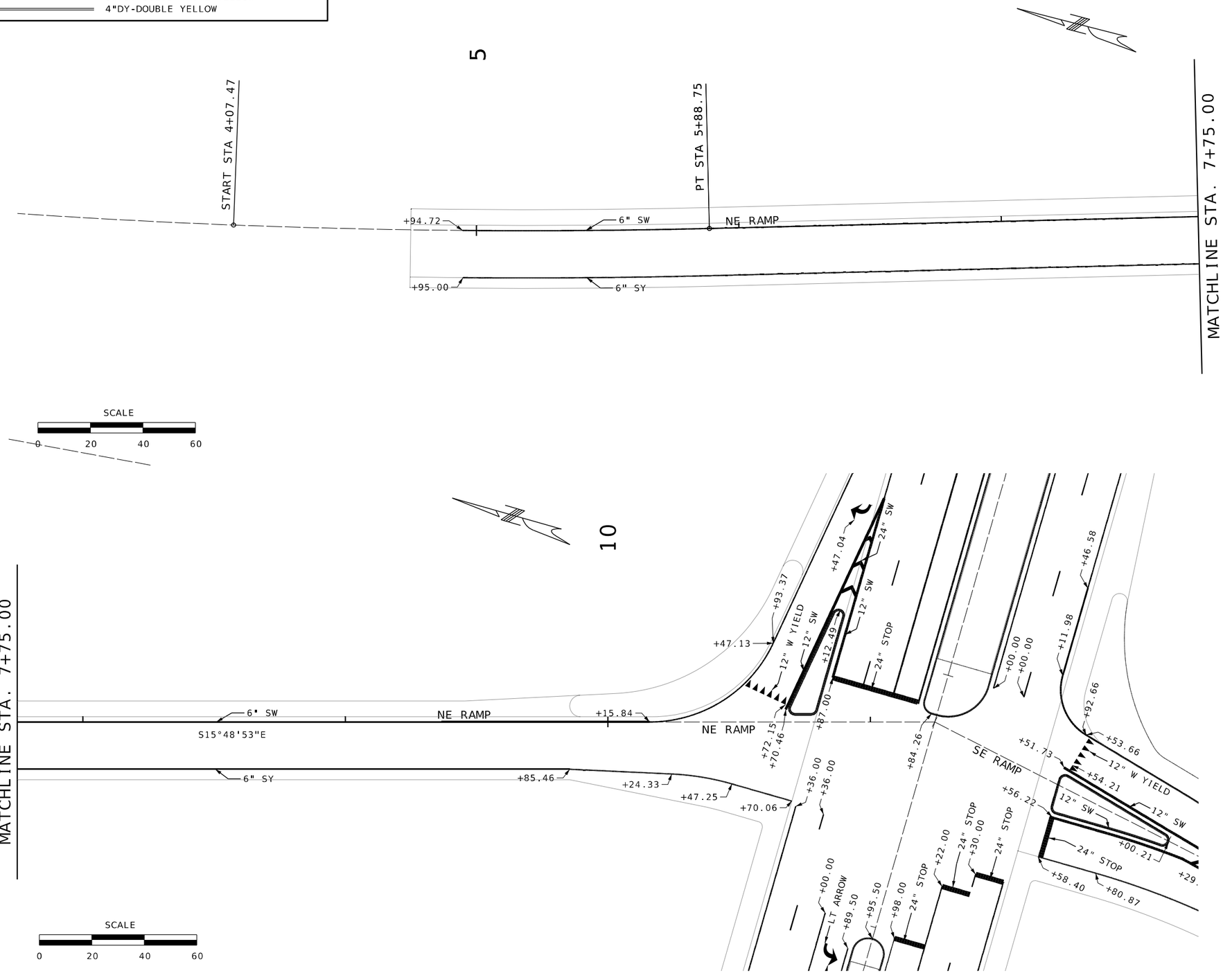
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
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STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	244

COUNTY
JASPER

JOB NO.
JSR0060

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)

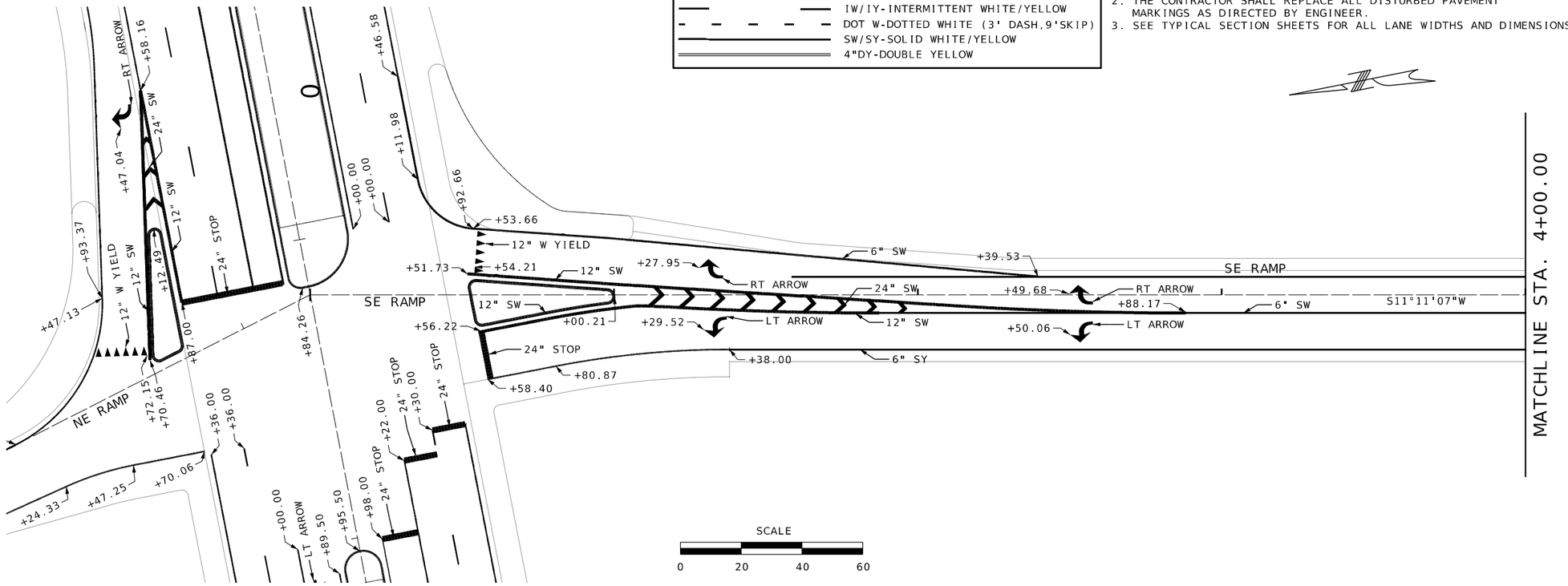
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

PAVEMENT MARKING
SHEET 6 OF 15

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
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2. THE CONTRACTOR SHALL REPLACE ALL DISTURBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.
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PAVEMENT MARKING
SHEET 7 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	245

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

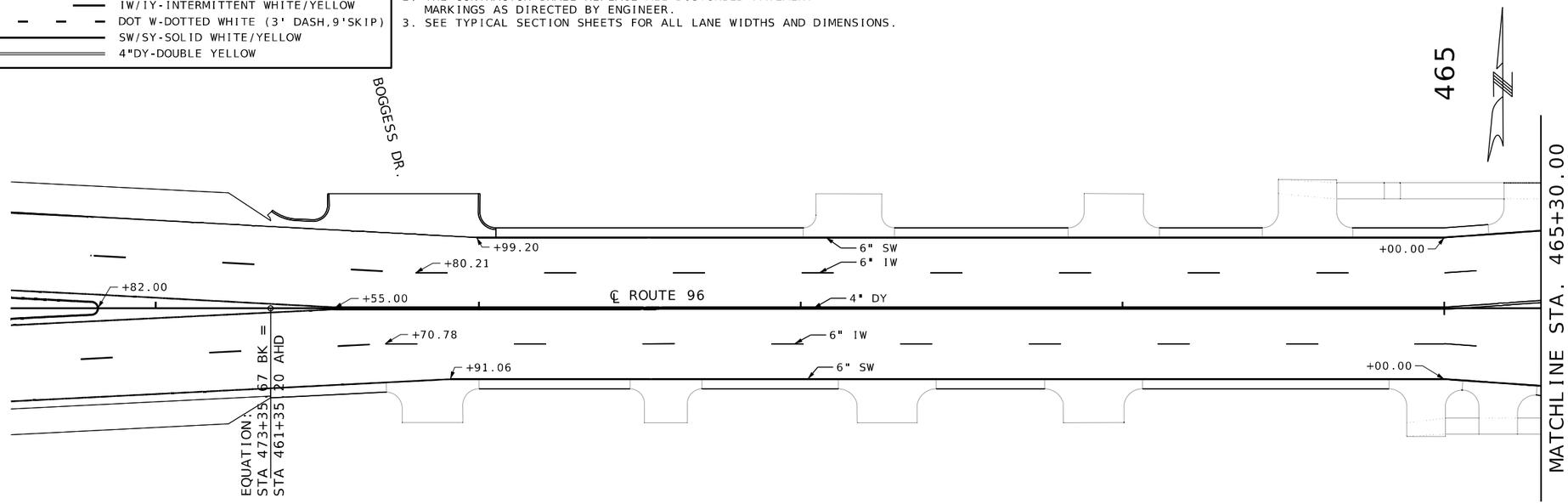
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

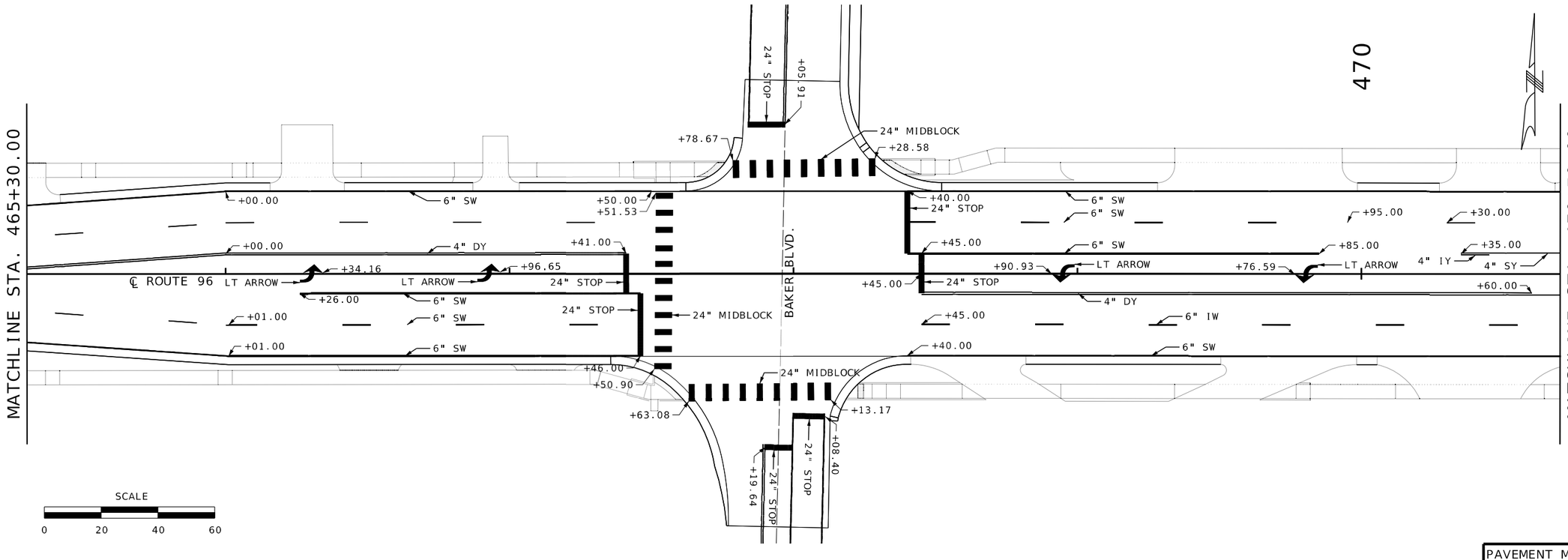
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
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NOTES:
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PAVEMENT MARKING
SHEET 8 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	246

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

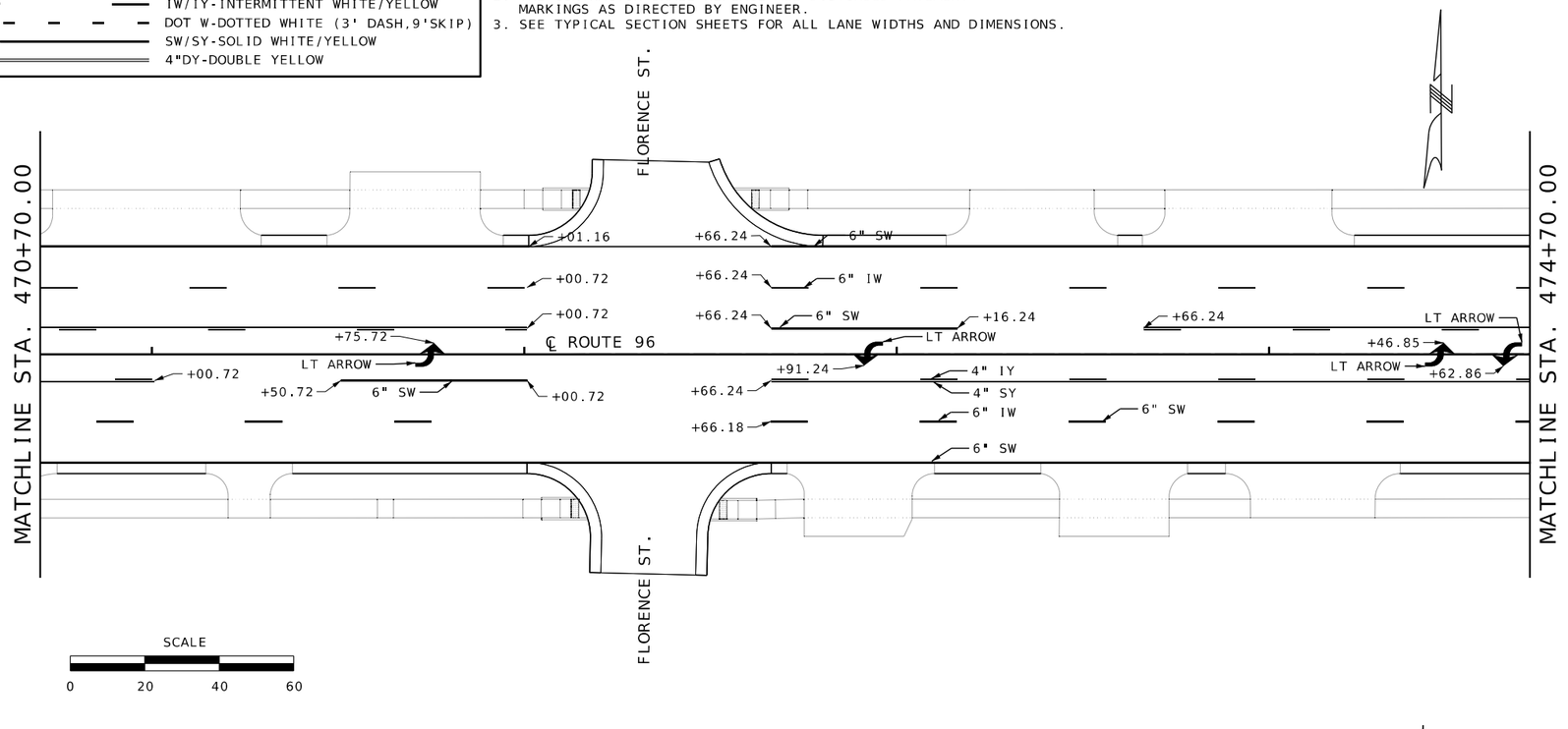
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

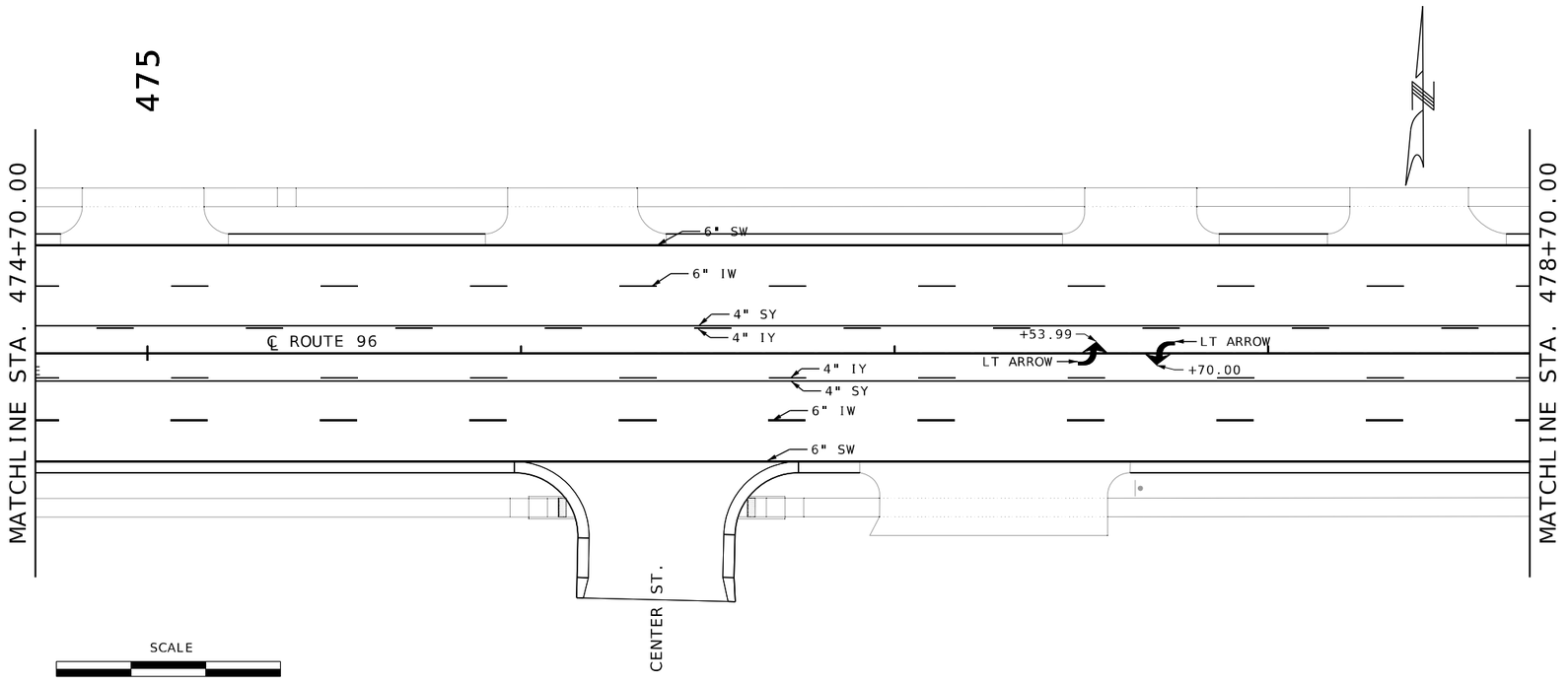
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
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PAVEMENT MARKING
SHEET 9 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	247

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

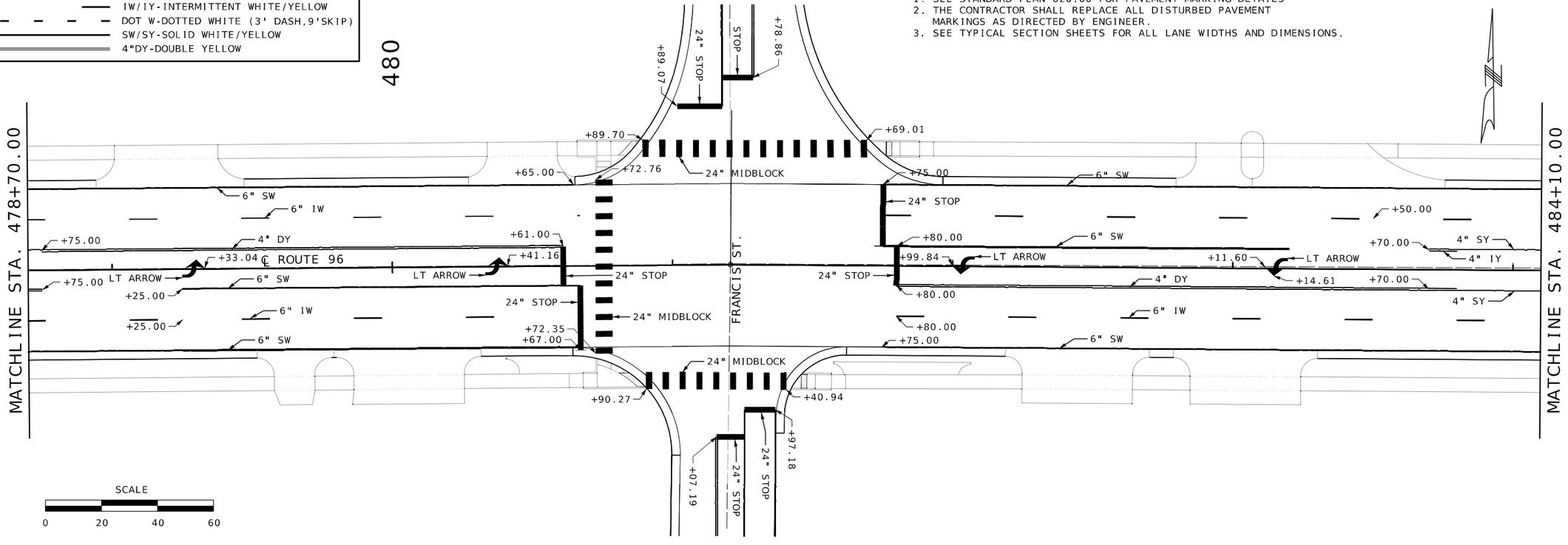
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

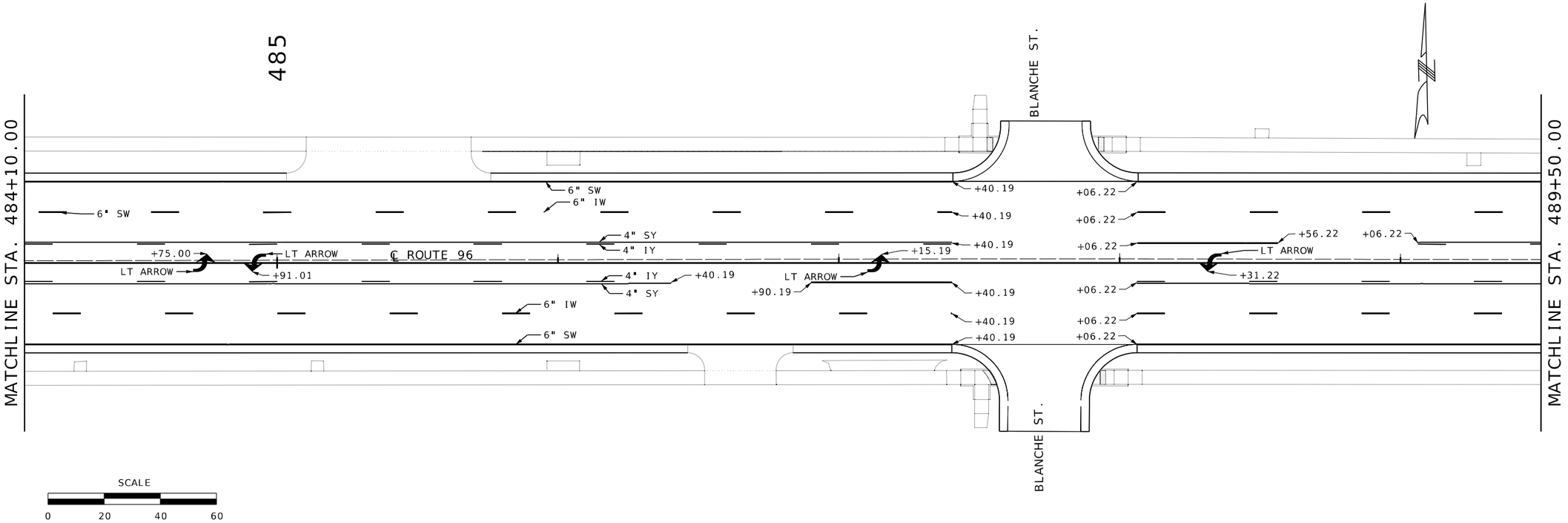
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
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NOTES:
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PAVEMENT MARKING
SHEET 10 OF 15

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	248
COUNTY	JASPER
JOB NO.	JSR0060
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)

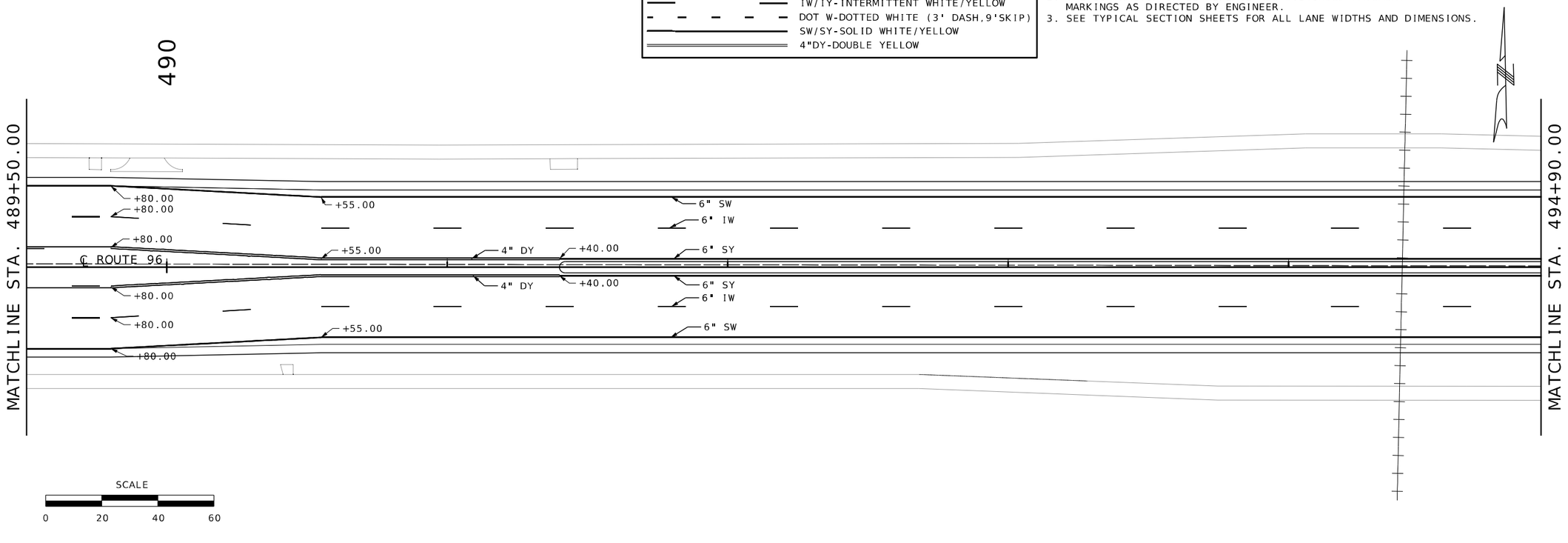
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

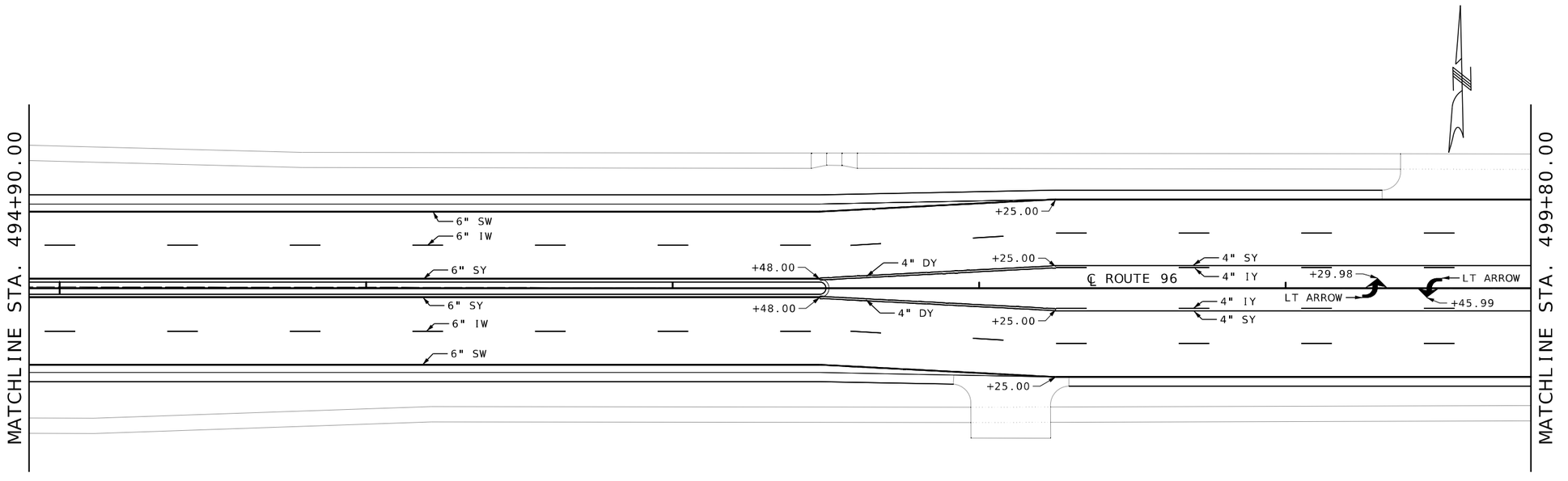
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STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

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PAVEMENT MARKING
SHEET 11 OF 15

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

DATE PREPARED	9/30/2026
ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	249
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

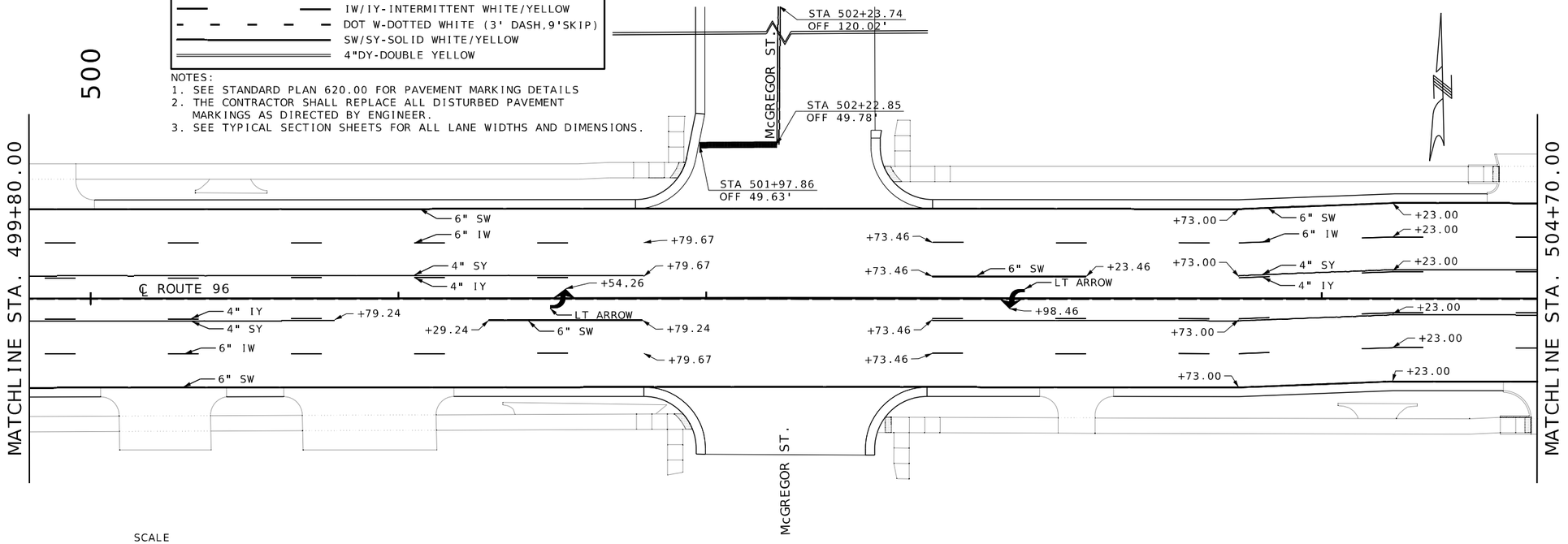
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

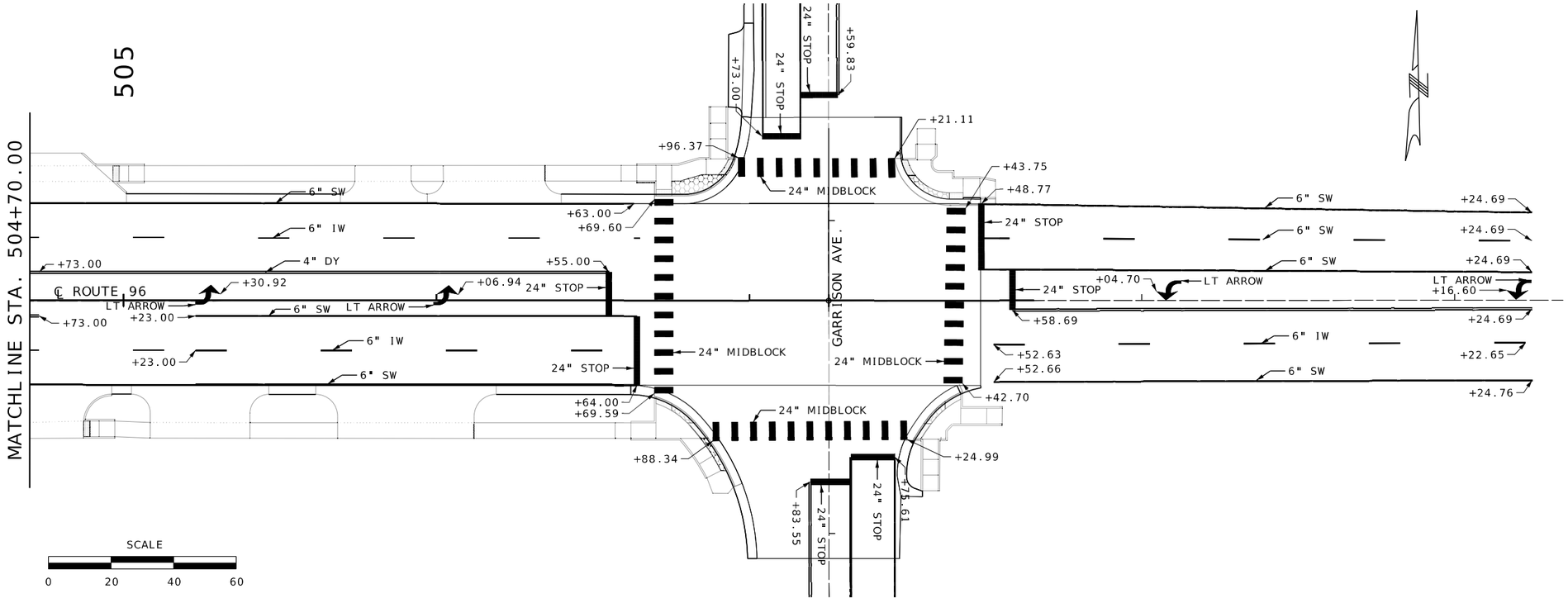
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
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NOTES:
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PAVEMENT MARKING
SHEET 12 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	250

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

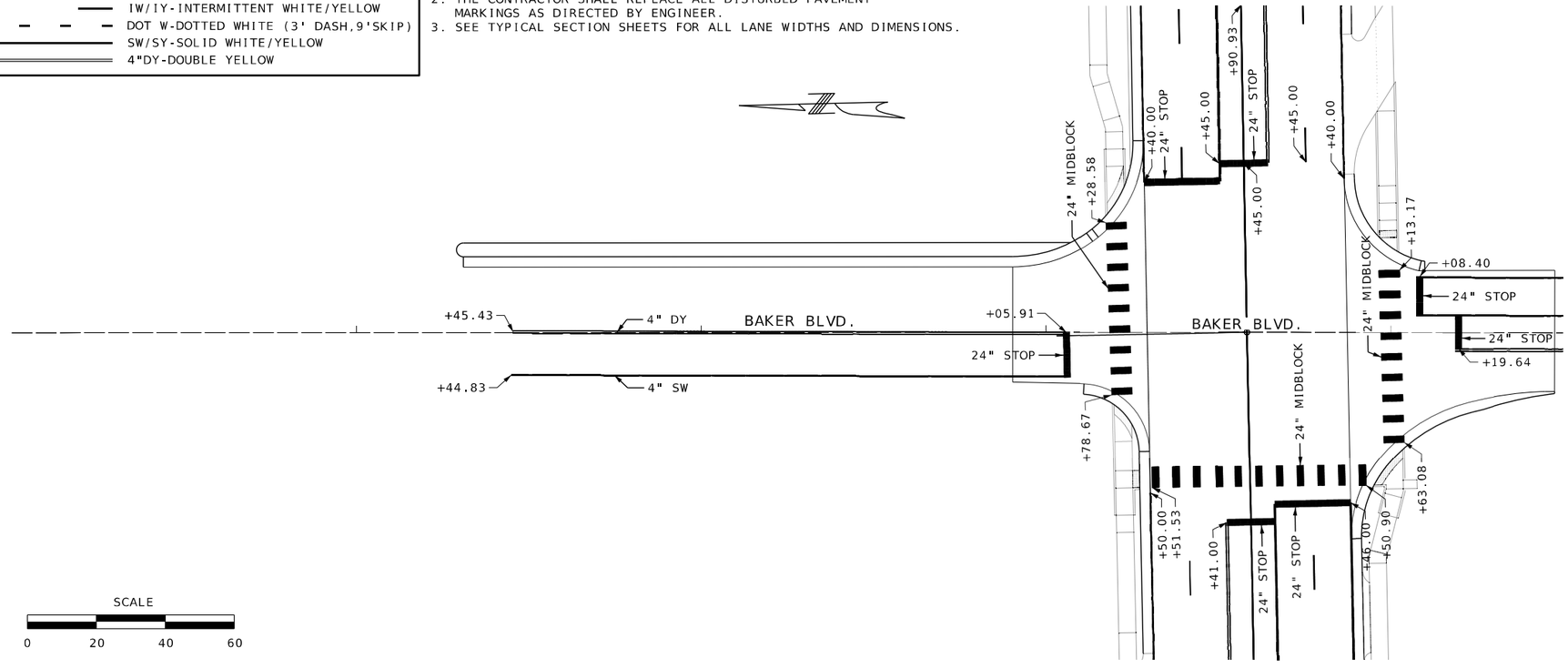
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

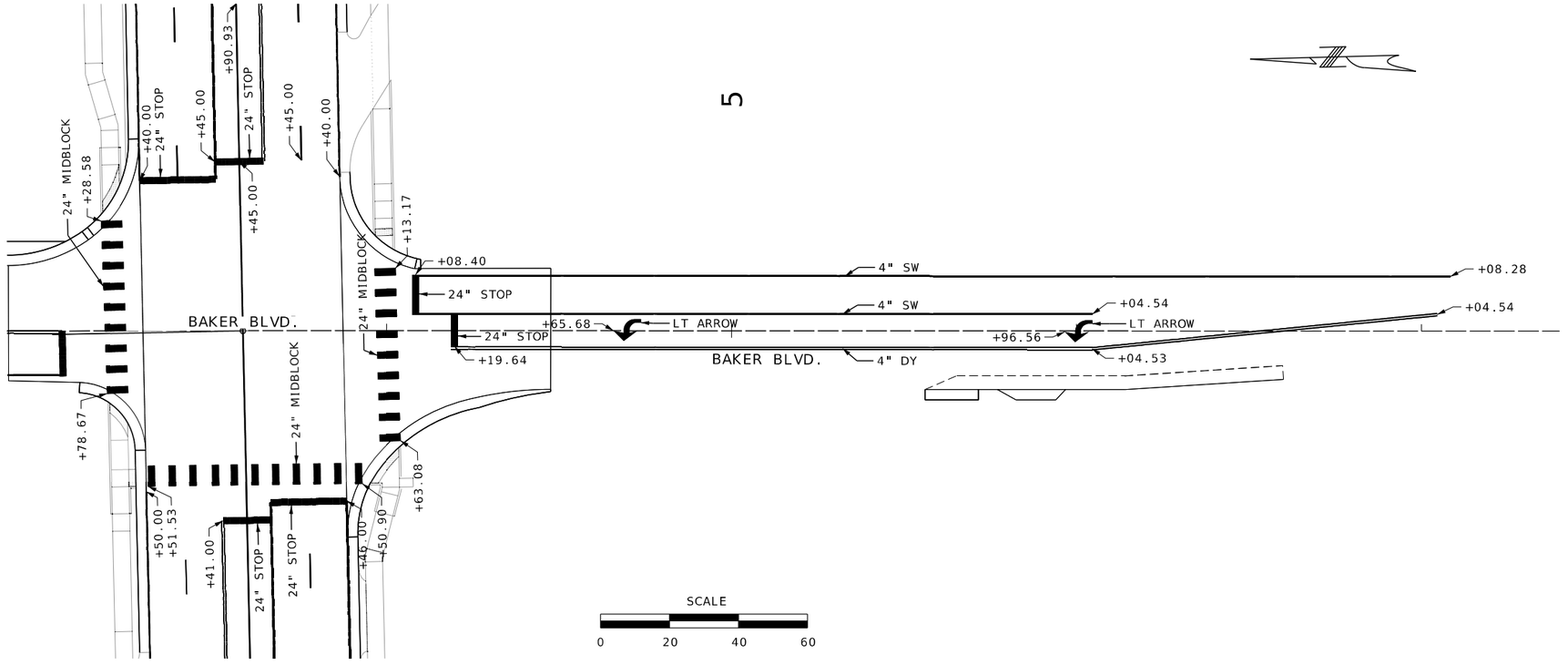
STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
1. SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING DETAILS
2. THE CONTRACTOR SHALL REPLACE ALL DISTURBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.
3. SEE TYPICAL SECTION SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.



SCALE
0 20 40 60



SCALE
0 20 40 60

5

PAVEMENT MARKING
SHEET 13 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	251

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DATE	DESCRIPTION

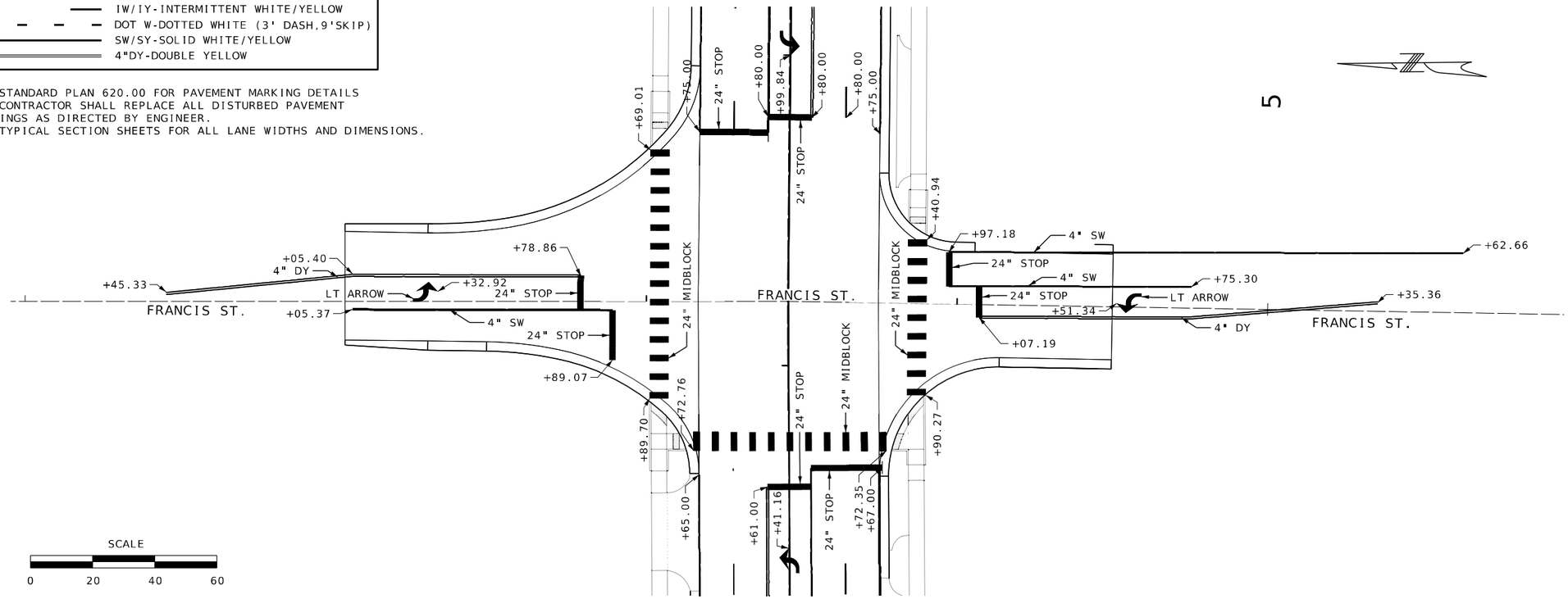
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
1. SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING DETAILS
2. THE CONTRACTOR SHALL REPLACE ALL DISTURBED PAVEMENT MARKINGS AS DIRECTED BY ENGINEER.
3. SEE TYPICAL SECTION SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.



PAVEMENT MARKING
SHEET 14 OF 15

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	252

COUNTY
JASPER

JOB NO.
JSR0060

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)

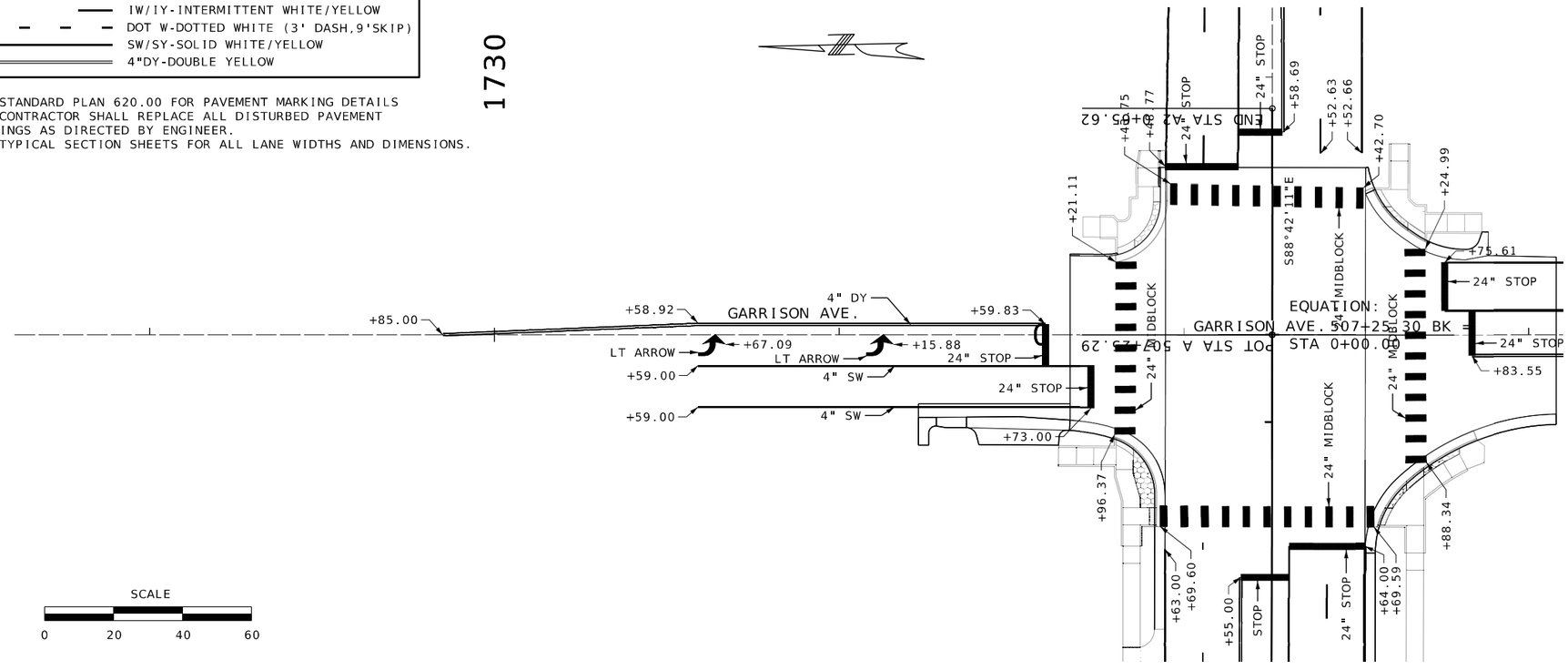
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

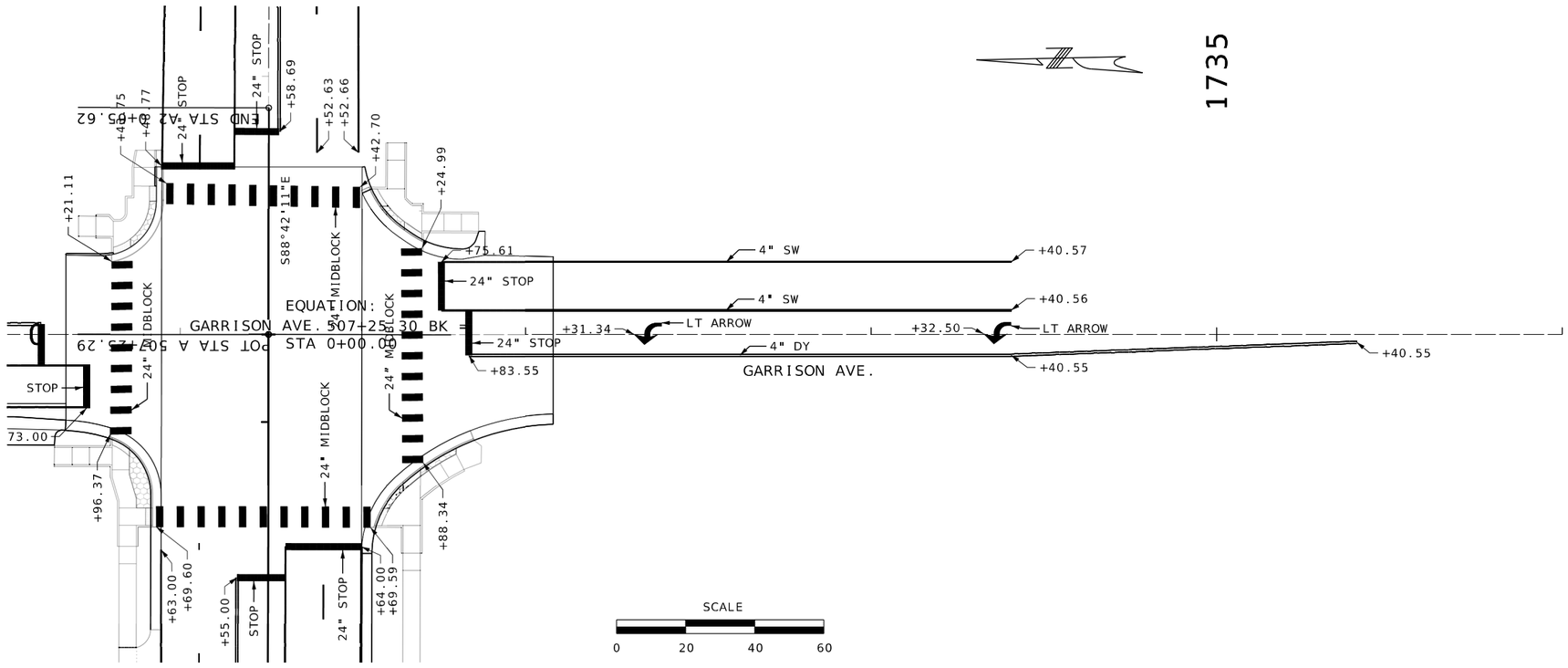
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STRIPING LEGEND

- IW/IY-INTERMITTENT WHITE/YELLOW
- DOT W-DOTTED WHITE (3' DASH,9'SKIP)
- SW/SY-SOLID WHITE/YELLOW
- 4"DY-DOUBLE YELLOW

NOTES:
1. SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING DETAILS
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3. SEE TYPICAL SECTION SHEETS FOR ALL LANE WIDTHS AND DIMENSIONS.





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

DATE PREPARED	
9/30/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	253
COUNTY	
JASPER	
JOB NO.	
JSR0060	
CONTRACT ID.	
-	
PROJECT NO.	
-	
BRIDGE NO.	
-	

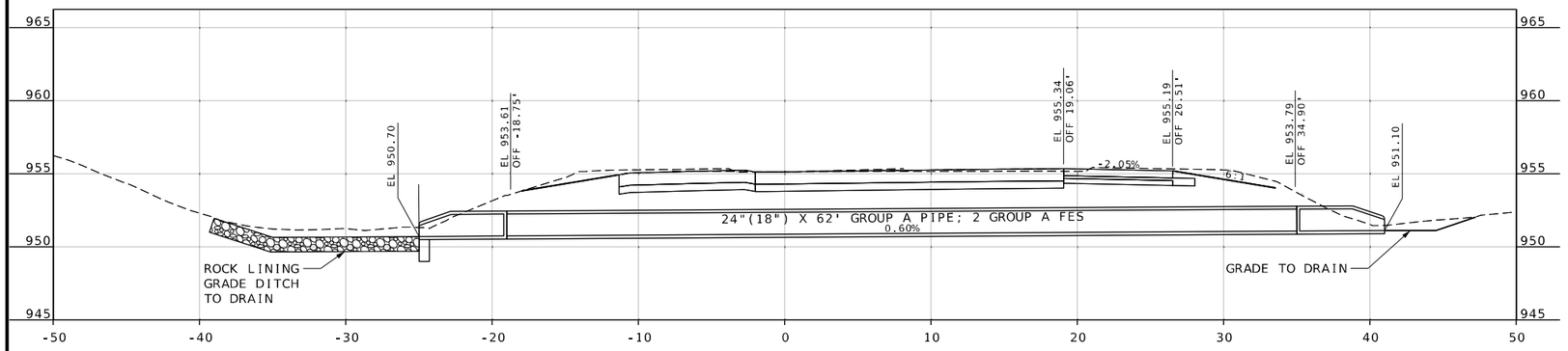
DESCRIPTION	DATE

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.

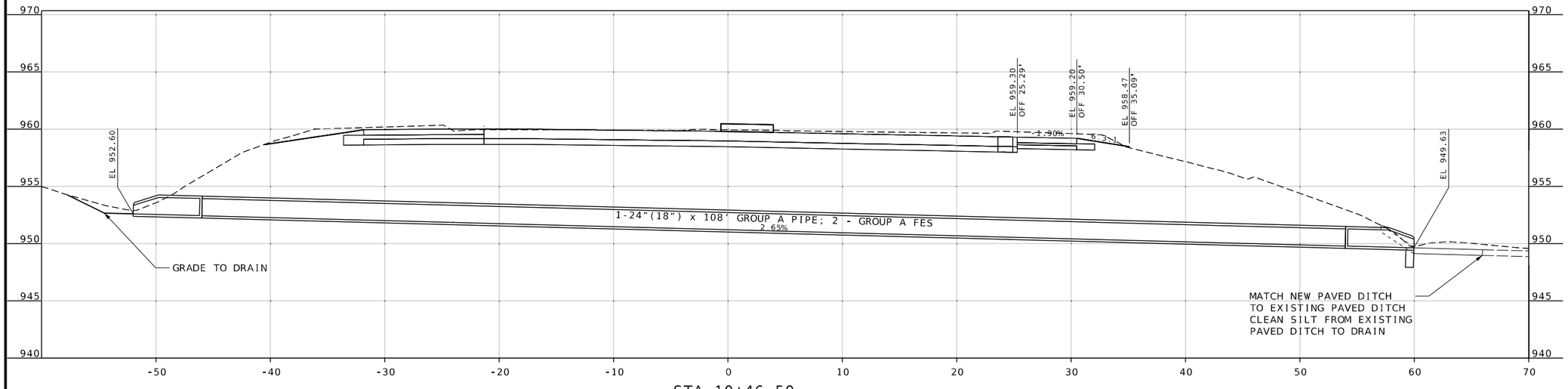
PAVEMENT MARKING
SHEET 15 OF 15



STA 10+08.00

RAMP 1

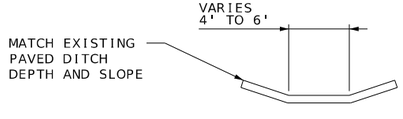
RAMP 1
STA. 10+08.00; NO SKEW
1-24”(18”) x 62’ GROUP A PIPE
2-GROUP A FES
42 CY CLASS 3 EXC.
3 CY ROCK LINING
D.A.=2.18 AC
Q_{25}=9.55 CFS
Q_{OT}= 15.81CFS; >100YR



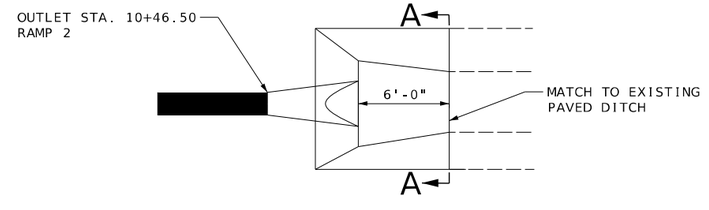
STA 10+46.50

RAMP 2

RAMP 2
STA. 10+46.50; 25°20'00" L.A.
1-24”(18”) x 108’ GROUP A PIPE
2-GROUP A FES
144 CY CLASS 3 EXC.
9.5 SY PAVED DITCH
D.A.=1.80 AC
Q_{25}=7.88 CFS
Q_{OT}= 22.44 CFS; >100YR



A - A



CULVERT SHEET
SHEET 1 OF 14

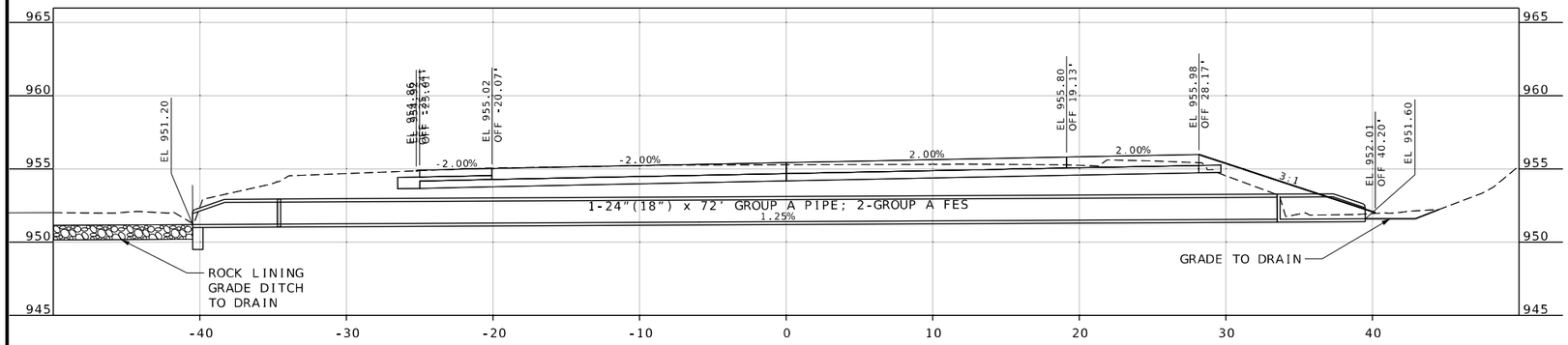
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED	
8/7/2026	
ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	254
COUNTY	
JASPER	
JOB NO.	
JSR0060	
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)

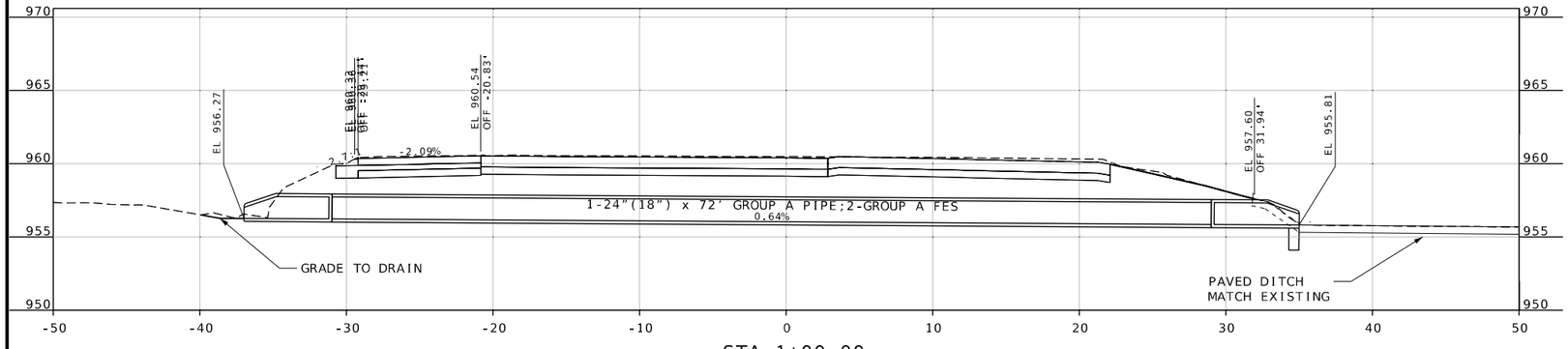
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



STA 1+12.00

RAMP 3

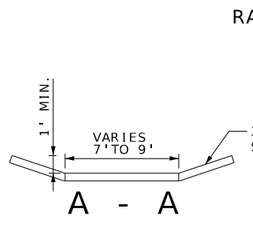
RAMP 3
STA. 1+12.00; NO SKEW
1-24"(18") x 72' GROUP A PIPE
2-GROUP A FES
48 CY CLASS 3 EXC.
3 CY ROCK LINING
D.A.=2.46 AC
Q_{25}=10.20 CFS
Q_{OT}= 13.77 CFS; 80YR

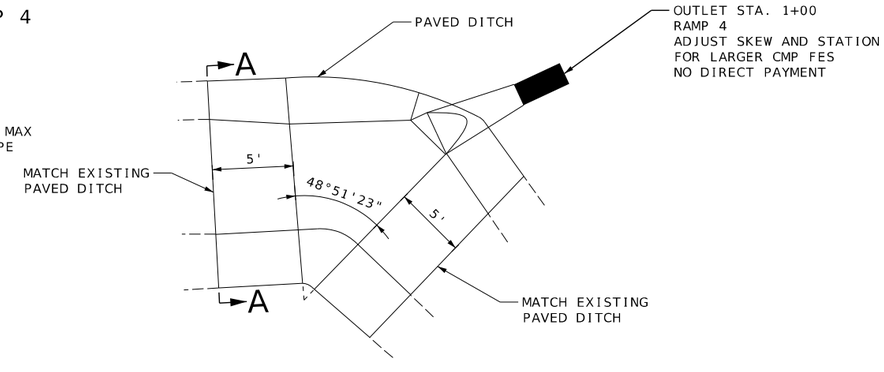


STA 1+00.00

RAMP 4

RAMP 4
STA. 1+00.00; NO SKEW
1-24"(18") x 72' GROUP A PIPE
2-GROUP A FES
46 CY CLASS 3 EXC.
28 SY PAVED DITCH
D.A.=2.68 AC
Q_{25}=10.29 CFS
Q_{OT}= 15.44 CFS; >100YR





CULVERT SHEET
SHEET 2 OF 14

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	255

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

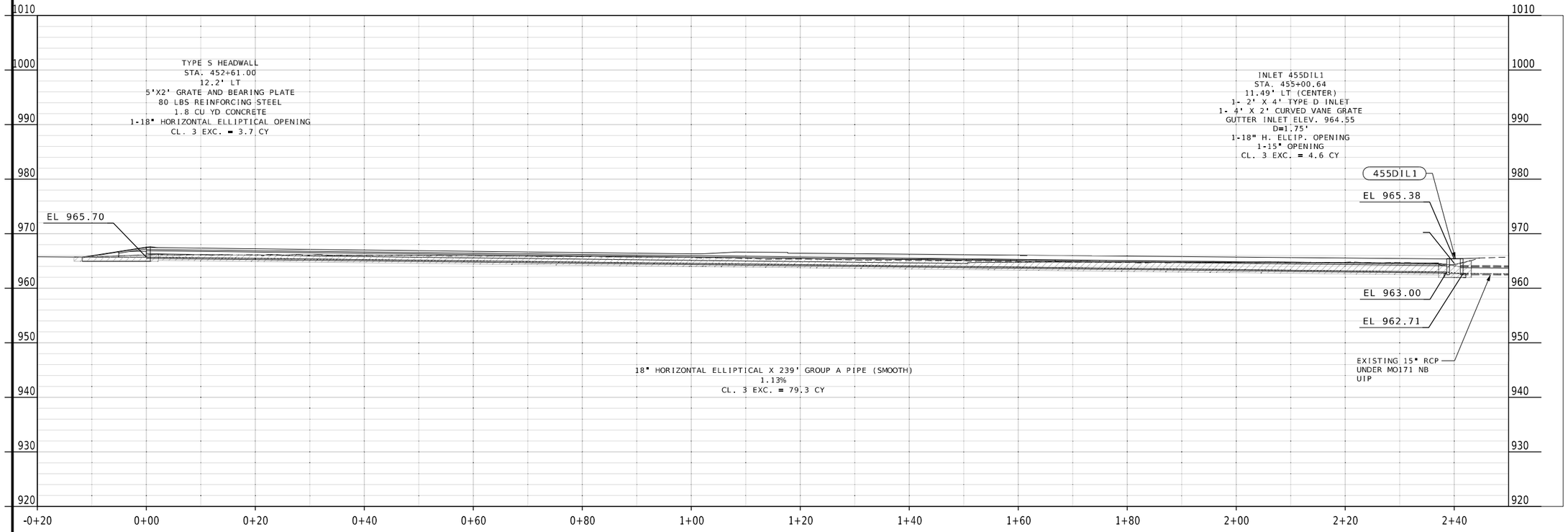
BRIDGE NO.
-

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.



CULVERT SHEET
SHEET 3 OF 14

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	256

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

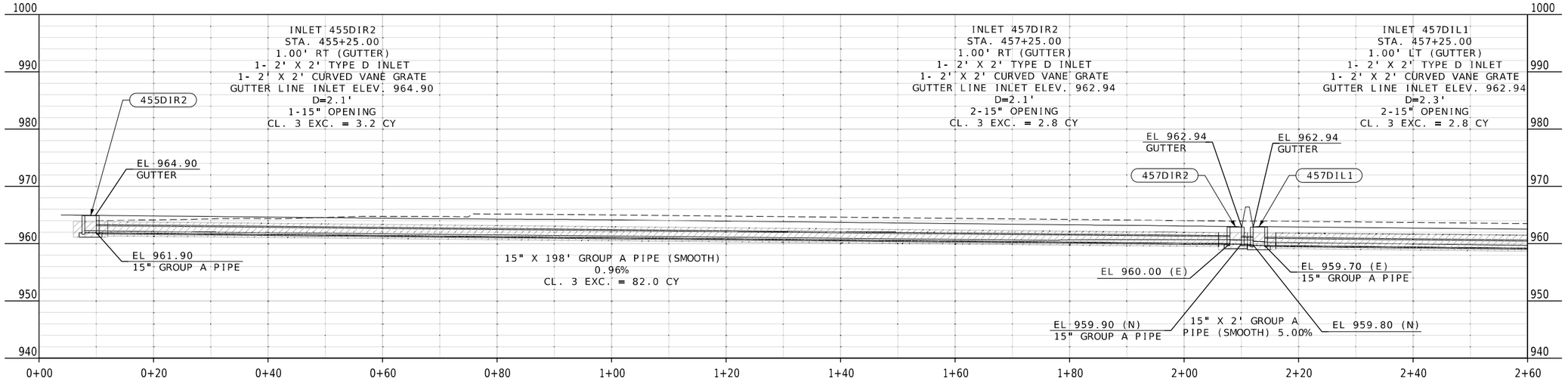
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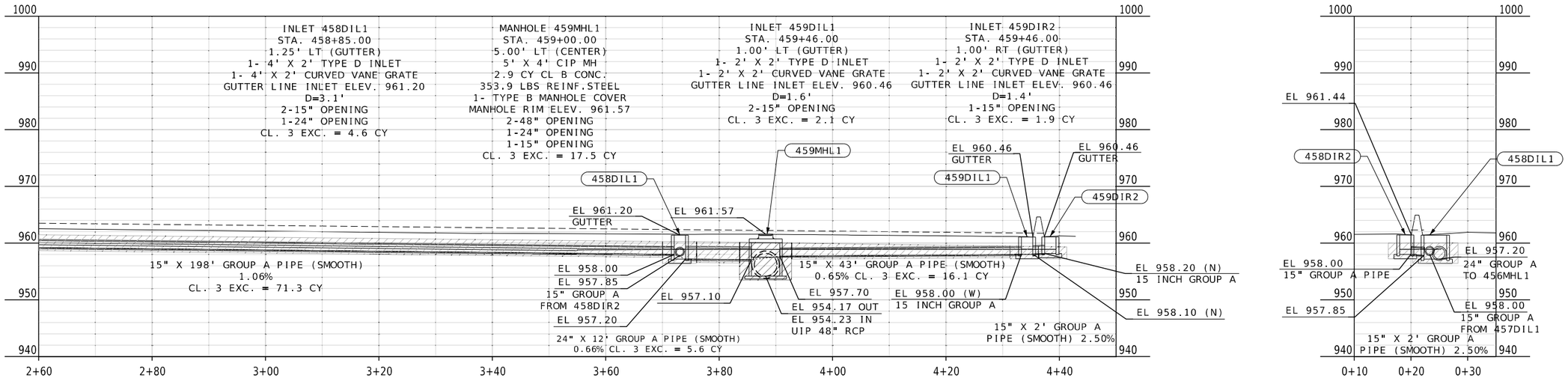
DESCRIPTION	DATE

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.





CULVERT SHEET
SHEET 4 OF 14

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	257

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

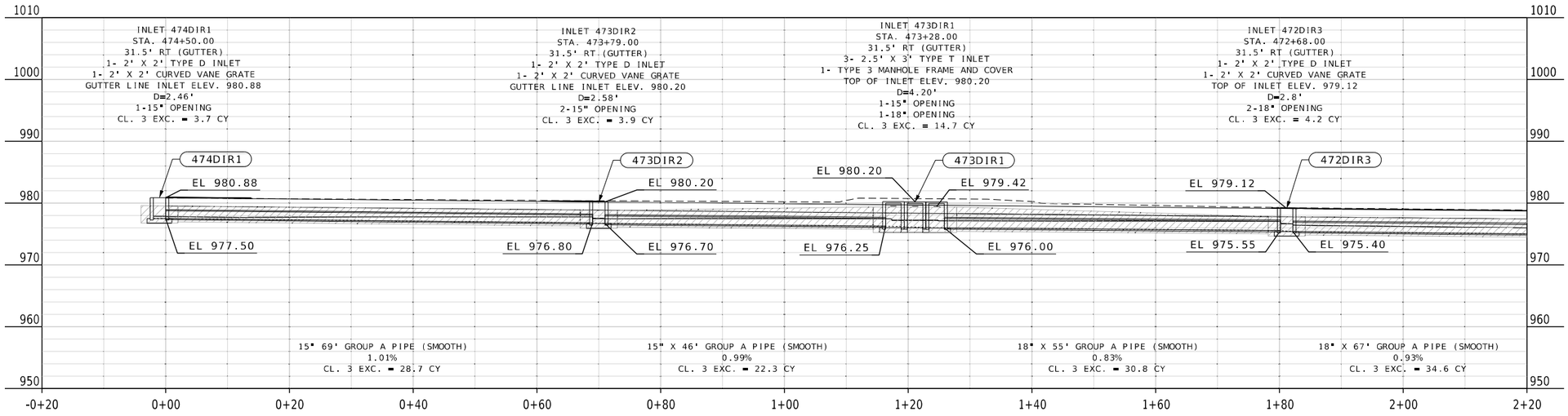
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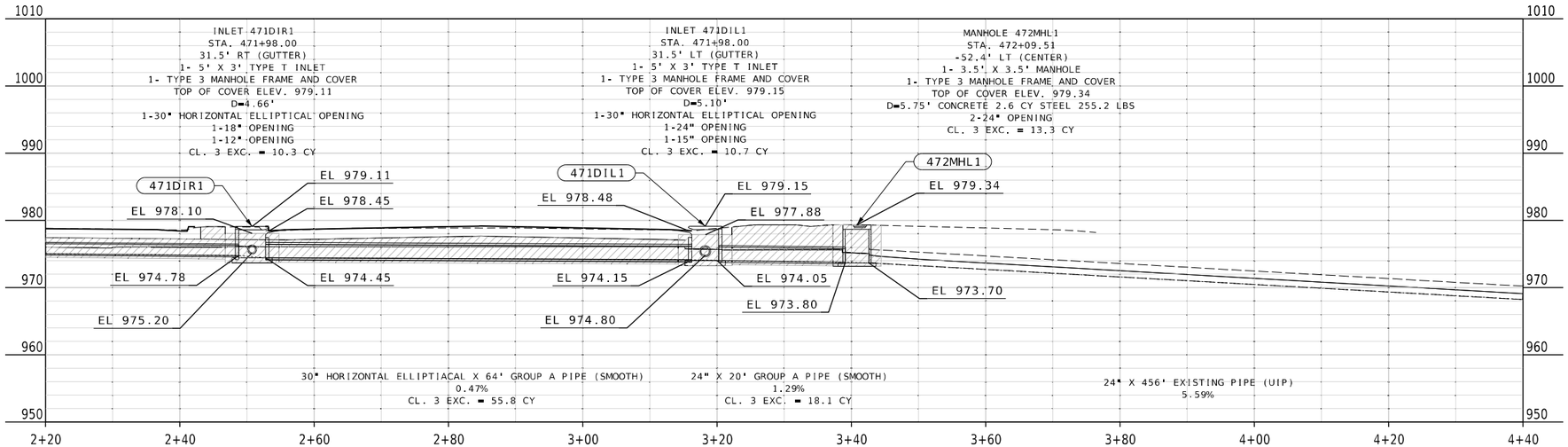
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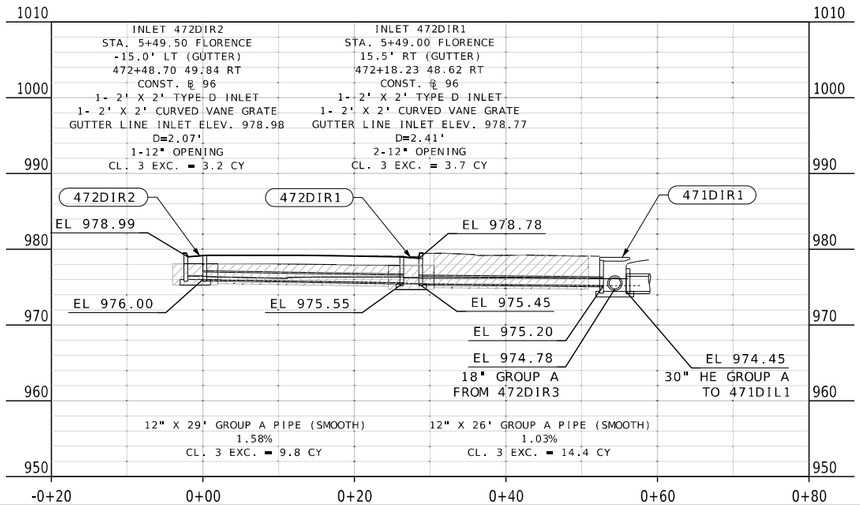
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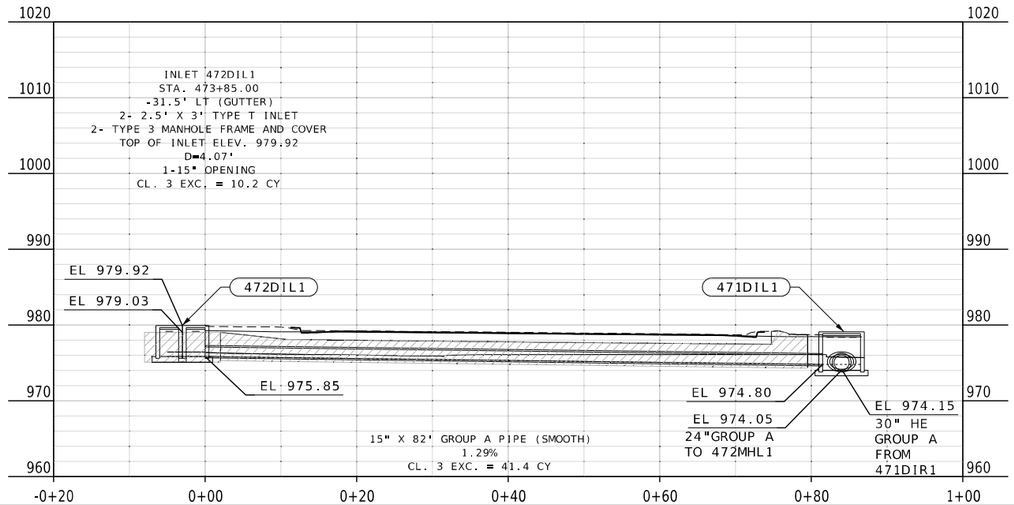
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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









CULVERT SHEET
SHEET 5 OF 14

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	258

COUNTY
JASPER

JOB NO.
JSR0060

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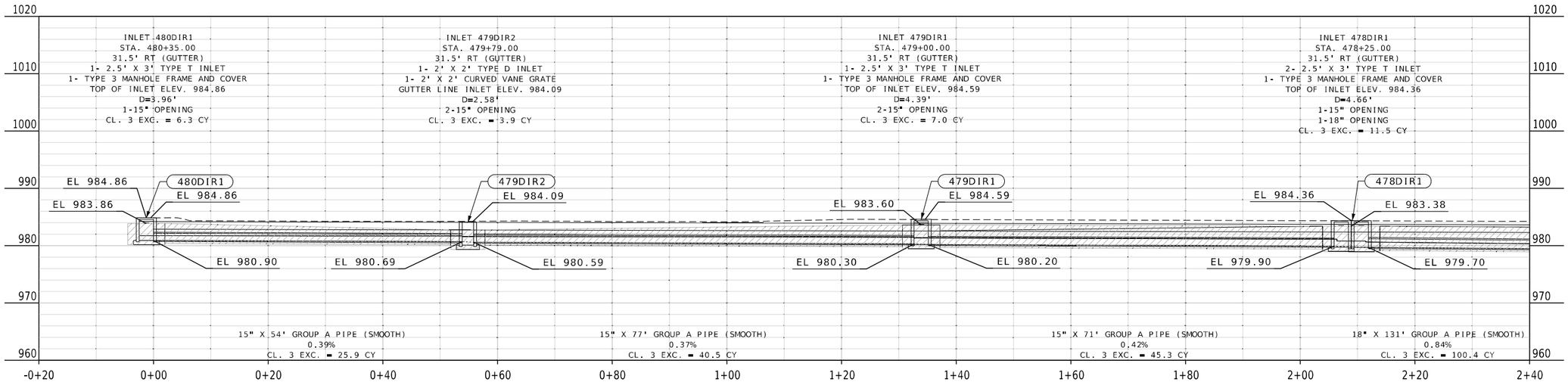
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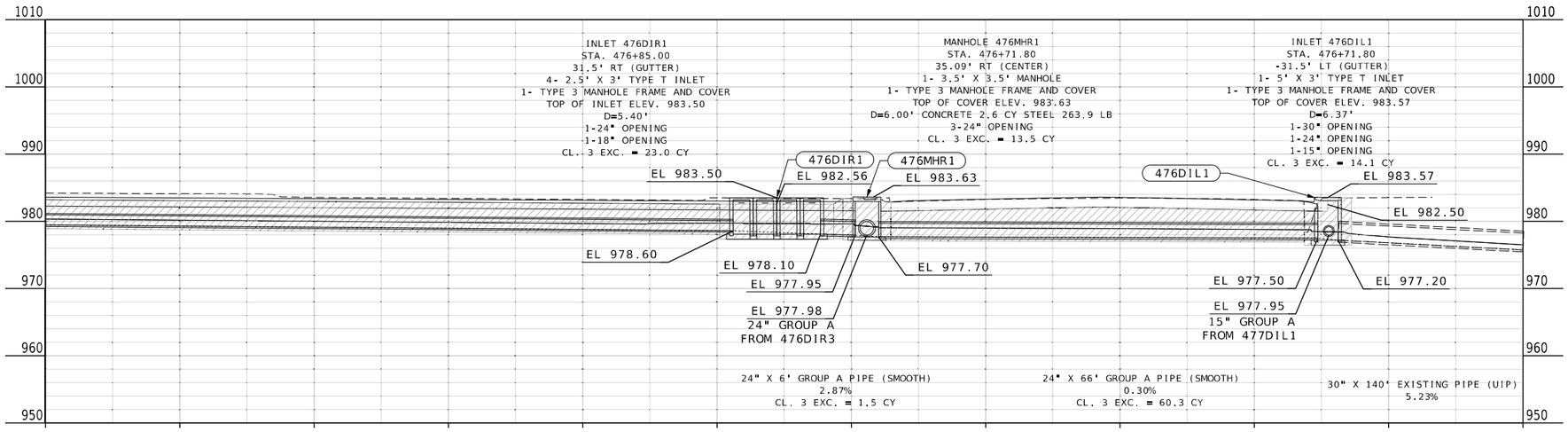
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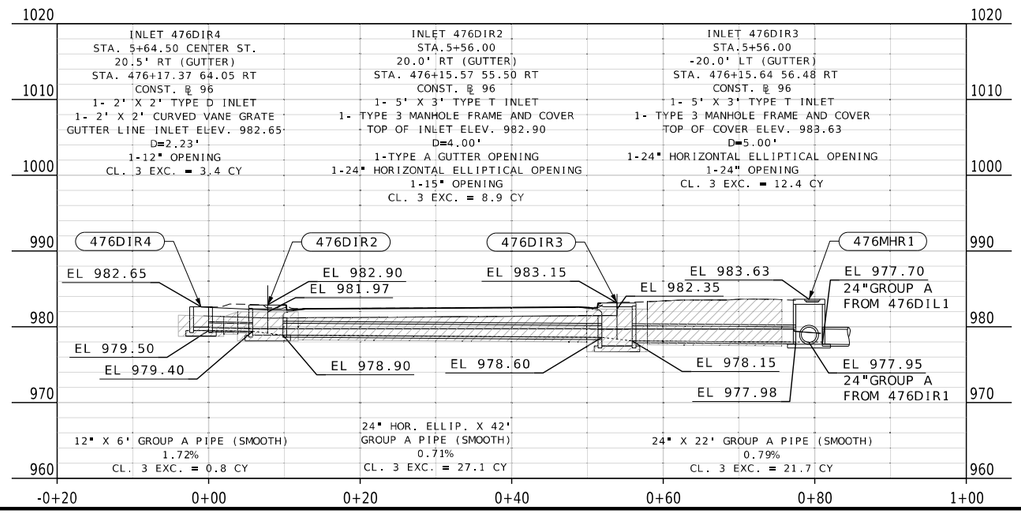
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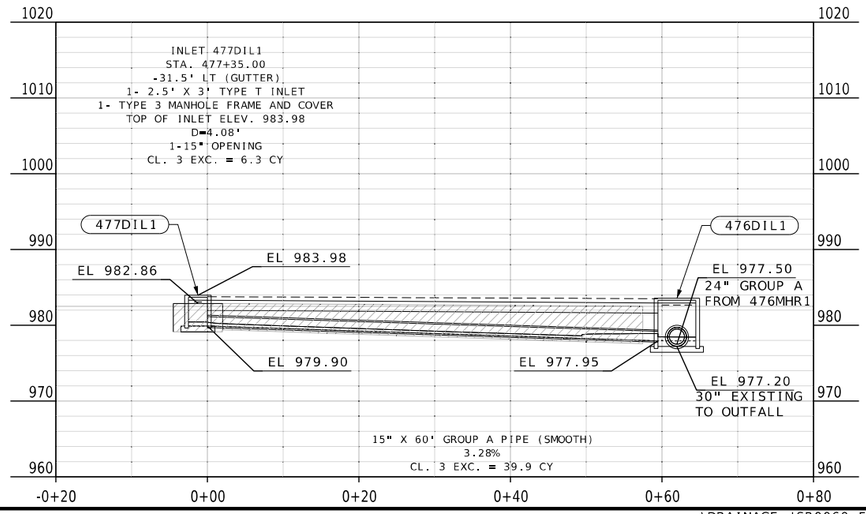
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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









CULVERT SHEET
SHEET 6 OF 14

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	259

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

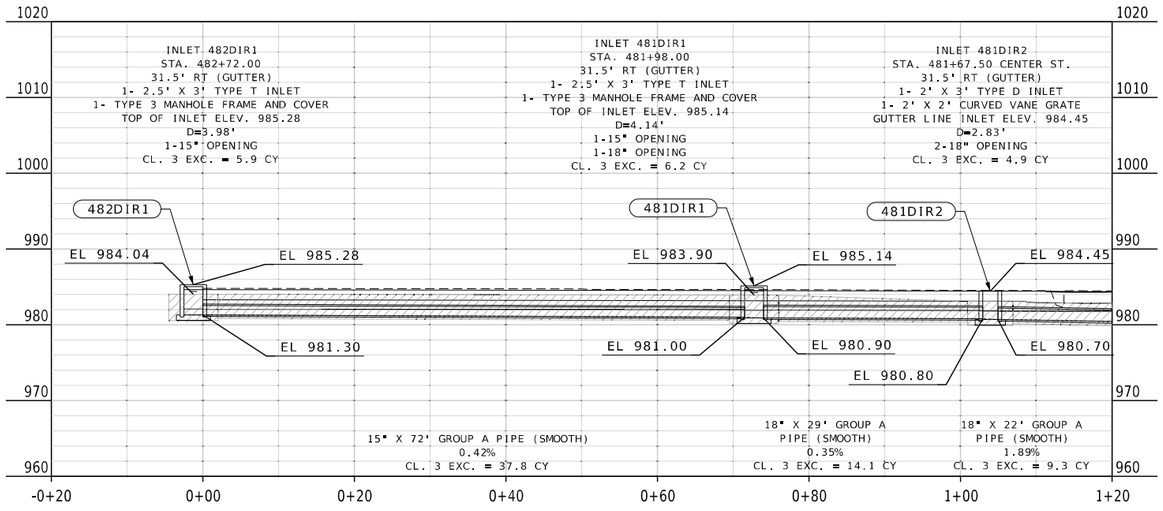
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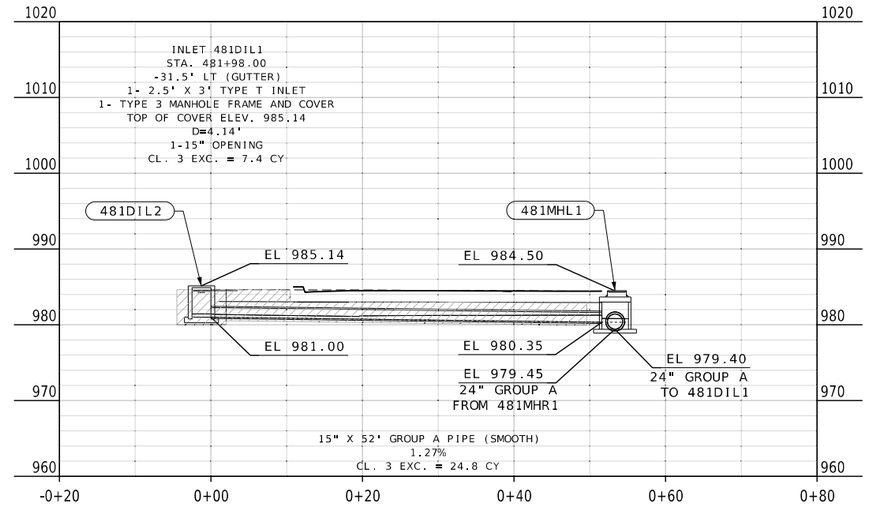
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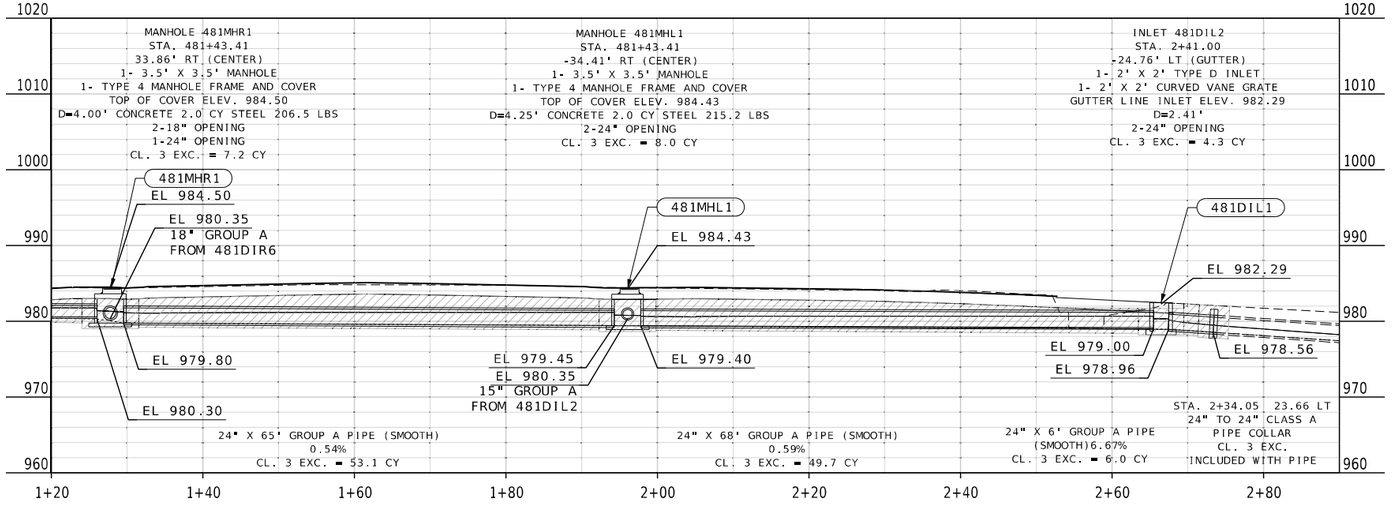
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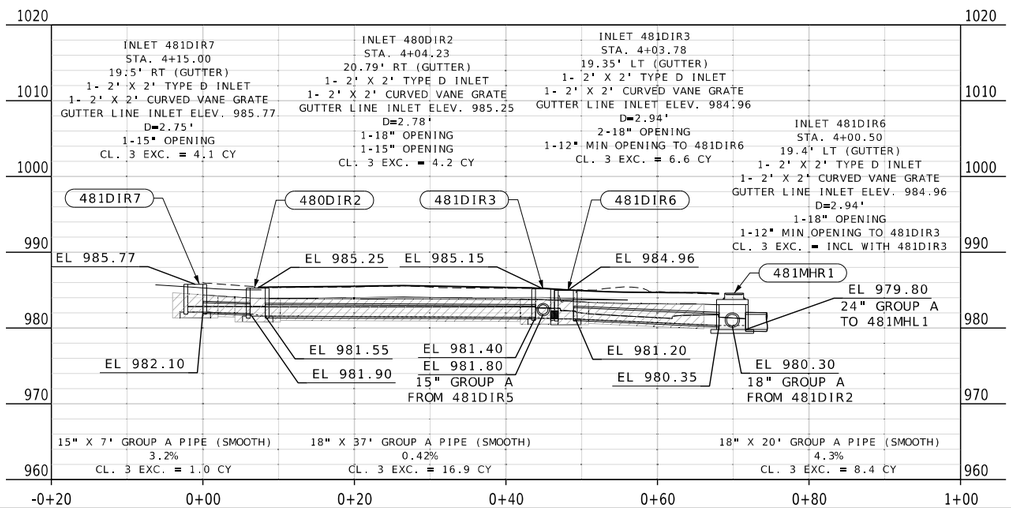
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

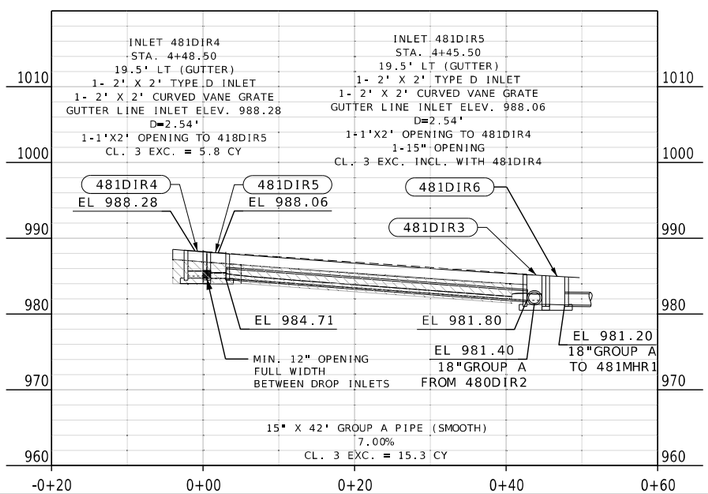
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.











CULVERT SHEET
SHEET 7 OF 14

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	260

COUNTY
JASPER

JOB NO.
JSR0060

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.

CULVERT SHEET
SHEET 8 OF 14

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

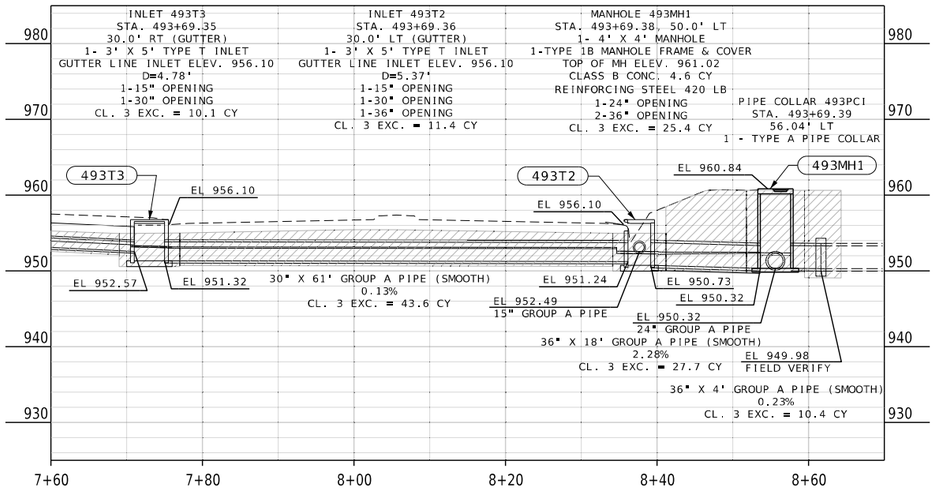
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ROUTE	96
STATE	MO
DISTRICT	SW
SHEET NO.	261
COUNTY	JASPER
JOB NO.	JSR0060
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

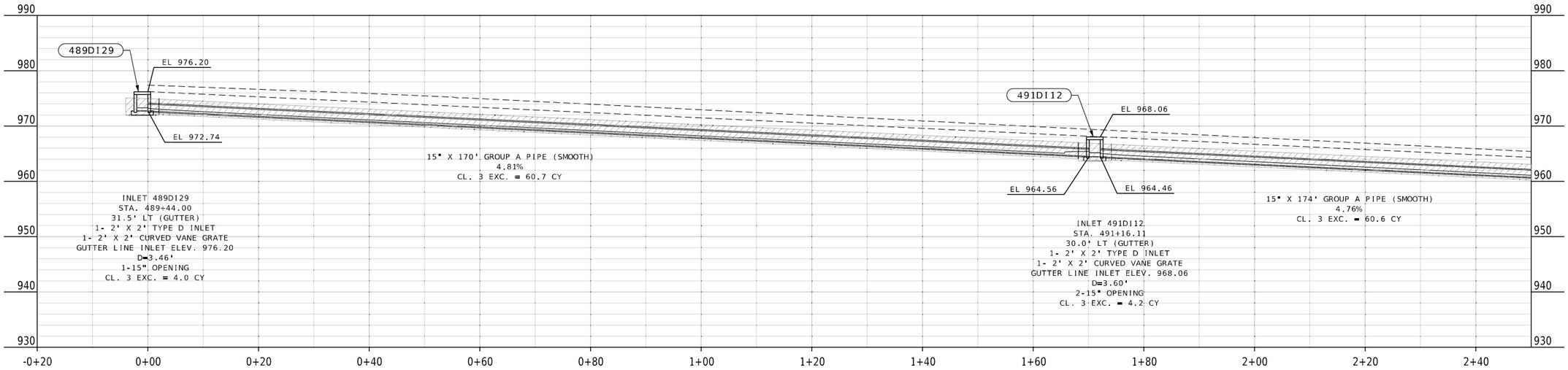
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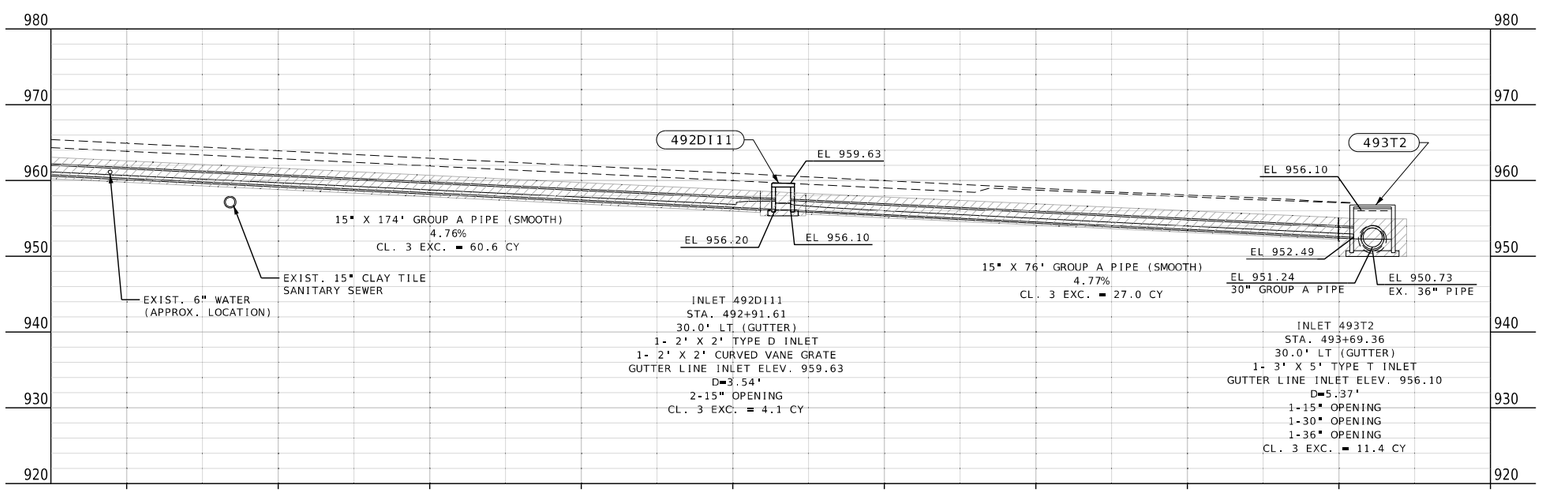
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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







CULVERT SHEET
SHEET 9 OF 14

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	262

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

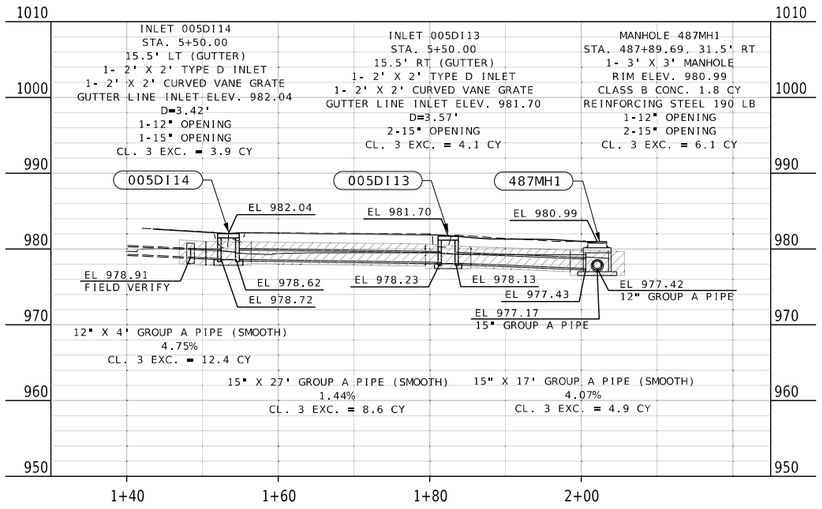
PROJECT NO.
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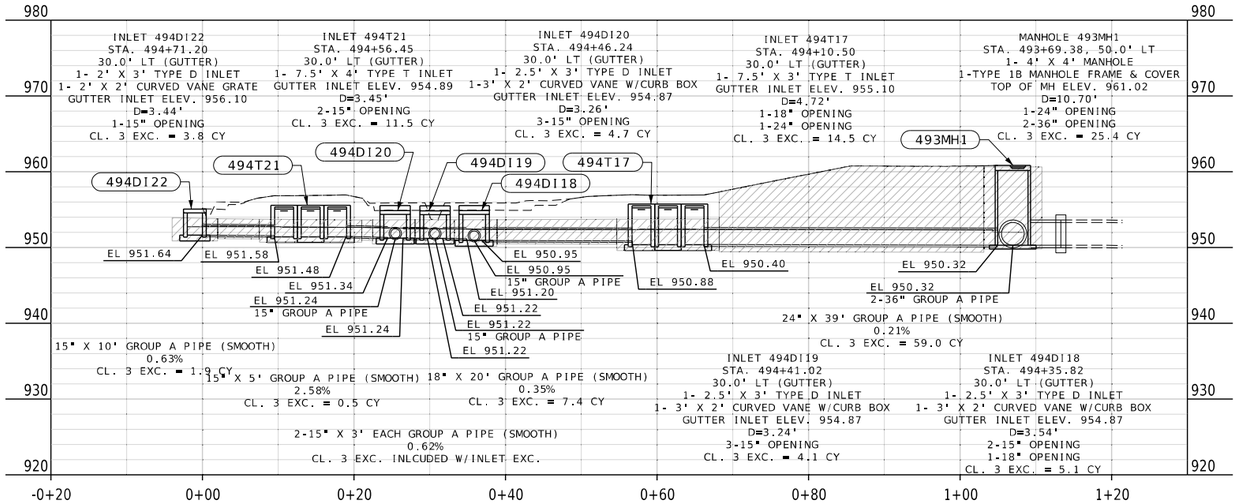
BRIDGE NO.
-

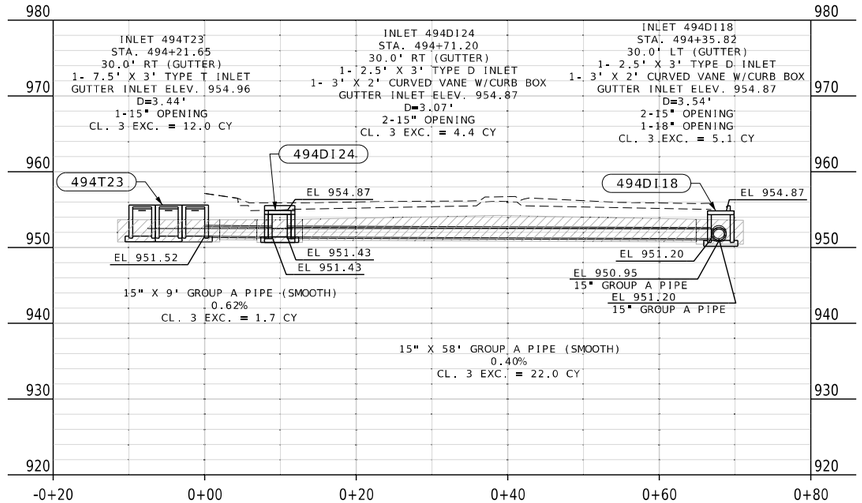
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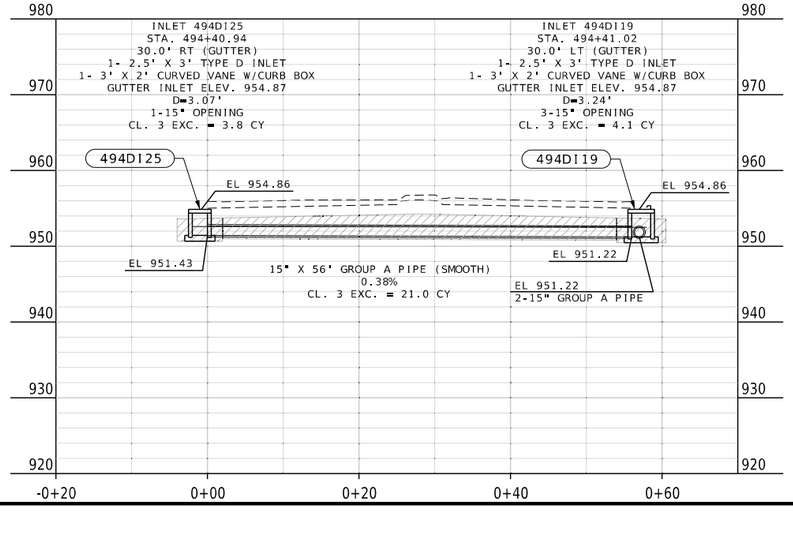
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

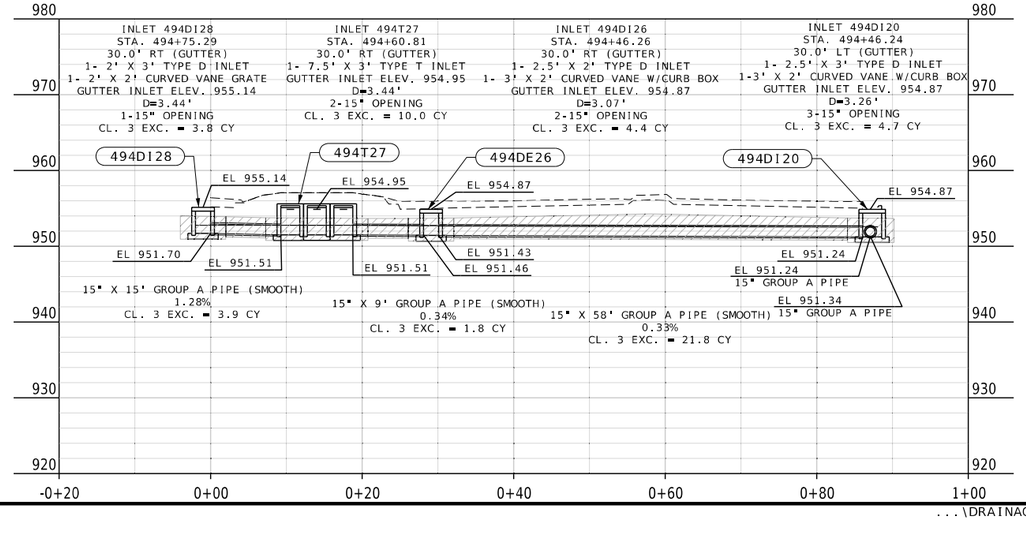
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.











CULVERT SHEET
SHEET 10 OF 14

...\DRAINAGE_JSR0060_485TO495.dgn 4:26:11 PM 8/7/2026

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

DATE PREPARED
8/7/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	263

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

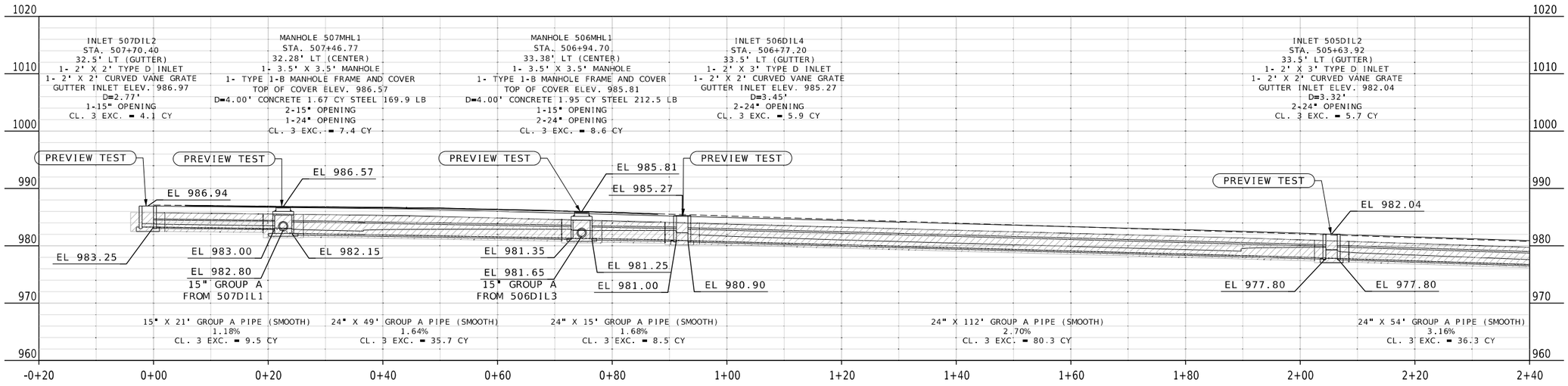
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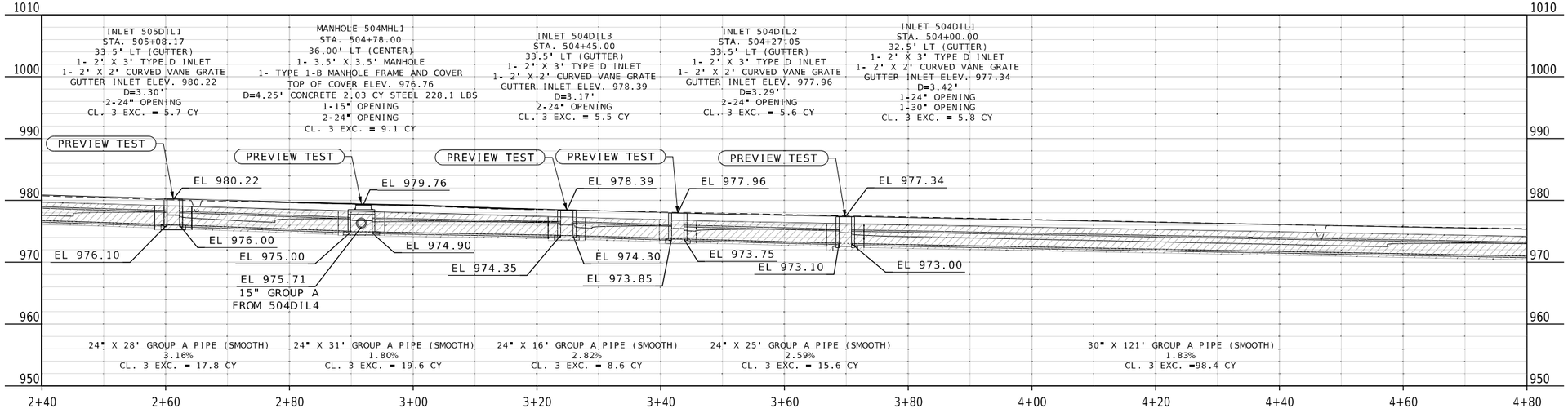
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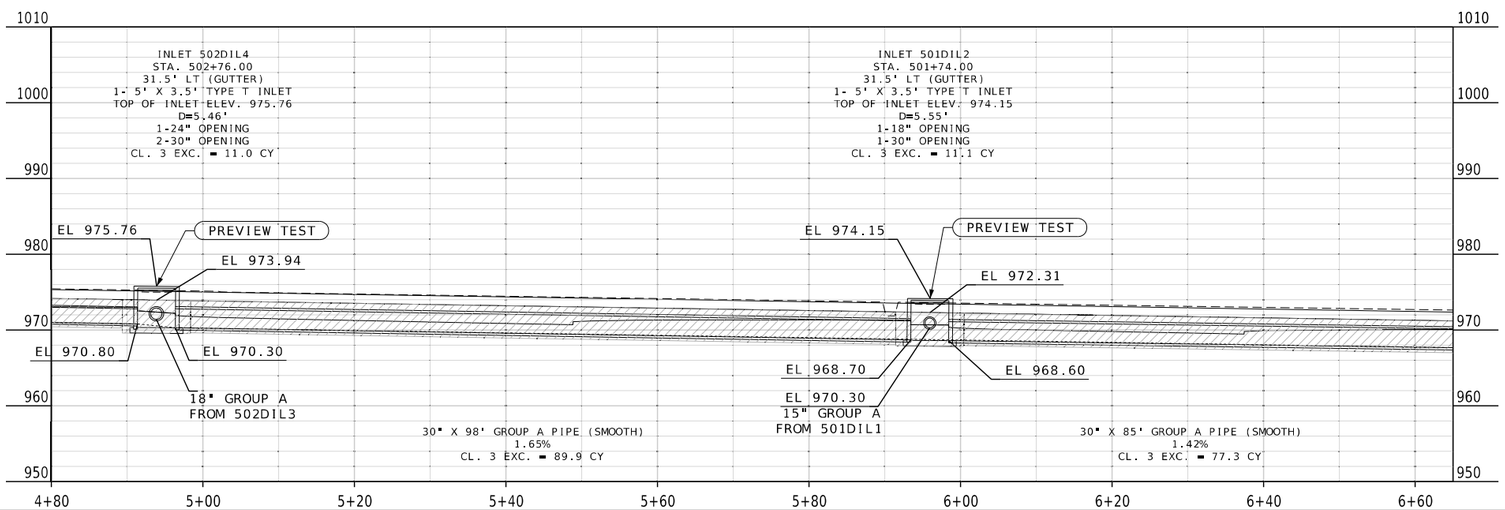
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

Engineering beyond.







CULVERT SHEET
SHEET 11 OF 14

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	264

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

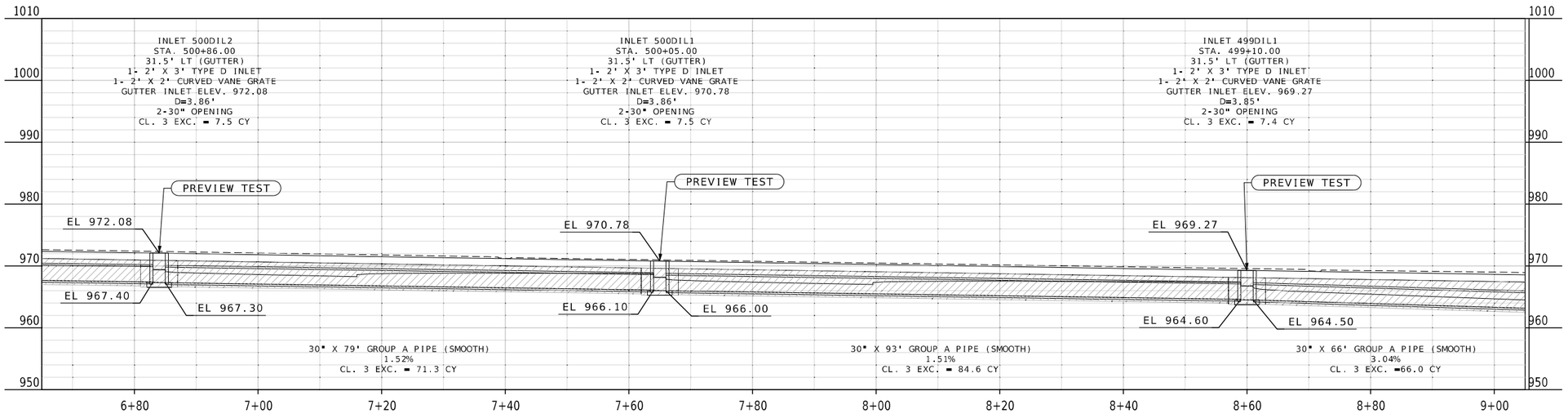
PROJECT NO.
-

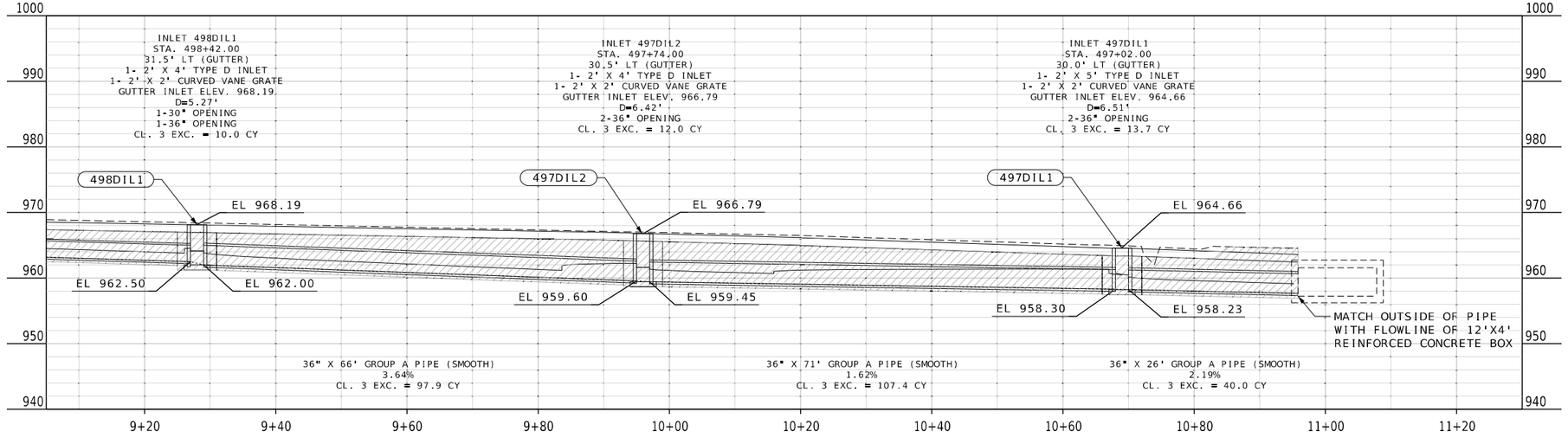
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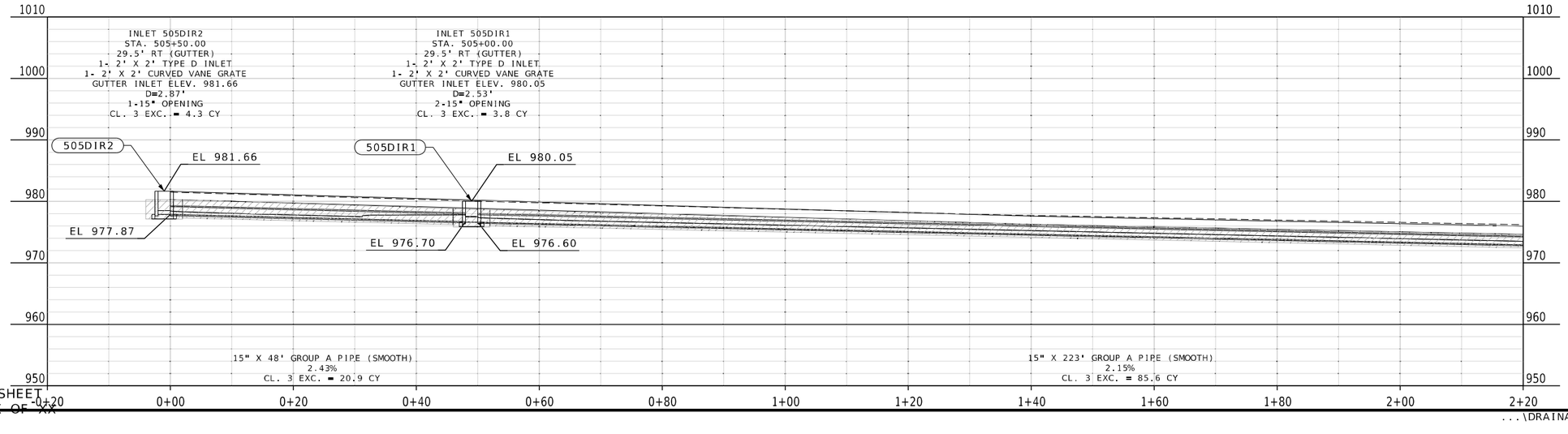
DESCRIPTION	DATE

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.







CULVERT SHEET
SHEET 12 OF 14

XXXXX SHEET
SHEET XX OF XX

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	265

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

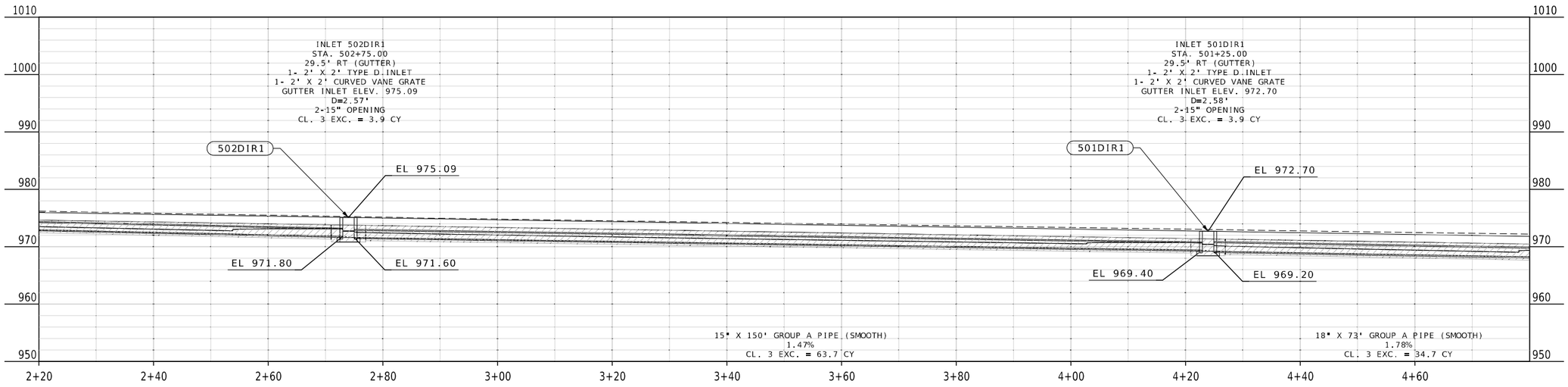
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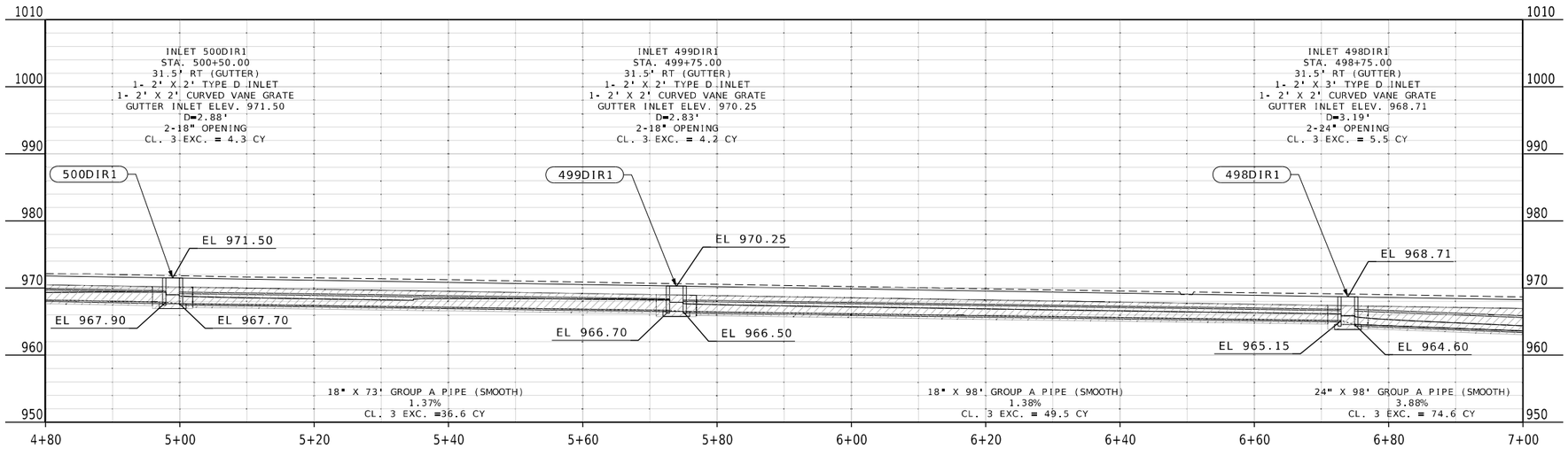
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

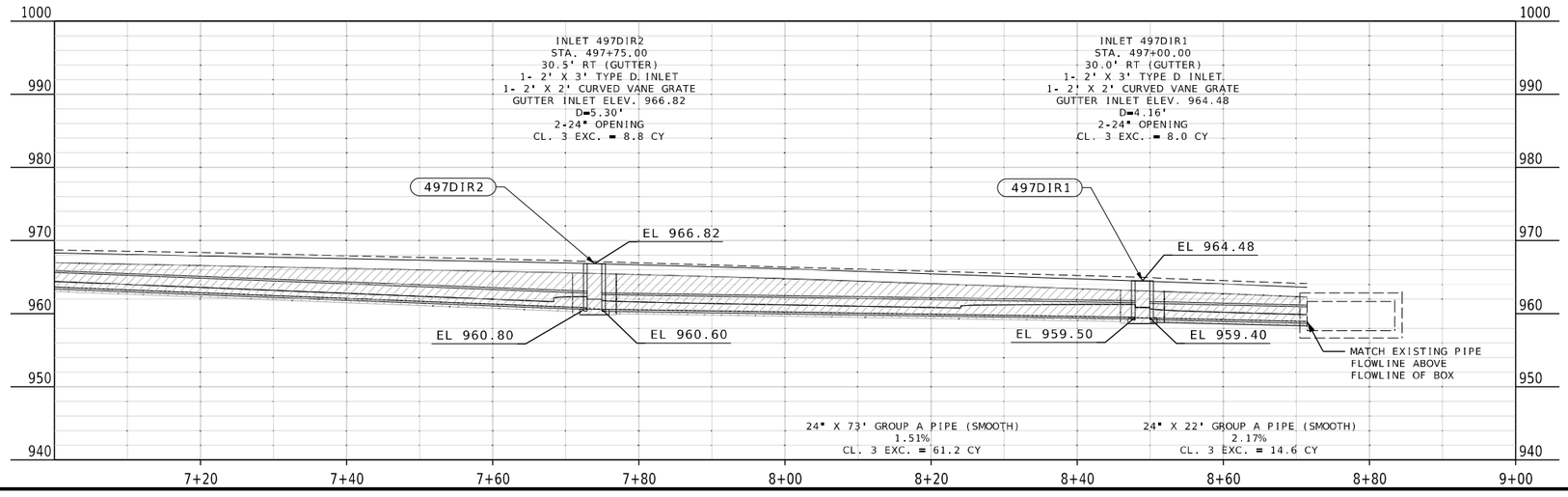
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

...\DRAINAGE_JSR0060_496TO506.dgn 3:35:27 PM 9/30/2026







CULVERT SHEET
SHEET 13 OF 14

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	266

COUNTY
JASPER

JOB NO.
JSR0060

CONTRACT ID.
-

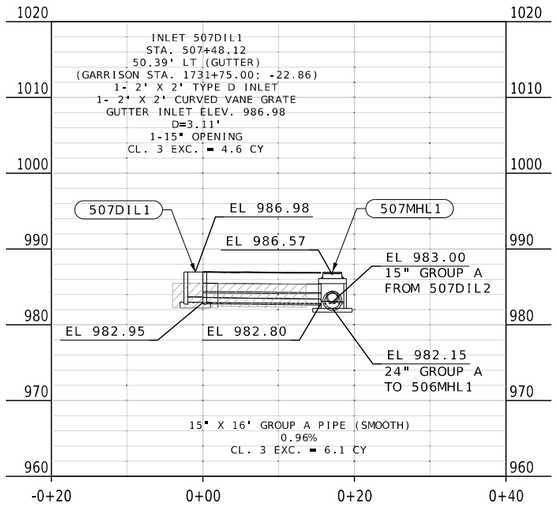
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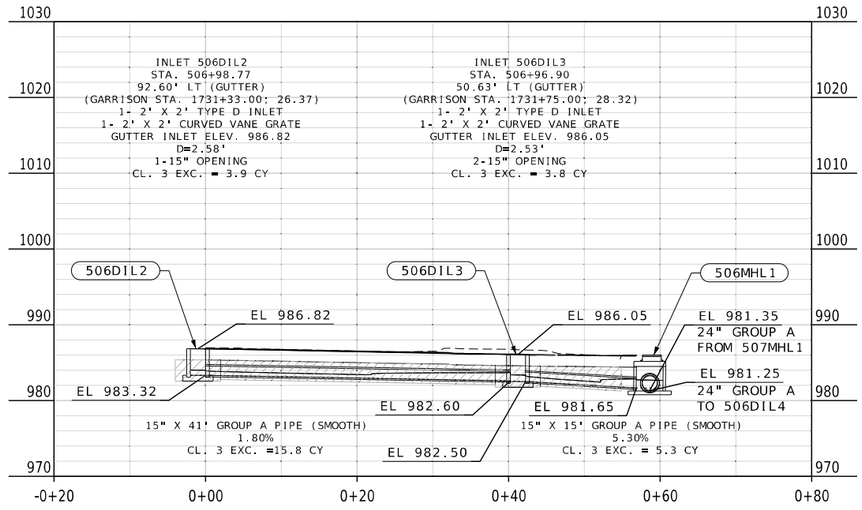
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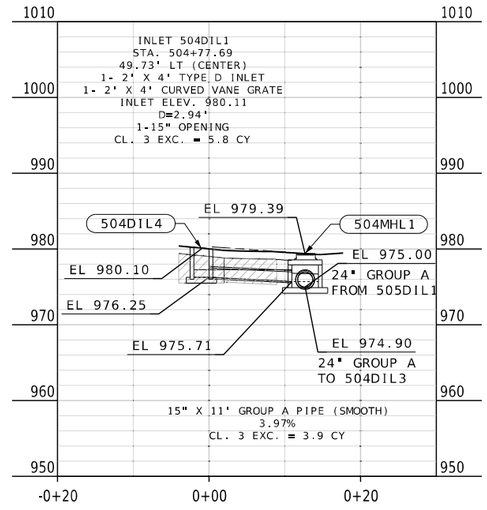
DESCRIPTION	DATE

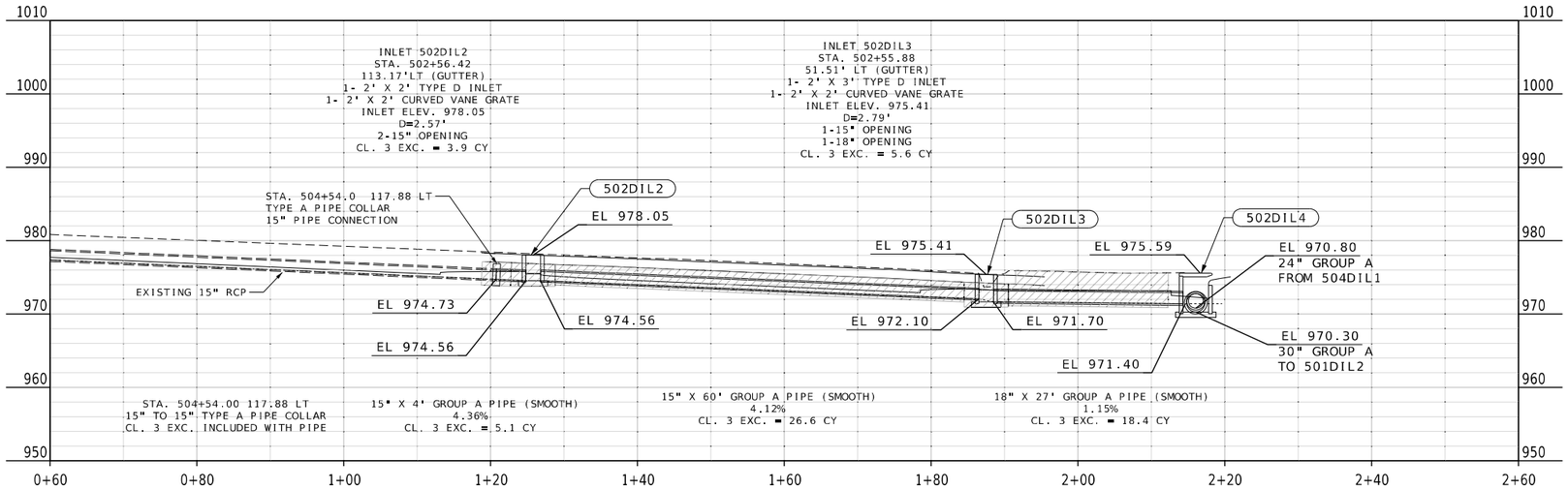
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

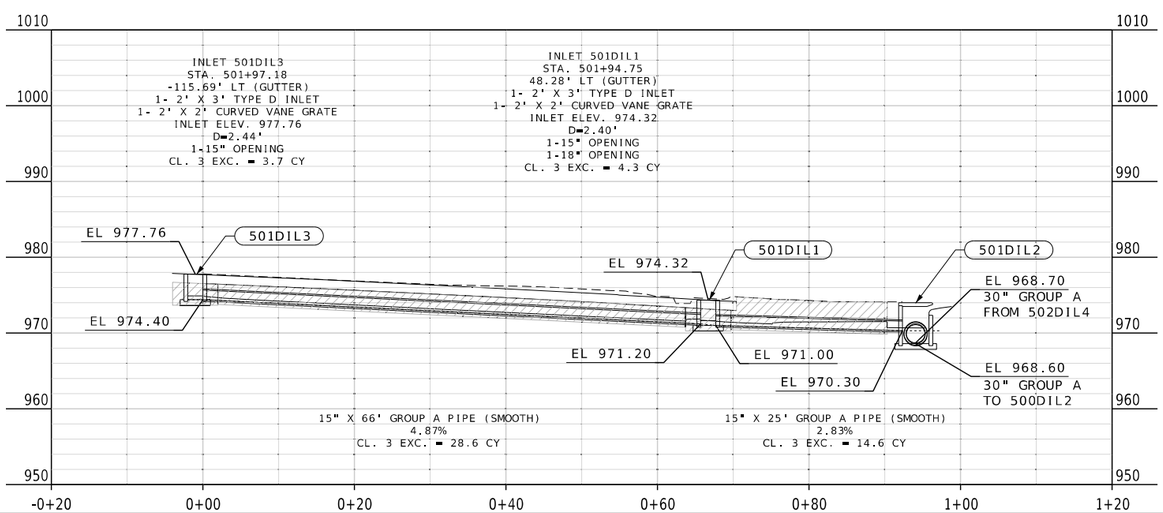
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.











CULERT SHEET
SHEET 14 OF 14

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

DATE PREPARED
9/30/2026

ROUTE	STATE
96	MO
DISTRICT	SHEET NO.
SW	267

COUNTY
JASPER

JOB NO.
JSR0060

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.

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

INTERSTATE - 49

INTERSTATE - 49

462+00 463+00 464+00 465+00 466+00 467+00 468+00 469+00 470+00

RTE. 96 / CENTRAL AVE.

PROPOSED POLE
STA: 467+08.36
OFF: 66.35 L
(N1)

160.0 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 468+68.29
OFF: 61.62 L
(N2)

159.5 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 466+28.27
OFF: 66.07 R
(S1)

160.1 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 467+88.38
OFF: 65.96 R
(S2)

159.3 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 469+47.43
OFF: 56.50 R
(S3)

STA: 470+00.00
MATCH LINE

LEGEND

- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN

30 (IN FEET) 0 15 30

STATE OF MISSOURI
JOHN JASON ECKHART
NUMBER E-30102
REGISTERED PROFESSIONAL ENGINEER
MISSOURI CERTIFICATE OF AUTHORITY E-2007037008

REVISIONS			
NO.	DESCRIPTION	BY	DATE

CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

1
LIGHTING SHEET

PROJECT NUMBER:
230028
DATE:
4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-800-2500
1221 OAK ST.
CARTHAGE, MO 64836

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

PULL BOX (ELECTRICAL) STA: 473+05.77 OFF: 115.39 L — X2

PROPOSED POLE STA: 470+27.46 OFF: 51.84 L — N3

PULL BOX (FUTURE FIBER OPTIC) STA: 470+72.79 OFF: 59.34 L — F1

PROPOSED POLE STA: 471+84.87 OFF: 43.12 L — N4

177.7 L.F. OF 2 IN. CONDUIT

157.7 L.F. OF 2 IN. CONDUIT

105.6 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 461+41.24 OFF: 31.01 L — N5

3.0 L.F. OF 2 IN. CONDUIT

PULL BOX (ELECTRICAL) STA: 461+44.24 OFF: 30.97 L — P1

59.0 L.F. OF 3 IN. CONDUIT

PULL BOX (ELECTRICAL) STA: 462+03.24 OFF: 30.16 L — P2

PROPOSED POLE STA: 463+01.23 OFF: 28.82 L — N6

98.0 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 464+41.32 OFF: 29.17 L — N7

140.1 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 466+09.10 OFF: 30.52 L — N8

167.8 L.F. OF 2 IN. CONDUIT

118.9 L.F. OF 3 IN. CONDUIT (FOR FUTURE FIBER OPTIC)

PI: 473+35.67

470+00 | 471+00 | 472+00 | 473+00 | 462+00 | 463+00 | 464+00 | 465+00 | 466+00

RTE. 96 / CENTRAL AVE.

160.1 L.F. OF 2 IN. CONDUIT

PULL BOX (FUTURE FIBER OPTIC) STA: 470+73.22 OFF: 59.57 R — F2

PROPOSED POLE STA: 471+07.29 OFF: 47.68 R — S4

133.4 L.F. OF 2 IN. CONDUIT

PULL BOX (ELECTRICAL) STA: 472+38.65 OFF: 69.86 R — X1

40.7 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 472+67.05 OFF: 40.66 R — S5

160.3 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 462+26.34 OFF: 28.18 R — S6

142.6 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 463+68.96 OFF: 28.85 R — S7

167.1 L.F. OF 2 IN. CONDUIT

PROPOSED POLE STA: 465+36.04 OFF: 29.23 R — S8

160.0 L.F. OF 2 IN. CONDUIT

STA: 470+00.00 MATCH LINE

STA: 466+50.00 MATCH LINE

LEGEND

- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN

30 (IN FEET) 0 15 30

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
JOHN JASON ECKHART
NUMBER E-30102
4/29/26
MISSOURI CERTIFICATE OF AUTHORITY E-2009024709

REVISIONS

NO.	DESCRIPTION	BY	DATE

CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

2
LIGHTING SHEET

PROJECT NUMBER: 230028
DATE: 4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-800-2500
1221 OAK ST.
CARTHAGE, MO 64836

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

PULL BOX (ELECTRICAL) STA: 472+07.78 OFF: 230.69 L
X3
200.6 L.F. OF 2 IN. CONDUIT
PULL BOX (ELECTRICAL) STA: 472+74.51 OFF: 34.69 L
3.0 L.F. OF 2 IN. CONDUIT
PROPOSED POLE STA: 472+77.51 OFF: 34.68 L
PULL BOX (ELECTRICAL) STA: 472+13.79 OFF: 36.68 L
PULL BOX (FUTURE FIBER OPTIC) STA: 467+77.87 OFF: 41.24 L
F4
PROPOSED POLE STA: 469+03.48 OFF: 33.82 L
PROPOSED POLE STA: 470+67.85 OFF: 34.29 L
PROPOSED POLE STA: 474+61.85 OFF: 34.03 L
N9
N10
N11
N12
P17
P18
164.4 L.F. OF 2 IN. CONDUIT
146.0 L.F. OF 2 IN. CONDUIT
60.8 L.F. OF 3 IN. CONDUIT
184.3 L.F. OF 2 IN. CONDUIT
PI: 467+96.00
467+00
468+00
469+00
470+00
471+00
472+00
473+00
474+00
475+00
RTE. 96 / CENTRAL AVE.
83.3 L.F. OF 3 IN. CONDUIT (FOR FUTURE FIBER OPTIC)
S9
S10
S11
S12
F3
P3
P4
PROPOSED POLE STA: 466+95.99 OFF: 32.59 R
PULL BOX (FUTURE FIBER OPTIC) STA: 467+74.74 OFF: 42.04 R
PROPOSED POLE STA: 469+99.45 OFF: 35.04 R
173.3 L.F. OF 2 IN. CONDUIT
PROPOSED POLE STA: 471+72.72 OFF: 34.02 R
30.3 L.F. OF 2 IN. CONDUIT
PULL BOX (ELECTRICAL) STA: 472+03.01 OFF: 35.04 R
65.0 L.F. OF 3 IN. CONDUIT
PULL BOX (ELECTRICAL) STA: 472+68.01 OFF: 35.09 R
110.7 L.F. OF 2 IN. CONDUIT
PROPOSED POLE STA: 473+78.71 OFF: 34.16 R
163.2 L.F. OF 2 IN. CONDUIT
BAKER BLVD.
FLORENCE ST.
STA: 466+50.00 MATCH LINE
STA: 475+00.00 MATCH LINE

LEGEND
- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN
30 (IN FEET) 0 15 30

STATE OF MISSOURI
JOHN JASON ECKHART NUMBER E-30102
REGISTERED PROFESSIONAL ENGINEER
MISSOURI CERTIFICATE OF AUTHORITY #: 2024027008

REVISIONS			
NO.	DESCRIPTION	BY	DATE

CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

3
LIGHTING SHEET

PROJECT NUMBER: 230028
DATE: 4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-800-2500
1221 OAK ST.
CARTHAGE, MO 64836

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

N

PROPOSED POLE
STA: 476+37.65
OFF: 35.72 L

PROPOSED POLE
STA: 477+45.84
OFF: 34.88 L

PROPOSED POLE
STA: 478+91.05
OFF: 33.74 L

PROPOSED POLE
STA: 482+36.12
OFF: 35.48 L

175.8 L.F. OF
2 IN. CONDUIT

108.2 L.F. OF
2 IN. CONDUIT

145.2 L.F. OF
2 IN. CONDUIT

174.8 L.F. OF
2 IN. CONDUIT

N13 N14 N15 N16

475+00 476+00 477+00 478+00 479+00 480+00 481+00 482+00 483+00

PI: 481+20.76

RTE. 96 / CENTRAL AVE.

S13 S14 S15 S16 S17

136.5 L.F. OF
2 IN. CONDUIT

153.3 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 475+41.90
OFF: 34.91 R

PROPOSED POLE
STA: 476+89.35
OFF: 34.76 R

PROPOSED POLE
STA: 478+25.88
OFF: 34.73 R

PROPOSED POLE
STA: 479+79.15
OFF: 34.61 R

PROPOSED POLE
STA: 483+30.75
OFF: 36.81 R

P7 P8

47.9 L.F. OF
3 IN. CONDUIT

44.0 L.F. OF
2 IN. CONDUIT

PULL BOX
(ELECTRICAL)
STA: 476+11.61
OFF: 64.03 R

PULL BOX
(ELECTRICAL)
STA: 476+59.27
OFF: 59.18 R

CENTER ST.

FRANCIS ST.

STA: 475+00.00
MATCH LINE

235.4 L.F. OF
2 IN. CONDUIT

142.8 L.F. OF
2 IN. CONDUIT

STA: 483+50.00
MATCH LINE

PULL BOX
(ELECTRICAL)
STA: 476+06.96
OFF: 206.82 R

P5

34.0 L.F. OF
3 IN. CONDUIT

34.7 L.F. OF
3 IN. CONDUIT

PULL BOX
(ELECTRICAL)
STA: 475+94.33
OFF: 238.77 R

P6

LEGEND

- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN

30 (IN FEET) 0 15 30

STATE OF MISSOURI
JOHN JASON ECKHART
NUMBER E-30102
REGISTERED PROFESSIONAL ENGINEER
MISSOURI CERTIFICATE OF AUTHORITY #: 2007037008

REVISIONS

NO.	DESCRIPTION	BY	DATE

CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

4
LIGHTING SHEET

PROJECT NUMBER:
230028
DATE:
4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-800-2500
1221 OAK ST.
CARTHAGE, MO 64836

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

N

X5
PULL BOX (ELECTRICAL)
STA: 488+52.20
OFF: 243.09 L

258.7 L.F. OF 2 IN. CONDUIT
253.4 L.F. OF 2 IN. CONDUIT

PULL BOX (ELECTRICAL)
STA: 487+45.95
OFF: 35.67 L

PULL BOX (ELECTRICAL)
STA: 487+91.30
OFF: 46.52 L

PROPOSED POLE
STA: 484+10.89
OFF: 34.59 L
N17

PROPOSED POLE
STA: 485+77.82
OFF: 34.79 L
N18

3.0 L.F. OF 2 IN. CONDUIT
PROPOSED POLE
STA: 487+43.04
OFF: 34.97 L
N19

P9
P10

PROPOSED POLE
STA: 489+07.90
OFF: 34.38 L
N20

PROPOSED POLE
STA: 490+62.90
OFF: 34.46 L
N21

166.9 L.F. OF 2 IN. CONDUIT
165.2 L.F. OF 2 IN. CONDUIT
45.8 L.F. OF 3 IN. CONDUIT
PI: 487+73.00
120.8 L.F. OF 2 IN. CONDUIT
155.0 L.F. OF 2 IN. CONDUIT
160.0 L.F. OF 2 IN. CONDUIT

484+00 485+00 486+00 487+00 488+00 489+00 490+00 491+00 492+00

RTE. 96 / CENTRAL AVE.

160.0 L.F. OF 2 IN. CONDUIT
S18
156.6 L.F. OF 2 IN. CONDUIT
S19
95.8 L.F. OF 2 IN. CCNDUIT
P11
48.7 L.F. OF 3 IN. CONDUIT
P12
S20
160.0 L.F. OF 2 IN. CONDUIT
S21
160.0 L.F. OF 2 IN. CONDUIT
S22

PROPOSED POLE
STA: 484+90.75
OFF: 36.56 R

PROPOSED POLE
STA: 486+47.35
OFF: 38.76 R

PULL BOX (ELECTRICAL)
STA: 487+43.11
OFF: 38.36 R

PROPOSED POLE
STA: 488+23.02
OFF: 37.75 R

34.7 L.F. OF 2 IN. CONDUIT

PULL BOX (ELECTRICAL)
STA: 487+91.95
OFF: 48.27 R

PROPOSED POLE
STA: 489+83.02
OFF: 38.94 R

PROPOSED POLE
STA: 491+43.02
OFF: 38.21 R

BLANCHE ST.

STA: 483+50.00
MATCH LINE

STA: 492+00.00
MATCH LINE

229.4 L.F. OF 2 IN. CONDUIT
227.0 L.F. OF 2 IN. CONDUIT

PULL BOX (ELECTRICAL)
STA: 488+42.41
OFF: 224.75 R

P13
22.9 L.F. OF 3 IN. CONDUIT
22.2 L.F. OF 3 IN. CONDUIT
P14

PULL BOX (ELECTRICAL)
STA: 488+57.21
OFF: 241.76 R

LEGEND
- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN
30 (IN FEET) 0 15 30

STATE OF MISSOURI
JOHN JASON ECKHART NUMBER E-30102
REGISTERED PROFESSIONAL ENGINEER
MISSOURI CERTIFICATE OF AUTHORITY #: 2020027008

REVISIONS			
NO.	DESCRIPTION	BY	DATE

CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

5
LIGHTING SHEET

PROJECT NUMBER: 230028
DATE: 4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-800-2500
1221 OAK ST.
CARTHAGE, MO 64836

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

PROPOSED POLE
STA: 492+22.90
OFF: 34.38 L
N22

160.0 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 493+82.90
OFF: 33.10 L
N23

PROPOSED POLE
STA: 495+42.20
OFF: 38.21 L
N24

160.0 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 497+02.21
OFF: 37.26 L
N25

PROPOSED POLE
STA: 498+62.26
OFF: 35.84 L
N26

160.1 L.F. OF
2 IN. CONDUIT

159.9 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 500+22.20
OFF: 35.91 L
N27

492+00 493+00 494+00 495+00 496+00 497+00 498+00 499+00 500+00

RTE. 96 / CENTRAL AVE.

160.0 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 493+03.02
OFF: 36.79 R
S23

PROPOSED POLE
STA: 496+22.18
OFF: 37.68 R
S24

153.1 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 497+75.29
OFF: 36.08 R
S25

167.2 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 499+42.50
OFF: 36.27 R
S26

176.0 L.F. OF
2 IN. CONDUIT

STA: 492+00.00
MATCH LINE

STA: 500+50.00
MATCH LINE

LEGEND

- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN
30 (IN FEET) 0 15 30

STATE OF MISSOURI
JOHN JASON ECKHART NUMBER E-30102
REGISTERED PROFESSIONAL ENGINEER
MISSOURI CERTIFICATE OF AUTHORITY E-2009024709

REVISIONS

NO.	DESCRIPTION	BY	DATE

CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

6
LIGHTING SHEET

PROJECT NUMBER:
230028
DATE:
4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-920-2500
1221 OAK ST.
CARTHAGE, MO 64836

NOTE:
LOCATIONS MAY BE FIELD ADJUSTED WITH ENGINEER'S APPROVAL.

PULL BOX
(FUTURE FIBER OPTIC)
STA: 501+84.42
OFF: 46.48 L

PROPOSED POLE
STA: 501+80.34
OFF: 36.48 L

158.1 L.F. OF
2 IN. CONDUIT

97.9 L.F. OF
3 IN. CONDUIT
(FOR FUTURE FIBER OPTIC)

PROPOSED POLE
STA: 503+48.66
OFF: 35.50 L

169.8 L.F. OF
2 IN. CONDUIT

PULL BOX
(FUTURE FIBER OPTIC)
STA: 504+92.86
OFF: 45.40 L

PROPOSED POLE
STA: 505+10.15
OFF: 35.32 L

84.0 L.F. OF
3 IN. CONDUIT
(FOR FUTURE FIBER OPTIC)

PI: 502+23.50

PI: 507+25.30

501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00

RTE. 96 / CENTRAL AVE.

PROPOSED POLE
STA: 501+18.46
OFF: 35.86 R

77.5 L.F. OF
2 IN. CONDUIT

73.3 L.F. OF
3 IN. CONDUIT

160.3 L.F. OF
2 IN. CONDUIT

186.5 L.F. OF
2 IN. CONDUIT

PROPOSED POLE
STA: 504+30.21
OFF: 35.44 R

PULL BOX
(FUTURE FIBER OPTIC)
STA: 504+99.73
OFF: 38.34 R

PROPOSED POLE
STA: 506+16.72
OFF: 37.52 R

PULL BOX
(FUTURE FIBER OPTIC)
STA: 501+89.35
OFF: 51.28 R

PULL BOX
(ELECTRICAL)
STA: 501+94.81
OFF: 49.15 R

PROPOSED POLE
STA: 502+69.94
OFF: 35.84 R

3.0 L.F. OF
2 IN. CONDUIT

PULL BOX
(ELECTRICAL)
STA: 502+66.99
OFF: 36.36 R

McGREGOR ST.

RTE. 66 / GARRISON AVE.

STA: 500+50.00
MATCH LINE

LEGEND

- POLE WITH ARM AND LED
- PULLBOX CONCRETE STANDARD
- 2" CONDUIT
- 3" CONDUIT

PLAN
30 (IN FEET) 0 15 30

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
JOHN JASON ECKHART
NUMBER E-30102
MISSOURI CERTIFICATE OF AUTHORITY E-2007027008

REVISIONS

NO.	DESCRIPTION	BY	DATE

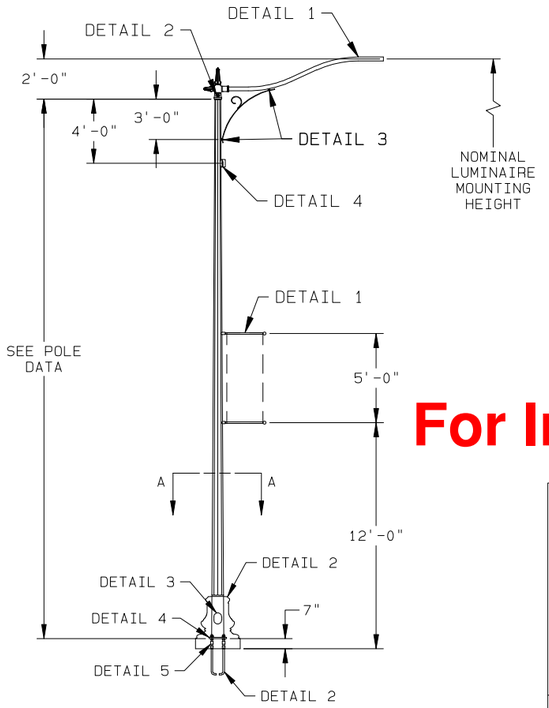
CENTRAL AVE. UTILITIES

CITY OF CARTHAGE
CENTRAL AVE. - INTERSTATE 49 TO GARRISON AVE.
CARTHAGE, MISSOURI

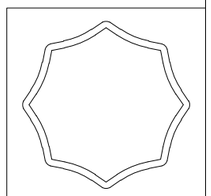
7
LIGHTING SHEET

PROJECT NUMBER:
230028
DATE:
4/29/2026

ZANEVAN ENGINEERING
PHONE: 417-800-2500
1221 OAK ST.
CARTHAGE, MO 64836

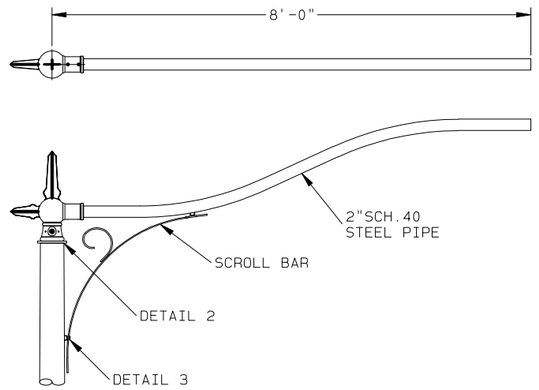


For Information Only

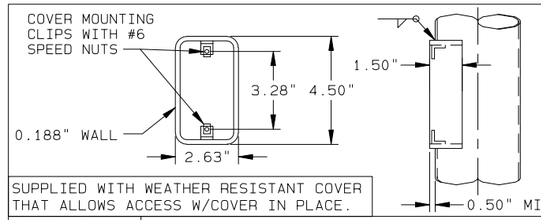


8-SHARP FLUTE

SECTION A-A

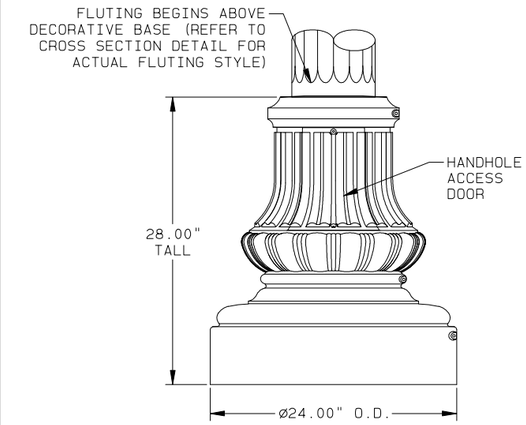


DETAIL 1 | PARAMOUNT LUMINAIRE ARM

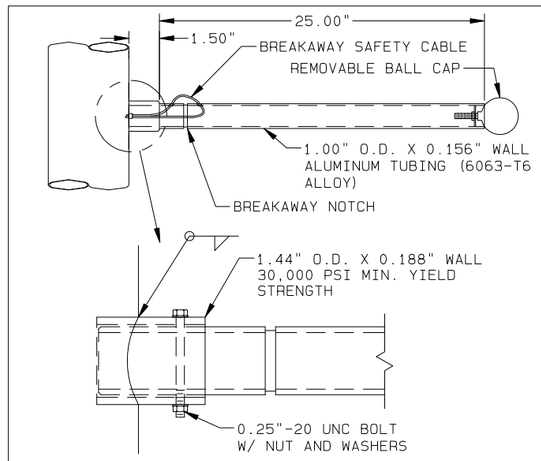


SUPPLIED WITH WEATHER RESISTANT COVER THAT ALLOWS ACCESS W/COVER IN PLACE.

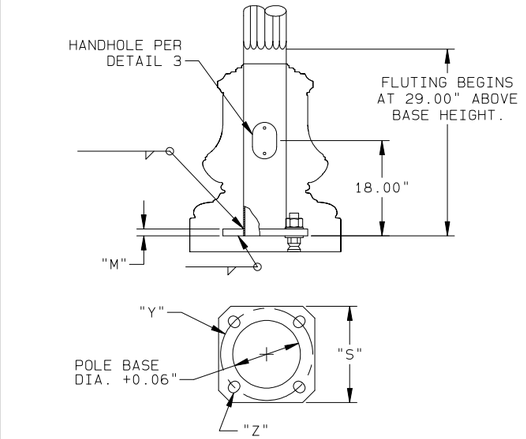
DETAIL 4 | FESTOON BOX



DETAIL 2 | WASHINGTON BASE MODEL# WA24AC



DETAIL 5 | BREAKAWAY BANNER ARMS

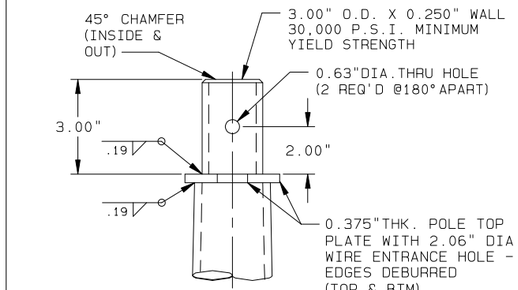


DETAIL 4 | POLE BASE

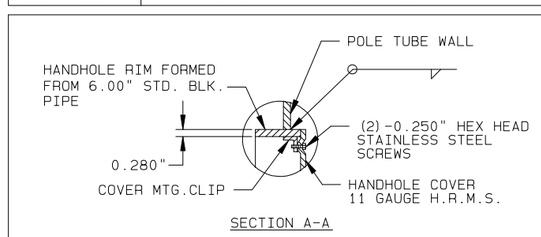
MATERIAL DATA		
COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)
POLE SHAFT	A595 GR. A	55
POLE BASE	A36	36
ANCHOR BOLT	F1554 GR.55	55
HARDWARE COATING	HOT DIP ZINC	

FINSIH DATA

SYSTEM: FINISH PAINTED (FP)
BASE COAT: NONE
PRIME COAT: NONE
FINISH COAT: TGIC OR URETHANE POLYESTER POWDER
COLOR: DARK BRONZE
SPEC: F-264B

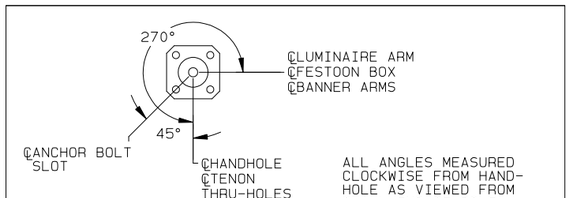


DETAIL 2 | POLE TOP TENON

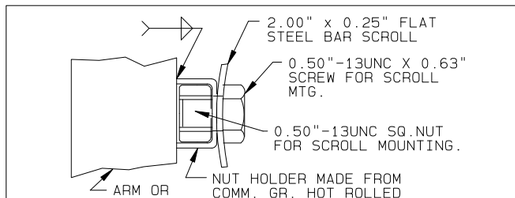


DETAIL 3 | SEMI-FLUSH HANDHOLE

DETAIL 5 | TRANSPO NO.4100 BREAKAWAY COUPLING



RADIAL INDEX

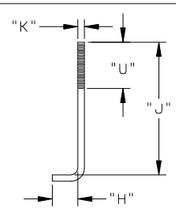


DETAIL 3 | LUM. ARM SCROLL ATTACHMENT

POLE DATA

QTY.	LUMINIARE ARM SPAN (FT)	NOMINAL LUMINIARE MOUNTING HEIGHT (FT)	POLE TUBE				POLE BASE				ANCHOR BOLT			
			BASE DIA. (IN)	TOP DIA. (IN)	LENGTH (FT)	GAUGE OR THK. (IN)	SQUARE "S" (IN)	BOLT CIRCLE "Y" (IN)	THK. "M" (IN)	HOLE/SLOT "Z" (IN)	DIA. (IN)	LENGTH (IN)	HOOK (IN)	THREAD LENGTH (IN)
65	8.00	32.58	8.00	3.80	30.00	11	11.50	11.00	0.875	1.13 X 1.69	1.00	36.00	4.00	6.00

(4)-ANCHOR BOLTS WITH THREADED END GALVANIZED AT LEAST 12.00".



DETAIL 6 | ANCHOR BOLT

REV	DRAWN BY-DATE	CHECK BY-DATE	DESCRIPTION
—	GGL 12/11/25	GGL 12/11/25	— — — — — — — — — — — — — — — —

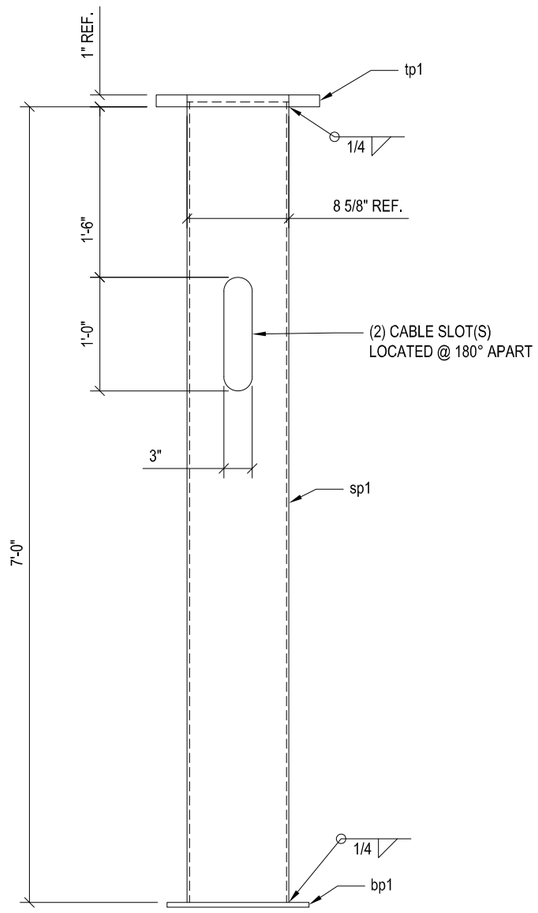
SOLD TO:
SHIP TO:
P.O. #:
AGENT: POWER EQUIPMENT SALES

JOB CARTHAGE, MISSOURI
Kevin Emery
TITLE LIGHTING STRUCTURES

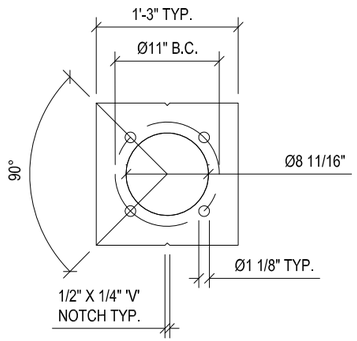
VALMONT INDUSTRIES, INC. RESERVES THE RIGHT TO INSTALL VARIOUS, ENGINEER APPROVED, MATERIAL HANGING ACCOMMODATIONS TO FACILITATE THE MANUFACTURING PROCESS.

valmont
Valley,NE 68064
(402) 359-2201

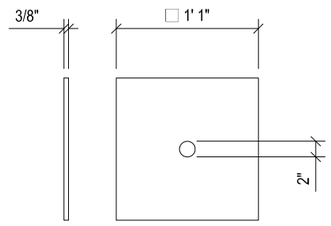
ORDER NUMBER: 667687-P1
PAGE NUMBER: 1 OF 1
DRAWING NUMBER M0667687P1
REV



65~PILE FOUNDATION~H1



65~TOP PLATE~tp1



65~BOTTOM PLATE~bp1

BILL OF MATERIAL

FIELD BOLTS

For Information Only

SHOP NOTES:

1. TOP PLATE SHALL BE PERMANENTLY STAMPED OR ETCHED WITH THE MANUFACTURER'S INITIALS & DATE IN 1/2" LETTERS.
2. NOTCHES IN TOP PLATE SHALL INDICATE CABLE SLOT LOCATIONS AFTER INSTALL.

GENERAL NOTES:
1. HOLES TO BE MADE AS NOTED.
2. WELDING SHALL BE DONE IN ACCORDANCE WITH D1.1/D1.1M AWS WELDING CODE.
3. ALL WELDED JOINTS SHALL BE PREPPED IN ACCORDANCE WITH THE WPS.
4. MATERIALS TO BE COATED SHALL BE PREPPED IN ACCORDANCE WITH THE PRODUCT DESIGNATED ASTM SPECIFICATIONS.
5. FABRICATED PRODUCTS ARE TO BE HOT DIP GALVANIZED PER ASTM A123.
6. THREADED PARTS AND HARDWARE IS TO BE HOT DIP GALVANIZED PER ASTM A153.
7. DIMENSIONAL TOLERANCES ARE TO BE ± 1/8" OF NOTED DIMENSIONS.
8. AXIAL TOLERANCES ARE TO BE ± 1°.
9. HOLE TOLERANCES TO BE +1/16" -0" OF NOTED DIMENSIONS.
10. ALL MATERIALS SHALL BE 100% MELTED AND MANUFACTURED IN THE U.S.A.

J.H. BOTTS, LLC
BRIDGE & HWY. METAL PRODUCTS
253 E. BRUCE ST. JOLIET, IL
AISC CERTIFIED FABRICATOR

REV.	DESCRIPTION	AUTHOR	DATE
A	FOR APPROVAL	ML/VALMERS	12/01/25
B	REDRAWN	J.KBS	12/12/25

CUSTOM PILE FOUNDATION

DATE:	12/01/25	QUOTE NO.:	Q042782
DETAILED BY:	ML/VALMERS	P.O. NO.:	N/A
CHECKED BY:	J.KBS	ORDER NO.:	N/A
REVISION LEVEL:	B	SHEET NO.	
P.O. COMPANY:	LEMAC COMPANY INC.		
CONTRACTOR:	N/A	1 OF 1	
PROJECT OWNER:	N/A		

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\1 DRAWING INDEX AND LOCATION MAP.DWG

CENTRAL AVENUE WATER LINE REPLACEMENT

Carthage Water & Electric Plant

CARTHAGE, MO

SITE LOCATION

DRAWING INDEX	
TITLE	DWG No.
DRAWING INDEX AND LOCATION MAP	1
OVERALL SITE PLAN	2
SUMMARY OF QUANTITIES	3
WATER LINE A REPLACEMENT PLAN	4
WATER LINE A REPLACEMENT PLAN	5
WATER LINE A REPLACEMENT PLAN	6
WATER LINE A REPLACEMENT PLAN	7
WATER LINE A REPLACEMENT PLAN	8
WATER LINE A REPLACEMENT PLAN	9
WATER LINES B AND C REPLACEMENT PLAN AND PROFILE	10
WATER LINE D REPLACEMENT PLAN	11
WATER LINE D REPLACEMENT PLAN	12
STANDARD CONSTRUCTION DETAILS	13

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T. BRIGGS
NUMBER PE-2010019510
8/19/26
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680 - 7200

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CERTIFICATE OF AUTHORITY MISSOURI NO. 000427

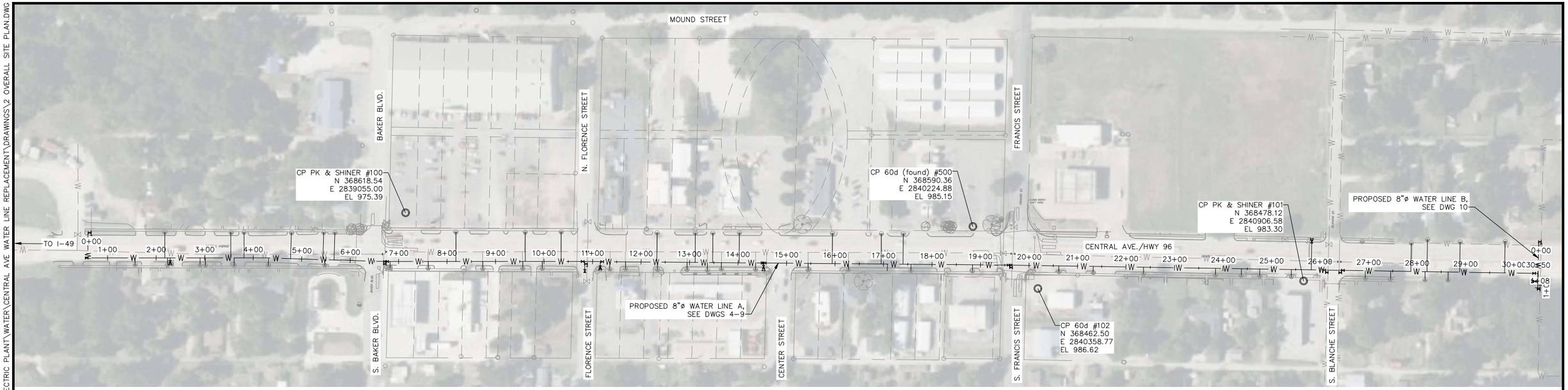
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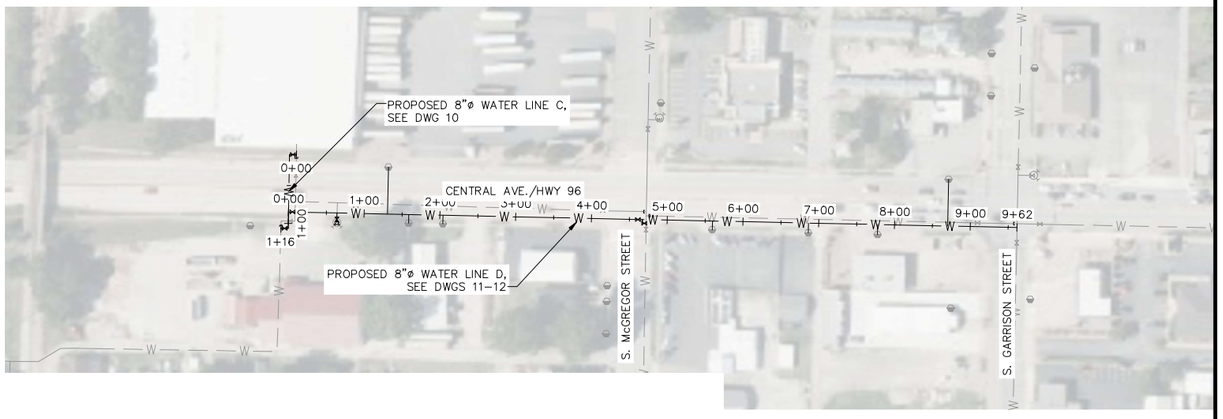
DWN. BY:	SAD
CKD. BY:	MEAP
APPD. BY:	JTB
DATE :	08/10/2026

DRAWING INDEX AND LOCATION MAP
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 1

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\2 OVERALL SITE PLAN.DWG





CONTROL TABLE				
CONTROL	DESCRIPTION	ELEVATION	NORTHING	EASTING
# 100	CP PK & SHINER	975.39	368618.54	2839055.00
# 101	CP PK & SHINER	983.30	368478.12	2840906.58
# 102	CP 60d	986.62	368462.50	2840358.77
# 500	CP 60d (found)	985.15	368590.36	2840224.88

OVERALL PLAN
200' 0 100' 200'
N

GENERAL NOTES:

1. WATER LINE CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH THE CARTHAGE, WATER & ELECTRIC PLANT STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, DATED JULY 2025.
2. CONTRACTOR SHALL REMOVE, PRESERVE AND REPLACE ALL SIGNS, MAIL BOXES AND FENCES WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. ALL TRAFFICWAYS INCLUDING DRIVEWAYS, ALLEYWAYS AND SIDEWALKS SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND EMERGENCY VEHICLES DURING PROJECT DURATION.
4. ALL CONSTRUCTION AND EXCAVATION ACTIVITIES SHALL BE CONFINED TO EASEMENTS, RIGHT-OF-WAY AND/OR WORK AREA LIMITS AS SHOWN ON DRAWING. DUE TO THE LOCATION OF UNDERGROUND UTILITIES, TERRAIN AND OTHER PERMANENT OBSTRUCTIONS, THE DISTANCE OF THE PROPOSED WATER LINE FROM THE ROADWAY SURFACE VARIES THROUGHOUT THE PROJECT. UNDER NO CIRCUMSTANCES SHALL THE PROPOSED WATER LINE BE PLACED OFF OF ROADWAY RIGHT-OF-WAY OR PERMANENT EASEMENTS.
5. THE LOCATION OF SOME EXISTING UTILITIES HAS BEEN APPROXIMATED. CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO EXCAVATION, AND SHALL BE RESPONSIBLE FOR THE EXACT LOCATION AND PRESERVATION OF ALL BURIED UTILITY LINES. UTILITY LOCATING SERVICE, SUCH AS MISSOURI DIG-RITE, SHALL BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
6. CONTRACTOR SHALL PRESERVE ALL TREES AND SHRUBBERY LOCATED WITHIN THE CONSTRUCTION EASEMENT AND RIGHT-OF-WAY TO THE EXTENT POSSIBLE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND THE OFFSITE DISPOSAL OF ANY TREES AND/OR BRUSH THAT MUST BE REMOVED IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS.
7. ADDITIONAL FITTINGS WILL BE REQUIRED WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE PREPARED TO FURNISH AND INSTALL THESE FITTINGS AS REQUIRED TO MAKE A COMPLETE WORKING SYSTEM (I.E. BENDS, COUPLINGS, ETC.).
8. ALL SURFACES (CONCRETE, ASPHALT, GRAVEL OR DIRT) AND THEIR APPURTENANCES (CURBS, CULVERTS, ETC.) DISTURBED DURING CONSTRUCTION SHALL BE REPLACED PER SPECIFICATIONS AND STANDARD DETAILS. CONTRACTOR SHALL OPEN CUT AND REPLACE PAVEMENT ON STREET AND DRIVE CROSSINGS PER SPECIFICATIONS AND STANDARD DRAWING DETAILS. EACH DRIVE SURFACE CROSSED SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES, UNLESS APPROVED BY MoDOT, CW&EP, OR THE CITY PRIOR TO THE START OF CONSTRUCTION.
9. TRAFFIC CONTROL SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE, PLACE AND MAINTAIN ALL BARRIERS (CONES, BARRELS, ETC.) AND SAFETY PERSONNEL (FLAGMEN) AS NECESSARY FOR A SAFE WORKING ENVIRONMENT. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE MUTCD.
10. PROPOSED WATER MAIN SHALL BE BURIED A MINIMUM OF 42" FROM GROUND LINE TO TOP OF PIPE, PER PROJECT PLANS AND SPECIFICATIONS.
11. CONNECTION DETAILS ARE BASED ON AVAILABLE INFORMATION. CONTRACTOR SHALL BE PREPARED TO ALTER CONNECTIONS AND PROVIDE NECESSARY FITTINGS AS FIELD CONDITIONS WARRANT AND AS APPROVED BY ENGINEER.
12. CONTRACTOR SHALL CONTACT ELECTRIC COMPANY PRIOR TO CONSTRUCTION FOR STABILIZATION OF ANY EXISTING POWER POLES ALONG THE PROPOSED WATER LINE ROUTE.
13. CONTRACTOR SHALL EXERCISE CAUTION TO GUARD AGAINST THE DEGRADATION OF THE WATERS OF THE STATE DUE TO CONSTRUCTION RELATED POLLUTANTS (SILT, DEBRIS, AND PETROLEUM PRODUCTS).
14. DURING ALL CONSTRUCTION ACTIVITIES, CARE SHALL BE TAKEN TO PREVENT DAMAGE TO ADJACENT STRUCTURES, PROPERTY PINS, AND BURIED PIPING AND UTILITIES. REPAIR OF ALL STRUCTURE, PROPERTY PINS, AND/OR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE AND TO THEIR ORIGINAL CONDITION.
15. IN ALL LOCATIONS WHERE THE EXISTING WATER LINE IS TO BE REPLACED OR ABANDONED IN-PLACE, ALL EXISTING WATER SERVICE CONNECTIONS SHALL BE RECONNECTED AS INDICATED ON THE PLANS. NOT ALL EXISTING WATER SERVICE LINES, METERS, AND CONNECTIONS OR THEIR LOCATIONS HAVE BEEN SHOWN ACCURATELY ON CONSTRUCTION PLANS; THEREFORE, CONTRACTOR SHALL BE PREPARED TO ALTER THE NUMBER AND LOCATION OF ALL PROPOSED WATER SERVICE CONNECTIONS.
16. WATER SERVICE SHALL BE UNINTERRUPTED THROUGHOUT THE DURATION OF THE PROJECT.

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680 - 7200

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CERTIFICATE OF AUTHORITY MISSOURI NO. 000427

DATE	REVISION

DWN. BY:	SAD
CKD. BY:	MEAP
APPD. BY:	JTB
DATE :	08/10/2026

OVERALL SITE PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 2

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T BRIGGS
NUMBER PE-2010019510
6/1926
PROFESSIONAL ENGINEER

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\3 SUMMARY OF QUANTITIES.DWG

CENTRAL AVE WATER LINE REPLACEMENT

QUANTITY TABLE

ITEM NO.	UNIT	DESCRIPTION	DWG 4	DWG 5	DWG 6	DWG 7	DWG 8	DWG 9	DWG 10	DWG 11	DWG 12	TOTALS
1	LF	4-Inch Diameter D.I. Water Line	59	-	-	-	-	-	-	-	-	59
2	LF	6-Inch Diameter D.I. Water Line	13	40	28	10	72	-	126	13	-	302
3	LF	8-Inch Diameter D.I. Water Line	491	550	550	550	610	250	108	510	462	4081
4	EA	6-Inch Diameter Gate Valve & Box	1	1	2	-	1	-	2	1	-	8
5	EA	8-Inch Diameter Gate Valve & Box	1	3	3	2	2	1	-	1	-	13
6	EA	Fire Hydrant	1	-	2	-	1	-	1	1	-	6
7	EA	Connect to Existing 4-Inch Dia. Water Line with 4" Tapping Sleeve & 4" Tapping Gate Valve	1	-	-	-	-	-	-	-	-	1
8	EA	Connect to Existing 6-Inch Dia. Water Line with 6" Tapping Sleeve & 6" Tapping Gave Valve	-	2	-	1	1	-	2	-	-	6
9	EA	Connect to Existing 8-Inch Dia. Water Line with 8" Tapping Sleeve & 8" Tapping Gave Valve	-	-	-	-	-	-	2	-	1	3
10	EA	Connect to Existing 10-Inch Dia. Water Line with 10 Tapping Sleeve & 10" Tapping Gate Valve	-	-	-	-	-	-	-	1	-	1
11	EA	Connect to Existing 16-Inch Dia. Water Line with 16"x8" Tapping Sleeve & 8" Tapping Gate Valve	-	-	-	-	1	-	-	-	-	1
12	LF	Flushing, Testing, and Disinfection of 4" Dia. Water Lines	59	-	-	-	-	-	-	-	-	59
13	LF	Flushing, Testing, and Disinfection of 6" Dia. Water Lines	13	40	28	10	72	-	126	13	-	302
14	LF	Flushing, Testing, and Disinfection of 8" Dia. Water Lines	491	550	550	550	610	250	108	510	462	4081
15	LF	1" PEX SDR 9 Service Line	371	310	440	192	161	229	-	107	104	1914
16	LF	Crushed Stone Pavement Replacement	866	913	958	735	827	461	140	626	555	6081
17	EA	Surface Restoration	73	12	60	27	36	18	94	14	16	350
18	LS	Mobilization, Bonding, Insurance, and Any Other Work Required	-	-	-	-	-	-	-	-	-	1

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T. BRIGGS
NUMBER PE-2010019510
6/10/26
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680 - 7200

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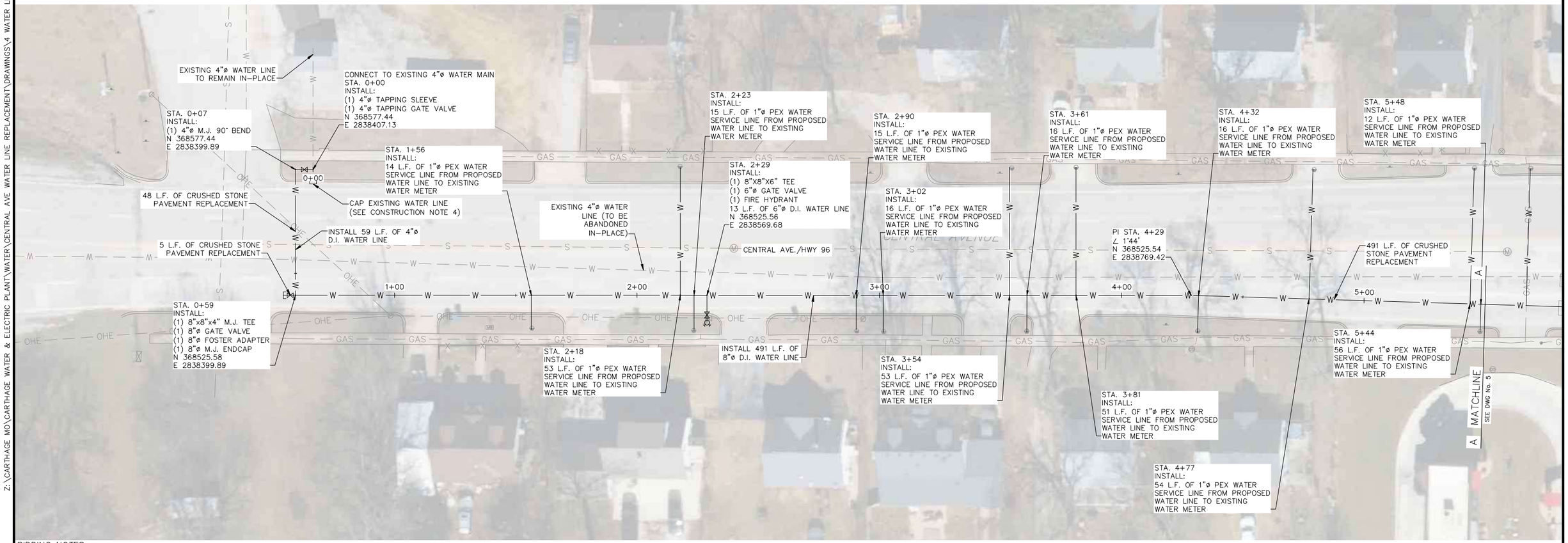
DATE	REVISION

DWN. BY: XXX
CKD. BY: MEAP
APPD. BY: JTB
DATE: 08/10/2026

SUMMARY OF QUANTITIES
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 3

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\4 WATER LINE A REPLACEMENT PLAN.DWG



BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

LINE A PLAN

20' 0 10' 20'

N

LEGEND

- EXISTING GRAVITY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

1. NEWLY CONSTRUCTED WATER LINE SHALL BE FLUSHED, TESTED AND DISINFECTED PRIOR TO BEING PUT INTO SERVICE.
2. ONCE WATER LINE PASSES NECESSARY BACTERIOLOGICAL TESTING, ALL WATER SERVICES SHALL BE CONNECTED.
3. CW&EP PERSONNEL SHALL INSTALL ALL SERVICE TAP CONNECTIONS TO PROPOSED WATER MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING WATER SERVICE LINE AND CONNECTING TO EXISTING WATER SERVICE LINE, COPPERSETTER OR WATER METER.
4. ONCE ALL EXISTING WATER SERVICE LINES HAVE BEEN CONNECTED TO THE PROPOSED WATER LINE, CONTRACTOR SHALL CUT AND INSTALL M.J. END CAP w/ THRUST BLOCK. EXISTING GATE VALVES SHALL BE ABANDONED IN-PLACE BY REMOVING VALVE BOX, AND BACKFILLING WITH CRUSHED STONE.
5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
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NUMBER PE-2010019510
8/19/26
PROFESSIONAL ENGINEER

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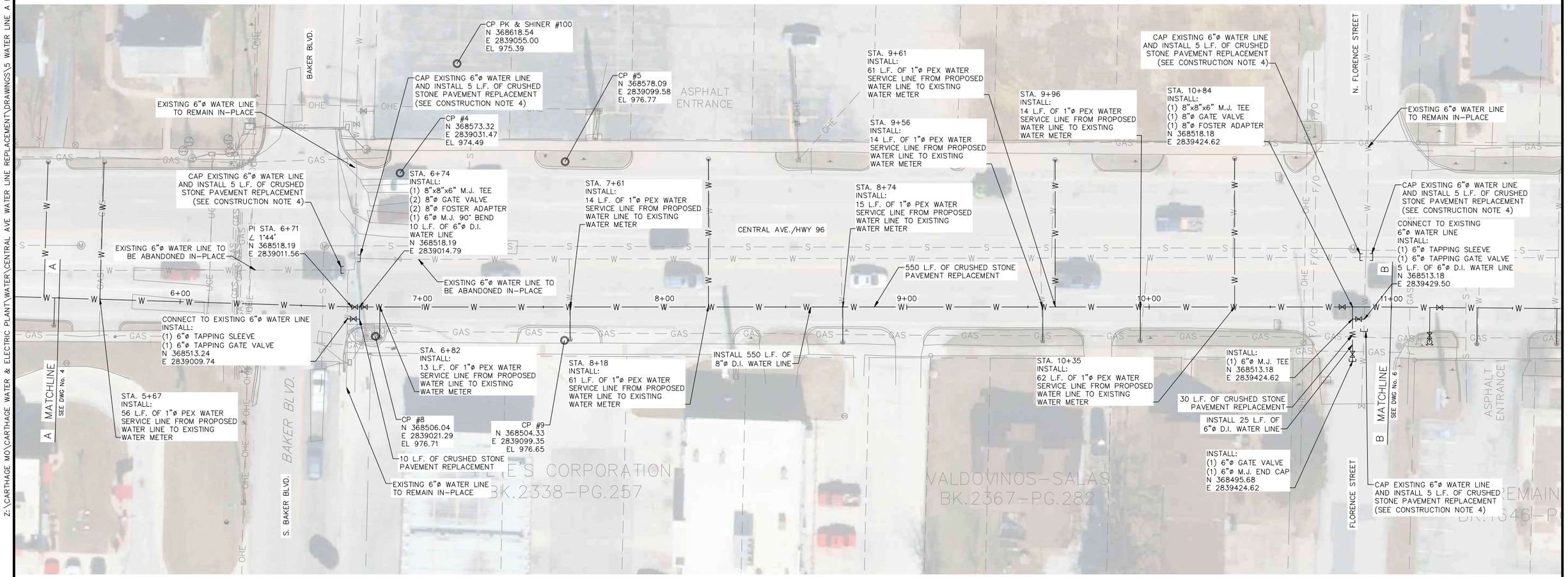
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WATER LINE A REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 4



Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\5 WATER LINE A REPLACEMENT PLAN.DWG

BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

LINE A PLAN

20' 0 10' 20'

N

LEGEND

- EXISTING GRAVITY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

1. NEWLY CONSTRUCTED WATER LINE SHALL BE FLUSHED, TESTED AND DISINFECTED PRIOR TO BEING PUT INTO SERVICE.
2. ONCE WATER LINE PASSES NECESSARY BACTERIOLOGICAL TESTING, ALL WATER SERVICES SHALL BE CONNECTED.
3. CW&EP PERSONNEL SHALL INSTALL ALL SERVICE TAP CONNECTIONS TO PROPOSED WATER MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING WATER SERVICE LINE AND CONNECTING TO EXISTING WATER SERVICE LINE, COPPERSETTER OR WATER METER.
4. ONCE ALL EXISTING WATER SERVICE LINES HAVE BEEN CONNECTED TO THE PROPOSED WATER LINE, CONTRACTOR SHALL CUT AND INSTALL M.J. END CAP w/ THRUST BLOCK. EXISTING GATE VALVES SHALL BE ABANDONED IN-PLACE BY REMOVING VALVE BOX, AND BACKFILLING WITH CRUSHED STONE.
5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.

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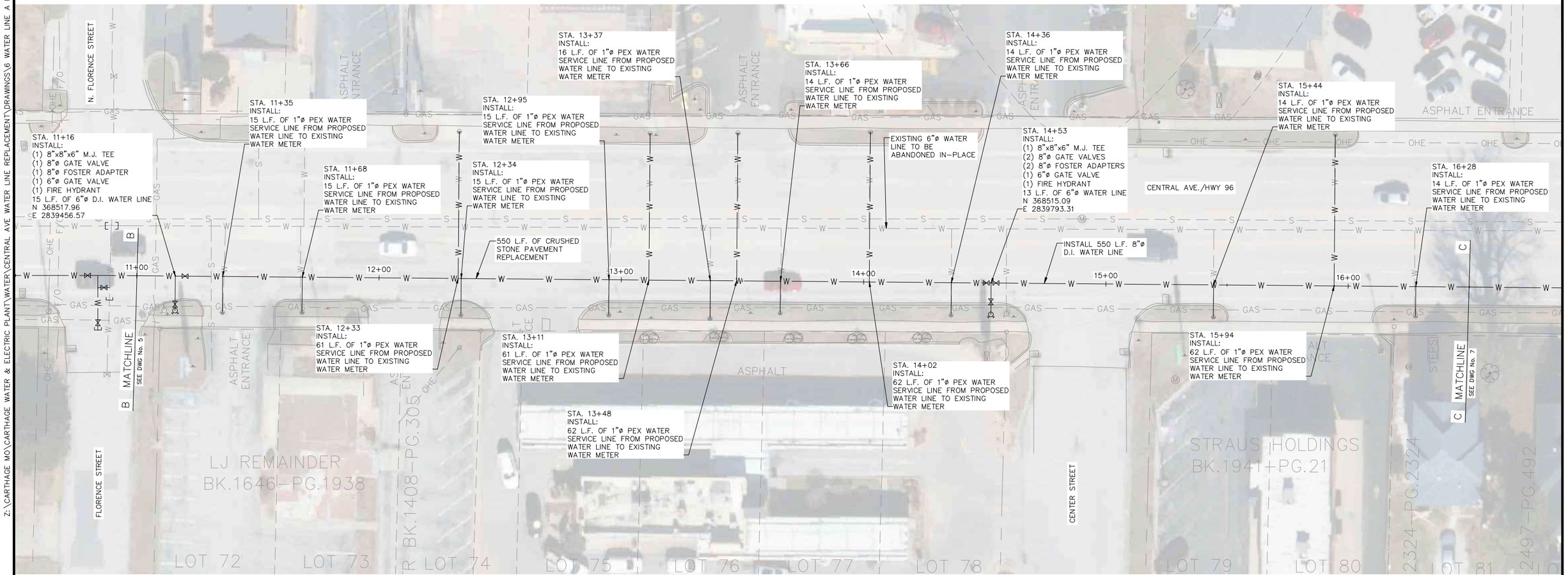
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DATE :	08/10/2026

WATER LINE A REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 5

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\6 WATER LINE A REPLACEMENT PLAN.DWG



BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

LINE A PLAN

20' 0 10' 20'

N

LEGEND

- S — EXISTING GRAVITY SEWER LINE
- W — EXISTING WATER LINE
- SS — EXISTING STORM WATER LINE
- GAS — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- W — PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

1. NEWLY CONSTRUCTED WATER LINE SHALL BE FLUSHED, TESTED AND DISINFECTED PRIOR TO BEING PUT INTO SERVICE.
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4. ONCE ALL EXISTING WATER SERVICE LINES HAVE BEEN CONNECTED TO THE PROPOSED WATER LINE, CONTRACTOR SHALL CUT AND INSTALL M.J. END CAP w/ THRUST BLOCK. EXISTING GATE VALVES SHALL BE ABANDONED IN-PLACE BY REMOVING VALVE BOX, AND BACKFILLING WITH CRUSHED STONE.
5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

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NUMBER PE-2010019510
8/19/26
PROFESSIONAL ENGINEER

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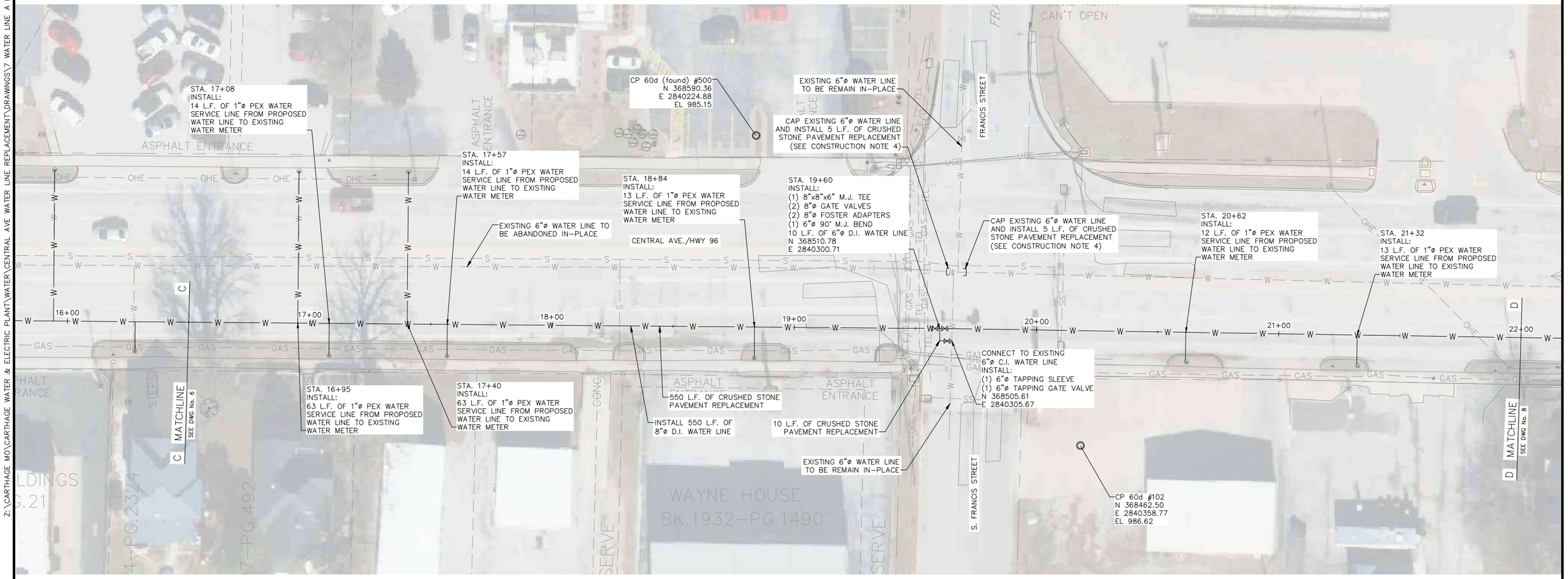
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WATER LINE A REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 6

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\7 WATER LINE A REPLACEMENT PLAN.DWG



BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

LINE A PLAN

20' 0 10' 20'

N

LEGEND

- S — EXISTING GRAVITY SEWER LINE
- W — EXISTING WATER LINE
- SS — EXISTING STORM WATER LINE
- GAS — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- W — PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

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4. ONCE ALL EXISTING WATER SERVICE LINES HAVE BEEN CONNECTED TO THE PROPOSED WATER LINE, CONTRACTOR SHALL CUT AND INSTALL M.J. END CAP w/ THRUST BLOCK. EXISTING GATE VALVES SHALL BE ABANDONED IN-PLACE BY REMOVING VALVE BOX, AND BACKFILLING WITH CRUSHED STONE.
5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.

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LICENSE NO. E-2010019510

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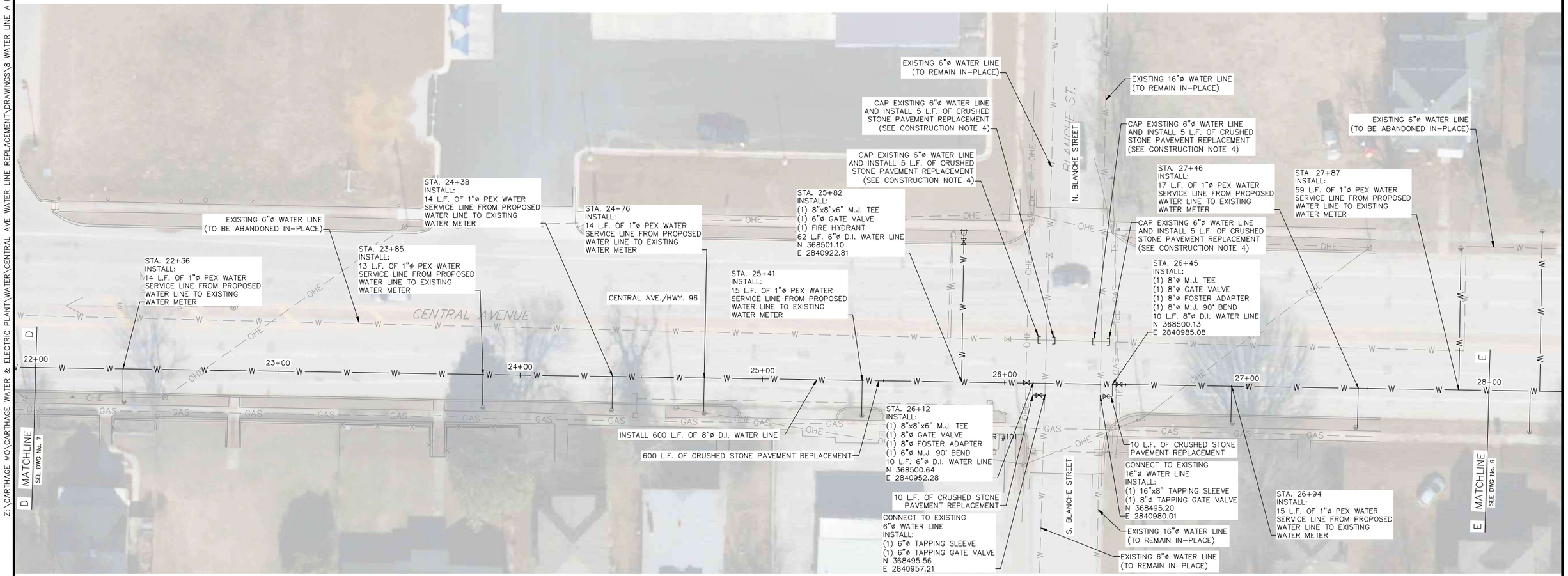
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CKD. BY:	MEAP
APPD. BY:	JTB
DATE :	08/10/2026

WATER LINE A REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 7

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\8 WATER LINE A REPLACEMENT PLAN.DWG



BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

LINE A PLAN

20' 0 10' 20'

N

LEGEND

- S — EXISTING GRAVITY SEWER LINE
- W — EXISTING WATER LINE
- SS — EXISTING STORM WATER LINE
- GAS — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- W — PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

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3. CW&EP PERSONNEL SHALL INSTALL ALL SERVICE TAP CONNECTIONS TO PROPOSED WATER MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING WATER SERVICE LINE AND CONNECTING TO EXISTING WATER SERVICE LINE, COPPERSETTER OR WATER METER.
4. ONCE ALL EXISTING WATER SERVICE LINES HAVE BEEN CONNECTED TO THE PROPOSED WATER LINE, CONTRACTOR SHALL CUT AND INSTALL M.J. END CAP w/ THRUST BLOCK. EXISTING GATE VALVES SHALL BE ABANDONED IN-PLACE BY REMOVING VALVE BOX, AND BACKFILLING WITH CRUSHED STONE.
5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.
6. CONTRACTOR SHALL COORDINATE WATER LINE CONSTRUCTION WITH PROPOSED MoDOT IMPROVEMENTS TO MAINTAIN 36" OF COVER. SPECIFICALLY IN AREAS WHERE MoDOT IS PLANNING TO LOWER ROADWAY ELEVATION. APPROXIMATE WATER LINE A STA 26+00 TO 30+50.

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI JOHN T BRIGGS NUMBER PE-2010019510 8/19/26 PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
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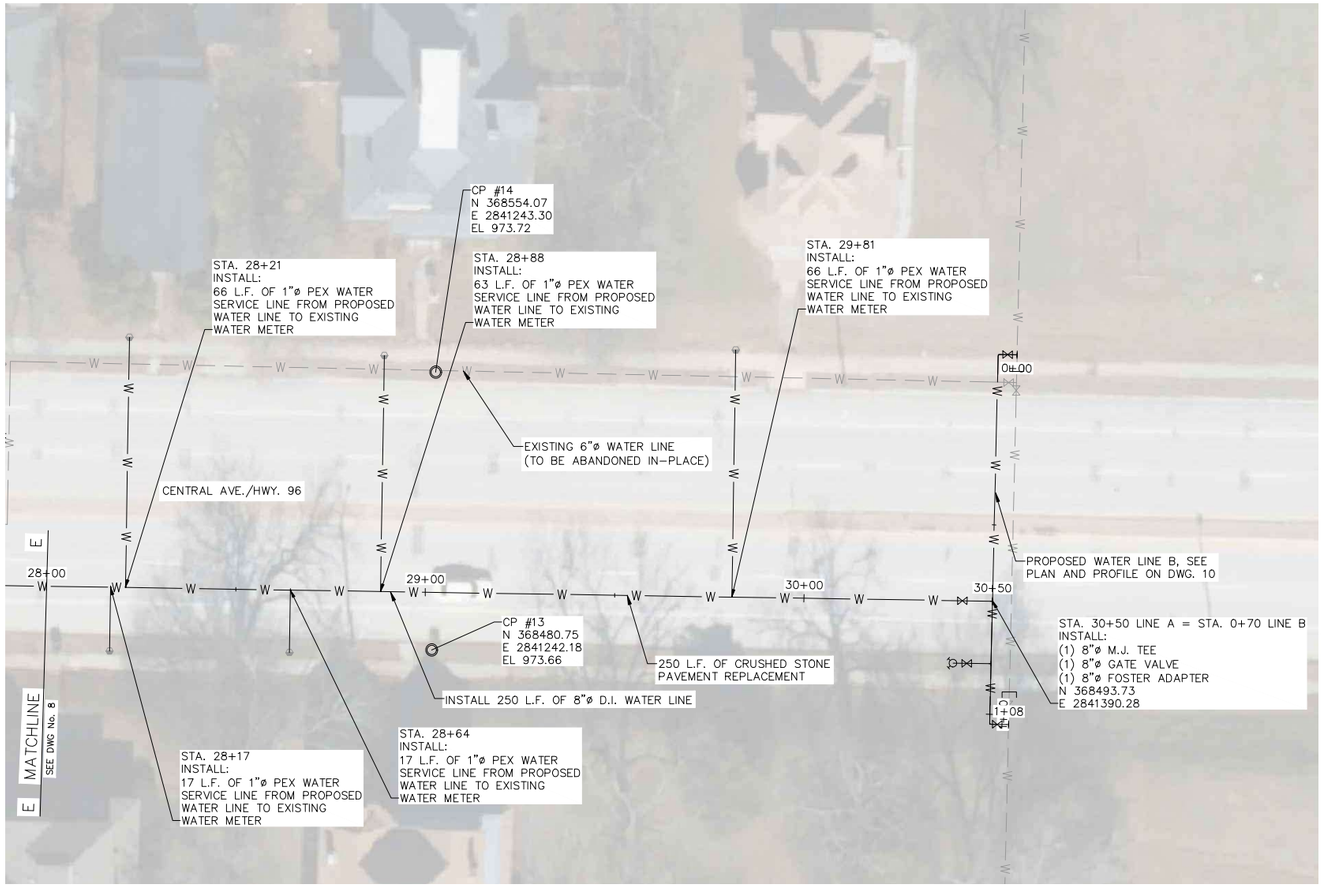
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WATER LINE A REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 8

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\9 WATER LINE A REPLACEMENT PLAN.DWG



LINE A PLAN

20' 0 10' 20'

N

BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

LEGEND

- S — EXISTING GRAVITY SEWER LINE
- W — EXISTING WATER LINE
- SS — EXISTING STORM WATER LINE
- GAS — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- W — PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

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5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.
6. CONTRACTOR SHALL COORDINATE WATER LINE CONSTRUCTION WITH PROPOSED MoDOT IMPROVEMENTS TO MAINTAIN 36" OF COVER. SPECIFICALLY IN AREAS WHERE MoDOT IS PLANNING TO LOWER ROADWAY ELEVATION. APPROXIMATE WATER LINE A STA 26+00 TO 30+50.

ALLGEIER, MARTIN and ASSOCIATES, INC.
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APPD. BY:	JTB
DATE :	08/10/2026

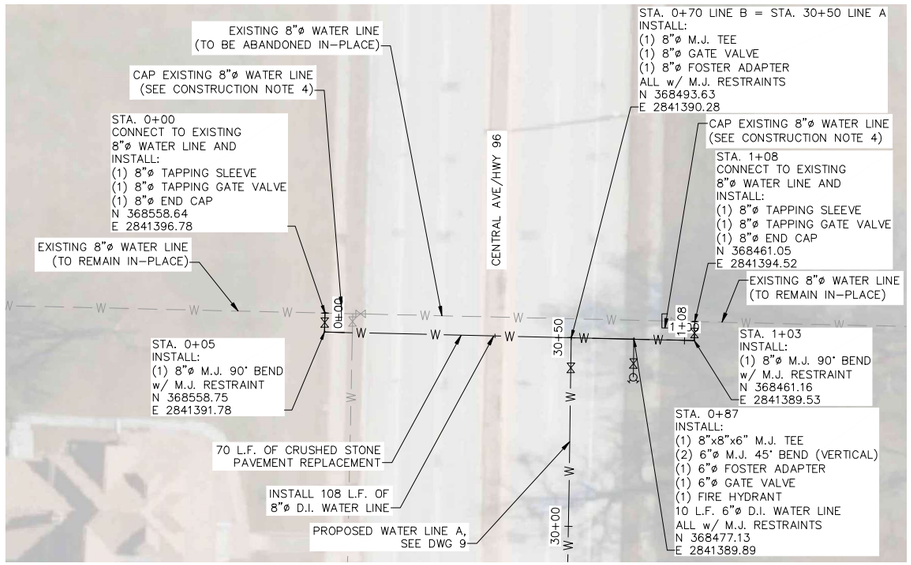
WATER LINE A REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

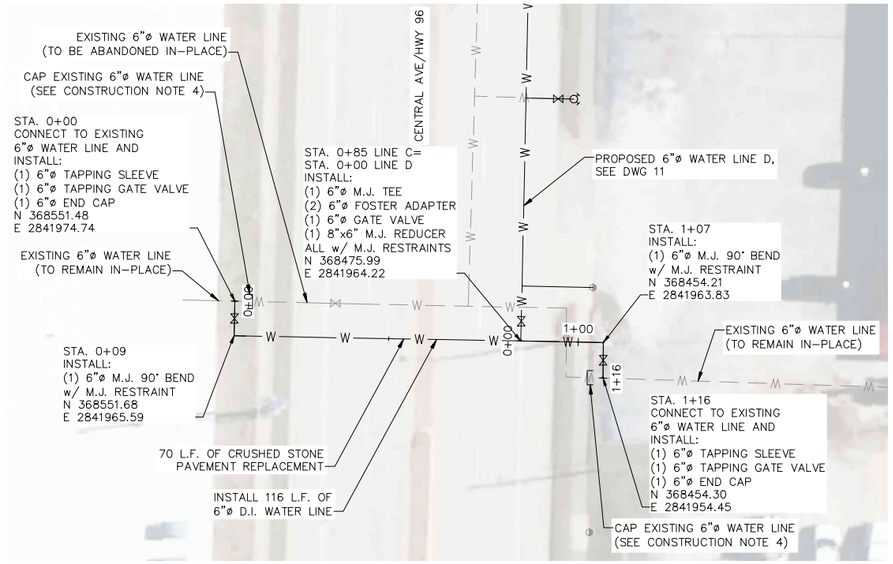
DWG. NO. 9

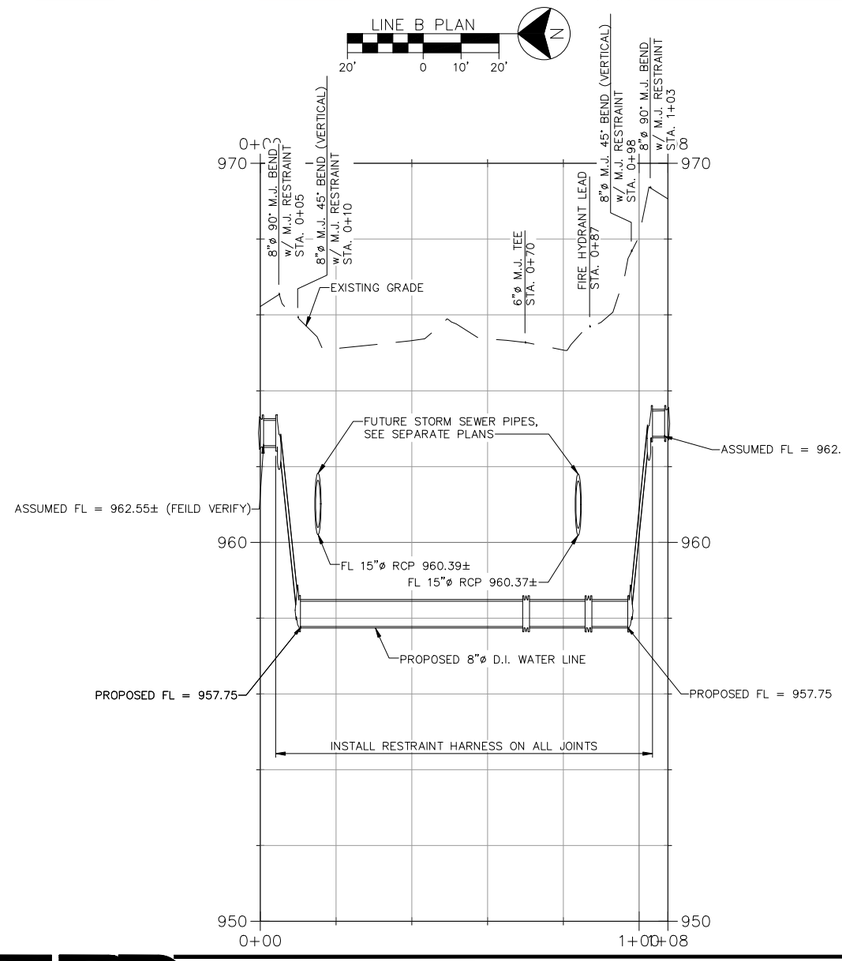
CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T. BRIGGS
NUMBER PE-2010019510
8/10/26
PROFESSIONAL ENGINEER

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\10 WATER LINES B AND C REPLACEMENT PLAN AND PROFILE.DWG







LEGEND

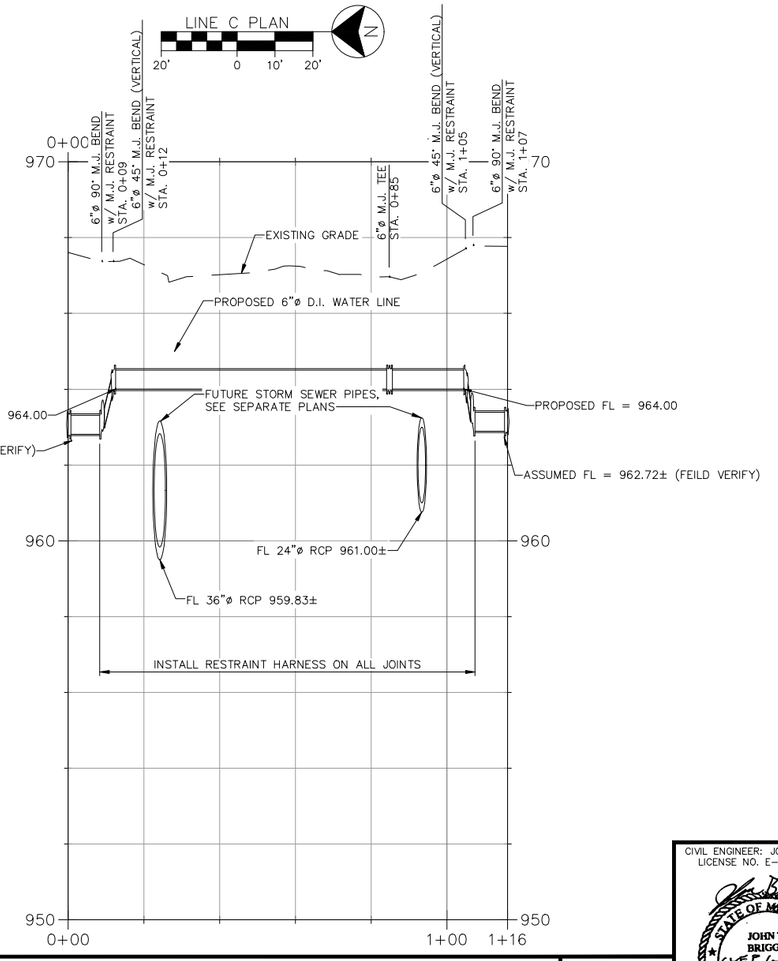
- EXISTING GRAVITY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

BIDDING NOTES:

1. CRUSHED STONE PAVEMENT REPLACEMENT, AND SURFACE RESTORATION FOR WATER SERVICE LINES AND HYDRANT LEAD PIPES HAVE NOT BEEN CALLED OUT. THESE QUANTITIES HAVE BEEN COUNTED AND ARE INCLUDED IN THE BID SCHEDULE AND SHOWN ON DWG. 3.

CONSTRUCTION NOTES:

1. NEWLY CONSTRUCTED WATER LINE SHALL BE FLUSHED, TESTED AND DISINFECTED PRIOR TO BEING PUT INTO SERVICE.
2. ONCE WATER LINE PASSES NECESSARY BACTERIOLOGICAL TESTING, ALL WATER SERVICES SHALL BE CONNECTED.
3. CW&EP PERSONNEL SHALL INSTALL ALL SERVICE TAP CONNECTIONS TO PROPOSED WATER MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING WATER SERVICE LINE AND CONNECTING TO EXISTING WATER SERVICE LINE, COPPERSETTER OR WATER METER.
4. ONCE ALL EXISTING WATER SERVICE LINES HAVE BEEN CONNECTED TO THE PROPOSED WATER LINE, CONTRACTOR SHALL CUT AND INSTALL M.J. END CAP w/ THRUST BLOCK. EXISTING GATE VALVES SHALL BE ABANDONED IN-PLACE BY REMOVING VALVE BOX, AND BACKFILLING WITH CRUSHED STONE.
5. CONTRACTOR SHALL INSTALL FULL DEPTH CRUSHED STONE BACKFILL UNDER ALL EXISTING PAVEMENT. CRUSHED STONE SURFACING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL OF THE PROPOSED WATERLINE WORK HAS BEEN COMPLETED, TESTED, DISINFECTED, APPROVED, AND UNTIL MoDOT COMPLETES THE FINAL PAVEMENT REPLACEMENT.
6. CONTRACTOR SHALL COORDINATE WATER LINE CONSTRUCTION WITH PROPOSED MoDOT IMPROVEMENTS TO MAINTAIN 36" OF COVER. SPECIFICALLY IN AREAS WHERE MoDOT IS PLANNING TO LOWER ROADWAY ELEVATION. APPROXIMATE WATER LINE B STA 0+00 TO 1+08 AND WATER LINE C STA 0+00 TO 1+16.



ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680 - 7200

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CERTIFICATE OF AUTHORITY
MISSOURI NO. 000427

DATE	REVISION

DWN. BY:	SAD
CKD. BY:	MEAP
APPD. BY:	JTB
DATE :	08/10/2026

WATER LINES B AND C REPLACEMENT PLAN AND PROFILE
CENTRAL AVENUE WATER LINE REPLACEMENT

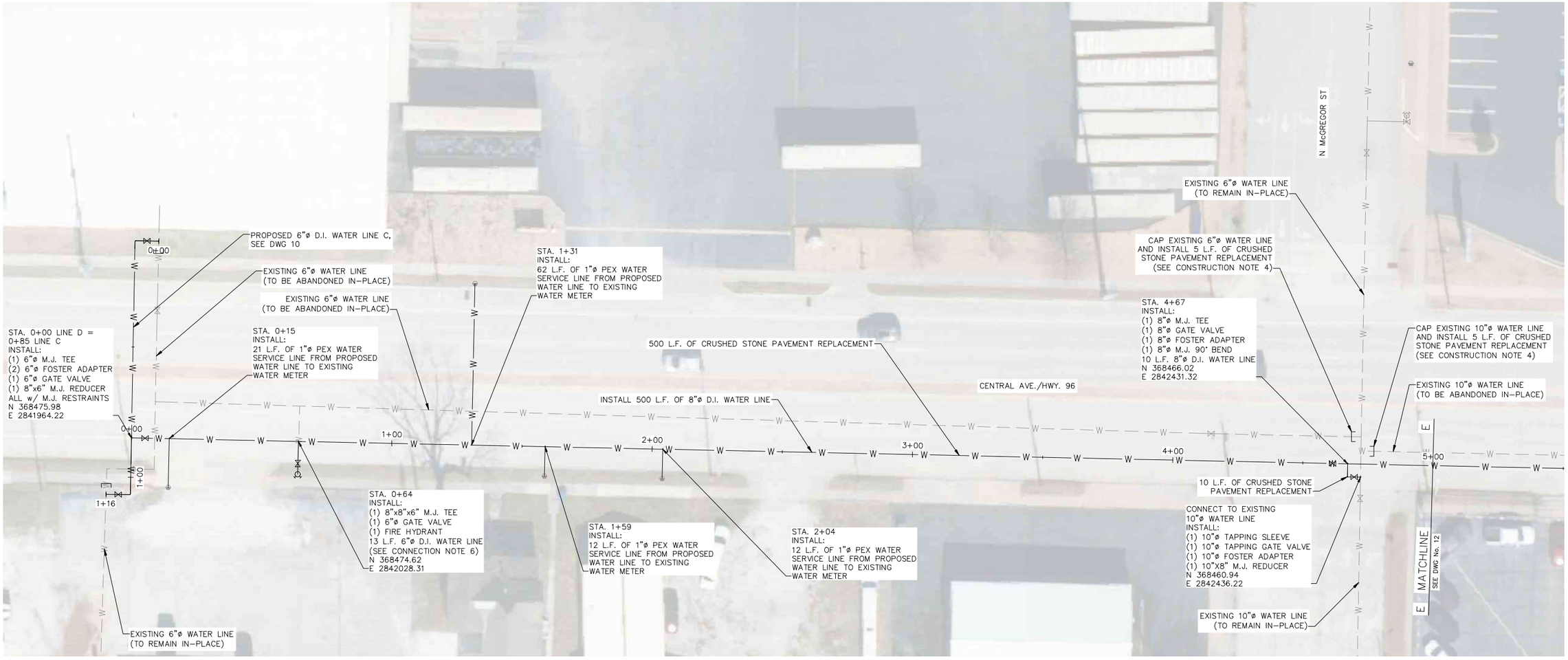
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 10

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T BRIGGS
CERTIFICATE NUMBER
PE-2010019510
8/19/26
PROFESSIONAL ENGINEER

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\11 WATER LINE D REPLACEMENT PLAN.DWG



BIDDING NOTES:

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LINE D PLAN

20' 0 10' 20'

N

LEGEND

- S — EXISTING GRAVITY SEWER LINE
- W — EXISTING WATER LINE
- SS — EXISTING STORM WATER LINE
- GAS — EXISTING GAS LINE
- OHE — EXISTING OVERHEAD ELECTRIC
- W — PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING TREE

CONSTRUCTION NOTES:

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CIVIL ENGINEER: JOHN T. BRIGGS
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STATE OF MISSOURI
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ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
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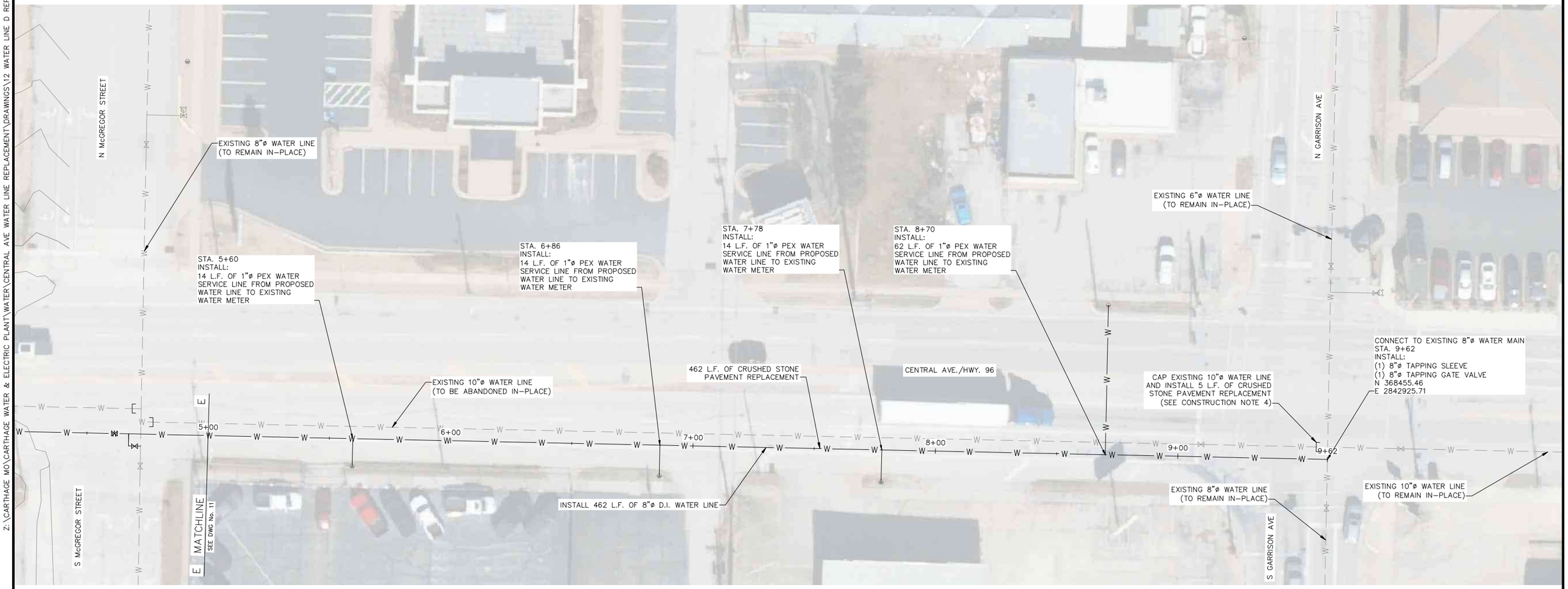
DATE	REVISION

DWN. BY:	SAD
CKD. BY:	MEAP
APPD. BY:	JTB
DATE :	08/10/2026

WATER LINE D REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 11

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\12 WATER LINE D REPLACEMENT PLAN.DWG



BIDDING NOTES:

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LINE D PLAN

20' 0 10' 20'

N

LEGEND

- EXISTING GRAVITY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
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CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T. BRIGGS
NUMBER PE-2010019510
PROFESSIONAL ENGINEER
8/10/26

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CONSULTING ENGINEERS and SURVEYORS
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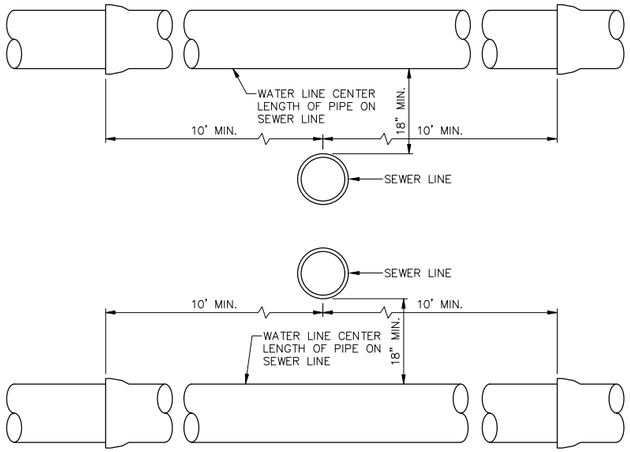
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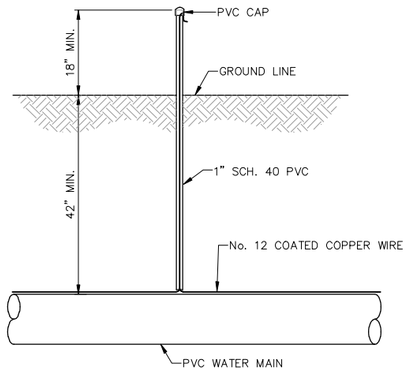
WATER LINE D REPLACEMENT PLAN
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 12

Z:\CARTHAGE MO\CARTHAGE WATER & ELECTRIC PLANT\WATER\CENTRAL AVE WATER LINE REPLACEMENT\DRAWINGS\13 STANDARD CONSTRUCTION DETAILS.DWG

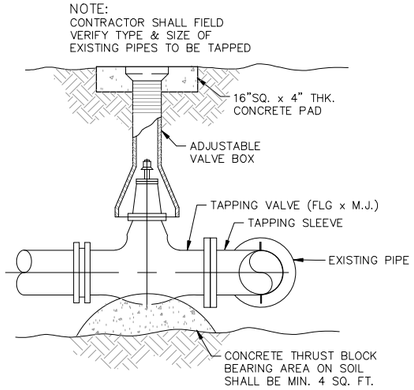


SEWER CROSSING
NTS

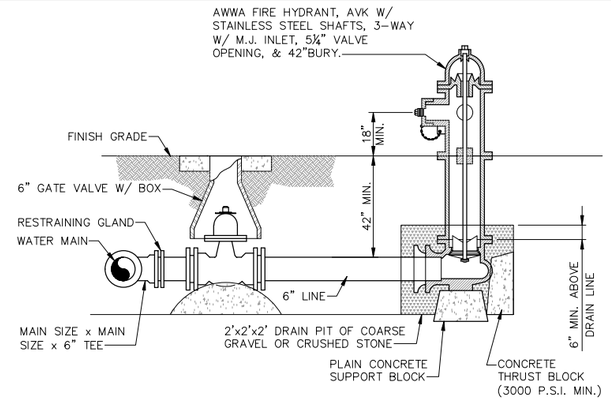


DETECTION WIRE RISER DETAIL
NTS

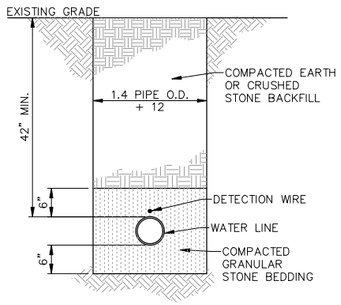
NOTES:
1. DETECTION WIRE RISERS SHALL BE INSTALLED AS REQUIRED TO PROVIDE A RISER SPACING, INCLUDING THOSE AT GATE VALVES, NOT EXCEEDING 5000 FEET.



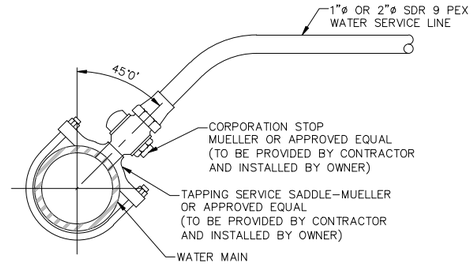
TAPPING SLEEVE & VALVE INSTALLATION
NTS



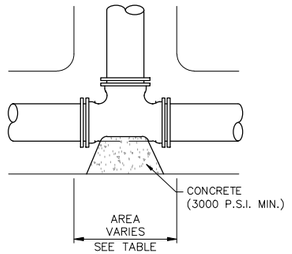
FIRE HYDRANT INSTALLATION
NTS

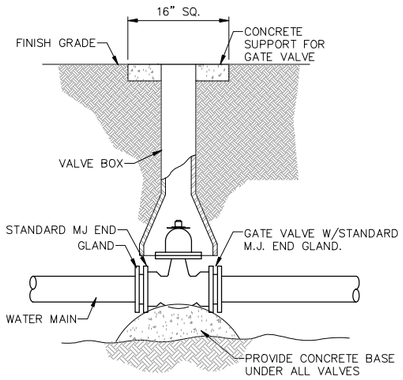


TRENCH & BEDDING
NTS



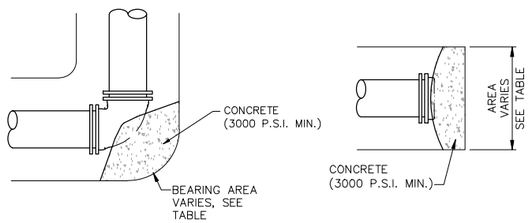
SERVICE TAP
NTS





NOTE:
WHEN G.V. IS INSTALLED IN EXISTING DUCTILE OR C.I. PIPE, REPLACE TRANSITION GASKET W/ STANDARD MJ GASKET.

GATE VALVE INSTALLATION
NTS



NOTE:
THRUST BLOCKING REQUIRED ON TEES, ELLS, PLUGS, CAPS, VALVES, ETC.

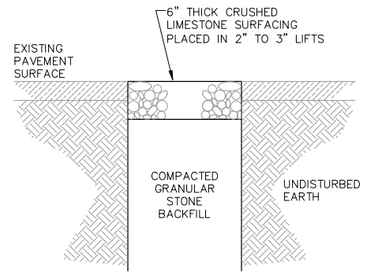
6" LINE OR SMALLER	4 SQUARE FEET
8" LINE	5 SQUARE FEET
12" LINE	8 SQUARE FEET

THRUST BLOCK
NTS

PAVEMENT REPLACEMENT NOTES:

STANDARD WIDTH OF PAVEMENT REPAIR SHALL BE BASED ON A REPAIR WIDTH OF 48". ANY ADDITIONAL WIDTH OF REPAIR SHALL BE AT THE CONTRACTORS EXPENSE AND CONSIDERED INCIDENTAL.

PAVEMENT SHALL BE REMOVED AT THE TRENCH WIDTH AFTER THE FIRST CUT WITHOUT DAMAGE TO ADJACENT PAVEMENT.



CRUSHED STONE PAVEMENT REPAIR

PAVEMENT REPLACEMENT
NTS

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680 - 7200

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CKD. BY:	MEAP
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DATE :	08/10/2026

STANDARD CONSTRUCTION DETAILS
CENTRAL AVENUE WATER LINE REPLACEMENT
CARTHAGE WATER AND ELECTRIC PLANT

DWG. NO. 13

CIVIL ENGINEER: JOHN T. BRIGGS
LICENSE NO. E-2010019510

STATE OF MISSOURI
JOHN T BRIGGS
NUMBER PE-2010019510
6/19/26
PROFESSIONAL ENGINEER

U.I.P AND REHABILITATE EXISTING 2(12'X7') CONCRETE BOX CULVERT

SEC/SUR 5 TWP 28N RGE 31W

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

MISCELLANEOUS:
MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1 1/2", UNLESS OTHERWISE SHOWN.

BOTTOM OF TOP SLAB AND INSIDE FACES OF WALLS SHALL BE BUILT FLUSH WITH THE EXISTING STRUCTURE.

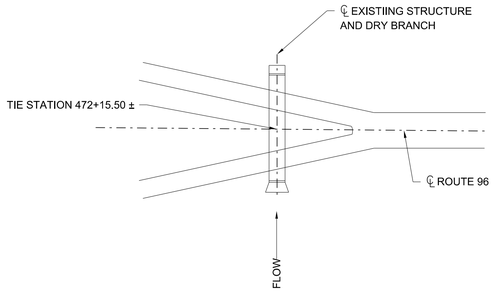
ALL DIMENSIONS ARE HORIZONTAL.

BARREL SECTIONS ARE SYMMETRICAL ABOUT AND NORMAL TO ℄ CULVERT.

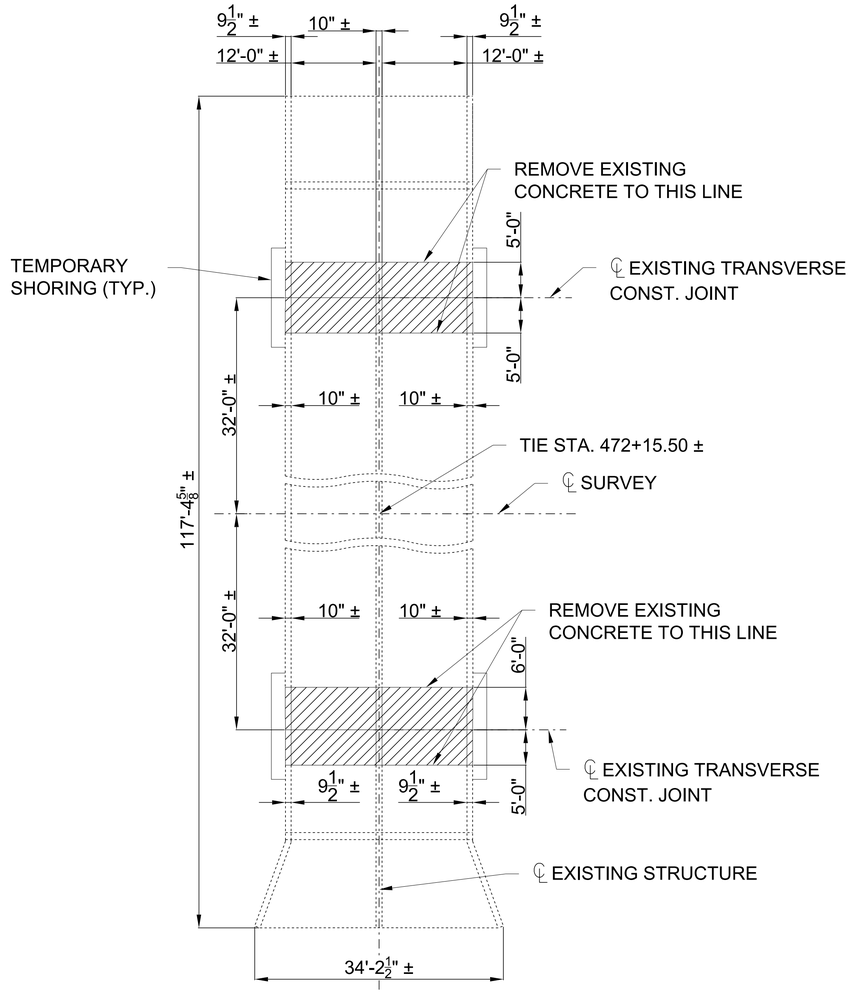
STRUCTURE TO BE CLOSED DURING CONSTRUCTION. TRAFFIC TO BE MAINTAINED ON OTHER ROUTES DURING CONSTRUCTION. SEE ROADWAY PLANS FOR TRAFFIC CONTROL.

BARS BONDED IN EXISTING CONCRETE NOT REMOVED SHALL BE CLEANLY STIPPED AND EMBEDDED INTO NEW CONCRETE WEHERE POSSIBLE. IF LENGTH IS AVAILABLE, EXISTING BARS SHALL EXTEND INTO NEW CONCRETE AT LEAST 40 DIAMETERS FOR PLAIN BARS AND 30 DIAMETERS FOR DEFORMED BARS, UNLESS OTHERWISE NOTED.

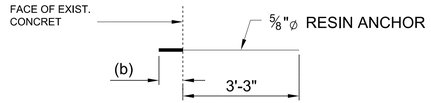
ESTIMATE QUANTITIES			FINAL QUANTITIES
CLASS 4 EXCAVATION	CU. YARD	75	
TEMPORARY SHORING	LUMP SUM	1	
PARTIAL REMOVAL OF CULVERT-BRIDGE CONCRETE	LUMP SUM	1	
CLASS B-1 CONCRETE (CULVERTS-BRIDGE)	CU. YARD	37.4	
REINFORCING STEEL (CULVERTS-BRIDGE	POUND	4,530	



LOCATION SKETCH



PLAN



DETAILS OF RESIN ANCHORS

(b) MANUFACTURER'S RECOMMENDED EMBEDMENT LENGTH (8" MIN.)

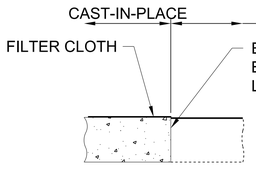
THE CONTRACTOR SHALL USE ONE OF THE QUALIFIED RESIN ANCHOR SYSTEMS IN ACCORDANCE WITH SEC 1039.

COST OF FURNISHING AND INSTALLING THE RESIN ANCHOR SYSTEMS, COMPLETE IN PLACE, WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR CLASS B-1 CONCRETE (CULVERTS-BRIDGE).

THE MINIMUM EMBEDMENT DEPTH IN CONCRETE WITH f'c = 4,000 PSI FOR THE RESIN ANCHOR SYSTEMS SHALL BE THAT REQUIRED TO MEET THE MINIMUM ULTIMATE PULLOUT STRENGTH IN ACCORDANCE WITH SEC 1039 BUT SHALL NOT BE LESS THAN 8".

AN EPOXY COATED #5 GRADE 60 REINFORCING BAR 3'-11" LONG SHALL BE SUBSTITUTED FOR THE 5/8"ø THREADED ROD.

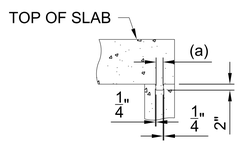
RESIN ANCHORS SHALL BE INSTALLED IN WALLS AND TOP SLAB AS SHOWN IN THE PLANS AND SHALL BE CENTERED IN EXISTING CONCRETE.



CONSTRUCTION JOINT AT EXISTING RCB

FILTER CLOTH 3 FEET IN WIDTH AND DOUBLE THICKNESS SHALL BE CENTERED ON CONSTRUCTION JOINTS IN TOP SLAB AND SIDEWALLS WITH EDGES SEALED WITH MASTIC OR TWO SIDED TAPE. FILTER CLOTH SHALL BE A SEPARATION GEOTEXTILE IN ACCORDANCE WITH SEC 1011.

COST OF FURNISHING AND INSTALLING FILTER CLOTH WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE OF OTHER ITEMS.



KEYED CONSTRUCTION JOINT

(a) APPROXIMATELY ONE-THIRD OF WALL THICKNESS (EXTERIOR WALL SHOWN, INTERIOR WALL SIMILAR)

DESIGNED APRIL 2026
DETAILED MAY 2026
CHECKED JULY 2026

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

REPAIRS TO CULVERT-BRIDGE: ROUTE 96 OVER DRY BRANCH

ROUTE 96 FROM ROUTE I-49 TO ROUTE 571
ABOUT 0.2 MILE EAST OF ROUTE I-49
TIE STATION 472+15.50 ±

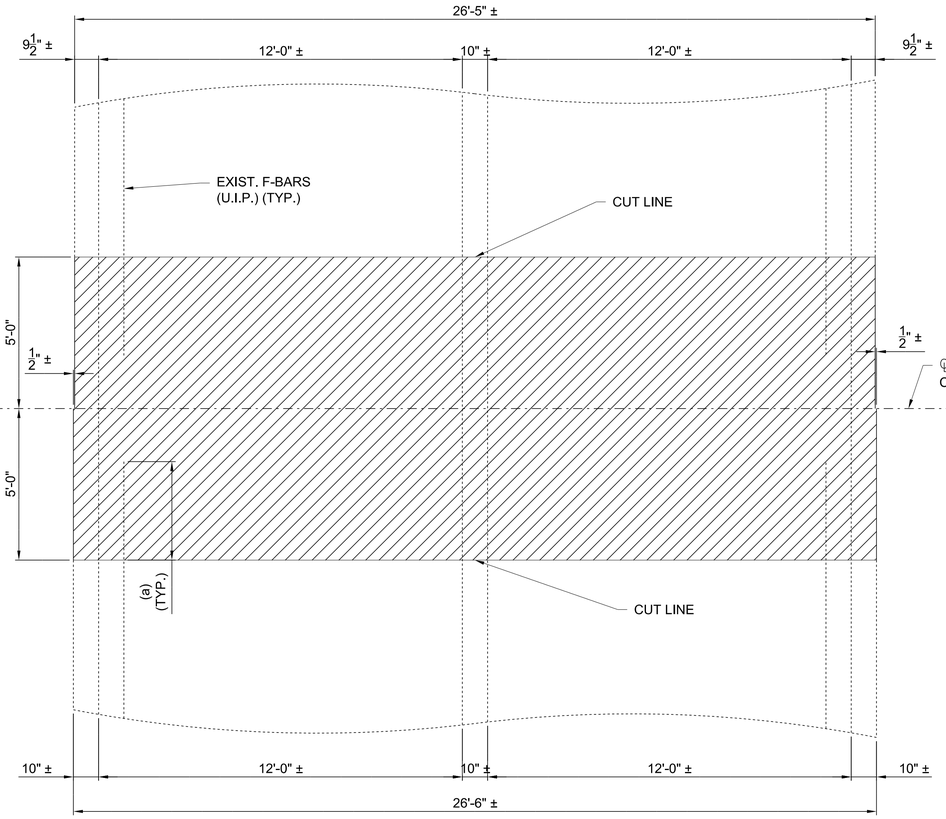
STATE OF MISSOURI
SEAN T. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 96 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. L04142

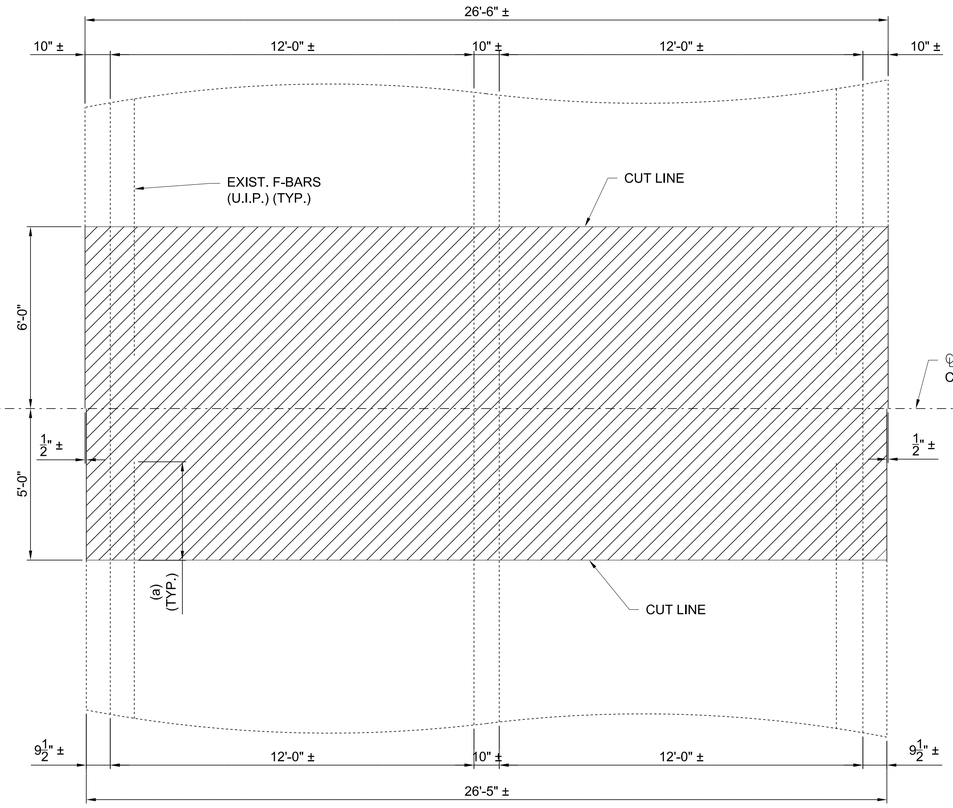
DESCRIPTION | DATE

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.

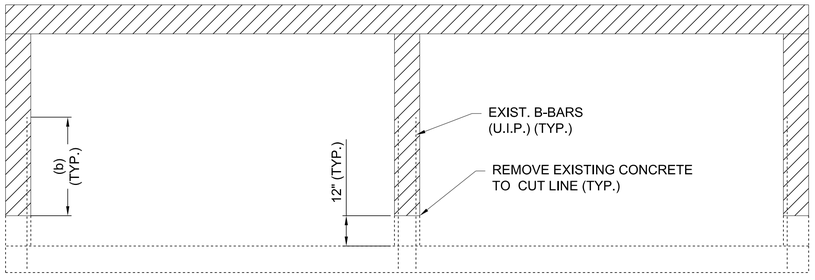


LIMITS OF NORTH SIDE DEMOLITION



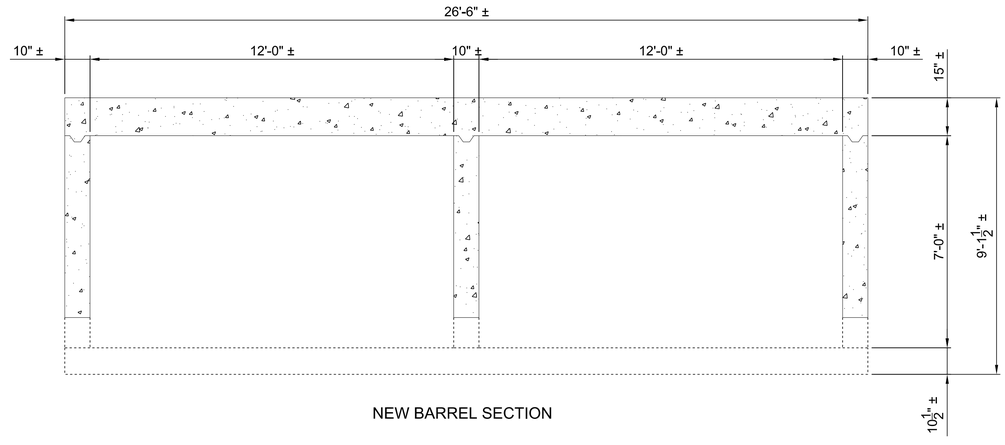
LIMITS OF SOUTH SIDE DEMOLITION

(a) EXISTING HORIZONTAL BARS IN WALLS & TOP SLAB SHALL BE TRIMMED TO EXTEND PAST CUT LINE 3'-3" MIN. ON EACH SIDE



LIMITS OF DEMOLITION THRU BARREL SECTION

(b) EXISTING VERTICAL BARS IN WALLS SHALL BE TRIMMED TO EXTEND ABOVE CUT LINE 3'-3" MIN.



NEW BARREL SECTION

THE COST OF CONCRETE REMOVAL AS SHOWN, INLCUDING REINFORCEMENT UNLESS BEING USED IN PLACE, SHALL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR PARTIAL REMOVAL OF CULVERT-BRIDGE CONCRETE.

DETAILED MAY 2026
CHECKED JULY 2026

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

DEMOLITION PLAN

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

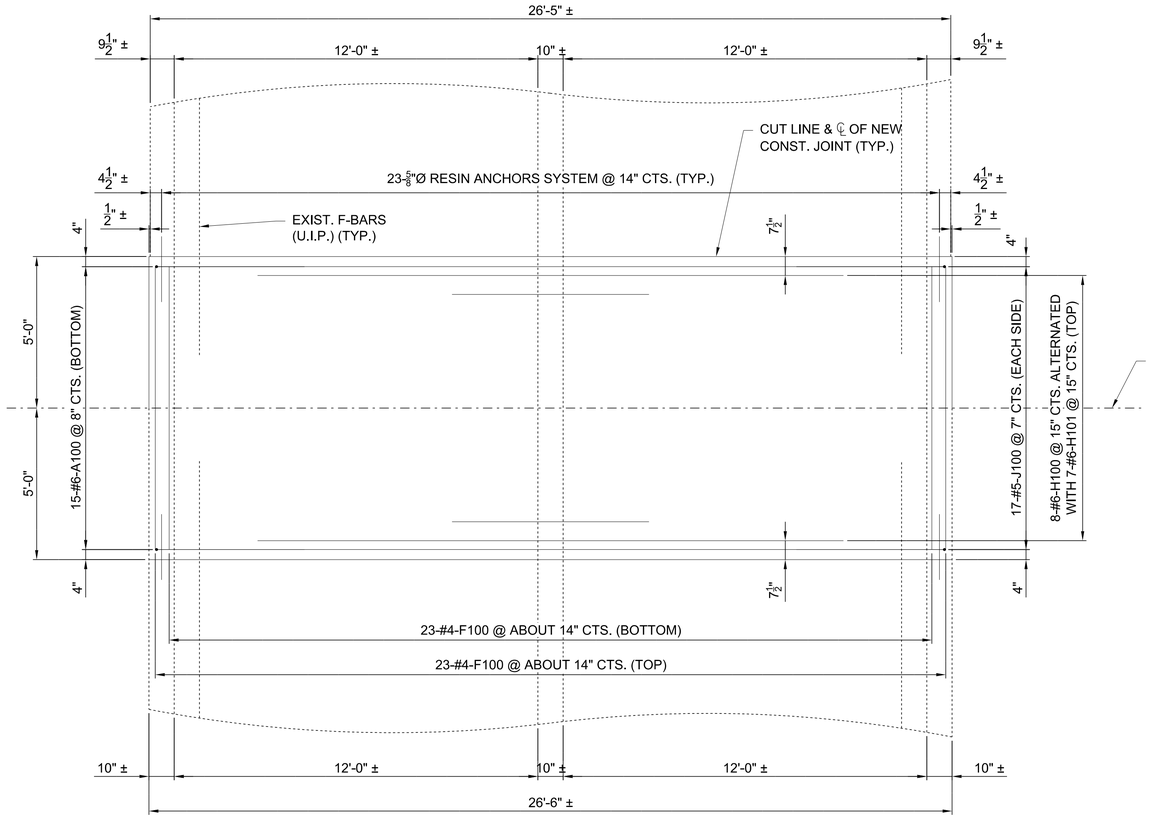
DATE PREPARED: 10/6/2026
ROUTE: 96 | STATE: MO
DISTRICT: BR | SHEET NO.: 2
COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: L04142

DESCRIPTION | DATE

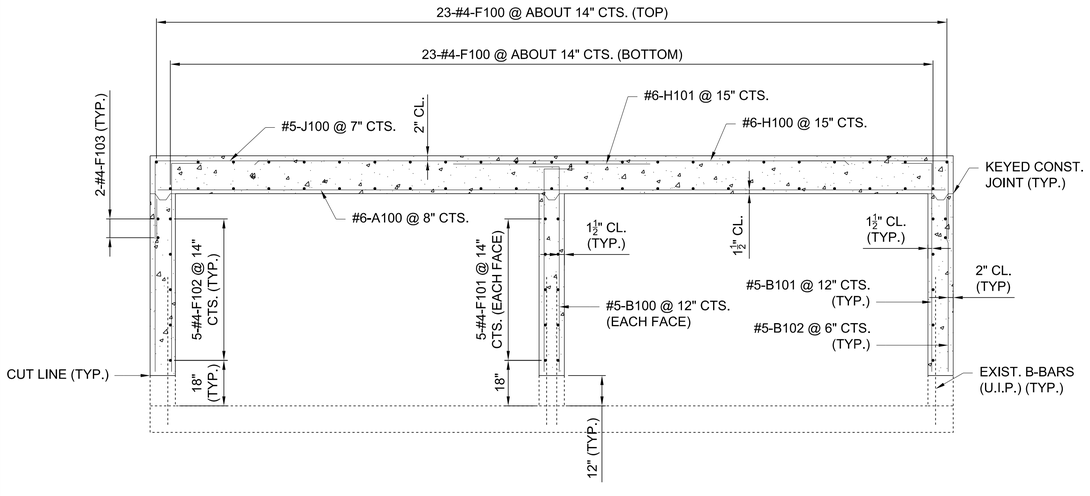
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

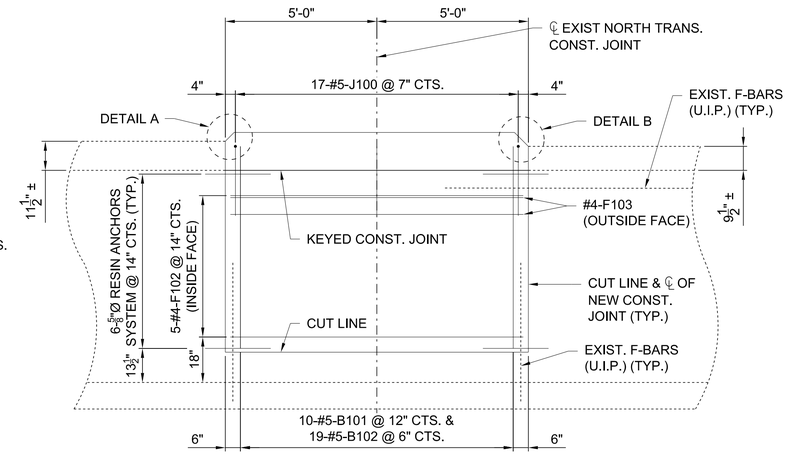
NOTE: CONSTRUCTION JOINT KEY NOT SHOWN FOR CLARITY IN PART PLAN AND PART ELEVATIONS.



PART PLAN OF NORTH TOP SLAB SHOWING REINFORCEMENT

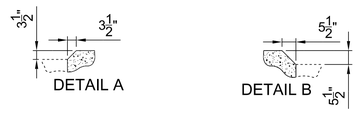


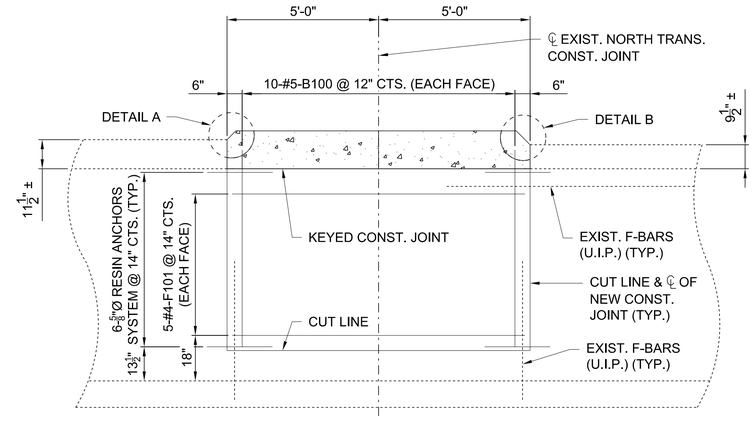
NORTH SIDE NEW BARREL SECTION



PART ELAVATION OF NORTH EXTERIOR WALL SHOWING REINFORCEMENT

REINFORCEMENT AND RESIN ANCHOR SYSTEMS
IN TOP SLAB NOT SHOWN FOR CLARITY.





PART ELEVATION OF NORTH INTERIOR WALL SHOWING REINFORCEMENT

REINFORCEMENT AND RESIN ANCHOR SYSTEMS
IN TOP SLAB NOT SHOWN FOR CLARITY.

DETAILED MAY 2026
CHECKED JULY 2026

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

NORTH REPLACEMENT

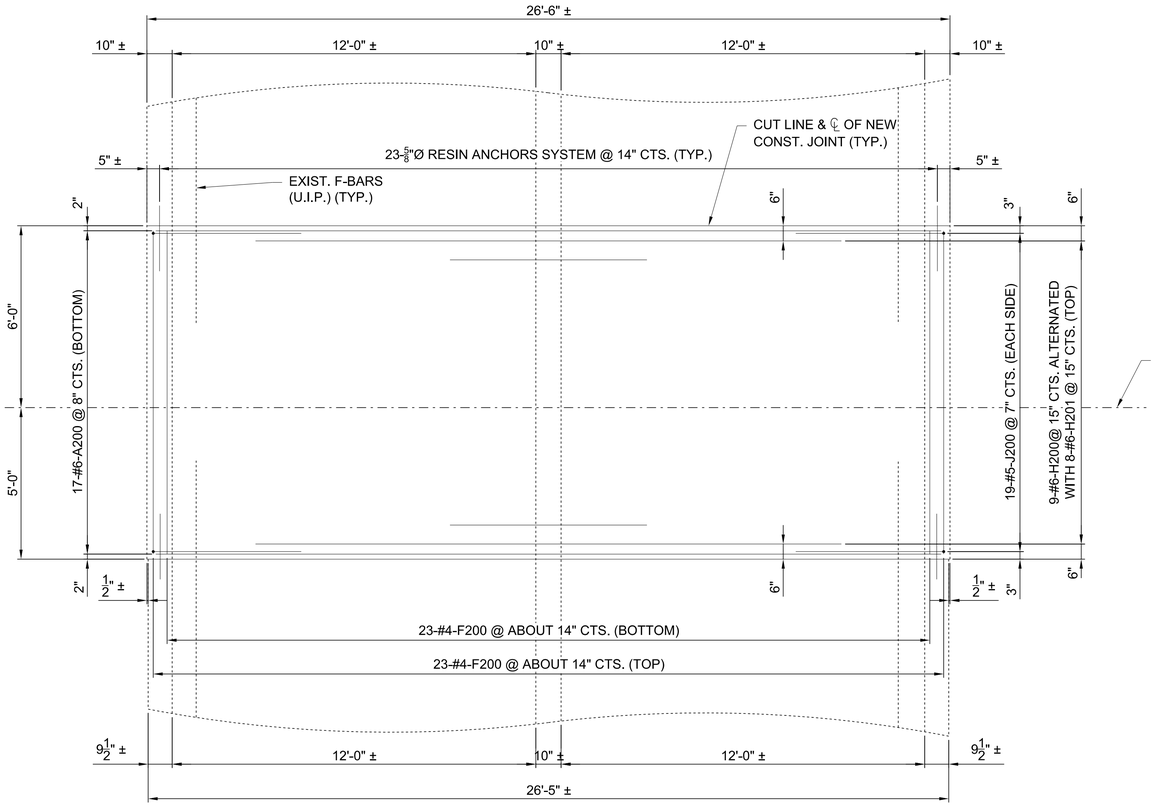
STATE OF MISSOURI
SEAN C. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 96 | STATE: MO
DISTRICT: BR | SHEET NO.: 3
COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: L04142

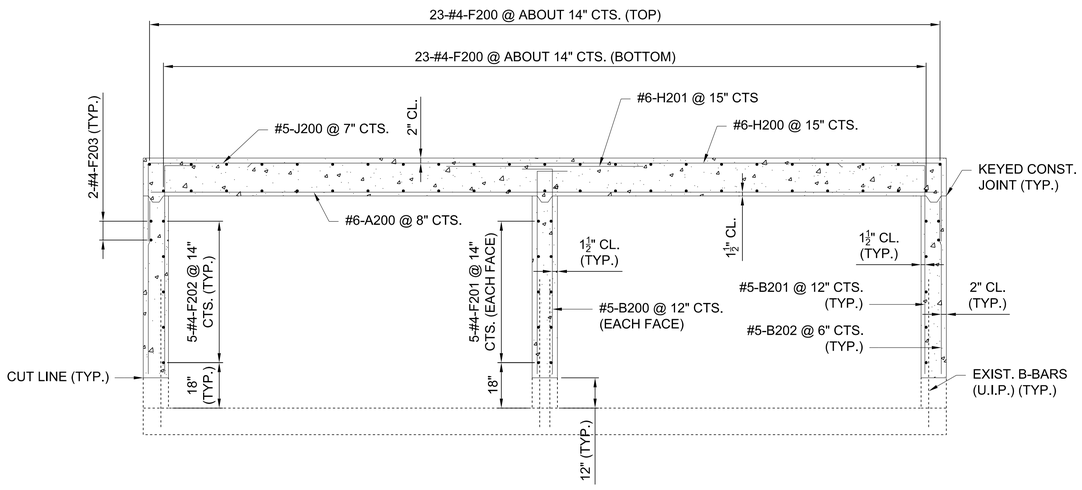
DESCRIPTION | DATE

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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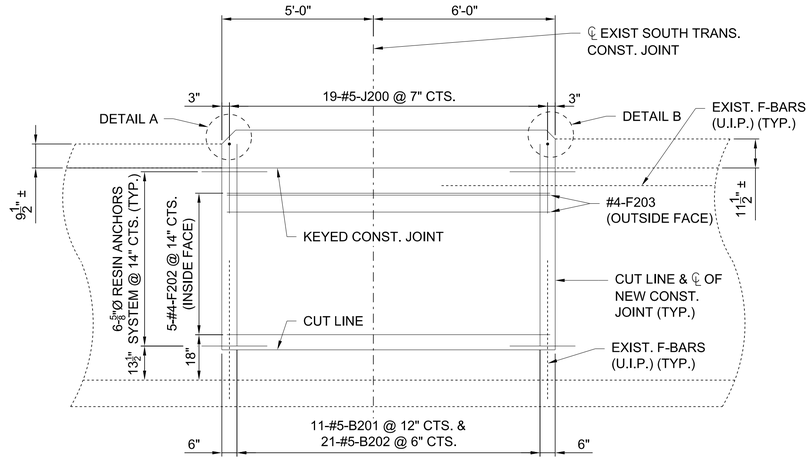


PART PLAN OF SOUTH TOP SLAB SHOWING REINFORCEMENT



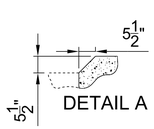
SOUTH SIDE NEW BARREL SECTION

NOTE: CONSTRUCTION JOINT KEY NOT SHOWN FOR CLARITY IN PART PLAN AND PART ELEVATIONS.

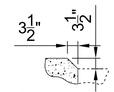


PART ELEVATION OF SOUTH EXTERIOR WALL SHOWING REINFORCEMENT

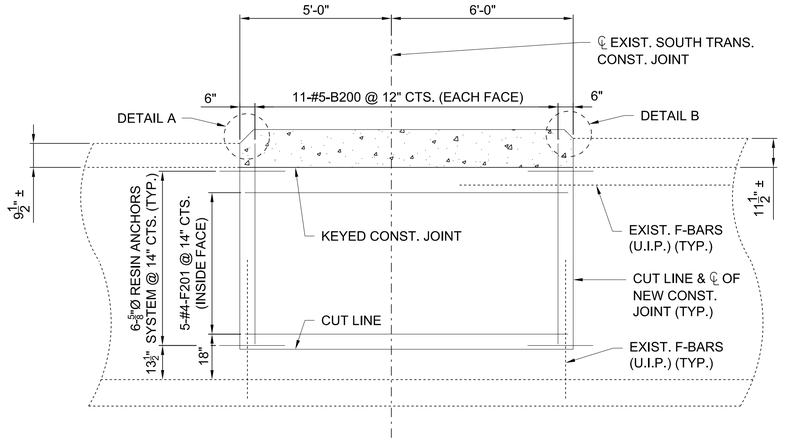
REINFORCEMENT AND RESIN ANCHOR SYSTEMS
IN TOP SLAB NOT SHOWN FOR CLARITY.



DETAIL A



DETAIL B



PART ELEVATION OF SOUTH INTERIOR WALL SHOWING REINFORCEMENT

REINFORCEMENT AND RESIN ANCHOR SYSTEMS
IN TOP SLAB NOT SHOWN FOR CLARITY.

DETAILED MAY 2026
CHECKED JULY 2026

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SOUTH REPLACEMENT

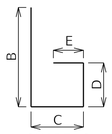
STATE OF MISSOURI
SEAN D. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED: 10/6/2026
ROUTE: 96 | STATE: MO
DISTRICT: BR | SHEET NO.: 4
COUNTY: JASPER
JOB NO.: JSR0060
CONTRACT ID.: -
PROJECT NO.: -
BRIDGE NO.: L04142

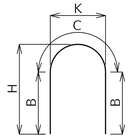
DESCRIPTION | DATE

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

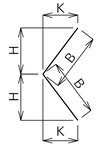
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.



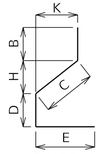
SHAPE 6 or 6S



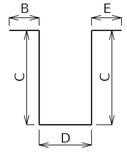
SHAPE 7



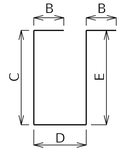
SHAPE 8 or 8S



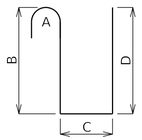
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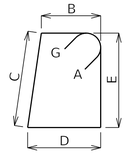
SHAPE 10 or 10S



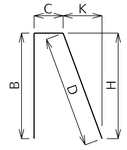
SHAPE 11 or 11S



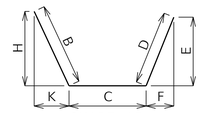
SHAPE 12



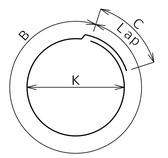
SHAPE 13S



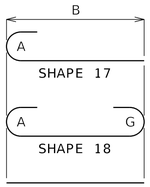
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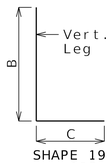
SHAPE 15 or 15S



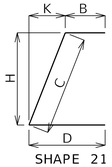
SHAPE 16



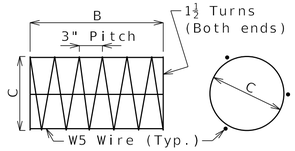
SHAPE 17
SHAPE 18
SHAPE 20



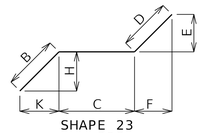
SHAPE 19 or 19S



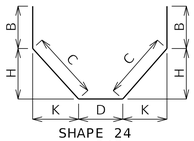
SHAPE 21 or 21S



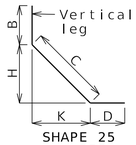
SHAPE 22



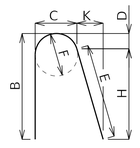
SHAPE 23 or 23S



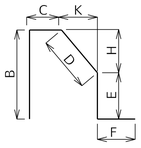
SHAPE 24 or 24S



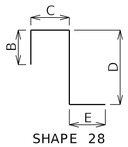
SHAPE 25 or 25S



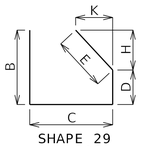
SHAPE 26



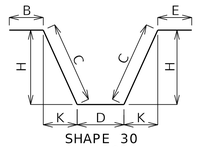
SHAPE 27S



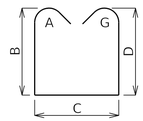
SHAPE 28 or 28S



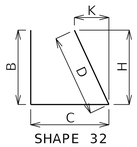
SHAPE 29 or 29S



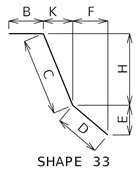
SHAPE 30 or 30S



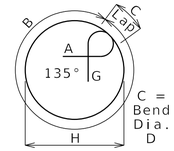
SHAPE 31S



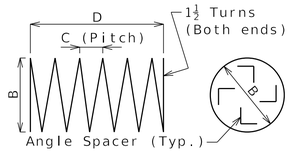
SHAPE 32 or 32S



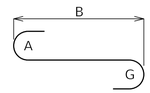
SHAPE 33 or 33S



SHAPE 34S



SHAPE 35 (1)

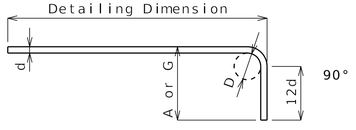


SHAPE 36

Finished Bend Diameters D and Hook Dimensions

Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3¾"	10"	7"	5"
#6	1	4½"	12"	8¼"	6"
#7	2	5¼"	14"	9¾"	7"
	3	7"	15"	11½"	8¾"
#8	2	6"	16"	11"	8"
	3	8"	17"	13¼"	10"
#9	1	9½"	19½"	15½"	11¾"
#10	1	10¾"	22"	17½"	13¼"
#11	1	12"	24½"	19½"	14⅞"
#14	1	18¼"	31¼"	27½"	21⅝"
#18	1	24"	41½"	36¾"	28½"

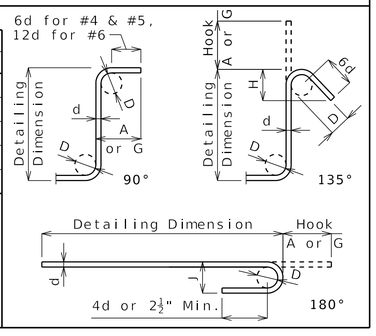


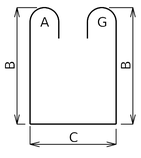
Stirrup Pin Bend Shapes (S)

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

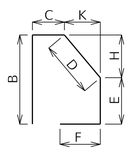
Applicable for all grades of steel.

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





SHAPE 37S



SHAPE 38S

BENDING DIAGRAMS

All dimensions are out to out.

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

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

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

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

Reinforcing Steel Totals

		Culvert			
		Units			Slip
	Size	Plain	Coated	Barrier	Form
By Size	W5	0	0	0	0
	4	935	0	0	0
	5	1,704	0	0	0
	6	1,889	0	0	0
	7	0	0	0	0
	8	0	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		4,528	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 C. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

DATE PREPARED 10/6/2026
ROUTE 96 | STATE MO
DISTRICT BR | SHEET NO. 5
COUNTY JASPER
JOB NO. JSR0060
CONTRACT ID. -
PROJECT NO. -
BRIDGE NO. L04142

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.

Bill of Reinforcing Steel

No. Req.	Size/ Mark	Location	Codes C	Codes SH	Codes V	Dimensions B ft	B in.	C ft	C in.	D ft	D in.	E ft	E in.	F ft	F in.	H ft	H in.	K ft	K in.	Nom. Length ft	Nom. Length in.	Actual Length ft	Actual Length in.	Weight lb
		North Section																						
		BARREL																						
15	6 A100	TOP SLAB		20		26	0.00													26	0	26	0	586
20	5 B100	INTERIOR WALL		19S		6	9.00	12.00												7	9	7	8	160
20	5 B101	EXTERIOR WALL		19S		6	10.00	12.00												7	10	7	9	162
38	5 B102	EXTERIOR WALL		20		5	8.00													5	8	5	8	225
46	4 F100	TOP SLAB		20		9	4.00													9	4	9	4	287
10	4 F101	INTERIOR WALL		20		9	4.00													9	4	9	4	62
10	4 F102	EXTERIOR WALL		20		9	4.00													9	4	9	4	62
4	4 F103	EXTERIOR WALL		20		9	4.00													9	4	9	4	25
8	6 H100	TOP SLAB		20		19	4.00													19	4	19	4	232
7	6 H101	TOP SLAB		20		6	6.00													6	6	6	6	68
34	5 J100	TOP SLAB		19S		2	7.00	4	11.00											7	6	7	5	263
		South Section																						
		BARREL																						
17	6 A200	TOP SLAB		20		26	0.00													26	0	26	0	664
22	5 B200	INTERIOR WALL		19S		6	9.00	12.00												7	9	7	8	176
22	5 B201	EXTERIOR WALL		19S		6	10.00	12.00												7	10	7	9	178
42	5 B202	EXTERIOR WALL		20		5	8.00													5	8	5	8	248
46	4 F200	TOP SLAB		20		10	8.00													10	8	10	8	328
10	4 F201	INTERIOR WALL		20		10	8.00													10	8	10	8	71
10	4 F202	EXTERIOR WALL		20		10	8.00													10	8	10	8	71
4	4 F203	EXTERIOR WALL		20		10	8.00													10	8	10	8	29
9	6 H200	TOP SLAB		20		19	4.00													19	4	19	4	261
8	6 H201	TOP SLAB		20		6	6.00													6	6	6	6	78
38	5 J200	TOP SLAB		19S		2	7.00	4	11.00											7	6	7	5	294

Bill of Reinforcing Steel

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

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

For bending diagrams and steel reinforcing totals, see Sheet No. 5.

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

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

SH = Required shape, see bending diagrams.

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

Detailed October 2026
Checked October 2026

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

BILL OF REINFORCING STEEL

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

DATE PREPARED
10/6/2026

ROUTE	STATE
96	MO

DISTRICT	SHEET NO.
BR	6

COUNTY
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