

DESIGN DESIGNATION

A.D.T. - 2028 = 10,500 (I-470 RAMPS)
21,500 (ROUTE 40)
9,500 (LITTLE BLUE PARKWAY)

A.D.T. - 2048 = 12,500 (I-470 RAMPS)
26,000 (ROUTE 40)
11,500 (LITTLE BLUE PARKWAY)

D.H.V. = 9% (I-470 RAMPS)
11% (ROUTE 40)
9% (LITTLE BLUE PARKWAY)

T = 6% (I-470 RAMPS)
2% (ROUTE 40)
4% (LITTLE BLUE PARKWAY)

D = 50%/50% (ROUTE 40)
56%/44% (LITTLE BLUE PARKWAY)

V = 50 M.P.H. (I-470 RAMPS)
45 M.P.H. (ROUTE 40)
40 M.P.H. (LITTLE BLUE PARKWAY)

FUNCTIONAL CLASSIFICATION-
INTERSTATE (I-470)
PRINCIPAL ARTERIAL (ROUTE 40)
MAJOR COLLECTOR/EXPRESSWAY (LITTLE BLUE PARKWAY)

KEY MAP

LOCATION OF JACKSON COUNTY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

JACKSON COUNTY

NOT TO SCALE

SECTION 29

T49N,R31W

JOB NO. JKU0066

ROUTE 40 OPERATION AND SAFETY IMPROVEMENTS

PROJECT LENGTH = 4,730.57 FT.
(0.896 MILES)

BEGIN PROJECT LOG MILE 240.143
WB RTE 40 STA. 489+82.00

STA. 512+73.00 BK.=
STA. 326+22.48 AHD

END PROJECT LOG MILE 239.247
STA. 350+62.05
WB RTE 40

CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A CONTROLLED ACCESS HIGHWAY, BETWEEN STA. 503+10.00 (EB ROUTE 40) TO STA. 326+29.48 R2 (WB ROUTE 40) 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 OF A 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)

BUILDINGS AND STRUCTURES

GUARD RAIL

GUARD CABLE

CONCRETE RIGHT-OF-WAY MARKER

STEEL RIGHT-OF-WAY MARKER

LOCATION SURVEY MARKER

UTILITIES

FIBER OPTICS

OVERHEAD CABLE TV

UNDERGROUND CABLE TV

OVERHEAD TELEPHONE

UNDERGROUND TELEPHONE

OVERHEAD POWER

UNDERGROUND POWER

SANITARY SEWER

STORM SEWER

GAS

WATER

MANHOLE

FIRE HYDRANT

WATER VALVE

WATER METER

DROP INLET

DITCH BLOCK

GROUND MOUNTED SIGN

LIGHT POLE

H-FRAME POWER POLE

TELEPHONE PEDESTAL

FENCE

CHAIN LINK

WOVEN WIRE

GATE POST

BENCHMARK

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

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A9789-----

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1

A46371-----

1

A59701-----

1-5

LENGTH OF PROJECT

WB ROUTE 40

BEGINNING OF PROJECT STA. 489+82.00

END OF PROJECT STA. 350+62.05

APPARENT LENGTH -13,919.95 FEET

EQUATIONS AND EXCEPTIONS:

EQ STA 512+73.00 BK= 18,650.52 FEET

STA. 326+22.48 AHD

TOTAL CORRECTIONS 18,650.52 FEET

NET LENGTH OF PROJECT 4,730.57 FEET

STATE LENGTH 0.896 MILES

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES 1 ACRE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

DATE PREPARED 6/30/2026

ROUTE 40

STATE MO

DISTRICT KC

SHEET NO. 1

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

DESCRIPTION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

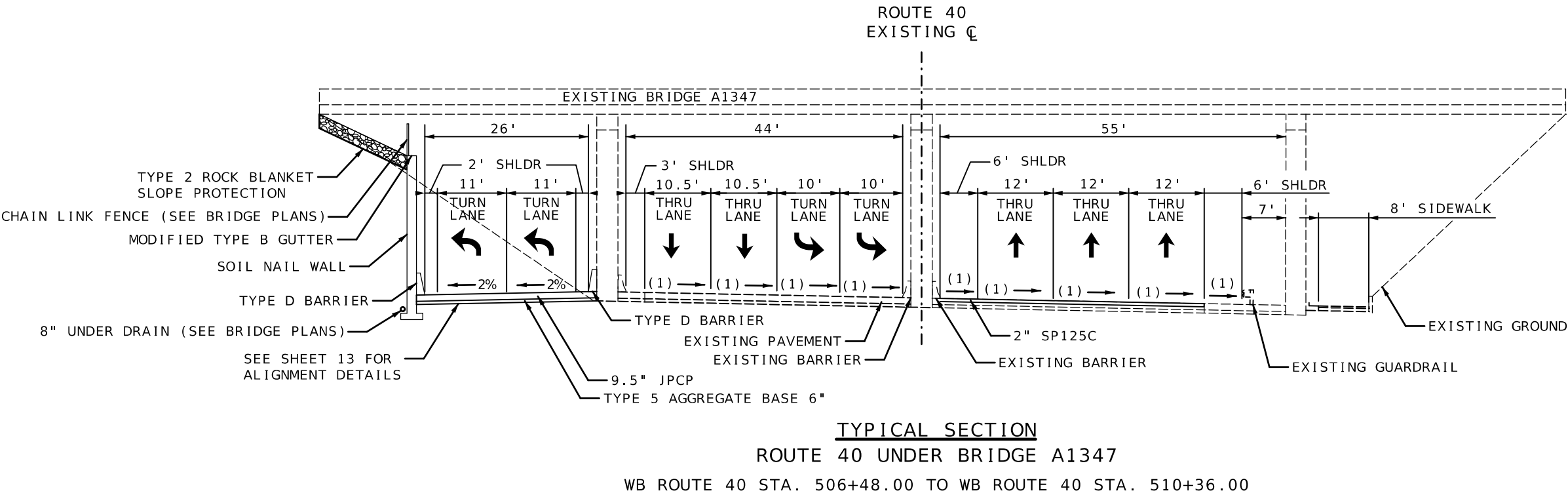
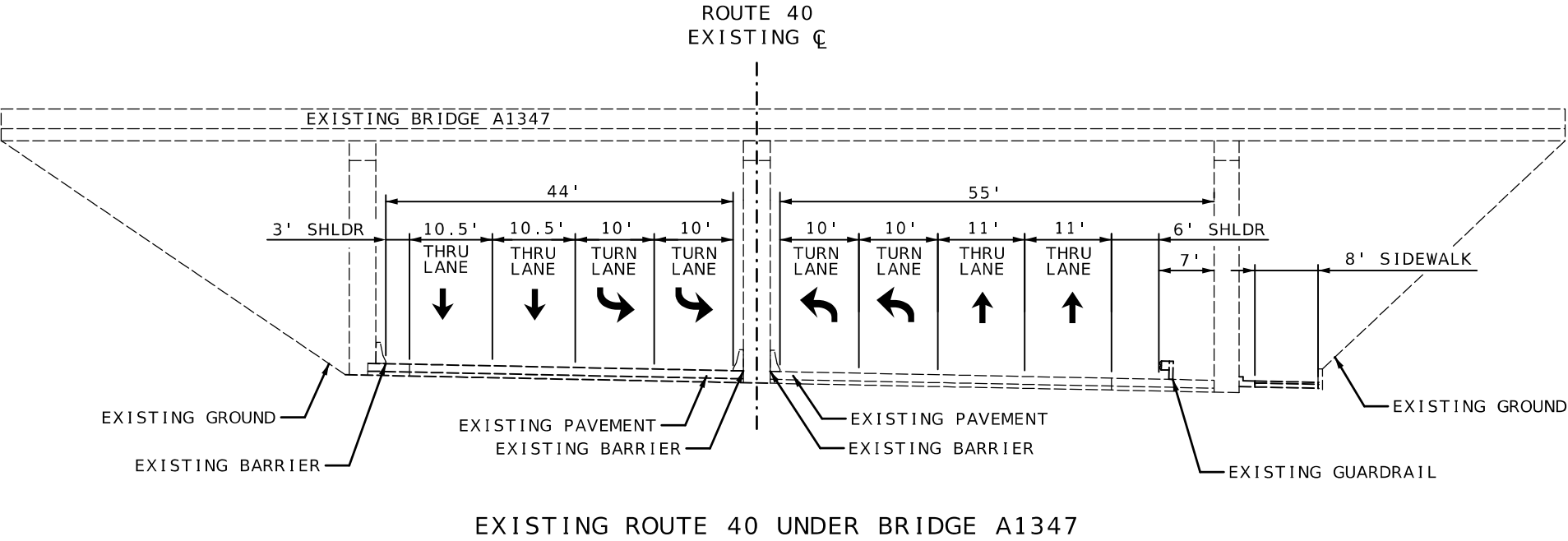
GARVER, LLC. 7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090

GARVER

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NOT TO SCALE

(1) MATCH EXISTING



DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
2

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

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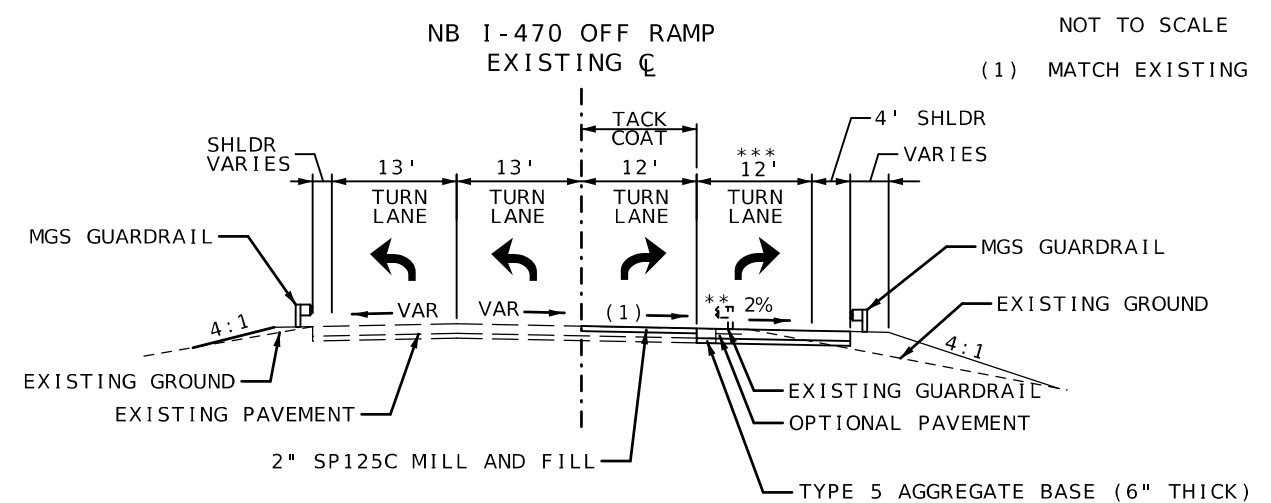
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TYPICAL SECTION SHEET
SHEET 2 OF 13



NB I-470 OFF RAMP STA. 7+00.00 TO NB I-470 OFF RAMP STA. 10+75.32

SB I-470 OFF RAMP STA. 6+44.00 TO SB I-470 OFF RAMP STA. 9+83.56



WB ROUTE 40 STA. 501+10.19 TO WB ROUTE 40 STA. 506+27.15

TYPICAL SECTION SHEET
SHEET 3 OF 13



NOT TO SCALE



EAST VALLEY VIEW PARKWAY STA. 10+11.03 TO STA. 11+22.64

TYPICAL SECTION

ROUTE 40 EAST OF VALLEY VIEW PARKWAY

WB ROUTE 40 STA. 332+00.00 R2 TO WB ROUTE 40 STA. 338+15.20 R2

AL SHEET NO.19
DENING

IAL SHEET NO.19
ENGTH WIDENING

WB ROUTE 40
EXISTING $\varnothing$

EB ROUTE 40
EXISTING $\varnothing$

USE EXIST. 2' TYPE
CG-1 CURB AND GUTTER

5' SIDEWALK

VAR.

VAR. TURN LANE

11' THRU LANE

11' THRU LANE

11' THRU LANE

2' VAR. 2'

11' TURN LANE

11' TURN LANE

11' TURN LANE

11' THRU LANE

11' THRU LANE

11' TURN LANE

USE EXIST. 2' TYPE
CG-1 CURB AND GUTTER

EXISTING GROUND

EXISTING PAVEMENT

11.5" HMA

2" SP125C MILL AND FILL

TYPE 5 AGGREGATE BASE 6"

4% SLOPED SHOULDER

8" CONCRETE MEDIAN STRIP

11.5" HMA

TYPE 5 AGGREGATE BASE 6"

4% SLOPED SHOULDER

2" SP125C MILL AND FILL

LIMITS OF TACK COAT

EXISTING GROUND

TYPICAL SECTION

ROUTE 40 WEST OF VALLEY VIEW PARKWAY

WB ROUTE 40 STA. 512+37.14 TO WB ROUTE 40 STA. 331+13.00 R2

TYPICAL SECTION SHEET
SHEET 4 OF 13



DATE PREPARED
6/8/2026

ROUTE	STATE
40	MO

DISTRICT	SHEET NO
KC	2

COUNTY
JACKSON

JOB NO.
IKU0066

JK000000
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

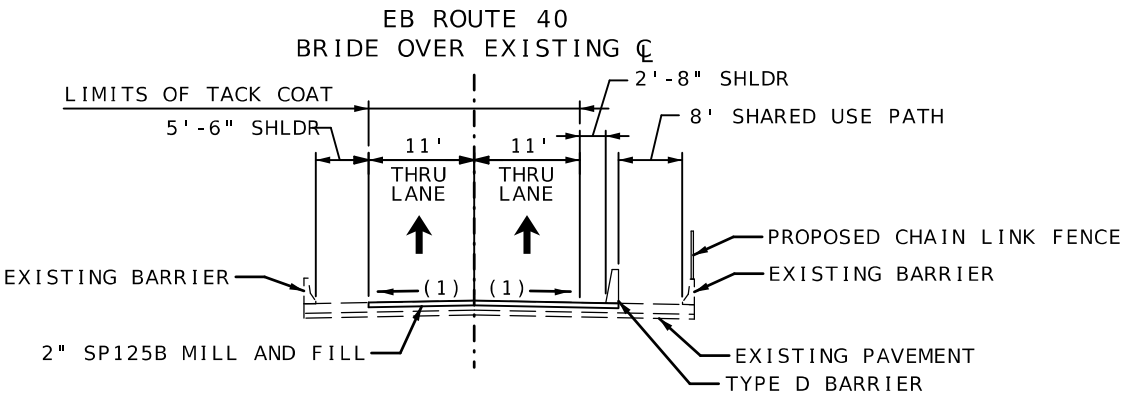
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

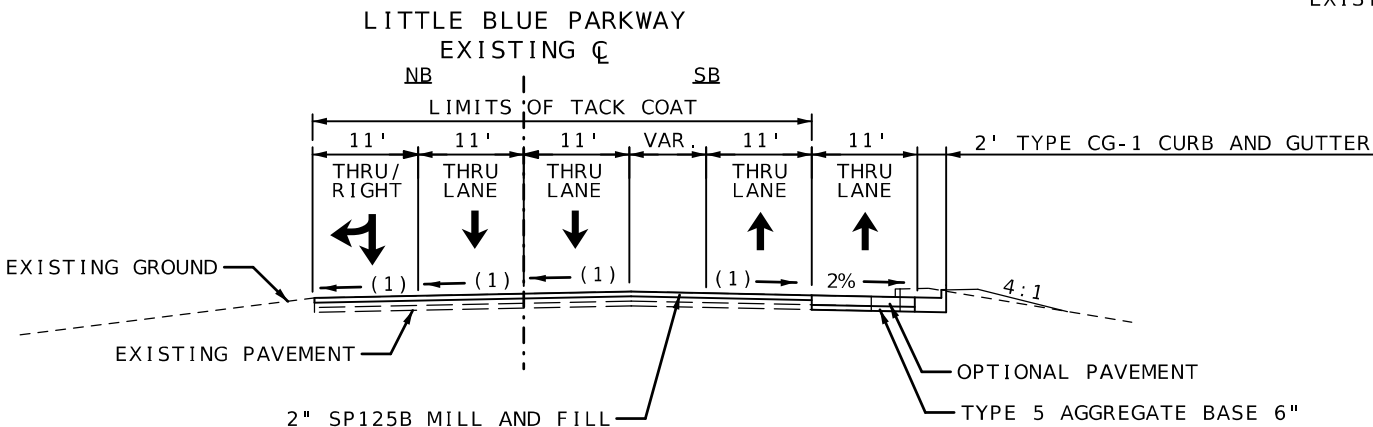
GARVER, LLC.
77509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



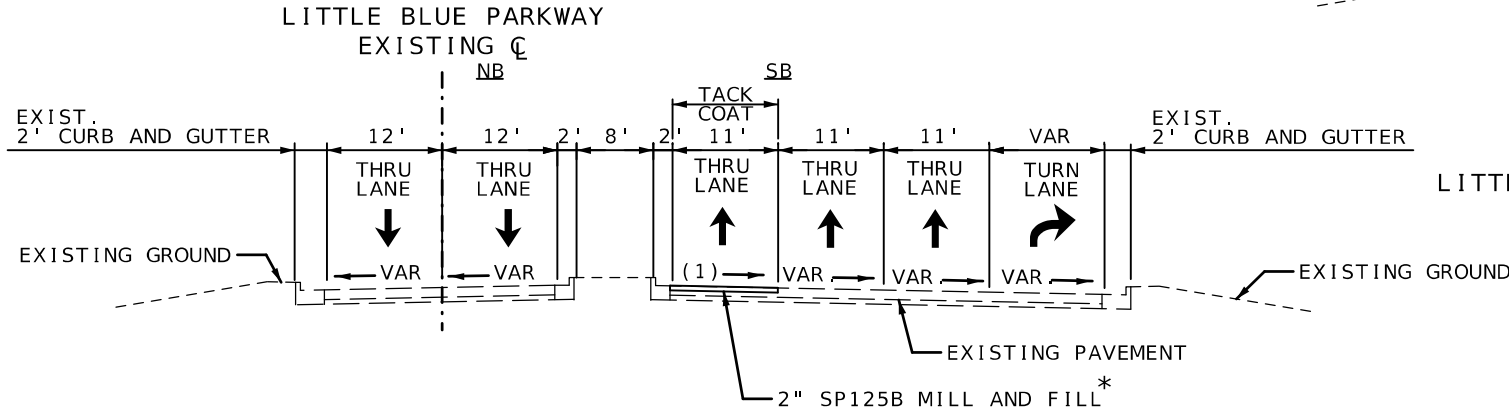
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(1) MATCH EXISTING



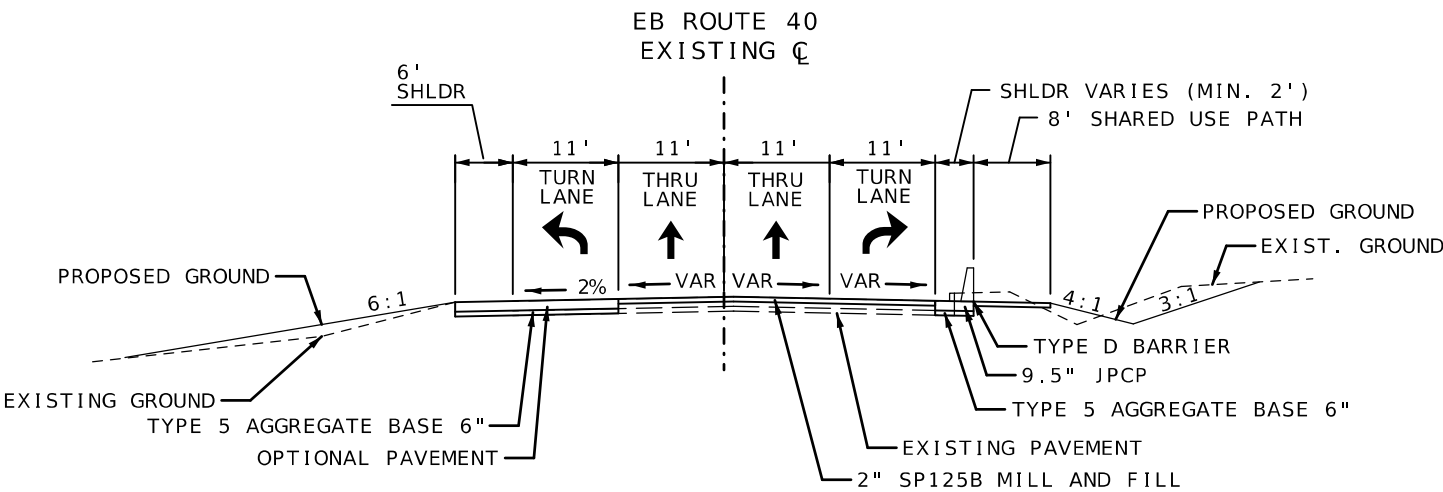
TYPICAL SECTION
US40 EASTBOUND BRIDGE OVER LITTLE BLUE RIVER
BRIDGE NO. A5970
EB ROUTE 40 STA. 524+23.31 TO EB ROUTE 40 STA. 527+76.41



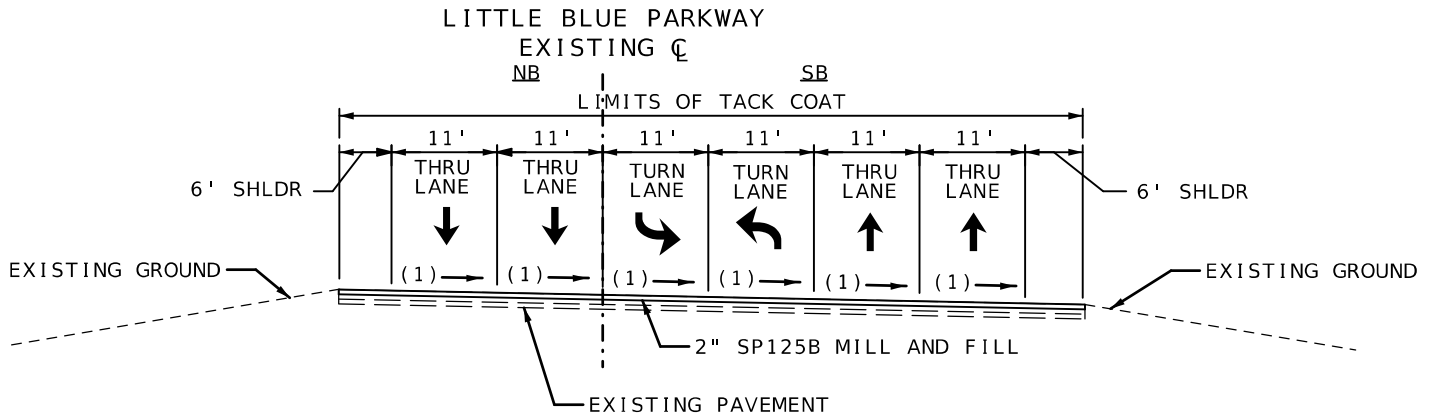
TYPICAL SECTION
LITTLE BLUE PARKWAY SOUTH OF ROUTE 40
LITTLE BLUE PARKWAY STA. 11+73.10 TO LITTLE BLUE PARKWAY STA. 17+06.45



TYPICAL SECTION
LITTLE BLUE PARKWAY NORTH OF ROUTE 40
LITTLE BLUE PARKWAY STA. 6+31.53 TO LITTLE BLUE PARKWAY STA. 9+32.90



TYPICAL SECTION
EB ROUTE 40 WEST OF LITTLE BLUE PARKWAY
EB ROUTE 40 STA. 527+76.41 TO EB ROUTE 40 STA. 533+22.00



TYPICAL SECTION
LITTLE BLUE PARKWAY AND ROUTE 40 INTERSECTION
LITTLE BLUE PARKWAY STA. 10+00.00 TO LITTLE BLUE PARKWAY STA. 11+05.00

*STA 7+90.30, END MILL AND FILL
AT CONCRETE JOINT. SEE SHEET 9.



DATE PREPARED
6/8/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 2

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

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

GARVER, LLC.

7509 NW TIFFANY SPRINGS

PARKWAY, SUITE 200

KANSAS CITY, MO 64153

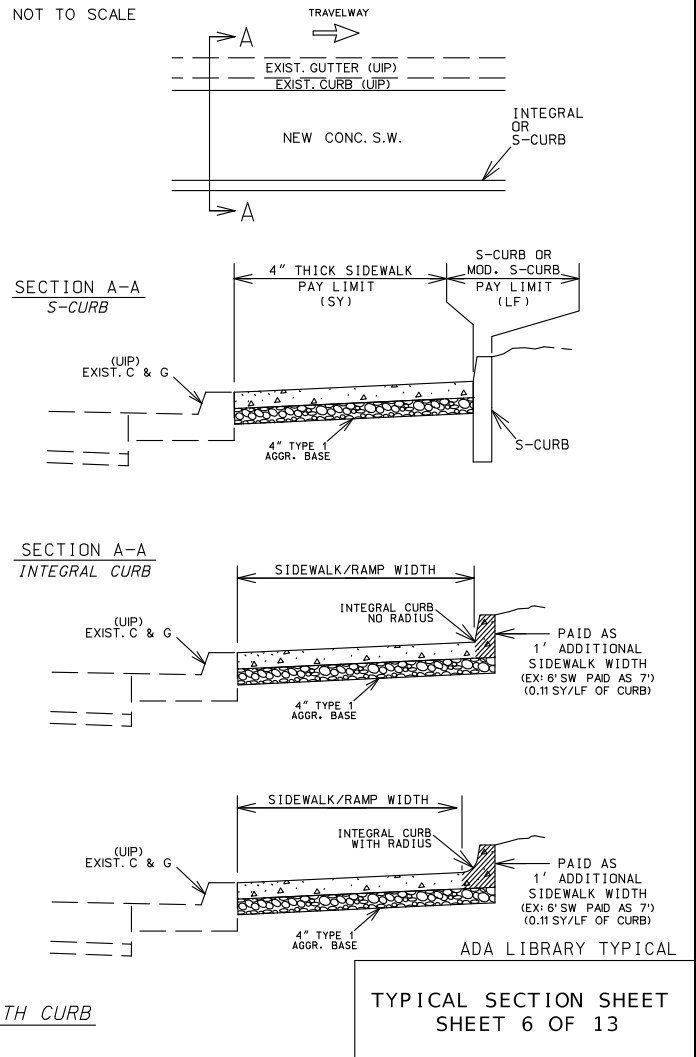
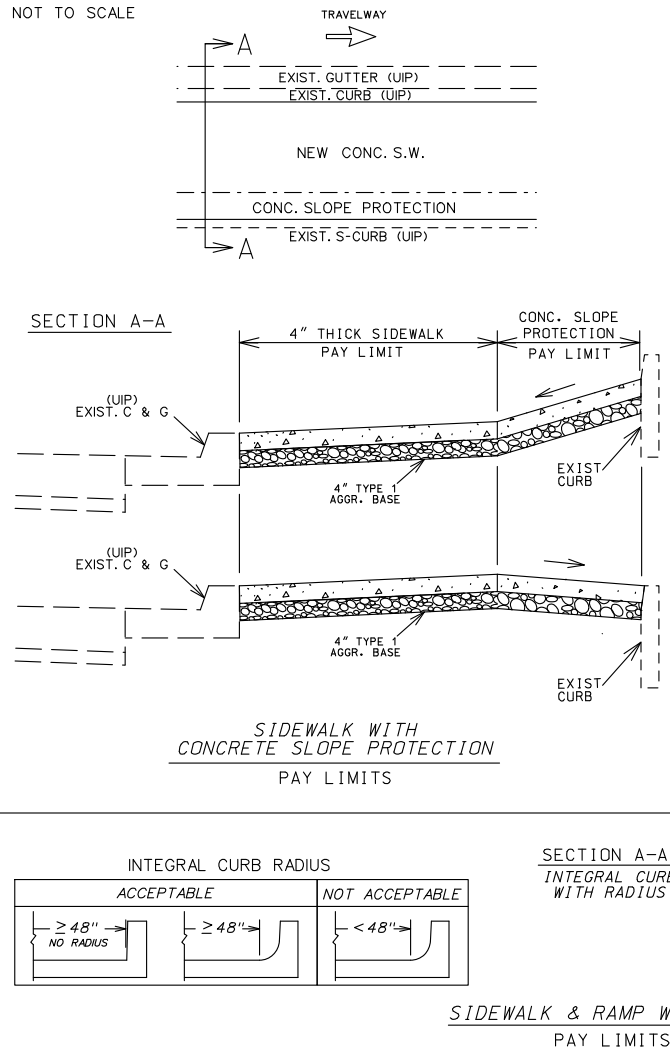
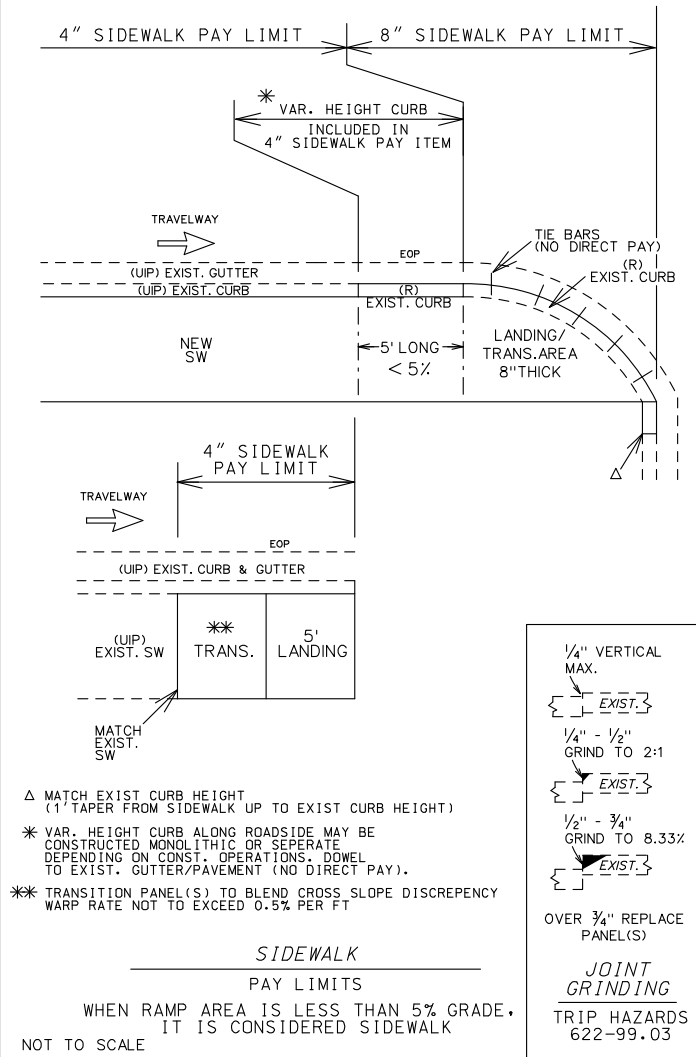
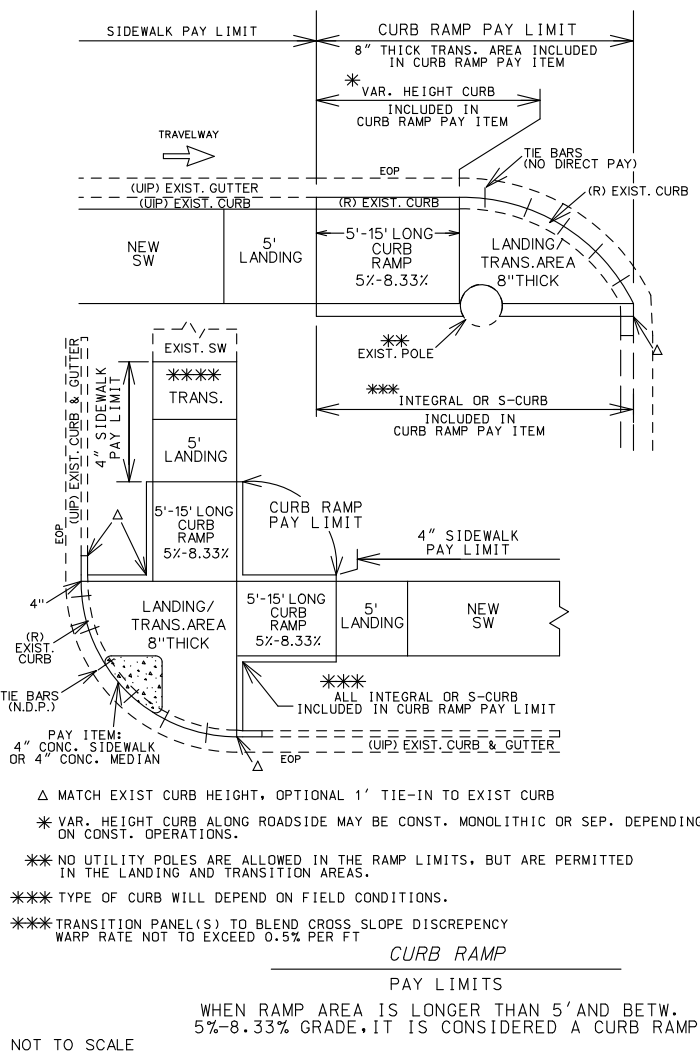
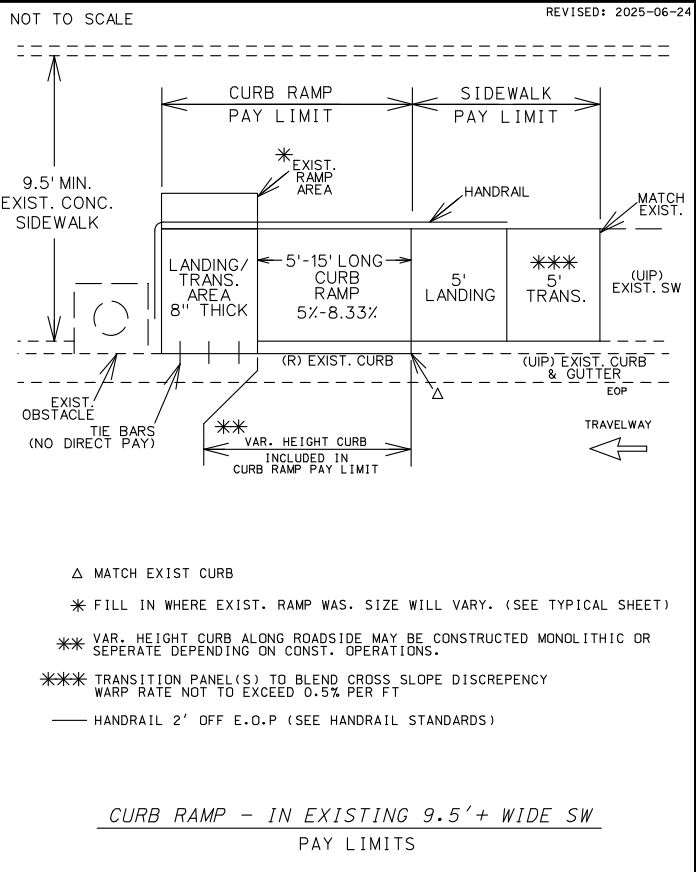
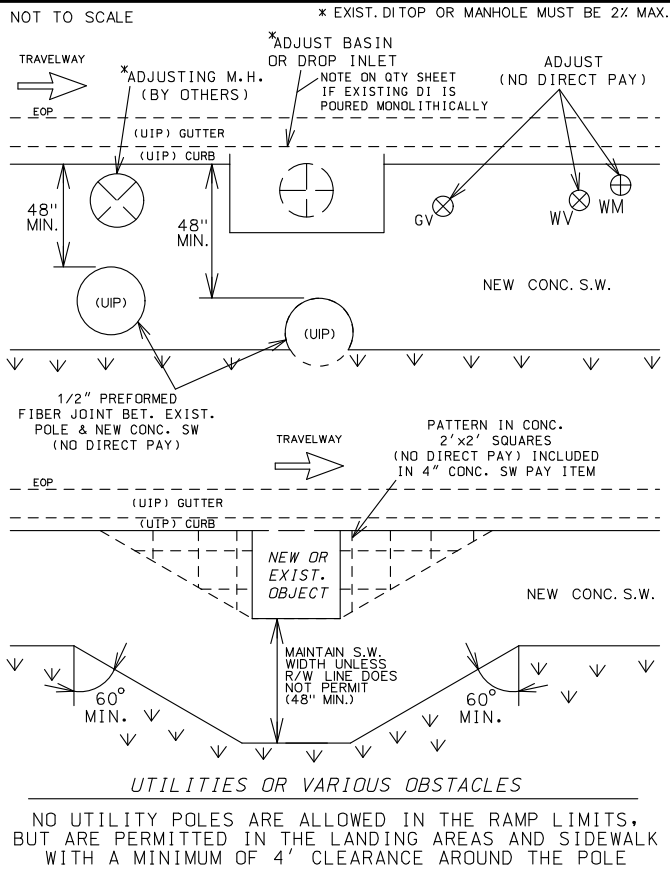
PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY

NO. 2008013090

GARVER

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.



STATE OF MISSOURI
MARK C. GARVER
REGISTERED PROFESSIONAL ENGINEER
NO. 0000000000
EXPIRATION DATE 12/31/2025

DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
2

COUNTY
JACKSON

JOB NO.
JKU0066

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)

GARVER, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER

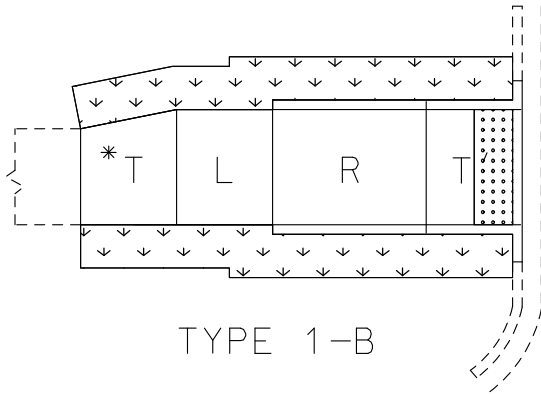
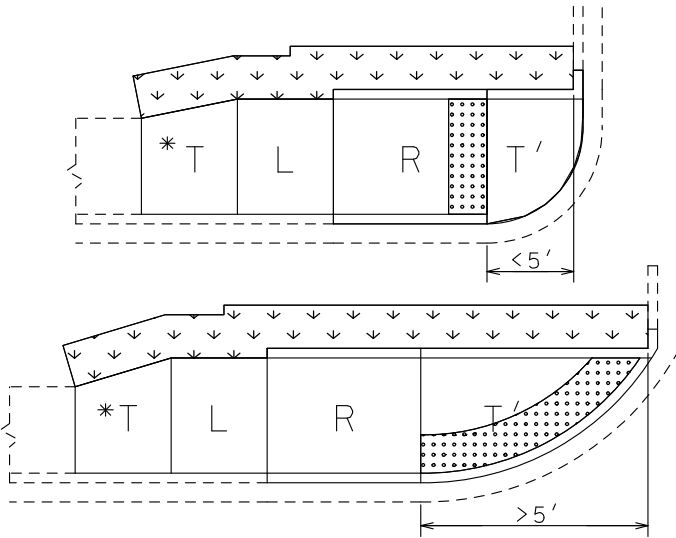
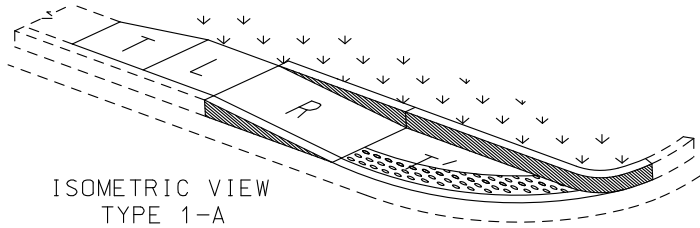
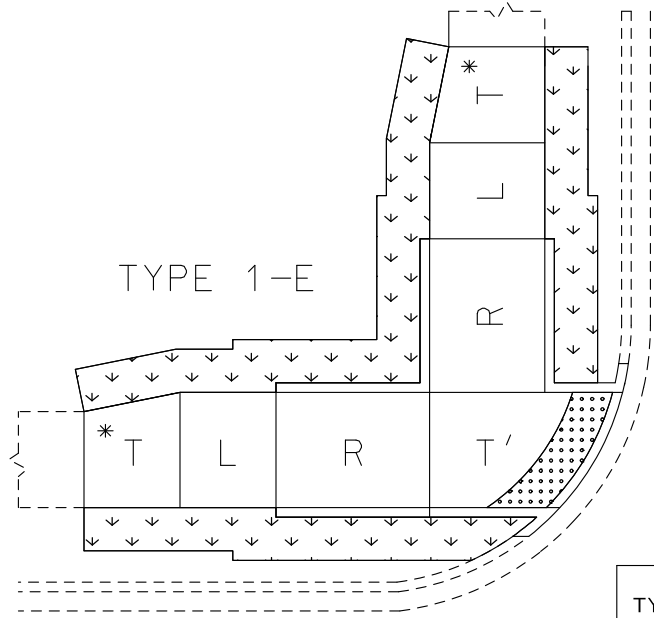
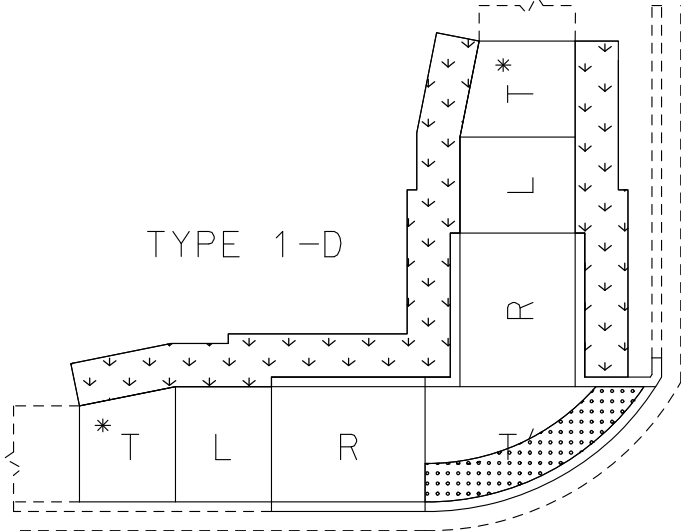
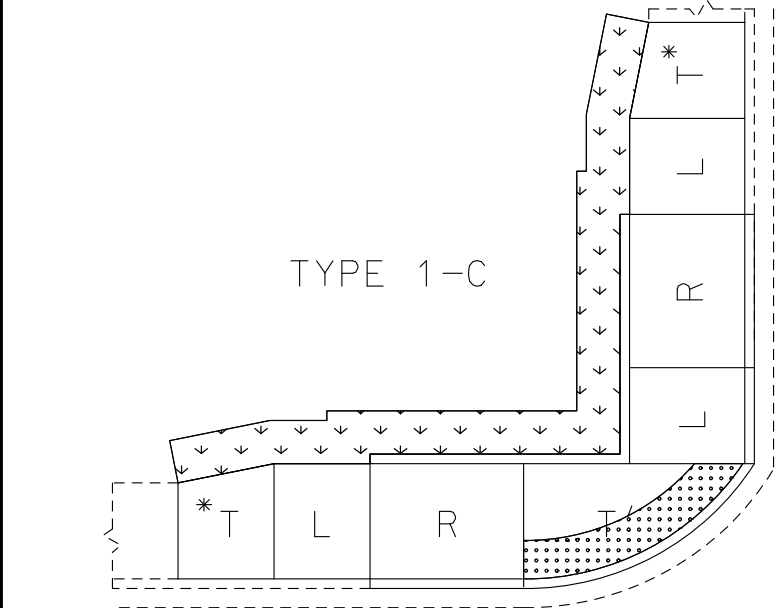
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LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0	
CURB RAMP	SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3	
CONC. SIDEWALK	SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	16.5	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	



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 PREFERRED 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.

REVISED: 2025-05-30



DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
2

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

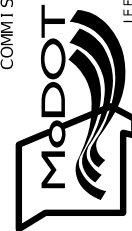
PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR
CURB RAMPS

TYPICAL SECTION SHEET
SHEET 7 OF 13

PARALLEL - TYPE 2											
TYPE 2-A											
LENGTH (LF) WIDTH (LF)		8			12			16			REMARKS
		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	

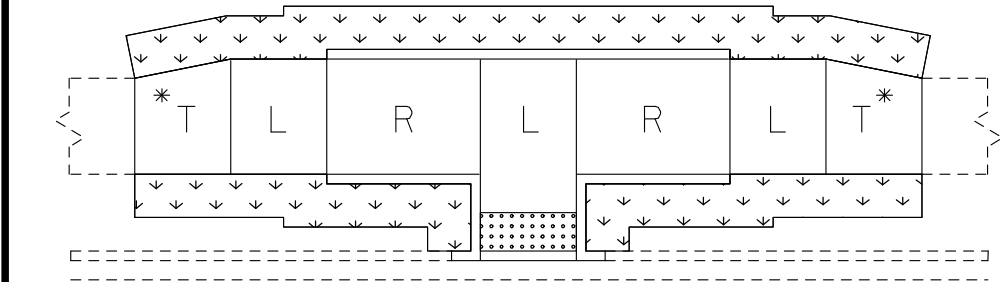
TYPE 2-B											
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	17.4	19.7	-	19.4	22.1	-	22.1	25.2	
ADA 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)	WIDTH (LF)	8			12			16			REMARKS
			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	

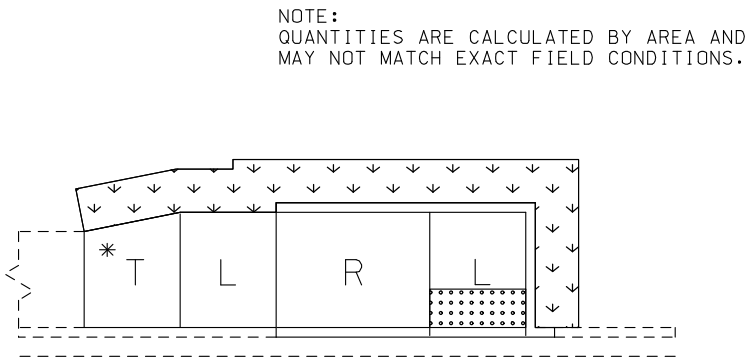
TYPE 2-D												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0		-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	16.8	19.2		-	22.2	25.4	-	27.5	31.6	
CONC. SIDEWALK	SY	-	11.2	12.8		-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	28.0	32.0		-	32.0	36.8	-	37.3	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)	WIDTH (LF)	8			12			16			REMARKS
			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	

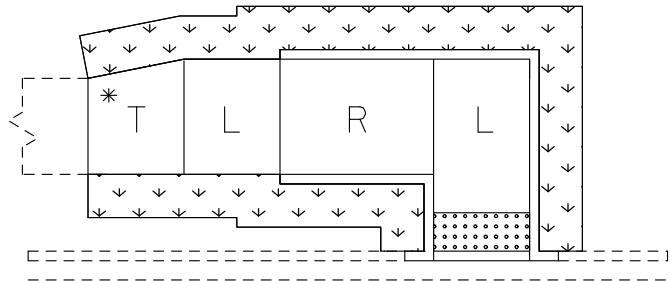
TYPE 2-F												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	15.5	17.1	-	20.4	23.1	-	25.5	28.9		
CONC. SIDEWALK	SY	-	11.2	13.4	-	10.0	12.0	-	10.0	12.0		
TYPE 1 AGGREGATE	SY	-	26.7	30.5	-	30.4	35.1	-	35.5	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	



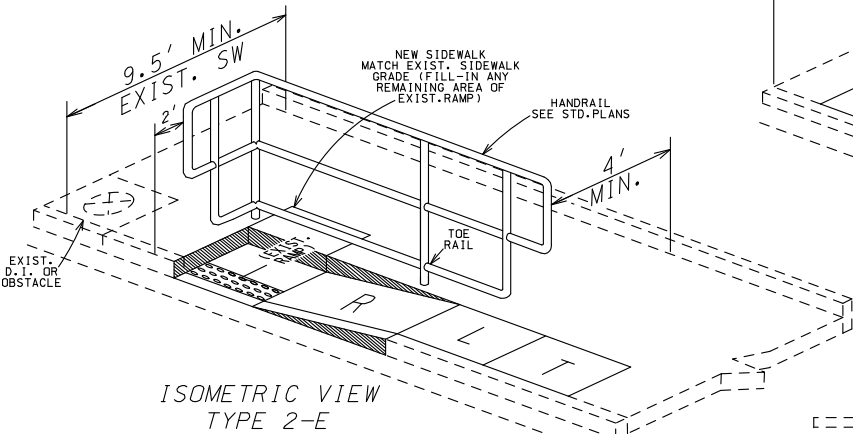
TYPE 2-D



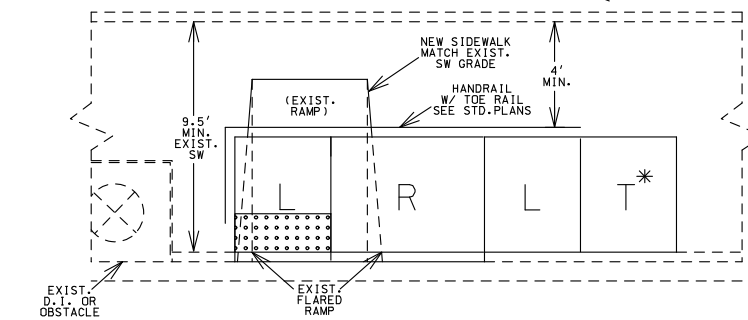
TYPE 2-A



TYPE 2-B



ISOMETRIC VIEW
TYPE 2-E



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

** 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 DOME

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

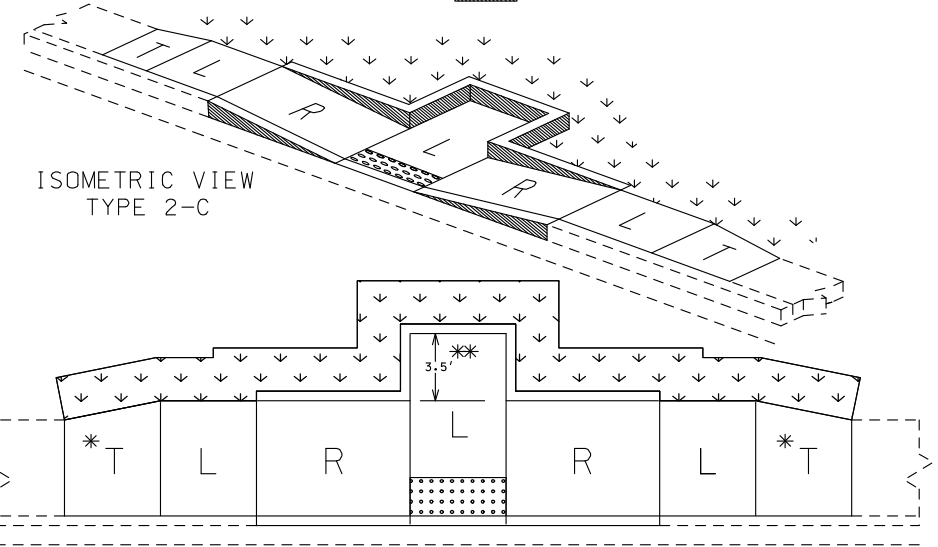
T - TRANSITION TO EXISTING SW
* - T IS STILL NEEDED EVEN IF THE
EXISTING SIDEWALK IS THE SAME
WIDTH AS THE NEW SIDEWALK. (IT
WILL BLEND THE EXIST XSLOPE
INTO THE NEW LANDING XSLOPE)

L - LANDING

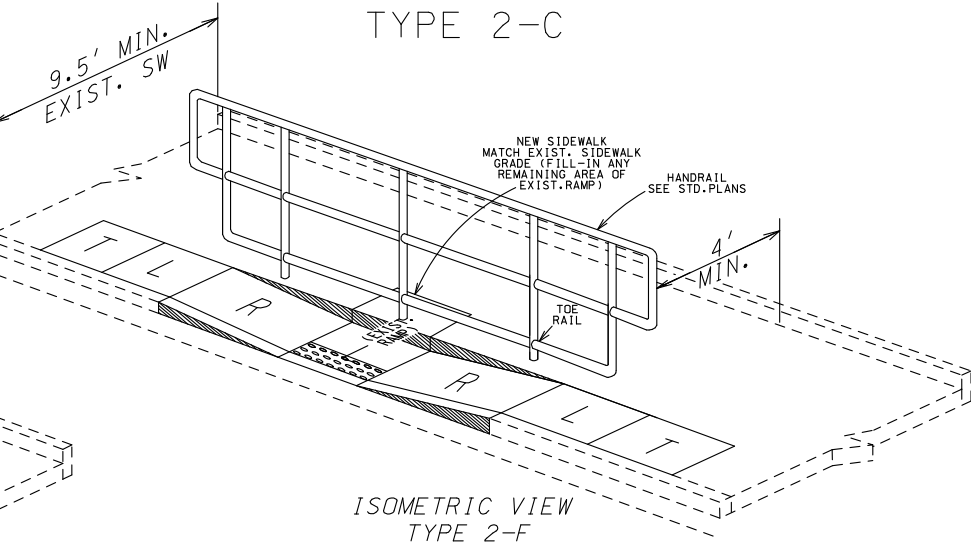
R - RAMP

----- SOD SLOPE 6:1 MIN.

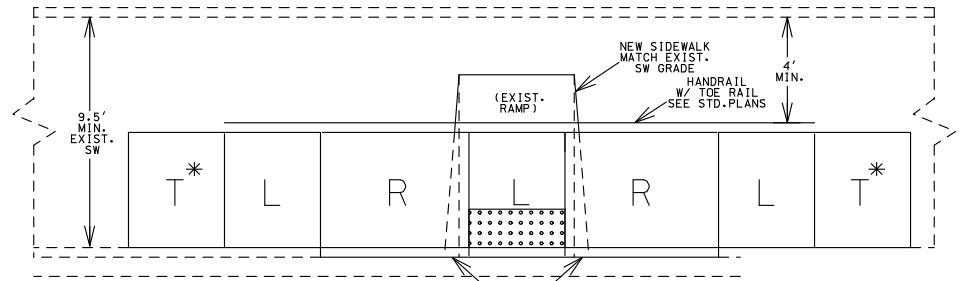
----- CURB RAMP PAY LIMITS



TYPE 2-C



ISOMETRIC VIEW
TYPE 2-F



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL
CURB RAMPS

TYPICAL SECTION SHEET
SHEET 8 OF 13

REVISED: 2025-05-30



DATE PREPARED

6/8/2026

ROUTE

40 MO

DISTRICT

KC 2

COUNTY

JACKSON

JOB NO.

JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



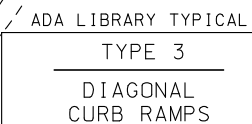
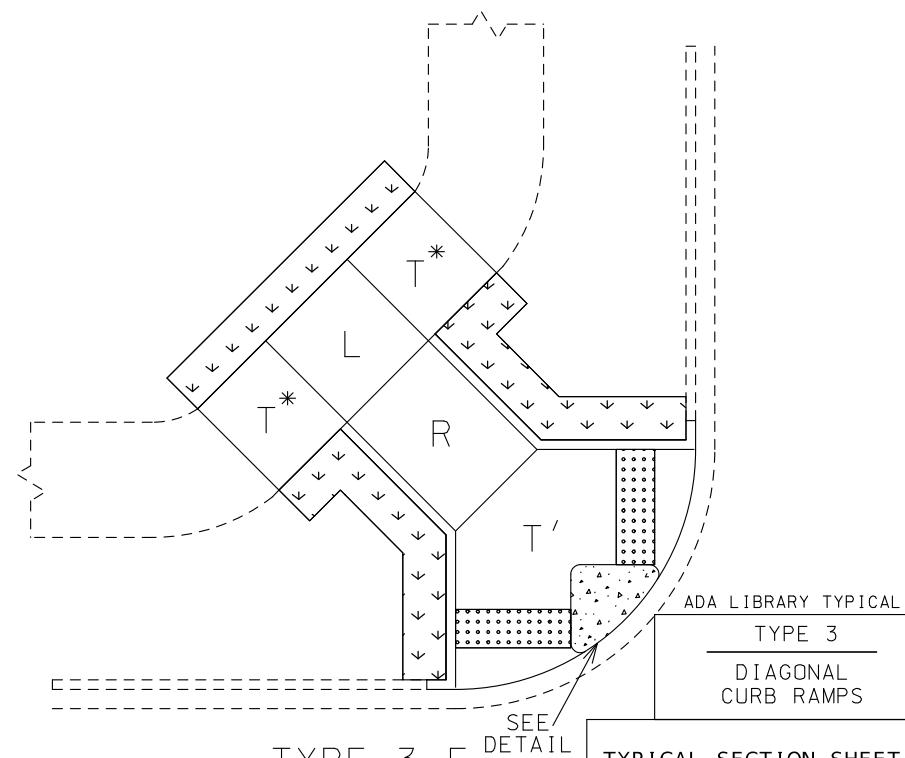
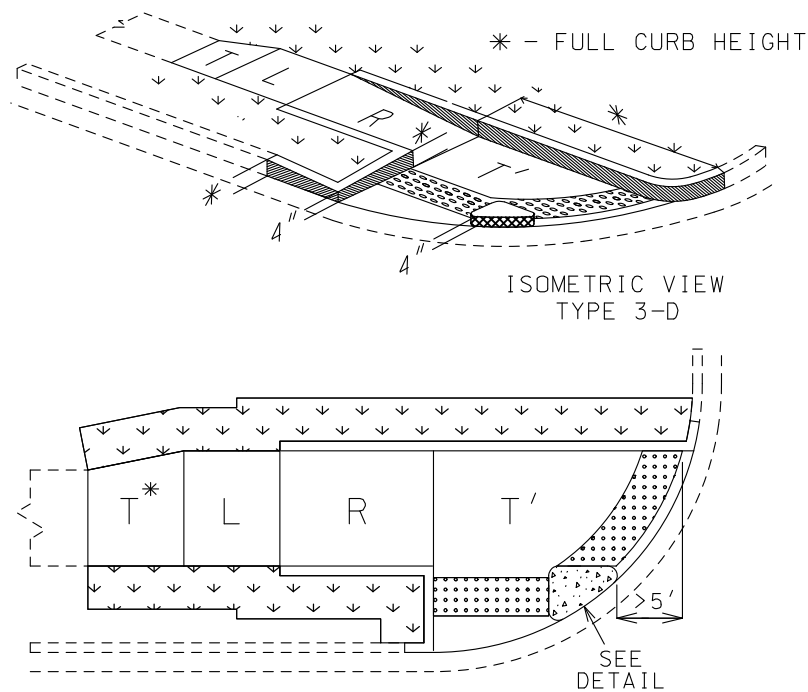
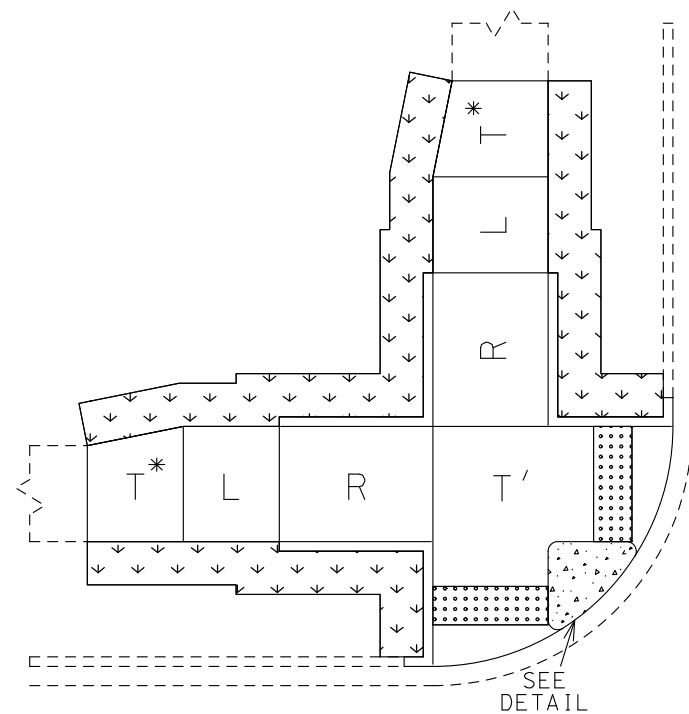
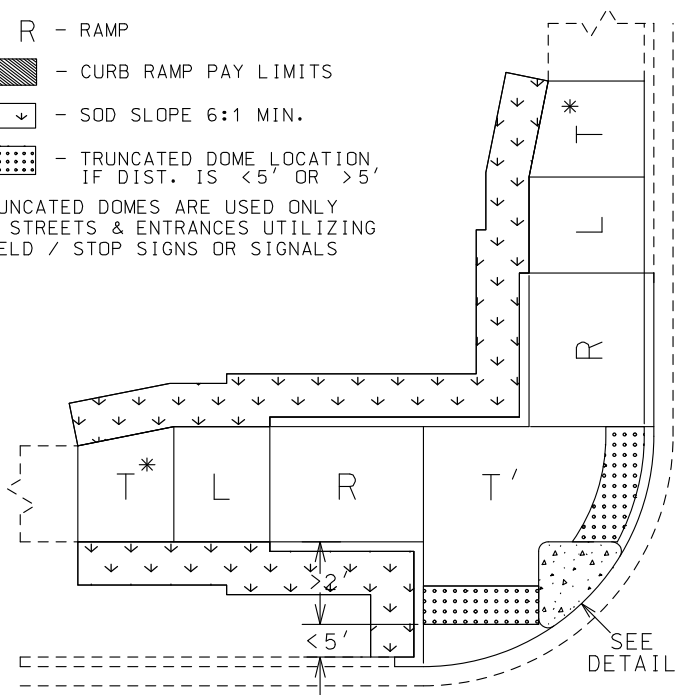
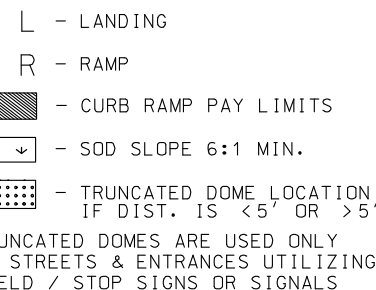
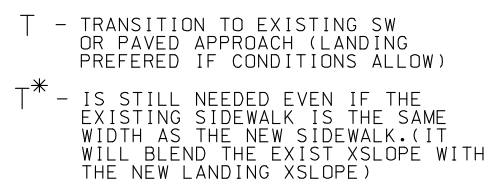
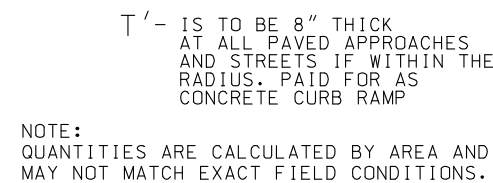
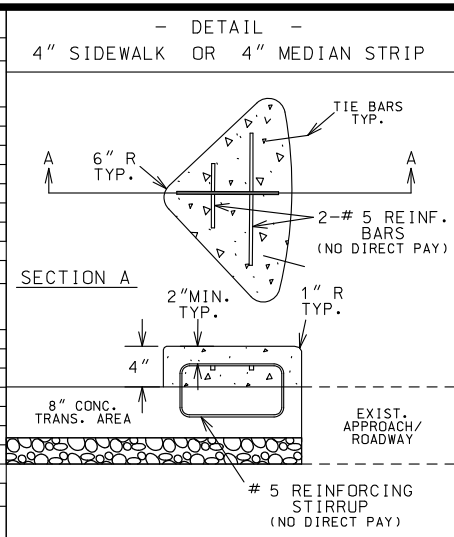
DIAGONAL - TYPE 3											
TYPE 3-A											
LENGTH (LF) WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP	SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	35.6	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) WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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) WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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											REMARKS
LENGTH (LF)		8			12			16			
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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										REMARKS	
LENGTH (LF)	8			12			16				
WIDTH (LF)	4	5	6	4	5	6	4	5	6		
TRUNCATED DOME	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	



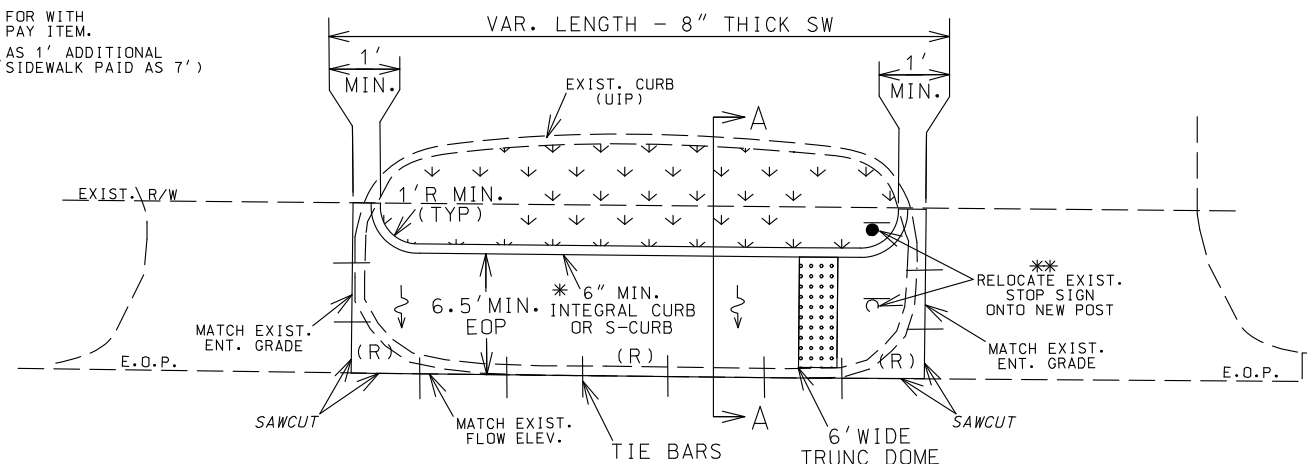
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK 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
THE 8" CONC. SIDE
INTEGRAL CURB IS
SIDEWALK WIDTH (E
(0.11 SY/LF OF CU

* 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)

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

8" THICK

[illegible]

NOT TO SCALE

Diagram illustrating the cross-section of a curb and gutter assembly. The components and dimensions shown are:

- EXIST. PARKING LOT (UIP)
- 4:1 OR FLATTER
- 8" THICK 6' WIDE MIN.
- MATCH EXIST. FLOW ELEV.
- 8" THICK
- GUTTER
- *INTEGRAL CURB
- EXIST. E.O.P.

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)

NOT TO SCALE

NOT TO SCALE

X-SLOPE 2% MAX, CONSTRUCT TO DRAIN

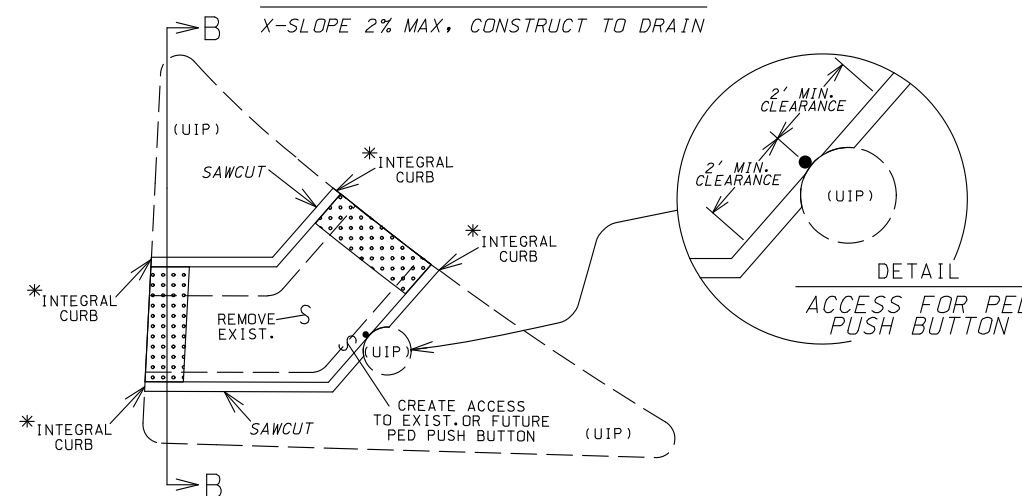


Diagram illustrating a proposed road cross-section. The road width is 6' WIDE (5' MIN.). The diagram shows a central travel lane with sawcuts at the edges, (UIP) ISLANDS, and a PVMNT. (Paved Shoulder) area. A note indicates to UTILIZE EXIST. PAVEMENT ELEVATION.

■ 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)

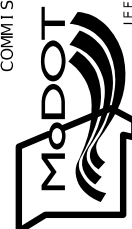
*** NO INTEGRAL CURB, AGGR. OR LIN. GRADING
REQUIRED IF THE ISLAND IS 'PINNED-ON'

* 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-THRU

TYPICAL SECTION SHEET
SHEET 11 OF 13

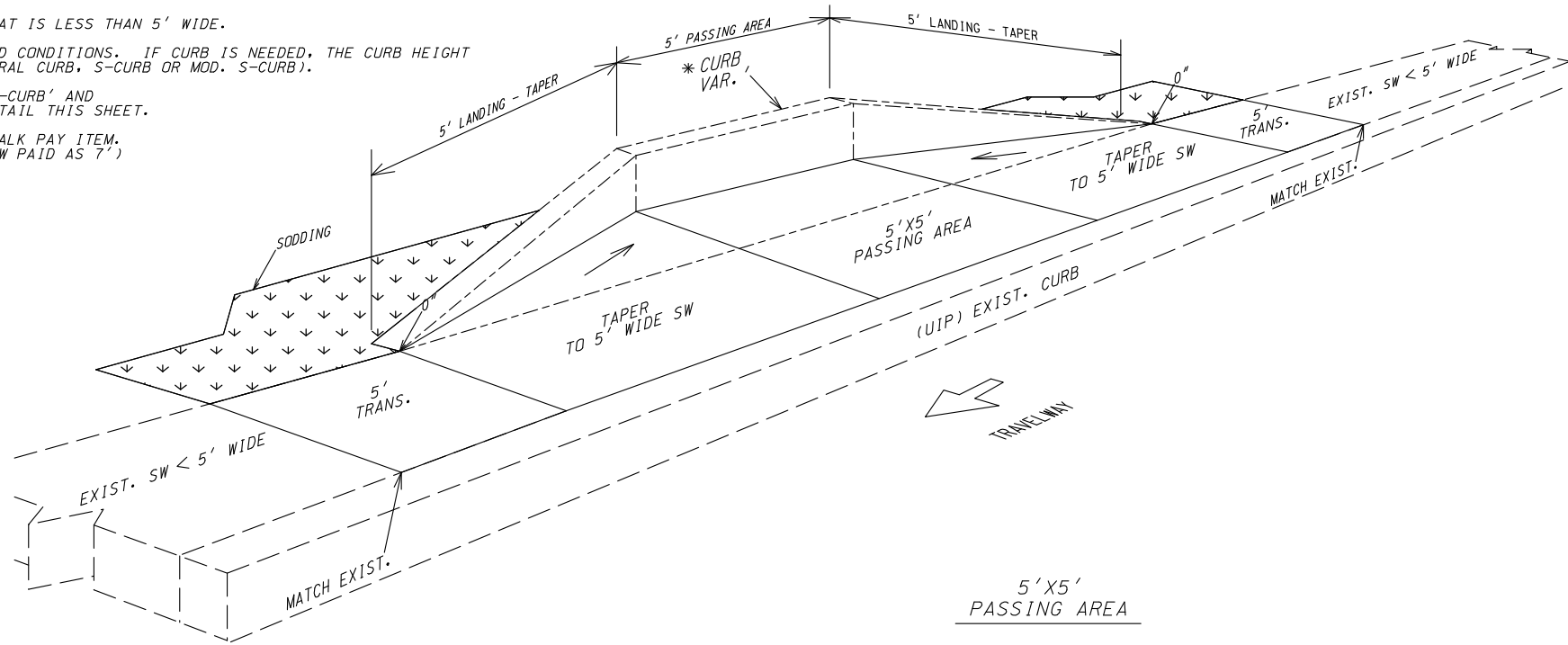
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

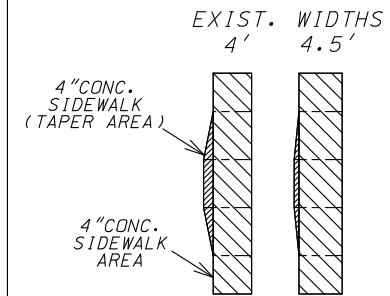


NOTES:

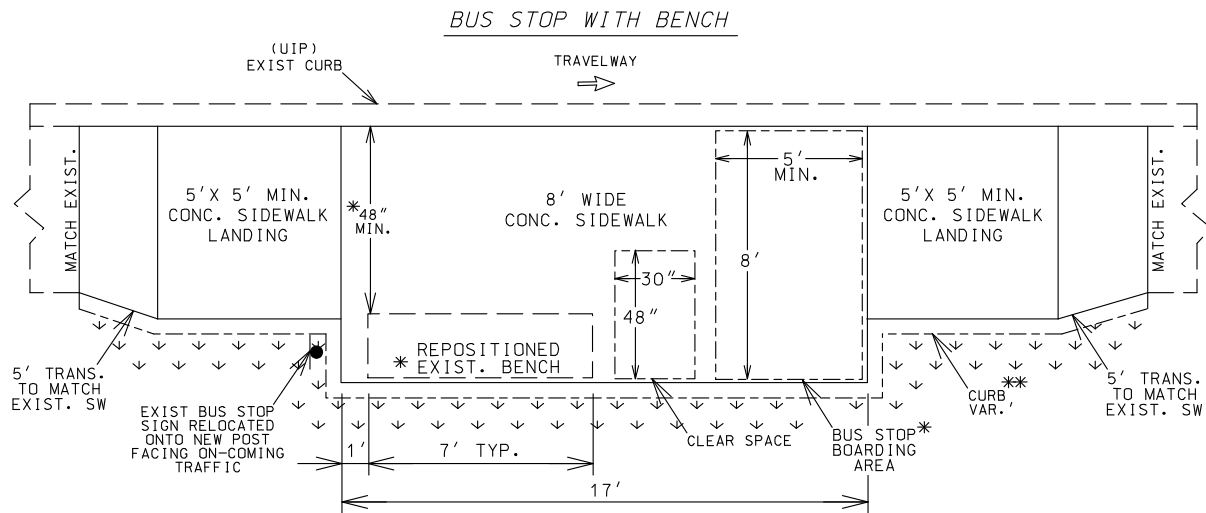
- PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.
- CURB MAY OR MAY NOT BE NEEDED DEPENDING ON FIELD CONDITIONS. IF CURB IS NEEDED, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).
- S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
- 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)



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	

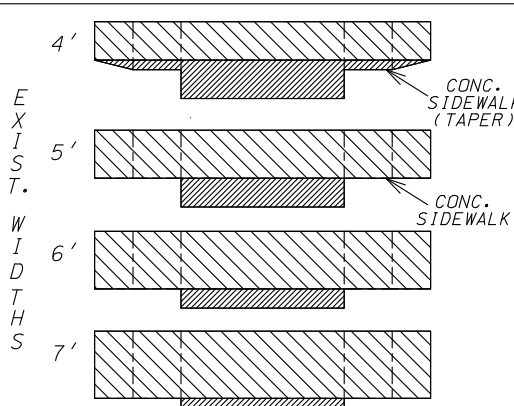
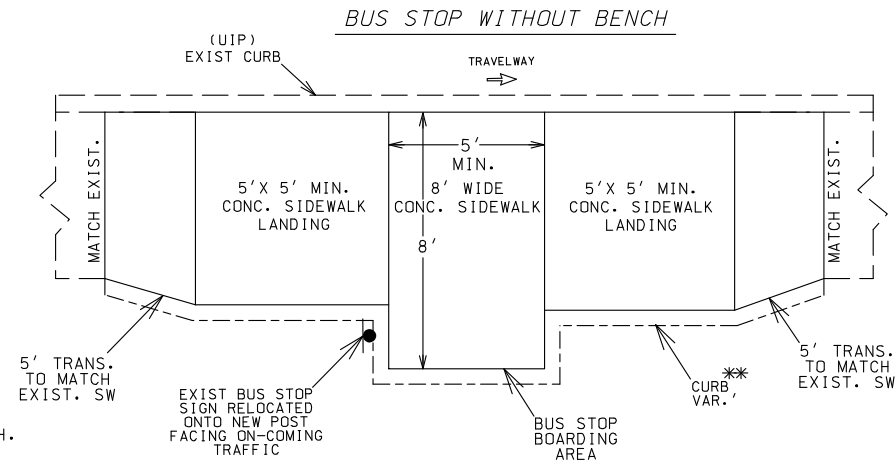


NOT TO SCALE

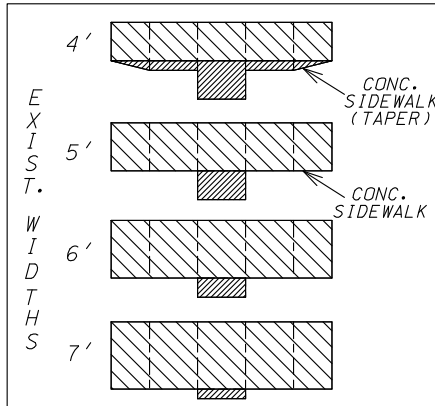


NOTES:

- 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.
- 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).
- S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
- INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. INTEGRAL CURB PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6\"/>



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



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 SECTION SHEET
SHEET 12 OF 13

NOT TO SCALE



DATE PREPARED

6/8/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 2

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



REMOVAL OF IMPROVEMENTS								
SHEET	ROUTE	STA.	STA.	LOCATION	DESCRIPTION	UNIT	AMOUNT	REMARKS
116	NB I-470 OFF RAMP	9+41		RT	SIGN POST	EA	1	RELOCATE SIGN
116	NB I-470 OFF RAMP	9+54		LT/RT	OVERHEAD SIGN	EA	1	RELOCATE SIGNS
6	NB I-470 OFF RAMP	9+73	10+31	RT	CURB	LF	177	FLUME AND CURB
116	NB I-470 OFF RAMP	9+74		RT	SIGN POST	EA	1	RELOCATE SIGN
6	NB I-470 OFF RAMP	10+18	10+66	RT	MEDIAN ISLAND	SY	87	
7	VALLEY VIEW	10+12	11+23	LT/RT	PAVEMENT	SY	66	
7	VALLEY VIEW	10+19	11+23	LT/RT	CURB AND GUTTER	LF	222	
118	VALLEY VIEW	11+81		RT	SIGN	EA	1	RIGHT ONLY
120	VALLEY VIEW	12+85		RT	SIGN	EA	1	RIGHT ONLY
118	E 48TH STREET	11+21		RT	SIGN POST	EA	1	RELOCATE SIGN
119	LITTLE BLUE PKWY	10+12		RT	SIGN POST	EA	1	RELOCATE SIGN
119	LITTLE BLUE PKWY	10+90		RT	SIGN POST	EA	1	RELOCATE SIGN
8-9	LITTLE BLUE PKWY	11+73	17+06	RT	PAVEMENT	SY	447	
8-9	LITTLE BLUE PKWY	11+77	13+79	RT	CURB	LF	293	
8-9	LITTLE BLUE PKWY	12+39.98		RT	LUMINAIRE POLE	EA	1	SW QUAD/EB RTE 40 & LITTLE BLUE PKWY
119	LITTLE BLUE PKWY	13+55		RT	SIGN POST	EA	1	RELOCATE SIGN
119	FAIRVIEW ROAD	12+79		RT	SIGN	EA	1	STOP SIGN
119	FAIRVIEW ROAD	12+83		LT	SIGN	EA	1	STOP SIGN
118	ARROWHEAD DRIVE	10+64		RT	SIGN	EA	1	LEFT LANE MUST TURN LEFT
					ITS EXIST FIBER	LS	1	
					ITS EXIST CONDUIT	LS	1	
SUBTOTAL							1 LUMP SUM	
PAY TOTAL							1 LUMP SUM	

NOTE: SAWCUT INCIDENTAL TO PAVEMENT REMOVAL

OPTIONAL PAVEMENT								
SHEET	ROUTE	BEGIN STA.	ROUTE	END STA.	LOCATION	OPTIONAL PAVEMENT (SY)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SY)	REMARKS
18	EB RTE 40	495+56.63	EB RTE 40	498+26.63	RT	277.6	278	CLIFF DRIVE TURN LANE
18	EB RTE 40	496+44.97	WB RTE 40	498+14.28	LT/RT	343.5	344	CLIFF DRIVE OFFSET LEFT TURN
18 - 19	EB RTE 40	500+11.25	WB RTE 40	506+36.79	LT/RT	1,667	1,667	RTE 40 MEDIAN W OF I-470
18	WB RTE 40	501+63	WB RTE 40	503+75.68	LT	322	322	COCHISE COURT TURN LANE
19	SB I-470 OFF-RAMP	6+44	SB I-470 OFF-RAMP	9+34.99	LT/RT	491.6	492	SB I-470 OFF-RAMP TURN LANE
19	SB I-470 OFF-RAMP	6+44	SB I-470 OFF-RAMP	9+16.20	LT	121.0	121	SB I-470 OFF-RAMP FULL DEPTH SHOULDER
19	NB I-470 OFF-RAMP	7+00	EB RTE 40	512+15.13	RT	785.4	785	NB I-470 OFF-RAMP TURN LANE
20	VALLEY VIEW PKWY	10+39.33	WB RTE 40	331+70.41	LT/RT	140	140	VALLEY VIEW PKWY MEDIAN
20	WB RTE 40	335+68.72 R2	WB RTE 40	338+15.20 R2	LT	246.3	246	RIGHT TURN LANE
21	EB RTE 40	527+76.42	EB RTE 40	530+67.00	LT	480.1	480	LEFT TURN LANE
22	LITTLE BLUE PKWY	11+73.1	LITTLE BLUE PKWY	17+03.29	RT	808.6	809	LITTLE BLUE PKWY IMPROVEMENTS
SUBTOTAL						5,683	5,684	
PAY TOTAL						5,683	SEE NEXT SHEET FOR TOTAL	

CONCRETE PAVEMENT								
SHEET	ROUTE	BEGIN STA.	ROUTE	END STA.	LOCATION	CONCRETE PAVEMENT (9 1/2 IN. NON-REINFORCED, 15 FT. JOINTS) (SY)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SY)	REMARKS
19	SB I-470 OFF-RAMP	9+16.2	DISPLACED LEFT	15+11.3	LT	1,865.6	1,866	DISPLACED LEFT
21	EB RTE 40	527+76.39	EB RTE 40	530+90.32	RT	125.8	126	TRAIL EXTENSION WITH BARRIER
SUBTOTAL						1,991.4	1,992	
PAY TOTAL						1,991.4	SEE NEXT SHEET FOR TOTAL	

STEEL PLATE						
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	STEEL PLATE (SF)	REMARKS
9	LITTLE BLUE PKWY	10+52.42	10+58.42	RT	36	LITTLE BLUE PARKWAY SIDEWALK
9	LITTLE BLUE PKWY	11+07.64	11+10.72	RT	37	LITTLE BLUE PARKWAY SIDEWALK
SUBTOTAL					73	
PAY TOTAL					73	

8" MODIFIED PAVED APPROACH									
SHEET	ROUTE	STA.	LOCATION	WIDTH (FT)	GRADE (%)	RADIUS (FT)	8" MODIFIED PAVED APPR. (SY)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SY)	REMARKS
9	LITTLE BLUE PKWY	13+90.44	RT	25	-3.1%	15 TO 20	42.6	43	DRIVEWAY APPROACH
9	LITTLE BLUE PKWY	16+25.28	RT	25	-3.0%	20	68.9	69	DRIVEWAY APPROACH
SUBTOTAL							111.5	112	
PAY TOTAL							111.5	112	

SUMMARY OF QUANTITIES
SHEET 3 OF 20



DATE PREPARED
6/26/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE								

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



BITUMINOUS PAVEMENT										
SHEET	ROUTE	BEGIN STA.	ROUTE	END STA.	LOCATION	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125C MIX) (TONS)	ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP190C MIX) (TONS)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SY)	NON-TRACKING TACK COAT (GAL)	REMARKS
17 - 18	WB RTE 40	489+82	WB RTE 40	497+95	LT/RT	196.4			179.8	WB RTE 40 DRIVING LANES
18	WB RTE 40	497+95.02	WB RTE 40	499+23.95	LT/RT					INTERSECTION EXCEPTION LIMITS
18	EB RTE 40	498+26.63	EB RTE 40	499+26.14	LT/RT					INTERSECTION EXCEPTION LIMITS
18 - 19	EB RTE 40	499+26.14	EB RTE 40	506+64.2	LT/RT	237.8			217.7	EB RTE 40 DRIVING LANES
18 - 19	EB RTE 40	499+26.24	WB RTE 40	506+23	LT/RT	493.3	931.1	2,304		RTE 40 MEDIAN W OF I-470
19	WB RTE 40	505+31.5	SB I-470 OFF-RAMP	6+44	LT/RT	199.6			182.8	WB RTE 40 & SB I-470 OFF-RAMP
19	DISPLACED LEFT	15+11.3	DISPLACED LEFT	16+57.52	LT/RT	66.9	126.4	313		DISPLACED LEFT
19	EB RTE 40	506+14.00	EB RTE 40	507+00.00	LT/RT					INTERSECTION EXCEPTION LIMITS
19	WB RTE 40	506+24.15	WB RTE 40	510+65.42	LT/RT					INTERSECTION EXCEPTION LIMITS
19	EB RTE 40	507+00	EB RTE 40	509+55	LT/RT	133.5			122.2	EB RTE 40 DRIVING LANE
19 - 20	NB I-470 ON-RAMP	2+87.88	VALLEY VIEW PKWY	11+22.64	LT/RT	455.2			416.8	NB I-470 ON-RAMP & WB RTE 40 DRIVING LANES
19	EB RTE 40	509+55	EB RTE 40	510+47	LT/RT					INTERSECTION EXCEPTION LIMITS
19 - 20	EB RTE 40	510+47	EB RTE 40	517+39	LT/RT	488.7	922.4	2,282		RTE 40 MEDIAN E OF I-470
19 - 20	NB I-470 OFF-RAMP	7+00	EB RTE 40	517+39	LT/RT	474.6			434.6	NB I-470 OFF-RAMP & EB DRIVING LANES
20	WB RTE 40	331+13	WB RTE 40	332+00	LT/RT					INTERSECTION EXCEPTION LIMITS
20	EB RTE 40	517+39	EB RTE 40	518+23	LT/RT					INTERSECTION EXCEPTION LIMITS
20	VALLEY VIEW PKWY	11+22.64	WB RTE 40	332+67 R2	LT	70.9			65.0	E VALLEY VIEW PKWY DRIVING LANE
20	WB RTE 40	332+00 R2	WB RTE 40	338+15.15 R2	LT/RT	212.6			194.7	WB RTE 40 DRIVING LANE
20	WB RTE 40	332+00 R2	WB RTE 40	338+15.15 R2	RT	354.9	669.9	1,658		WB RTE 40 OFFSET LEFT TURN AT VALLEY VIEW
20	ARROWHEAD DRIVE	11+05	EB RTE 40	518+56.46	LT/RT	40.6			37.2	NB ARROWHEAD DR DRIVING LANE
22	LITTLE BLUE PKWY	10+00	LITTLE BLUE PKWY	11+05	LT/RT	92.9			85.1	SB LITTLE BLUE PKWY DRIVING LANE
22	LITTLE BLUE PKWY	11+05	LITTLE BLUE PKWY	12+05	LT/RT					INTERSECTION EXCEPTION LIMITS
22	LITTLE BLUE PKWY	12+05	LITTLE BLUE PKWY	17+06.45	LT/RT	195.7			179.3	SB LITTLE BLUE PKWY DRIVING LANE
SUBTOTAL 3						3,713.6	2,649.8	6,557	2,115	BITUMINOUS PAVEMENT
SUBTOTAL 2 (OPTIONAL PAVEMENT)								5,684		OPTIONAL PAVEMENT
SUBTOTAL 1 (CONCRETE PAVEMENT)								1,992		CONCRETE PAVEMENT
PAY TOTAL						3,713.6	2,649.8	14,233	2,115.0	

NOTE: SP125 MIX PAVEMENT APPLICATION RATE = 1.927 TONS PER CUYD

NOTE: SP190 MIX PAVEMENT APPLICATION RATE = 1.940 TONS PER CUYD

CONCRETE MEDIAN STRIP							
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	8 IN. CONCRETE MEDIAN STRIP (SY)	8 IN. TRUCK APRON (PIGMENTED & TEXTURED) (SY)	REMARKS
\$IDS\$	EB RTE 40	496+97.61	498+16.63	LT	107		CLIFF DRIVE LEFT TURN
23	EB RTE 40	498+09.63	498+14.21	RT	1.3		CLIFF DRIVE SIDEWALK
23 - 24	WB RTE 40	499+88.52	502+90.81	LT/RT	133		CLIFF DRIVE TO TYPE C BARRIER
24	S COCHISE CT.	10+38.36	10+38.02	LT	26.4		COCHISE COURT
23 - 24	WB RTE 40	503+56.13	505+58.66	LT/RT	86.9		TYPE C BARRIER TO INTERCHANGE
24	WB RTE 40	505+86.50	506+08.25	LT	42		SB I-470 OFF-RAMP
24	WB RTE 40	505+84.28	506+16.25	RT	32		RTE 40 MEDIAN ISLAND
24	WB RTE 40	506+43.00	506+88.01	LT		65.7	SB I-470 OFF-RAMP TRUCK APRON
24	WB RTE 40	506+99.82	507+09.08	LT	6.6		BARRIER TRANSITION
24	WB RTE 40	506+43	506+88.01	LT	65.7		DISPLACED LT ISLAND
24	EB RTE 40	507+26.05	507+28.03	LT	0.4		TYPE A BARRIER TRANSITION
25	WB RTE 40	509+47.97	510+73.15	LT	467.3		DISPLACED LEFT ISLAND
25	WB RTE 40	509+92.93	510+31.56	LT	48.7		NB I-470 ON-RAMP
25	EB RTE 40	510+64.25	511+05.85	RT	89.8		NB I-470 OFF-RAMP
25	WB RTE 40	510+72.83	511+83.33	RT	74.2		I-470 RAMPS TO TYPE C BARRIER
25	EB RTE 40	511+43.75	511+94.35	RT		52.1	NB I-470 OFF-RAMP TRUCK APRON
25 - 26	WB RTE 40	512+36.72	330+98.28	RT	437.3		TYPE C BARRIER TO VALLEY VIEW PKWY
26	EB RTE 40	516+99.81	517+47.59	RT	29.7		SW QUAD VALLEY VIEW PKWY
26	WB RTE 40	330+96.26	331+23.25	LT	39.2		NW QUAD VALLEY VIEW PKWY
26	WB RTE 40	332+09.46	332+36.35	LT	16.2		NE QUAD VALLEY VIEW PKWY
26	WB RTE 40	332+00.51	332+91.61	RT	110.4		RTE 40 MEDIAN ISLAND
26	EB RTE 40	518+36.51	518+77.79	LT	66.7		RTE 40 MEDIAN ISLAND
26	EB RTE 40	517+86.33	519+05.31	RT	112.6		PATTERNED MEDIAN ISLAND
28	WB RTE 40	346+81.72	347+04.62	LT	30.1		NW QUAD LITTLE BLUE PKWY
28	EB RTE 40	533+19.36	533+31.42	RT	5.7		SW QUAD LITTLE BLUE PKWY
30	EB RTE 40	536+83.21	537+09.49	RT	17.9		FAIRVIEW ROAD
SUBTOTAL					2,047	117.8	
PAY TOTAL					2,047	117.8	



DATE PREPARED
6/26/2026
ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY JACKSON
JOB NO. JKU0066
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



GUTTER, CURB AND GUTTER												
SHEET	ROUTE	BEGIN STA.	ROUTE	END STA.	LOCATION	CURB AND GUTTER TYPE CG-1 (LF)	CURB AND GUTTER TYPE B (LF)	TYPE A GUTTER (LF) OD	MOD. TYPE B GUTTER (LF)	INTEGRAL TYPE B BARRIER CURB (LF)	TYPE 1 AGGREGATE FOR BASE (4 IN. THICK) (SY)	REMARKS
5	EB RTE 40	495+56.63	EB RTE 40	498+25.13	RT	297					115.5	CLIFF DRIVE TURN LANE
5	EB RTE 40	498+80.79	EB RTE 40	500+03.61	RT	146		15			56.8	EAST OF CLIFF DRIVE FLUME
5	WB RTE 40	501+95.49	WB RTE 40	503+16.11	LT	131				61	50.9	EAST OF S CHOCHISE CT
6	WB RTE 40	505+56.33	SB I-470 OFF-RAMP	8+64	LT/RT		110	6			55	SB I-470 OFF-RAMP FLUME
6	DISPLACED LEFT	12+01	DISPLACED LEFT	14+10	LT				215			SOIL NAIL WALL DRAINAGE
6	NB I-470 OFF-RAMP	9+64.82	EB RTE 40	513+21.08	RT		240				120	NB I-470 OFF-RAMP
7	VALLEY VIEW PKWY	10+34.85	VALLEY VIEW PLWY	11+22.64	LT/RT	188					73.1	VALLEY VIEW PKWY MEDIAN
7	ARROWHEAD DRIVE	10+84.92	ARROWHEAD DRIVE	10+96.78	LT	12					4.7	ARROWHEAD DRIVE
7	EB RTE 40	521+12.05	EB RTE 40	521+87.05	RT		118				59	E 48TH ST DRIVEWAY
7	WB RTE 40	335+68.73 R2	WB RTE 40	338+15.32 R2	LT	247		2		33	96.1	WB RTE 40 TURN LANE FLUME
8	EB RTE 40	530+90.32	EB RTE 40	530+90.83	RT	12					4.7	CLOSE EXISTING SIDEWALK
8	EB RTE 40	532+88	EB RTE 40	533+18.44	RT		31				15.5	TRANSITION FOR EXIST. TO CG-1
8	LITTLE BLUE PKWY	13+04.28	EB RTE 40	534+49.80	LT/RT	158					61.4	SE QUAD RTE 40 AND LITTLE BLUE
8	EB RTE 40	536+22	EB RTE 40	536+93.17	RT	93					36.2	SW QUAD RTE 40 AND FAIRVIEW RD
8	EB RTE 40	537+15.75	EB RTE 40	537+38.96	RT	52					20.2	SE QUAD RTE 40 AND FAIRVIEW RD
9	LITTLE BLUE PKWY	9+87.95	LITTLE BLUE PKWY	11+29.49	RT		198	32			99	LITTLE BLUE PKWY INTERSECTION
9	LITTLE BLUE PKWY	11+76.89	LITTLE BLUE PKWY	13+79.13	RT	219					85.2	
9	LITTLE BLUE PKWY	14+01.75	LITTLE BLUE PKWY	16+14.43	RT	233					90.6	
9	LITTLE BLUE PKWY	16+36.13	LITTLE BLUE PKWY	17+05.76	RT	78					30.3	
SUBTOTAL						1,866	697	55	215	94	1,074.2	
PAY TOTAL						1,866	697	55	215	94	SEE TABLE BELOW FOR TOTAL	

TRUNCATED DOMES, CURB RAMP, SIDEWALK, TYPE 1 AGGREGATE, ADA LINEAR GRADING, KENTUCKY BLUEGRASS SODDING, CURBS																				
SHEET	ROADWAY	BEGIN STA.	END STA.	LENGTH (LF)	LT RT	TRUNC. DOMES (SF)	CURB RAMP				S.W. WIDTH (LF)	PAY WIDTH (LF)	4" SDWLK. (SY)	8" SDWLK. (SY)	INTEGRAL CURB (LF)	4" TYPE 1 AGGR. (SY)	ADA LINEAR GRADING (LF)	SOD		REMARKS
							LENGTH	WIDTH	TYPE	(SY)								ONE SIDE (SY)	BOTH SIDES (SY)	
23	EB RTE 40	498+02.63	498+09.63		LT	24					6	6								CLIFF DRIVE WEST MEDIAN
23	EB RTE 40	498+03.63	498+18.29	25.1	RT	24					6	7	14	3.1	32	17.1	25.1	4.2		SW QUAD CLIFF DRIVE
23	EB RTE 40	498+84.23	499+07.74	28	RT	12	8	6	1-A	13.1	6	6	6			19.4	28		15.6	SE QUAD CLIFF DRIVE TYPE 1-A CURB RAMP
23	EB RTE 40	498+88.84	499+17.74	52.6	RT						VAR.	VAR.	36.6			36.6	52.6		17.6	SE QUAD CLIFF DRIVE
25	EB RTE 40	509+99.25	510+10.76	13.4	RT						8	8	12			12	13.4		4.5	SW QUAD NB I-470 OFF-RAMP
25	EB RTE 40	510+12.76	510+38.65	22	RT	16.1	8	8	1-B	7.1	8	8	14.2			21.3	22		7.4	SW QUAD NB I-470 OFF-RAMP TYPE 1-B RAMP
25	EB RTE 40	510+64.25	510+97.71	31.9	RT	32.1					8	8	28.7			28.7	31.9			NB I-470 OFF-RAMP MEDIAN ISLAND
25	EB RTE 40	511+43.3	511+67.71	28	RT	16	8	8	1-A	7.1	8	8	17.5			24.6	28		9.4	SE QUAD I-470 OFF-RAMP TYPE 1-A RAMP
25	EB RTE 40	511+67.71	512+37.61	71.6	RT						8	8	63.7			63.7	71.6		23.9	SE QUAD I-470 OFF-RAMP
26	WB RTE 40	330+68.23 R2	330+85.76 R2	41	LT	12	6	6	2-D	9.5	6	6	17.5			27	41	6.9		NW E VALLEY VIEW PKWY TYPE 2-D CURB RAMP
26	WB RTE 40	330+96.26 R2	331+21.94 R2	35	LT	36.3					6	6	21.8			21.8	35.0			NW E VALLEY VIEW PKWY ISLAND
26	WB RTE 40	332+09.46 R2	332+36.35 R2	18.7	LT	36.8					6	6	10.8			10.8	18.7			NE E VALLEY VIEW PKWY ISLAND
26	WB RTE 40	332+35.25 R2	332+44.83 R2	7.8	LT	12	8	6	1-B	6	6	6				6	7.8		2.6	NE WB RTE 40 TYPE 1-B CURB RAMP
26	WB RTE 40	332+00.51 R2	332+19.75 R2	29	RT	24					6	6	19.5			19.5	29			WB RTE 40 EAST MEDIAN ISLAND
26	EB RTE 40	518+36.51	518+77.79	11.2	LT	24					6	6	7.5			7.5	11.2			EB RTE 40 EAST MEDIAN ISLAND
26	EB RTE 40	518+11.34	518+50.34	96.6	RT	32					6	6	53.3			53.3	96.6		15	SE QUAD VALLEY VIEW PKWY
26	EB RTE 40	517+19.22	517+47.59	32.8	RT	36.6					6	6	20.1			20.1	32.8			SW QUAD VALLEY VIEW PKWY MEDIAN ISLAND
26	EB RTE 40	516+95.34	517+16.27	28	RT	12	8	6	1-A	13.1	6	6	6			19.4	28		15.6	SW QUAD VALLEY VIEW PKWY TYPE 1-A RAMP
26	EB RTE 40	516+85.45	517+01.52	25.3	RT						VAR.	VAR.	12.2			12.2	25.3		8.5	SW QUAD VALLEY VIEW PKWY
26	WB RTE 40	330+92.27 R2	330+98.71 R2	8.1	RT	24					6	6	5.4			5.4	8.1			W VALLEY VIEW PKWY MEDIAN ISLAND
27	EB RTE 40	521+17.61	521+45.96	29.9	RT						VAR.	VAR.	16.6			16.6	29.9		10	SW QUAD E 48TH STREET
27	EB RTE 40	521+42.45	521+70.01	28	RT	10	8	5	1-A	10.9	5	5	6			16.5	28		14.8	SW QUAD E 48TH ST TYPE 1-A CURB RAMP
27	EB RTE 40	522+21.33	522+49.77	28	RT	10	10	5	1-A	10.9	5	7	6.9		11.7	17.8	28		14.8	SE QUAD E 48TH ST TYPE 1-A CURB RAMP
27	EB RTE 40	522+47.59	522+52.59	4.6	RT						5	7	11		73.7	11	4.6		1.6	SE QUAD E 48TH STREET
27 - 28	EB RTE 40	522+24.37	530+92.32	506.2	RT						8	8	453.2			453.2	506.2	84.4		TRAIL OVER LITTLE BLUE RIVER BRIDGE
28	EB RTE 40	530+47.46	530+92.32	45.0	RT						VAR.	VAR.	27.3			27.3	45			PATTERN CONCRETE
28	EB RTE 40	534+14.08	534+43.2	28	RT	12	8	6	1-A	13.1			6			19.4	28.0		15.6	SE QUAD LITTLE BLUE TYPE 1-A CURB RAMP
28 & 30	EB RTE 40	534+43.2	536+36.82	193.8	RT	12					5	5	107.7			107.7	193.8		64.6	SE QUAD LITTLE BLUE PKWY TO FAIRVIEW RD
30	EB RTE 40	536+36.82	536+67.61	28	RT	12	8	5	1-A	10.9	5	5	6			16.5	28		14.8	SW QUAD FAIRVIEW RD
30	EB RTE 40	536+87.55	537+04.34	14.8	RT	22					5	5	8.1			8.1	14.8			FAIRVIEW RD MEDIAN ISLAND
30	EB RTE 40	537+17.41	537+38.82	28	RT	10	8	5	1-A	10.9	5	5	6			16.5	28.0		14.8	SE QUAD FAIRVIEW RD TYPE 1-A RAMP
30	EB RTE 40	537+34.09	537+43.95	12.6	RT						5	5	7			7.0	12.6		4.2	SE QUAD FAIRVIEW RD
28	WB RTE 40	346+91.29 R2	346+99.42 R2	16.8	LT	24					6	6	11.3			11.3	16.8			NW QUAD LITTLE BLUE PKWY AND WB RTE 40
28	LITTLE BLUE PKWY	9+91.47	10+13.18	22	RT	12	8	6	1-B	6.2	6	6	6.4			19.6	22		7.4	LITTLE BLUE PKWY INTERSECTION TYPE 1-B RAMP
28	LITTLE BLUE PKWY	10+13.18	11+04.94	92.1	RT						6	6	57			57.0	92.1		30.7	LITTLE BLUE PKWY INTERSECTION
28	LITTLE BLUE PKWY	11+04.94	11+26.96	22	RT	12	8	6	1-B	10.3	6	6	6			16.7	22		11.7	LITTLE BLUE PKWY INTERSECTION TYPE 1-B RAMP
28	LITTLE BLUE PKWY	532+98.8	533+19.86	28	RT	12	8	6	1-A	13.1	6	6	6			19.4	28		15.6	SW QUAD LITTLE BLUE PKWY AND EB RTE 40
28	LITTLE BLUE PKWY	533+19.43	533+34.11	28	RT	12	8	6	1-A	13.1	6	6	6			19.4	28		15.6	SW QUAD LITTLE BLUE PKWY AND EB RTE 40
SUBTOTAL 2						534					155.3			1121.3	3.1		1287.4	1761.9	451.8	SUMMARY OF QUANTITIES SHEET 6 OF 20
SUBTOTAL 1 (CURB AND GUTTER)																1074.2				
PAY TOTAL						534					155.3			1121.3	3.1		2362	1762	452	

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

* LENGTH MEASURED ALONG PROPOSED IMPROVEMENT, NOT BY STATION RANGE.
* * PAY WIDTH INCLUDES INTEGRAL CURB CONC. WIDTH/HEIGHT. SEE TYPICAL SHEET 1 FOR ALL PAY ITEM LIMITS.



DATE PREPARED
6/8/2026

ROUTE
40

DISTRICT
KC

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

EARTHWORK								
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	UNCLASSIFIED EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	COMPACTING IN CUT (STA)	REMARKS
5	WB RTE 40	495+56.63	498+28.63	RT	270	15	2.7	CLIFF DRIVE RIGHT TURN LANE
5-6	EB RTE 40	499+23.95	506+14.21	LT/RT			6.9	RTE 40 MEDIAN ISLAND
6	SB I-470 OFF-RAMP	6+44	9+57.54	LT/RT	627	53	3.1	SB I-470 OFF-RAMP IMPROVEMENTS
65	SB I-470 OFF-RAMP	7+10				2.37		DITCH BERM
65	SB I-470 OFF-RAMP	7+60				2.37		DITCH BERM
65	SB I-470 OFF-RAMP	8+10				2.37		DITCH BERM
6	DISPLACED LEFT	11+50	16+20	LT/RT	2,071	457		DISPLACED LEFT
6	NB I-470 OFF-RAMP	7+00	10+40	LT/RT	336	374	3.4	NB I-470 OFF-RAMP IMPROVEMENTS
66	NB I-470 OFF-RAMP	7+55				2.37		DITCH BERM
66	NB I-470 OFF-RAMP	8+10				2.37		DITCH BERM
66	NB I-470 OFF-RAMP	8+60				2.37		DITCH BERM
6-7	EB RTE 40	510+47	517+39	LT/RT	1,018	48	6.9	RTE 40 MEDIAN ISLAND
7	WB RTE 40	331+95	338+15.3	LT/RT	1,126	46	6.2	VALLEY VIEW PKWY TURN LANES
66	WB RTE 40	332+62				2.37		DITCH BERM
66	WB RTE 40	334+62				2.37		DITCH BERM
67	WB RTE 40	335+76				2.37		DITCH BERM
8	EB RTE 40	528+55	530+92.32	LT/RT	248	265	2.4	TRAIL AND EB 40 TO NB LBP LT TURN IMPROVEMENTS
67	EB RTE 40	529+00				2.37		DITCH BERM
67	EB RTE 40	529+50				2.37		DITCH BERM
67	EB RTE 40	530+00				2.37		DITCH BERM
9	LITTLE BLUE PKWY	9+88.47	17+06.47	RT	869	227	7.2	LITTLE BLUE PKWY IMPROVEMENTS
SUBTOTAL					6,565	1,513	38.8	
PAY TOTAL					6,565	1,513	38.8	

PERMANENT PAVEMENT MARKING															
SHEET	ROADWAY	BEGIN STA.	ROADWAY	END STA.	LOC.	MULTI - COMPONENT LIQUID PAVEMENT MARKING			MULTI - COMPONENT LIQUID PAVEMENT MARKING		PERFORMED THERMOPLASTIC				REMARKS
						6" WHITE (LF)	12" WHITE (LF)	24" WHITE (LF)	6" YELLOW (LF)	24" YELLOW (LF)	STRAIGHT ARROW (EA)	RIGHT ARROW (EA)	LEFT ARROW (EA)	COMBINATION STR/RT ARROW (EA)	
134	EB RTE 40	494+28	EB RTE 40	497+99	RT	321									EB RTE 40 RT EDGE LINE
134	EB RTE 40	494+28	EB RTE 40	497+99	CL	92.75									EB RTE 40 INTERMITTENT WHITE STRIP
134	EB RTE 40	494+28	WB RTE 40	497+95	LT				374						EB RTE 40 LT EDGE LINE
134	EB RTE 40	495+16	EB RTE 40	497+99	LT	141.5									3 FT. LINE, 9 FT GAP MARKING
134	EB RTE 40	495+16	EB RTE 40	497+99	LT	283									EB RTE 40 LT EDGE LINE
134	EB RTE 40	495+16			LT								1		LEFT TURN ARROW
134	EB RTE 40	495+92			LT								1		LEFT TURN ARROW
134	EB RTE 40	496+02	EB RTE 40	498+27	RT	257									RIGHT TURN LANE EDGE LINE
134	EB RTE 40	496+45	EB RTE 40	497+99	LT	155									LEFT TURN LANE EDGE LINE
134	EB RTE 40	496+52			RT							1			RIGHT TURN ARROW
134	EB RTE 40	497+15			LT								1		LEFT TURN ARROW
134	EB RTE 40	497+99			LT			11							STOP BAR
134	EB RTE 40	497+99			LT/RT			33							STOP BAR
134	EB RTE 40	498+04			LT/RT			66							CROSSWALK
134	EB RTE 40	498+21	EB RTE 40	498+82	RT			78							CROSSWALK
134 - 135	EB RTE 40	499+30	EB RTE 40	506+14	RT	584									EB RTE 40 RT EDGE LINE
134 - 135	EB RTE 40	499+30	EB RTE 40	506+07	CL	169.25									EB RTE 40 INTERMITTENT WHITE STRIP
134 - 135	EB RTE 40	499+30	EB RTE 40	506+05	LT		168.75								3 FT. LINE, 9 FT GAP MARKING
134 - 135	EB RTE 40	499+30	EB RTE 40	505+58	LT				639						EB RTE 40 LT EDGE LINE
135	EB RTE 40	502+08	EB RTE 40	506+02	LT	399									LEFT TURN LANE EDGE LINE
135	EB RTE 40	502+08	EB RTE 40	505+29	LT	81.25									LEFT TURN LANE INTERMITTENT WHITE STRIP
135	EB RTE 40	502+08			LT						2				TWO STRAIGHT ARROWS
135	EB RTE 40	502+20	EB RTE 40	506+64	RT	467									RIGHT TURN LANE EDGE LINE
135	EB RTE 40	503+20			RT							1			RIGHT TURN ARROW
135	EB RTE 40	504+73			LT						2				TWO STRAIGHT ARROWS
135	EB RTE 40	505+29	EB RTE 40	505+72	LT	84									LEFT TURN LANE EDGE LINES
135	EB RTE 40	505+37			RT							1			RIGHT TURN ARROW
135	EB RTE 40	505+37	EB RTE 40	506+32	RT	136									RIGHT TURN ISLAND
135	EB RTE 40	506+02			LT			34							STOP BAR
135	EB RTE 40	506+57	EB RTE 40	510+30	RT	373									EB RTE 40 RT EDGE LINE
135	EB RTE 40	507+08	EB RTE 40	509+63	CL	63.75									EB RTE 40 INTERMITTENT WHITE STRIP
SUBTOTAL 1						3,608	169	222	1,013	0	4	3	3	0	

SUMMARY OF QUANTITIES
SHEET 7 OF 20



DATE PREPARED	
6/26/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET 1
KC	3
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO. 65102

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



PERMANENT PAVEMENT MARKING															
SHEET	ROADWAY	BEGIN STA.	ROADWAY	END STA.	LOC.	MULTI - COMPONENT LIQUID PAVEMENT MARKING			MULTI - COMPONENT LIQUID PAVEMENT MARKING		PERFORMED THERMOPLASTIC				REMARKS
						6" WHITE (LF)	12" WHITE (LF)	24" WHITE (LF)	6" YELLOW (LF)	24" YELLOW (LF)	STRAIGHT ARROW (EA)	RIGHT ARROW (EA)	LEFT ARROW (EA)	COMBINATION STR/RT ARROW (EA)	
134	WB RTE 40	489+82	WB RTE 40	497+95	RT				813						WB RTE 40 RT EDGE LINE
134	WB RTE 40	489+82	WB RTE 40	497+95	LT	203.25									INTERMITTENT WHITE STRIP
134	WB RTE 40	489+82	WB RTE 40	497+95	LT	813									WB RTE 40 LT EDGE LINE
134	WB RTE 40	489+82	WB RTE 40	497+95	RT					115					HASH BARS
134	WB RTE 40	498+00			LT/RT			54							CROSSWALK
134 - 135	WB RTE 40	499+28	WB RTE 40	505+66	RT				644						LEFT TURN LANE EDGE LINE
134 - 135	WB RTE 40	499+28	WB RTE 40	501+04	RT	177									LEFT TURN LANE EDGE LINE
134 - 135	WB RTE 40	499+28	WB RTE 40	501+04	RT	176									WB RTE 40 RT EDGE LINE
134 - 135	WB RTE 40	499+28	WB RTE 40	505+45	LT	154.25									INTERMITTENT WHITE STRIP
134 - 135	WB RTE 40	499+28	WB RTE 40	502+79	LT	351									WB RTE 40 LT EDGE LINE
134 - 135	WB RTE 40	499+28	WB RTE 40	501+04	RT			41							HASH BARS
134	WB RTE 40	499+28			LT/RT			33							STOP BAR
134 - 135	WB RTE 40	499+60	WB RTE 40	501+30	LT	170									RIGHT TURN LANE EDGE LINE
134	WB RTE 40	500+08			RT								1		LEFT TURN ARROW
134	WB RTE 40	500+35			LT							1			RIGHT TURN ARROW
135	WB RTE 40	501+04			RT								1		LEFT TURN ARROW
135	WB RTE 40	501+30			LT							1			RIGHT TURN ARROW
135	WB RTE 40	502+30	WB RTE 40	503+77	LT	150									RIGHT TURN LANE EDGE LINE
135	WB RTE 40	502+79			LT							1			RIGHT TURN ARROW
135	WB RTE 40	503+77	SB I-470 OFF-RAMP	9+39	LT	220									WB RTE 40 LT EDGE LINE
137	WB RTE 40	505+81		506+12	LT	31									WB RTE 40 LT EDGE LINE
135 & 137	WB RTE 40	506+92	WB RTE 40	509+44	RT	252									WB RTE 40 RT EDGE LINE
135 & 137	WB RTE 40	506+92	WB RTE 40	509+44	LT	63									INTERMITTENT WHITE STRIP
135 & 137	WB RTE 40	506+92	WB RTE 40	511+44	LT	452									WB RTE 40 LT EDGE LINE
137	WB RTE 40	506+92			LT/RT			23							STOP BAR
135 & 137	WB RTE 40	507+08	WB RTE 40	509+60	RT	63									LEFT TURN LANE INTERMITTENT WHITE STRIP
135 & 137	WB RTE 40	507+09	WB RTE 40	509+60	RT				251						LEFT TURN LANE EDGE LINE
137	WB RTE 40	507+09			RT			19							STOP BAR
135	WB RTE 40	507+84			RT								2		TWO LEFT TURN ARROWS
135	WB RTE 40	509+16			RT								2		TWO LEFT TURN ARROWS
135	WB RTE 40	509+44	NB I-470 EXIT RAMP	10+51		61									2 FT. LINE, 4 FT GAP MARKING
135	WB RTE 40	509+90	WB RTE 40	511+44	LT	178									OFF RAMP INSIDE
135 - 136	WB RTE 40	509+93	WB RTE 40	329+94	LT	680									OFF RAMP OUTSIDE
135	WB RTE 40	510+74			LT/RT			44							STOP BAR
135 - 136	WB RTE 40	510+74	WB RTE 40	330+89	RT				666						LEFT TURN LANE EDGE LINE
135	WB RTE 40	510+74	WB RTE 40	512+39	RT	41.25									LEFT TURN LANE INTERMITTENT WHITE STRIP
135	WB RTE 40	510+75	WB RTE 40	512+39	RT	164									WB RTE 40 RT EDGE LINE
135 - 136	WB RTE 40	510+75	WB RTE 40	330+89	LT/RT	166.5									INTERMITTENT WHITE STRIP
135 - 136	WB RTE 40	511+44	WB RTE 40	330+88	LT		149								3 FT. LINE, 9 FT GAP MARKING
135	WB RTE 40	511+44			LT							1			RIGHT TURN ARROW
135	WB RTE 40	512+36			RT						2				TWO STRAIGHT ARROWS
135	WB RTE 40	326+34			LT							1			RIGHT TURN ARROW
136	WB RTE 40	330+89	WB RTE 40	331+22	LT	33									WB RTE 40 LT EDGE LINE
136	WB RTE 40	330+94			LT			42							CROSSWALK
136	WB RTE 40	332+20			LT/RT			78							CROSSWALK
136	WB RTE 40	332+18	WB RTE 40	334+06	RT	192									LEFT TURN LANE EDGE LINE
136	WB RTE 40	332+23	WB RTE 40	336+65	RT				448						LEFT TURN LANE EDGE LINE
136	WB RTE 40	332+23			RT			12							STOP BAR
136	WB RTE 40	332+26			LT/RT			33							STOP BAR
136	WB RTE 40	332+26	WB RTE 40	335+66	RT	340									WB RTE 40 RT EDGE LINE
136	WB RTE 40	332+26	WB RTE 40	338+15	RT	147.5									INTERMITTENT WHITE STRIP
136	WB RTE 40	332+26	WB RTE 40	338+15	CL		147.5								3 FT. LINE, 9 FT GAP MARKING
136	WB RTE 40	332+26	WB RTE 40	337+16	LT	490									WB RTE 40 LT EDGE LINE
136	WB RTE 40	332+89	WB RTE 40	334+49	LT	160									RIGHT TURN LANE EDGE LINE
136	WB RTE 40	335+69	WB RTE 40	338+15	LT	248									RIGHT TURN LANE EDGE LINE
136	WB RTE 40	333+02			RT								1		LEFT TURN ARROW
136	WB RTE 40	333+12			LT							1			RIGHT TURN ARROW
136	WB RTE 40	333+49			LT							1			RIGHT TURN ARROW
136	WB RTE 40	335+66			RT								1		LEFT TURN ARROW
136	WB RTE 40	336+65	WB RTE 40	338+15	RT				150						WB RTE 40 RT EDGE LINE
136	WB RTE 40	337+16			LT							1			RIGHT TURN ARROW
SUBTOTAL						3	6,177	297	379	2,972	115	2	8	8	0

SUMMARY OF QUANTITIES
SHEET 9 OF 20



DATE PREPARED
6/26/2026
ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY JACKSON
JOB NO. JKU0066
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE														

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PERMANENT PAVEMENT MARKING															
SHEET	ROADWAY	BEGIN STA.	ROADWAY	END STA.	LOC.	MULTI - COMPONENT LIQUID PAVEMENT MARKING			MULTI - COMPONENT LIQUID PAVEMENT MARKING		PERFORMED THERMOPLASTIC				REMARKS
						6" WHITE (LF)	12" WHITE (LF)	24" WHITE (LF)	6" YELLOW (LF)	24" YELLOW (LF)	STRAIGHT ARROW (EA)	RIGHT ARROW (EA)	LEFT ARROW (EA)	COMBINATION STR/RT ARROW (EA)	
136	E VALLEY VIEW PKWY	10+60	E VALLEY VIEW PKWY	11+23	LT	17									INTERMITTENT WHITE STRIP
136	E VALLEY VIEW PKWY	10+83			RT							2			TWO RIGHT TURN ARROWS
136	E VALLEY VIEW PKWY	10+83			RT								1		LEFT TURN ARROW
140	LITTLE BLUE PKWY	6+32	EB RTE 40	346+15	RT	393									LITTLE BLUE PKWY RIGHT TURN RT EDGE
140	LITTLE BLUE PKWY	6+32	EB RTE 40	347+08	RT	336									LITTLE BLUE PKWY RT EDGE
140	LITTLE BLUE PKWY	6+32	LITTLE BLUE PKWY	9+25	RT	75									INTERMITTENT WHITE STRIP
140	LITTLE BLUE PKWY	6+32	LITTLE BLUE PKWY	9+23	RT				295						LITTLE BLUE PKWY LT EDGE
140	LITTLE BLUE PKWY	7+29	LITTLE BLUE PKWY	9+24	RT	199									LITTLE BLUE PKWY LANE LINE
140	LITTLE BLUE PKWY	7+29			RT						1				STRAIGHT ARROW
140	LITTLE BLUE PKWY	8+01			RT							1			RIGHT TURN ARROW
140	LITTLE BLUE PKWY	8+41			RT						1				STRAIGHT ARROW
140	LITTLE BLUE PKWY	9+08	EB RTE 40	347+80	RT	87									LITTLE BLUE PKWY RIGHT TURN ISLAND
140	LITTLE BLUE PKWY	9+23			RT				33						STOP BAR
140	LITTLE BLUE PKWY	9+28			RT				54						CROSSWALK
140	LITTLE BLUE PKWY	10+05	LITTLE BLUE PKWY	10+93	LT	88									LITTLE BLUE PKWY SB LT EDGE
140	LITTLE BLUE PKWY	10+05	LITTLE BLUE PKWY	10+93	LT	22									INTERMITTENT WHITE STRIP
140	LITTLE BLUE PKWY	10+05	LITTLE BLUE PKWY	10+93	RT	90									LITTLE BLUE PKWY SB RT EDGE
140	LITTLE BLUE PKWY	10+05			LT/RT				22						STOP BAR
140	LITTLE BLUE PKWY	10+12			RT				11						STOP BAR
140	LITTLE BLUE PKWY	10+12	LITTLE BLUE PKWY	10+93	RT				81						LITTLE BLUE PKWY NB LEFT TURN LT EDGE
140	LITTLE BLUE PKWY	10+12	LITTLE BLUE PKWY	11+00	RT	88									LITTLE BLUE PKWY NB LT EDGE
140	LITTLE BLUE PKWY	10+12	LITTLE BLUE PKWY	11+00	RT	22									INTERMITTENT WHITE STRIP
140	LITTLE BLUE PKWY	10+12	LITTLE BLUE PKWY	11+00	RT	88									LITTLE BLUE PKWY NB RT EDGE
140	LITTLE BLUE PKWY	10+25			RT								1		LEFT TURN ARROW
140	LITTLE BLUE PKWY	10+81			RT								1		LEFT TURN ARROW
140	LITTLE BLUE PKWY	10+93			RT				11						STOP BAR
140	LITTLE BLUE PKWY	11+00			RT				22						STOP BAR
140	LITTLE BLUE PKWY	11+92			LT/RT				90						CROSSWALK
140	LITTLE BLUE PKWY	11+99			LT/RT				40						STOP BAR
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	13+67	LT	168									LITTLE BLUE PKWY NB RT EDGE
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	13+67	CL	168									LITTLE BLUE PKWY NB LANE LINE
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	13+67	LT	42									INTERMITTENT WHITE STRIP
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	18+57	RT				661						LITTLE BLUE PKWY NB LT EDGE
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	18+57	RT				662						LITTLE BLUE PKWY SB LT EDGE
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	16+58	RT	116.25									INTERMITTENT WHITE STRIP
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	18+57	RT	670									LITTLE BLUE PKWY SB RT EDGE
140	LITTLE BLUE PKWY	11+99	LITTLE BLUE PKWY	18+57	RT					109					HASH BARS
140	LITTLE BLUE PKWY	12+89			LT									1	COMBINATION ARROW
140	LITTLE BLUE PKWY	16+61	LITTLE BLUE PKWY	18+57	RT	196									LITTLE BLUE PKWY NB LANE LINE
140	LITTLE BLUE PKWY	16+61			RT							1			RIGHT TURN ARROW
140	LITTLE BLUE PKWY	17+81			RT							1			RIGHT TURN ARROW
SUBTOTAL 5						2,865	0	283	1,699	109	2	5	3	1	
SUBTOTAL 4						3,799	0	437	1,513	20	0	6	14	0	
SUBTOTAL 3						6,177	297	379	2,972	115	2	8	8	0	
SUBTOTAL 2						3,561	200	378	2,401	0	6	7	9	0	
SUBTOTAL 1						3,608	169	222	1,013	0	4	3	3	0	
PAY TOTAL						19,993	666	1,699	9,598	244	14	29	37	1	

FULL DEPTH PAVEMENT REPAIR										
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	FULL DEPTH PAVEMENT REPAIR PERIMETER AND INTERNAL SAW CUT (LF)	DOWEL BAR DRILLING FURNISHING AND INSTALLATION FOR FULL DEPTH PAVEMENT REPAIR (EA)	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR (SY)	4" TYPE 5 AGGREGATE BASE PAVEMENT REPAIR (SY)	6" SUBGRADE COMPACTION 10% PAVEMENT AREA (SY)	REMARKS
6	WB RTE 40	505+89.00	506+21.00	LT	126	110	70	7	7	EXISTING. SB I-470 OFF-RAMP MEDIAN ISLAND
SUBTOTAL					126	110	70	7	7	
PAY TOTAL					126	110	70	7	7	

SUMMARY OF QUANTITIES
SHEET 11 OF 20

PAVEMENT MARKING REMOVAL							
SHEET	ROADWAY	BEGIN STA.	END STA.	LOC.	REMOVAL (LF)	REMOVAL (EA)	REMARKS
134	WB RTE 40	493+01	497+81	LT	480		WB RTE 40 WHITE EDGE LINE
134	WB RTE 40	493+01	497+14	RT	414		WB RTE 40 YELLOW EDGE LINE
134	EB RTE 40	494+27	496+45	LT	219		EB RTE 40 YELLOW EDGE LINE
134	EB RTE 40	494+27	497+89	CL	91		INTERMITTENT WHITE STRIP
134	EB RTE 40	494+27	498+02	RT	375		EB RTE 40 WHITE EDGE LINE
134	EB RTE 40	494+86	497+92	LT	303		EB RTE 40 WHITE EDGE LINE
134	EB RTE 40	494+86	497+92	LT	304		EB RTE 40 TURN LANE WHITE EDGE LINE
134	WB RTE 40	495+46	497+95	LT	62		INTERMITTENT WHITE STRIP
134	EB RTE 40	495+79		LT		1	LEFT TURN ARROW
134	EB RTE 40	495+73	497+79	LT	66		WHITE CHEVORON MARKING
134	EB RTE 40	498+30	498+81	LT	31		2 FT. LINE, 4 FT GAP MARKING
134	WB RTE 40	498+45	498+45	LT/RT	48		2 FT. LINE, 4 FT GAP MARKING
\$PM1\$-\$PM2\$	WB RTE 40	498+91	504+06	LT	560		WB RTE 40 WHITE EDGE LINE
\$PM1\$-\$PM2\$	WB RTE 40	499+56	501+44	LT	190		WB RTE 40 TURN LANE WHITE EDGE LINE
\$PM1\$-\$PM2\$	EB RTE 40	499+10	502+91	RT	380		EB RTE 40 WHITE EDGE LINE
134	WB RTE 40	500+09		LT		1	COMBINATION ARROW
135	WB RTE 40	503+76	505+21	LT	147		WB RTE 40 TURN LANE WHITE EDGE LINE
135	WB RTE 40	503+88		LT		1	RIGHT TURN ARROW
135	WB RTE 40	504+79	505+19	LT	42		WB RTE 40 TURN LANE WHITE EDGE LINE
135	EB RTE 40	506+18		LT/RT	32		STOP BAR
135	WB RTE 40	506+54	510+32	LT	384		WB RTE 40 WHITE EDGE LINE
135	EB RTE 40	506+57	507+00	RT	43		EB RTE 40 WHITE EDGE LINE
135	WB RTE 40	506+94		LT/RT	22		STOP BAR
135	WB RTE 40	506+95	509+44	RT	249		WB RTE 40 WHITE EDGE LINE
135	WB RTE 40	506+95	507+60	LT	67		WB RTE 40 TURN LANE WHITE CENTERLINE
135	WB RTE 40	507+10		RT	18		STOP BAR
135	WB RTE 40	507+10	509+65	RT	254		WB RTE 40 TURN LANE WHITE CENTERLINE
135	WB RTE 40	507+10	509+61	RT	250		WB RTE 40 TURN LANE YELLOW EDGE LINE
135	WB RTE 40	507+60	509+32	LT	43		INTERMITTENT WHITE STRIP
135	WB RTE 40	509+32	510+63	LT/RT	55		2 FT. LINE, 4 FT GAP MARKING
135	EB RTE 40	509+55	510+33	LT	35		2 FT. LINE, 4 FT GAP MARKING
135	NB I-470 RAMP EXIT	7+00	10+43	LT	343		NB I-470 RAMP EXIT YELLOW EDGE LINE
135	NB I-470 RAMP EXIT	7+00	10+43	LT	343		NB I-470 RAMP EXIT WHITE EDGE LINE
135	NB I-470 RAMP EXIT	8+42		LT		2	LEFT TURN ARROW
135	NB I-470 RAMP EXIT	9+67		LT		2	LEFT TURN ARROW
136	EB RTE 40	515+24	516+82	RT	159		EB RTE 40 TURN LANE WHITE EDGE LINE
136	EB RTE 40	515+39		RT		1	RIGHT TURN ARROW
136	EB RTE 40	516+56		RT		1	RIGHT TURN ARROW
136	EB RTE 40	517+33	518+06	LT	41		2 FT. LINE, 4 FT GAP MARKING
136	EB RTE 40	518+40	524+57	LT	154		INTERMITTENT WHITE STRIP
136	EB RTE 40	518+58	521+11	RT	253		EB RTE 40 TURN LANE WHITE EDGE LINE
136	EB RTE 40	518+83	524+82	LT	599		EB RTE 40 YELLOW EDGE LINE
136	EB RTE 40	519+12	521+33	RT	221		EB RTE 40 WHITE EDGE LINE
136	EB RTE 40	519+40		RT		1	RIGHT TURN ARROW
136	EB RTE 40	520+67		RT		1	RIGHT TURN ARROW
136	EB RTE 40	521+98	521+15	RT	17		STOP BAR
136	EB RTE 40	522+65	524+82	RT	219		EB RTE 40 WHITE EDGE LINE
\$PM3\$-\$PM6\$	EB RTE 40	527+18	528+70	LT	152		EB RTE 40 YELLOW EDGE LINE
\$PM3\$-\$PM6\$	EB RTE 40	527+18	533+20	CL	121		INTERMITTENT WHITE STRIP
\$PM3\$-\$PM6\$	EB RTE 40	527+18	532+10	RT	347		EB RTE 40 TURN LANE WHITE EDGE LINE
139	EB RTE 40	529+74	533+20	RT	345		EB RTE 40 WHITE EDGE LINE
139	EB RTE 40	529+81		RT		1	RIGHT TURN ARROW
139	EB RTE 40	530+67	533+32	LT	265		EB RTE 40 YELLOW EDGE LINE
139	EB RTE 40	531+05	533+20	LT	215		EB RTE 40 WHITE EDGE LINE

PAVEMENT MARKING REMOVAL - VALLEY VIEW PKWY				
SHEET	ROADWAY	REMOVAL (LF)	REMOVAL (EA)	REMARKS
141	E VALLEY VIEW PKWY		18	LEFT/RIGHT TURN ARROWS
141	E VALLEY VIEW PKWY	48		STOP BARS
141	E VALLEY VIEW PKWY	95		YELLOW HASH BARS
141	E VALLEY VIEW PKWY	183		6" SOLID YELLOW LINE
141	E VALLEY VIEW PKWY	87		2 FT. LANE, 6 FT. GAP MARKING
141	E VALLEY VIEW PKWY	505		INTERMITTENT WHITE STRIP
141	E VALLEY VIEW PKWY	1182		6" SOLID WHITE LINE
SUBTOTAL		2,100	18	
PAY TOTAL		2,100	18	

PAVEMENT EDGE TREATMENT		
TTC PHASE	PAVEMENT EDGE TREATMENT (LF)	REMARKS
PHASE 1		
	1,805	
PHASE 2		
	1,019	
PHASE 3		
	1,563	
PHASE 4		
	348	
SUBTOTAL	4,735	
PAY TOTAL	4,735	

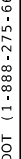
NOTE: PAVEMENT EDGE TREATMENT TO BE USED
IN PLACE OF TEMPORARY TRAFFIC BARRIER IN
AREAS WHERE SUCH BARRIERS ARE PROPOSED,
AT ENGINEER'S DISCRETION



DATE PREPARED	
6/8/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO
KC	3

COUNTY	JACKSON
JOB NO.	JKU0066
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SUMMARY OF QUANTITIES
SHEET 12 OF 20

LIGHTING CABLE/CABLE-CONDUIT								
FROM	TO	CENTER TO CENTER (LF)	CABLE-CONDUIT 1 IN. - 2C#8 AWG & 1 BARE NEUTRAL (LF)	CABLE 2 AWG 1 CONDUCTOR (LF)	TYPE I TRENCHING (LF)	CABLE 1C#8 AWG (LF)	WIRE 1C#8 NEUTRAL (LF)	REMARKS
RTE 40 AND CLIFF AVE/BASS PRO DR								
POWER	PB 1	19	33		22			CIRCUIT B
PB 1	PB 2	141	153		-			CIRCUIT B
PB 2	LP1B01	133	141		134			CIRCUIT B
PB 2	PB 3	122	134		-			CIRCUIT B
PB 3	LP1B02	25	33		26			CIRCUIT B
RTE 40 AND CLIFF AVE/BASS PRO DR SUBTOTALS			500		190			
RTE 40 AND SB I-470 ON/OFF RAMP								
POWER	CONTROLLER	18		102				POWER TO CONTROLLER
CONTROLLER	PB 1	9	56		12			CIRCUITS B,C
PB 1	LP2B01	10	18		11			CIRCUIT B
PB 1	PB 2	84	192		-			CIRCUIT B,C
PB 2	LP2B02	37	45		38			CIRCUIT B
PB 2	PB 3	55	67		53			CIRCUIT C
PB 3	PB 4	66	78		-			CIRCUIT C
PB 4	JB 1	25				74	37	CIRCUIT C
JB 1	WL2C01	20				68	34	CIRCUIT C
JB 1	JB 3	56				136	68	CIRCUIT C
JB 3	WL2C02	23				74	37	CIRCUIT C
JB 3	JB 5	65				154	77	CIRCUIT C
JB 5	WL2C03	22				72	36	CIRCUIT C
CONTROLLER	PB 7	28	47		31			CIRCUIT A
PB 7	LP2A01	40	53		41			CIRCUIT A
PB 7	PB 6	161	173		-			CIRCUIT A
PB 6	LP2A02	17	30		18			CIRCUIT A
PB 6	PB 5	165	177		-			CIRCUIT A
PB 5	EXLP102	23	31		24			CIRCUIT A
RTE 40 AND SB I-470 ON/OFF RAMP SUBTOTALS			970	110	230	580	290	
RTE 40 AND NB I-470 ON/OFF RAMP								
POWER	CONTROLLER	50		198				POWER TO CONTROLLER
CONTROLLER	PB 1	4	54		7			CIRCUITS A,B,C
PB 1	LP3A01	23	31		24			CIRCUIT A
PB 1	PB 2	169	543		-			CIRCUITS A,B,C
PB 2	LP3A02	17	28		18			CIRCUIT A
PB 2	PB 3	80	92		-			CIRCUIT C
PB 3	JB 1	26				76	38	CIRCUIT C
JB 1	WL3C01	19				66	33	CIRCUIT C
JB 1	JB 3	68				160	80	CIRCUIT C
JB 3	WL3C02	24				76	38	CIRCUIT C
JB 3	JB 5	56				136	68	CIRCUIT C
JB 5	WL3C03	21				70	35	CIRCUIT C
PB 2	PB 4	132	144		-			CIRCUIT B
PB 4	EXLP103	9	17		10			CIRCUIT B
PB 4	PB 5	95	107		-			CIRCUIT B
PB 5	LP3B01	6	14		7			CIRCUIT B
PB 4	PB 6	66	78		-			CIRCUIT B
PB 6	EXLP104	57	65		58			CIRCUIT B
RTE 40 AND NB I-470 ON/OFF RAMP SUBTOTALS			1,180	200	130	590	300	
RTE 40 AND ARROWHEAD DR/VALLEY VIEW PKWY								
POWER	PB 1	25	39		28			CIRCUIT A
PB 1	LP4A01	19	32		20			CIRCUIT A
PB 1	PB 2	163	175					CIRCUIT A
PB 2	LP4A02	83	96		84			CIRCUIT A
POWER	PB 6	10	24		13			CIRCUIT B
PB 6	PB 5	206	218					CIRCUIT B
PB 5	LP4B01	26	39		27			CIRCUIT B
PB 5	PB 4	153	165					CIRCUIT B
PB 4	LP4B02	50	63		51			CIRCUIT B
PB 4	LP4B03	16	29		17			CIRCUIT B
PB 4	PB 3	104	116					CIRCUIT B
PB 3	LP4B04	19	32		20			CIRCUIT B
RTE 40 AND ARROWHEAD DR/VALLEY VIEW PKWY SUBTOTALS			1,030		260			
RTE 40 AND LITTLE BLUE PKWY								
POWER	PB 1	20	34		23			CIRCUIT B
PB 1	PB 2	138	150					CIRCUIT B
PB 2	EXLP110	40	53		41			CIRCUIT B
PB 2	PB 3	119	131					CIRCUIT B
PB 3	LP5B01	10	23		11			CIRCUIT B
RTE 40 AND LITTLE BLUE PKWY SUBTOTALS			400		80			
PAY TOTAL			4,080	310	890	1,170	590	

NOTE: FLEXIBLE CONDUIT FOR
WALL PACK LUMINAIRES TO BE
PAID FOR WITH WALL PACK
LUMINAIRE BID ITEM.
(SEE JSP FOR DETAILS)



DATE PREPARED
8/18/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
3

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

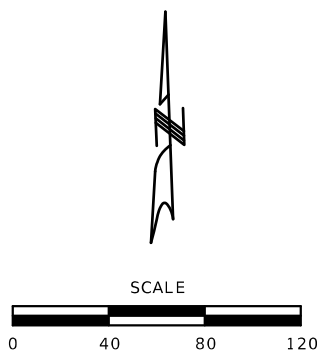
GARVER

SUMMARY OF QUANTITIES
SHEET 16 OF 20

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SE 1/4 NE 1/4
30-T49N-R31W

SW 1/4 NW 1/4
29-T49N-R31W



LEGEND

MILL AND FILL

SECTION LINE
START STA 485+32.55

WB ROUTE 40
S87°53'34"E

EB ROUTE 40

WB ROUTE 40

EB ROUTE 40

1/4 SECTION LINE

EXIST. R/W

EXIST. UTILITY ESMT.

EXIST. UTILITY ESMT.

EXIST. UTILITY ESMT.

TOLBERT JASMINE N

CRACKERNECK CREEK LLC

490

EXIST. UTILITY ESMT.

EXIST. WATER AND UTILITY ESMT.

EXIST. WATER ESMT.
EXIST. R/W

+00.04
65.00'

+50.04
70.00'

+50.04
65.00'

+00.04
70.00'

BEGIN PROJECT
WB ROUTE 40
STA 489+82.00

MATCHLINE WB ROUTE 40 STA. 493+90.00

NOTES:

1. THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE.
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 BEARINGS BASED ON STATE PLAN BEARINGS WESTERN ZONE
4. SEE PAVEMENT DETAILS SPECIAL SHEET 1 OF 6 FOR PAVEMENT TREATMENT DETAILS.

NE 1/4 SE 1/4
30-T49N-R31W

NW 1/4 SW 1/4
29-T49N-R31W

PLAN SHEET
SHEET 1 OF 6



DATE PREPARED 6/8/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 4
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

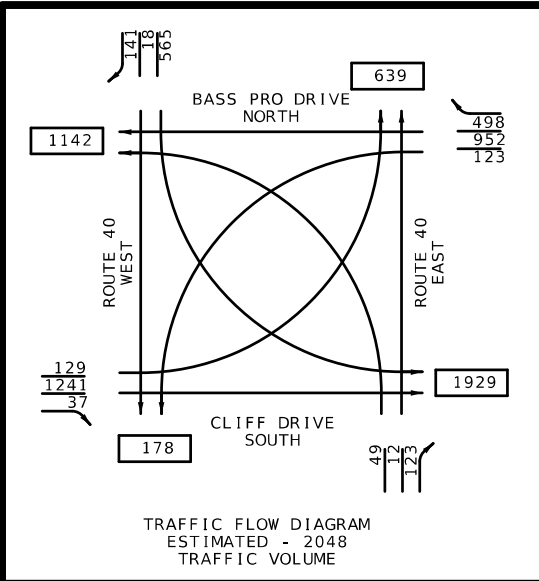
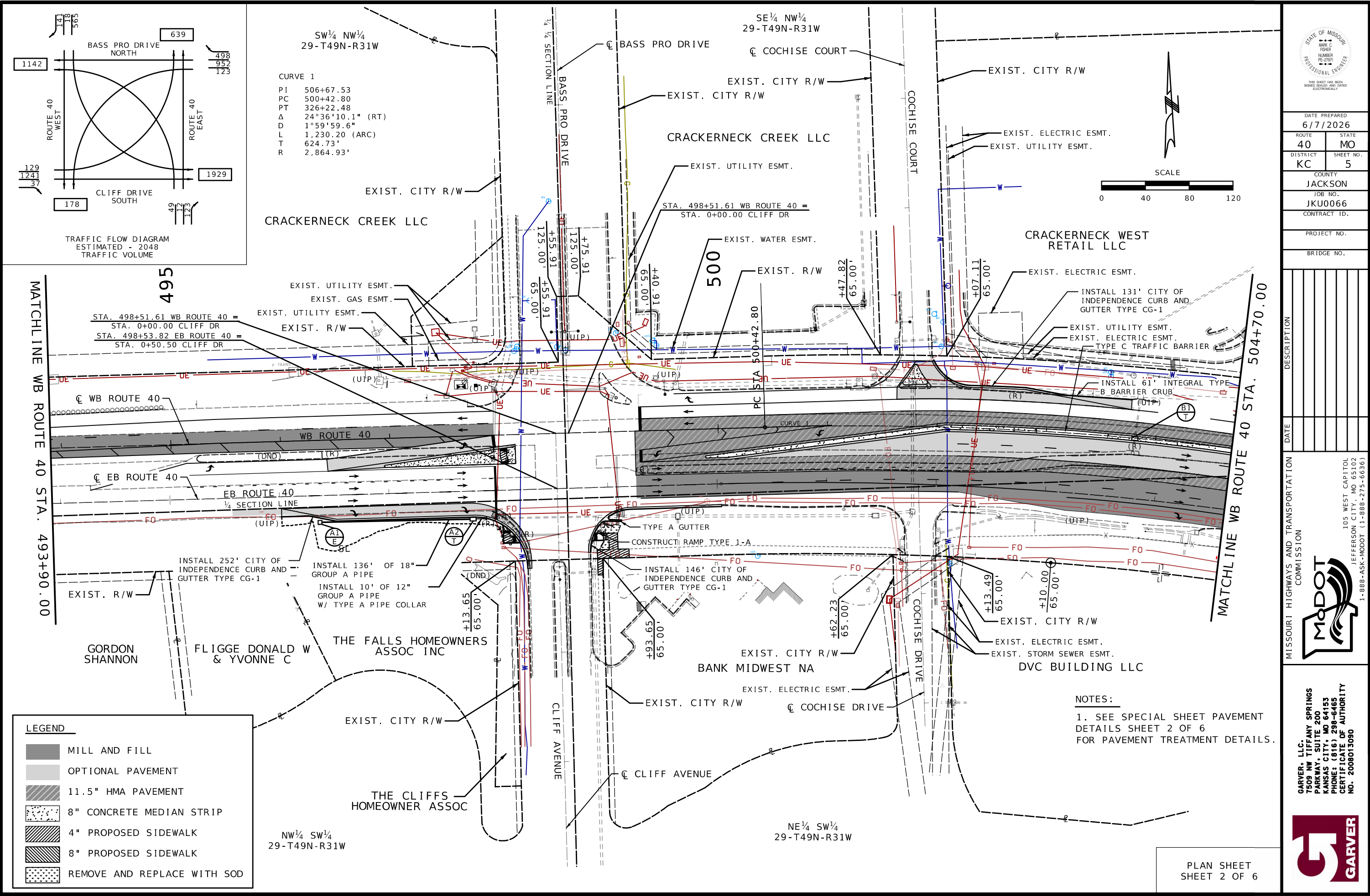
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

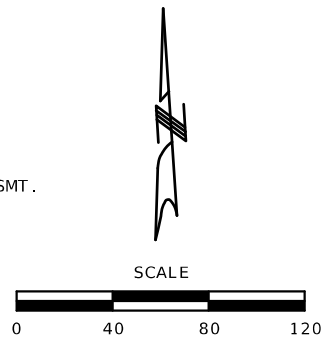
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





CURVE 1
PI 506+67.53
PC 500+42.80
PT 326+22.48
Δ 24°36'10.1" (RT)
D 1°59'59.6"
L 1,230.20 (ARC)
T 624.73'
R 2,864.93'



- LEGEND**
- MILL AND FILL
 - OPTIONAL PAVEMENT
 - 11.5" HMA PAVEMENT
 - 8" CONCRETE MEDIAN STRIP
 - 4" PROPOSED SIDEWALK
 - 8" PROPOSED SIDEWALK
 - REMOVE AND REPLACE WITH SOD

NOTES:
1. SEE SPECIAL SHEET PAVEMENT DETAILS SHEET 2 OF 6 FOR PAVEMENT TREATMENT DETAILS.

PLAN SHEET
SHEET 2 OF 6

STATE OF MISSOURI
MARK C. FISHER
REGISTERED PROFESSIONAL ENGINEER
PE-27971

DATE PREPARED
6/7/2026

ROUTE
40

DISTRICT
KC

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

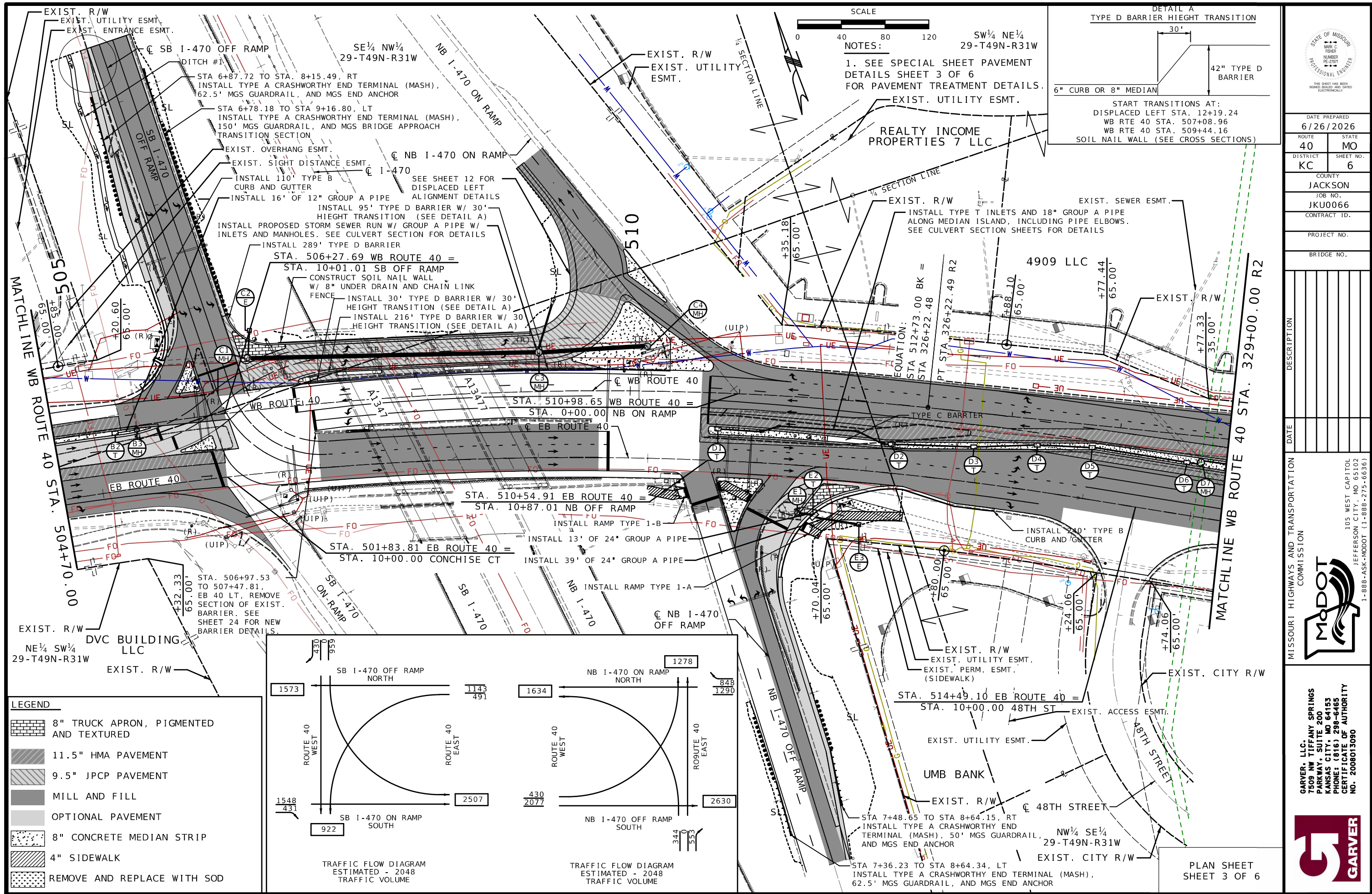
DESCRIPTION

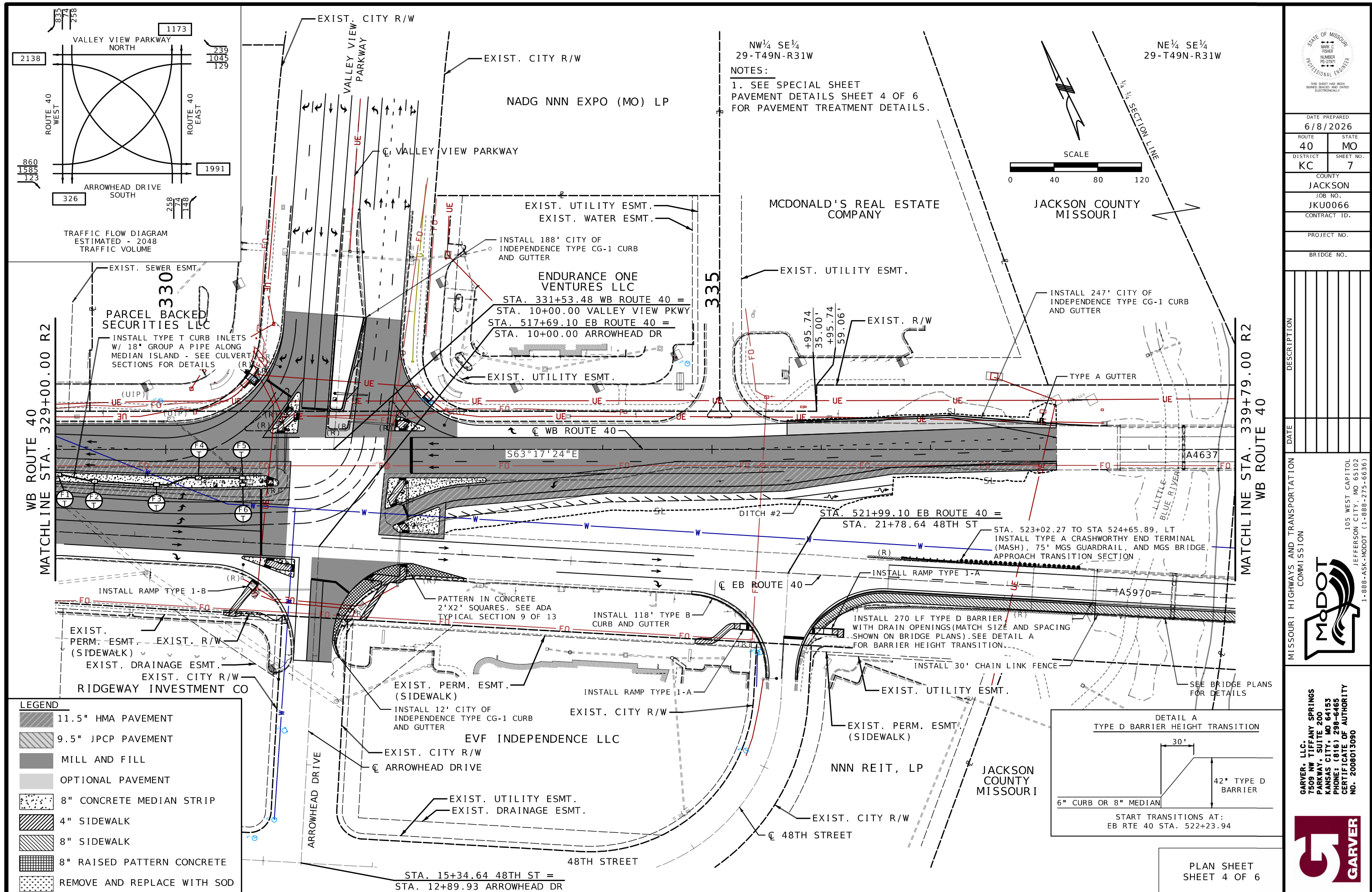
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

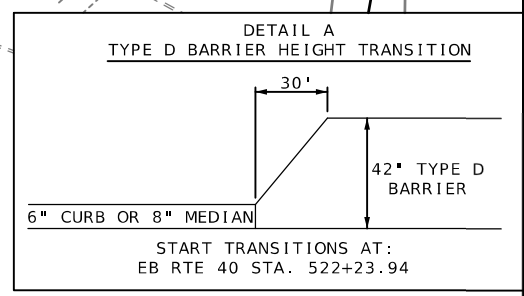
c:\projectwise\garver-pw.bentley.com_garver-pw-01\lauren.johnson\d0117796\005_PL_02_JKU0066_140.dgn 9:26:19 PM 6/7/2026





LEGEND

- 11.5" HMA PAVEMENT
- 9.5" JPCP PAVEMENT
- MILL AND FILL
- OPTIONAL PAVEMENT
- 8" CONCRETE MEDIAN STRIP
- 4" SIDEWALK
- 8" SIDEWALK
- 8" RAISED PATTERN CONCRETE
- REMOVE AND REPLACE WITH SOD



PLAN SHEET
SHEET 4 OF 6

STATE OF MISSOURI
MARK C. FISHER
REGISTERED PROFESSIONAL ENGINEER
PE-27971

DATE PREPARED
6/8/2026

ROUTE
40

DISTRICT
KC

COUNTY
JACKSON

JOB NO.
JKU0066

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)

Garver, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

c:\projectwise\garver-pw.bentley.com_garver-pw-01\eric.mutabazi\d0117796\007_PL_04_JKU0066_140.dgn 7:47:39 PM 6/8/2026

CURVE 3
PI 5+53.39
PC 3+10.03
PT 7+86.60
Δ 28°35'52.0" (LT)
D 6°00'2.7"
L 476.57' (ARC)
T 243.36'
R 954.81'

CURVE 4
PI 13+08.38
LS 200.00'
YS 3.49'
XS 199.95'
LT 133.35'
ST 66.68'

NOTES:
1. SEE SPECIAL SHEET
PAVEMENT DETAILS SHEET 1 OF 6
FOR PAVEMENT TREATMENT DETAILS.

BRESETTE ELIZABETH
MOORE BUNDSCHU

GETTY LEASING INC

NE 1/4 SE 1/4
29-T49N-R31W

EXIST. R/W

EB ROUTE 40
WB ROUTE 40

WB ROUTE 40

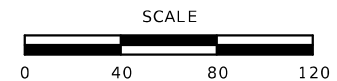
CPSC TWO LLC

INSTALL 26' OF 15" GROUP A PIPE

CRACKERNECK PLAZA
SHOPPING CENTER INVEST

SE 1/4 SE 1/4
29-T49N-R31W

PLAN SHEET
SHEET 6 OF 6



LEGEND

- 8" MODIFIED PAVED APPROACH
- 9.5" JPCP PAVEMENT
- MILL AND FILL
- OPTIONAL PAVEMENT
- 8" CONCRETE MEDIAN ISLAND
- 4" SIDEWALK



DATE PREPARED
6/30/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 9

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

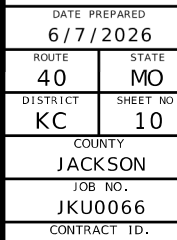
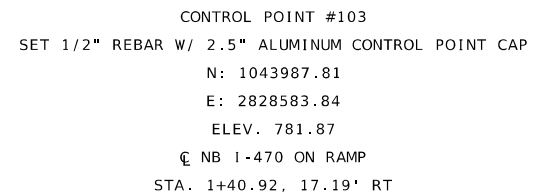
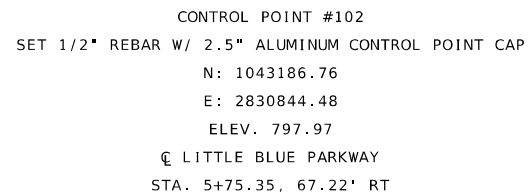
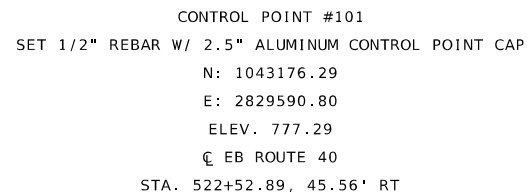
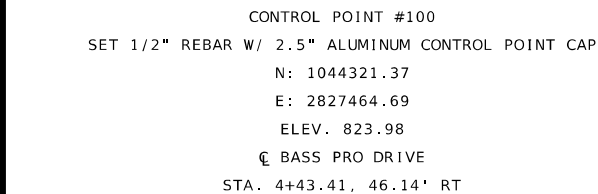
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



REFERENCE POINTS
SHEET 1 OF 1



DATE PREPARED
6/8/2026

ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 13

COUNTY JACKSON
JOB NO. JKU0066
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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



- CURVE 1

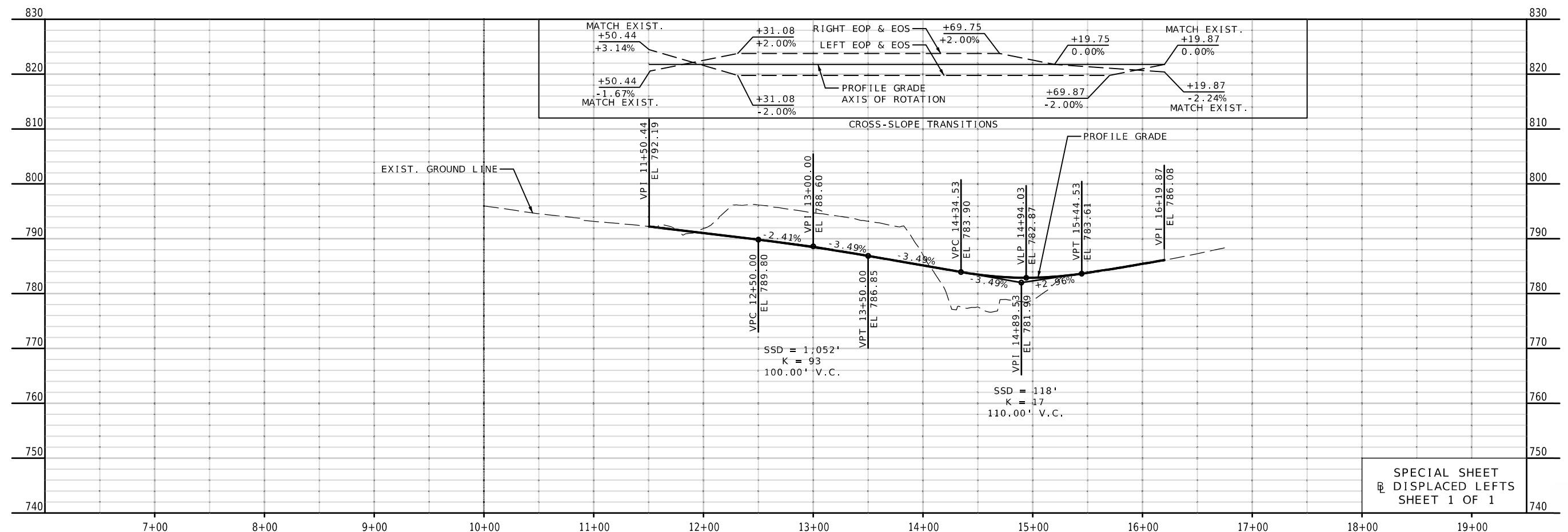
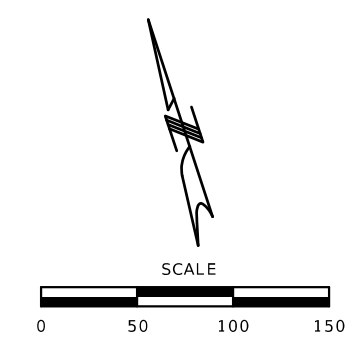
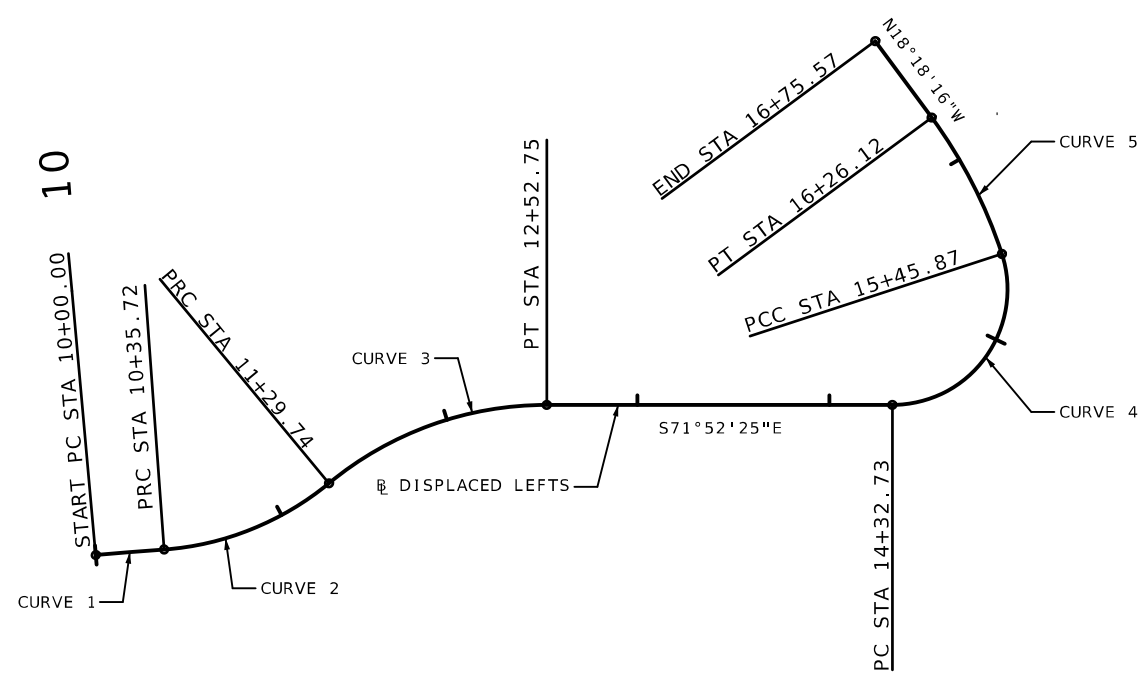
PI 10+84.29
PC 10+35.72
PT 11+29.74
Δ 35°26'30.6" (RT)
D 37°41'40.5"
L 94.02' (ARC)
T 48.57'
R 152.00'
- CURVE 2

PI 10+84.29
PC 10+35.72
PT 11+29.74
Δ 35°26'30.6" (RT)
D 37°41'40.5"
L 94.02' (ARC)
T 48.57'
R 152.00'
- CURVE 3

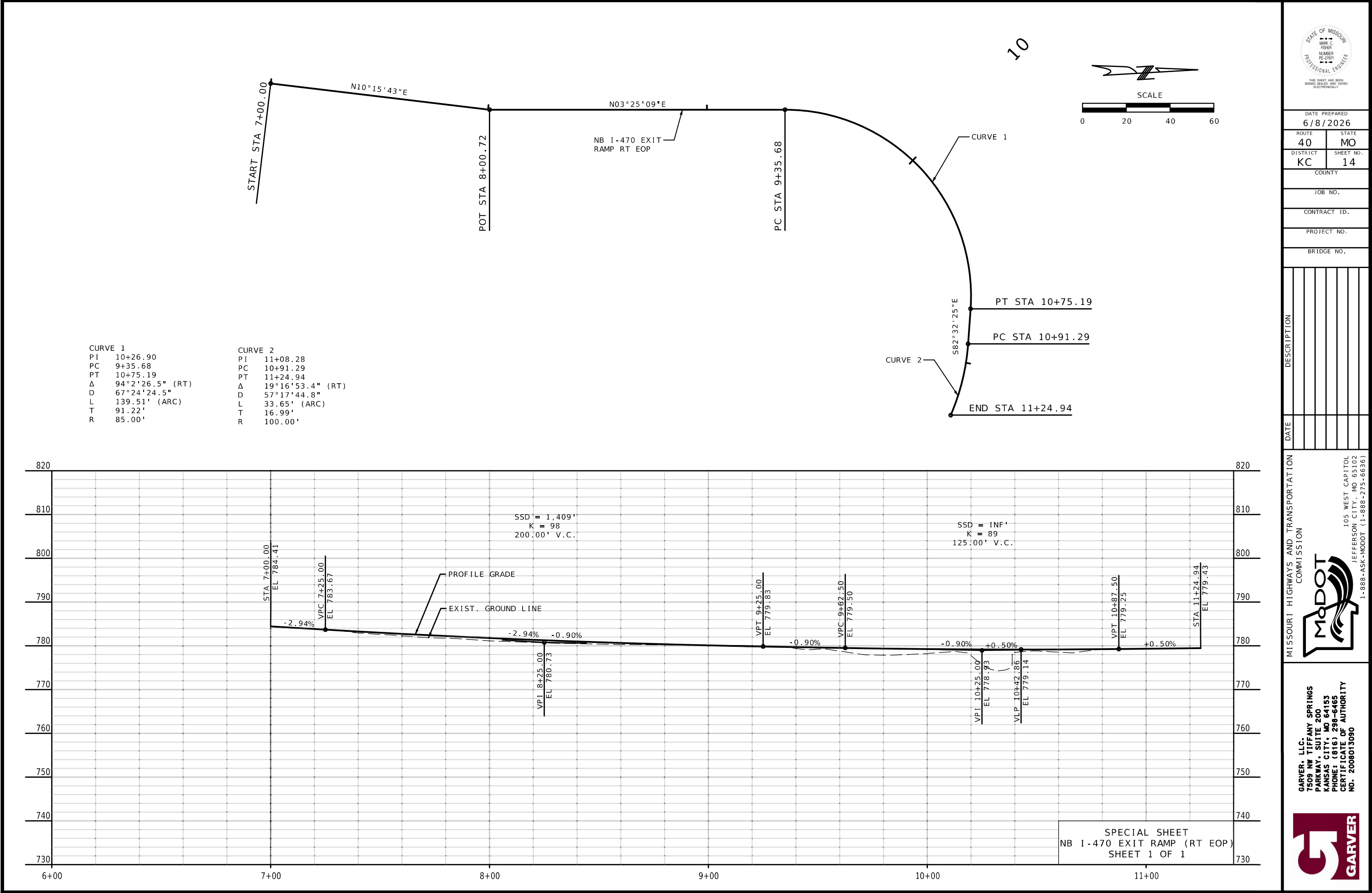
PI 11+93.81
PC 11+29.74
PT 12+52.75
Δ 39°35'41.0" (RT)
D 32°11'19.1"
L 123.01' (ARC)
T 64.07'
R 178.00'
- CURVE 4

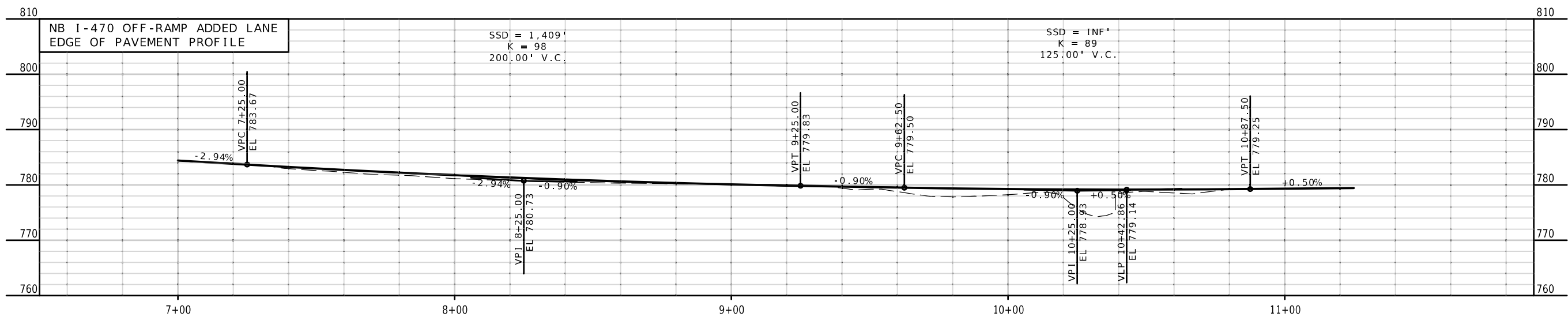
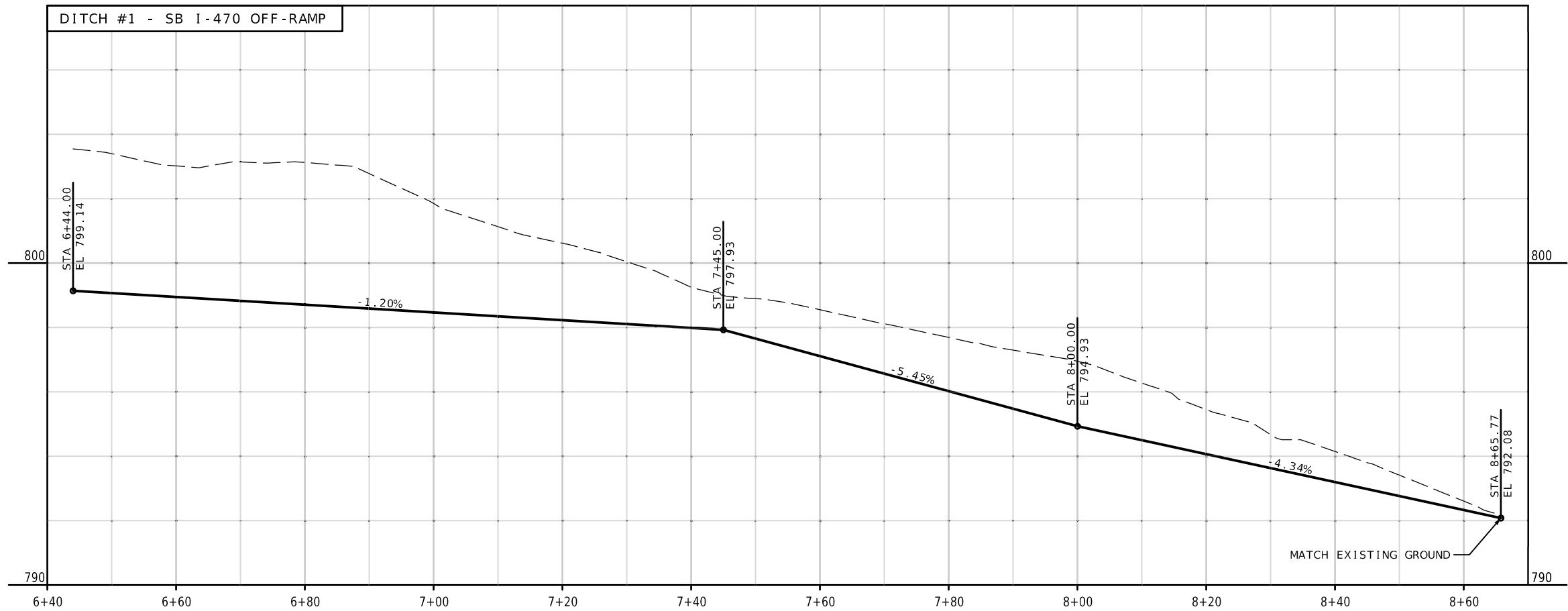
PI 15+15.37
PC 14+32.73
PT 15+45.87
Δ 108°2'23.6" (RT)
D 95°29'34.7"
L 113.14' (ARC)
T 82.64'
R 60.00'
- CURVE 5

PI 15+86.34
PC 15+45.87
PT 16+26.12
Δ 18°23'27.7" (RT)
D 22°55'5.9"
L 80.25' (ARC)
T 40.47'
R 250.00'



SPECIAL SHEET
DISPLACED LEFTS
SHEET 1 OF 1





SPECIAL SHEET
DITCH PROFILES
SHEET 1 OF 2



DATE PREPARED
6/8/2026

ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 15

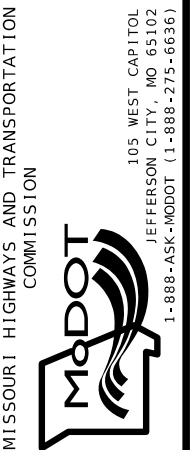
COUNTY
JACKSON

JOB NO.
JKU0066
CONTRACT ID.

PROJECT NO.

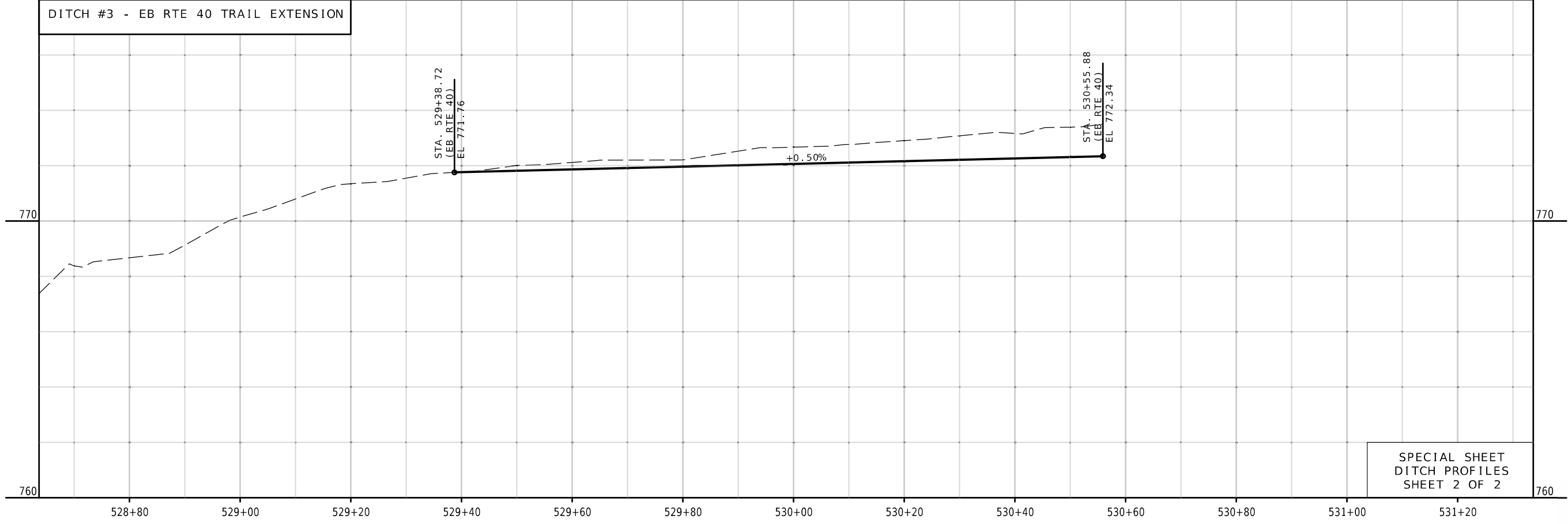
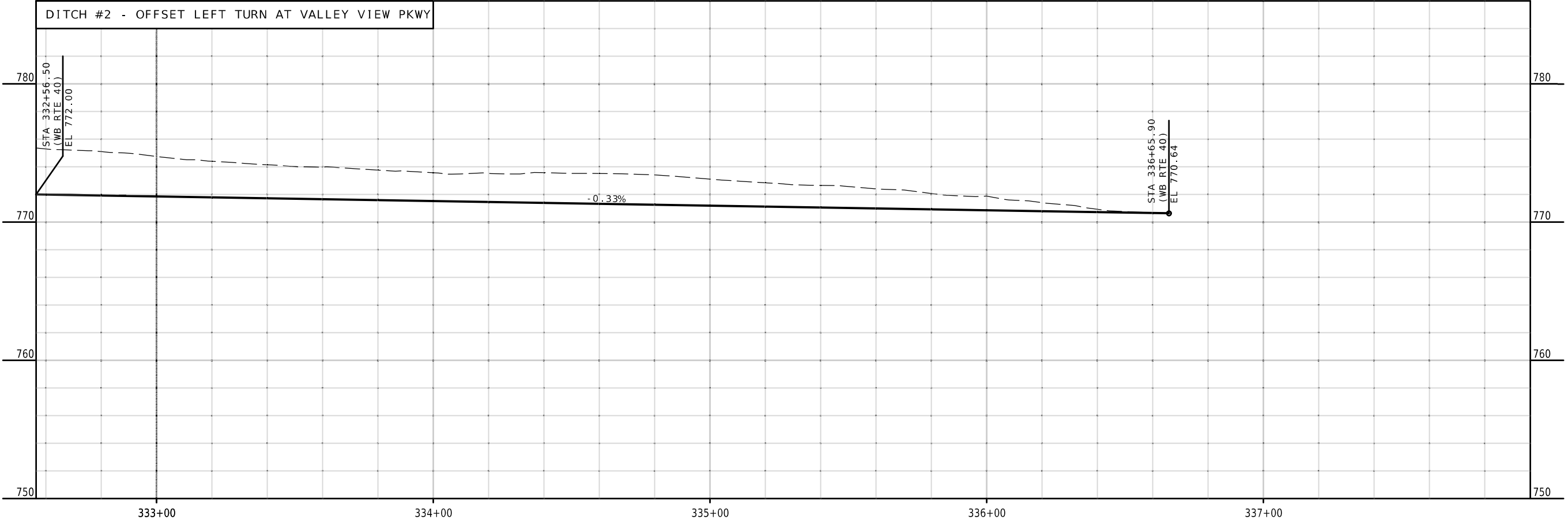
BRIDGE NO.

DATE	DESCRIPTION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





SPECIAL SHEET
DITCH PROFILES
SHEET 2 OF 2



DATE PREPARED
6/8/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 16

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

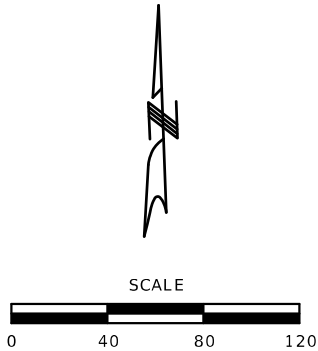
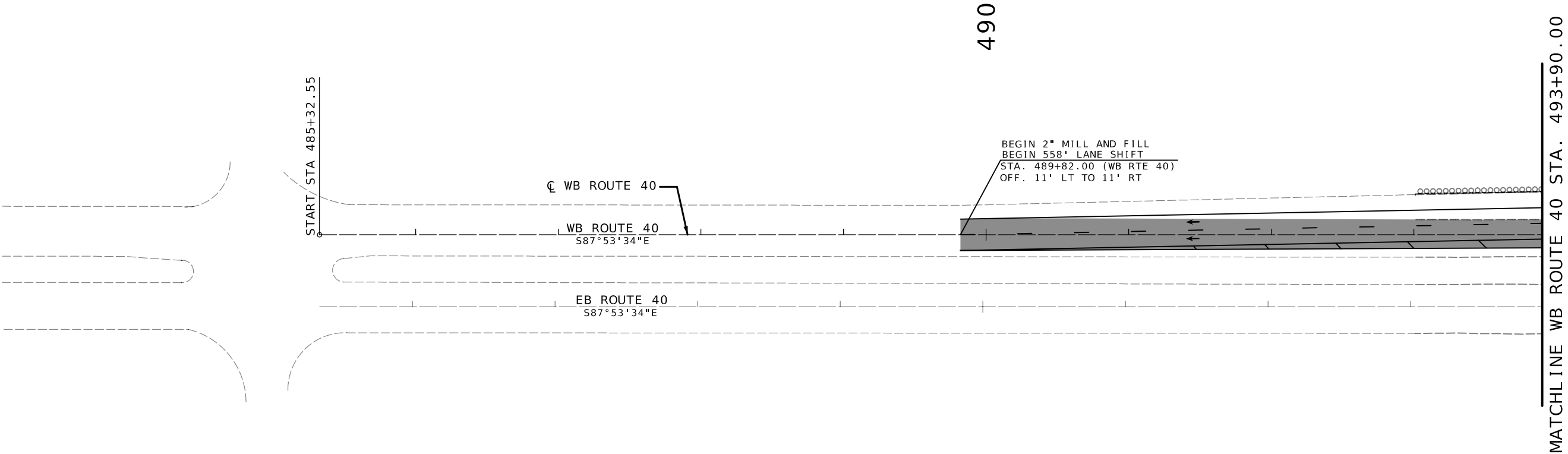
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



LEGEND

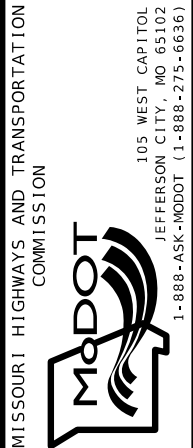
MILL AND FILL



SPECIAL SHEET
PAVEMENT DETAILS
SHEET 1 OF 6

DATE	DESCRIPTION

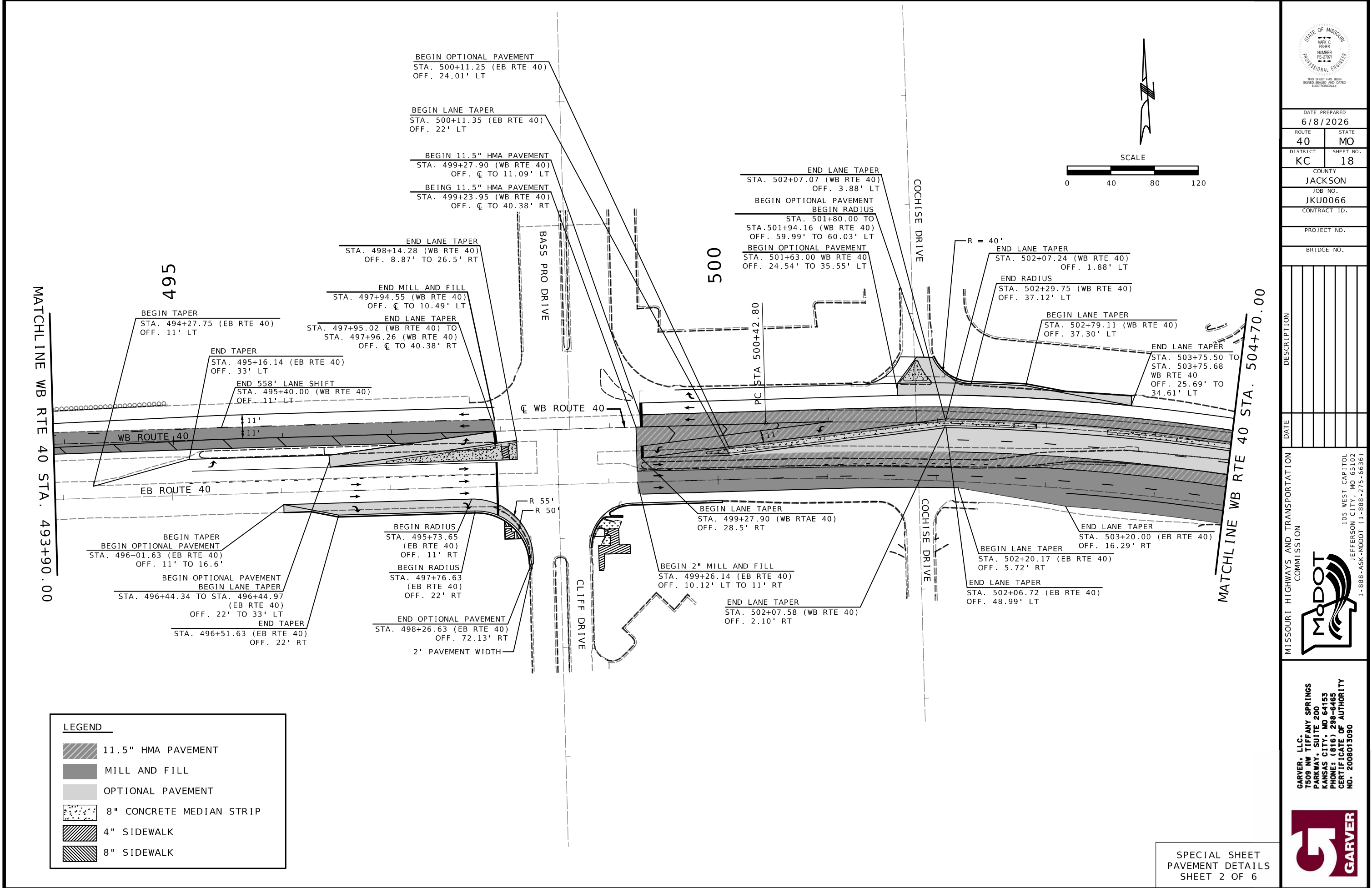
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



STATE OF MISSOURI
MARK C. FISHER
NUMBER PE-27971
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED 6/7/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 17
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



LEGEND	
	11.5" HMA PAVEMENT
	MILL AND FILL
	OPTIONAL PAVEMENT
	8" CONCRETE MEDIAN STRIP
	4" SIDEWALK
	8" SIDEWALK

SPECIAL SHEET
PAVEMENT DETAILS
SHEET 2 OF 6

DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
18

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

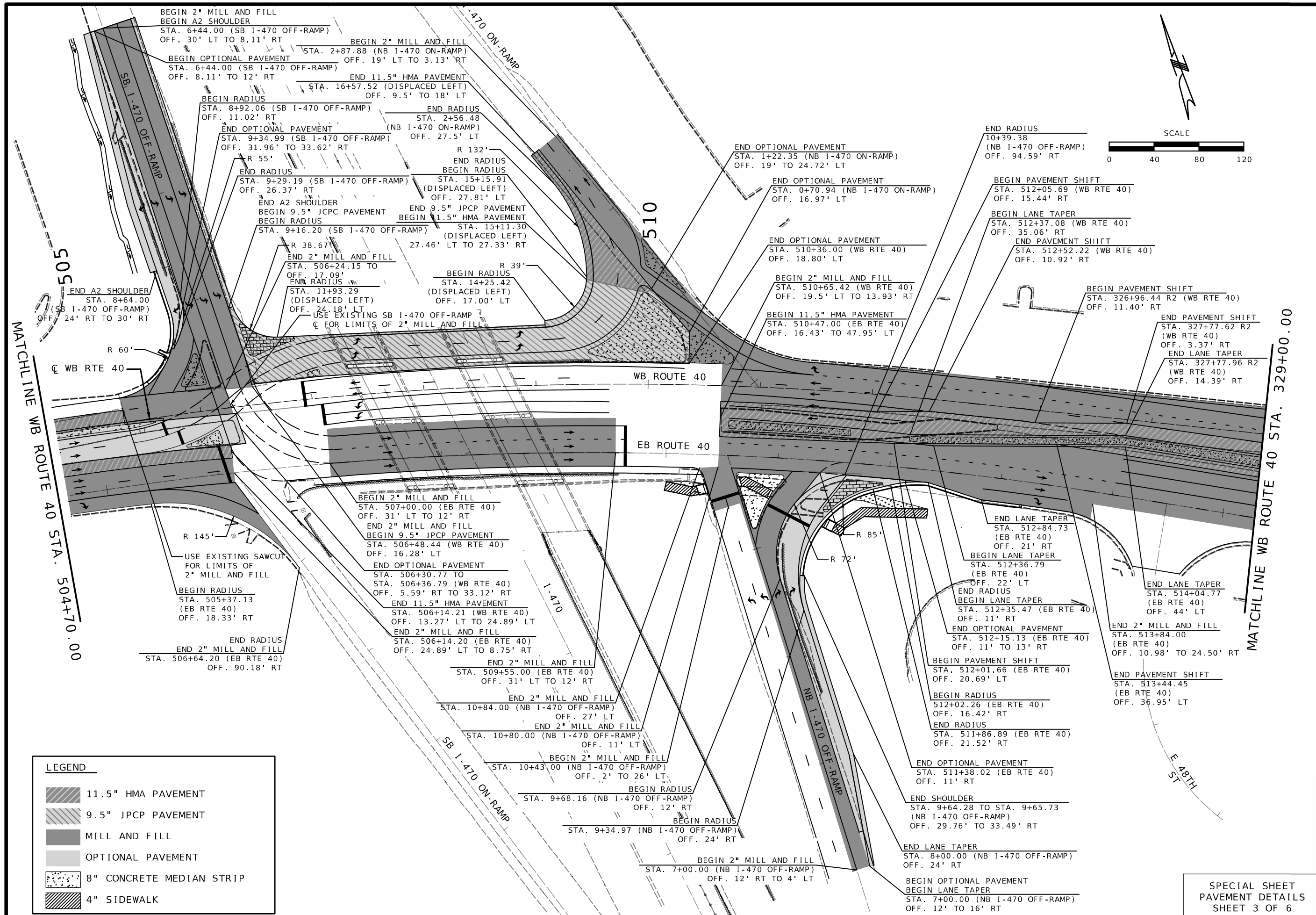
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



STATE OF MISSOURI
MARK C. FISHER
REGISTERED PROFESSIONAL ENGINEER
PE-27971

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/7/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
19

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

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

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

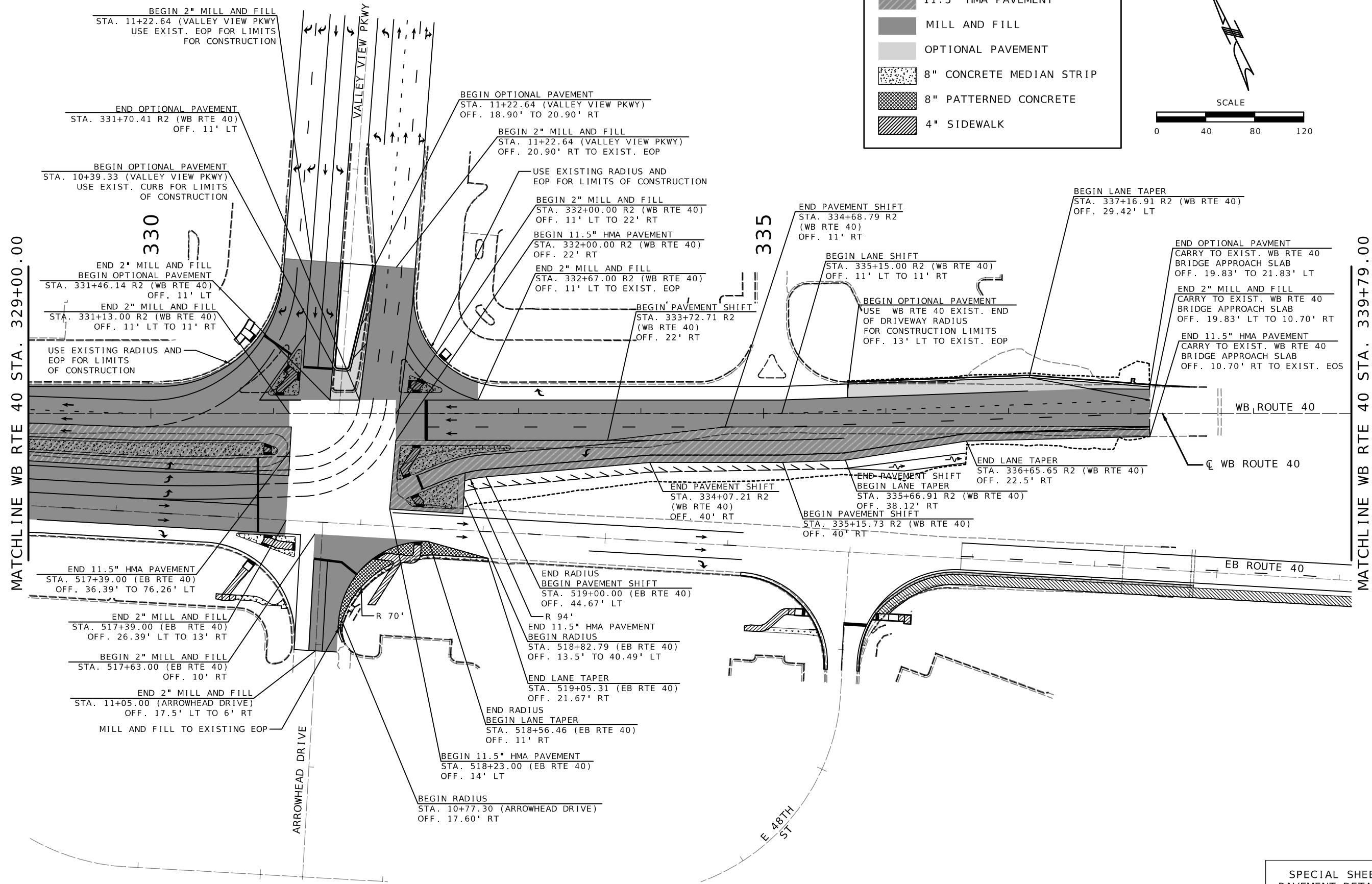
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER

GARVER

SPECIAL SHEET
PAVEMENT DETAILS
SHEET 3 OF 6

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LEGEND

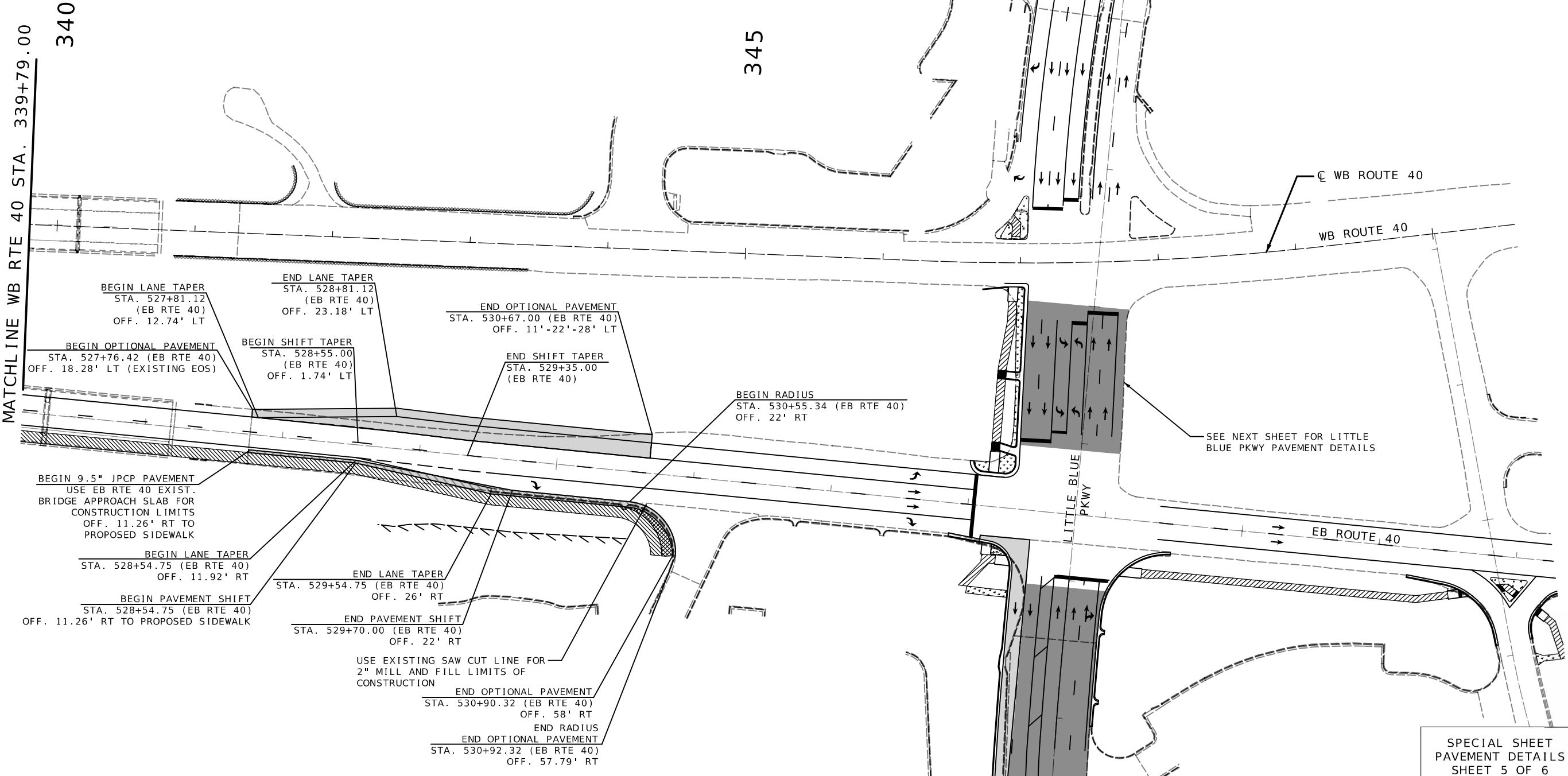
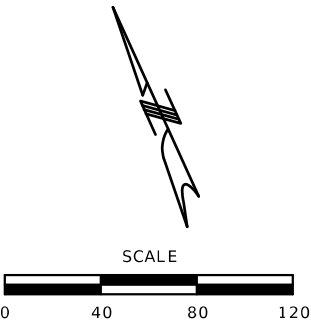
9.5" JPCP PAVEMENT

MILL AND FILL

OPTIONAL PAVEMENT

8" CONCRETE MEDIAN STRIP

4" SIDEWALK



STATE OF MISSOURI

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
ELECTRONICALLY
SEALING

NUMBER
PE-2001

NAME
C. FOSBER

DATE PREPARED

6/30/2026

ROUTE

40

STATE

MO

DISTRICT

KC

SHEET NO.

21

COUNTY

JACKSON

JOB NO.

JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

GARVER, LLC.

7509 NW TIFFANY SPRINGS

PARKWAY, SUITE 200

KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY

NO. 2008013090

3

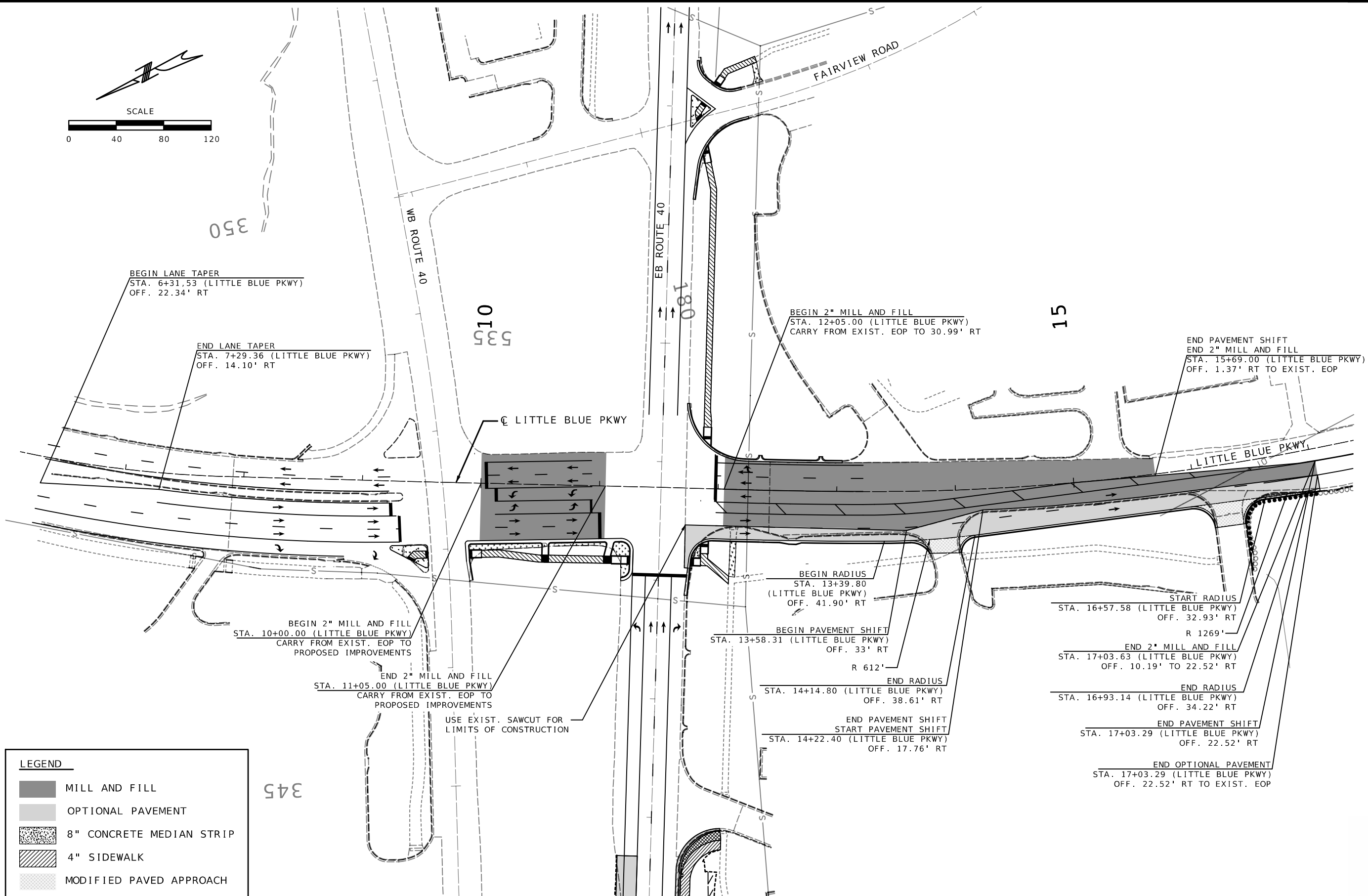
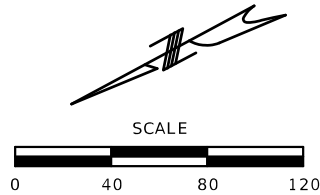
GARVER

SPECIAL SHEET

PAVEMENT DETAILS

SHEET 5 OF 6

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- LEGEND**
- MILL AND FILL
 - OPTIONAL PAVEMENT
 - 8" CONCRETE MEDIAN STRIP
 - 4" SIDEWALK
 - MODIFIED PAVED APPROACH

SPECIAL SHEET
PAVEMENT DETAILS
SHEET 6 OF 6



DATE PREPARED 6/30/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 22
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

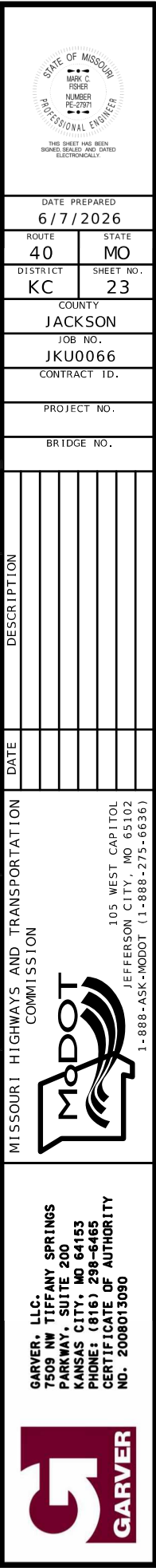
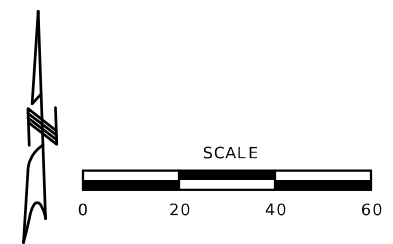
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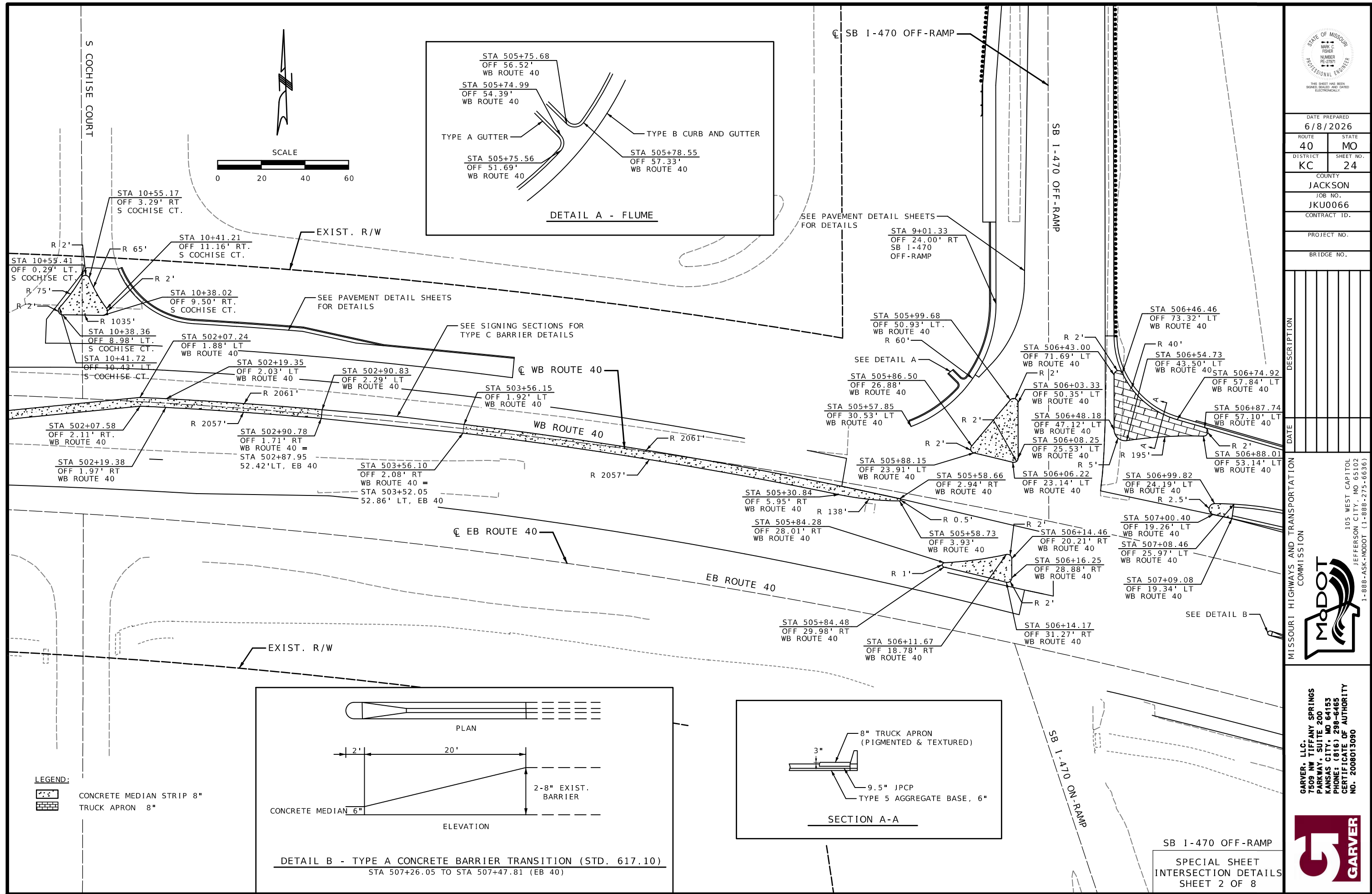
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

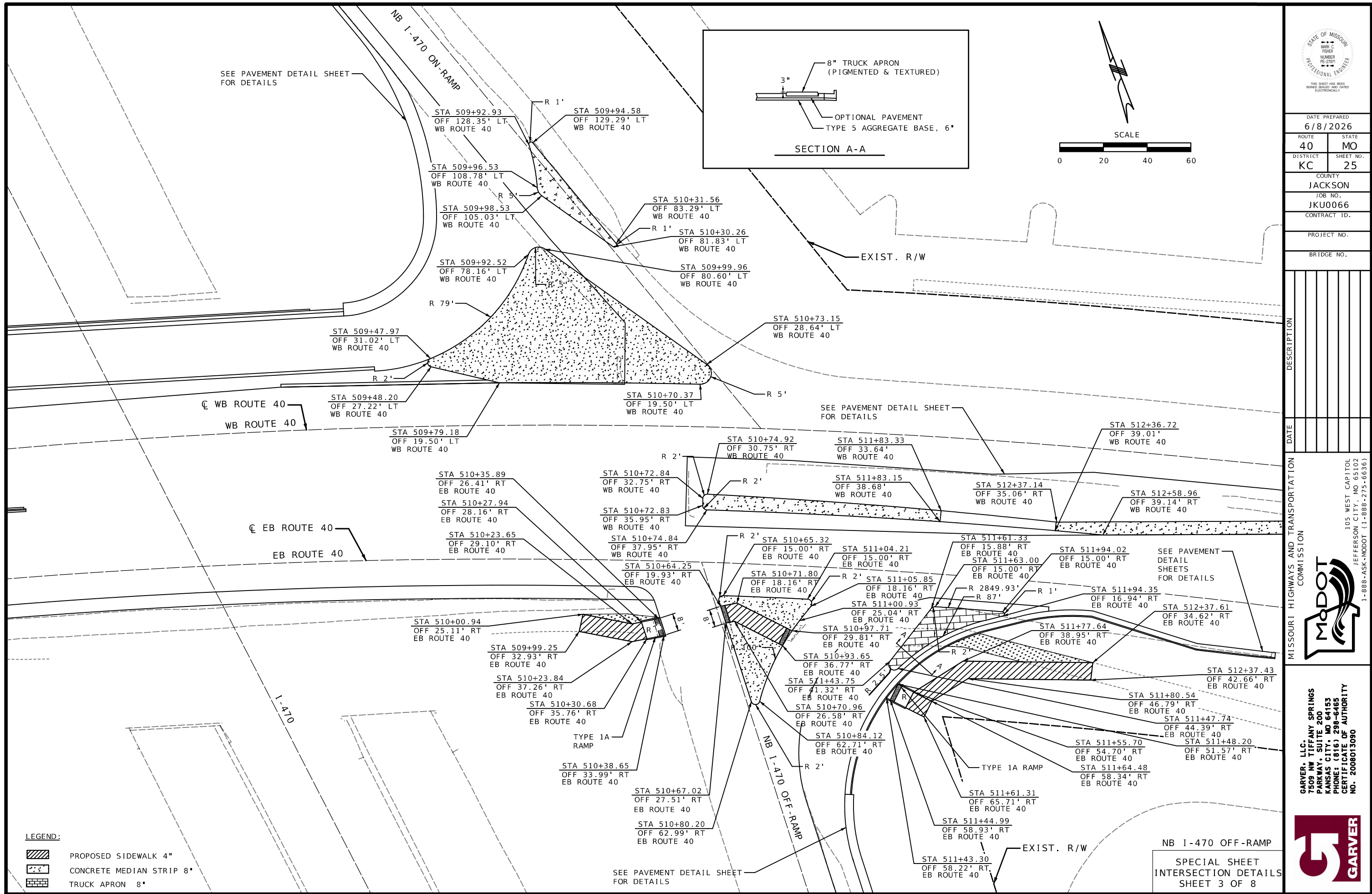
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

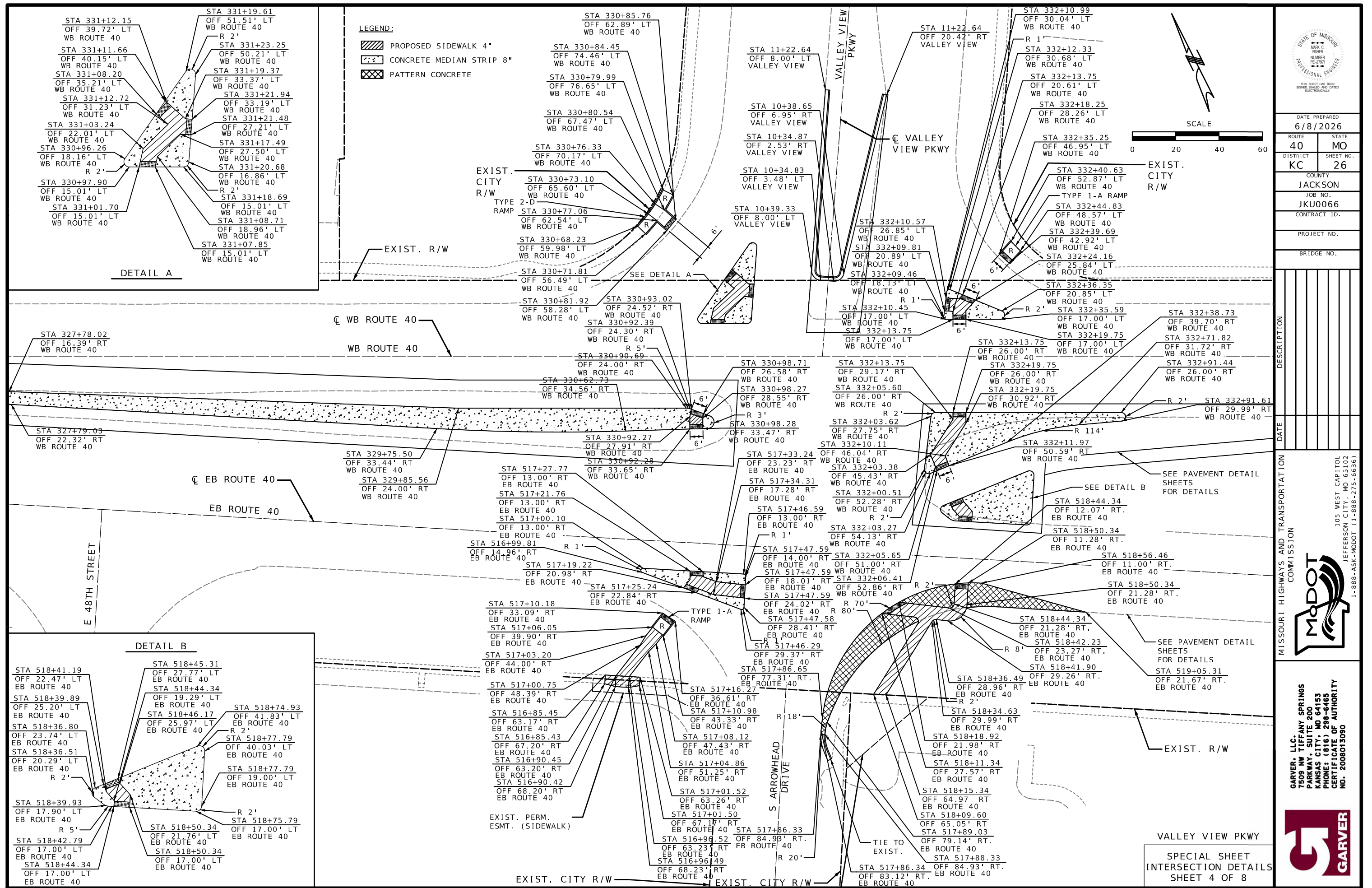
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

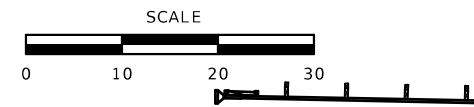










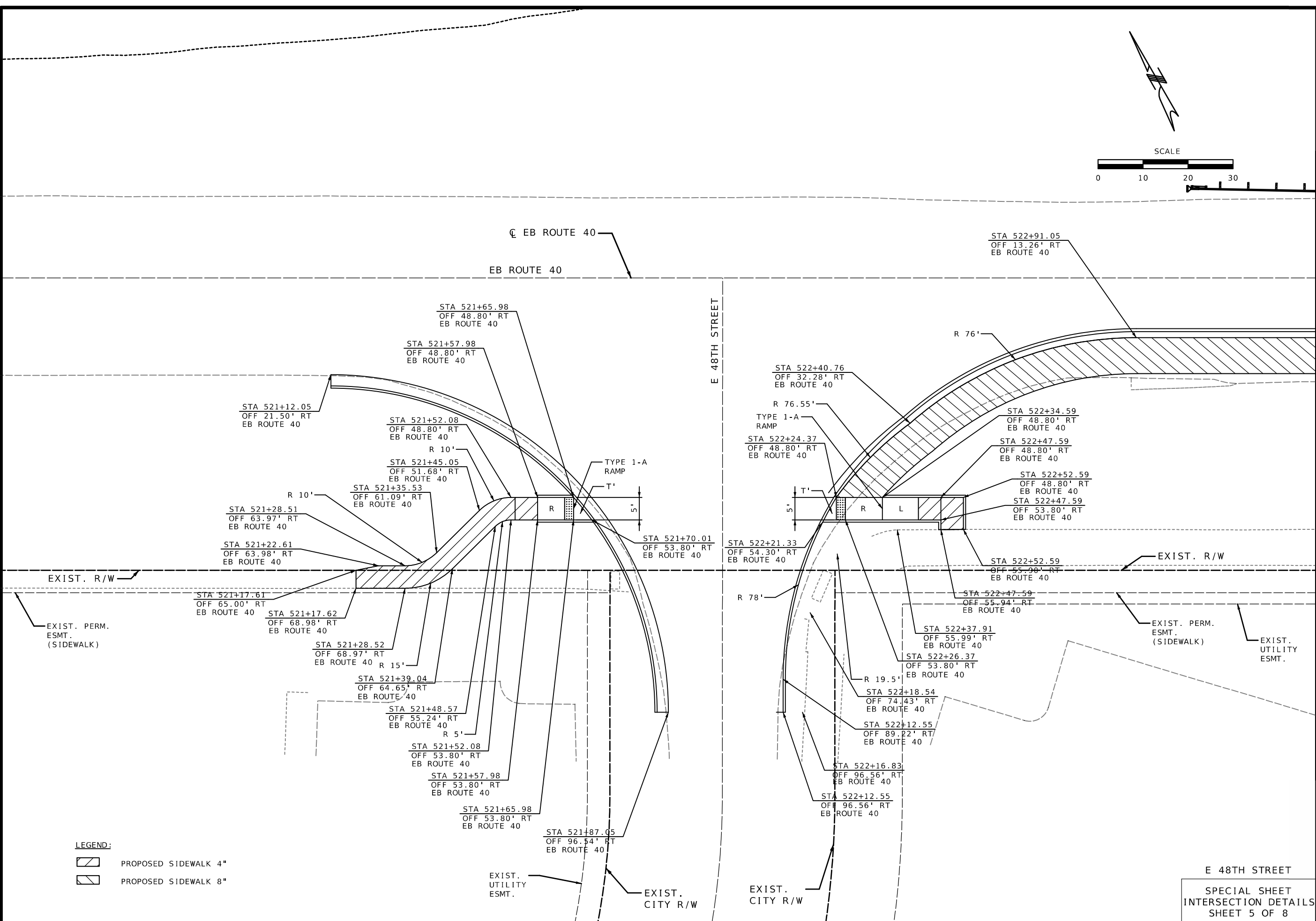
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GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

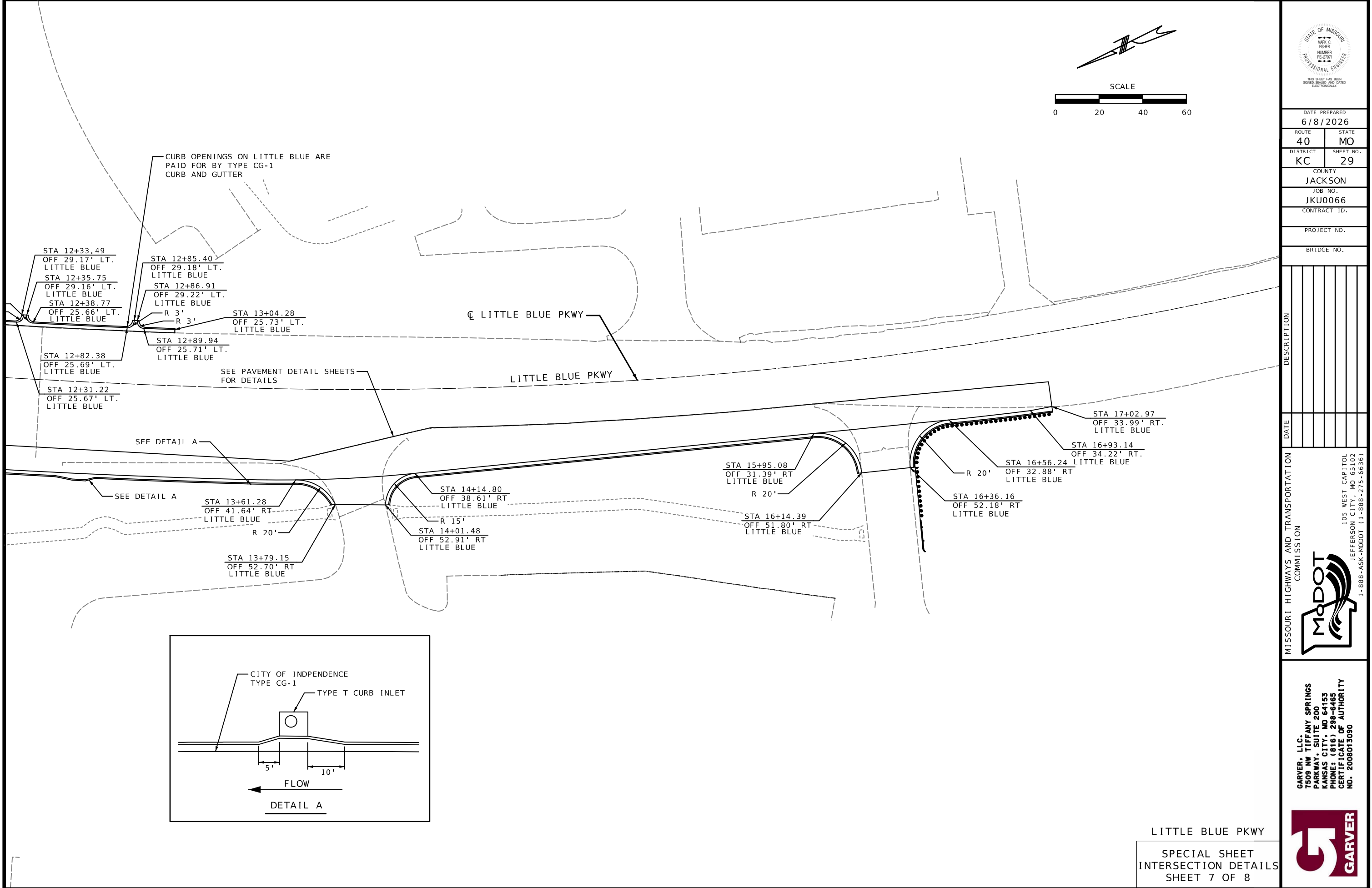


E 48TH STREET

SPECIAL SHEET
INTERSECTION DETAILS
SHEET 5 OF 8







DATE PREPARED 6/8/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 29
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

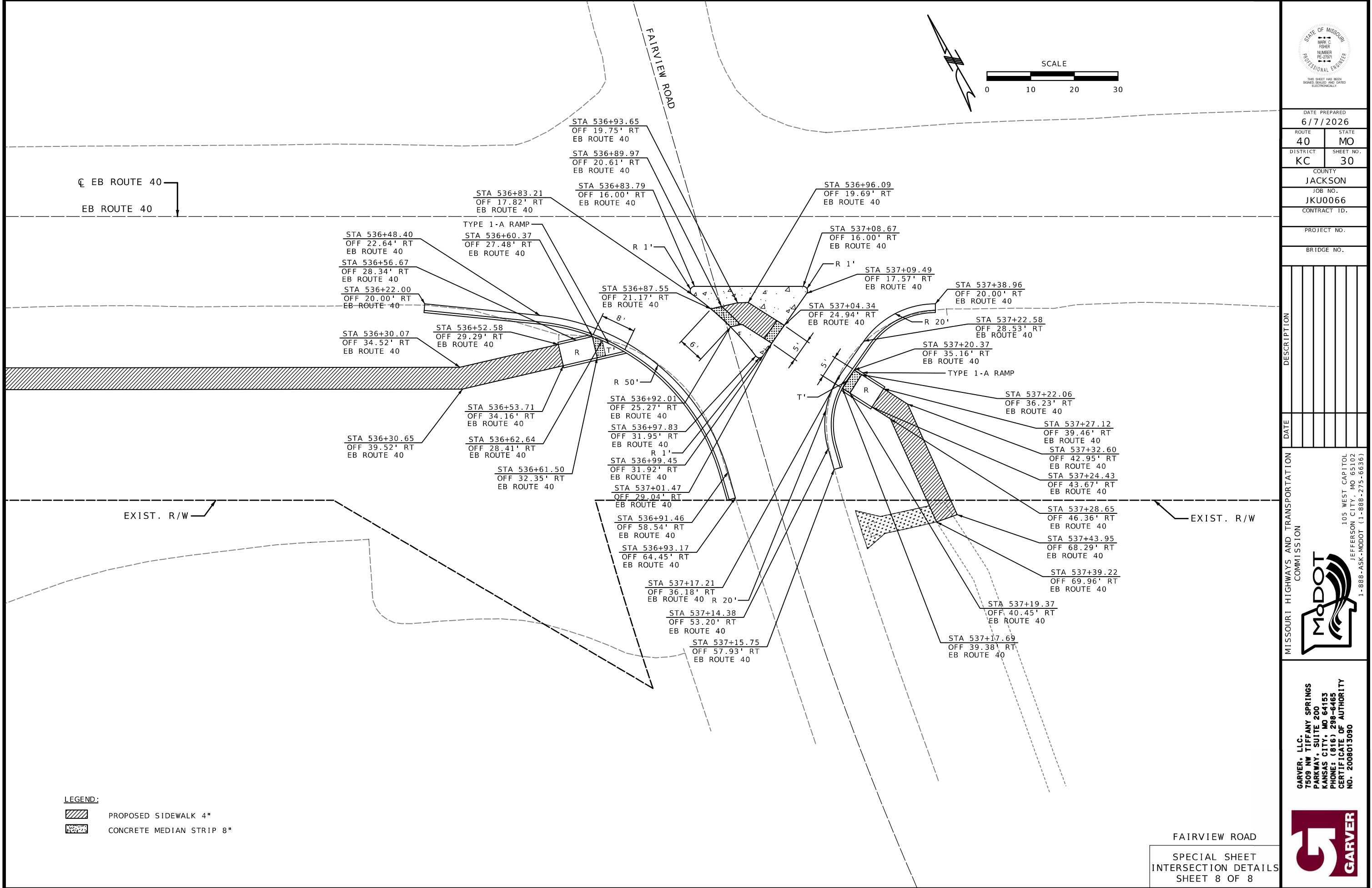
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

LITTLE BLUE PKWY
SPECIAL SHEET
INTERSECTION DETAILS
SHEET 7 OF 8





DATE PREPARED 6/7/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 30
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

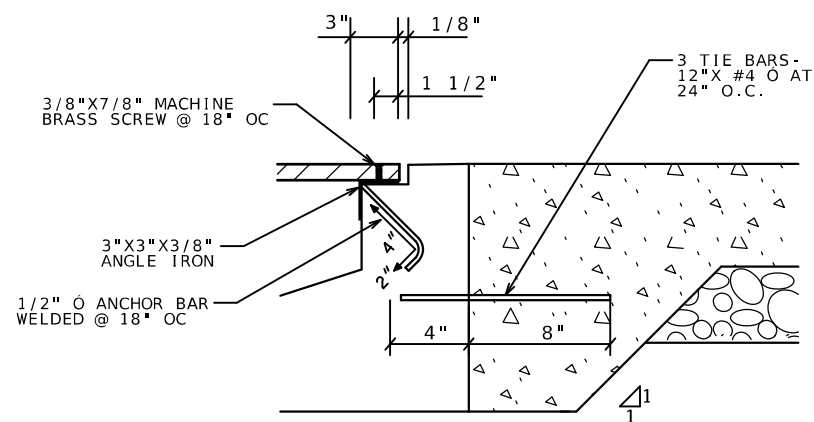
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
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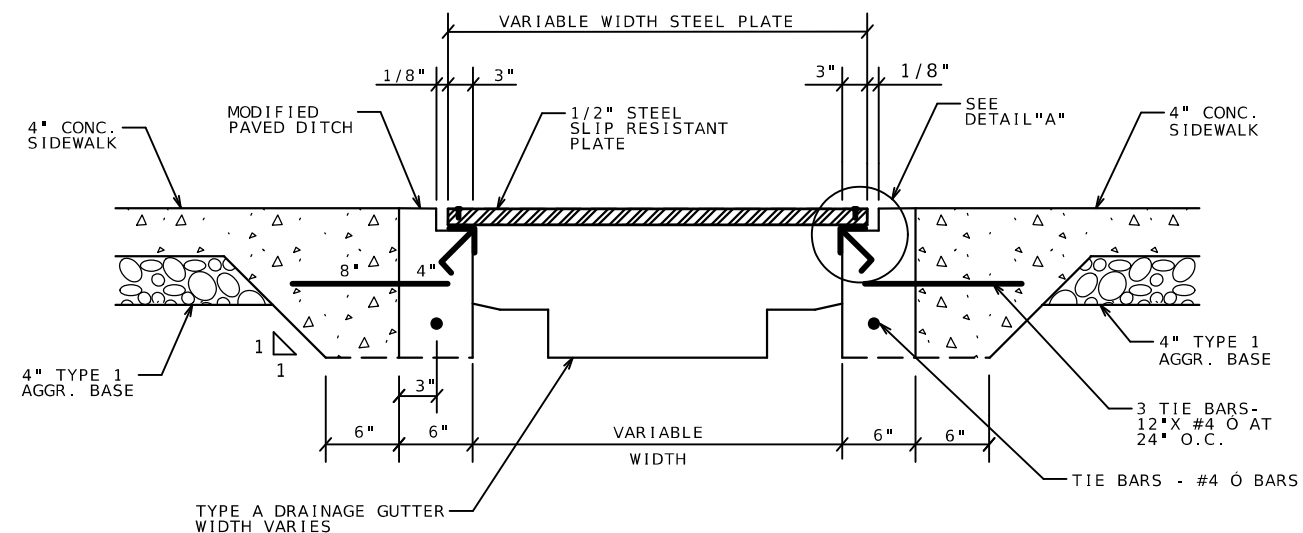


FAIRVIEW ROAD
SPECIAL SHEET
INTERSECTION DETAILS
SHEET 8 OF 8

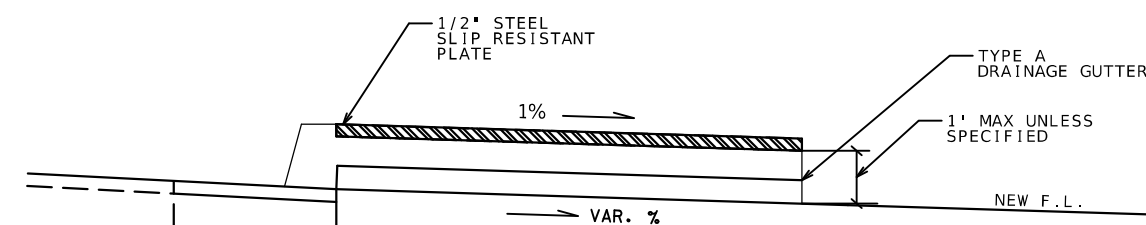
PLAN



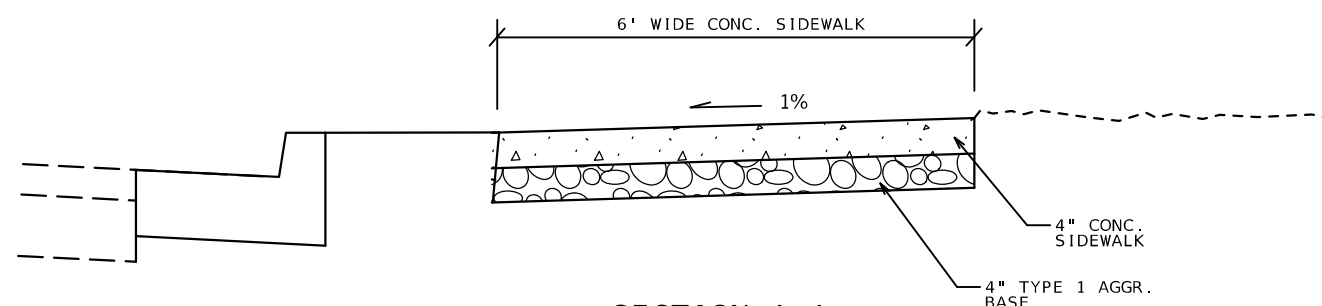
"DETAIL A"



SECTION C-C



SECTION B - B



SECTION A-A

1. THE 1/2" STEEL SLIP-RESISTANT PLATE SHALL HAVE A MIN. STATIC COEFFICIENT OF FRICTION OF 0.6.
2. FLATHEAD BRASS MACHINE SCREWS 3/8" x 7/8". HOLES SHALL BE DRILLED AND TAPPED IN THE FIELD AT INTERVALS NOT TO EXCEED 18" CENTER TO CENTER (NO DIRECT PAY).
3. ALL REINFORCING STEEL BARS SHALL BE EPOXY COATED (NO DIRECT PAY).
4. ALL REINFORCING STEEL, ANCHOR BARS, ANGLE IRON, SCREWS, AND 'T' SUPPORTS SHALL BE INCIDENTAL (NO DIRECT PAY).

SPECIAL SHEET
STEEL PLATE DETAILS
SHEET 1 OF 1



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 32

PROJECT NO.
BRIDGE NO.



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
5. REFER TO STANDARD DRAWINGS 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
6. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT ½ MILE.
7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
9. ALL SIGNS SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
11. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
12. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
13. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.



- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS, WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITION SIGNING MAY BE NEEDED.
- (2) CONST-5 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGNS MAY BE PLACED 500 FEET BEFORE SIGN CONST-8.
- (3) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (4) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 33

JOB NO.
JKU0066

PROJECT NO.

BRIDGE NO. _____

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

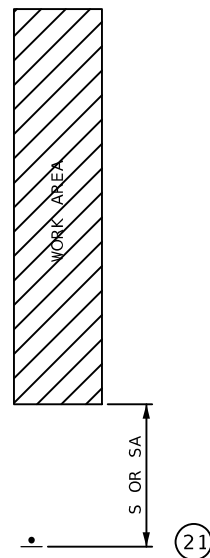
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



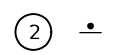
SPEED LIMIT ¹ , MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING ³ , FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

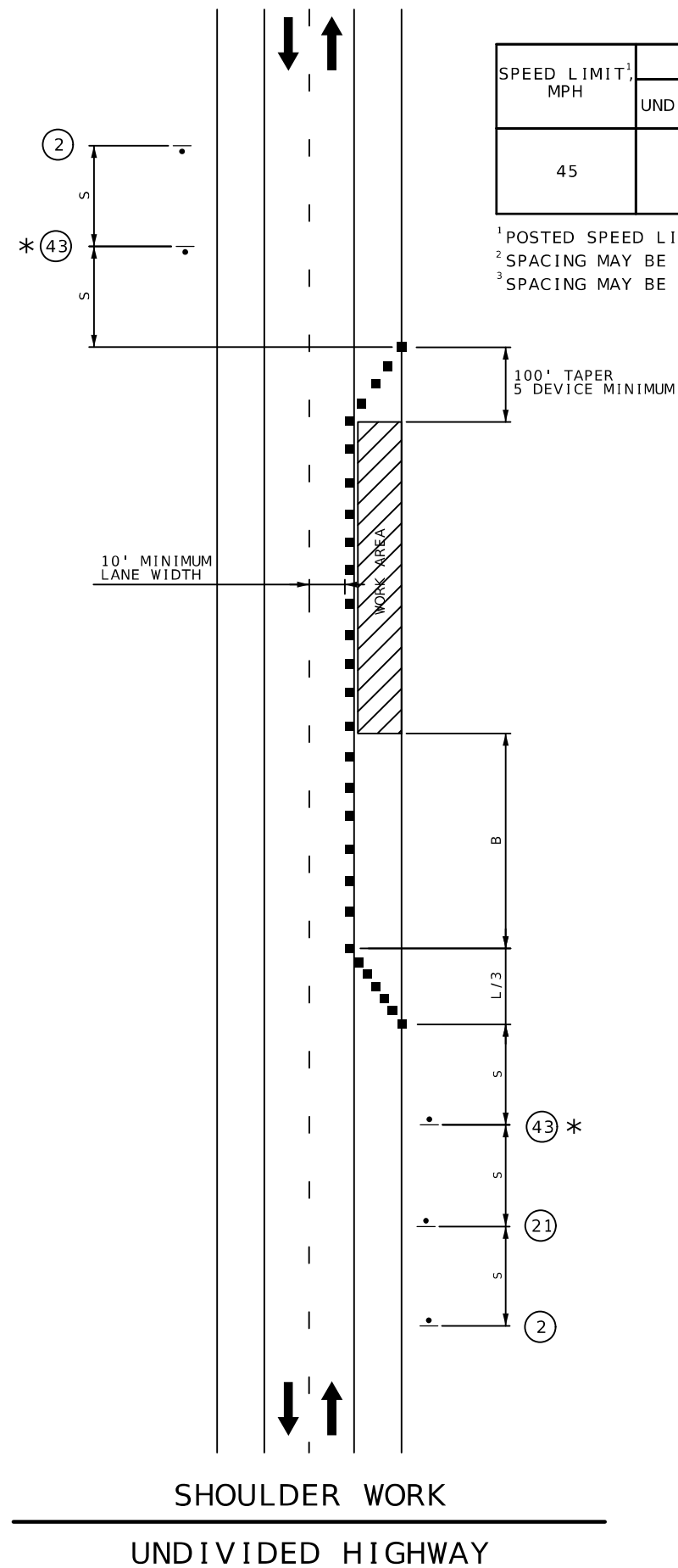
S = POSTED SPEED IN MPH



(21)

TRAFFIC CONTROL SHEET
SHEET 2 OF 27



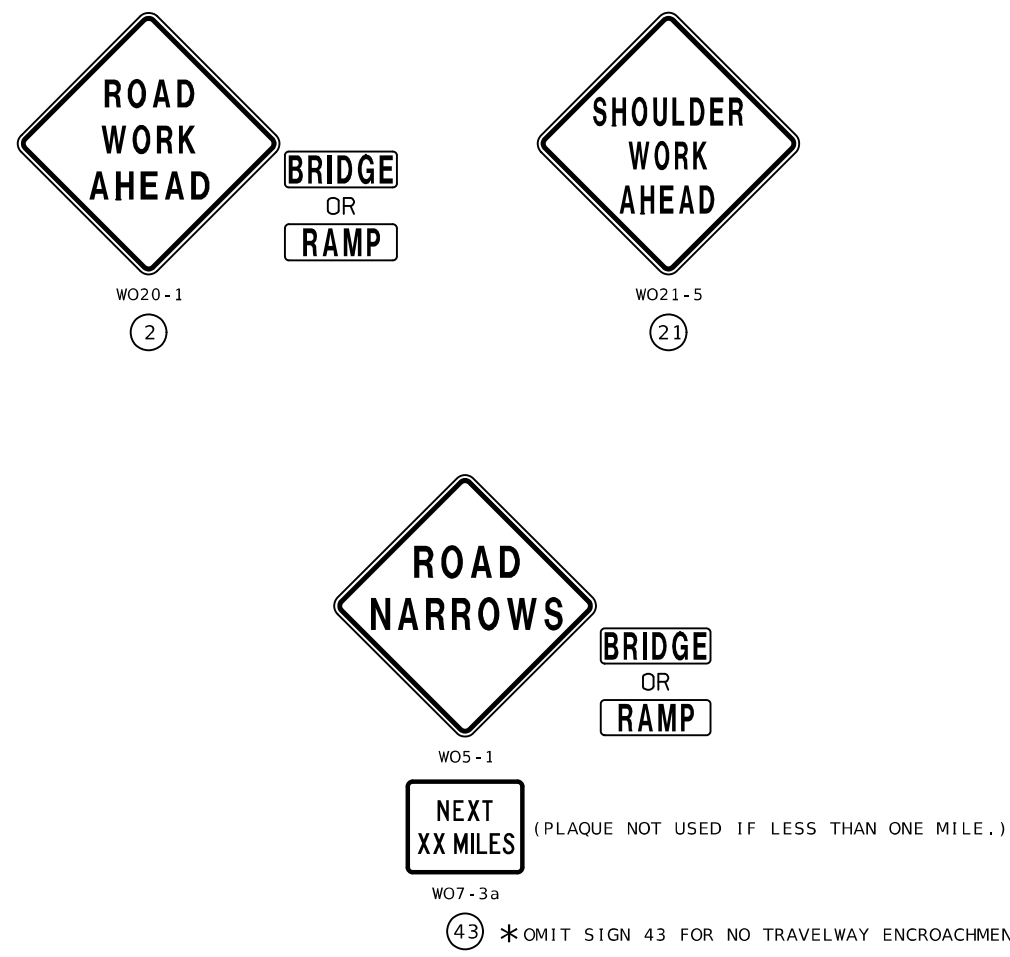


SPEED LIMIT ¹ , MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

¹ POSTED SPEED LIMIT.
² SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

TAPER LENGTH (L):
 L = WS FOR 40 MPH OR MORE
 L = $\frac{WS}{60}^2$ FOR 35 MPH OR LESS
 FOR SHOULDER TAPER USE L/3

WHERE:
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED IN MPH



NOT TO SCALE



DATE PREPARED
6/8/2026

ROUTE	STATE
40	MO

DISTRICT	SHEET NO.
KC	35

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

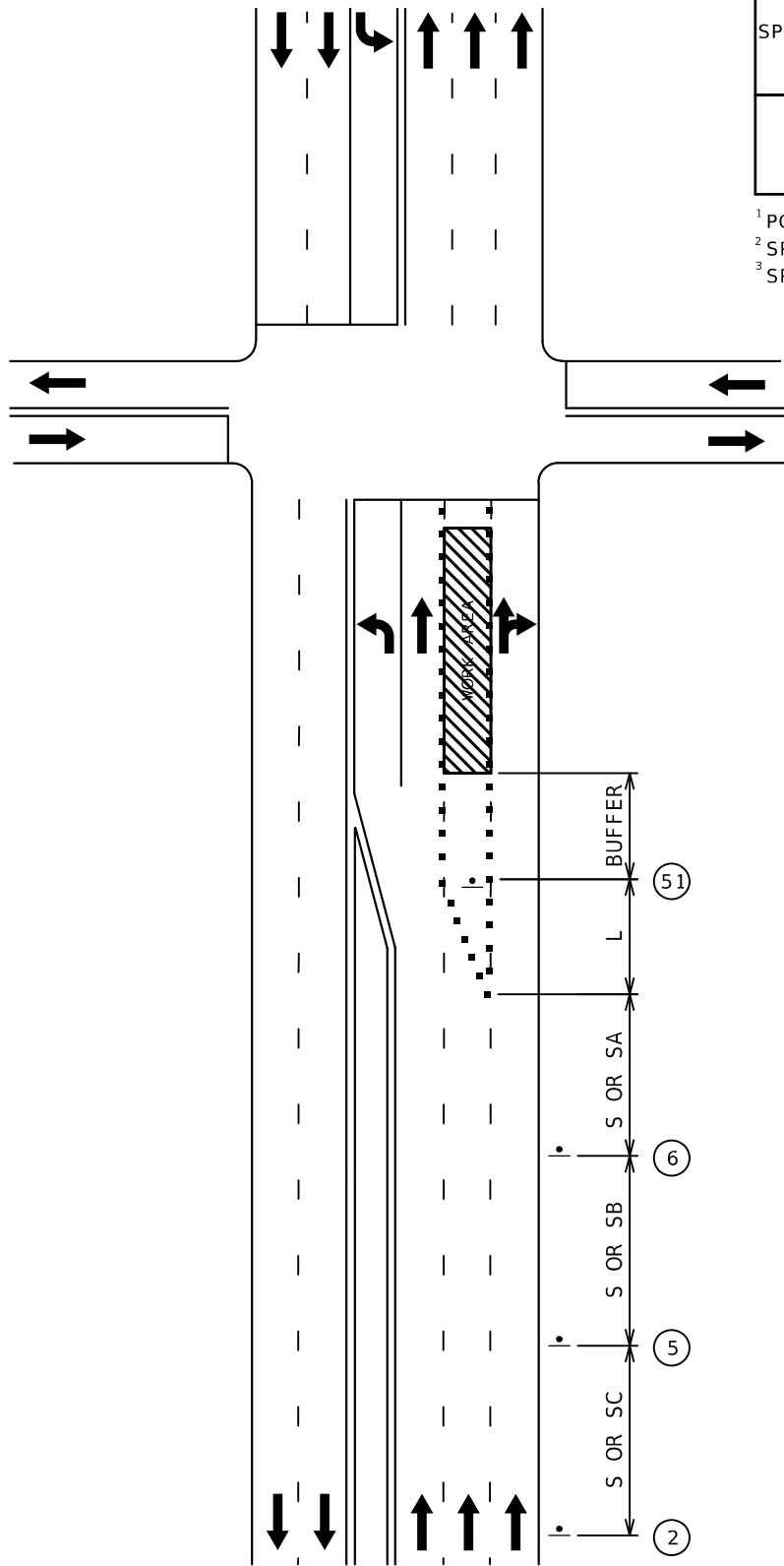
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



TRAFFIC CONTROL SHEET
SHEET 4 OF 27

NOT TO SCALE



LANE CLOSURE ON
NEAR SIDE OF INTERSECTION

SPEED LIMIT, ¹ MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

¹POSTED SPEED LIMIT.
²SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

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L = WS FOR 40 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 35 MPH OR LESS
FOR SHOULDER TAPER USE L/3

WHERE:
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED IN MPH



CENTER
OR
LEFT



CENTER
OR
LEFT



STATE OF MISSOURI
MARK C. FISHER
PROFESSIONAL ENGINEER
PE-27971
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
36

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

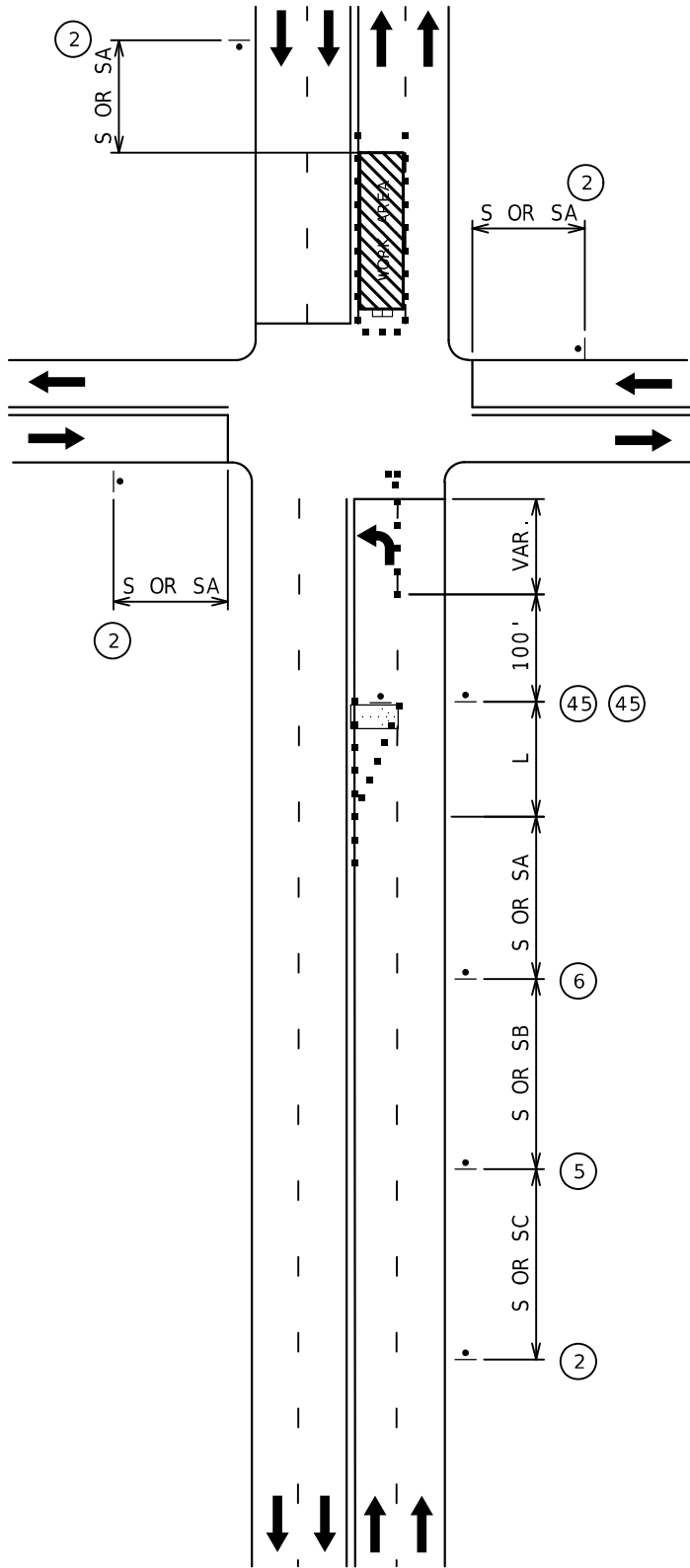
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

TRAFFIC CONTROL SHEET
SHEET 5 OF 27

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NOT TO SCALE



LEFT LANE CLOSURE ON
FAR SIDE OF INTERSECTION

SPEED LIMIT ¹ , MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

¹POSTED SPEED LIMIT.
²SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

TAPER LENGTH (L):
L = WS FOR 40 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 35 MPH OR LESS
FOR SHOULDER TAPER USE L/3

WHERE:
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED IN MPH



WO20-1
2



WO20-5
5

CENTER
OR
LEFT



WO20-6a
6

CENTER
OR
LEFT



R3-7L
45



DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
38

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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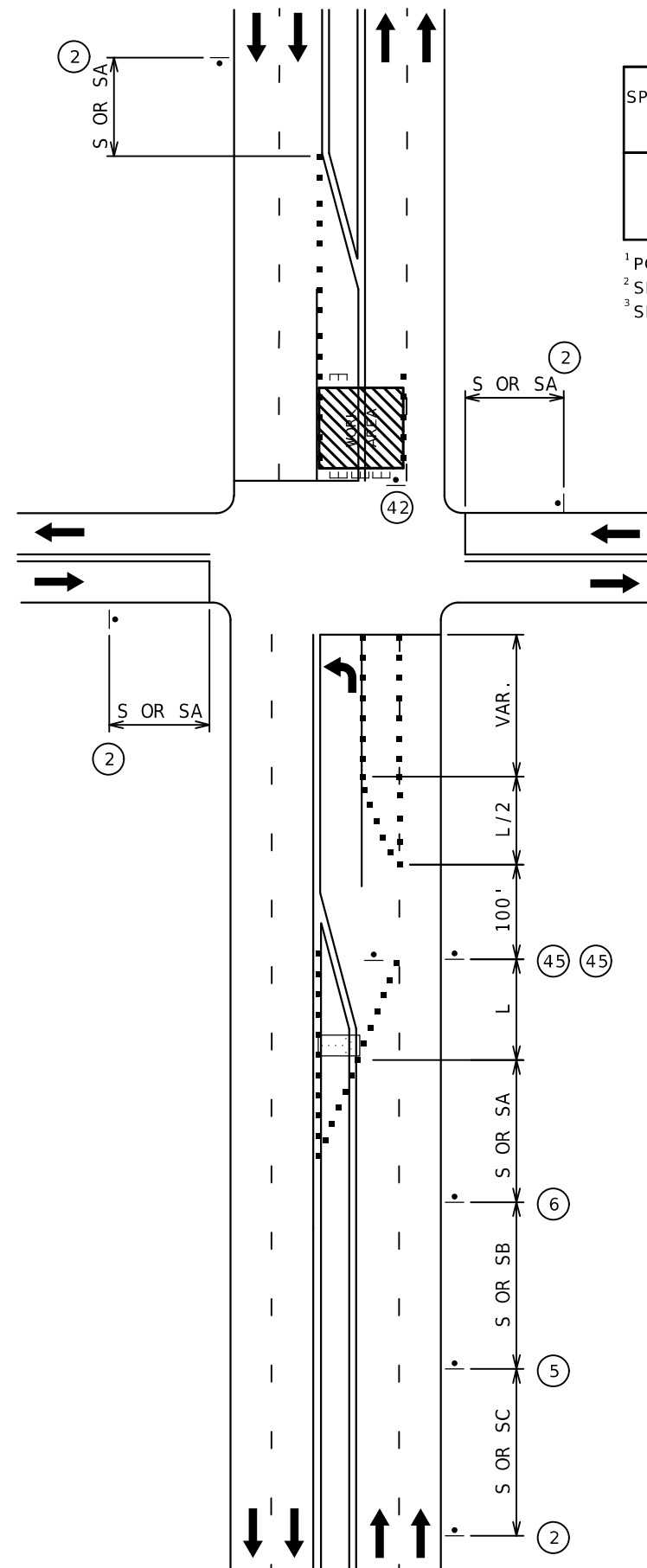
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SPEED LIMIT ¹ , MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING ³ , FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

¹ POSTED SPEED LIMIT.
² SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

$L = \frac{WS^2}{60}$ FOR 35 MPH OR LESS

FOR SHOULDER TAPER USE L/3

WHERE:
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED IN MPH



MULTIPLE LANE CLOSURES AT AN INTERSECTION

TRAFFIC CONTROL SHEET
SHEET 8 OF 27



DATE PREPARED
6/8/2026

ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 39

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

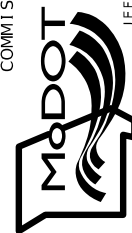
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 40

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

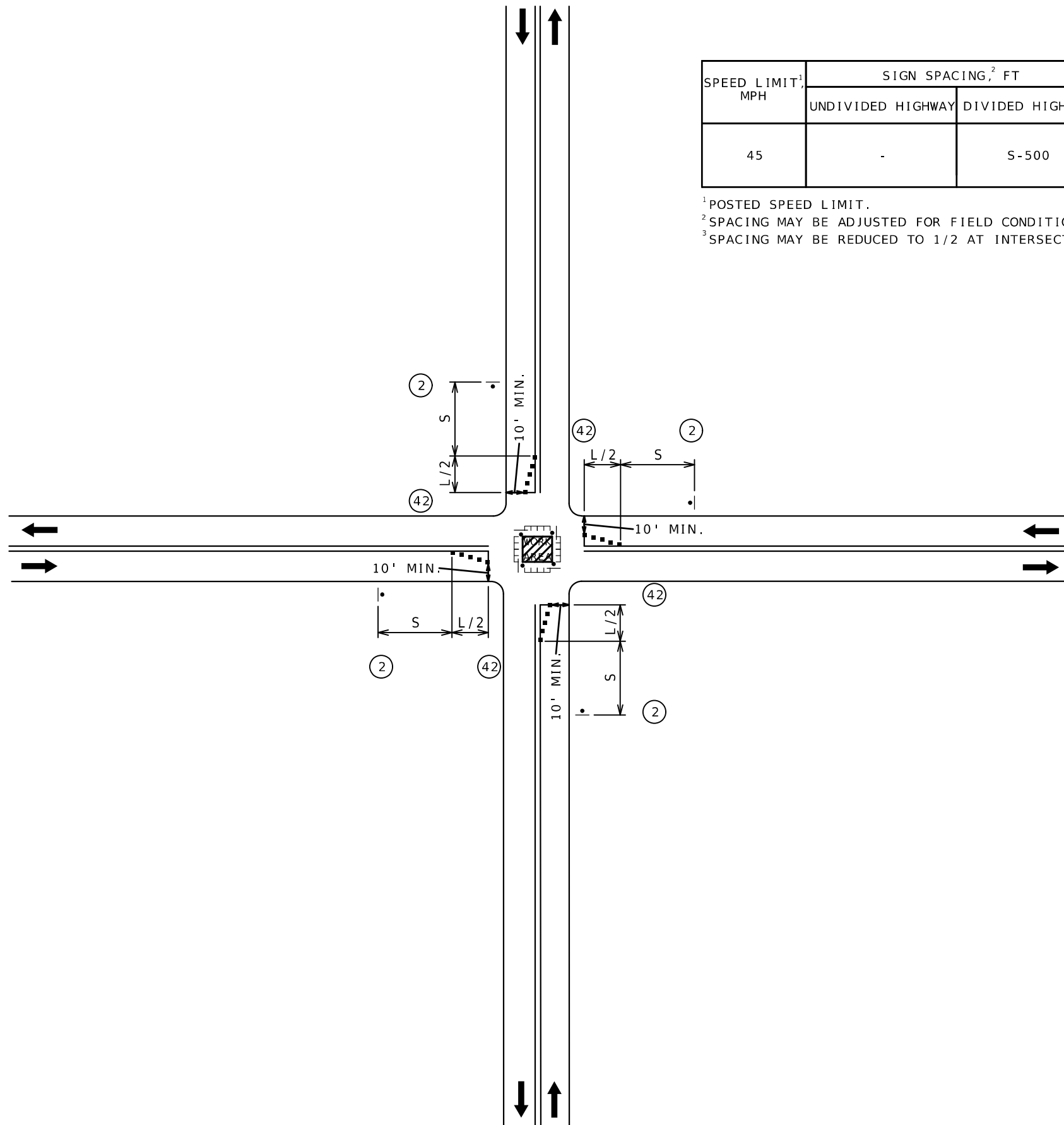
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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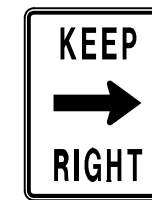
¹ POSTED SPEED LIMIT.
² SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

S = POSTED SPEED IN MPH



WO20 - 1

②



R4-7a

(42)

CLOSURE IN THE CENTER OF INTERSECTION

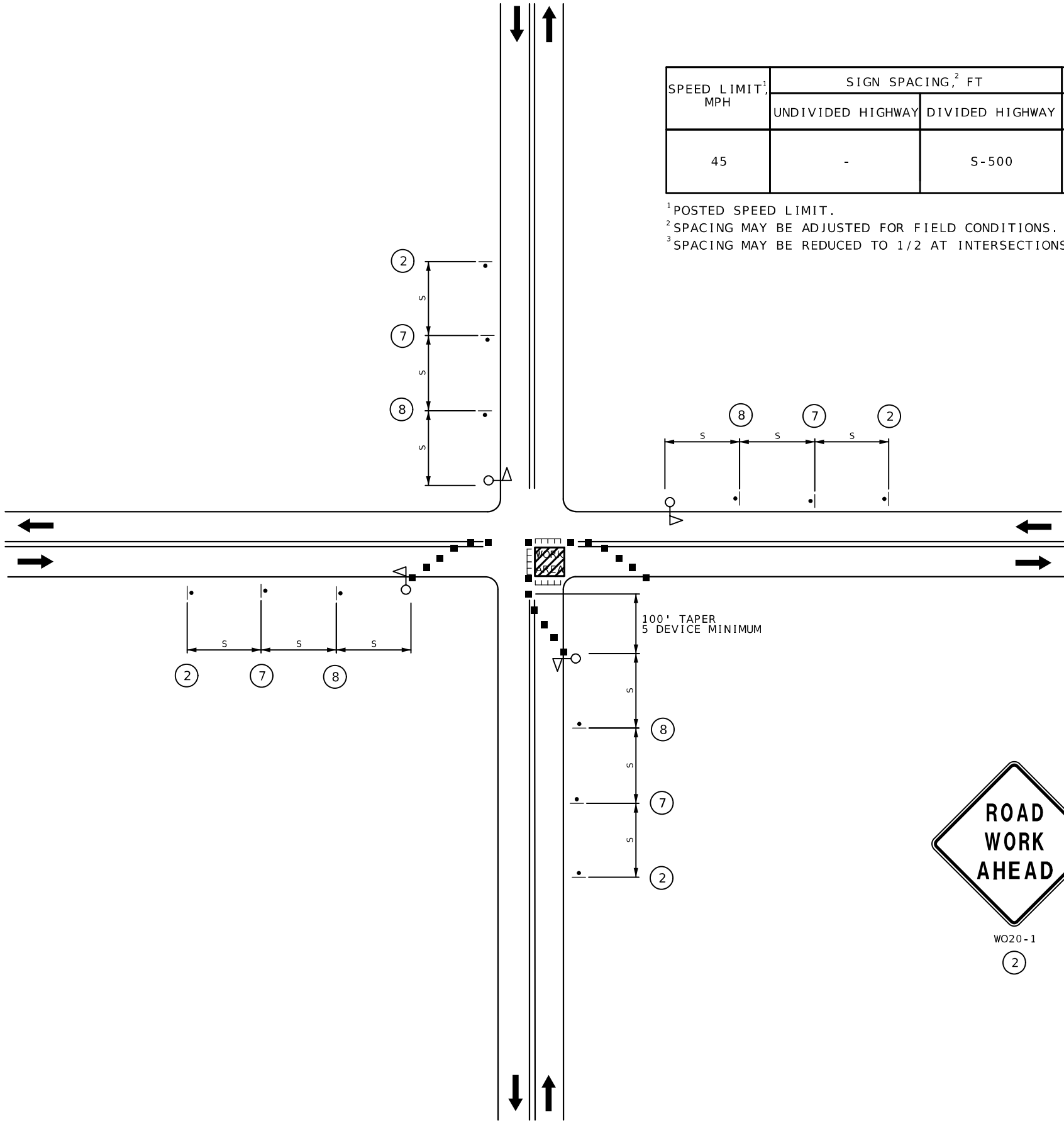
NOT TO SCALE

SPEED LIMIT ¹ MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

¹ POSTED SPEED LIMIT.
² SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

TAPER LENGTH (L):
L = WS FOR 40 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 35 MPH OR LESS
FOR SHOULDER TAPER USE L/3

WHERE:
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED IN MPH



CLOSURE AT THE
SIDE OF INTERSECTION

TRAFFIC CONTROL SHEET
SHEET 10 OF 27



DATE PREPARED 6/8/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 41
COUNTY JACKSON	
JOB NO. JKU0066	
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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 42

JOB NO.
JKU0066

BRIDGE NO.

[illegible]

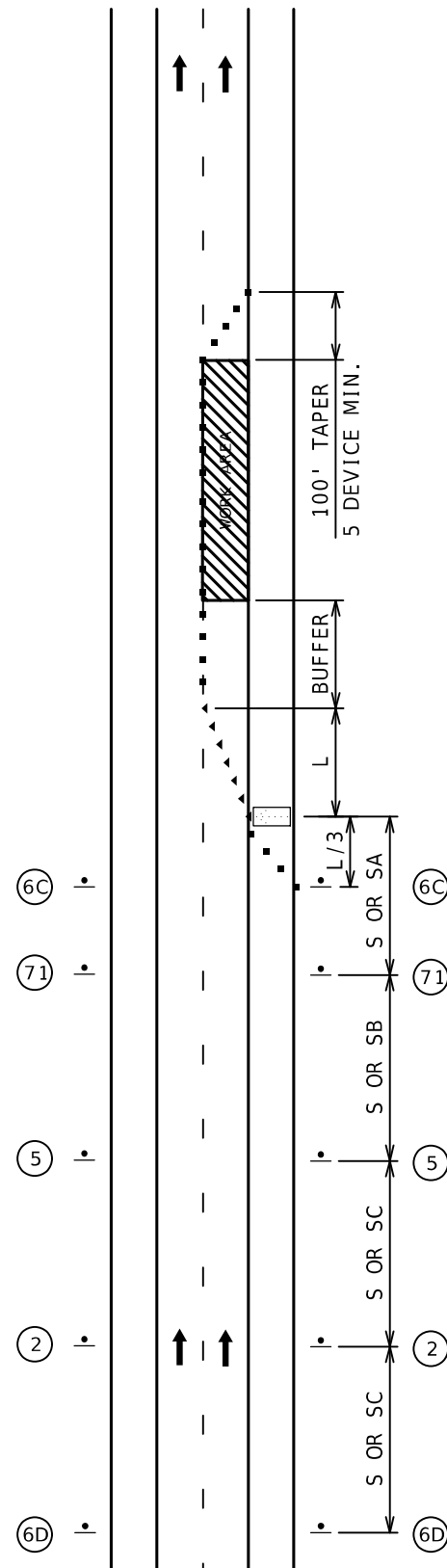
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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SINGLE LANE CLOSURE

SPEED LIMIT, ¹ MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

$$L = \frac{WS^2}{60} \text{ FOR } 35 \text{ MPH OR LESS}$$

S = POSTED SPEED IN MPH



R4 - 9a

6D



WO20 - 1

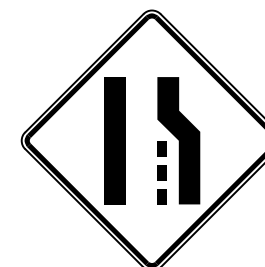
②



WO20-5

⑤

LEFT



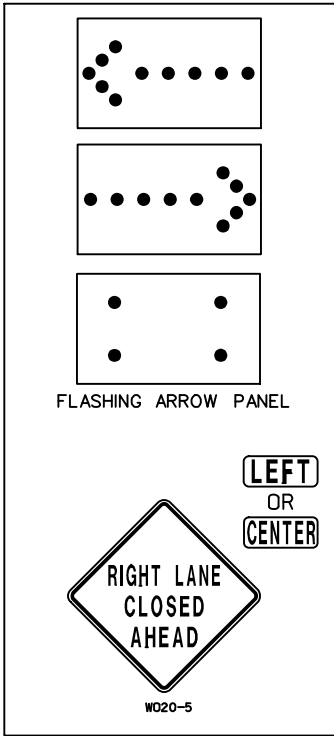
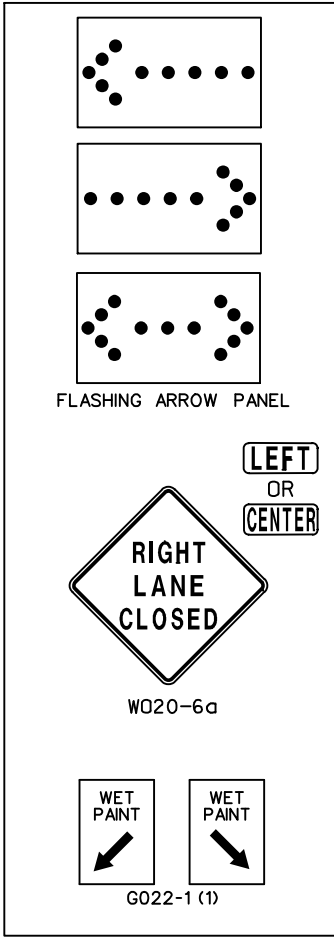
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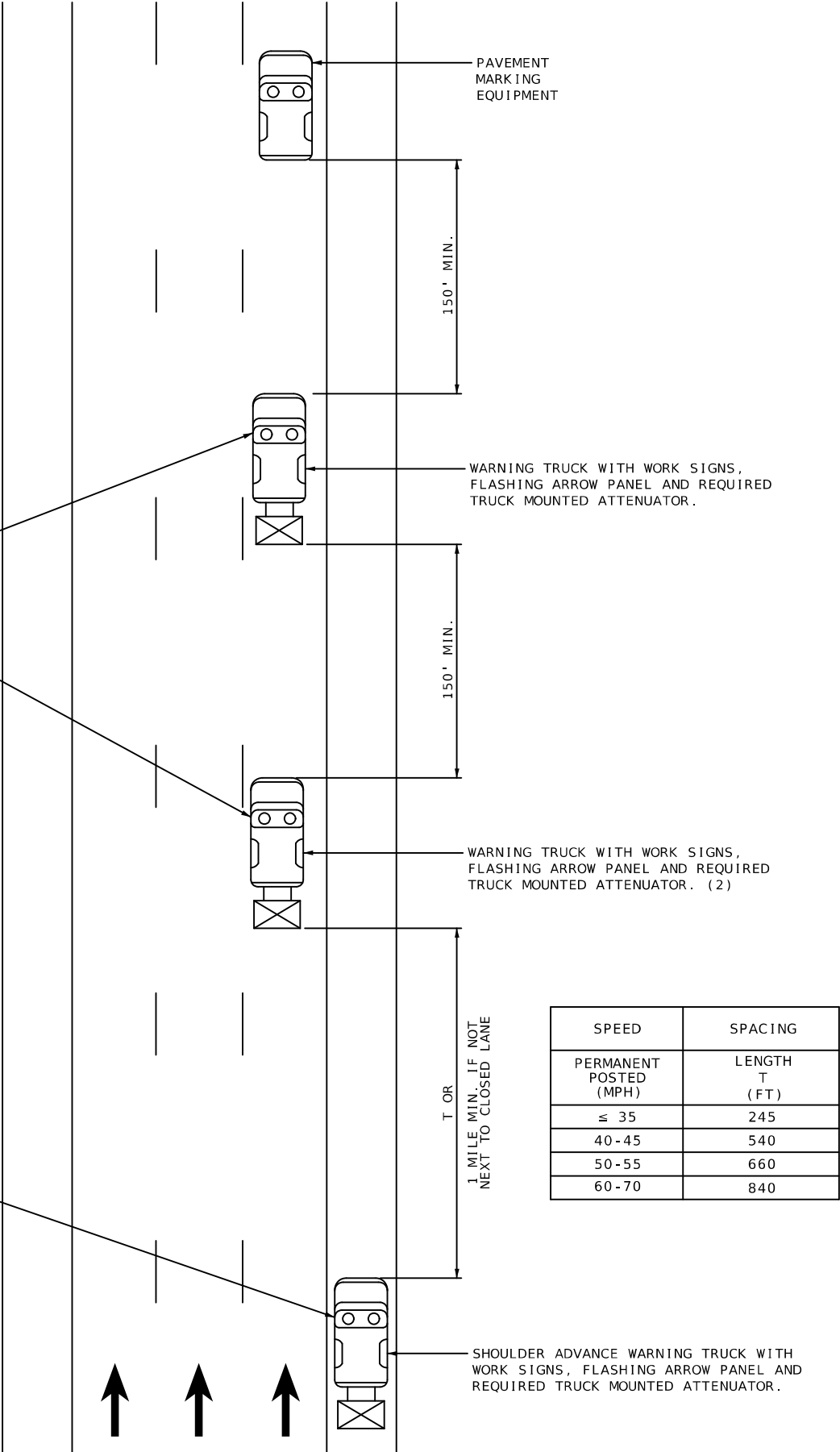


W9 - 2a

6C



STRIPING ON MULTI-LANE HIGHWAY



SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40 - 45	540
50 - 55	660
60 - 70	840

NOTES:

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

PROTECTIVE TRUCKS 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.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

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

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

(1) WET PAINT SIGNS 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) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

NOT TO SCALE

STATE OF MISSOURI
MARK C. FISHER
PROFESSIONAL ENGINEER
NUMBER PE-27971
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
43

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

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

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

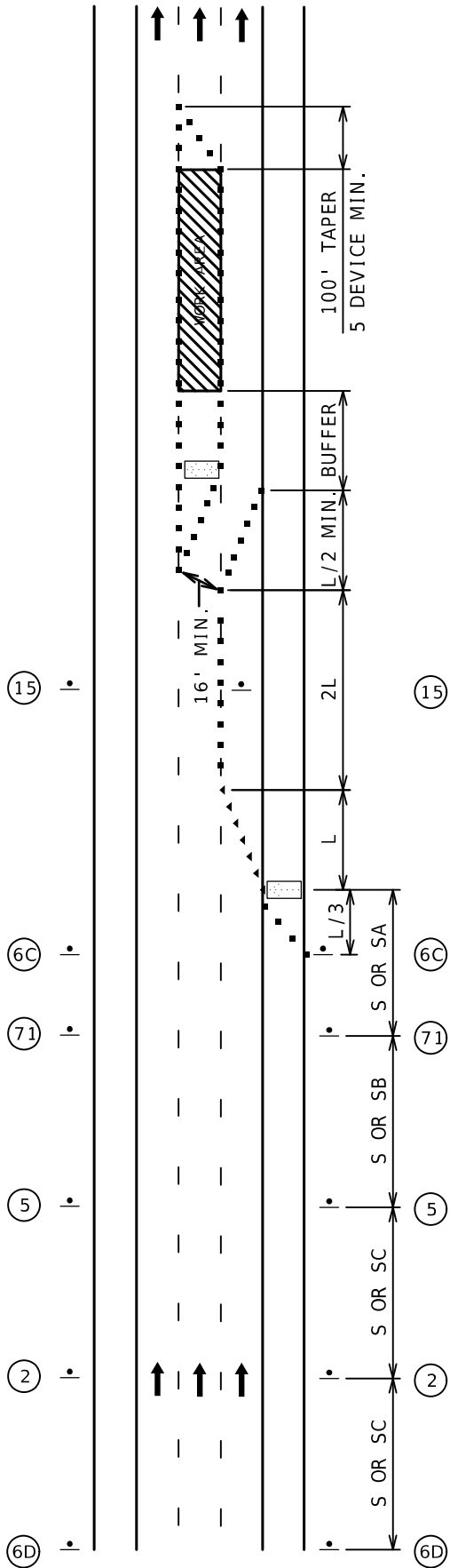
GARVER

GARVER

TRAFFIC CONTROL SHEET
SHEET 12 OF 27

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NOT TO SCALE



INTERIOR LANE CLOSURE
ON A FREEWAY

SPEED LIMIT ¹ MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
45	-	S-500	165	495	40	80	360

¹ POSTED SPEED LIMIT.
² SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

TAPER LENGTH (L):
L = WS FOR 40 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 35 MPH OR LESS
FOR SHOULDER TAPER USE L/3

WHERE:
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED IN MPH

STAY IN
LANE
TO MERGE
POINT
R4-9a
6D

MERGE
HERE
TAKE
TURNS
W9-2a
6C

ROAD
WORK
AHEAD
WO20-1
2

RIGHT LANE
CLOSED
AHEAD
WO20-5
5

LEFT

W04-2R
71

WO1-4R
15

DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
44

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

TRAFFIC CONTROL SHEET
SHEET 13 OF 27

ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 45

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

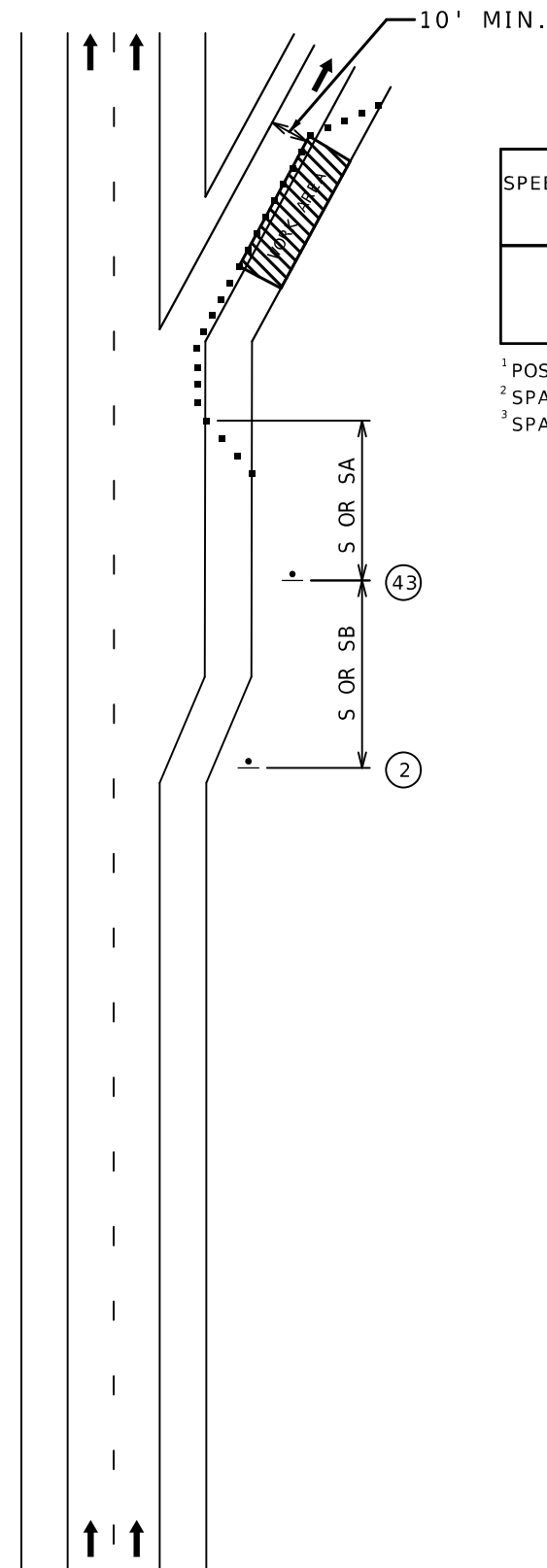
BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITAL
JEFFERSON CITY, MO. 65102

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-8465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



SPEED LIMIT, ¹ MPH	SIGN SPACING, ² FT		TAPER LENGTH, FT		CHANNELIZING SPACING, ³ FT		BUFFER LENGTH, FT (B)
	UNDIVIDED HIGHWAY	DIVIDED HIGHWAY	SHOULDER (L/3)	LANE (L)	TAPERS	BUFFER/ WORK AREA	
55	-	S-1000	220	660	50	80	495

¹ POSTED SPEED LIMIT.
² SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³ SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

$L = \frac{WS^2}{60}$ FOR 35 MPH OR LESS

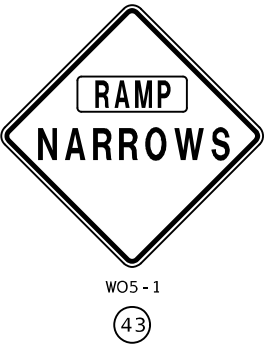
FOR SHOULDER TAPER USE L/3

WHERE:

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH



PARTIAL RAMP CLOSURE

TRAFFIC CONTROL SHEET
SHEET 14 OF 27

REVISÉ: 11-19-2018

- ORANGE PLASTIC SAFETY FENCE

6' T-POST

✓6' T-POST

NOT TO SCALE



ADA COMPLIANT MOVEABLE BARRICADE



- DESCRIPTION

ATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

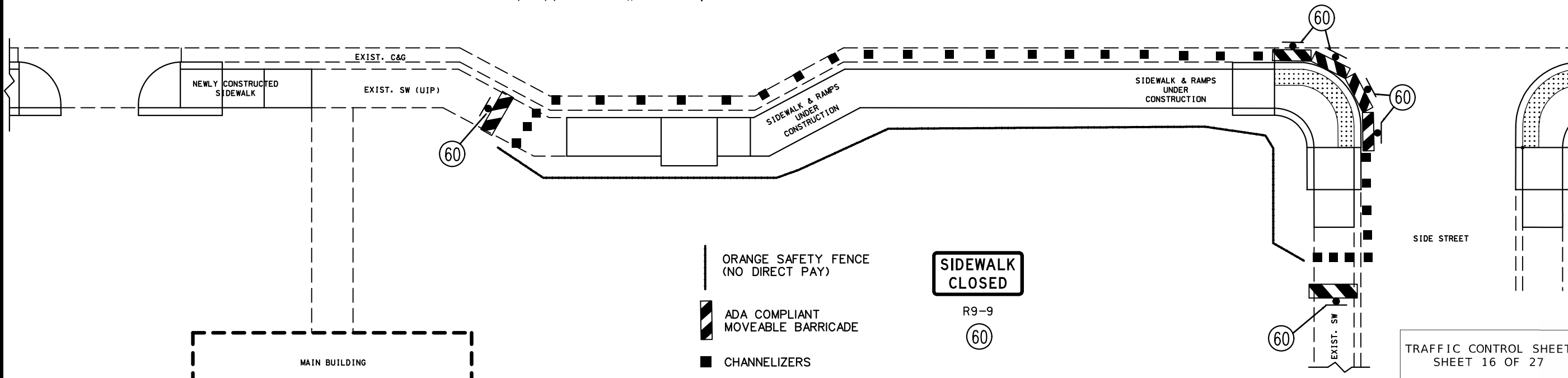
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



**GARVER, LLC.
77509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



GARVER



TRAFFIC CONTROL SHEET
SHEET 16 OF 27

PHASE 1

- 1. CONSTRUCT PORTION OF SOIL NAIL WALL AND DISPLACED LT DUAL LANES
- 2. CONSTRUCT EB RTE 40 RT TURN LANE ONTO SB CLIFF AVE
- 3. CONSTRUCT SB I-470 OFF-RAMP RT TURN LANE ONTO WB RTE 40
- 4. CONSTRUCT NB I-470 OFF-RAMP RT TURN LANE ONTO EB RTE 40
- 5. CONSTRUCT LITTLE BLUE TRACE TRAIL CONNECTION ACROSS EB RTE 40 BRIDGE NO. A5970
- 5. CONSTRUCT WB RTE 40 RT TURN LANE ONTO COCHISE CT
- 6. CONSTRUCT WB RTE 40 RT TURN LANE AT MCDONALD'S STREET ENTRANCE
- 7. CONSTRUCT EB RTE 40 RT CONCRETE MEDIAN STRIP AT ARROWHEAD DRIVE

PHASE 2

- 1. CONSTRUCT EB RTE 40 LT CONCRETE MEDIAN STRIP AT CLIFF AVE
- 2. CONSTRUCT EB RTE 40 LT TURN STORAGE EXTENSION ONTO NB LITTLE BLUE PKWY
- 3. CONSTRUCT EXTENDED SOUTH LITTLE BLUE PKWY THROUGH LANE

PHASE 3

- 1. CONSTRUCT MEDIAN IMPROVEMENTS FROM CLIFF AVE TO SB I-470 RAMPS
- 2. CONSTRUCT MEDIAN IMPROVEMENTS FROM NB I-470 RAMPS TO VALLEY VIEW PKWY
- 3. CONSTRUCT OFFSET LT LANE IMPROVEMENTS FOR WB RTE 40 ONTO SB VALLEY VIEW PKWY

PHASE 4

- 1. CONSTRUCT REMAINING SOIL NAIL WALL , DISPLACED LT LANES, AND SB I-470 OFF-RAMP LT SHOULDER

PHASE 5 (NOT SHOWN)

- 1. USE TRAFFIC CONTROL TYPICAL APPLICATIONS TO CONSTRUCT CONCRETE ISLANDS AT SB I-470 AND NB I-470 OFF-RAMPS, SB LITTLE BLUE PKWY, AND VALLEY VIEW PKWY INTERSECTION
- 2. USE TRAFFIC CONTROL TYPICAL APPLICATIONS TO MILL AND FILL AREAS SHOWN ON PAVEMENT DETAILS SPECIAL SHEETS 17-22

NOTE: SEE TEMPORARY SIGNAL PLANS FOR SIGNAL OPERATION DURING CONSTRUCTION PHASES

PHASING SUMMARY

TRAFFIC CONTROL SHEET
SHEET 17 OF 27



DATE PREPARED 6/8/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 48
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

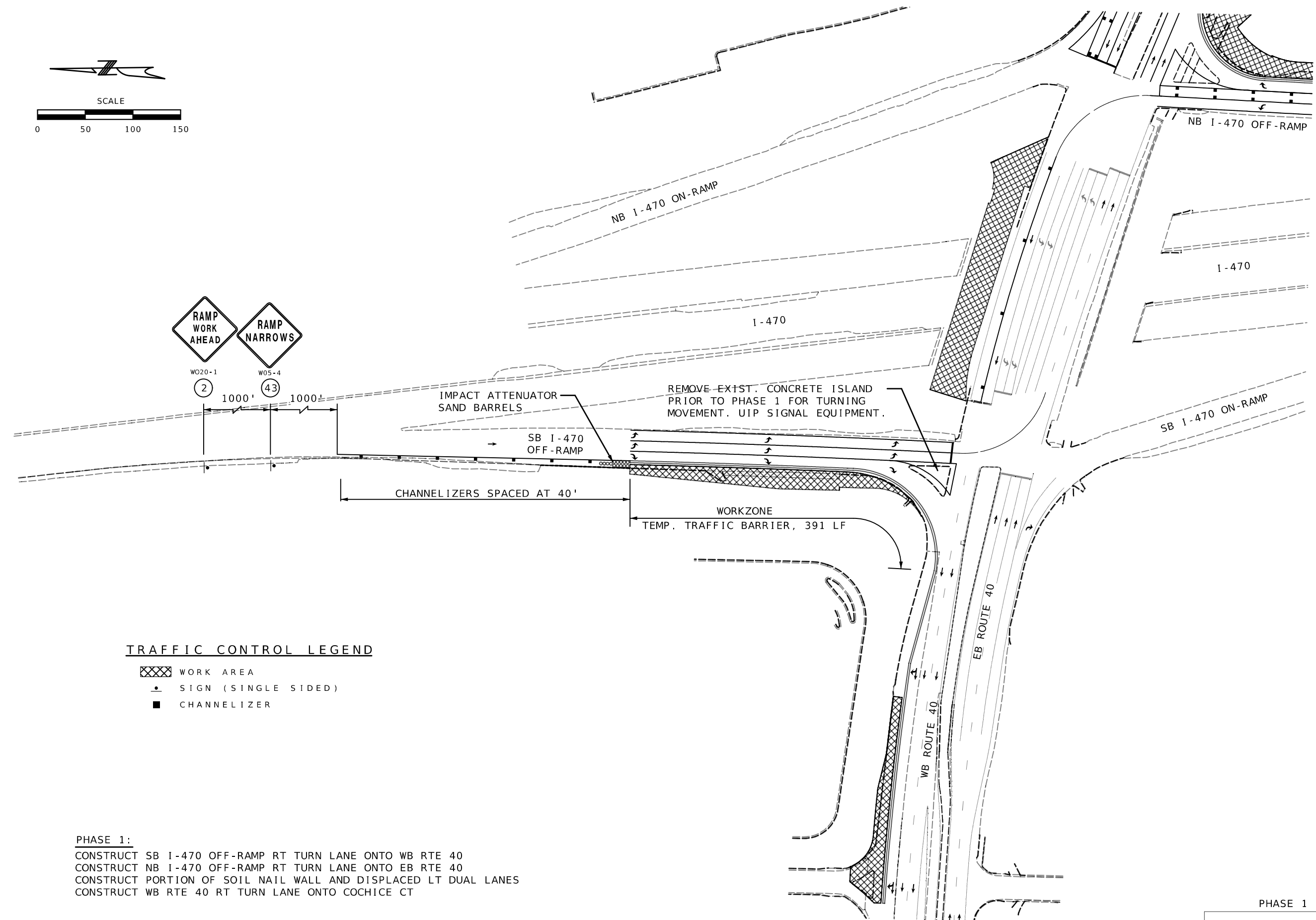
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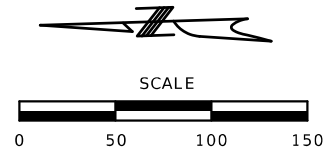
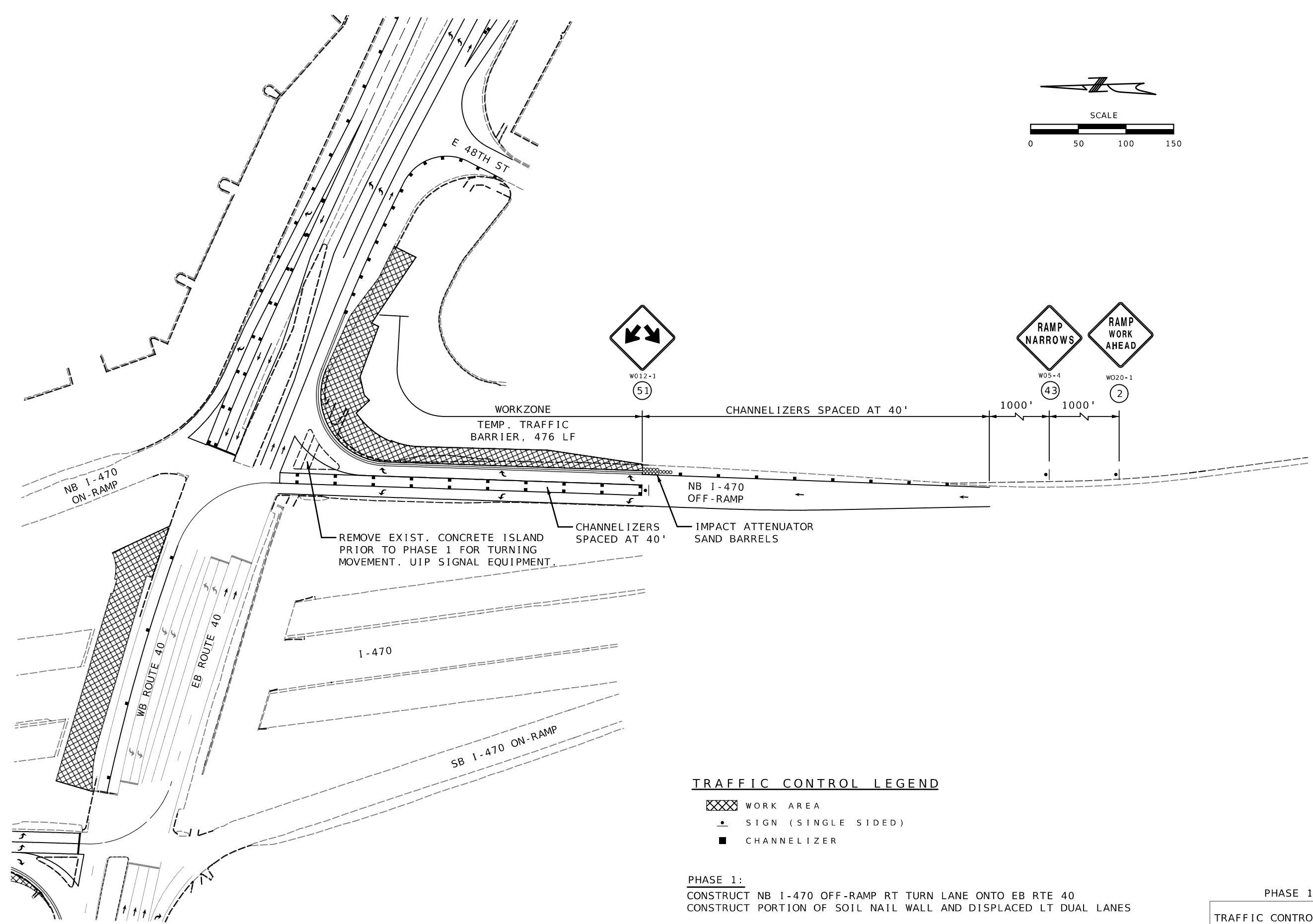
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090







TRAFFIC CONTROL LEGEND

- WORK AREA
- SIGN (SINGLE SIDED)
- CHANNELIZER

PHASE 1:
CONSTRUCT NB I-470 OFF-RAMP RT TURN LANE ONTO EB RTE 40
CONSTRUCT PORTION OF SOIL NAIL WALL AND DISPLACED LT DUAL LANES

PHASE 1
TRAFFIC CONTROL SHEET
SHEET 21 OF 27



DATE PREPARED		6/8/2026
ROUTE	STATE	40 MO
DISTRICT	SHEET NO.	KC 52
COUNTY		JACKSON
JOB NO.		JKU0066
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

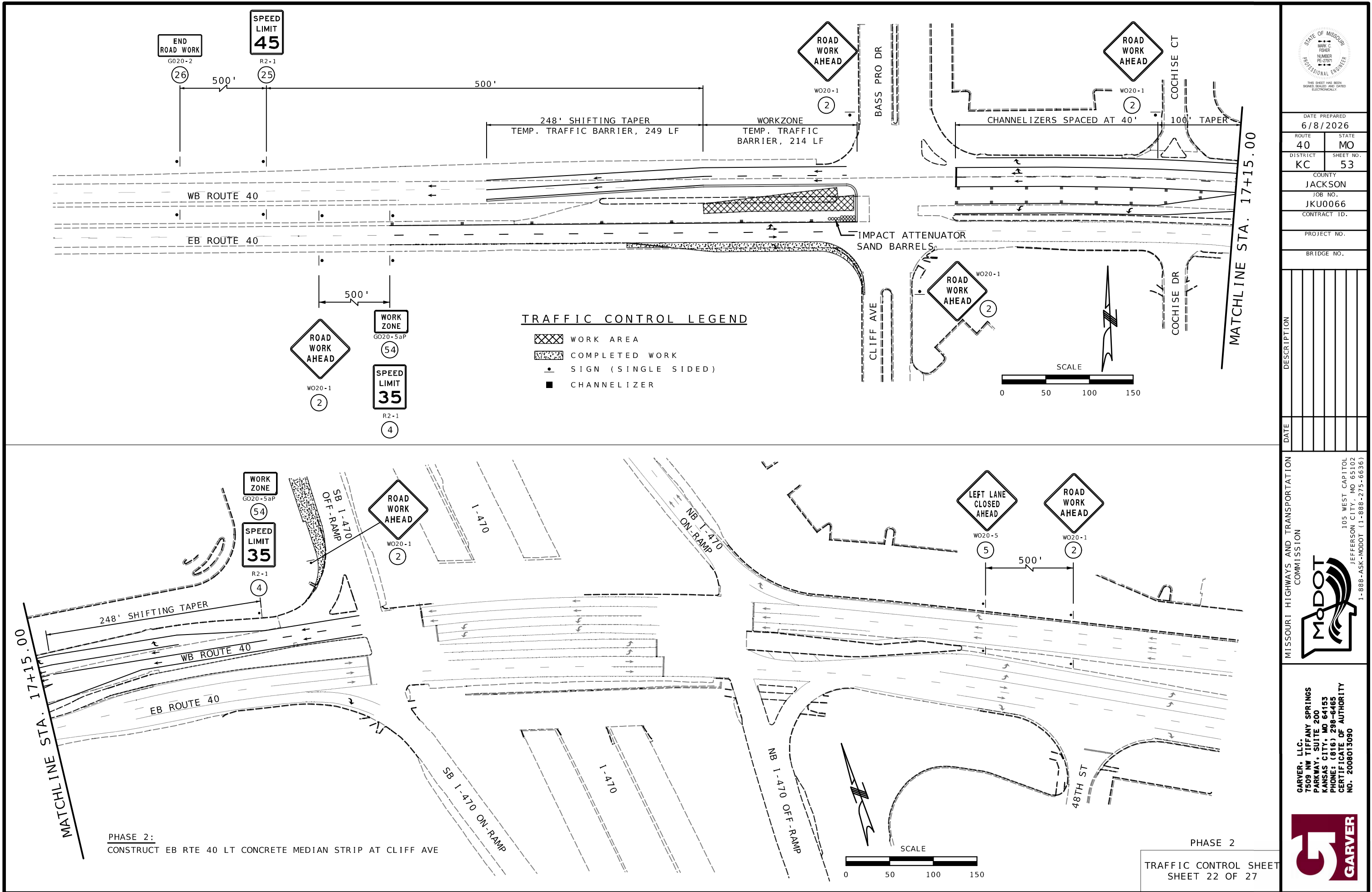
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





DATE PREPARED 6/8/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 53
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

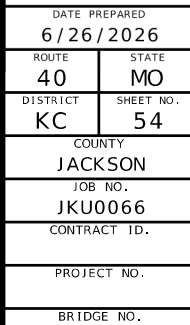
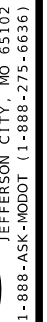
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

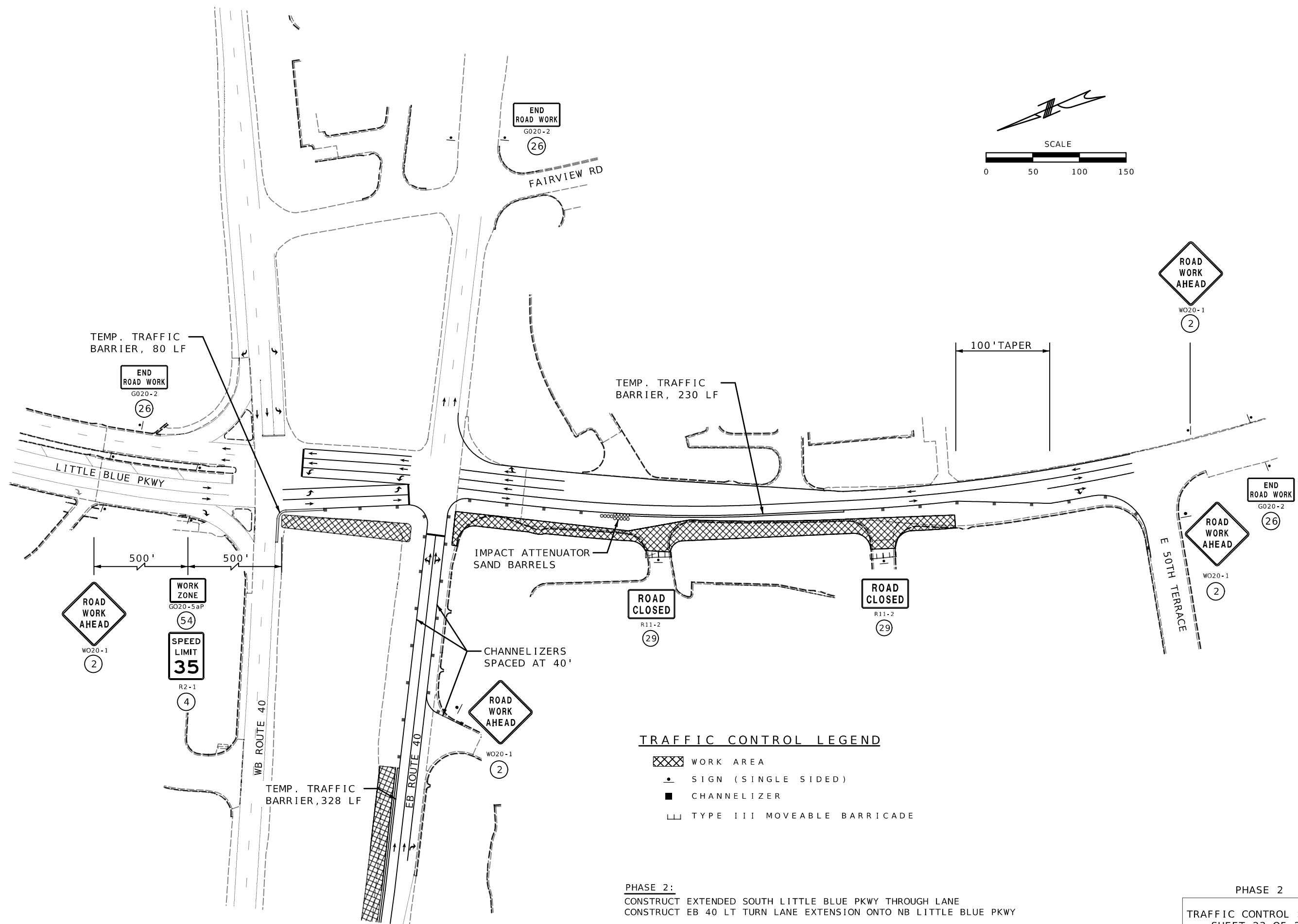
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PHASE 2:
CONSTRUCT EXTENDED SOUTH LITTLE BLUE PKWY THROUGH LANE
CONSTRUCT EB 40 LT TURN LANE EXTENSION ONTO NB LITTLE BLUE PKWY

PHASE 2

TRAFFIC CONTROL SHEET
SHEET 23 OF 27



R4-9a

(6D)



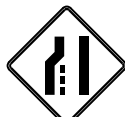
W020-1

(2)



W020-5

(5)



W04-2L

(71)



GO20-5aP

(54)



R2-1

(4)

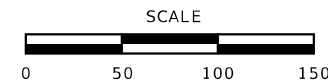


W09-2a

(6C)

TRAFFIC CONTROL LEGEND

- WORK AREA
- COMPLETED WORK
- SIGN (SINGLE SIDED)
- DIRECTION INDICATOR BARRICADE
- CHANNELIZER
- FLASHING ARROW PANEL



GO20-2

(26)



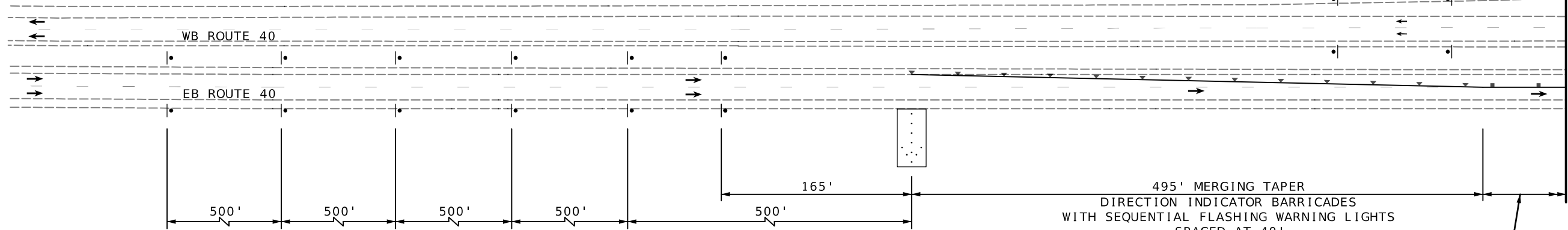
R2-1

(25)

500'

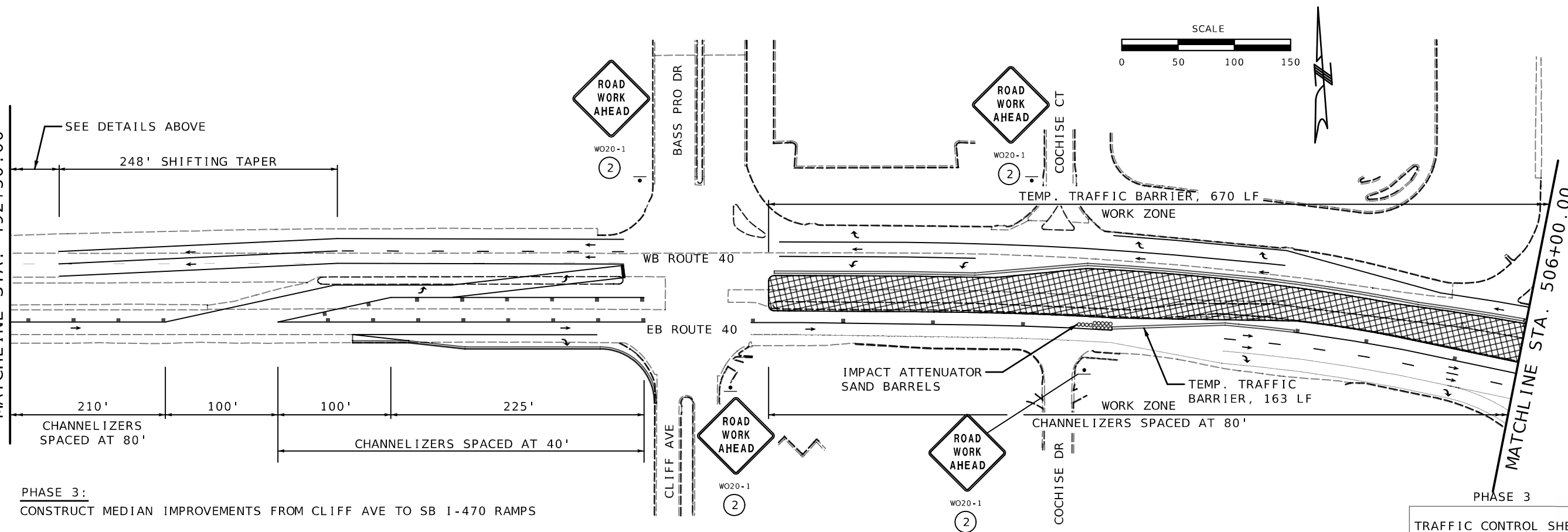
500'

MATCHLINE STA. 492+50.00



SEE DETAILS BELOW

MATCHLINE STA. 492+50.00



PHASE 3:
CONSTRUCT MEDIAN IMPROVEMENTS FROM CLIFF AVE TO SB I-470 RAMPS

PHASE 3

TRAFFIC CONTROL SHEET
SHEET 24 OF 27



DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
55

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

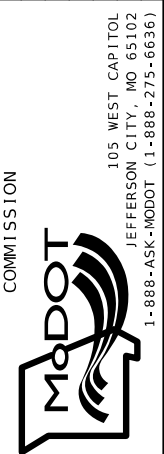
PROJECT NO.

BRIDGE NO.

DESCRIPTION

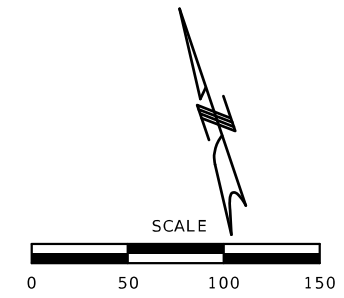
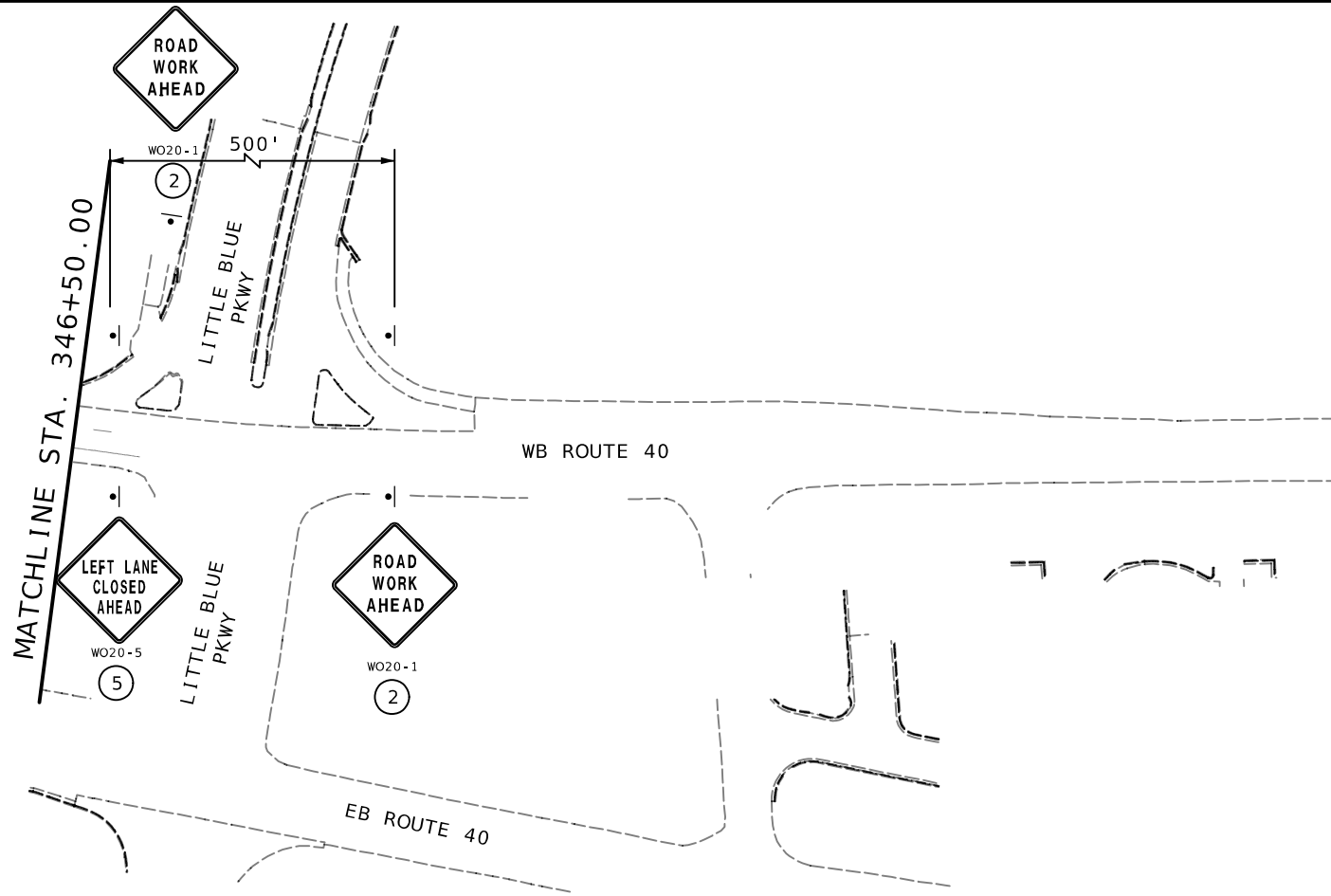
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





DATE PREPARED
6/8/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 57

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

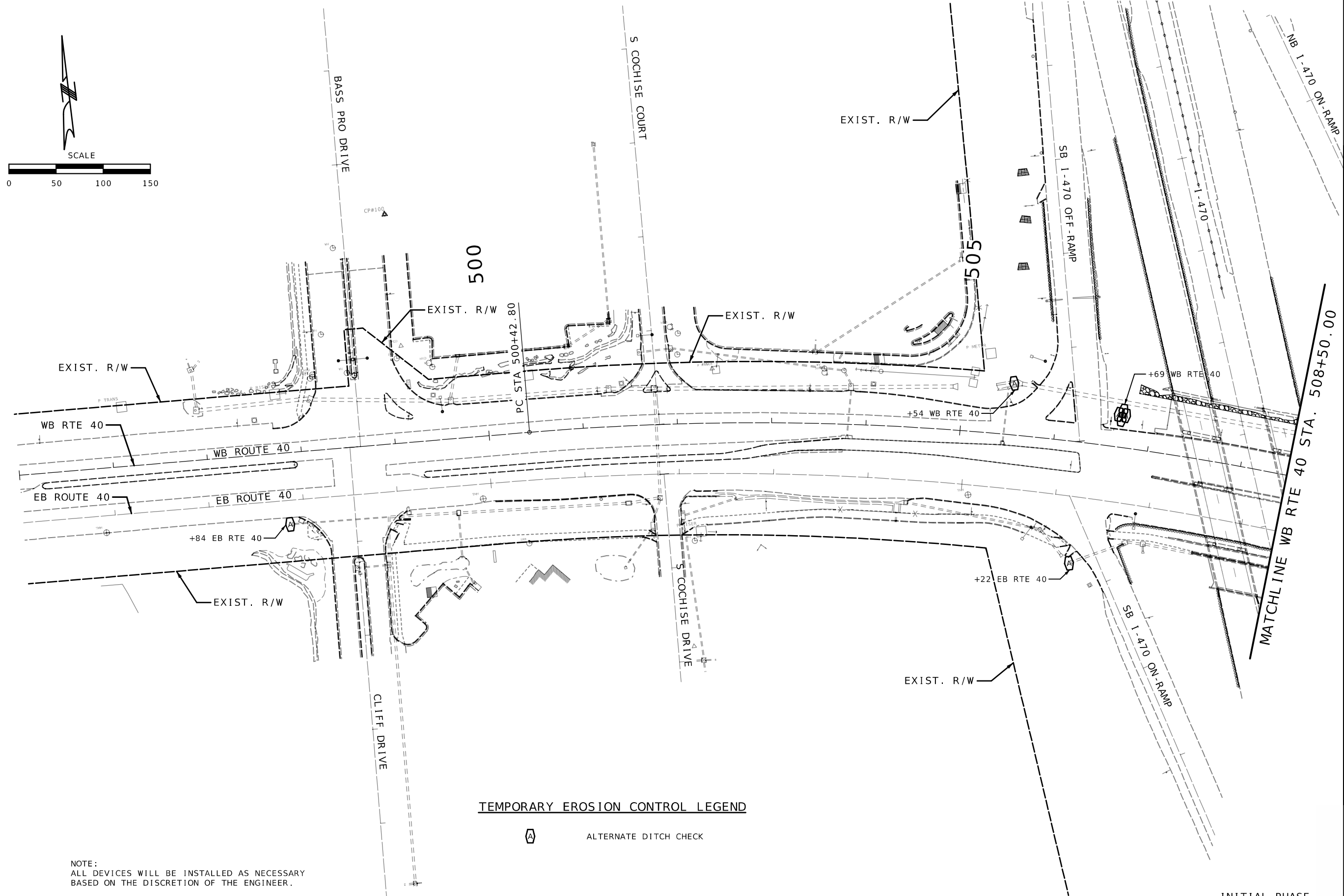
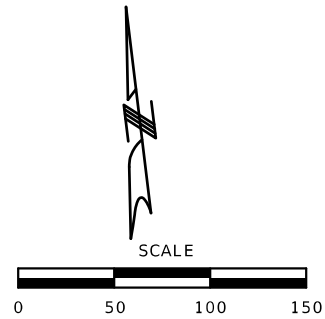
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PHASE 3
TRAFFIC CONTROL SHEET
SHEET 26 OF 27



TEMPORARY EROSION CONTROL LEGEND

 ALTERNATE DITCH CHECK

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

INITIAL PHASE

EROSION CONTROL SHEET
SHEET 1 OF 10



DATE PREPARED
6/7/2026
ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 59
COUNTY JACKSON
JOB NO. JKU0066
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

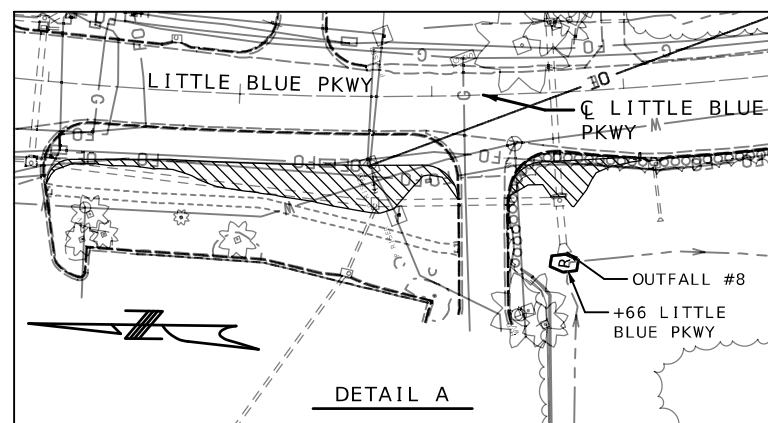
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

SARVER, LLC.
1509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY



TEMPORARY EROSION CONTROL LEGEND

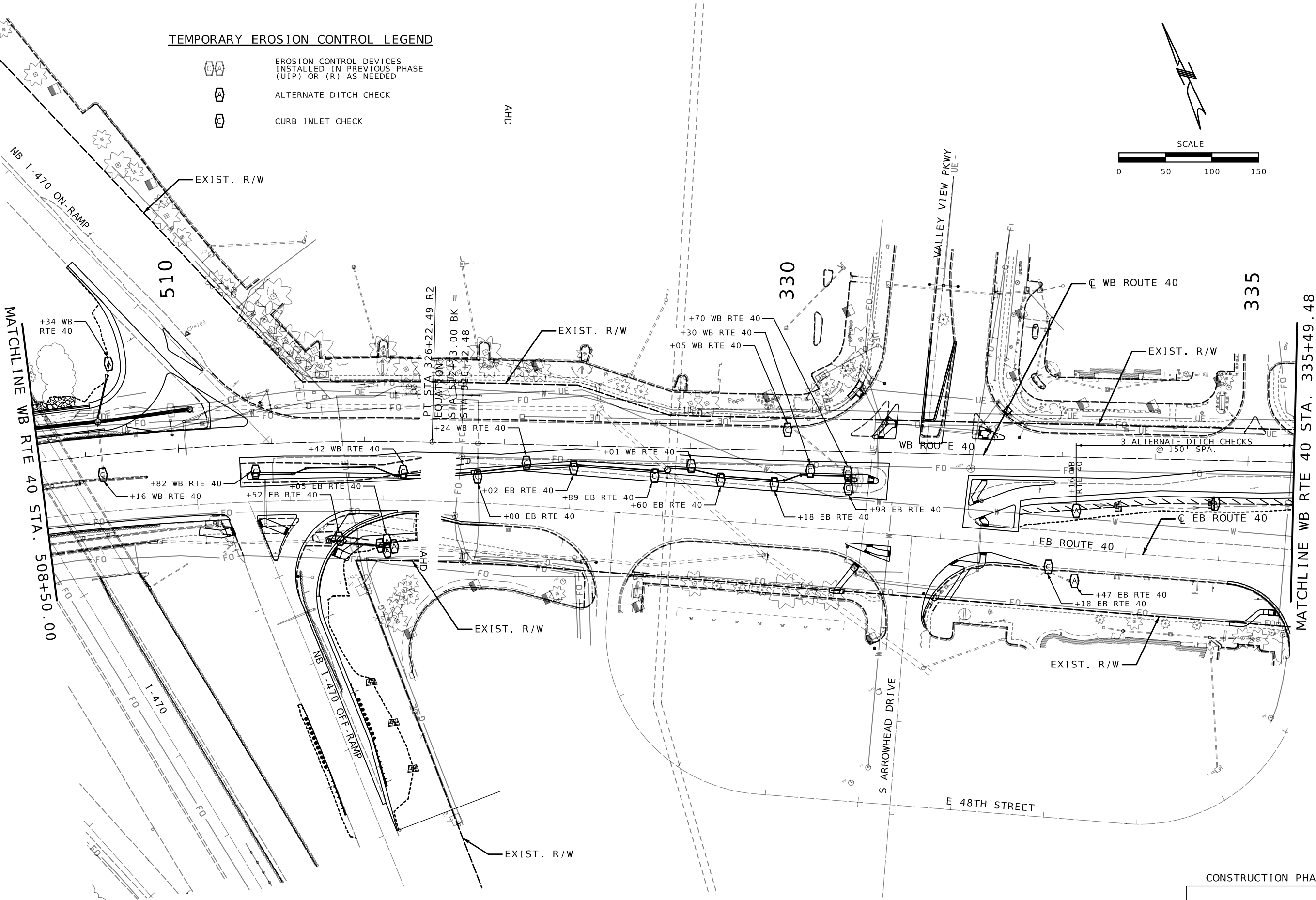
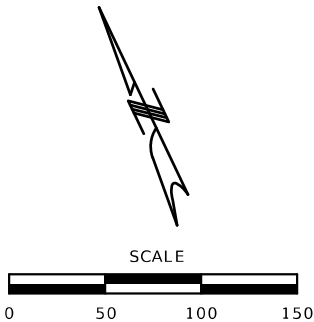
- CHA

EROSION CONTROL DEVICES
INSTALLED IN PREVIOUS PHASE
(UIP) OR (R) AS NEEDED
- A

ALTERNATE DITCH CHECK
- C

CURB INLET CHECK

AHD



DATE PREPARED 6/7/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 63
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

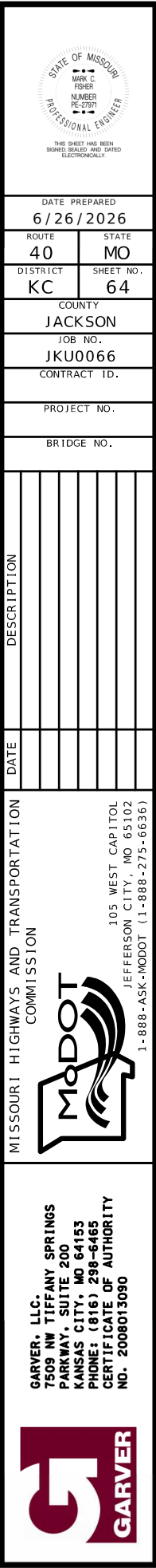
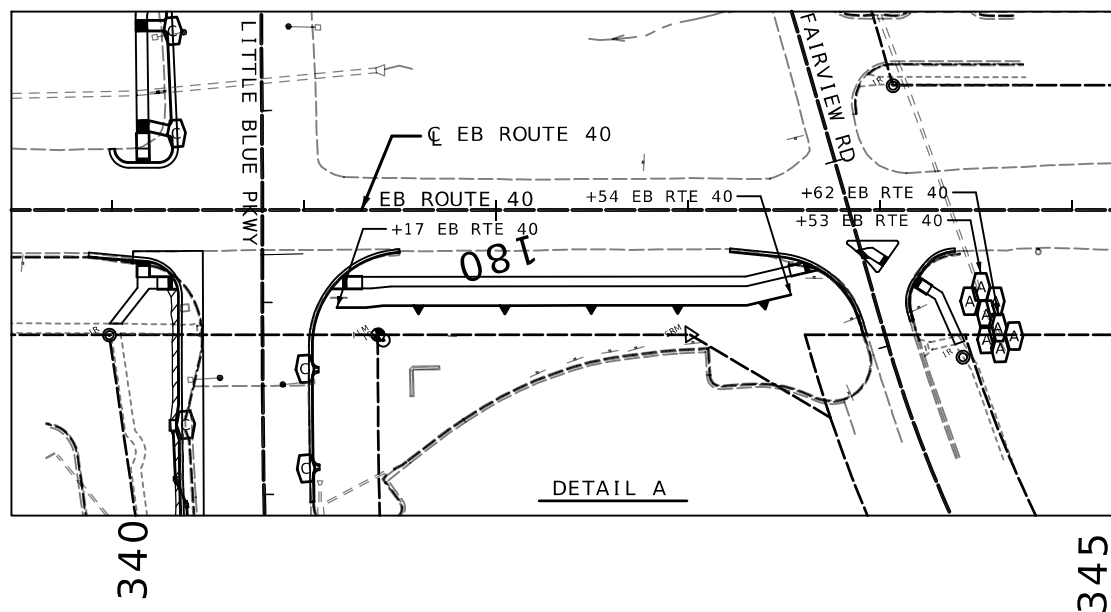
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

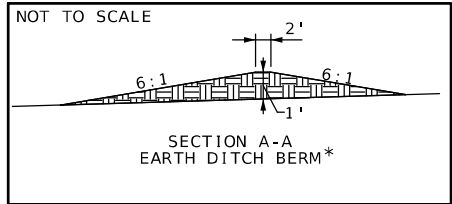
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

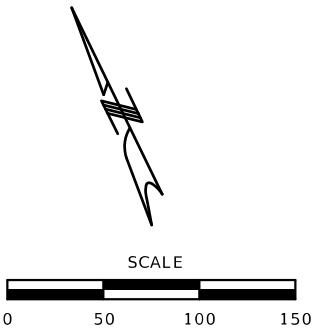


CONSTRUCTION PHASE
EROSION CONTROL SHEET
SHEET 5 OF 10





*NOTE: PAID FOR AS VOLUME GRADING
SEE QUANTITY SHEET 5 OF 17



CL LITTLE BLUE PKWY

MATCHLINE WB RTE 40 STA. 335+49.00

340

345

EXIST. R/W

WB ROUTE 40

CL WB ROUTE 40

+76
EB ROUTE 40

+67
EB ROUTE 40

EXIST. R/W

+54
EB ROUTE 40

+82
EB ROUTE 40

STA. 529+00
EB ROUTE 40

STA. 530+00
EB ROUTE 40
STA. 529+50
EB ROUTE 40

SEE NEXT SHEET FOR LITTLE
BLUE PKWY PERMANENT EROSION CONTROL

LITTLE BLUE PKWY

PERMANENT EROSION CONTROL LEGEND

- SEEDING - COOL SEASON GRASSES
- ROCK LINING
- EARTH DITCH BERM

PERMANENT

EROSION CONTROL SHEET
SHEET 9 OF 10



DATE PREPARED
6/26/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
67

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

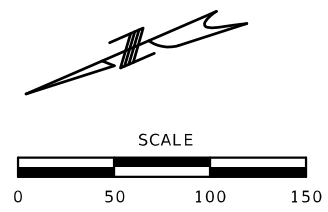
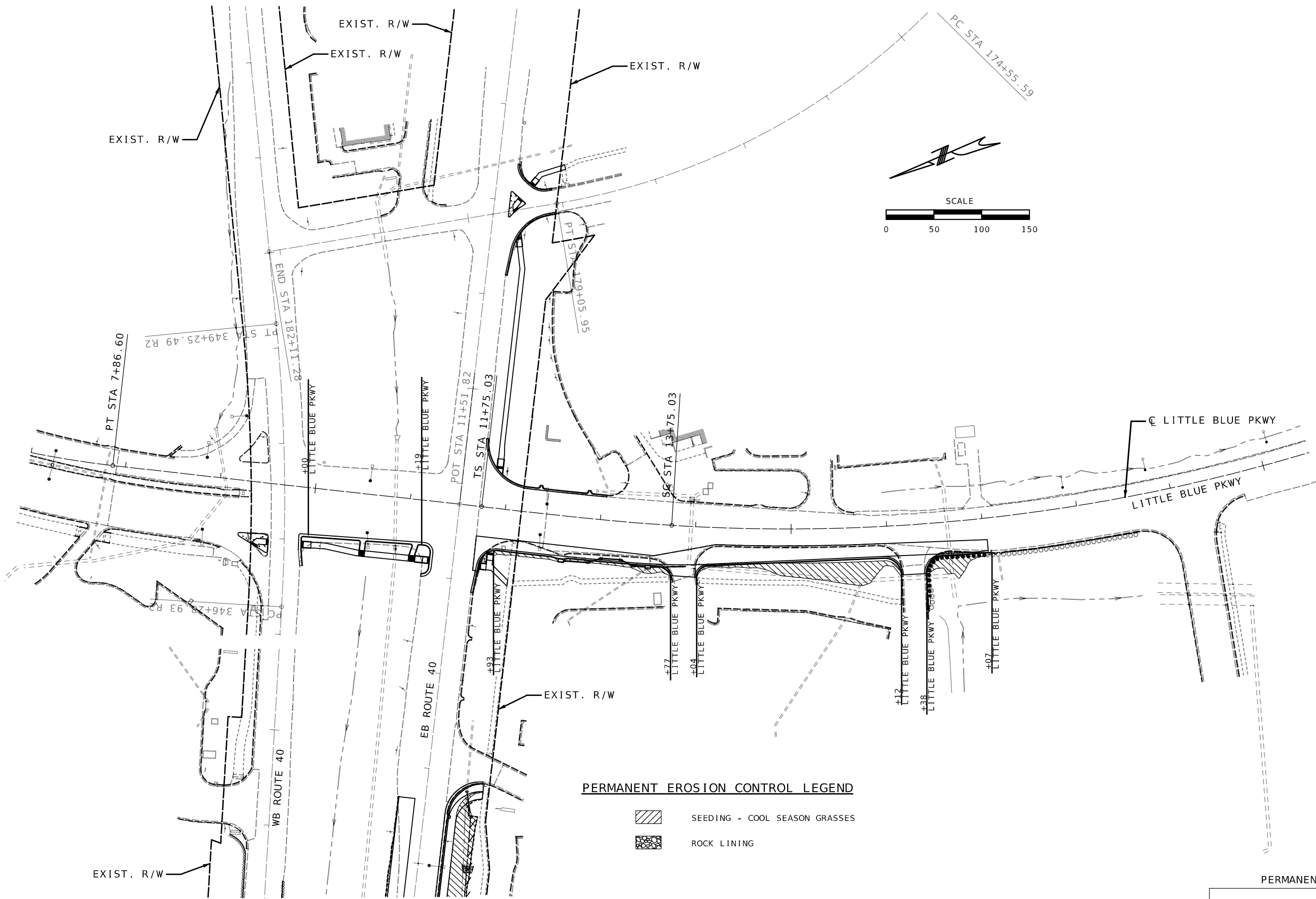
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





PERMANENT EROSION CONTROL LEGEND

-  SEEDING - COOL SEASON GRASSES
-  ROCK LINING

PERMANENT
EROSION CONTROL SHEET
SHEET 10 OF 10



DATE PREPARED 6/26/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 68
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

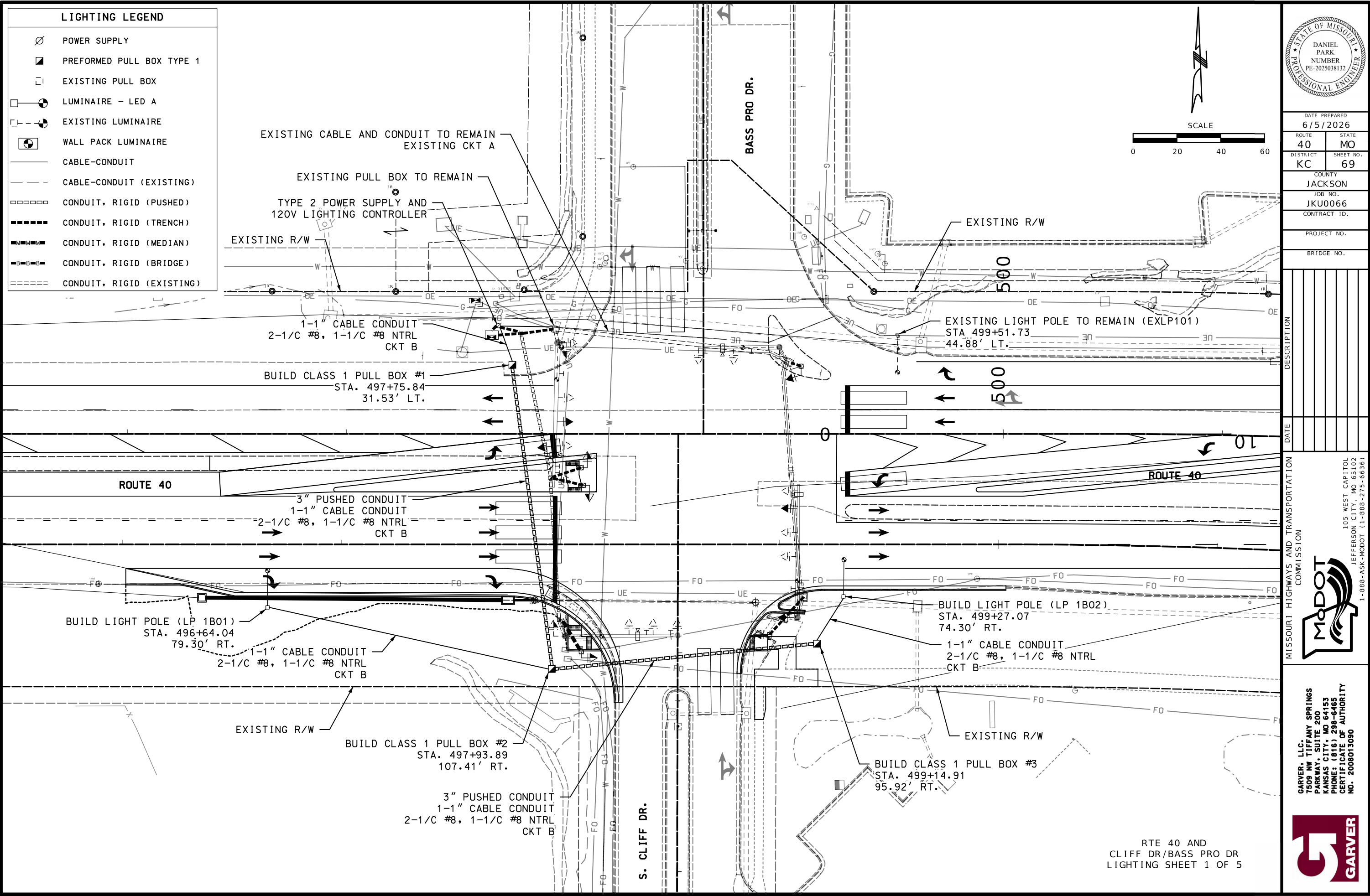
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

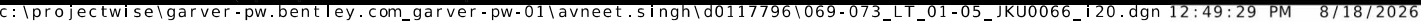


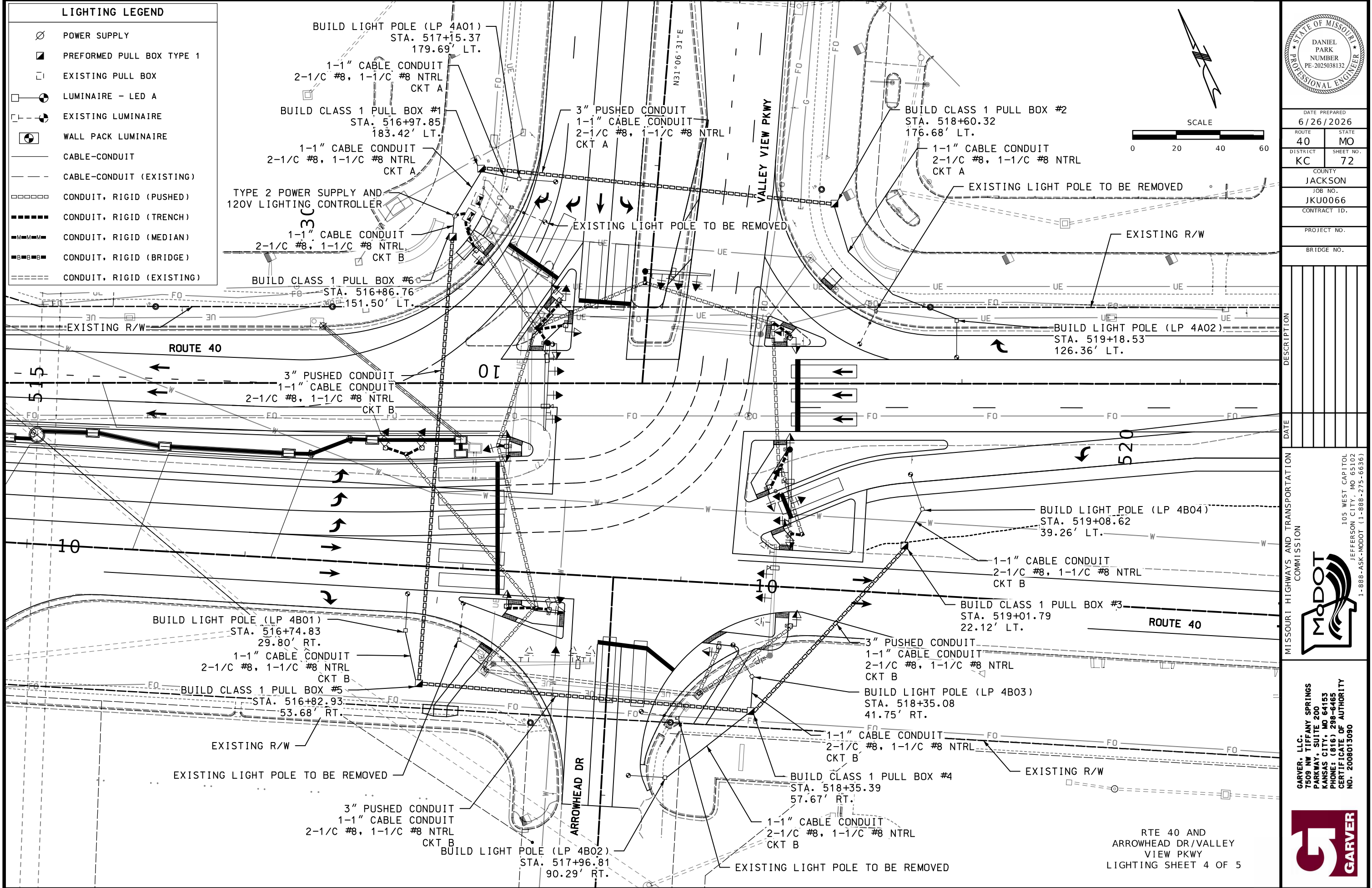
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090









LIGHTING LEGEND

POWER SUPPLY

PREFORMED PULL BOX TYPE 1

EXISTING PULL BOX

LUMINAIRE - LED A

EXISTING LUMINAIRE

WALL PACK LUMINAIRE

CABLE-CONDUIT

CABLE-CONDUIT (EXISTING)

CONDUIT, RIGID (PUSHED)

CONDUIT, RIGID (TRENCH)

CONDUIT, RIGID (MEDIAN)

CONDUIT, RIGID (BRIDGE)

CONDUIT, RIGID (EXISTING)

DATE PREPARED
6/26/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
72

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

LIGHTING LEGEND

	POWER SUPPLY
	PERFORMED PULL BOX TYPE 1
	EXISTING PULL BOX
	LUMINAIRE - LED A
	EXISTING LUMINAIRE
	WALL PACK LUMINAIRE
	CABLE-CONDUIT
	CABLE-CONDUIT (EXISTING)
	CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (TRENCH)
	CONDUIT, RIGID (MEDIAN)
	CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)

LIGHTING LEGEND

	POWER SUPPLY
	PERFORMED PULL BOX TYPE 1
	EXISTING PULL BOX
	LUMINAIRE - LED A
	EXISTING LUMINAIRE
	WALL PACK LUMINAIRE
	CABLE-CONDUIT
	CABLE-CONDUIT (EXISTING)
	CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (TRENCH)
	CONDUIT, RIGID (MEDIAN)
	CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)

NOTE:

1) ALL EXISTING LIGHT POLES THAT ARE SHOWN TO REMAIN SHALL USE EXISTING LIGHTING CABLES AND CIRCUITS UNLESS SHOWN OTHERWISE ON PLANS.

NOTE:

1) ALL EXISTING LIGHT POLES THAT ARE SHOWN TO REMAIN SHALL USE EXISTING LIGHTING CABLES AND CIRCUITS UNLESS SHOWN OTHERWISE ON PLANS.

RTE 40 AND
LITTLE BLUE PKWY
LIGHTING SHEET 5 OF 5



DATE PREPARED
8/18/2026

ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 73

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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NO						
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[illegible]

DESCRIPTION

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UNIVERSITY OF REGINA

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AUTH

C. AFFANY
SUITE
Y. MO
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NEW YORK, N.Y. (AP) — The New York City Police Department on Tuesday said it had arrested a man suspected of plotting to kill President Donald Trump and Vice President Mike Pence.

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RTIF
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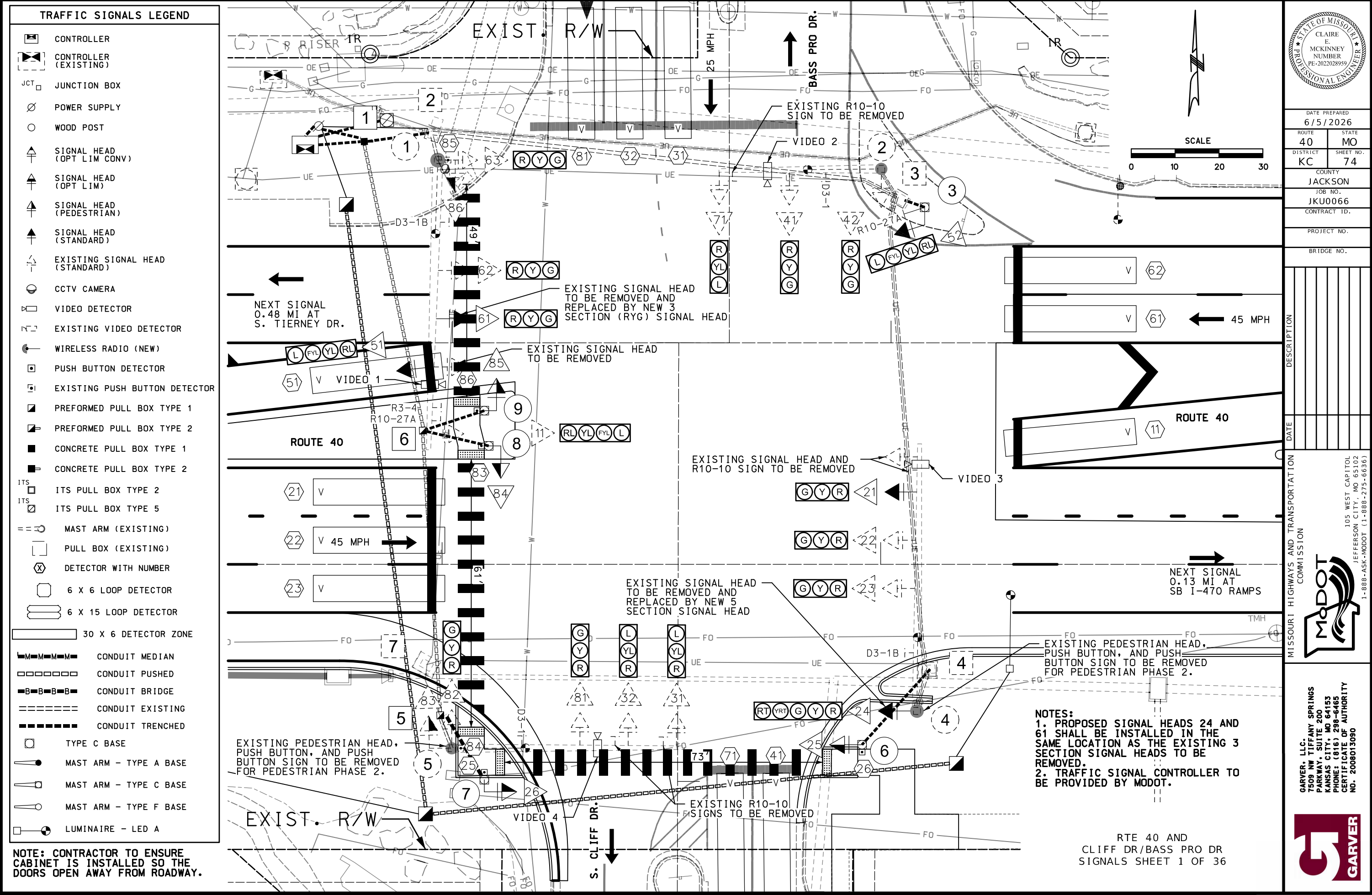
GA
75
PA
KA
PH
CE
NO

HEM



33 PM 8/18/202

155 11. 5/15/202



DATE PREPARED	
6/5/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	75
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PROJECT NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

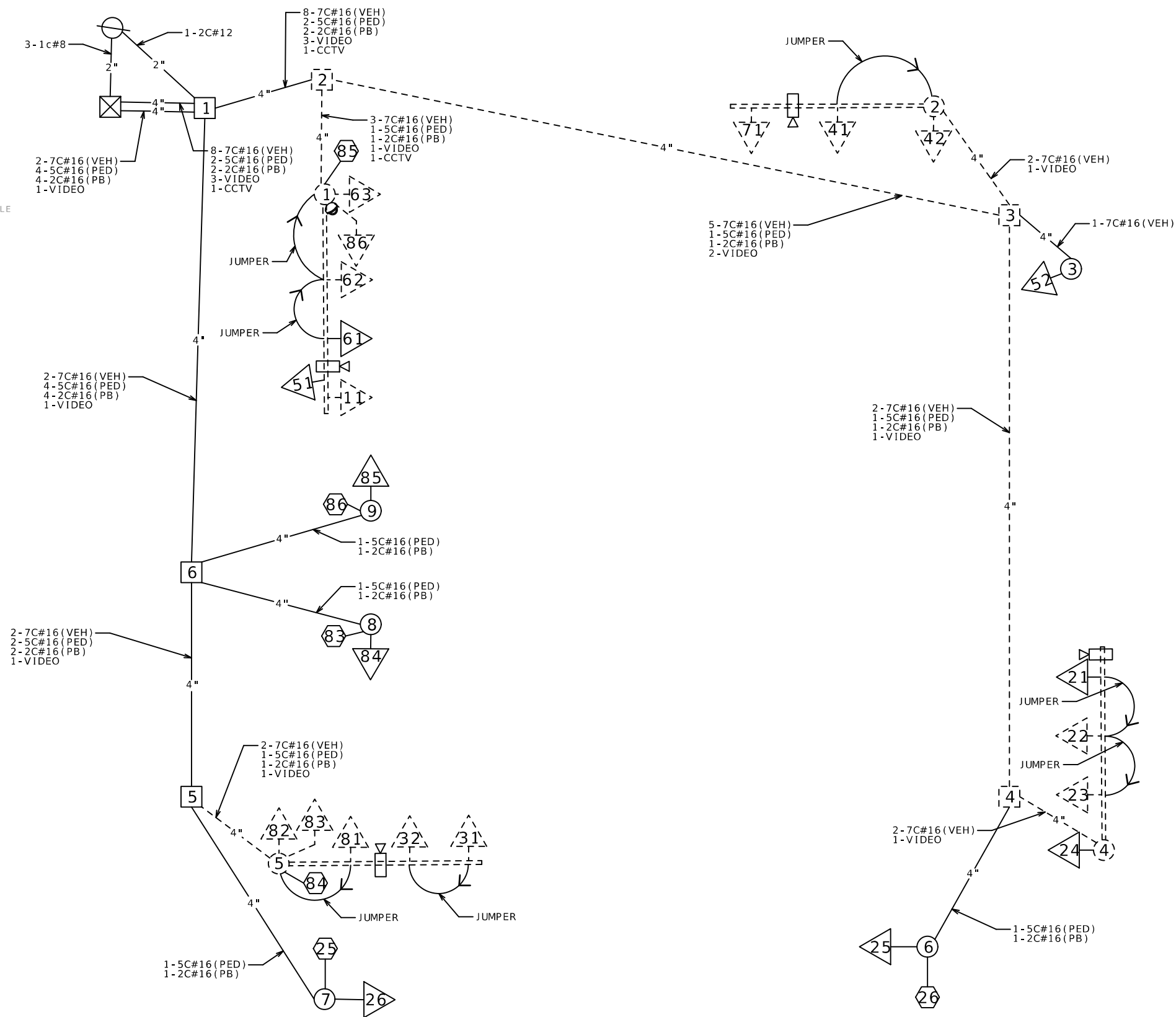
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE

RTE 40 AND
CLIFF DR/BASS PRO DR
SIGNALS SHEET 3 OF 36

NOT TO SCALE



3" CONDUIT CONTAINING CABLE WITH SIZE

———— 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

(X) POST WITH MAST ARM

(X) POST WITH MAST ARM AND LUMINAIRE

 Baylor University

1

 DETECTOR WITH NUMBER

 SIGNAL HEAD WITH NUMBER

2

□

Figure 1 *Flowchart of the study*

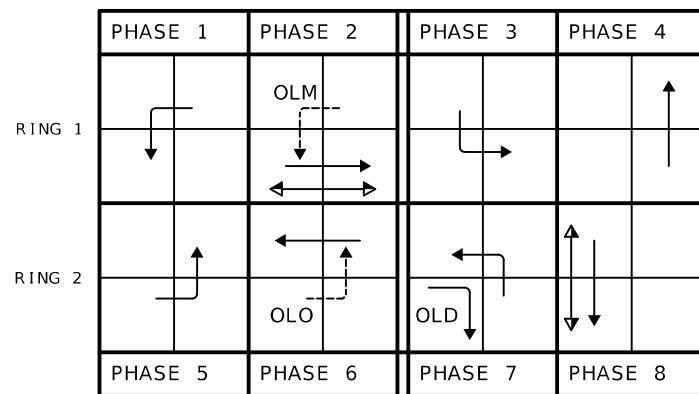
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RTE 40 AND
CLIFF DR/BASS PRO DR
SIGNALS SHEET 5 OF 36

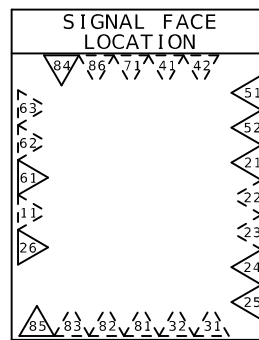
D-37D



										TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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RING STRUCTURE



FLASHING OPERATION

ALL APPROACHES

CONTROLLER TYPE	NEMA
-----------------	------

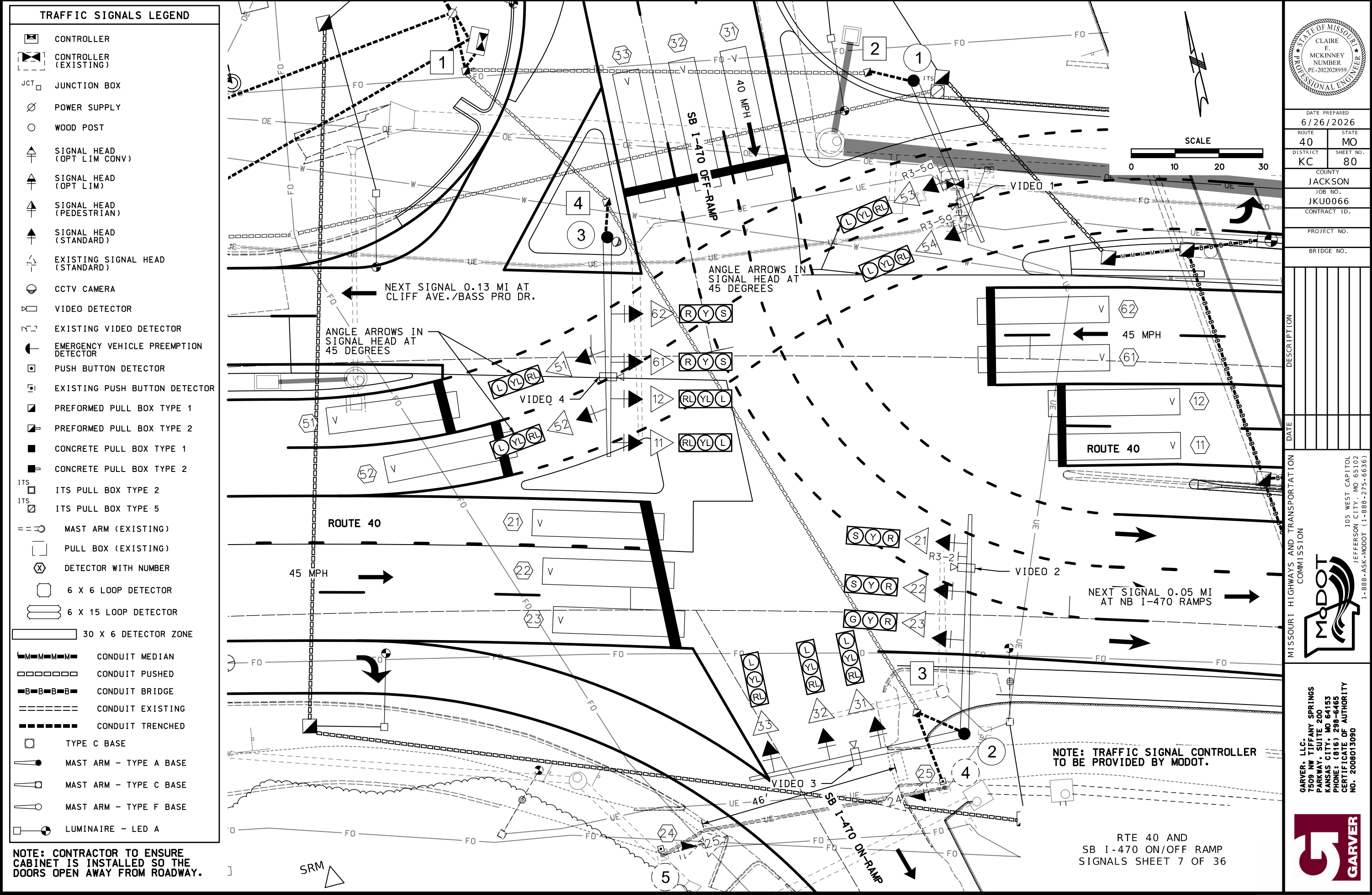
LEGEND

- 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
 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

TRAFFIC SIGNAL CONTROL OPERATION

RTE 40 AND
CLIFF DR/BASS PRO DR
SIGNALS SHEET 6 OF 36

D-38A



TRAFFIC SIGNALS LEGEND

CONTROLLER

CONTROLLER (EXISTING)

JUNCTION BOX

POWER SUPPLY

WOOD POST

SIGNAL HEAD (OPT LIM CONV)

SIGNAL HEAD (OPT LIM)

SIGNAL HEAD (PEDESTRIAN)

SIGNAL HEAD (STANDARD)

EXISTING SIGNAL HEAD (STANDARD)

CCTV CAMERA

VIDEO DETECTOR

EXISTING VIDEO DETECTOR

EMERGENCY VEHICLE PREEMPTION DETECTOR

PUSH BUTTON DETECTOR

EXISTING PUSH BUTTON DETECTOR

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

MAST ARM (EXISTING)

PULL BOX (EXISTING)

DETECTOR WITH NUMBER

6 X 6 LOOP DETECTOR

6 X 15 LOOP DETECTOR

30 X 6 DETECTOR ZONE

CONDUIT MEDIAN

CONDUIT PUSHED

CONDUIT BRIDGE

CONDUIT EXISTING

CONDUIT TRENCHED

TYPE C BASE

MAST ARM - TYPE A BASE

MAST ARM - TYPE C BASE

MAST ARM - TYPE F BASE

LUMINAIRE - LED A

NOTE: CONTRACTOR TO ENSURE CABINET IS INSTALLED SO THE DOORS OPEN AWAY FROM ROADWAY.

DATE PREPARED
6/26/2026

ROUTE
40

DISTRICT
KC

STATE
MO

SHEET NO.
80

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

DATE PREPARED	
6/26/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	81
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

PAID FOR AS ONE VIDEO DETECTION SYSTEM
PAID FOR AS ONE CCTV CAMERA ASSEMBLY (SEE JSP'S)
B¹ & C¹ DIMNENSIONS ASSOCIATED WITH EASTBOUND SIGNALS ON POLE 3

RTE 40 AND SB I-470
SIGNALS SHEET 8 OF 36

DATE PREPARED	
6/26/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	82

COUNTY
JACKSON
JOB NO.
JKU0066
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI
DEPARTMENT OF
TRANSPORTATION
COMMISSION

HARVER, LLC.
 1509 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-8465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



RTE 40 AND SB I-470
SIGNALS SHEET 9 OF 36

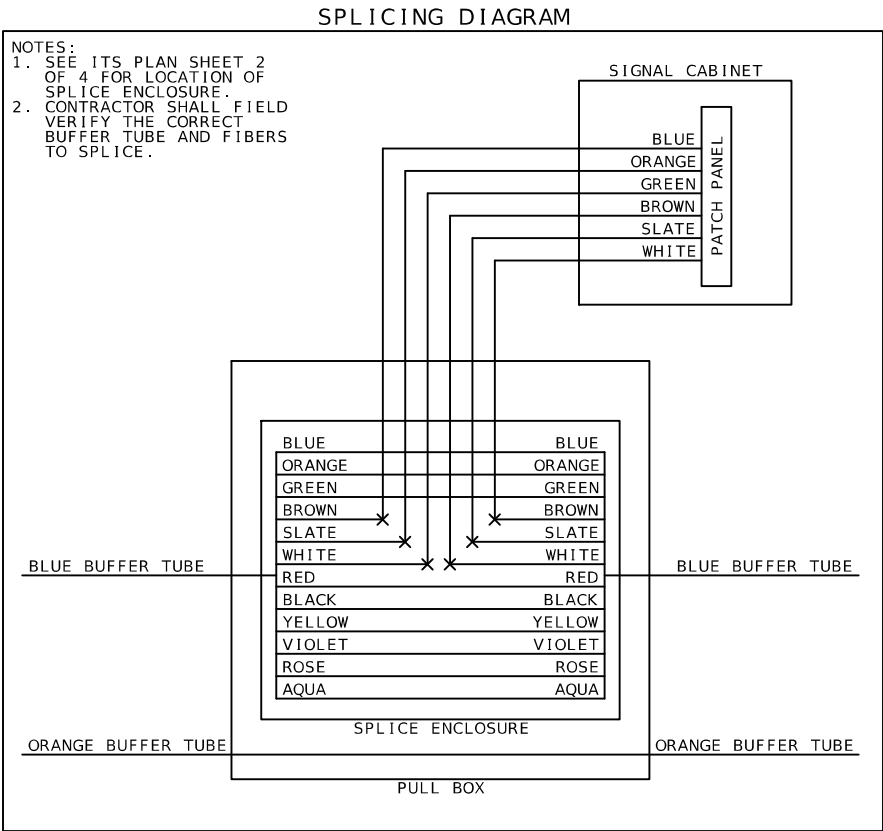
CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																					
LOCATION			SYSTEM MASTER (CLOSED LOOP)		(4) ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE					TIME CLOCK	NEMA CABINET TYPE			2070 CABINET TYPE		2070 SOFTWARE	
									12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP									
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	TYPE		MASTER	LOCAL			NEMA	2070		E	EV	DOUBLE	332	336S	OMNI EX
WB ROUTE 40	505+76.64	72.25'LT.														1					

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	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT	MAIN	CONTRACT	UTILITY
WB ROUTE 40	505+70.19	78.92'LT.	Type 2		15 Amps	40 Amps	SIGNALS	LIGHTING	CNTRL CABINET	BREAKER	FURNISH	COMPANY

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
		INCHES	SQ. FT.	SQ. FT.	EA.
1	R3-2	36 X 36	9	9.0	1
2	R3-5a	30 X 36	7.5	15.0	2
* 2	R10-3eL	9 X 15	0.94	1.9	2
SUBTOTAL			24.0	3	
TOTAL			24.0	3	

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			VIDEO (2)
			INDUCTION LOOP	DELAY/ EXTEND	CALL UNIT	
11, 12	WBLT ROUTE 40					VIDEO 4
21, 22, 23	EB ROUTE 40					VIDEO 2
24, 25	ROUTE 40 PED	2				
31, 32, 33	SB I-470 RAMP					VIDEO 3
51, 52	EBLT ROUTE 40					VIDEO 1
61, 62	WB ROUTE 40					VIDEO 4
SUBTOTALS		2				1
TOTALS		2				1

- * 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) VIDEO DETECTION SYSTEM TO BE COMPLETE INCLUDING COLOR CAMERAS, PROCESSOR, COLOR MONITOR, MOUNTING HARDWARE, AND CAMERA CABLE (BROADBAND OVER POWER) PER MANUFACTURER'S SPECIFICATIONS. THESE ITEMS SHALL BE PAID FOR AS ONE (1) VIDEO DETECTION SYSTEM.
- (3) SEE LIGHTING SHEET 2 FOR LIGHTING CONTROLLER DETAILS.
- (4) TRAFFIC CONTROLLER TO BE PROVIDED BY MODOT.



NEMA DETECTOR ASSIGNMENT									
CARD POSITION									
CHANNEL	1	2	3	4	5	6	7	8	
	1	2	3	4	5	6	7	8	

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS							
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
PED							

RTE 40 AND SB I-470
SIGNALS SHEET 10 OF 36



DATE PREPARED
6/5/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
83

COUNTY
JACKSON

JOB NO.
JKU0066

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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

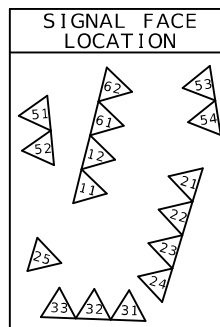


[illegible]

PHASE 1		PHASE 2		PHASE 3		PHASE 4	
							
							
PHASE 5		PHASE 6		PHASE 7		PHASE 8	

BARRIER

SIGNAL FAC
LOCATION



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

TRAFFIC SIGNAL CONTROL OPERATION

RTE 40 AND SB I-470
SIGNALS SHEET 12 OF 36

FLASHING OPERATION

ALL APPROACHES

FR

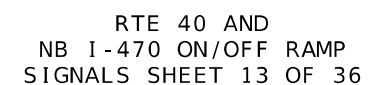
CONTROLLER TYPE	NEMA
-----------------	------

NEMA

D-38A

	CONTROLLER
	CONTROLLER (EXISTING)
JCT	JUNCTION BOX
	POWER SUPPLY
	WOOD POST
	SIGNAL HEAD (OPT LIM CONV)
	SIGNAL HEAD (OPT LIM)
	SIGNAL HEAD (PEDESTRIAN)
	SIGNAL HEAD (STANDARD)
	EXISTING SIGNAL HEAD (STANDARD)
	CCTV CAMERA
	VIDEO DETECTOR
	EXISTING VIDEO DETECTOR
	WIRELESS RADIO (NEW)
	PUSH BUTTON DETECTOR
	EXISTING PUSH BUTTON DETECTOR
	PREFORMED PULL BOX TYPE 1
	PREFORMED PULL BOX TYPE 2
	CONCRETE PULL BOX TYPE 1
	CONCRETE PULL BOX TYPE 2
ITS	ITS PULL BOX TYPE 2
ITS	ITS PULL BOX TYPE 5
	MAST ARM (EXISTING)
	PULL BOX (EXISTING)
	DETECTOR WITH NUMBER
	6 X 6 LOOP DETECTOR
	6 X 15 LOOP DETECTOR
	30 X 6 DETECTOR ZONE
	CONDUIT MEDIAN
	CONDUIT PUSHED
	CONDUIT BRIDGE
	CONDUIT EXISTING
	CONDUIT TRENCHED
	TYPE C BASE
	MAST ARM - TYPE A BASE
	MAST ARM - TYPE C BASE
	MAST ARM - TYPE F BASE
	LUMINAIRE - LED A

NOTE: TRAFFIC SIGNAL CONTROLLER
TO BE PROVIDED BY MODOT.



[illegible][illegible]

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

D-37A

PROJECT NO.
BRIDGE NO.

[illegible]

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE

D-37B

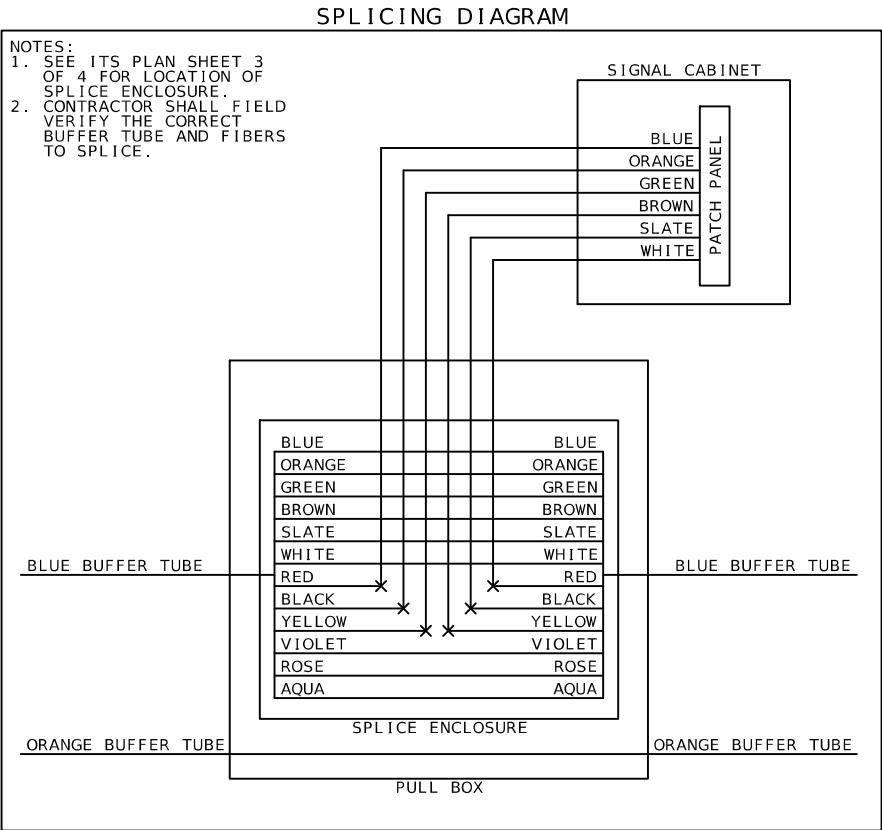
CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																						
LOCATION			SYSTEM MASTER (CLOSED LOOP)		(4) ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE						TIME CLOCK	NEMA CABINET TYPE			2070 CABINET TYPE		2070 SOFTWARE	
									12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	TYPE		MASTER	LOCAL			NEMA		2070		E	EV	DOUBLE	332	336S	OMNI EX
WB ROUTE 40	512+05.44	93.86'RT.														1						

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	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT	MAIN	CONTRACT	UTILITY
WB ROUTE 40	511+99.24	100.23'RT.	Type 2		15 Amps	40 Amps	SIGNALS	LIGHTING	CNTRL CABINET	BREAKER	FURNISH	COMPANY

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO.	SIGNAL SIGN MOUNTING HARDWARE ITEM NO.
		INCHES	SQ. FT.	SQ. FT.	EA.
2	R3-2	36 X 36	9	18.0	2
2	R3-5R	30 X 36	7.5	15.0	2
* 3	R10-3eR	9 X 15	0.94	2.8	3
* 1	R10-3eL	9 X 15	0.94	0.9	1
SUBTOTAL				33.0	4
TOTAL				33.0	4

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			VIDEO (2)
			STANDARD	DELAY/ EXTEND	CALL UNIT	
21, 22, 23	EB ROUTE 40					VIDEO 1
24, 25, 26, 27	ROUTE 40 PED	4				
42, 43	NBRT I-470 RAMP					VIDEO 2
61, 62, 63, 64	WB ROUTE 40					VIDEO 3
71, 72	NBLT I-470 RAMP					VIDEO 4
SUBTOTALS		4				1
TOTALS		4				1

- * 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) VIDEO DETECTION SYSTEM TO BE COMPLETE INCLUDING COLOR CAMERAS, PROCESSOR, COLOR MONITOR, MOUNTING HARDWARE, AND CAMERA CABLE (BROADBAND OVER POWER) PER MANUFACTURER'S SPECIFICATIONS. THESE ITEMS SHALL BE PAID FOR AS ONE (1) VIDEO DETECTION SYSTEM.
- (3) SEE LIGHTING SHEET 3 FOR LIGHTING CONTROLLER DETAILS.
- (4) TRAFFIC SIGNAL CONTROLLER TO BE PROVIDED BY MODOT.



NEMA DETECTOR ASSIGNMENT									
CARD POSITION									
CHANNEL	1	2	3	4	5	6	7	8	

VIDEO

TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS															
1	2	3	4	5	6	7	8								
	2.1 2.2 2.3				6.1 6.2 6.3	7.1 7.2									
9	10	11	12	13	14	15	16								
2.4 2.5 2.6 2.7 PED						4.1 4.2 4.3 OL C									

RTE 40 AND NB I-470
SIGNALS SHEET 16 OF 36



DATE PREPARED
6/5/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
89

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 90

CONCLUSIONS

PROJECT NO. _____

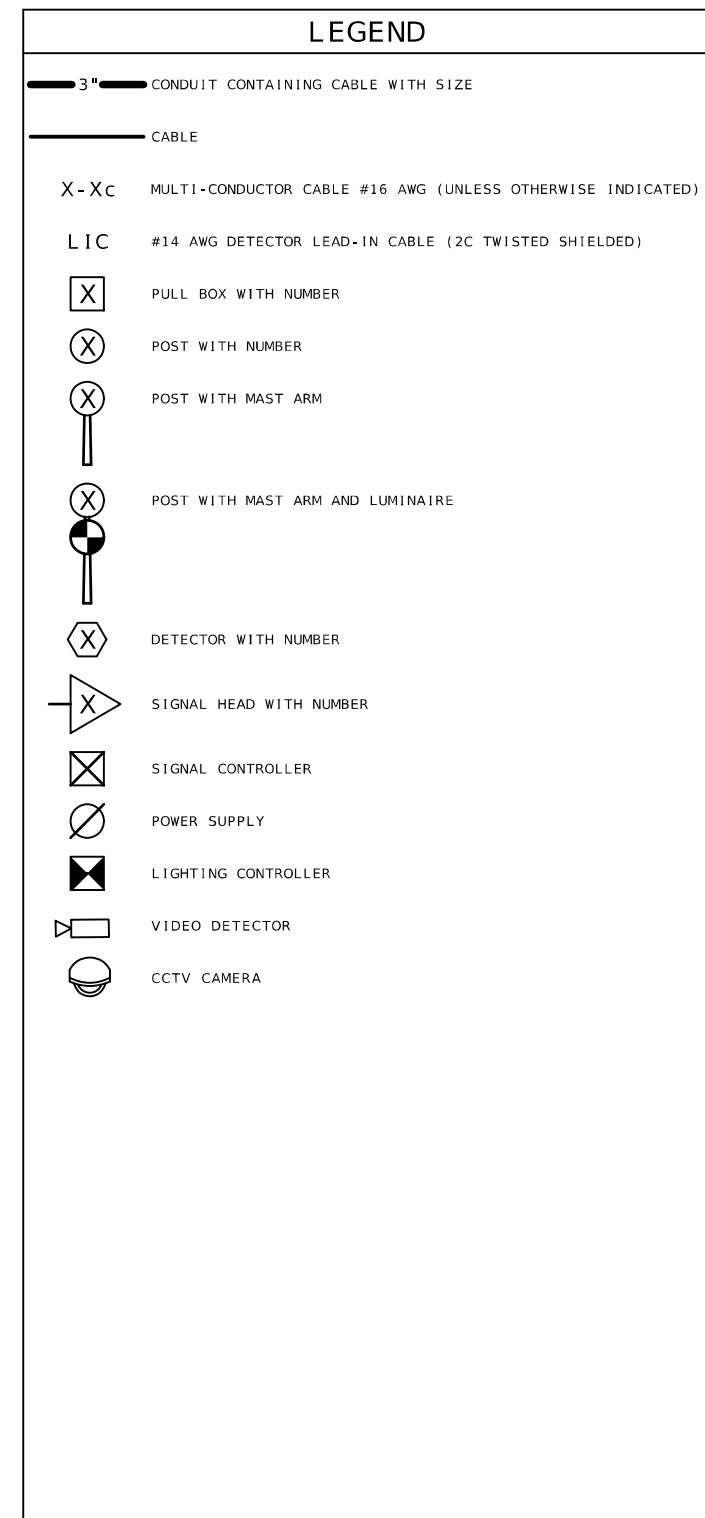
BRIDGE NO.

[illegible]

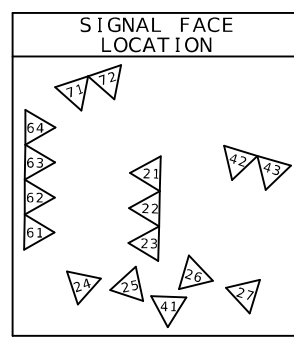
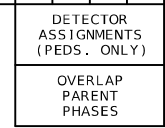
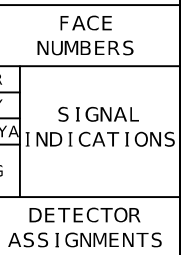
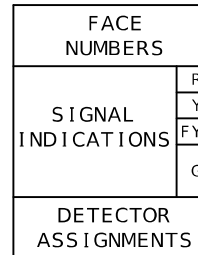
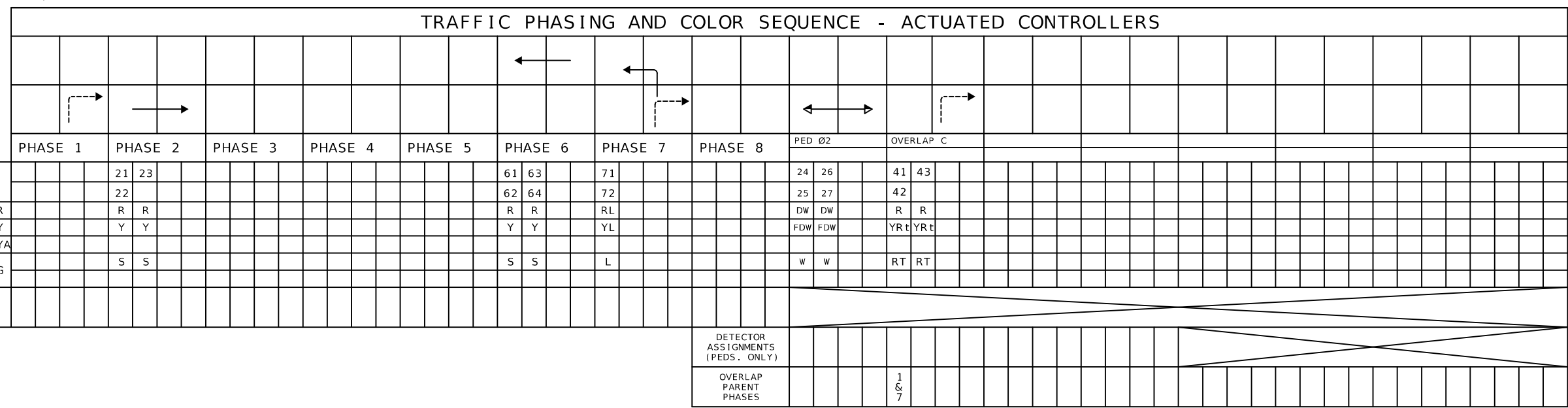
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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NO. 2008013090



D-37D



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

TRAFFIC SIGNAL CONTROL OPERATION

RTE 40 AND NB I-470
SIGNALS SHEET 18 OF 36

FLASHING OPERATION

ALL APPROACHES

FR

CONTROLLER TYPE	NEMA
-----------------	------

D-38A

	CONTROLLER
	CONTROLLER (EXISTING)
JCT	JUNCTION BOX
	POWER SUPPLY
	WOOD POST
	SIGNAL HEAD (OPT LIM CONV)
	SIGNAL HEAD (OPT LIM)
	SIGNAL HEAD (PEDESTRIAN)
	SIGNAL HEAD (STANDARD)
	EXISTING SIGNAL HEAD (STANDARD)
	CCTV CAMERA
	VIDEO DETECTOR
	EXISTING VIDEO DETECTOR
	WIRELESS RADIO (NEW)
	PUSH BUTTON DETECTOR
	EXISTING PUSH BUTTON DETECTOR
	PREFORMED PULL BOX TYPE 1
	PREFORMED PULL BOX TYPE 2
	CONCRETE PULL BOX TYPE 1
	CONCRETE PULL BOX TYPE 2
ITS	ITS PULL BOX TYPE 2
ITS	ITS PULL BOX TYPE 5
=	MAST ARM (EXISTING)
	PULL BOX (EXISTING)
	DETECTOR WITH NUMBER
	6 X 6 LOOP DETECTOR
	6 X 15 LOOP DETECTOR
	30 X 6 DETECTOR ZONE
	CONDUIT MEDIAN
	CONDUIT PUSHED
	CONDUIT BRIDGE
	CONDUIT EXISTING
	CONDUIT TRENCHED
	TYPE C BASE
	MAST ARM - TYPE A BASE
	MAST ARM - TYPE C BASE
	MAST ARM - TYPE F BASE
	LUMINAIRE - LED A

NOTE: TRAFFIC SIGNAL CONTROLLER
TO BE PROVIDED BY MODOT.



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 92

COUNTY	JACKSON
JOB NO.	JKU0066
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE	AMOUNT	REMARKS
...	...	...	...

3.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



DRIVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



DATE PREPARED	
6/5/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	93
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

BARVER, LLC.
509 NW TIFFANY SPRINGS
ARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



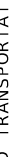
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DATE PREPARED 6/26/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 94

COUNTY	JACKSON
JOB NO.	JKU0066
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
TEL: 573-751-3300 FAX: 573-751-3301
1-888-ASK-MODOT (1-888-275-6363)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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DATE PREPARED 6/26/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 95

COUNTY	JACKSON
JOB NO.	JKU0066
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
TEL. 573-751-3300
1-888-ASK-MODOT (1-888-275-6363)

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



RTE 40 AND VALLEY VIEW
PKWY/ARROWHEAD DR
SIGNALS SHEET 22 OF 36

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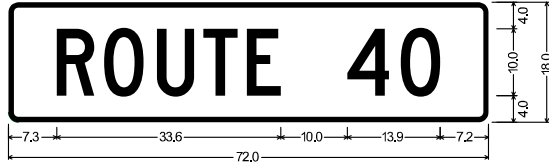
CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																						
LOCATION			SYSTEM MASTER (CLOSED LOOP)		(3) ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE					TIME CLOCK	NEMA CABINET TYPE			2070 CABINET TYPE		2070 SOFTWARE		
									(1)		TIME BASE	CLOSED LOOP										FIBER
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	MASTER	LOCAL		NEMA	2070	E	EV	DOUBLE	332	336S	OMNI EX	WAPITI		
WB ROUTE 40	330+74.92	76.25'LT.												1								

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	MAIN	CONTRACT	UTILITY
WB ROUTE 40	330+67.55	76.65'LT.	Type 2		15 Amps	40 Amps	SIGNALS 40 Amps	LIGHTING 15 Amps	CNTRL CABINET 1	BREAKER 15 Amps	FURNISH	COMPANY

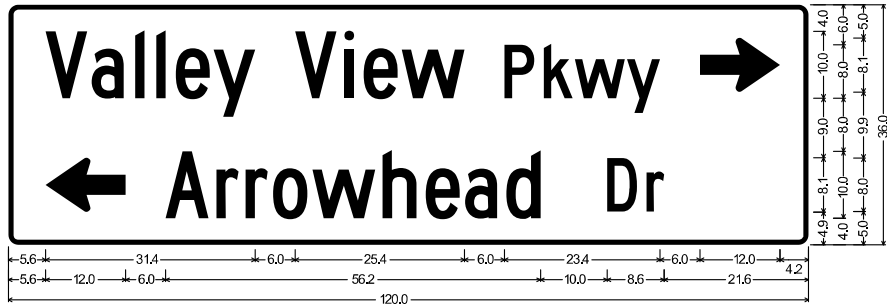
SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO.	SIGNAL SIGN MOUNTING HARDWARE ITEM NO.
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R3-2	36 X 36	9	9.0	1
1	R3-4	36 X 36	9	9.0	1
2	R3-5R	30 X 36	7.5	15.0	2
1	D3-1	72 X 18	9	9.0	1
1	D3-1B	120 X 36	30	30.0	1
2	R10-27A	30 X 36	7.5	15.0	2
* 7	R10-3eR	9 X 15	0.94	6.6	7
* 5	R10-3eL	9 X 15	0.94	4.7	5
* 2	R10-3e (MOD)	9 X 15	0.94	1.9	2
SUBTOTAL				87.0	8
TOTAL				87.0	8

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	TYPE				
		APS PUSH BUTTON	INDUCTION LOOP			VIDEO (2)
			STANDARD	DELAY/ EXTEND	CALL UNIT	
11	WBLT ROUTE 40					VIDEO 2
21, 22	EB ROUTE 40					VIDEO 5
23, 24	ROUTE 40 PED	2				
31	SBLT VALLEY VIEW PKWY					VIDEO 6
41	NB ARROWHEAD DR					VIDEO 3
44, 45, 46, 47, 48	VALLEY VIEW PKWY PED	5				
52, 53, 54	EBLT ROUTE 40					VIDEO 4
61, 62, 63	WB ROUTE 40					VIDEO 2
64, 65, 66, 67	ROUTE 40 PED	4				
71	NBLT ARROWHEAD DR					VIDEO 3
81	SB VALLEY VIEW PKWY					VIDEO 6
84, 85	SBRT VALLEYVIEW PKWY					VIDEO 1
86, 87, 88	VALLEY VIEW PKWY PED	3				
SUBTOTALS		14				1
TOTALS		14				1

- * 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 HARDWARE INTERCONNECT.
- (2) VIDEO DETECTION SYSTEM TO BE COMPLETE INCLUDING COLOR CAMERAS, PROCESSOR, COLOR MONITOR, MOUNTING HARDWARE, AND CAMERA CABLE (BROADBAND OVER POWER) PER MANUFACTURER'S SPECIFICATIONS. THESE ITEMS SHALL BE PAID FOR AS ONE (1) VIDEO DETECTION SYSTEM.
- (3) TRAFFIC SIGNAL CONTROLLER TO BE PROVIDED BY MODOT.
- (4) MMU2 WITH ETHERNET PORT IS REQUIRED FOR FLASHING YELLOW ARROW (FYA).



D3-1 SH-FLAT SHEET;
1.5" Radius, 0.8" Border, White on Green;
"ROUTE 40", C 2K;
Table of letter and object lifts
R 0 0 1 5 4 0
7.3 14.4 22.3 29.3 35.8 50.9 58.9



D3-1B SH-FLAT SHEET;
1.5" Radius, 0.8" Border, White on Green;
"Valley View", C 2K; "Pkwy", C 2K; Standard Arrow 12.0" X 8.1" 0";
Standard Arrow 12.0" X 8.1" 180"; "Arrowhead", C 2K; "Dr", C 2K;
Table of letter and object lifts
V a i l e y V i e w P k w y A r r o w h e a d D r
5.6 12.5 19.0 22.2 25.1 30.8 43.0 50.4 53.3 59.0 74.4 80.3 85.0 92.8 103.8
5.6 23.6 31.2 35.6 39.7 45.6 56.1 62.6 68.5 74.7 89.8 95.7

NEMA DETECTOR ASSIGNMENT									
CARD POSITION									
	1	2	3	4	5	6	7	8	
CHANNEL	1								
	2								

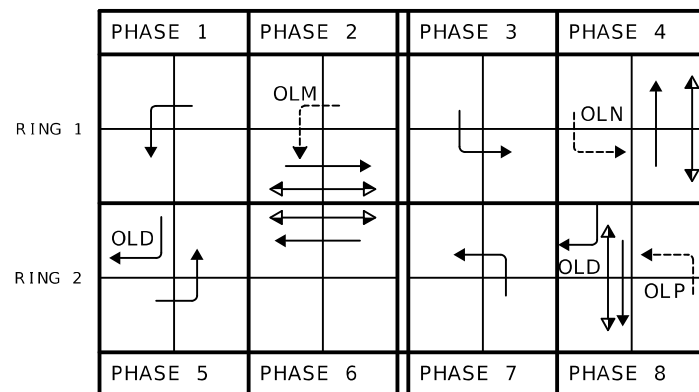
TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS							
1	2	3	4	5	6	7	8
							
9	10	11	12	13	14	15	16
 PED  FYA	 PED  FYA	 PED	 PED  FYA				 OLD

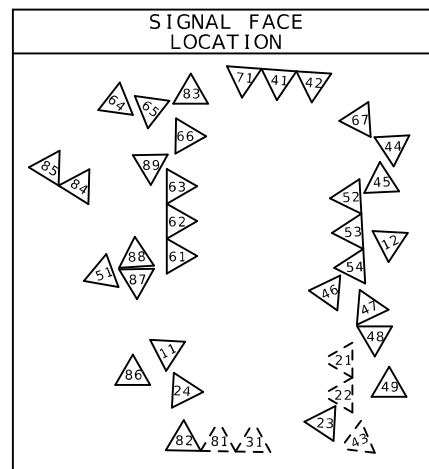
[illegible]

CONDUIT CONTAINING CABLE WITH SIZE	
CABLE	
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
L IC	#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
	VIDEO DETECTOR
	CCTV CAMERA

D-37D

[illegible]

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.

FLASHING OPERATION	
ALL APPROACHES	FR
CONTROLLER TYPE	NEMA

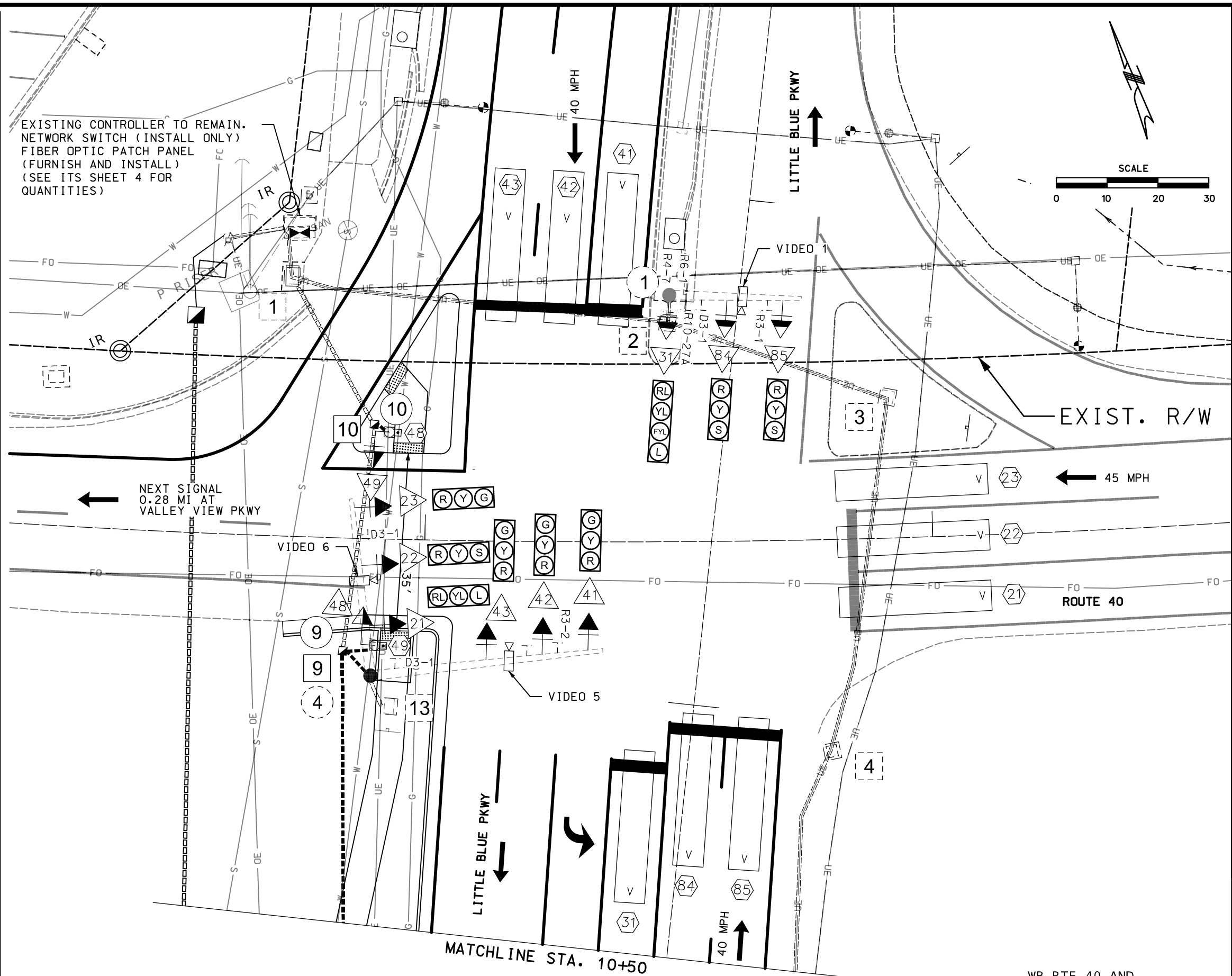
TRAFFIC SIGNAL CONTROL OPERATION

RTE 40 AND VALLEY VIEW
PKWY/ARROWHEAD DR
SIGNALS SHEET 25 OF 36

D-38A

	CONTROLLER
	CONTROLLER (EXISTING)
JCT	JUNCTION BOX
	POWER SUPPLY
	WOOD POST
	SIGNAL HEAD (OPT LIM CONV)
	SIGNAL HEAD (OPT LIM)
	SIGNAL HEAD (PEDESTRIAN)
	SIGNAL HEAD (STANDARD)
	EXISTING SIGNAL HEAD (STANDARD)
	CCTV CAMERA
	VIDEO DETECTOR
	EXISTING VIDEO DETECTOR
	WIRELESS RADIO (NEW)
	PUSH BUTTON DETECTOR
	EXISTING PUSH BUTTON DETECTOR
	PREFORMED PULL BOX TYPE 1
	PREFORMED PULL BOX TYPE 2
	CONCRETE PULL BOX TYPE 1
	CONCRETE PULL BOX TYPE 2
ITS	ITS PULL BOX TYPE 2
ITS	ITS PULL BOX TYPE 5
	MAST ARM (EXISTING)
	PULL BOX (EXISTING)
	DETECTOR WITH NUMBER
	6 X 6 LOOP DETECTOR
	6 X 15 LOOP DETECTOR
	30 X 6 DETECTOR ZONE
	CONDUIT MEDIAN
	CONDUIT PUSHED
	CONDUIT BRIDGE
	CONDUIT EXISTING
	CONDUIT TRENCHED
	TYPE C BASE
	MAST ARM - TYPE A BASE
	MAST ARM - TYPE C BASE
	MAST ARM - TYPE F BASE
	LUMINAIRE - LED A

EXISTING CONTROLLER TO REMAIN.
NETWORK SWITCH (INSTALL ONLY)
FIBER OPTIC PATCH PANEL
(FURNISH AND INSTALL)
(SEE ITS SHEET 4 FOR
QUANTITIES)



DATE PREPARED	
6/26/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	99
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

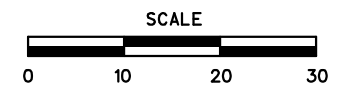
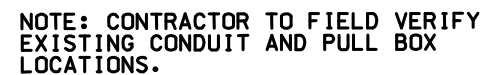
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

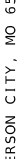
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





DATE PREPARED	
6/26/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	101
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

PROJECT NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE

RTE 40 AND
LITTLE BLUE PKWY
SIGNALS SHEET 29 OF 36

[illegible][illegible]

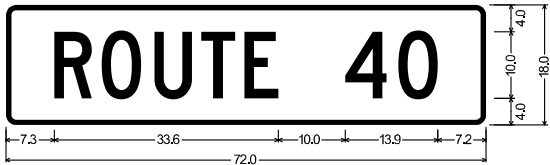
SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ. FT.	SQ. FT.	EA.
1	R10-27A	30 X 36	7.5	7.5	1
1	R3-5L	30 X 36	7.5	7.5	1
2	R3-5A	30 X 36	7.5	15.0	2
1	R3-1	36 X 36	9.0	9.0	1
1	D3-1	72 X 18	9.0	9.0	1
1	M3-4	24 X 12	2.0	2.0	1
1	M1-4	24 X 24	4.0	4.0	
1	M6-3	21 X 15	2.2	2.2	
E	D3-1	E	E	E	1
2	R10-3eL	9 X 15	0.9	1.8	2
4	R10-3eR	9 X 15	0.9	3.6	4
			SUBTOTAL	56.2	8
			TOTAL	56.2	8

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	TYPE				
		APS PUSH BUTTON	INDUCTION LOOP			VIDEO (2)
			STANDARD	DELAY/ EXTEND	CALL UNIT	
21	WBLT ROUTE 40					VIDEO 6
22, 23	WB ROUTE 40					VIDEO 6
31	NBLT LITTLE BLUE PKWY					VIDEO 1
41, 42, 43	SB LITTLE BLUE PKWY AT WB ROUTE 40					VIDEO 5
44, 45	SB LITTLE BLUE PKWY AT EB ROUTE 40					VIDEO 4
46, 47, 48, 49	LITTLE BLUE PKWY PED	4				
51	EBLT EB ROUTE 40					VIDEO 3
61, 62	EB ROUTE 40					VIDEO 3
63, 64	ROUTE 40 PED	2				
71	SBLT LITTLE BLUE PKWY					VIDEO 4
81, 82, 83	NB LITTLE BLUE PKWY AT EB ROUTE 40					VIDEO 2
84, 85	NB LITTLE BLUE PKWY AT WB ROUTE 40					VIDEO 1
SUBTOTALS		6				1
TOTALS		6				1

		NEMA DETECTOR ASSIGNMENT							
		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1		VIDEO						
	2								

NEMA LOAD SWITCH ASSIGNMENTS							
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

- * ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
- ** EXISTING MAST ARM STREET NAME SIGN TO BE RELOCATED.
- *** 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) VIDEO DETECTION SYSTEM TO BE COMPLETE INCLUDING COLOR CAMERAS, PROCESSOR, COLOR MONITOR, MOUNTING HARDWARE, AND CAMERA CABLE (BROADBAND OVER POWER) PER MANUFACTURER'S SPECIFICATIONS. THESE ITEMS SHALL BE PAID FOR AS ONE (1) VIDEO DETECTION SYSTEM.
- (3) UTILIZE EXISTING LIGHTING CONTROLLER AND CIRCUITS FOR PROPOSED LIGHT POLES. SEE LIGHTING SHEET 5 FOR DETAILS.
- (4) INSTALL MODOT PROVIDED ETHERNET SWITCH AND FIBER DISTRIBUTION UNIT IN EXISTING CONTROLLER. SEE ITS SHEET 4 FOR QUANTITY DETAILS.
- (5) UTILIZE EXISTING MMU2 WITH ETHERNET PORT.
- (6) INSTALL LOAD SWITCH FOR LOAD SWITCH 11.
INSTALLATION OF THE LOAD SWITCH AND CABINET MODIFICATIONS NEEDED FOR PROPER INSTALLATION SHALL BE PAID FOR BY THE "NEW LOAD SWITCH IN EXISTING CONTROLLER ASSEMBLY" AND "CABINET MODIFICATION" PAY ITEMS. (SEE JSP'S)



D3-1 SH-FLAT SHEET;
1.5" Radius, 0.8" Border, White on Green;
"ROUTE 40", C 2K;
Table of letter and object lefts

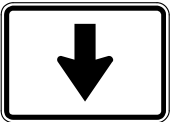
R	O	U	T	E	4	O
7.3	14.4	22.3	29.3	35.8	50.9	58.9



M3-4
(BLACK ON WHITE)



M1 - 4
(BLACK ON WHITE)



M6 - 3
(BLACK ON WHITE)

RTE 40 AND
LITTLE BLUE PKWY
SIGNALS SHEET 30 OF 36

EXISTING
5-7C#16 (VEH
PROPOSED
4-7C#16 (VEH
6-5C#16 (PED
6-2C#16 (PB)
6-VIDEO
1-CCTV

4-7C#16 (V
5-5C#16 (P
5-2C#16 (P
3-VIDEO

4-7C#16(V
5-5C#16(F
5-2C#16(F
3-VIDEO

- EXISTING
5-7C#16 (VEH)
PROPOSED
1-5C#16 (PED)
1-2C#16 (PB)
3-VIDEO
1-CCTV

EXISTING
2-7C#16 (VEH)
PROPOSED
1-VIDEO

— EXISTING
3-7C#16 (VEH
PROPOSED
1-5C#16 (PED
1-2C#16 (PB)
2-VIDEO
1-CCTV

— EXISTING
3-7C#16 (VEH)
PROPOSED
1-5C#16 (PED)
1-2C#16 (PB)
2-VIDEO
1-CCTV

EXISTING
3-7C#16 (VEH)
PROPOSED
1-5C#16 (PED)
1-2C#16 (PB)
2-VIDEO
1-CCTV

EXISTING
3-7C#16 (VEH
PROPOSED
2-VIDEO
1-CCTV

PROPOSED
1 - 5C#16 (PED)
1 - 2C#16 (PB)

1-5C#16 (PED)
1-2C#16 (PB)

1-2C#16

2-7C#16 (VEH)
1-5C#16 (PED)
1-VIDEO

1 - 5C#16 (PED)
1 - 2C#16 (PB)

3" CONDUIT CONTAINING CABLE WITH SIZE

— 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

(X) POST WITH MAST ARM A

QUESTION

U

 SIGNAL HEAD WITH NUMBER

 SIGNAL CONTROLLER

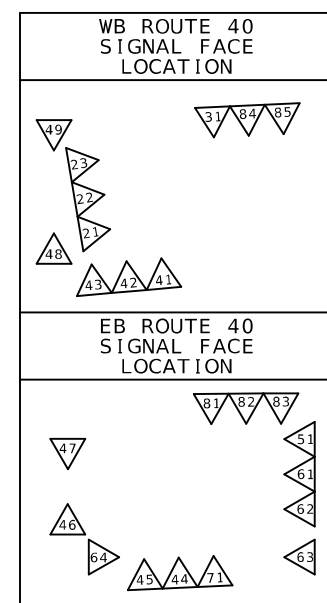
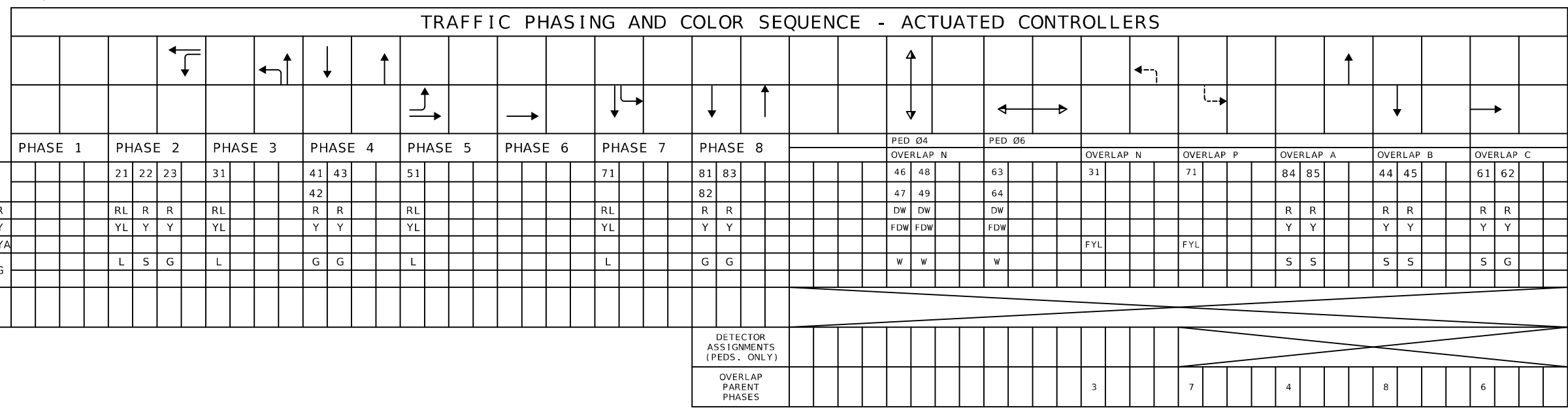
 POWER SUPPLY

 LIGHTING CONTROLLER VIDEO DETECTOR CCTV CAMERA

RTE 40 AND
LITTLE BLUE PKWY
SIGNALS SHEET 31 OF 36

D-37D

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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.

FLASHING OPERATION	
ALL APPROACHES	FR

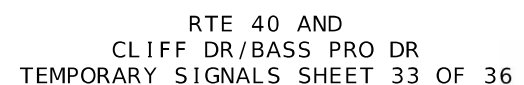
CONTROLLER TYPE	NEMA
-----------------	------

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

TRAFFIC SIGNAL CONTROL OPERATION
RTE 40 AND LITTLE BLUE PKWY SIGNALS SHEET 32 OF 36

1. THE PAVEMENT MARKINGS, CHANNELIZERS, AND BARRICADES ON THIS SHEET ARE FOR PHASE 3 OF CONSTRUCTION. THESE ARE SHOWN FOR INFORMATION PURPOSES ONLY.
2. THE PROPOSED SIGNAL CONTROLLER SHALL BE OPERATIONAL AFTER PHASE 5 OF CONSTRUCTION. EXISTING SIGNAL CONTROLLER SHALL BE OPERATIONAL FOR ALL PRIOR PHASES.
3. DURING PHASE 3 OF CONSTRUCTION, CONTRACTOR SHALL INSTALL FIBER (ITS) EQUIPMENT AND OPERATION GREEN LIGHT (OGL) EQUIPMENT. THE CCTV CAMERA SHALL BE MOUNTED ON SIGNAL POLE 1 AS SHOWN. THE MOUNTING LOCATION ON THE EXISTING SIGNAL POLE SHALL BE FIELD ADJUSTED FOR OPTIMUM VISIBILITY ALONG ROUTE 40. PRIOR TO PHASE 3 OF CONSTRUCTION, CONTRACTOR SHALL CONTACT MID-AMERICA REGIONAL COUNCIL (MARC) AT LEAST TWO WEEKS PRIOR TO EQUIPMENT REMOVAL AND INSTALLATION OF NEW EQUIPMENT TO COORDINATE THIS WORK AND REESTABLISH COMMUNICATIONS. THERE SHALL BE NO DIRECT PAYMENT FOR THIS WORK. THE CONTRACTOR SHALL COORDINATE WITH OGL TO REESTABLISH COMMUNICATIONS WITH MINIMAL DOWNTIME (NO MORE THAN 48 HOURS OUT OF SERVICE).
4. DURING CONSTRUCTION, PROPOSED SIGNAL HEADS SHALL BE COVERED AS NECESSARY AND EXISTING SIGNAL HEADS SHALL BE REMOVED AFTER CORRESPONDING CONSTRUCTION.
5. ALL WORK ASSOCIATED WITH SIGNALS DURING CONSTRUCTION PHASES SHALL BE PAID FOR UNDER THE LUMP SUM BID ITEM "TEMPORARY TRAFFIC SIGNALS."
6. EXISTING SIGNAL POLE 5 CONDUIT AND WIRING SHALL BE MAINTAINED FOR PHASE 1 AND 2 OF CONSTRUCTION. SIGNAL POLE 4 AND 5 OPERATION SHALL BE SWITCHED TO PROPOSED CONTROLLER DURING PHASE 3.
7. PROPOSED PEDESTAL SIGNAL POLE 3 SHALL BE OPERATIONAL AFTER PHASE 5 OF CONSTRUCTION.
8. PROPOSED PEDESTRIAN SIGNALS TO BE OPERATIONAL AFTER PHASE 5 OF CONSTRUCTION. PEDESTRIAN SIGNALS TO BE DISABLED AND BAGGED IN ALL PRIOR PHASES.



NOTES:

1. THE PAVEMENT MARKINGS, CHANNELIZERS, AND BARRICADES ON THIS SHEET ARE FOR PHASE 4 OF CONSTRUCTION. THESE ARE SHOWN FOR INFORMATION PURPOSES ONLY.
2. CONTROLLERS FOR THE NB AND SB I-470 RAMP SHALL BE INSTALLED DURING PHASE 1 OF CONSTRUCTION. PROPOSED ITS CONDUIT LAYOUT TO BE INSTALLED DURING PHASE 1 OF CONSTRUCTION. PROPOSED CONTROLLERS TO BE CONNECTED TO ITS CONDUIT. FOR TEMPORARY USE, PROPOSED CONDUIT TO BE INSTALLED TO CONNECT EXISTING CONTROLLER TO NEW FIBER OPTIC CABLE.
3. EXISTING SIGNAL CONTROLLER SHALL BE OPERATIONAL UNTIL ALL PROPOSED SIGNAL POLES ARE INSTALLED. PROPOSED SIGNAL POLES TO BE INSTALLED WITH CONSTRUCTION PHASES AS NEEDED TO MAINTAIN SIGNAL OPERATION FOR THE NB AND SB I-470 RAMP. EXISTING SIGNAL POLES 1, 2, 6, AND 7 TO BE REMOVED AS NEEDED TO MAINTAIN SIGNAL OPERATION.
4. DURING PHASE 1 OF CONSTRUCTION, CONTRACTOR SHALL INSTALL FIBER (ITS) EQUIPMENT AND OPERATION GREEN LIGHT (OGL), CCTV EQUIPMENT. THE MOUNTING LOCATION ON SIGNAL POLE 3 SHALL BE FIELD ADJUSTED FOR OPTIMUM VISIBILITY ALONG ROUTE 40. PRIOR TO PHASE 1 OF CONSTRUCTION, CONTRACTOR SHALL CONTACT MID-AMERICA REGIONAL COUNCIL (MARC) AT LEAST TWO WEEKS PRIOR TO EQUIPMENT REMOVAL AND INSTALLATION OF NEW EQUIPMENT TO COORDINATE THIS WORK AND REESTABLISH COMMUNICATIONS. THERE SHALL BE NO DIRECT PAYMENT FOR THIS WORK. THE CONTRACTOR SHALL COORDINATE WITH OGL TO REESTABLISH COMMUNICATIONS WITH MINIMAL DOWNTIME (NO MORE THAN 48 HOURS OUT OF SERVICE).
5. DURING CONSTRUCTION, PROPOSED SIGNAL HEADS SHALL BE COVERED AS NECESSARY.
6. ALL WORK ASSOCIATED WITH SIGNALS DURING CONSTRUCTION PHASES SHALL BE PAID FOR UNDER THE LUMP SUM BID ITEM "TEMPORARY TRAFFIC SIGNALS."
7. PROPOSED PEDESTRIAN SIGNALS TO BE OPERATIONAL AFTER PHASE 4 OF CONSTRUCTION. PEDESTRIAN SIGNALS TO BE DISABLED AND BAGGED IN ALL PRIOR PHASES.

STATE OF MISSOURI
CLAIRE E. MCKINNEY
NUMBER PE-2022028959
PROFESSIONAL ENGINEER

DATE PREPARED
6/26/2026

ROUTE
40

DISTRICT
KC

STATE
MO

SHEET NO.
107

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

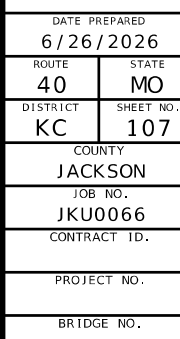
MODOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER

RTE 40 AND I-470
TEMPORARY SIGNALS SHEET 34 OF 36



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



ITS LEGEND	
ITS	
	CLASS 5 ITS PULL BOX
	EXISTING PULL BOX
=====	CONDUIT, RIGID (EXISTING)
-----	CONDUIT, RIGID (TRENCH)
□□□□□□	CONDUIT, RIGID (PUSHED)

1. LOCATION OF EXISTING FIBER AND CONDUIT IS APPROXIMATE AND IS BASED ON THE BEST INFORMATION AVAILABLE AT THIS TIME
2. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING FIBER AND CONDUIT FOR NEW SPLICE.
3. SEE SIGNAL PLAN SHEET 4 OF 36 FOR SPLICE DIAGRAM.



ITS LEGEND	
ITS	
	CLASS 5 ITS PULL BOX
	EXISTING PULL BOX
=====	CONDUIT, RIGID (EXISTING)
-----	CONDUIT, RIGID (TRENCH)
□□□□□□	CONDUIT, RIGID (PUSHED)

EXISTING 2-2" SCOUT FIBER
CONDUITS TO BE LOWERED WITHIN
LIMITS OF CONSTRUCTION (96 LF)
(SEE NOTE 4)

EXISTING SCOUT PULL BOX TO REMAIN
CONTRACTOR SHALL COORDINATE WITH
SCOUT STAFF FOR FIBER INTERCONNECT

CLASS 5 ITS PULL BOX
SPLICE ENCLOSURE
INTERCEPT EXISTING FIBER

EXISTING CONDUIT AND FIBER TO REMAIN
EXISTING R/W

EXISTING PULL
BOX TO REMAIN

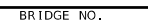
3" CONDUIT
6 FO CABLE

3" CONDUIT
24 FO CABLE

☒ EXISTING FIBER TO BE REMOVED
☐ ABANDON CONDUIT IN PLACE

3" CONDUIT
24 FO CABLE

1. LOCATION OF EXISTING FIBER AND CONDUIT IS APPROXIMATE AND IS BASED ON THE BEST INFORMATION AVAILABLE AT THIS TIME
2. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING FIBER AND CONDUIT FOR NEW SPLICE.
3. SEE SIGNAL PLAN SHEET 10 OF 36 FOR SPLICE DIAGRAM.
4. EXISTING CONDUIT TO BE LOWERED UTILIZING EXISTING FIBER SLACK AND NEW SPLIT DUCT CONDUIT.



PAY ITEM	DESCRIPTION	UNIT	TOTAL
2022010	REMOVAL OF IMPROVEMENTS	LS	0.25
9105201	CONDUIT, 3 IN., RIGID, IN TRENCH	LF	98
9107201	CONDUIT, 3 IN., RIGID, PUSHED	LF	328
9108350	FIBER OPTIC CABLE, 6-STRAND, SINGLE MODE	LF	242
9108352	FIBER OPTIC CABLE, 24-STRAND, 18 SINGLE MODE, 6 MULTIMODE	LF	375
9108816	PULL BOX, PREFORMED CLASS 5	EA	2
* 9109901	FIBER OPTIC SPLICING, TESTING AND DOCUMENTATION	LS	0.25
** 9109902	NETWORK SWITCH (INSTALL ONLY)	EA	1
9109902	FIBER OPTIC PATCH PANEL	EA	1
9109903	LOWERING SCOUT ITS CONDUITS	LF	96

**** NETWORK SWITCH SHALL BE PROVIDED BY MODOT.**

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ITS LEGEND	
ITS 	CLASS 5 ITS PULL BOX
	EXISTING PULL BOX
=====	CONDUIT, RIGID (EXISTING)
-----	CONDUIT, RIGID (TRENCH)
□□□□□□	CONDUIT, RIGID (PUSHED)

1. LOCATION OF EXISTING FIBER AND CONDUIT IS APPROXIMATE AND IS BASED ON THE BEST INFORMATION AVAILABLE AT THIS TIME
2. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING FIBER AND CONDUIT FOR NEW SPLICE.
3. SEE SIGNAL PLAN SHEET 23 OF 36 FOR SPLICE DIAGRAM.

3" CONDUIT
6 FO CABLE

EXISTING CONDUIT AND FIBER TO REMAIN

NETWORK SWITCH (INSTALL ONLY) //
FIBER OPTIC PATCH PANEL (FURNISH AND INSTALL)

VALLEY VIEW PKWY



6/26/2026

ROUTE 40	STATE MO
DISTRICT KC	SHEET NO 113

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

BARVENS, LLC.
77509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



	PAY ITEM	DESCRIPTION	UNIT	TOTAL
	2022010	REMOVAL OF IMPROVEMENTS	LS	0.25
	9105201	CONDUIT, 3 IN., RIGID, IN TRENCH	LF	57
	9108350	FIBER OPTIC CABLE, 6-STRAND, SINGLE MODE	LF	201
	9108816	PULL BOX, PREFORMED CLASS 5	EA	1
*	9109901	FIBER OPTIC SPLICING, TESTING AND DOCUMENTATION	LS	0.25
**	9109902	NETWORK SWITCH (INSTALL ONLY)	EA	1
	9109902	FIBER OPTIC PATCH PANEL	EA	1

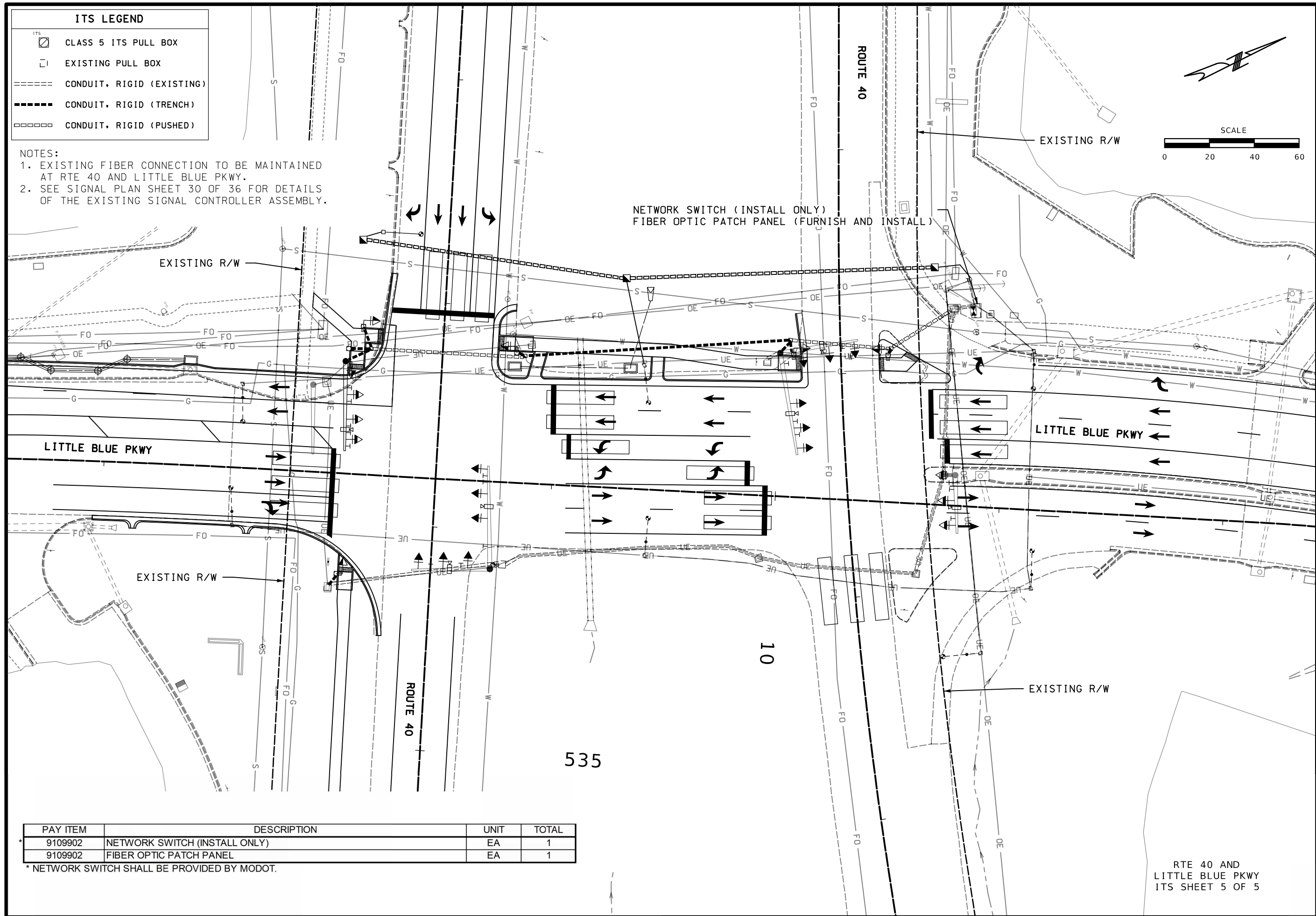
* FIBER OPTIC SPLICING, TESTING AND DOCUMENTATION PAY ITEM INCLUDES ONE SPLICE ENCLOSURE.

** NETWORK SWITCH SHALL BE PROVIDED BY MODOT.

RTE 40 AND
ARROWHEAD DR/VALLEY
VIEW PKWY
ITS SHEET 4 OF 5

ITS LEGEND	
ITS 	CLASS 5 ITS PULL BOX
	EXISTING PULL BOX
=====	CONDUIT, RIGID (EXISTING)
-----	CONDUIT, RIGID (TRENCH)
□□□□□□	CONDUIT, RIGID (PUSHED)

- | ITS LEGEND | |
|--|---------------------------|
| ITS
 | CLASS 5 ITS PULL BOX |
|  | EXISTING PULL BOX |
| ===== | CONDUIT, RIGID (EXISTING) |
| ----- | CONDUIT, RIGID (TRENCH) |
| □□□□□□ | CONDUIT, RIGID (PUSHED) |



PAY ITEM	DESCRIPTION	UNIT	TOTAL
9109902	NETWORK SWITCH (INSTALL ONLY)	EA	1
9109902	FIBER OPTIC PATCH PANEL	EA	1

* NETWORK SWITCH SHALL BE PROVIDED BY MODOT.

RTE 40 AND
LITTLE BLUE PKWY
ITS SHEET 5 OF 5

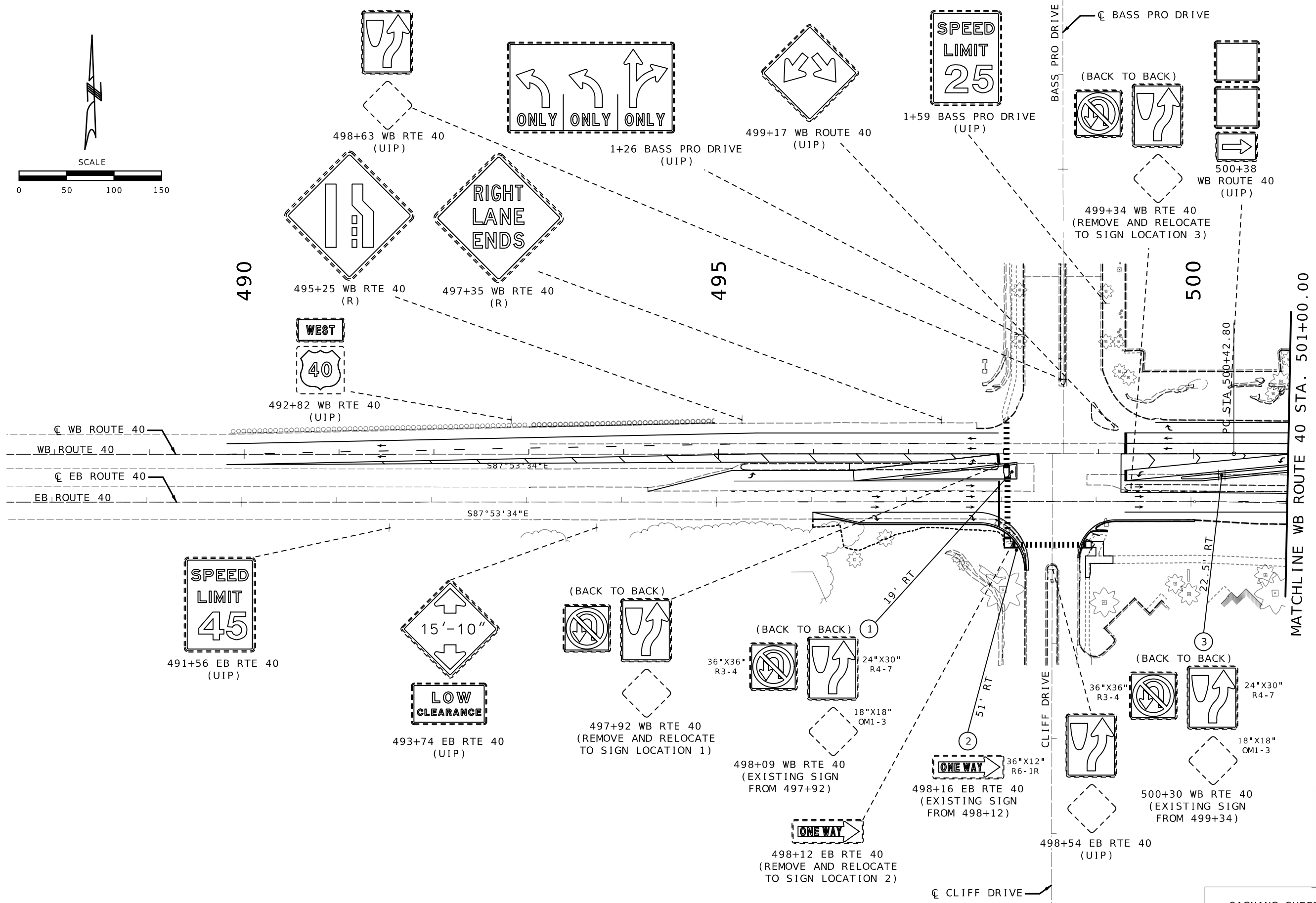
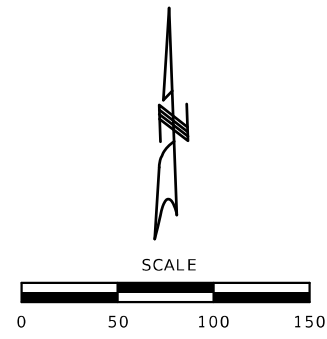


DATE PREPARED	
6/26/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	114
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





SIGNING SHEET
SHEET 1 OF 6



DATE PREPARED 6/7/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 115
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

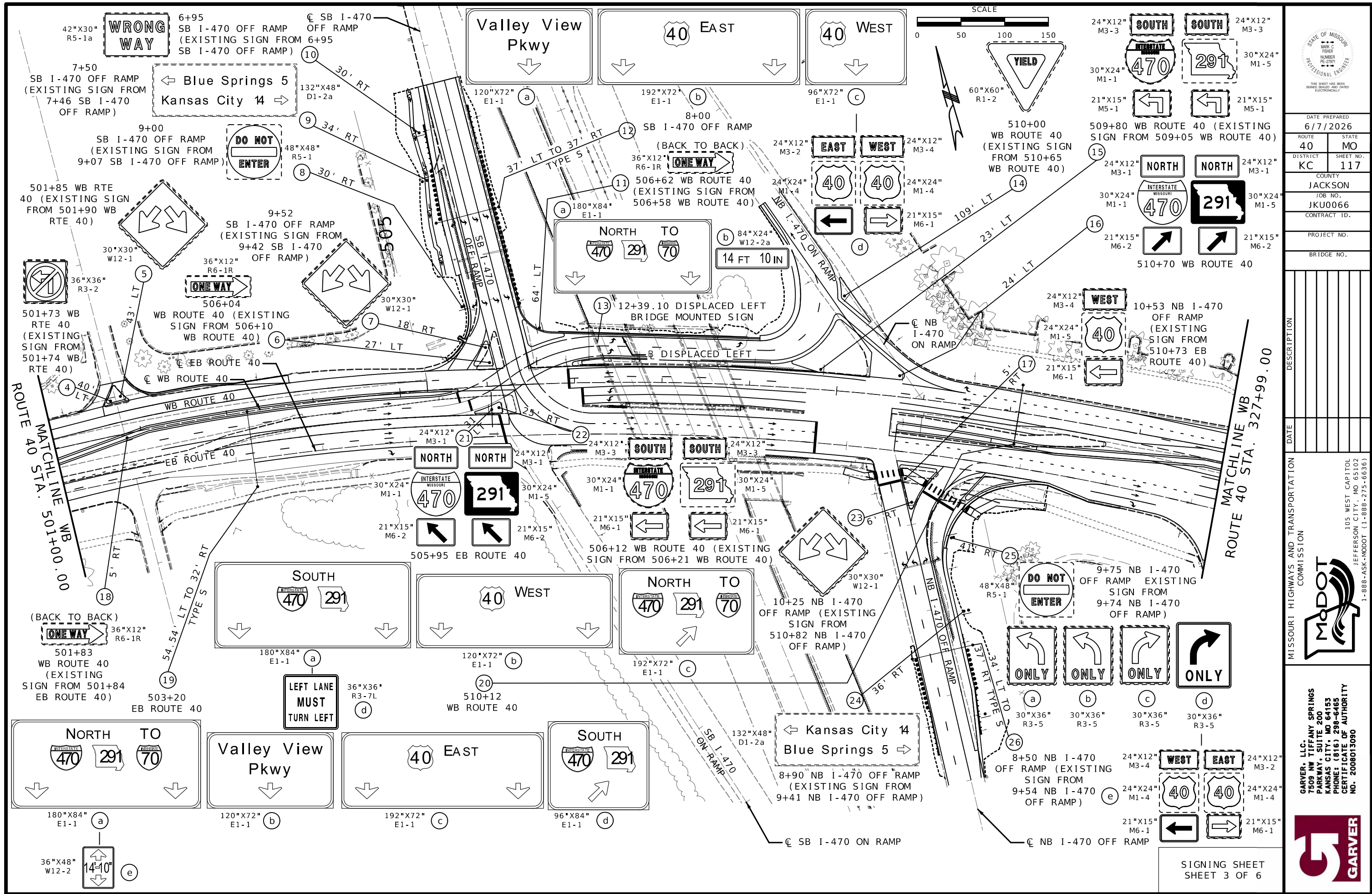
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





STATE OF MISSOURI
MARK C. FISHER
REGISTERED PROFESSIONAL ENGINEER
PE-27971

DATE PREPARED
6/7/2026

ROUTE
40

DISTRICT
KC

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

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

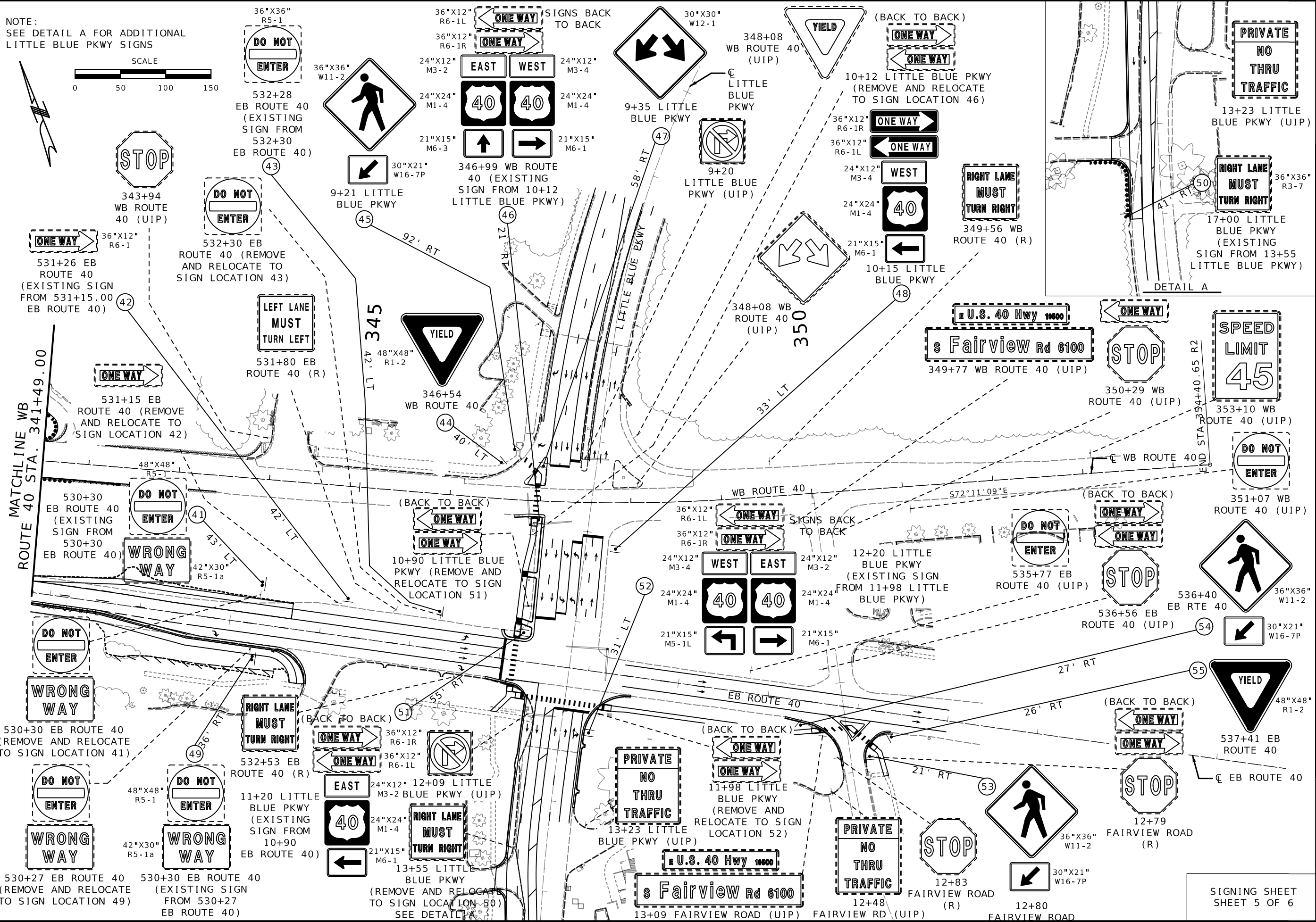
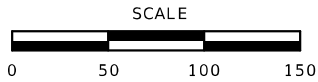
MISSOURI

GARVER, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER

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NOTE:
SEE DETAIL A FOR ADDITIONAL
LITTLE BLUE PKWY SIGNS



STATE OF MISSOURI
MARK C. FISHER
PROFESSIONAL ENGINEER
PE-27971

DATE PREPARED
6/26/2026

ROUTE
40

DISTRICT
KC

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

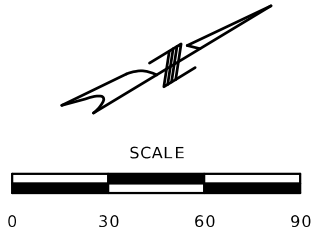
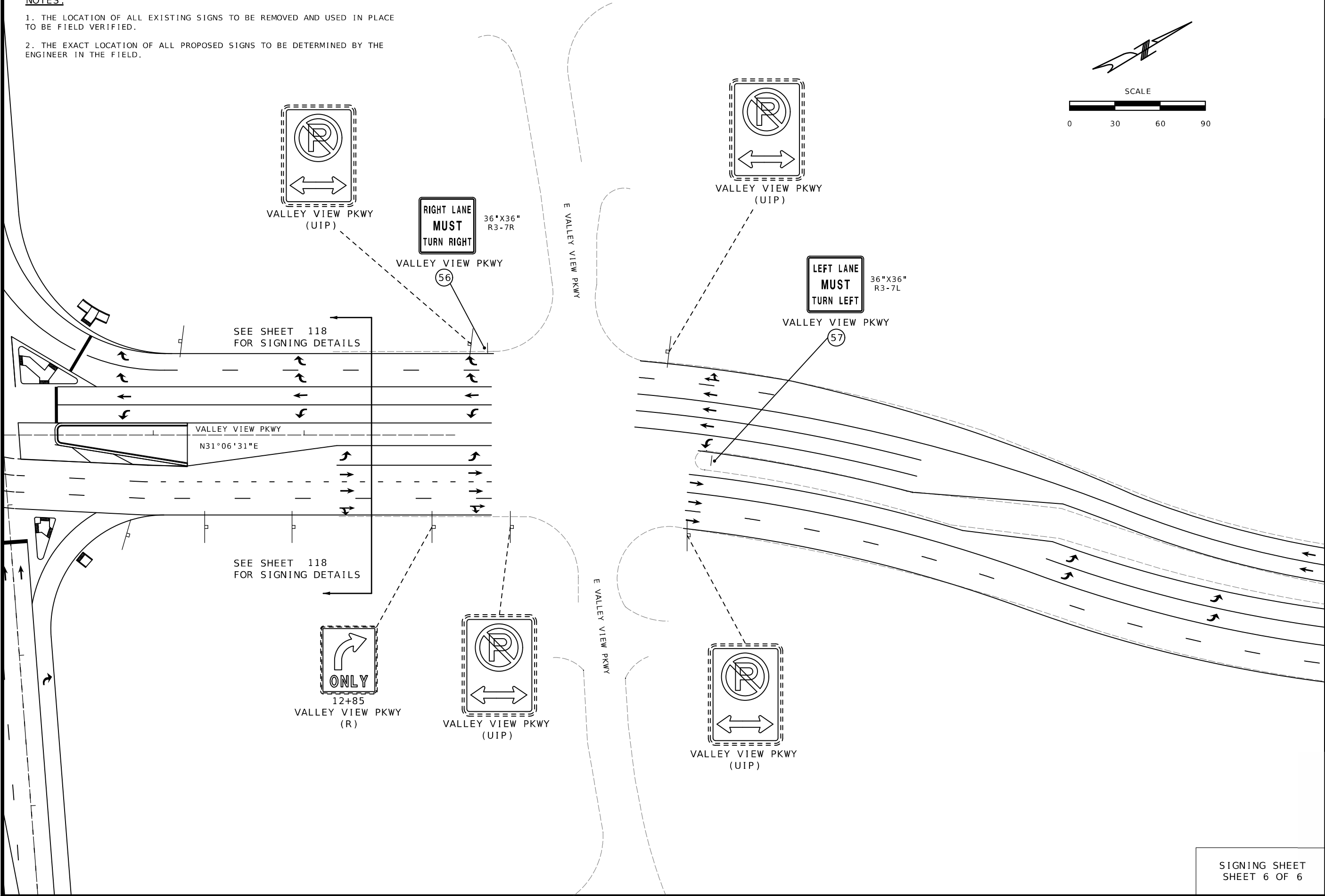
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET
SHEET 5 OF 6

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NOTES:

1. THE LOCATION OF ALL EXISTING SIGNS TO BE REMOVED AND USED IN PLACE TO BE FIELD VERIFIED.
2. THE EXACT LOCATION OF ALL PROPOSED SIGNS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



STATE OF MISSOURI
MARK C. FISHER
REGISTERED PROFESSIONAL ENGINEER
PE-27971
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/8/2026

ROUTE
40

STATE
MO

DISTRICT
KC

SHEET NO.
120

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

SIGNING SHEET
SHEET 6 OF 6

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SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A

CONCRETE FOOTINGS EMBEDDED

(1-BEAM/PIPE)
ITEM NO.
9031010
CY

I-BEAM POSTS*

POST + STUB
DES
NO. 1
NO. 2
NO. 3
PER
LBS
ITEM NO.
9031210

PIPE POSTS*

POST + STUB
DES
NO. 1
NO. 2
NO. 3
PER
LBS
ITEM NO.
9031220

4" SQUARE STEEL POST*

BASE
ITEM NO.
9031005
POST
ITEM NO.
9031230

PERFORATED SQUARE STEEL TUBE**

2" POST
POST
NO. 1
NO. 2
TOTAL
ITEM NO.
9031270A
ANCHORS
ITEM NO.
9031273A
ITEM NO.
9031274

2.5" POST
POST
NO. 1
NO. 2
TOTAL
ITEM NO.
9031280
ANCHORS
ITEM NO.
9031281A
ITEM NO.
9031285

BREAK-AWAY
ASSEMBLY
ITEM NO.
9031241

U-CHANNEL POST

ITEM NO.
9031250A

ALUMINUM BACKING BARS

COUNT
LENGTH
IN.
LF

COLUMN MOUNTING C-CHANNEL

ITEM NO.
9035031

EFFECTIVE: 07-01-2026

REMARKS AND OTHER REQUIRED ITEMS

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SUBTOTAL

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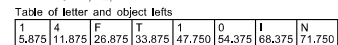
9

10

11

ROUND PIPE POST AND FOOTING DATA TABLE						
NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- ¾"	12"	4-6"	0.13
4	10.79	0.90	5'- ¾"	18"	5-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE													
POST					FOOTING								
POST DES. NO.	NOM. SIZE	WEIGHT		STUB LBS/FT	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.		
1	W6	15.0	0.75	3'-0"	15"	3'-0"	1.14	3'-0"	0.15	3'-0"	0.16	3'-0"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.54	4'-6"	0.57
3	W8	18.0	1.50	4'-0"	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



W12x2 SPECIAL SHIFLAT SHEET FLUORESCENT:
2,250' Radius, 0,875' Border, 0,625' Indent, Black on Yellow,
14". C 40% spasing; 10". C 40% spasing:

Title of letter and object lists

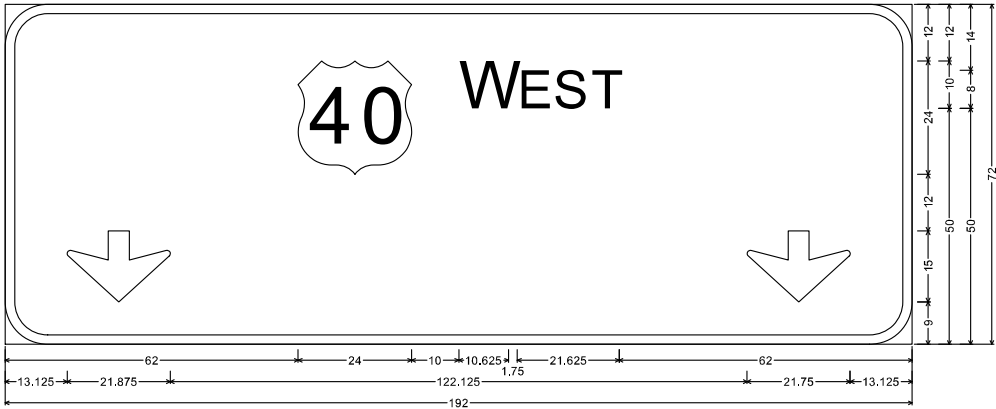
9,125						
1 2,750	4 6,000	V 13,625	H 14,875	I 19,875	D 23,250	V 30,500
9,125						

S	O	U	T	H
27.750	37.500	46.250	54.375	61.875
 13.000	 53.000			
 38.125				

S 75.750	O 85.500	U 94.250	T 102.375	H 109.875
 61.000	 101.000			
 13.125	 157.125			

SIGN NO.	20a
STATION	510+12.00
ROADWAY	WB ROUTE 40

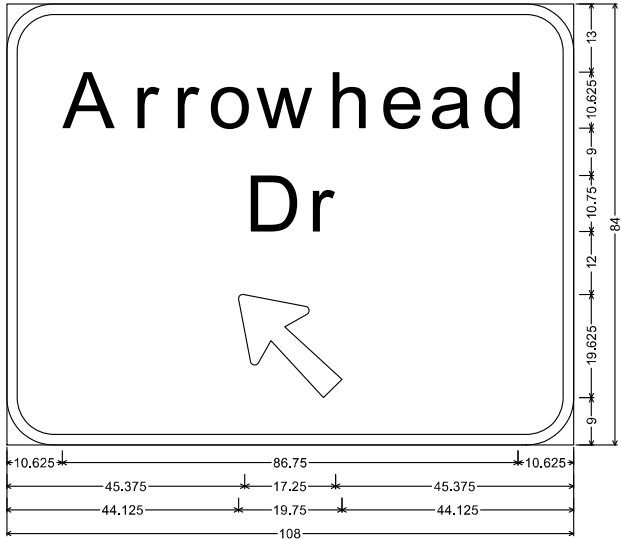




E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"WEST", E Mod; Down Arrow 22,000" 270°; Down Arrow 22,000" 270°;

Table of letter and object lefts					
Object	W	E	S	T	
40	96,000	108,375	116,000	124,000	
↓	13,125	157,125			

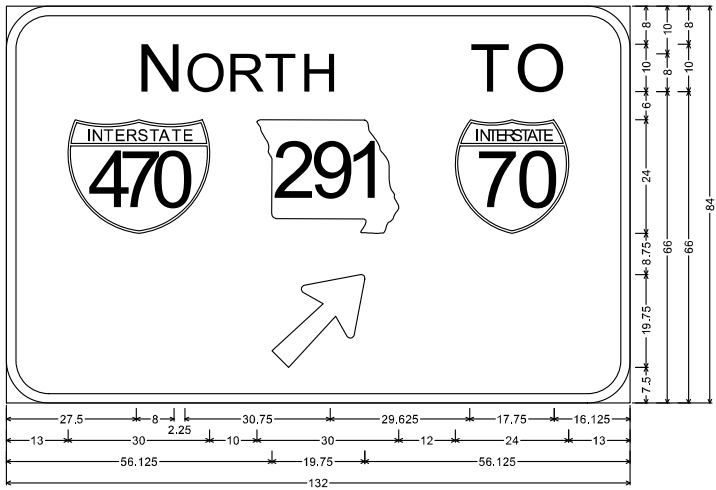
SIGN NO.	20b
STATION	510+12.00
ROADWAY	WB ROUTE 40



E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"Arrowhead", E Mod specified length; "Dr", E Mod specified length;
Arrow 80 - 25,000" 135°;

Table of letter and object lefts									
Object	A	r	r	o	w	h	e	a	d
Arrowhead	10,625	24,000	31,625	38,375	47,625	61,125	71,125	80,500	90,500
Dr	45,375	57,375							
↑	44,125								

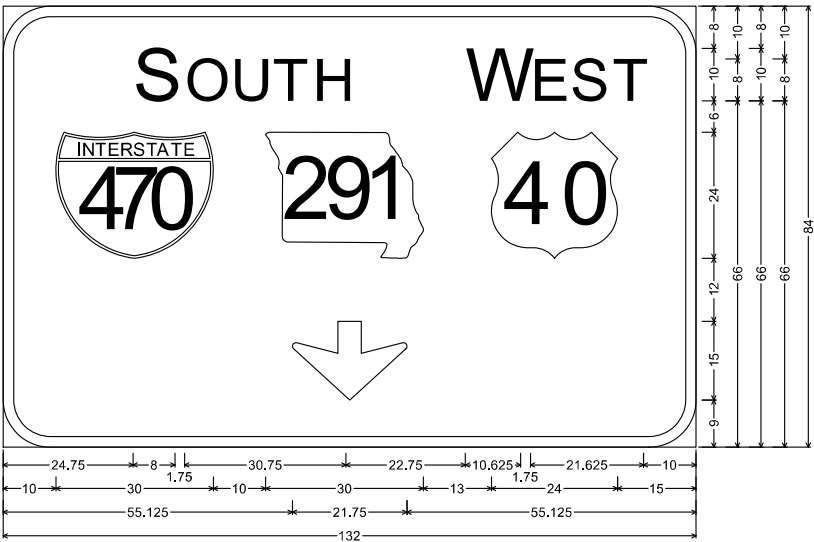
SIGN NO.	31a
STATION	334+48.00
ROADWAY	WB ROUTE 40



E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"NORTH", E Mod; Interstate 470 12,000" B; State Highway 291 1 12,000" B; "TO", E Mod;
Interstate 70 12,000" C; Arrow 80 - 25,000" 45°;

Table of letter and object lefts						
Object	N	O	R	T	H	T
470	27,500	37,750	46,500	54,500	62,125	98,125
291	13,000	53,000	95,000			
↑	56,125					

SIGN NO.	20c
STATION	510+12.00
ROADWAY	WB ROUTE 40



E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"SOUTH", E Mod; Interstate 470 12,000" B; State Highway 291 1 12,000" B; "WEST", E Mod;
Down Arrow 22,000" 270°;

Table of letter and object lefts									
Object	S	O	U	T	H	W	E	S	T
470	24,750	34,500	43,250	51,375	58,875	88,000	100,375	108,000	116,000
291	10,000	50,000	93,000						
↓	55,125								

SIGN NO.	31b
STATION	334+48.00
ROADWAY	WB ROUTE 40



DATE PREPARED
6/8/2026
ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 126
COUNTY JACKSON
JOB NO. JKU0066
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION

DATE

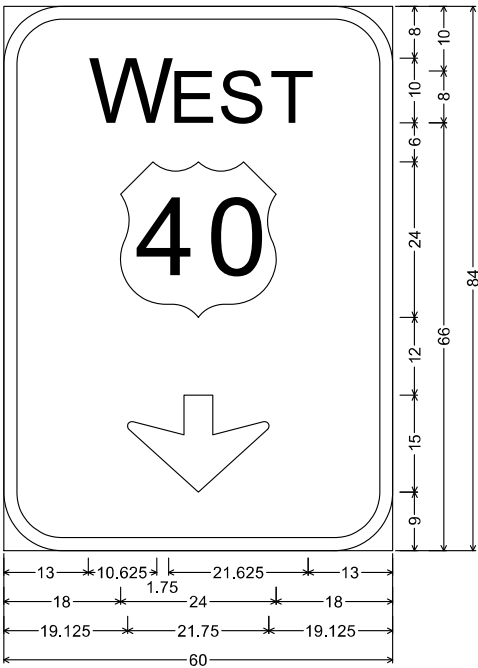
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



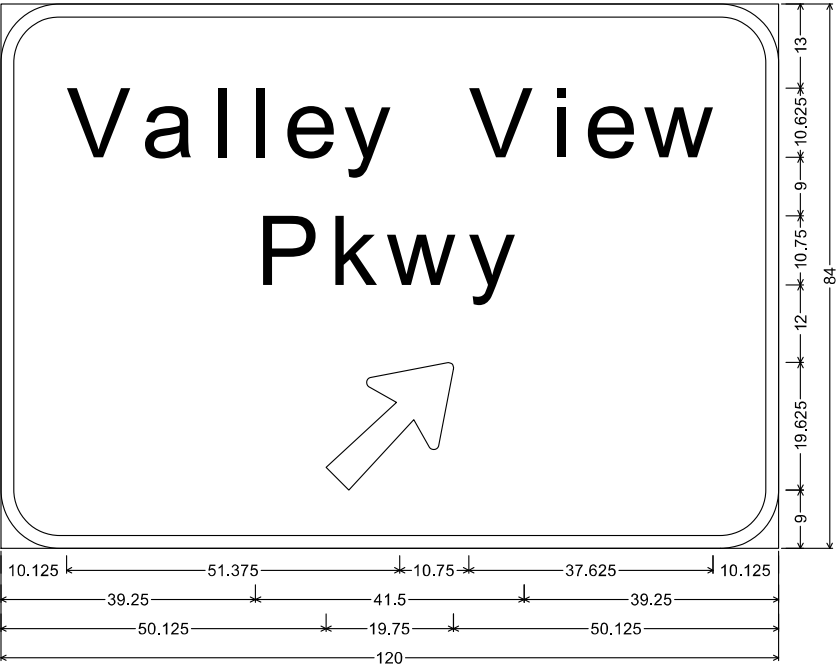
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SIGN NO.	31c
STATION	334+48.00
ROADWAY	WB ROUTE 40

E1-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on Green;
"WEST", E Mod; Down Arrow 22.000" 270°

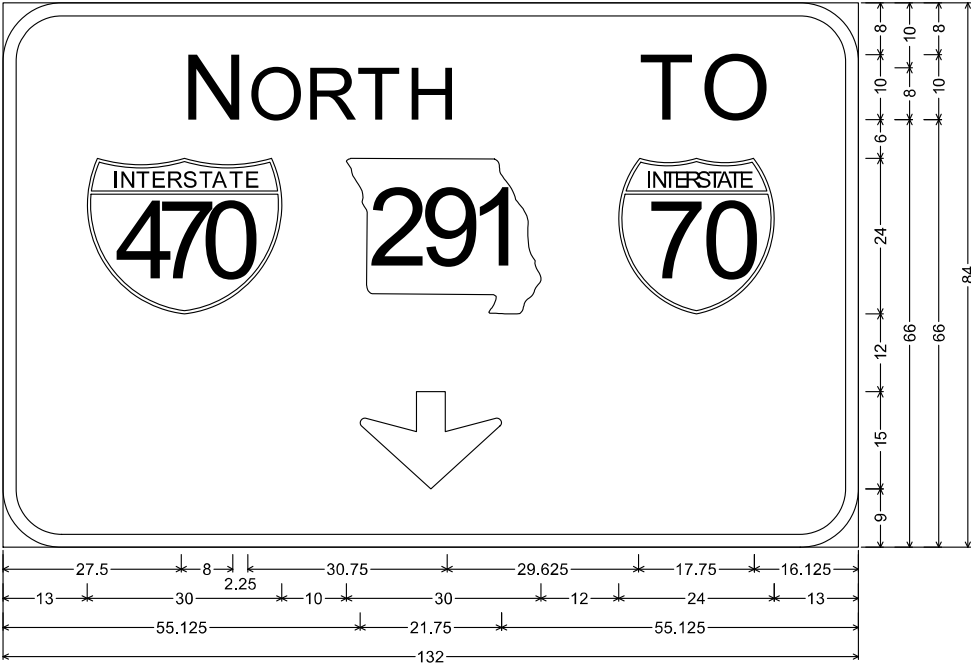
W	E	S	T
13.000	25.375	33.000	41.000
18.000			
19.125			



SIGN NO.	31e
STATION	334+48.00
ROADWAY	WB ROUTE 40

E1-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on Green;
"Valley View", E Mod specified length; "Pkwy", E Mod specified length; Arrow 80 - 25.000" 45°;

V	a	l	l	e	y	V	i	e	w
10.125	21.625	32.500	38.500	43.625	52.750	72.250	84.875	90.000	99.250
P	k	w	y						
39.250	50.625	59.500	72.000						
50.125									



SIGN NO.	31d
STATION	334+48.00
ROADWAY	WB ROUTE 40

E1-1 ST-STRUCTURAL;
9.000" Radius, 2.000" Border, White on Green;
"NORTH", E Mod; Interstate 470 12.000" B; State Highway 291 1 12.000" B; "TO", E Mod;
Interstate 70 12.000" C; Down Arrow 22.000" 270°

N	O	R	T	H	T	O
27.500	37.750	46.500	54.500	62.125	98.125	107.625
13.000	53.000	95.000				
55.125						



DATE PREPARED	6/8/2026
ROUTE	40
STATE	MO
DISTRICT	KC
SHEET NO.	127
COUNTY	JACKSON
JOB NO.	JKU0066
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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 128

PROJECT NO.

MISSOURI HIGHWAYS AND TRANSPORTATION

GARVER, LLC.
77509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



POST NUMBER 2



STANDARD 903.07

TWO TUBE - TYPE C



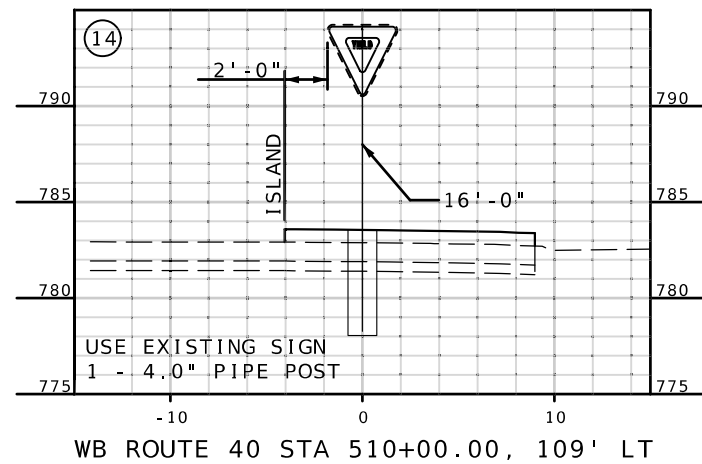
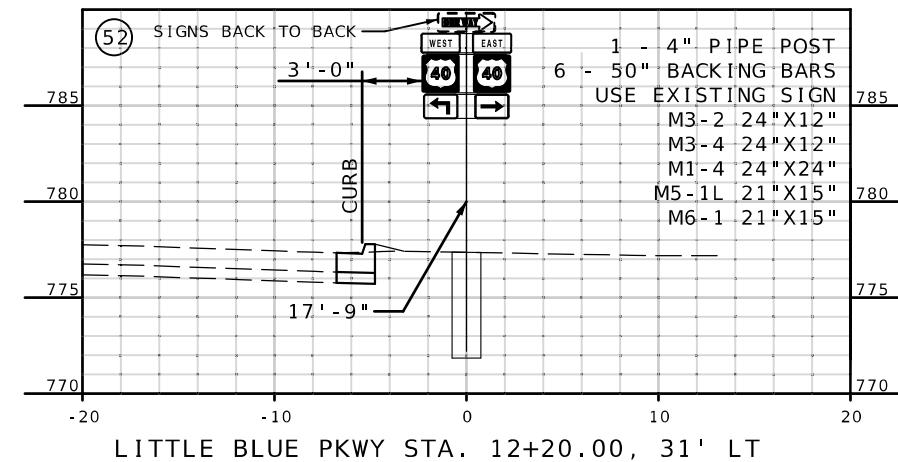
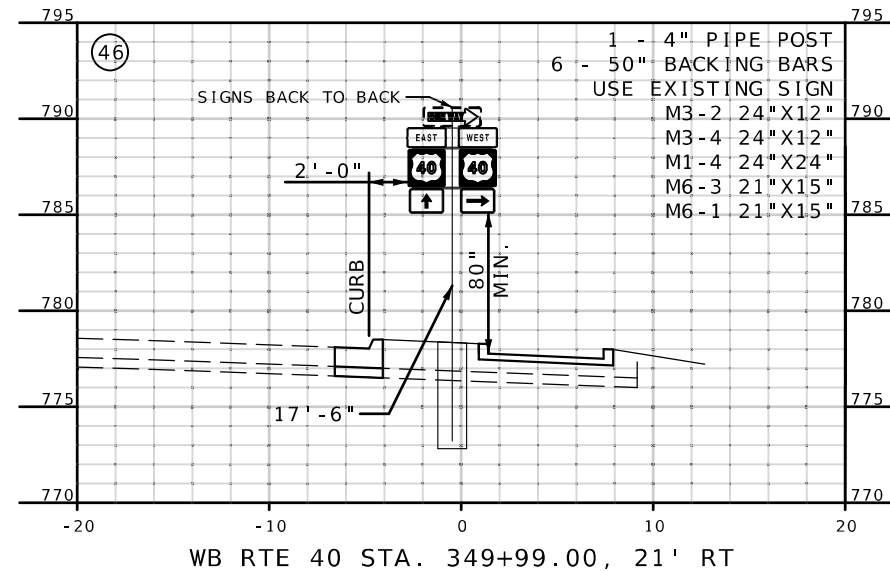
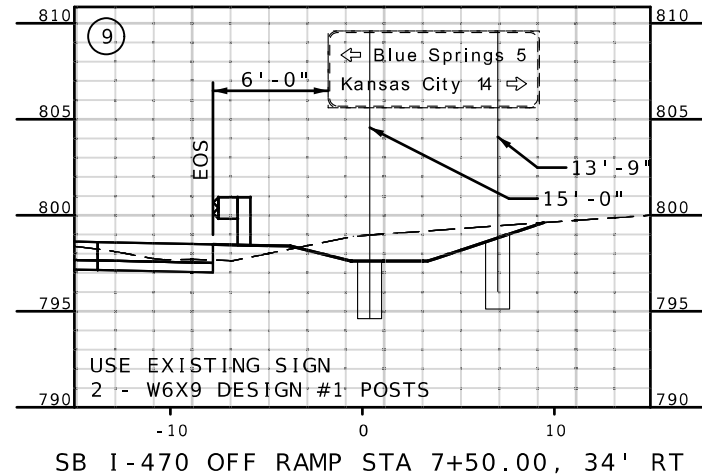
TWO TUBE - TYPE B



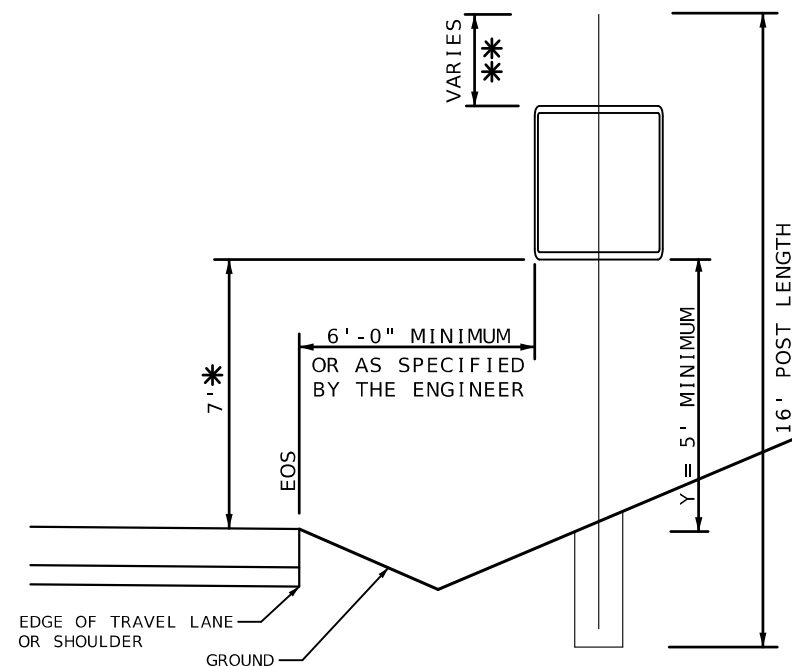
TWO TUBE - TYPE S

* DESIGN DETAILS FOR CONCRETE FOOTING AND PEDASTAL:
REFER TO STD. DWG. FOR OVERHEAD SIGN TRUSSES
DRILLED SHAFT OPTION (ALTERNATE PEDESTALS), 903.12.
PAID FOR AS CLASS B CONCRETE (SUBSTRUCTURE)

[illegible]



MOUNTING HEIGHT DETAIL FOR PSST POSTS

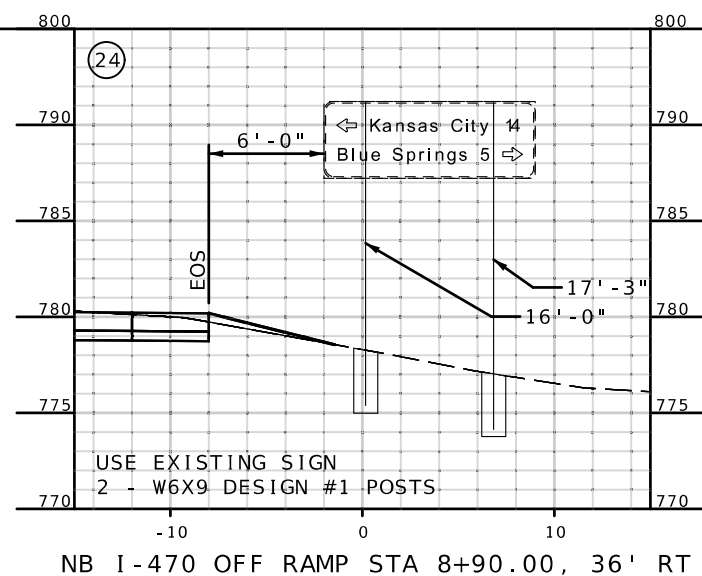


* 7' MINIMUM REQUIRED IN URBAN APPLICATIONS AND PREFERRED IN RURAL APPLICATIONS.

IN RURAL APPLICATION ONLY - IN SITUATIONS WHERE THE 7' MINIMUM CAN NOT BE ATTAINED WITH A 16" PPST, A RANGE OF 5' - 7' CAN BE USED AS LONG AS DISTANCE "Y" IS ALSO MAINTAINED

** POST LENGTHS TO BE SIZED TO LOCATION. PLACE SIGNS AT MINIMUMS AND REMOVE REMAINDER OF POST LENGTH. ONLY USE ENTIRE 16' POST LENGTH WHEN REQUIRED TO MEET MINIMUMS.

NOTE: PERFORATED SQUARE STEEL TUBE (PSST) POST ARE PAID AS 16 LINEAR FEET. CONTRACTOR IS RESPONSIBLE TO PROPERLY PLACE SIGN AS SHOWN ABOVE IN "MOUNTING HEIGHT DETAIL".



DATE PREPARED 6/7/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 129
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

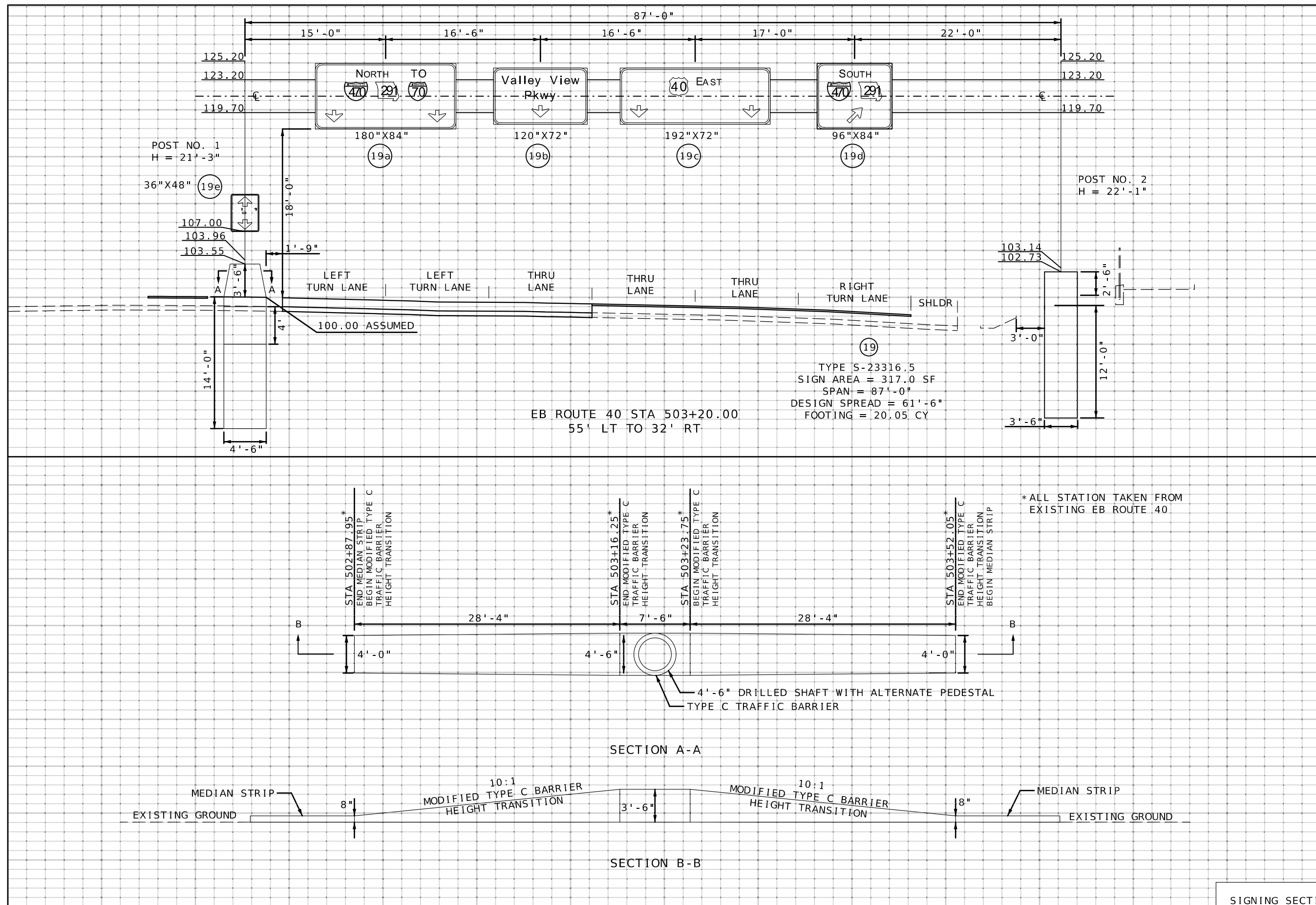
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





SIGNING SECTIONS
SHEET 3 OF 5



DATE PREPARED
6/8/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 131

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

GARVER, LLC.

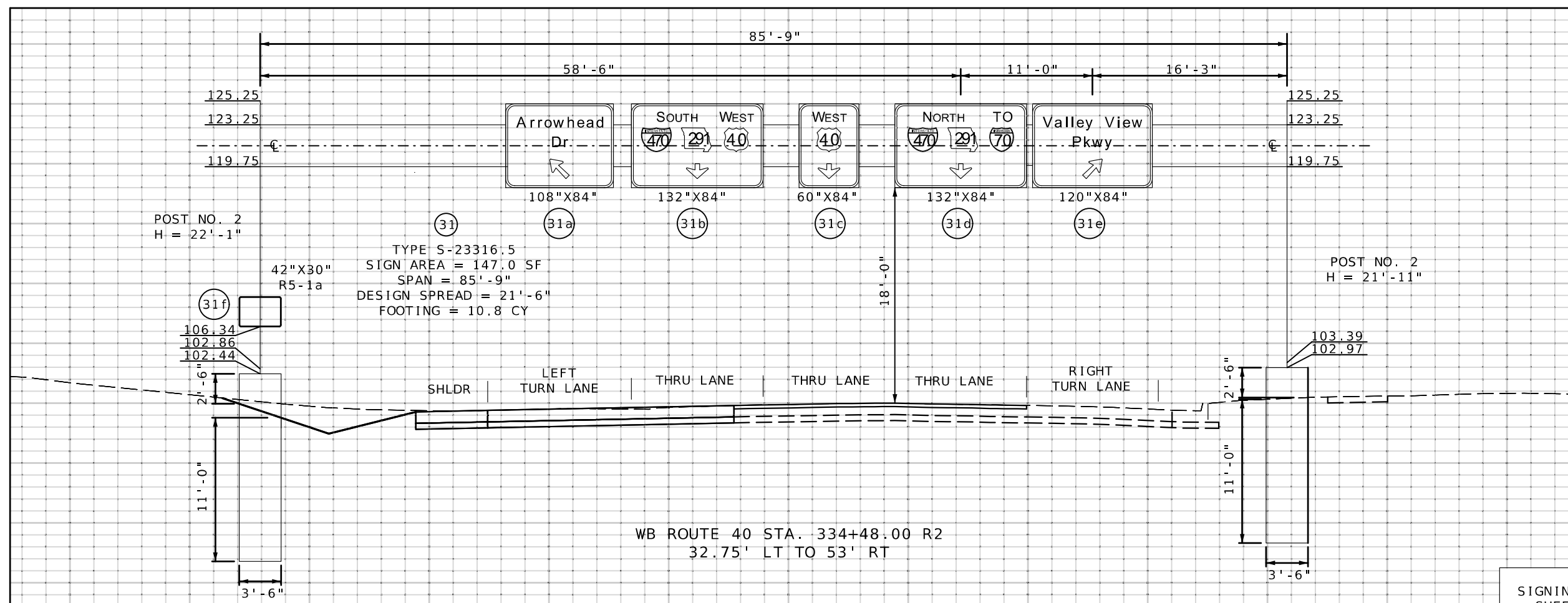
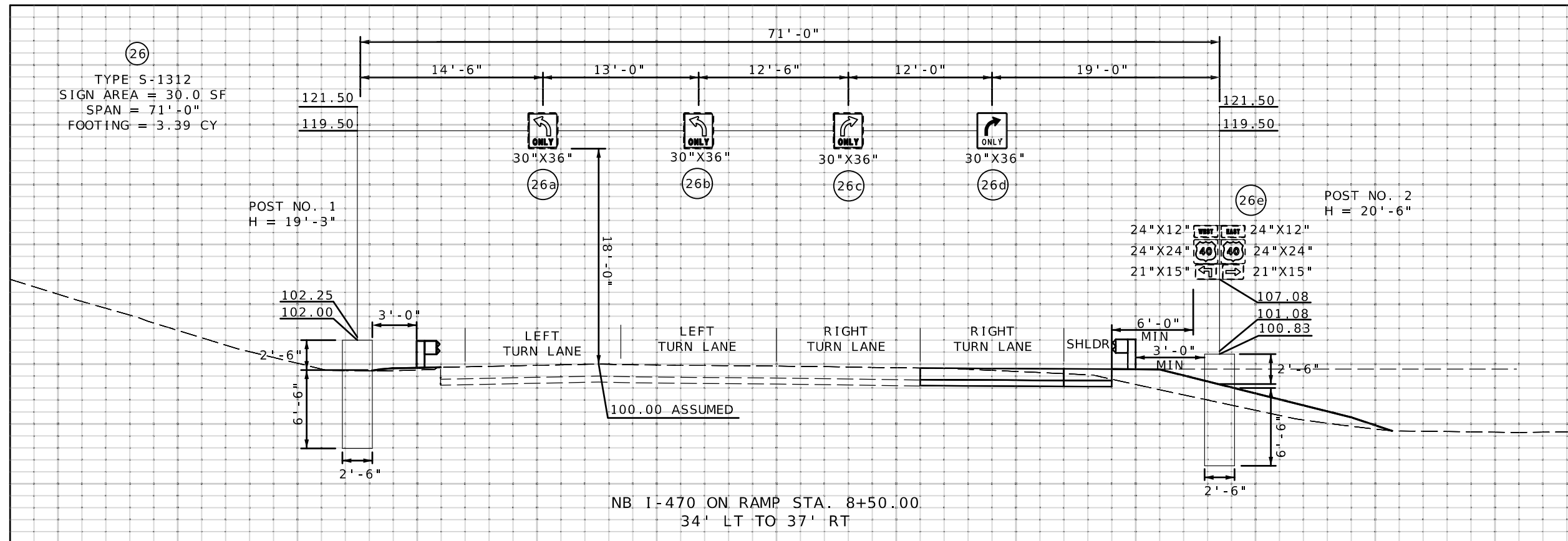
7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200

KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY NO. 2008013090

GARVER



SIGNING SECTIONS
SHEET 5 OF 5



DATE PREPARED
6/8/2026

ROUTE 40 STATE MO

DISTRICT KC SHEET NO. 133

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

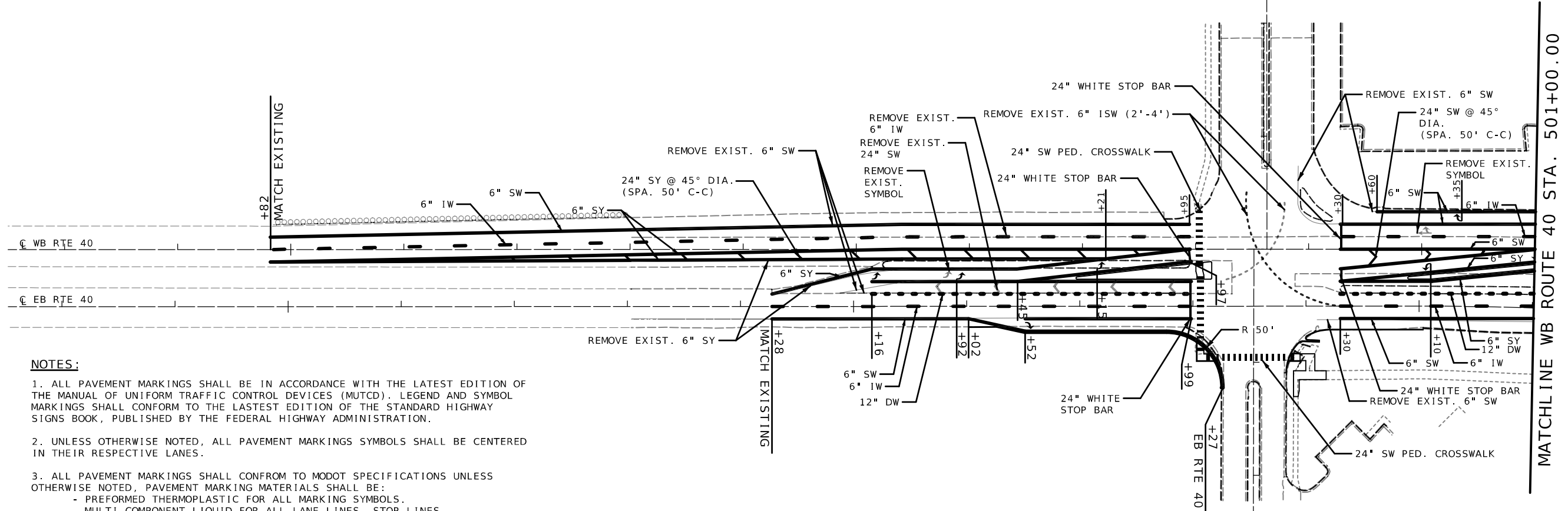
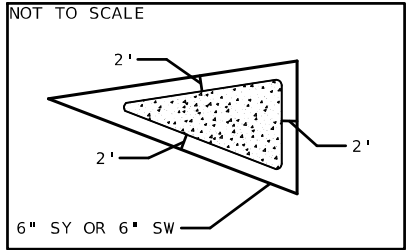
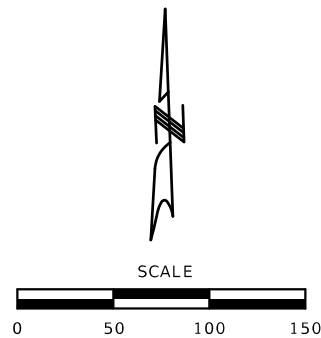
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LEGEND AND SYMBOL MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD HIGHWAY SIGNS BOOK, PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
2. UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKINGS SYMBOLS SHALL BE CENTERED IN THEIR RESPECTIVE LANES.
3. ALL PAVEMENT MARKINGS SHALL CONFROM TO MODOT SPECIFICATIONS UNLESS OTHERWISE NOTED, PAVEMENT MARKING MATERIALS SHALL BE:
 - PREFORMED THERMOPLASTIC FOR ALL MARKING SYMBOLS.
 - MULTI-COMPONENT LIQUID FOR ALL LANE LINES, STOP LINES, DIAGONAL LINES AND CROSSWALK LINES.
4. UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKING STATIONING IS BASED ON THE ALIGNMENT CORRESPONDING TO THE DIRECTION OF TRAFFIC.

PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
6" ISW	6 IN. INTERSECTION WHITE (2' STRIPE, 4' GAP)
12" DW	12 IN. SOLID WHITE LINE (3' STRIPE, 9' GAP)
24" SW	24 IN. SOLID WHITE LINE
24" SY	24 IN. SOLID YELLOW LINE
	RIGHT TURN ARROW
	LEFT TURN ARROW



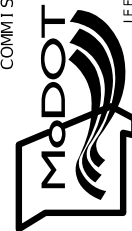
DATE PREPARED 6/26/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 134
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

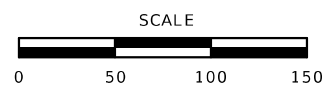
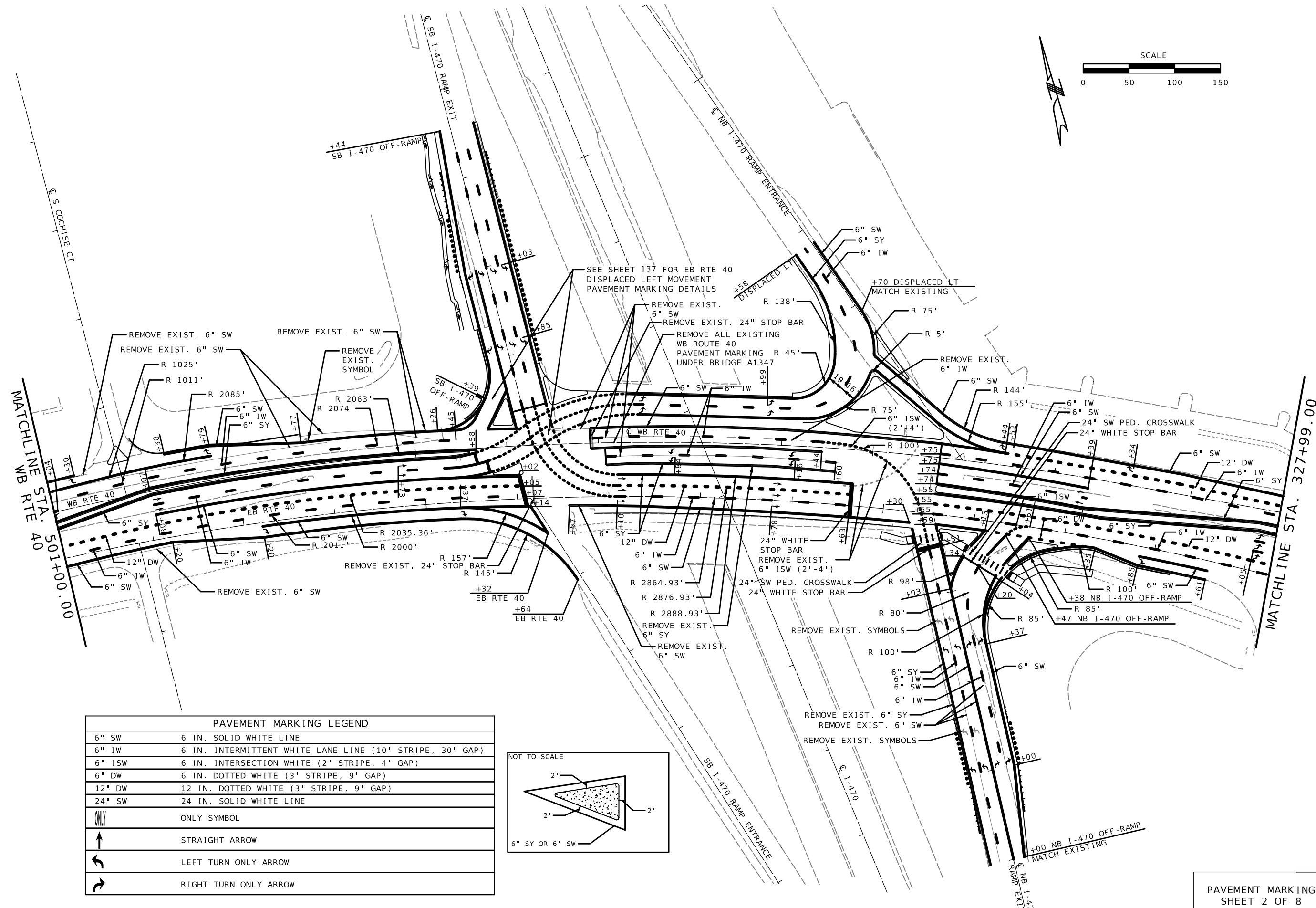
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



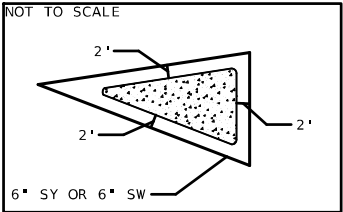
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
6" ISW	6 IN. INTERSECTION WHITE (2' STRIPE, 4' GAP)
6" DW	6 IN. DOTTED WHITE (3' STRIPE, 9' GAP)
12" DW	12 IN. DOTTED WHITE (3' STRIPE, 9' GAP)
24" SW	24 IN. SOLID WHITE LINE
ONLY	ONLY SYMBOL
↑	STRAIGHT ARROW
↩	LEFT TURN ONLY ARROW
↪	RIGHT TURN ONLY ARROW



STATE OF MISSOURI
MARK C. FISHER
NUMBER PE-27971
PROFESSIONAL ENGINEER

DATE PREPARED
6/26/2026

ROUTE
40

DISTRICT
KC

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

DESCRIPTION

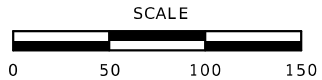
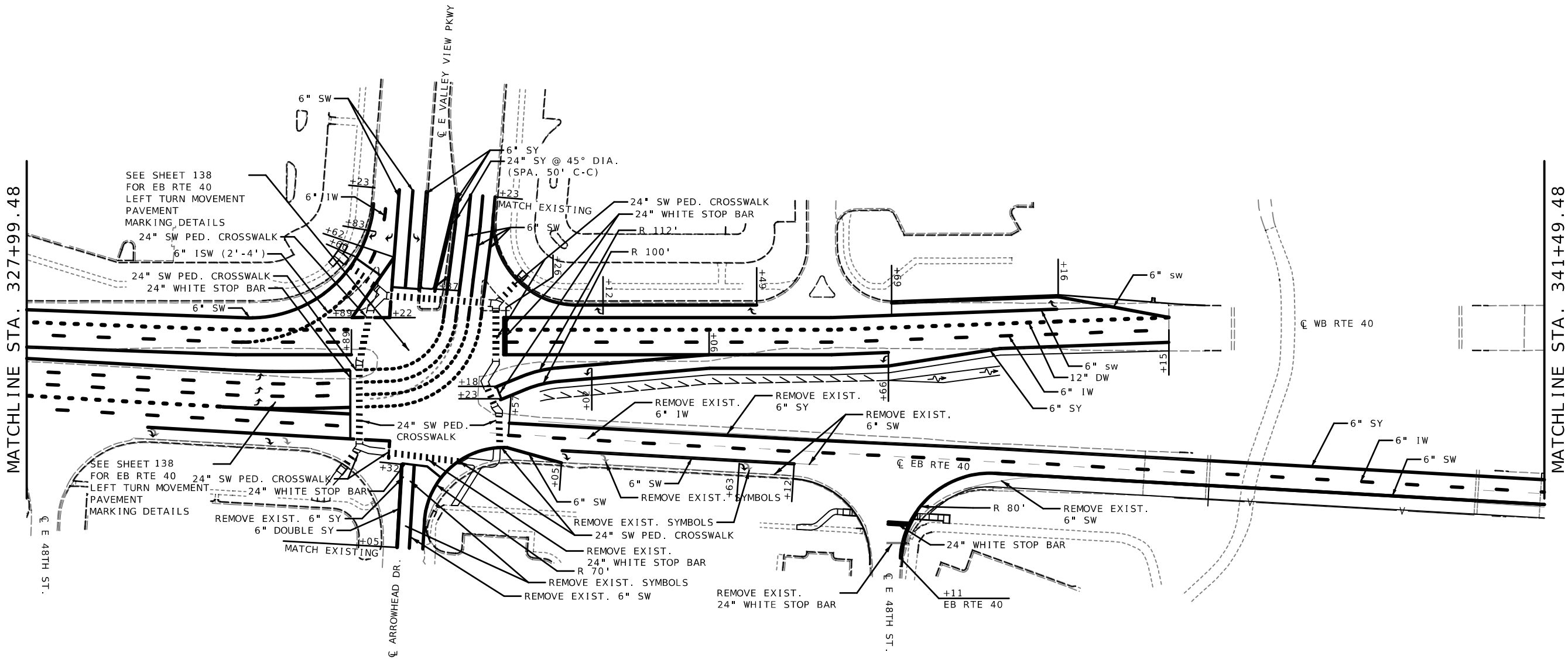
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

PAVEMENT MARKING
SHEET 2 OF 8

c:\projectwise\garver-pw.bentley.com_garver-pw-01\lauren.johnson\d0117796\130_PM_02_JKU0066_150.dgn 11:22:54 AM 6/26/2026



DATE PREPARED 6/26/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 136
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

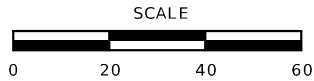
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
6" DW	6 IN. SOLID WHITE LINE (3' STRIPE, 9' GAP)
6" ISW	6 IN. SOLID WHITE INTERSECTION LINE (2' STRIPE, 4' GAP)
12" DW	12 IN. DOTTED WHITE LINE (3' STRIPE, 9' GAP)
24" SW	24 IN. SOLID WHITE LINE
	RIGHT TURN ARROW
	LEFT TURN ARROW



DATE PREPARED

6/26/2026

ROUTE

40

STATE

MO

DISTRICT

KC

SHEET NO.

137

COUNTY

JACKSON

JOB NO.

JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

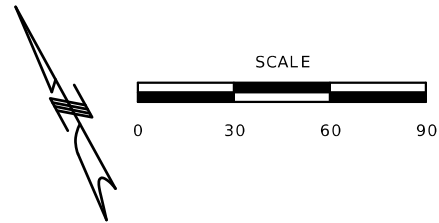


GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

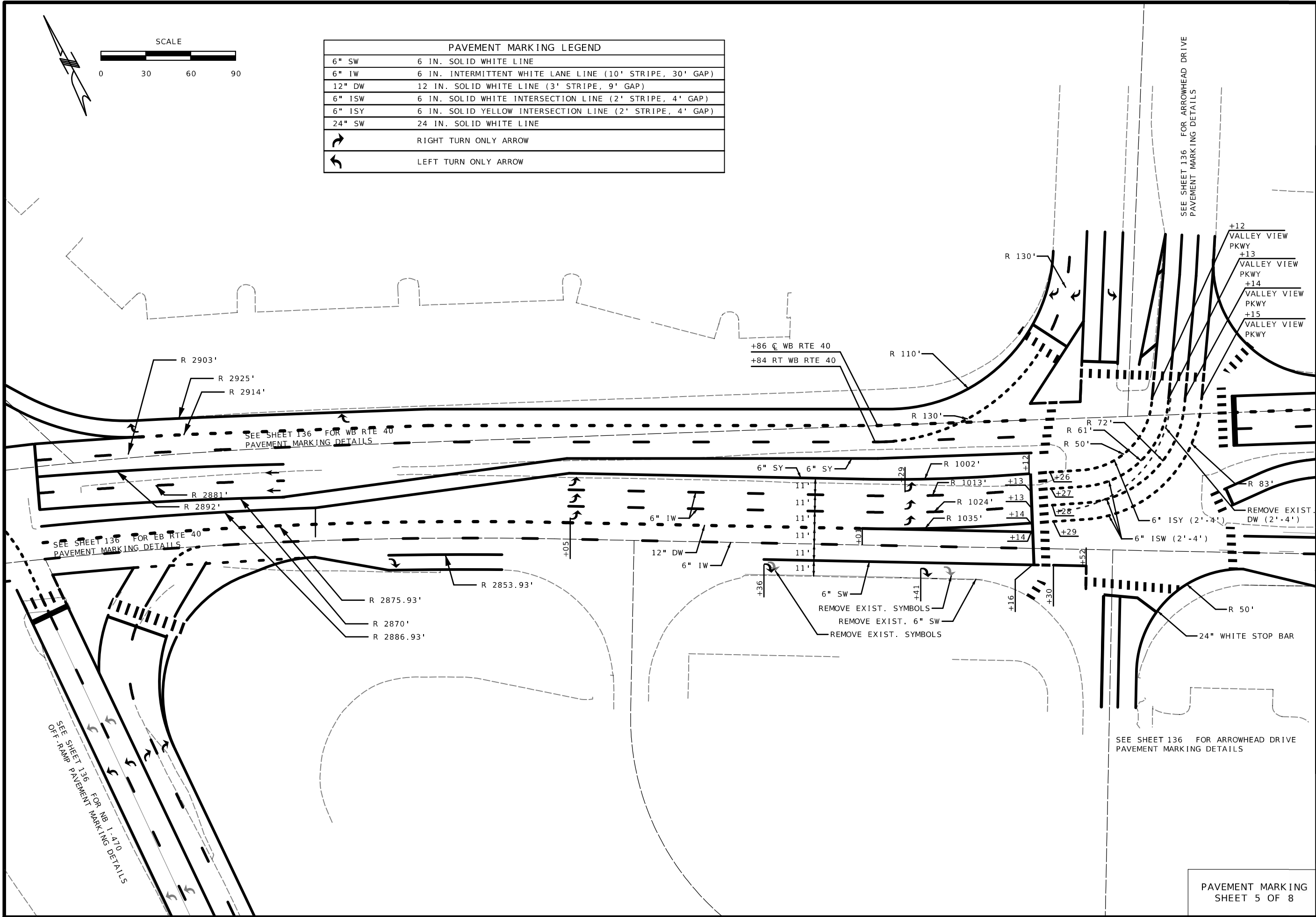


PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
12" DW	6 IN. SOLID WHITE LINE (3' STRIPE, 9' GAP)
6" ISW	6 IN. SOLID WHITE INTERSECTION LINE (2' STRIPE, 4' GAP)
6" ISY	6 IN. SOLID YELLOW INTERSECTION LINE (2' STRIPE, 4' GAP)
24" SW	24 IN. SOLID WHITE LINE
	RIGHT TURN ONLY ARROW
	LEFT TURN ONLY ARROW
	STRAIGHT ARROW

PAVEMENT MARKING
SHEET 4 OF 8



PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
12" DW	12 IN. SOLID WHITE LINE (3' STRIPE, 9' GAP)
6" ISW	6 IN. SOLID WHITE INTERSECTION LINE (2' STRIPE, 4' GAP)
6" ISY	6 IN. SOLID YELLOW INTERSECTION LINE (2' STRIPE, 4' GAP)
24" SW	24 IN. SOLID WHITE LINE
	RIGHT TURN ONLY ARROW
	LEFT TURN ONLY ARROW



STATE OF MISSOURI

MARK C. FISHER

NUMBER PE-2797

PROFESSIONAL ENGINEER

DATE PREPARED
6/26/2026

ROUTE
40

DISTRICT
KC

STATE
MO

SHEET NO.
138

COUNTY
JACKSON

JOB NO.
JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

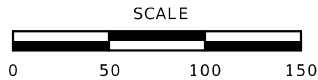
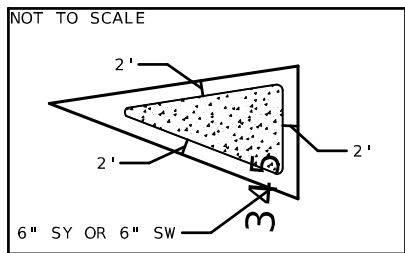
PAVEMENT MARKING
SHEET 5 OF 8

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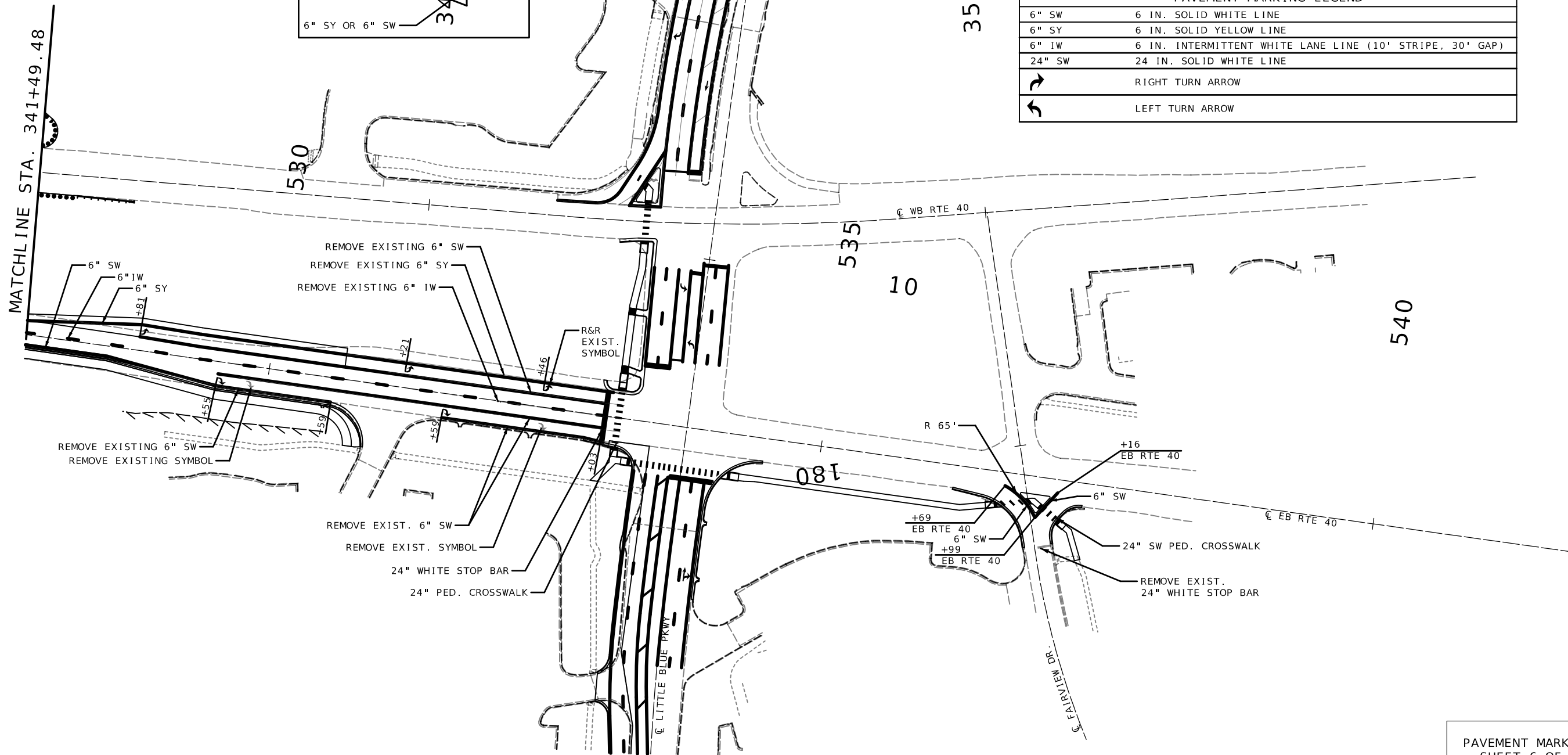
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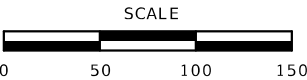
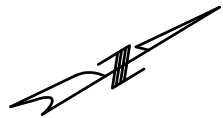
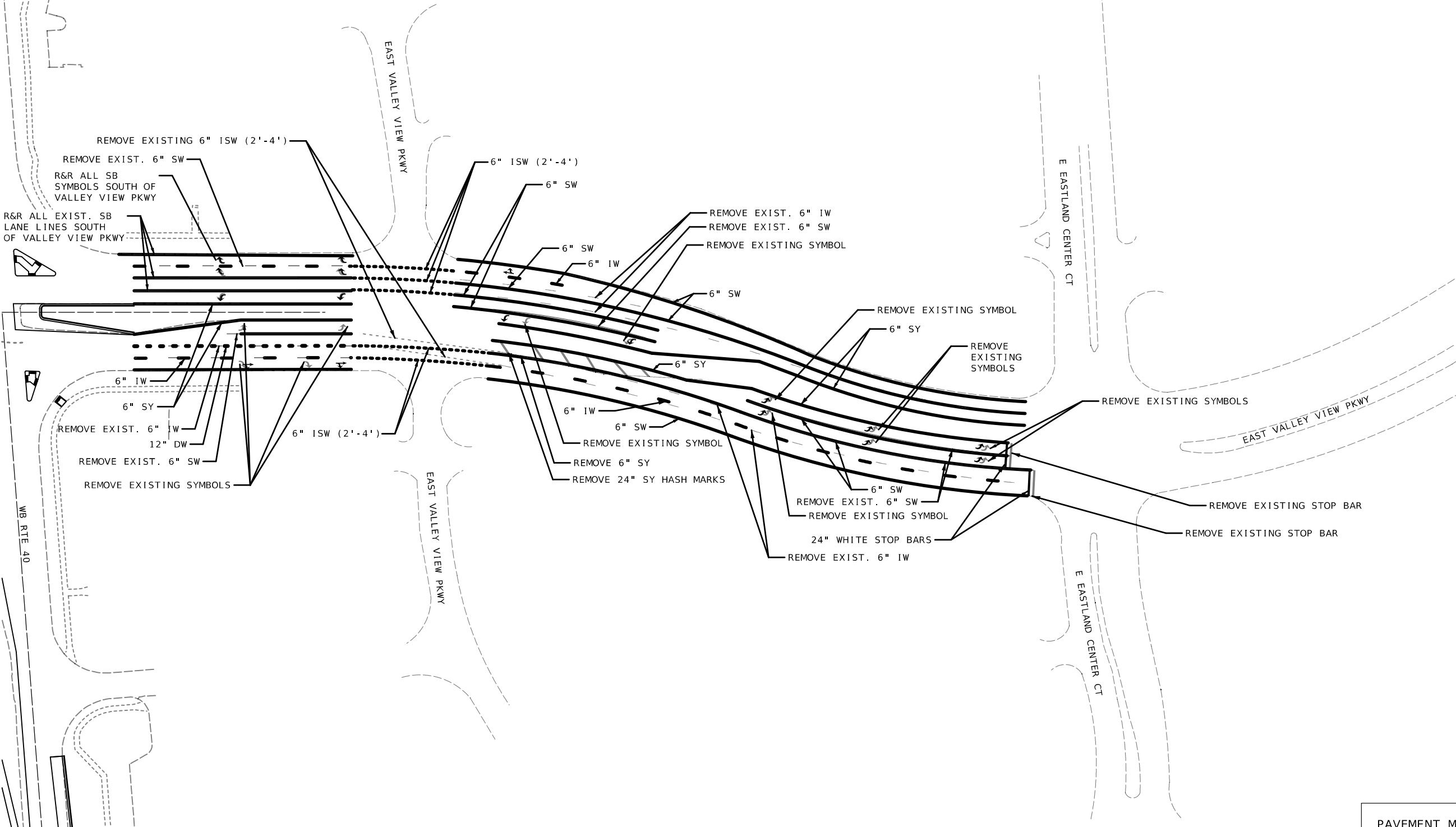
SEE SHEET 6 OF 8 FOR LITTLE BLUE PARKWAY
PAVEMENT MARKING DETAILS



PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" SY	6 IN. SOLID YELLOW LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
24" SW	24 IN. SOLID WHITE LINE
	RIGHT TURN ARROW
	LEFT TURN ARROW



PAVEMENT MARKING LEGEND	
6" SW	6 IN. SOLID WHITE LINE
6" IW	6 IN. INTERMITTENT WHITE LANE LINE (10' STRIPE, 30' GAP)
12" DW	12 IN. SOLID WHITE LINE (3' STRIPE, 9' GAP)
6" ISW	6 IN. SOLID WHITE INTERSECTION LINE (2' STRIPE, 4' GAP)
24" SW	24 IN. SOLID WHITE LINE
	RIGHT TURN ARROW
	LEFT TURN ARROW
	STRAIGHT ARROW



DATE PREPARED 6/26/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 141
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

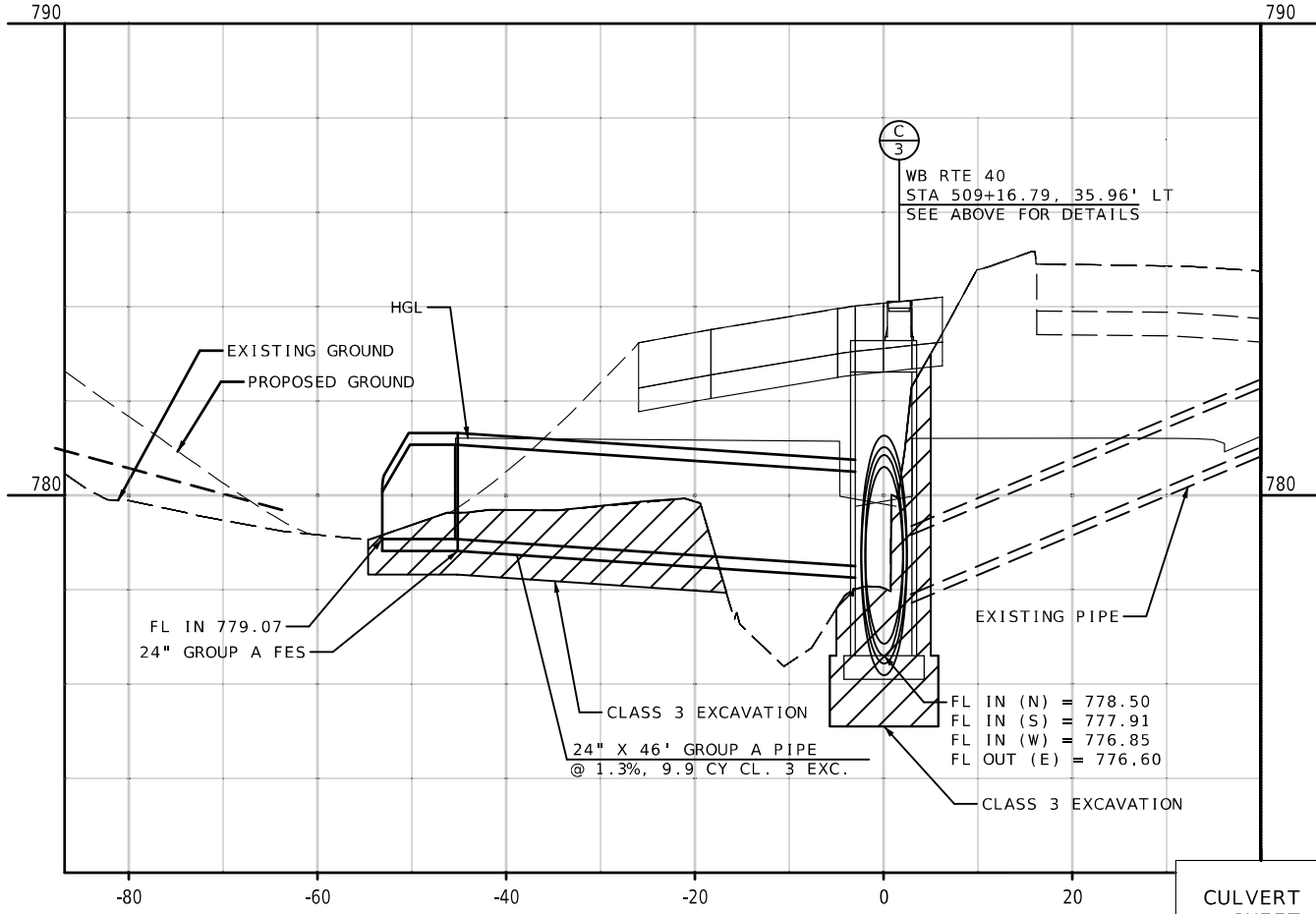
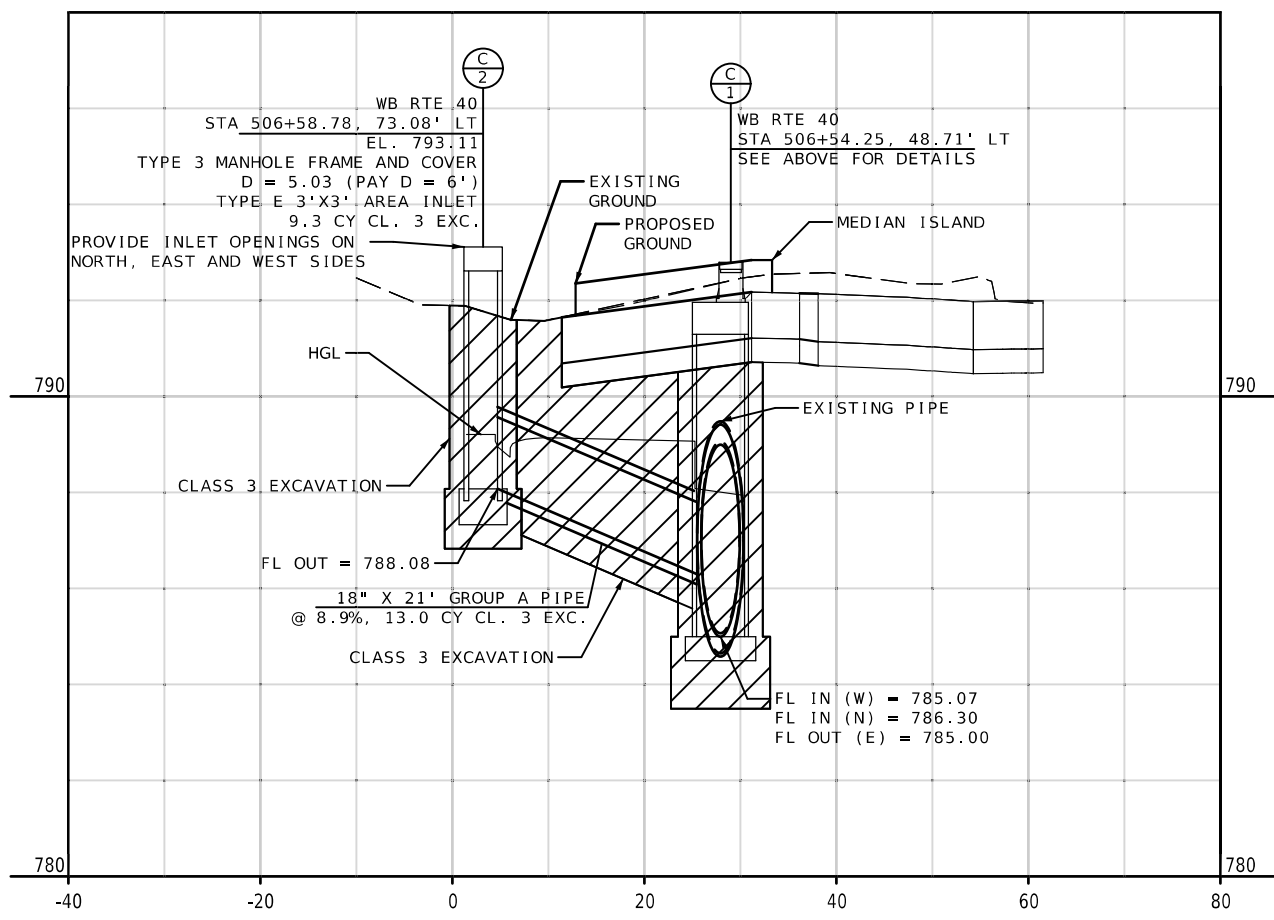
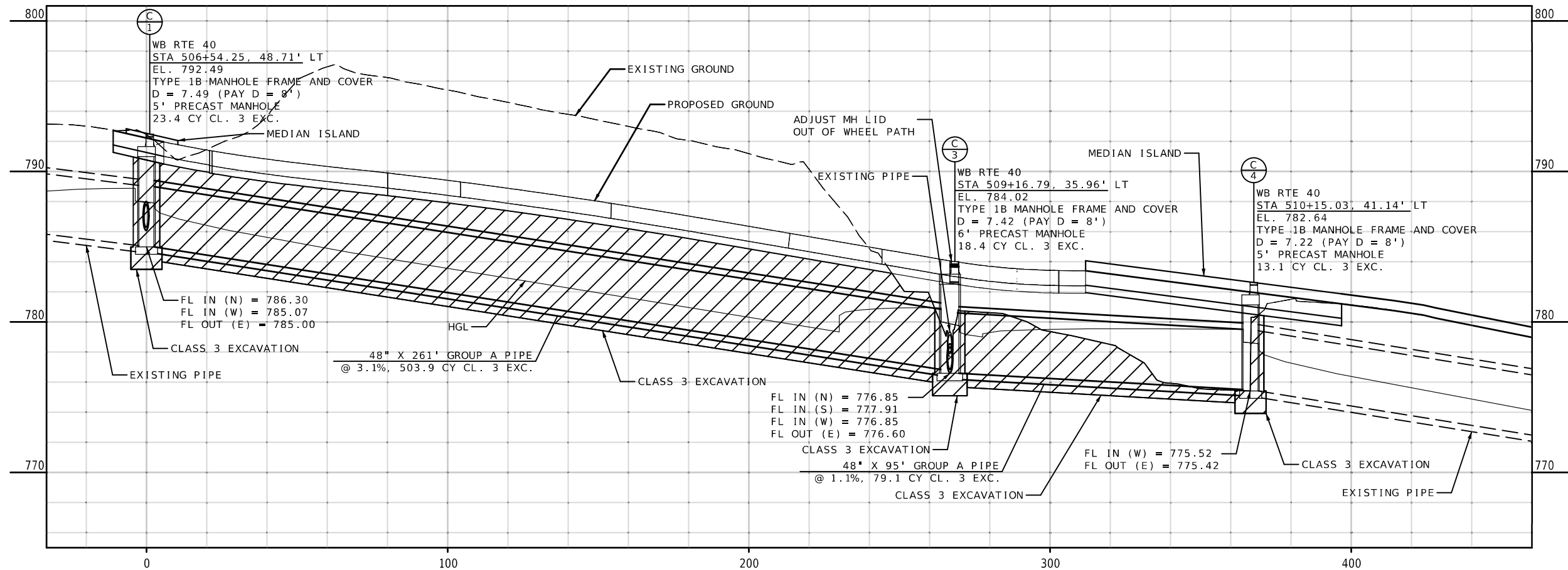
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





CULVERT SECTIONS
SHEET 2 OF 6



DATE PREPARED 6/8/2026	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 144
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

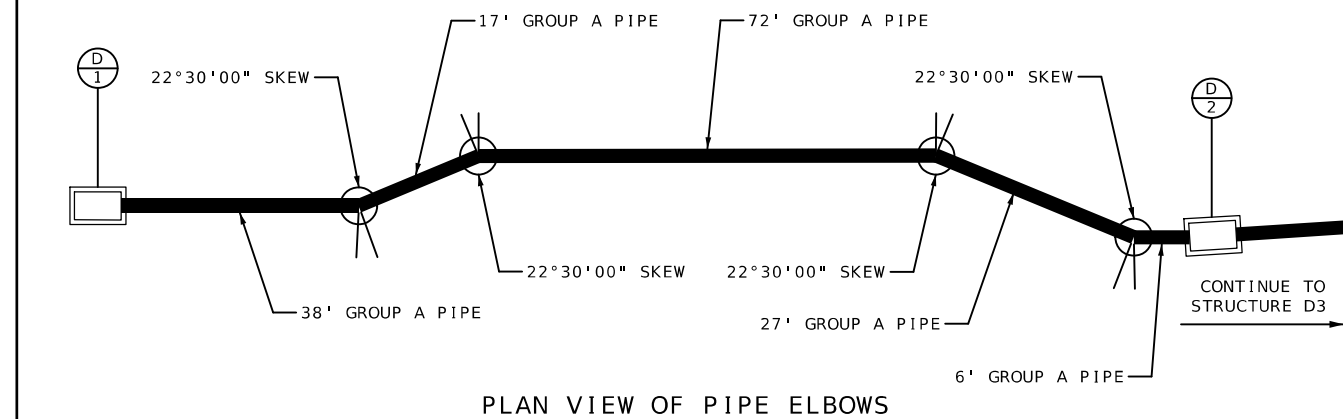
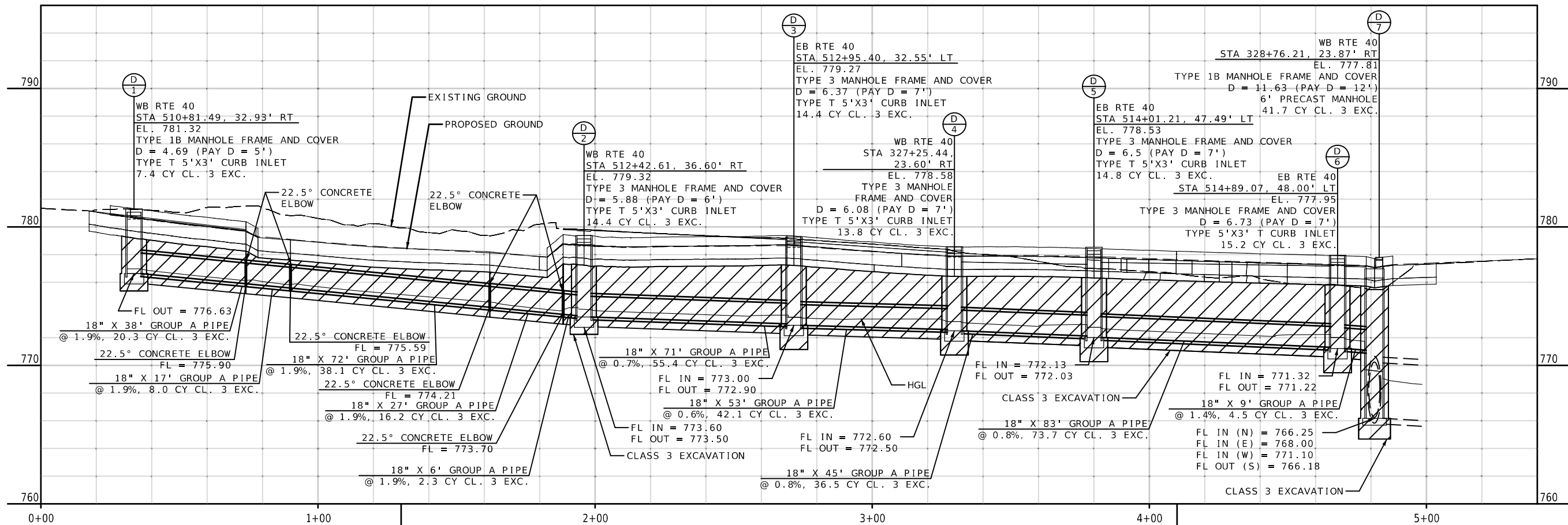
DESCRIPTION	DATE

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COMMISSION

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

GARVER, LLC.
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 KANSAS CITY, MO 64153
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CULVERT SECTIONS
SHEET 3 OF 6



DATE PREPARED
6/8/2026
ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 145
COUNTY JACKSON
JOB NO. JKU0066
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

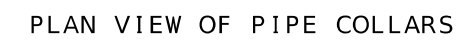
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





General Notes:

Design Specifications:

2020 AASHTO LRFD Bridge Design Specifications (9th Edition)
Seismic Design Category = A
Design earthquake response spectral acceleration coefficient at 1.0 second period, $S_{D1} < 0.15 = 0.11$
Acceleration Coefficient (effective peak ground acceleration coefficient) $< A_5 = 0.11$

Design References:

2015 Geotechnical Engineering Circular No. 7 Soil Nail Walls
Reference Manual, Report No. FHWA-NHI-14-007
SNAIL User Guide, CALTRANS, March 2020

Design Loading:

Earth = 120 lb/cf
Equivalent Fluid Pressure = 45 lb/cf
Live Load Surcharge = 250 lb/sf

Design Soil Parameters:

		Effective Angle of Internal Friction (degrees)	Effective Cohesion (psf)	Nominal Bond Stress (psi)
Elev. (ft.)	Stratigraphy			
Above 780	Fill - Lean to Fat Clay	28	50	9
780-760.5	Fill/Native Lean to Fat Clay	28	50	5

Design Unit Stresses:

Shotcrete (ASTM C109) f'c = 3,000 psi
Class B Concrete f'c = 3,000 psi
Soil Nail Grout (ASTM C109) f'c = 3,000 psi
Reinforcing Steel (ASTM A615 Grade 60) fy = 60,000 psi
Soil Nail Bar (Grade 60) fy = 60,000 psi
Bearing Plate (ASTM A709 Grade 36) fy = 36,000 psi
Welded Wire Reinforcement (ASTM A1064 Grade 65) fy = 65,000 psi

Reinforcing Steel:

All bar reinforcement shall be epoxy coated. All welded wire reinforcement shall be either epoxy coated or galvanized.

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

Excavation:

Excavation quantities and pay items are given on the roadway plans.

Excavation near the wall face requires special care and effort compared to general excavation. The contractor is responsible for maintaining stable slopes above and below the soil nail wall.

No general excavation open cuts steeper than 1:1 shall be made within 15 feet in front of the soil nail wall.

Miscellaneous:

Contractor shall verify the dimensions of the existing bridge foundations prior to fabrication and installation of the soil nails.

The contractor shall be solely responsible to coordinate the construction of the wall with the roadway construction and ensure that the roadway construction, resulting or existing obstructions, shall not impact the performance of the soil nail wall.

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

All nail head elements shall be galvanized.

Soil nail bars shall be epoxy coated.

Nuts shall be in accordance with ASTM A563, Grade B, hexagonal, and fitted with beveled washer or spherical seat to provide uniform bearing.

Soil nails may be continuously threaded bars or reinforcing bars with cut threads. If reinforcing bars with cut threads are used, the next larger bar size above that shown shall be provided at no additional cost.

Soil nail bar lengths indicated in the plans are drilled (bond) lengths. Actual total nail bar lengths are greater than the drilled length.

Concrete and masonry protective coating shall be applied on all exposed concrete areas in accordance with Sec 711.

Sacrificial graffiti protective coating shall be applied on all exposed concrete areas in accordance with Sec 711.

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

Soil Nail Installation:

Soil nail holes shall be drilled without loss of ground and without endangering previously installed soil nails. This may involve casing the holes or other methods of protection from caving. The contractor shall select the drilling and grouting methods necessary to meet these requirements.

At the contractor's option, nails may be drilled and installed through a temporary stabilizing berm.

Following the drilling, the bar shall be placed into the hole and grouted from the bottom of the hole to the surface in one continuous operation. Centralizers shall be installed at no more than 8 foot intervals and within 18 inches of each end of the nail. Continuously agitate grout and deliver grout to holes free from lumps and undispersed cement. Control pressure to prevent soil heaves.

A systematic program of observation shall be conducted by the contractor during construction to determine the affect of construction on adjacent nails to protect them from damage. Communication between holes as evidenced by grout eruptions will not be allowed and will require modification of the drilling method.

Observation shall be conducted by the contractor to document depths of installation and angle of installation of all soil nails. Test reports and installation logs shall be provided to the engineer.

Construction Sequence:

Wall shall be built in horizontal top down sequence.

The following wall construction sequence for each excavation lift shall be completed prior to initiating work on the next excavation lift unless otherwise approved by the engineer:

1. Verify the location of the existing bridge end bents.
2. Install pre-production verification test nails at locations shown on Sheet No. 3.
3. Excavate to rough grade.
4. Trim to final wall face excavation line or to stabilizing berm (if used).
5. Drill, install, and grout nails. Trim stabilization berm (if used) to final wall face excavation line.
6. Install geocomposite drain strip and weep holes.
7. Place reinforcement and apply initial shotcrete facing.
8. Perform nail pullout tests after shotcrete and nail grout have attained their specified strengths.

Construct the final wall facing and gutter following completion of the full height of the initial shotcrete facing.

Inspection and Monitoring:

Verification testing shall be performed on sacrificial nails prior to production nail installation and in accordance with the Job Special Provisions. Verification tests shall be performed at locations, nail lengths, and verification test loads indicated in the plans.

Proof testing shall be performed on a minimum of 5 percent of the production soil nails in accordance with the Job Special Provisions. Proof tests shall be performed at the frequency and loads indicated in the plans.

Creep shall be monitored at the load increments specified in the proof and verification test loading schedules. Nail movement shall be measured and recorded in accordance with the proof and verification test loading and schedules and their respective notes. Maintain load increments during the verification nail creep test within two percent of the intended load. Maintain all other load increments within five percent of the intended load.

All nail testing shall occur after the grout has set for 3 days.

The contractor shall provide jack and pressure gauge calibration within one year and the calibration curve shall be available to testing personnel. Contractor to provide field personnel, chair, bar extensions, gauges and other miscellaneous testing items. Test results shall be submitted to the engineer for review.

The contractor shall document with photographs the condition of adjacent existing structures, pavement, and utilities prior to beginning soil nail wall construction. Photographs shall be submitted to the engineer prior to beginning work.

Monitoring of ground settlement and soil nail wall movement shall be surveyed by the contractor. Should excessive or sudden increase in ground settlement or soil nail wall movement be detected, the contractor shall immediately notify the engineer.

The soil nails have been designed for native clay and previously placed fill. Observation shall be made during construction to ensure that the nails are embedded in the assumed material. If materials are found to be different than assumed in the deisgn, the engineer shall be notified, and nail lengths and placement may be revised prior to continued nail installation.

Estimated Quantities

Item		Total
Soil Nail Wall System	sq. foot	3331
Concrete and Masonry Protection System	lump sum	1
Sacrificial Graffiti Protection System	lump sum	1

Estimated Quantities for Soil Nail Wall System *

Item		Total
Initial Shotcrete Facing	sq. foot	3001
Soil Nail Bars	each	169
Final Concrete Facing	cu. yard	84.6
Reinforcing Steel (Epoxy Coated)	pound	8090
Strip Drain	linear foot	650
Proof Test	each	10
Verification Test	each	2

* For information only. Items in this table will be considered completely covered by the contract unit price for Soil Nail Wall System.

Verification Test Load Summary

Frequency	Unbonded Length (ft)	Bonded Length (ft)	Verification Test Load (kips)
(1)	3	10	28

Verification Test Loading Schedule

Load	Hold Time (Minutes) (3)
AL (2)	1
0.13*VTL	10 (Record Soil Nail Movement at 1,2,5,10)
0.25*VTL	10 (Record Soil Nail Movement at 1,2,5,10)
0.38*VTL	10 (Record Soil Nail Movement at 1,2,5,10)
0.50*VTL	10 (Record Soil Nail Movement at 1,2,5,10)
0.63*VTL	10 (Record Soil Nail Movement at 1,2,5,10)
0.75*VTL (Creep Test)	60 (Record Soil Nail Movement at 1,2,5,10,20,30,50,60)
0.88*VTL	10
1.00*VTL	10
AL (2)	1 (4)

Proof Test Load Summary

Frequency	Minimum Unbonded Length (ft) (6)	Bonded Length (ft)	Proof Test Load (kips)
(5)	3	10	21

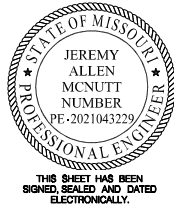
Proof Test Load Schedule

Load	Hold Time (Minutes) (9)
AL (7)	1
0.17*PTL	Unit movement stabilizes
0.33*PTL	Unit movement stabilizes
0.50*PTL	Unit movement stabilizes
0.67*PTL	Unit movement stabilizes
0.83*PTL	Unit movement stabilizes
1.00*PTL (Creep Test)(8)	10 (Record Soil Nail Movement at 1,2,5,10)
AL (7)	1

AL = Alignment Load
VTL = Verification Test Load
PTL = Proof Test Load

- (1) Locations shown on Elevation Showing Soil Nail Locations on Sheet No. 3.
- (2) Alignment load shall be 0.025*VTL
- (3) Measure soil nail movement after each load increment has been achieved and at each time step indicated in the table.
- (4) Record permanent soil nail movement
- (5) A minimum of 5 percent of the production soil nails in each row and at least 1 production nail per row or as directed by the engineer.
- (6) Proof test unbonded length is temporary.
- (7) Alignment load shall be less than or equal to 0.025*PTL
- (8) If the nail movement measured between 1 and 10 minutes exceeds 0.04 inches, PTL shall be maintained for 50 more minutes and movements shall be recorded at 20, 30, 50 and 60 minutes. Record permanent soil movement.
- (9) Measure times after the target load has been attained in each increment.

For Load Test Detail, see Sheet No. 5.

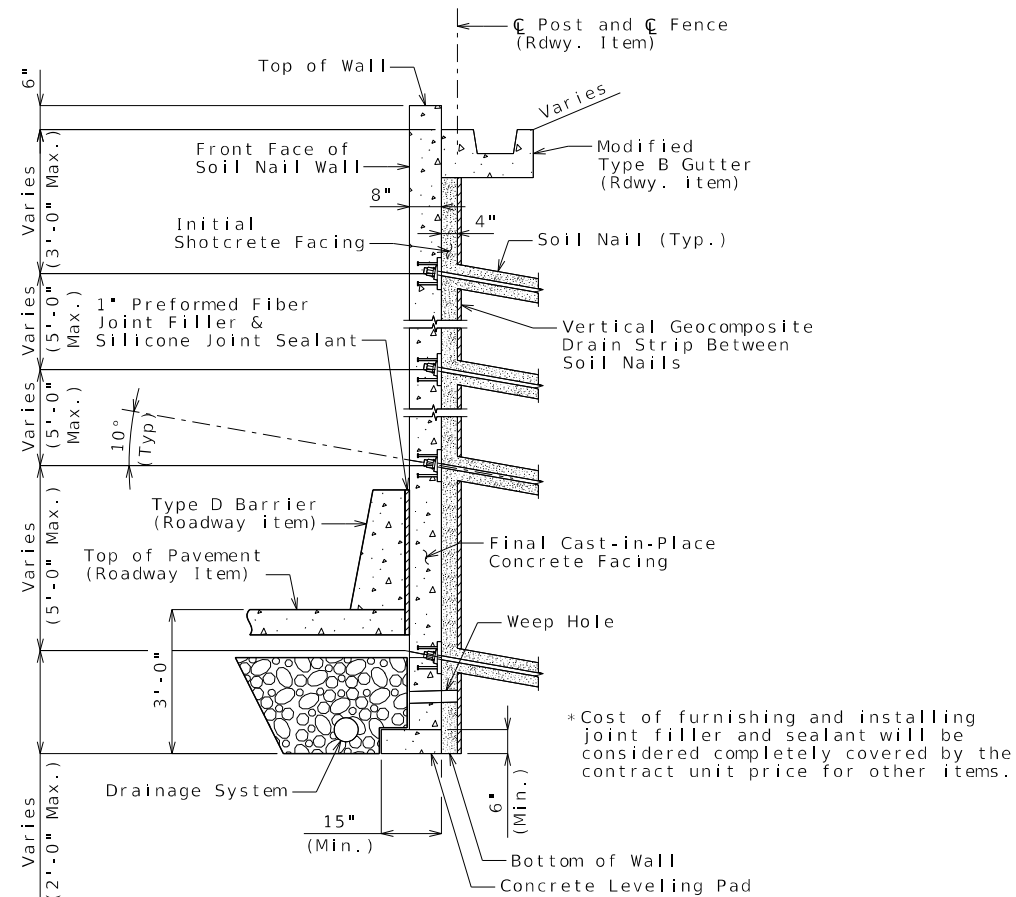


DATE PREPARED 5/26/2026	
ROUTE 40	STATE MO
DISTRICT BR	SHEET NO. 2
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9789	

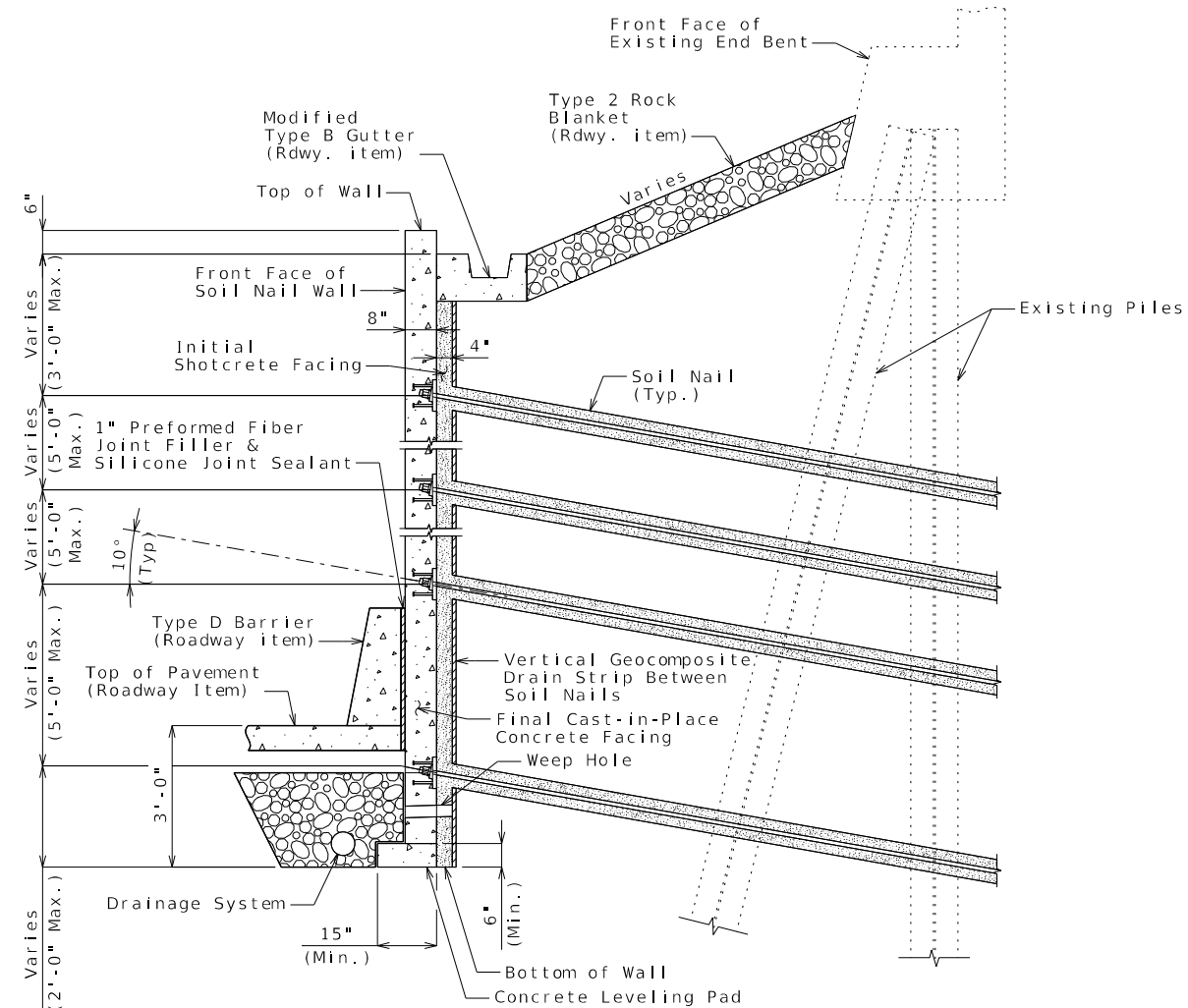
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DATE					
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION					
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)					

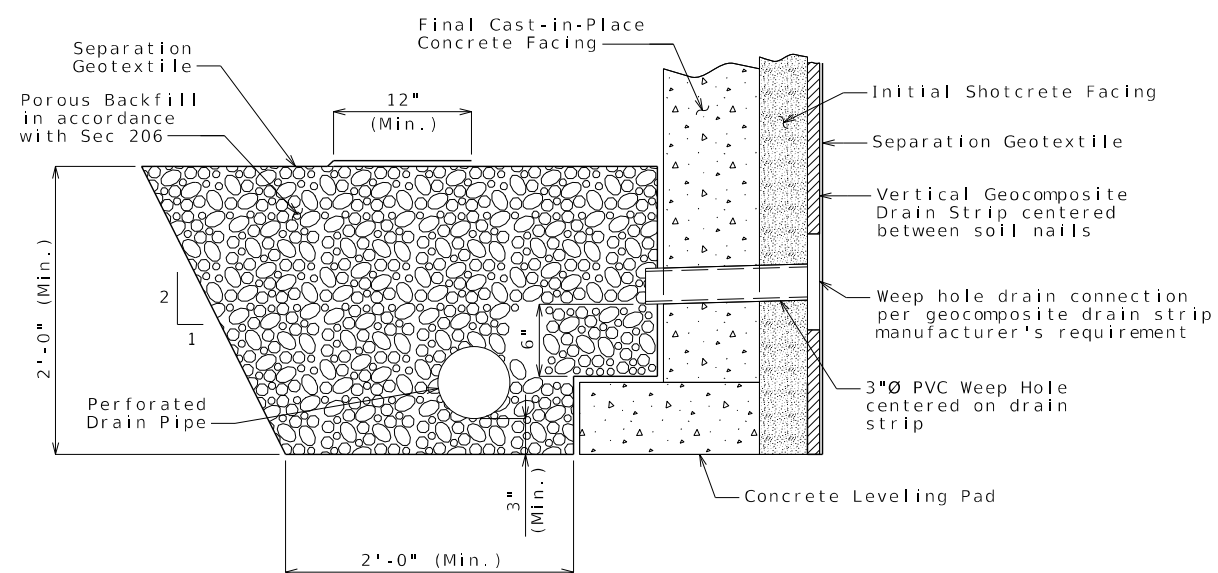
GARVER, LLC 7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090
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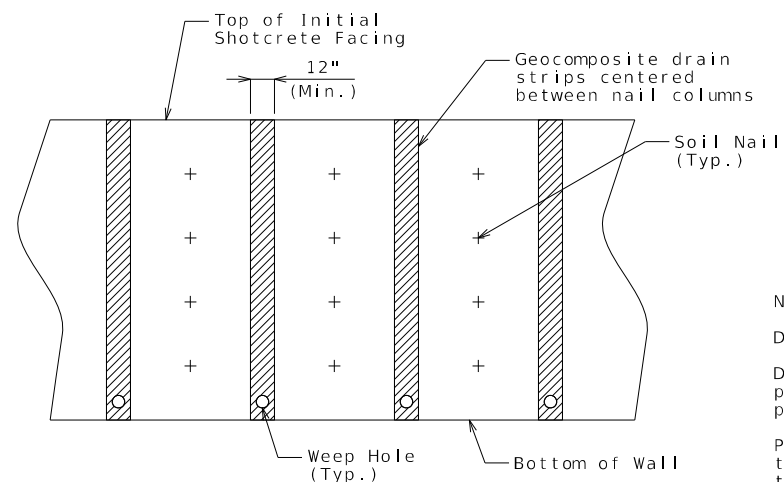
TYPICAL SECTION THRU
SOIL NAIL WALL
(Fence not shown)



TYPICAL SECTION THRU
SOIL NAIL WALL UNDER BRIDGE



DRAINAGE SYSTEM DETAIL



PART ELEVATION SHOWING DRAIN STRIPS

Notes:

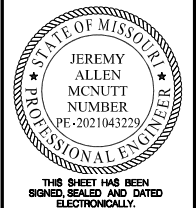
Drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 8-inch diameter corrugated polyvinyl chloride (PVC) or 8-inch diameter corrugated polyethylene (PE) drain pipe.

Perforated pipe shall be placed along the full length of the soil nail wall. Unperforated pipe shall be used from the end of the wall to the outlet.

Drain shall outlet as shown on the roadway plans. The contractor shall coordinate the drain installation through the inlet wall.

The cost of all labor and materials necessary to install the drainage system will be considered completely covered by the contract unit price for Soil Nail Wall System.



DATE PREPARED

5/20/2020	
ROUTE	STATE

40	MO
DISTRICT	SHEET NO.

BR	4
COUNTY	

JACKSON

JOB NO.

JKU0066

CONTRACT ID.

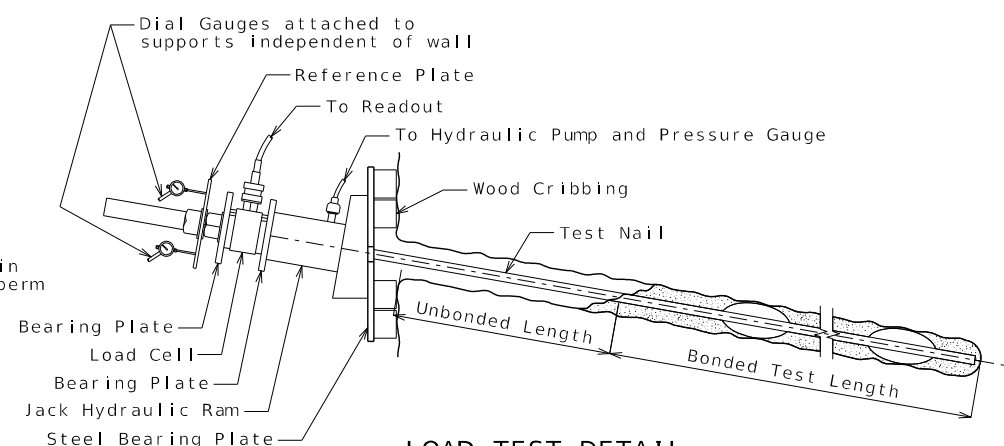
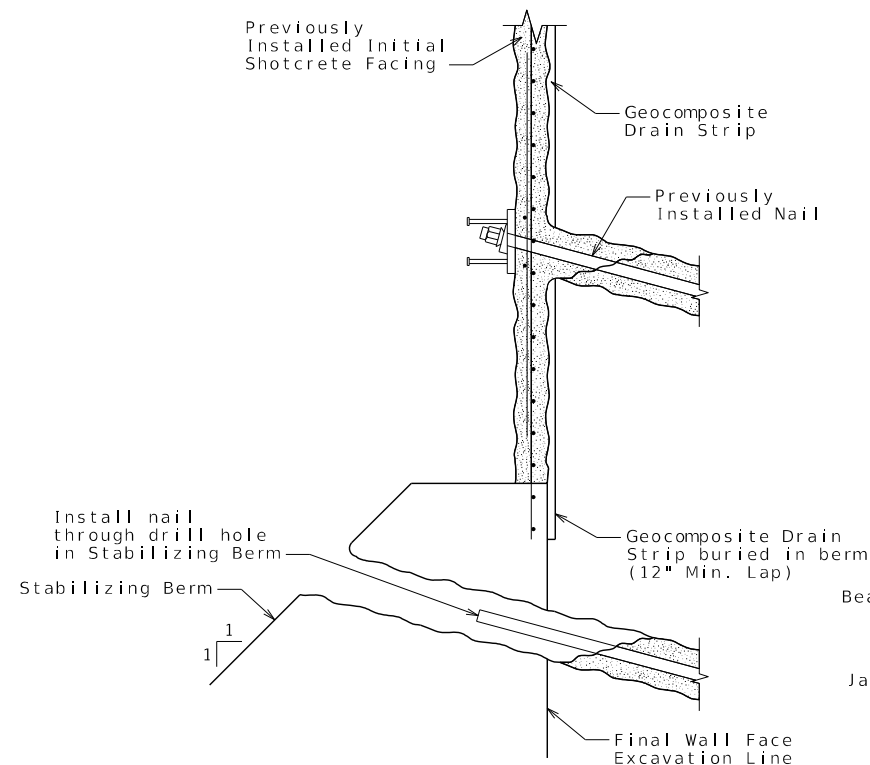
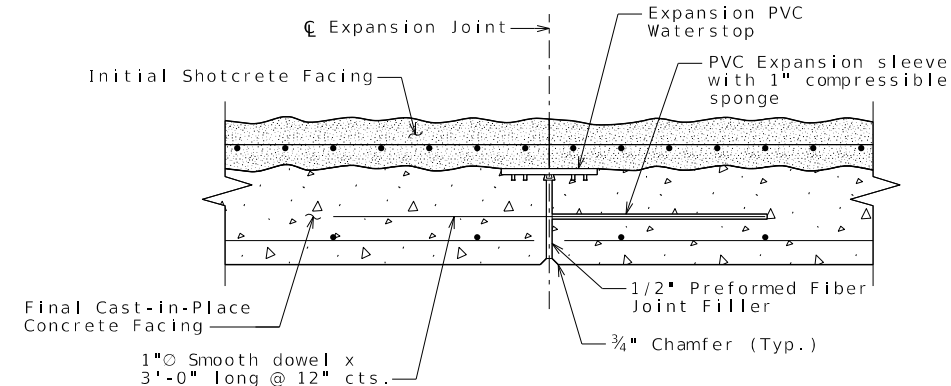
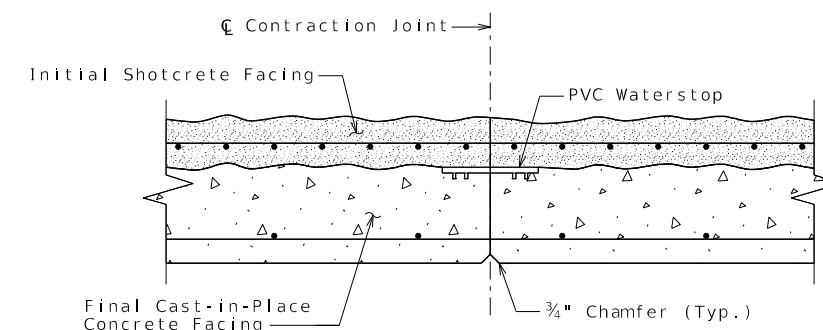
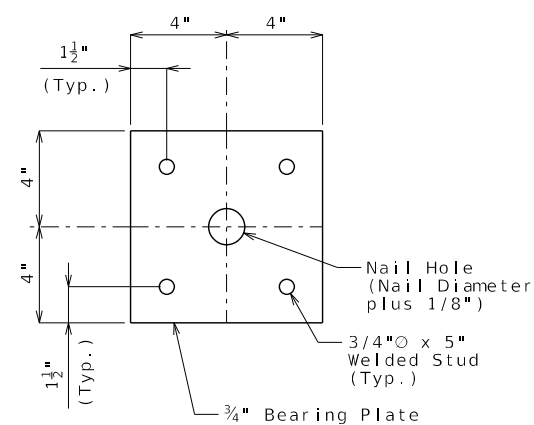
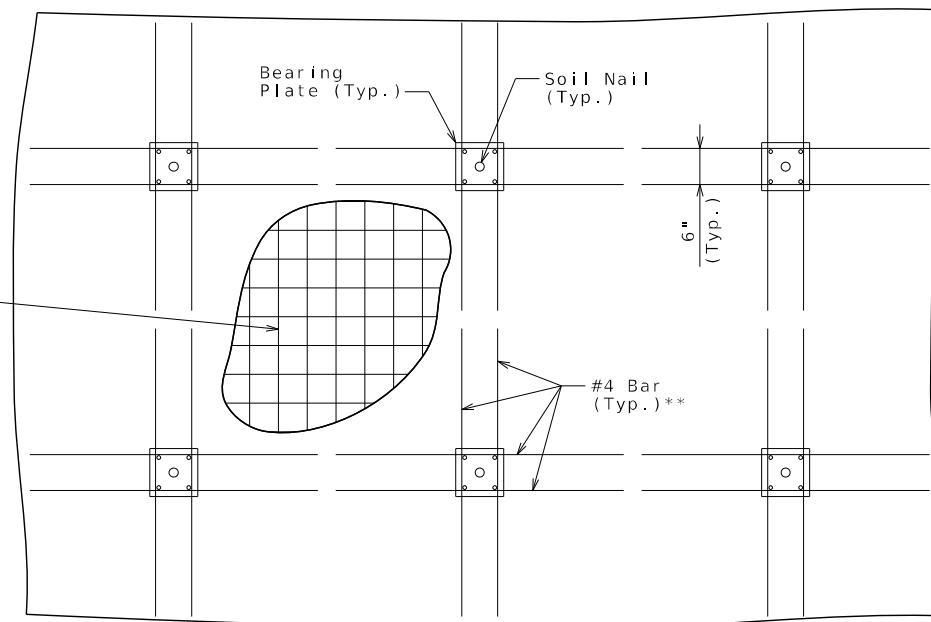
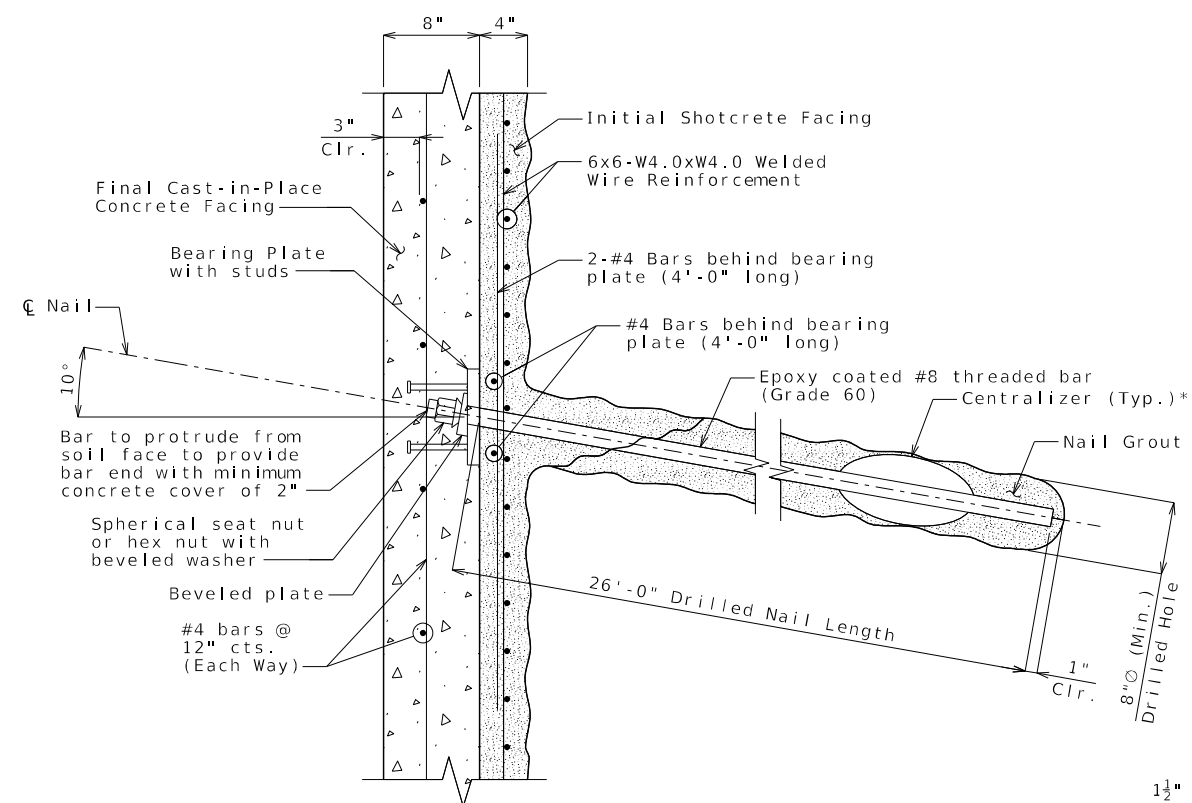
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BRIDGE NO.

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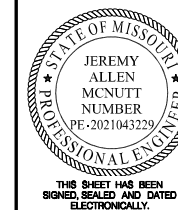


Verification load test shown, proof load test similar,
except load cell is not required.
See Sheet No. 2 for Test Load Summary tables and unbonded
and bonded test lengths.

SOIL NAIL WALL DETAILS

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

Sheet No. 5 of 9



DATE PREPARED
5/1/2026

ROUTE	STATION
1.0	1.0

DISTRICT	SHEET
BR	5

COUNTY
JACKSON

JOB NO.

JK000000
CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A9789[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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JEFFERSON CITY, MO 65102
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KANSAS CITY, MO 64153
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NO. 2008013090

Detailed Apr. 2026
Checked Apr. 2026

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CERTIFICATE OF AUTHORITY
NO. 2008013090

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Note: For locations of borings, see Sheet No. 1.

Job No.: <u>B5245077</u>		County: <u>Jackson</u>		Route: <u>40</u>	
Design: _____		Skew: <u>N/A</u>		Location: <u>Independence</u>	
Bent: _____		Logged By: <u>Alexander Baylor</u>		Operator: <u>Terry Koch</u>	
Station: _____		Northing: <u>1044049.88</u>		Date of Work: <u>03/10/26-03/10/26</u>	
Offset: _____		Easting: <u>2828276.21</u>		Depth to Water: <u>11.0</u>	
Elevation: <u>787.6</u>		Requested Northing: _____		Depth Hole Open: _____	
Requested Station: _____		Requested Easting: _____		Time Change: _____	
Requested Offset: _____		Equipment: <u>CME 550X , Split-Spoon Sampler</u>			
Requested Elevation: _____		Location Note: _____			
Drill No.: <u>897</u>		Hammer Efficiency: _____		Drilling Method: <u>Continuous Flight Augers</u>	

Depth (ft)	Graphic	Description	Elevation (ft)	Sample Type	REC % (RQD %)	Blow Counts (N_{60})	Shear Data	Field Tests	Index Tests
0		0.0-0.2' ASPHALT, approximately 2" thick							
		0.2-1.3' CONCRETE, approximately 14" thick							
		1.3-2.0' FILL, aggregate base course		X	44	4-7-8 (19)		PP = 3.00 tsf	MC = 20.1%
		2.0-8.5' Dark brown and gray, FILL (CL), medium stiff to very stiff, gravely fat clay		X	56	3-3-3 (8)		PP = 1.00 tsf	MC = 25.5%
			780		96				
		8.5-18.5' Gray, FILL (CL), soft to stiff, lean clay		X	100	0-0-2 (3)		PP = 0.50 tsf	MC = 30.2%
				X	100	0-2-6 (10)		PP = 0.50 tsf	MC = 30.6%
			770						
		18.5-24.5' Dark brown with tan, GRAVELLY FAT CLAY (CH), very stiff		X	100	8-7-9 (21)		PP = 4.00 tsf	MC = 18.0%
		24.5-27.0' Dark purplish gray, FAT CLAY WITH GRAVEL (CH), stiff		X	89	5-5-7 (15)		PP = 2.50 tsf	MC = 19.1%
		27.0-30.0' Shale, dark purplish gray, very weak rock, highly weathered	760						
30				X	100	50/0.4"		PP = 4.50 tsf	
		Bottom of borehole at 30.0 feet.							

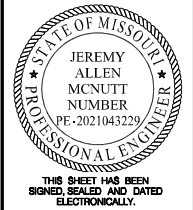
Coordinate System: Modified U.S. State Plane 1983 **Coordinate Zone:** Missouri West **Coordinate Proj. Factor:** 0.99990203

Coordinate Datum: NAD 83 (CONUS) **Coordinate Units:** U.S. Survey Feet

* Persons using this information are cautioned that the materials shown are determined by the equipment noted and accuracy of the "log of materials" is limited hereby and by judgement of the operator. THIS INFORMATION IS FOR DESIGN PURPOSES ONLY.

BORING DATA

Note: For locations of borings, see Sheet No. 1.



DATE PREPARED	
5/1/2026	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
BR	9
COUNTY	
JACKSON	
JOB NO.	
JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
A9789	

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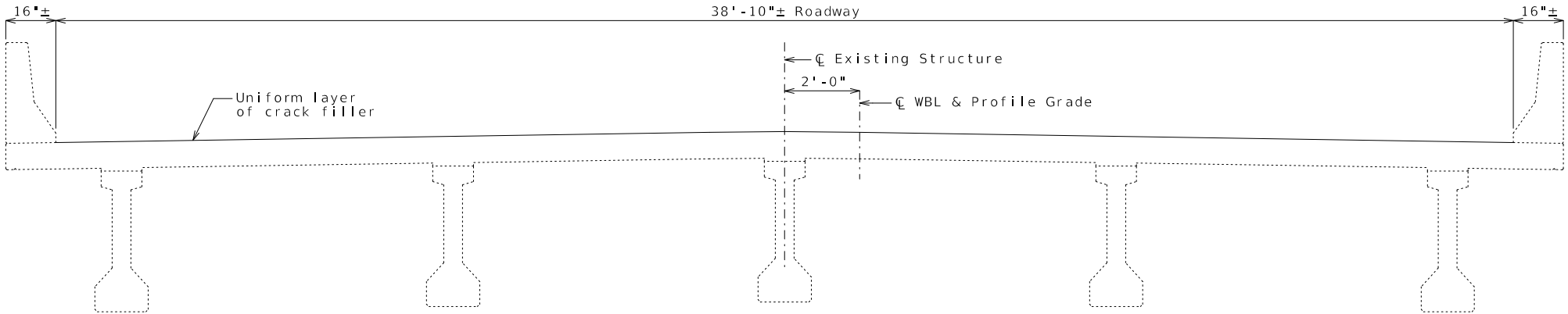
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

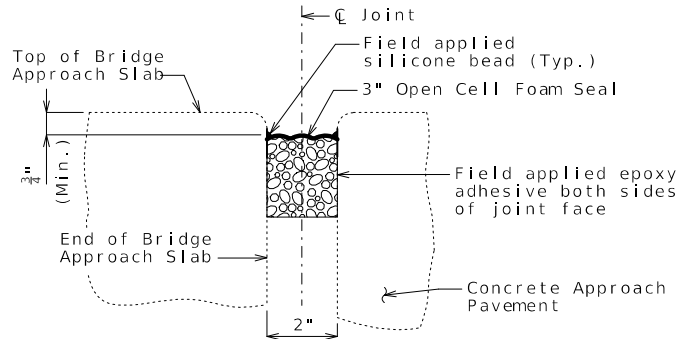
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

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

U.I.P. AND REHABILITATE EXISTING (60'-84'-60') CONTINUOUS PRESTRESSED CONCRETE I-GIRDER SPANS



TYPICAL SECTION THRU EXISTING SLAB



SECTION THRU JOINT AT END OF BRIDGE APPROACH SLAB

Extend seal full width of approach slab.

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 7

Design Loading:

HS20-44 (1996 & New Construction)

Miscellaneous:

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

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

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

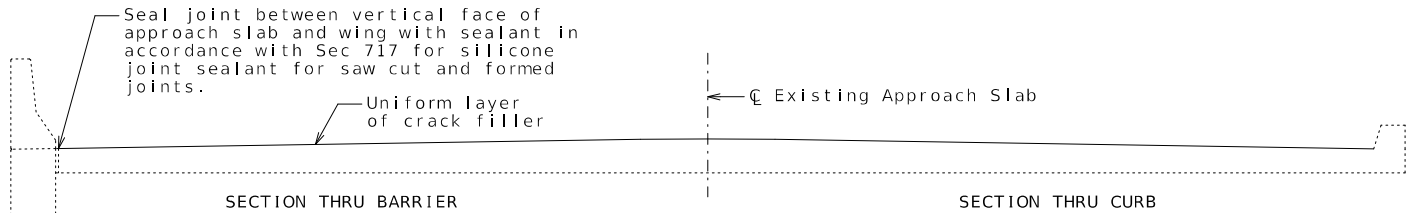
All exposed surfaces of the existing structural steel piles and sway bracing shall be recoated with one 6-mil thickness of aluminum gray epoxy-mastic primer applied over an SSPC-SP3 surface preparation in accordance with Sec 1081. The cost of surface preparation will be considered completely covered by the contract lump sum price for Surface Preparation for Applying Epoxy-Mastic Primer. The cost of the gray epoxy-mastic primer will be considered completely covered by the contract lump sum price for Gray Epoxy-Mastic Primer.

Open cell foam joint seal width shall be 3" and depth shall be determined by the manufacturer. Manufacturer recommended seal shall meet the movement and installation gap requirements.

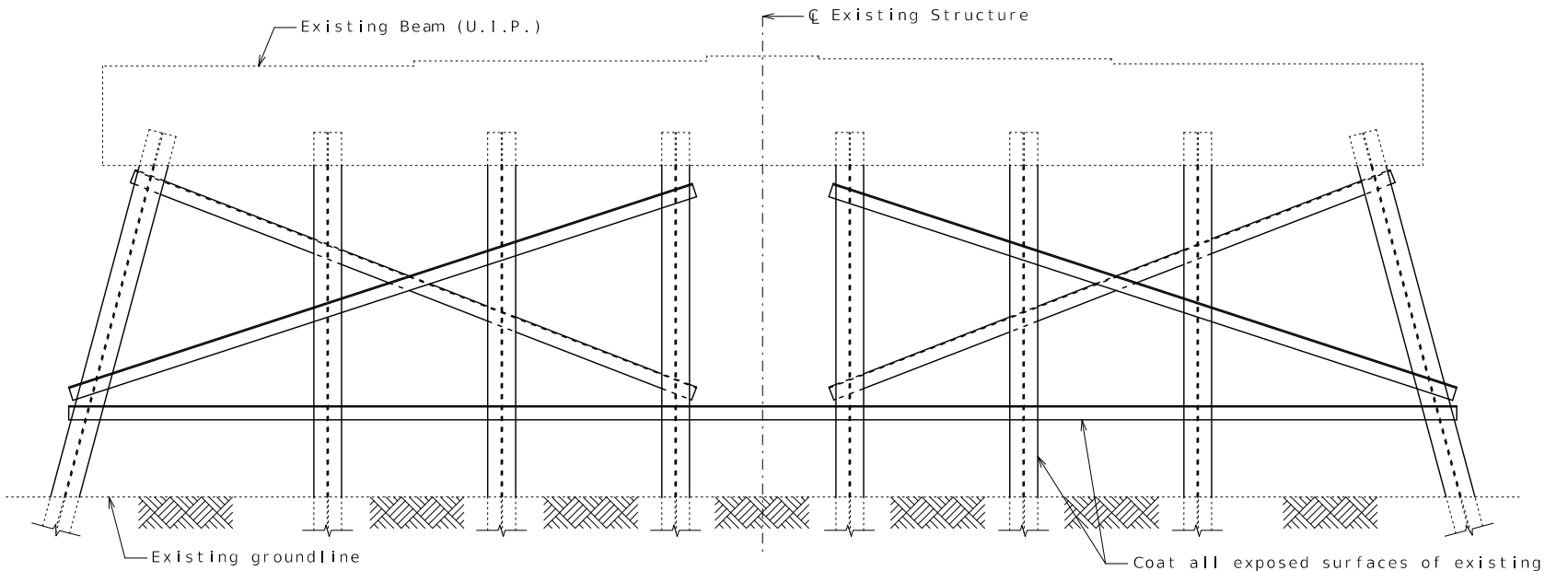
The open cell foam joint seal shall be installed according to the manufacturer's recommendations.

Traffic Handling:

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



TYPICAL SECTION THRU APPROACH SLAB



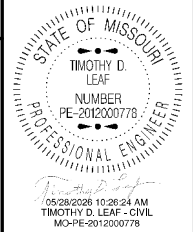
TYPICAL ELEVATION VIEW OF INTERMEDIATE BENTS NO. 2 & 3

Estimated Quantities

Item		Total
Concrete Crack Filler	sq. yard	1,117
Surface Preparation for Applying Epoxy-Mastic Primer	lump sum	1
Gray Epoxy-Mastic Primer	lump sum	1
Open Cell Foam Joint Seal	linear foot	78

REPAIRS TO BRIDGE: ROUTE 40 WB OVER LITTLE BLUE RIVER

ROUTE 40 WB FROM ROUTE 470 TO ROUTE 7
ABOUT 0.3 MILE EAST OF ROUTE 470
BEGINNING STATION 236+10.50± (Match Existing)



DATE PREPARED 5/28/2026	
ROUTE 40	STATE MO
DISTRICT BR	SHEET NO. 1
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A46371	

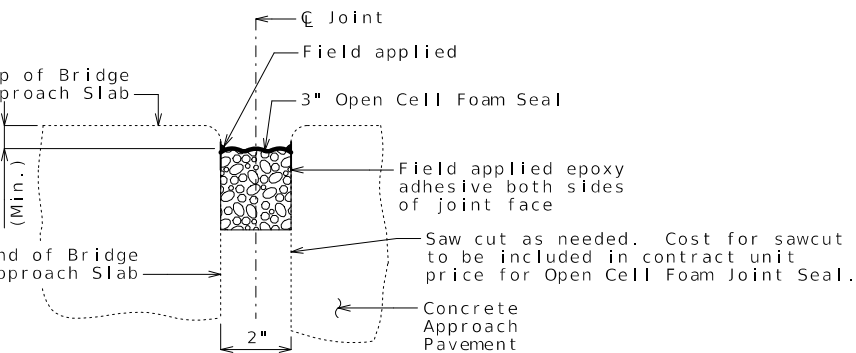
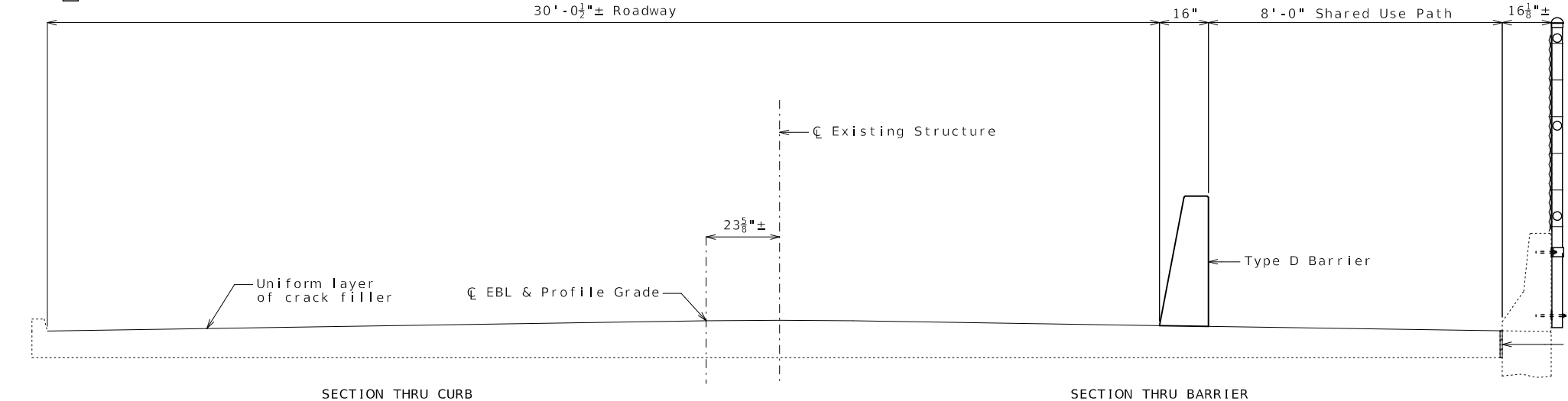
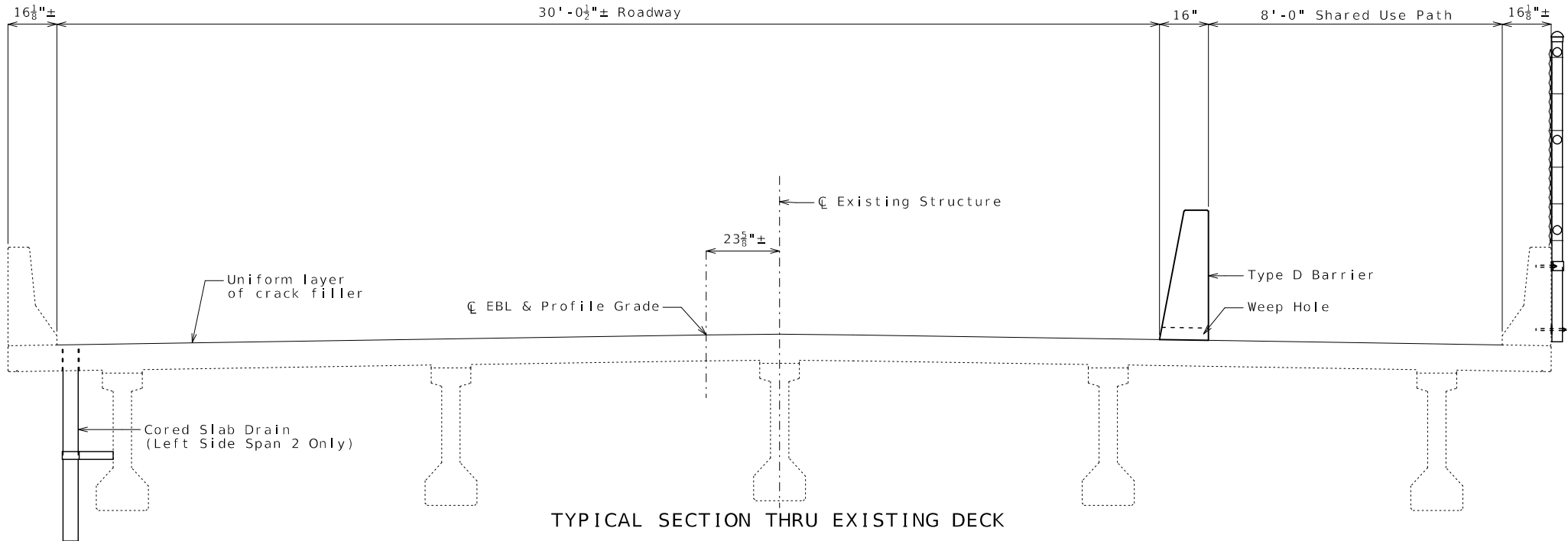
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

U.I.P. & REHABILITATE EXISTING (72.2'-75.5'-91.9') CONTINUOUS PRESTRESSED CONCRETE I-GIRDER SPANS

SEC/SUR 29 TWP 49N RGE 31W



Estimated Quantities		
Item		Total
(120 in.) Pedestrian Fence (Structures)	linear foot	268
Type D Barrier	linear foot	294
Concrete Crack Filler	sq. yard	1,117
Cored Slab Drain	each	7
Open Cell Foam Joint Seal	linear foot	78

General Notes:

Design Specifications:
2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 7
Design Loading:
HS20 Modified (1999)
Design Unit Stresses:
Class B-1 Concrete (Barrier) f'c = 4,000 psi
Reinforcing Steel (ASTM A615 Grade 60) fy = 60,000 psi
Miscellaneous:
Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.
In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.
The open cell foam joint seal shall be installed according to the manufacturer's recommendations.
Traffic Handling:
Structure to be closed during construction. See roadway plans for traffic control.

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

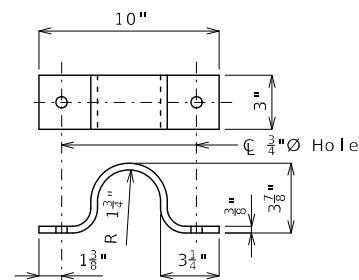
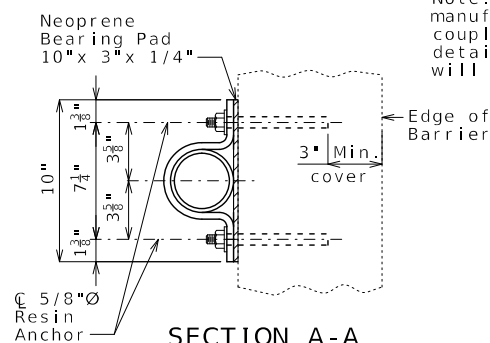
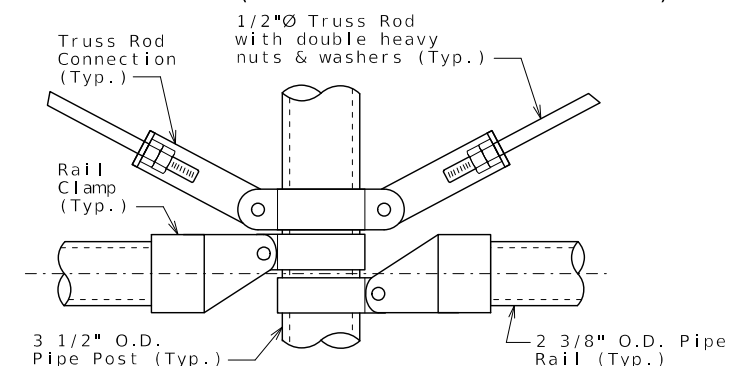
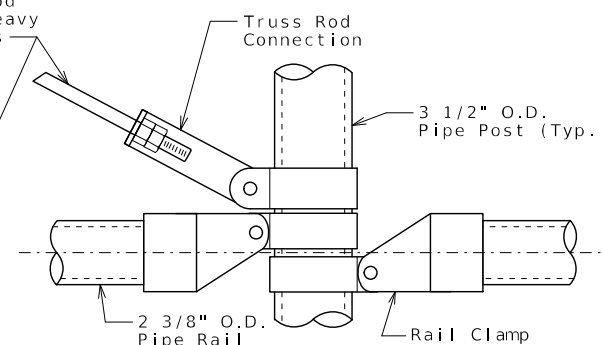
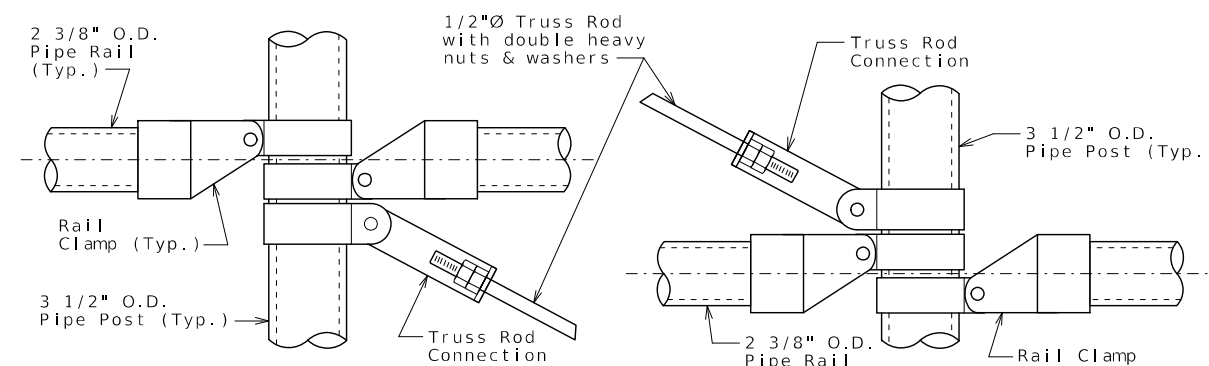
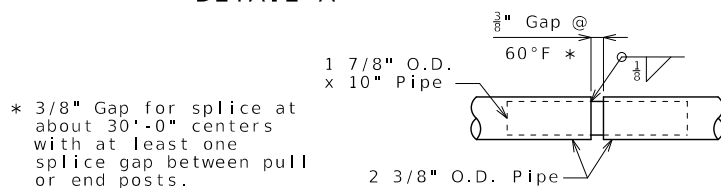
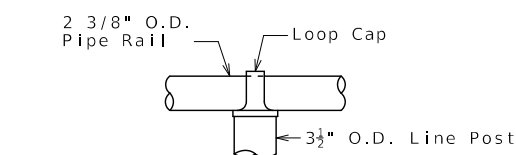
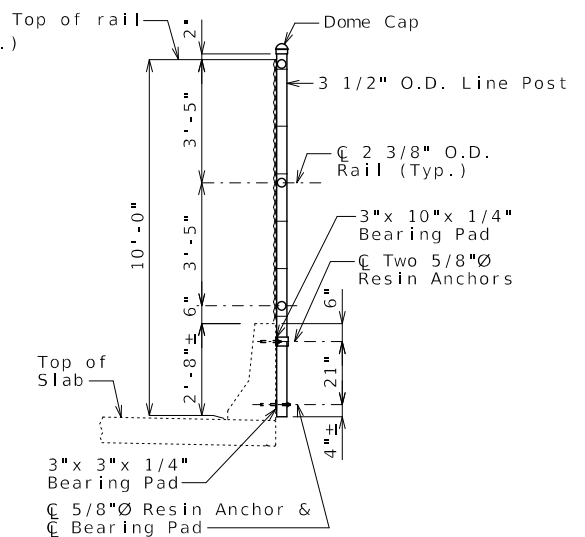
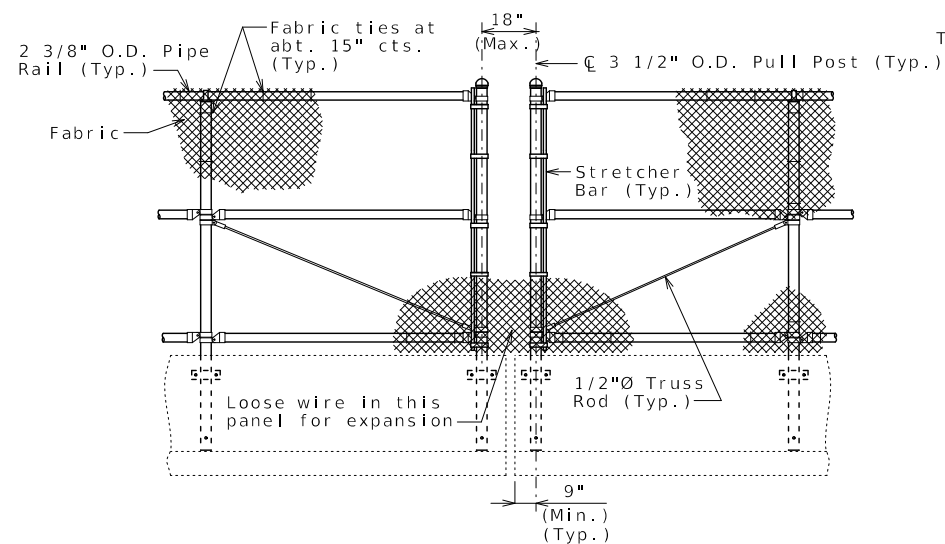
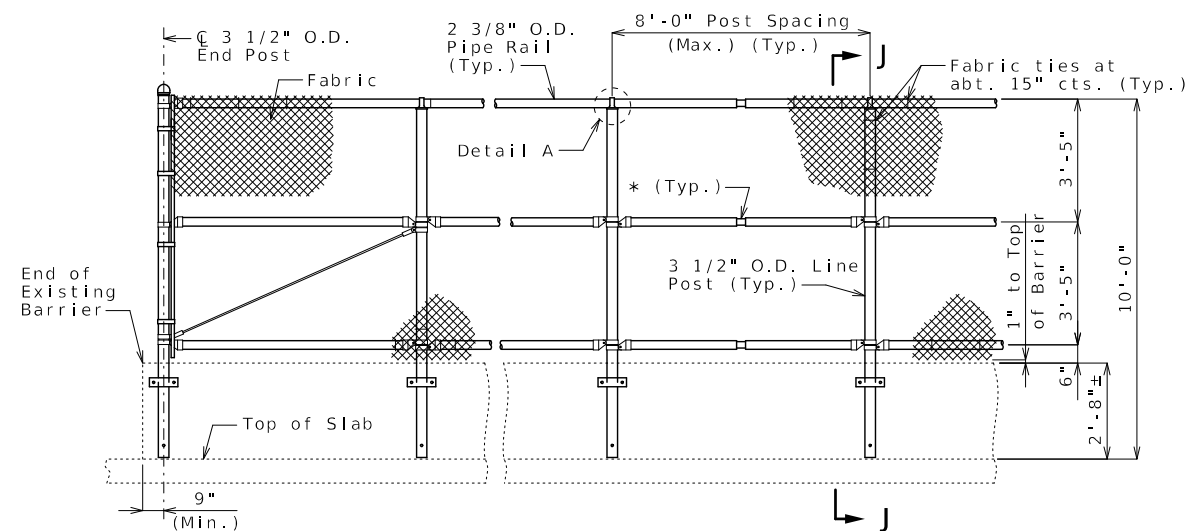


DATE PREPARED 5/28/2026	
ROUTE 40	STATE MO
DISTRICT BR	SHEET NO. 1
COUNTY JACKSON	
JOB NO. JKU0066	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A59701	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Note: At the contractor's option, manufacturer-approved expansion coupling may be used in lieu of detail shown. No additional payment will be made for this substitution.

GENERAL NOTES:

Pedestrian chain link fence shall be in accordance with Sec 1043 except all fabric shall have the top and bottom edges knuckled and pipe members shall be in accordance with ASTM F1043, high strength grade (minimum yield = 50 ksi) heavy industrial steel pipe Group 1A.

All posts shall be vertical.

Payment for furnishing, galvanizing and erecting the fence and frame complete in place will be considered completely covered by the contract unit price for (120 in.) Pedestrian Fence (Structures) per linear foot.

Dimensions of pedestrian chain link fence are measured horizontally.

The maximum spacing allowed between pull posts and end posts is 100 feet. Post brace and 1/2-inch diameter truss rod are required for panels adjacent to pull post and end posts only. Connect the lower end of truss rod to bottom of pull posts and end posts to which the stretcher bar is attached.

Rail clamps, dome cap, bands, tie wires, stretcher bars and truss rod connections shall be in accordance with the manufacturer's recommendations. The truss rod and truss rod connections shall have a minimum capacity of 2000 pounds. Dome cap shall fit tightly.

Expansion joints shall be placed in the horizontal pieces at not more than 30-foot centers and at all joint filler locations in the barrier with a minimum gap of 3/8 inch at 60 degrees F.

Steel for truss rods shall be ASTM A709 Grade 36. Steel for post straps shall be ASTM A709 Grade 50. Neoprene bearing pads shall be 50 durometer and shall be in accordance with Sec 716.

Contractor shall submit complete detailed shop drawings in accordance with Sec 1080.

All straps, resin anchors, hex nuts and washers shall be galvanized in accordance with ASTM A123 and Sec 1081.

Resin anchors shall be ASTM F1554 Grade 36.

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 (120 in.) Pedestrian Fence (Structures).

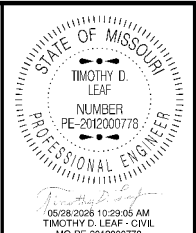
The minimum embedment depth in concrete with $f'_c = 4,000$ psi for the resin anchor systems shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5 inches.

(120 in.) Pedestrian Fence (Structures) will be measured to the nearest linear foot for each structure, measured along the centerline fence from end of fence to end of fence.

Chain link wire fabric shall be 9 gage minimum, 2-inch diamond mesh.

The chain link fence shall be built in accordance with Sec 607 and Sec 1043.

For details of barrier, see existing bridge plans.



DATE PREPARED
5/28/2026

ROUTE 40	STATE MO
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DISTRICT BR	SHEET NO. 2
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COUNTY
JACKSON

JOB NO.
JKU0066
CONTRACT ID.

CONTRACT 154

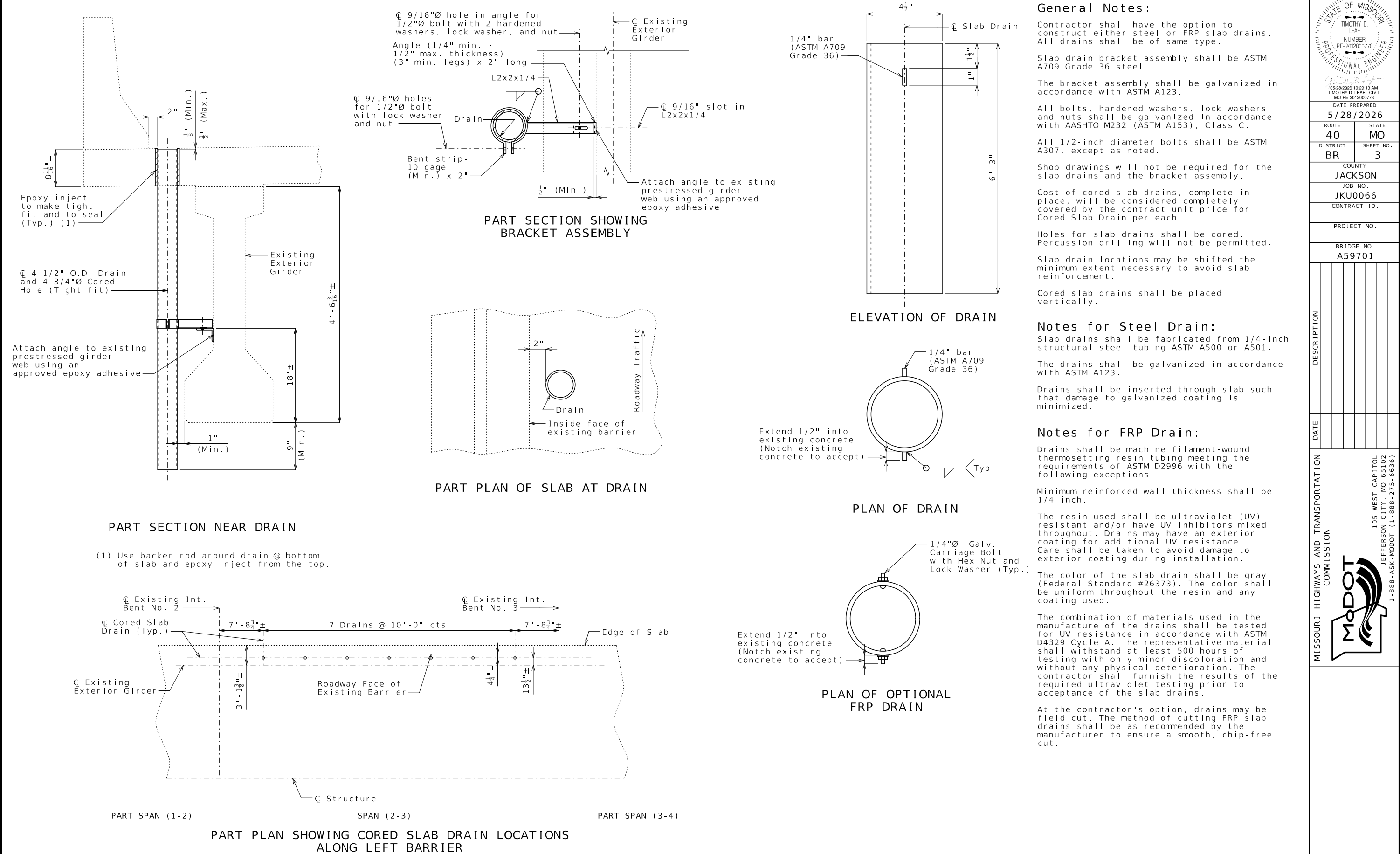
PROJECT NO.

BRIDGE NO.
A59701[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

DATE PREPARED
5/28/2026

ROUTE
40

DISTRICT
BR

COUNTY
JACKSON

JOB NO.
JKU0066

PROJECT NO.

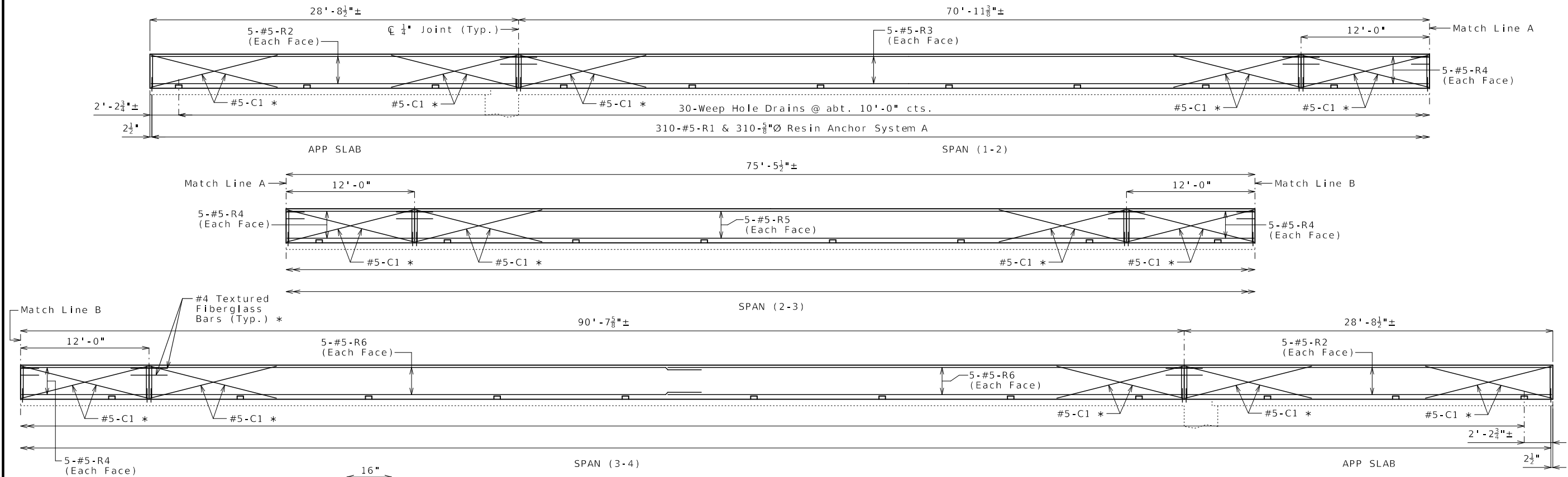
BRIDGE NO.
A59701

DESCRIPTION

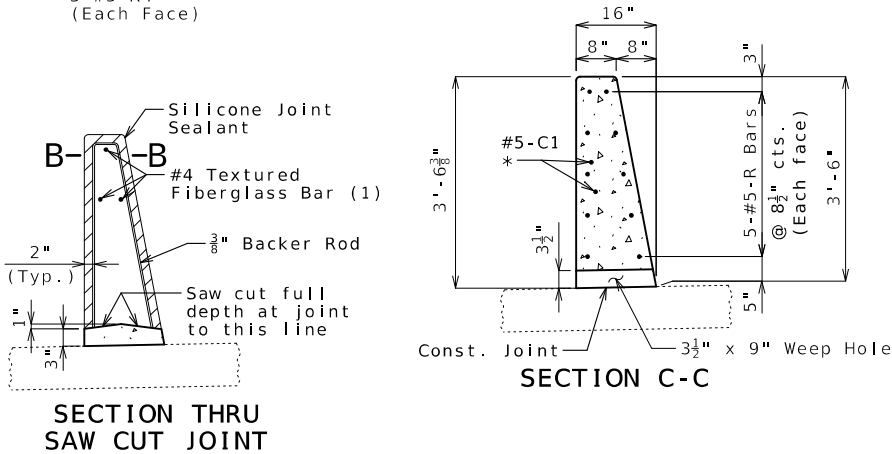
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

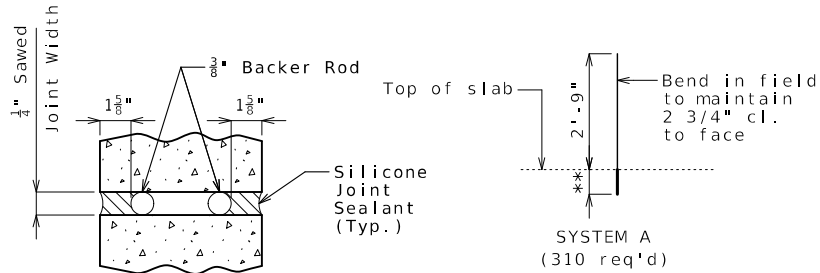
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)



ELEVATION OF BARRIER
Longitudinal dimensions are horizontal.



PART ELEVATION AT FORMED JOINT



SECTION B-B DETAILS OF RESIN ANCHOR SYSTEMS

** Manufacturer's recommended embedment length (5" maximum)

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

Cost of furnishing and installing resin anchor systems, complete in place, will be considered completely covered by the contract unit price for Type D Barrier.

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 greater than 5".

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

R-BAR PERMISSIBLE ALTERNATE SHAPE

- (1) Four feet long, centered on joint, slip-formed option only
(2) The R1 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)

TYPE D BARRIER

Sheet No. 4 of 5

General Notes:

* Slip-formed option only.

Prior to placement of new barrier concrete on existing bridge deck, the existing concrete shall be thoroughly cleaned of all dirt, debris, oil and any other foreign matter for the width of the barrier plus 3 inches on each side by pressure washing, sand blasting or other approved methods. This work is considered completely covered by the contract unit price for Type D Barrier.

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

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

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

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

Concrete in barrier shall be Class B-1.

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

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

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

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



DATE PREPARED
5/28/2026 10:29:23 AM
TIMOTHY D. LEAF - CIVIL
MO-PE-201200778

ROUTE 40
DISTRICT BR

STATE MO
SHEET NO. 4

COUNTY JACKSON

JOB NO. JKU0066

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A59701

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

