

**DESIGN DESIGNATION**

- A.A.D.T. - 2026 = VARIOUS
- A.A.D.T. - 2036 = VARIOUS
- D.H.V. = VARIOUS
- T = VARIOUS
- V = VARIOUS
- D = VARIOUS

FUNCTIONAL CLASSIFICATION-VARIOUS

NO RIGHT OF WAY IS ACQUIRED ON THIS PROJECT

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY JACKSON COUNTY

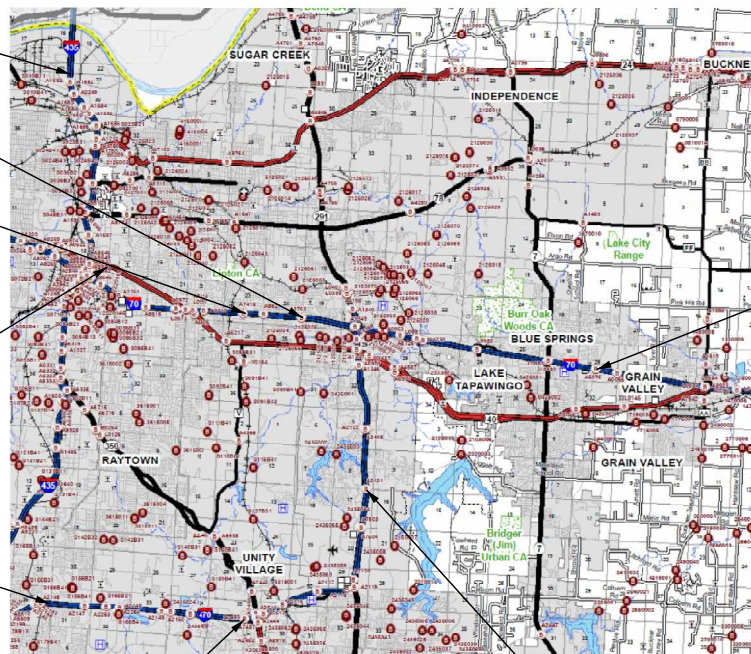
### PROJECT DESCRIPTION: SIGNAL IMPROVEMENTS



KEY MAP  
LOCATION OF JACKSON COUNTY



I-670 AT BROADWAY



I-470 AT BLUE RIDGE BLVD

**CONVENTIONAL SYMBOLS**  
(USED IN PLANS)

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

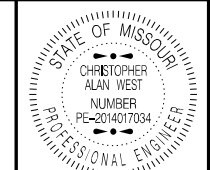
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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



**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
QUANTITIES (QU) (3 SHEETS) .....	3
SPECIAL SHEETS (SS) .....	4-5
TRAFFIC CONTROL SHEETS (TC) .....	6-9



DATE PREPARED  
3/31/2026

ROUTE STATE  
VARIES MO  
DISTRICT SHEET NO.  
KC 1

COUNTY  
JACKSON  
JOB NO.  
JKU0424  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

**LENGTH OF PROJECT**

DESCRIPTION	DATE	LENGTH
<u>I-70 AT ADAMS DAIRY</u>		
BEGINNING OF PROJECT		1.13
END OF PROJECT		1.32
APPARENT LENGTH		0.19
<u>I-670 AT BROADWAY BLVD</u>		
BEGINNING OF PROJECT		4.32
END OF PROJECT		4.46
APPARENT LENGTH		0.14
<u>I-435 AT FRONT ST</u>		
BEGINNING OF PROJECT		3.95
END OF PROJECT		4.15
APPARENT LENGTH		0.20
<u>I-470 AT WOODS CHAPEL RD</u>		
BEGINNING OF PROJECT		1.02
END OF PROJECT		1.13
APPARENT LENGTH		0.11
<u>I-470 AT PRYOR RD</u>		
BEGINNING OF PROJECT		1.02
END OF PROJECT		1.19
APPARENT LENGTH		0.17
<u>US-40 AT STADIUM DR</u>		
BEGINNING OF PROJECT		9.28
END OF PROJECT		9.30
APPARENT LENGTH		0.02
<u>I-70 AT THE PASEO</u>		
BEGINNING OF PROJECT		1.18
END OF PROJECT		1.23
APPARENT LENGTH		0.05
<u>I-70 AT NOLAND RD</u>		
BEGINNING OF PROJECT		4.90
END OF PROJECT		5.01
APPARENT LENGTH		0.11
<u>I-470 AT BLUE RIDGE BLVD</u>		
BEGINNING OF PROJECT		5.88
END OF PROJECT		5.99
APPARENT LENGTH		0.11
<u>I-70 AT LEE'S SUMMIT RD</u>		
BEGINNING OF PROJECT		4.30
END OF PROJECT		4.44
APPARENT LENGTH		0.14
<b>NET LENGTH OF PROJECT</b>		<b>6547.20 FEET</b>
<b>STATE LENGTH</b>		<b>1.240 MILES</b>
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		0 ACRES

NOT TO SCALE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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











# Traffic Control Legend, Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
<40	160'	168'	176'	BARRIER HEIGHT TRANSITION
≥40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (L) (3)			MINIMUM SHOULDER TAPER LENGTH (T1) BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

\*\* THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.  
THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.  
THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.  
(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE)

**DETAILS NOTES:**

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

**LANE TAPER LENGTH (L)**  
 $L = W \times P$  FOR 40 MPH OR MORE  
 $L = \frac{WP^2}{60}$  FOR 35 MPH OR LESS  
 L = TAPER LENGTH IN FEET  
 W = LATERAL SHIFT IN FEET  
 P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

**SHOULDER TAPER LENGTH (T1)**  
 ADJUST LENGTH ACCORDING TO SHOULDER WIDTH BASED ON TABLE RATE FOR 10' WIDE.

TRAFFIC CONTROL LEGEND

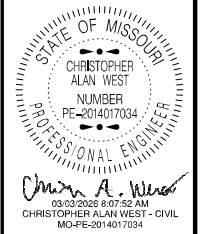
<ul style="list-style-type: none"> <li> SIGN (SINGLE SIDED)</li> <li> FLAGGER</li> <li> CHANNELIZER</li> <li> PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT.</li> </ul>	<ul style="list-style-type: none"> <li> FLASHING ARROW PANEL</li> <li> CHANGEABLE MESSAGE BOARD</li> <li> TYPE III MOVEABLE BARRICADE</li> </ul>
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**LEGEND NOTE:**  
 THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

**GENERAL NOTES:**

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	



DATE PREPARED  
3/2/2026

ROUTE STATE  
VARIOUS MO

DISTRICT SHEET NO.  
KC 6

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