

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED

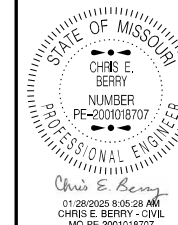
### STATE HIGHWAY

#### VARIOUS COUNTIES

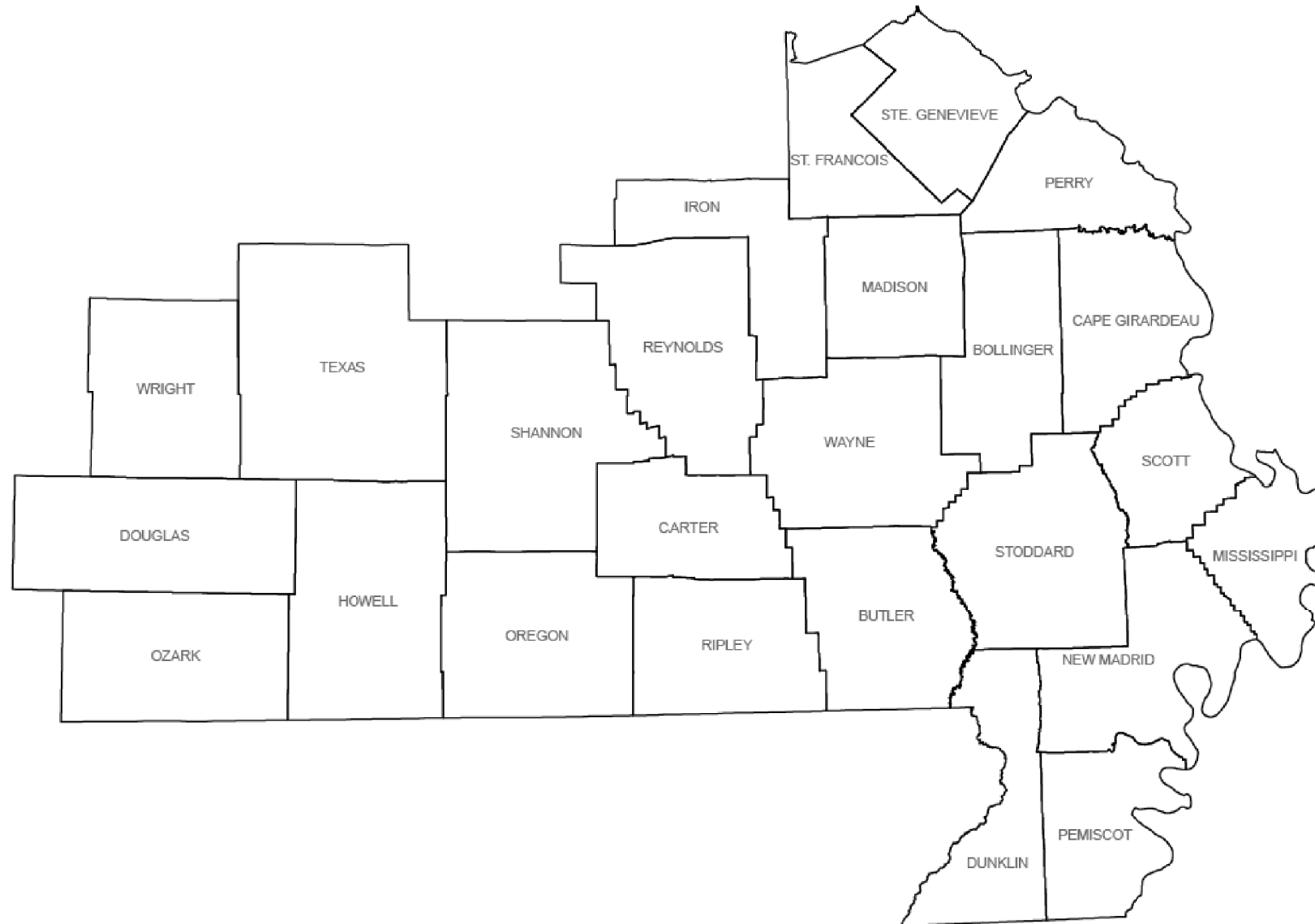
#### SOUTHEAST DISTRICT

### INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTION (TS) (2 SHEETS)---	2
TRAFFIC CONTROL SHEETS (TC)-----	3-5



DATE PREPARED 1/22/2025	
ROUTE VAR	STATE MO
DISTRICT SE	SHEET NO. 1
COUNTY VARIOUS	
JOB NO. JSE0172	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



## ADA TRANSITION PLAN IMPROVEMENTS

### JOB ORDER CONTRACTING

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.

### CONVENTIONAL SYMBOLS (USED IN PLANS)

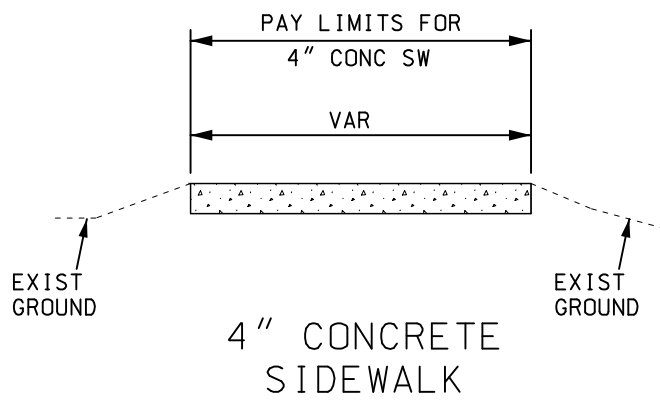
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-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

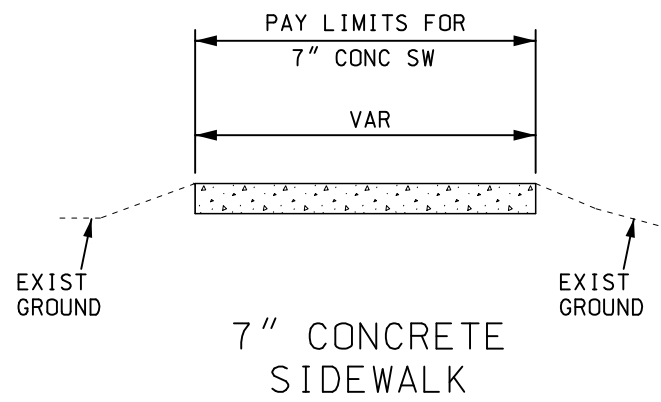
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

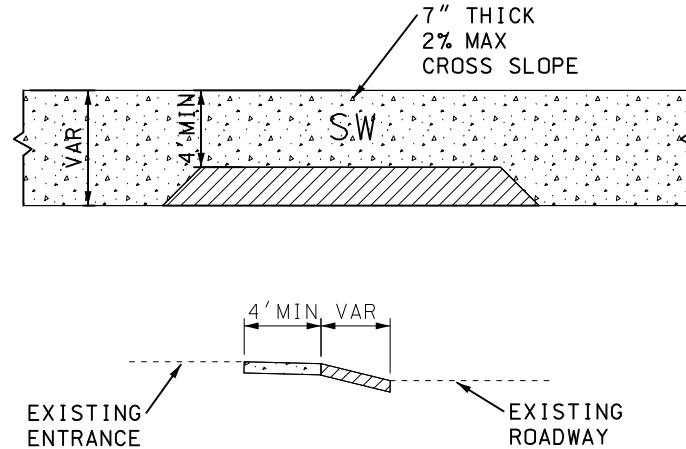
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)



4" CONCRETE SIDEWALK

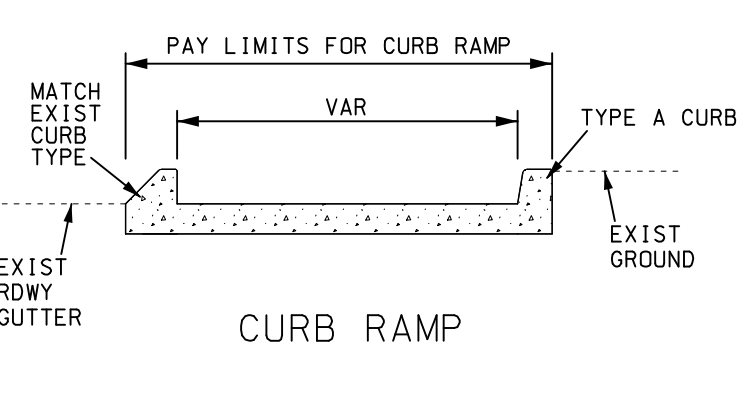


7" CONCRETE SIDEWALK

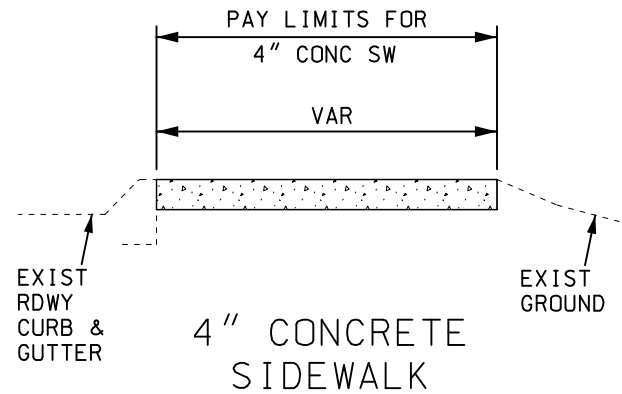


7" CONCRETE SIDEWALK CROSSING CONCRETE DRIVEWAY

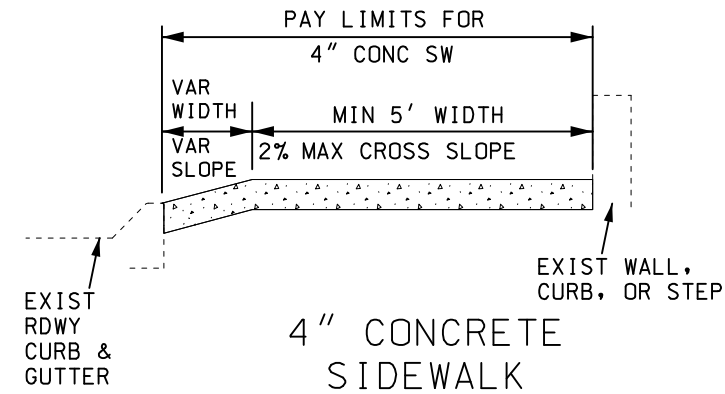
- SW - CONCRETE SIDEWALK
- CR - CURB RAMP
- VARIABLE EXISTING MATERIAL
- TRUNCATED DOME
- PAVED APPROACH



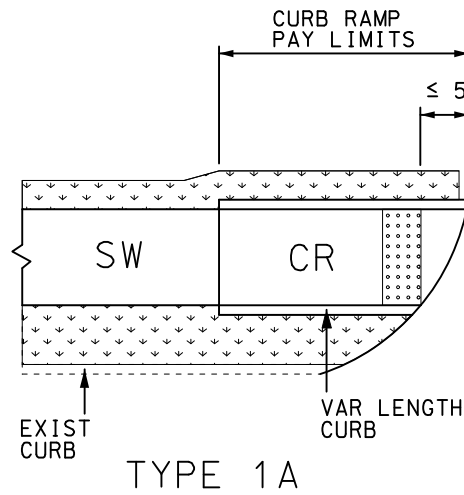
CURB RAMP



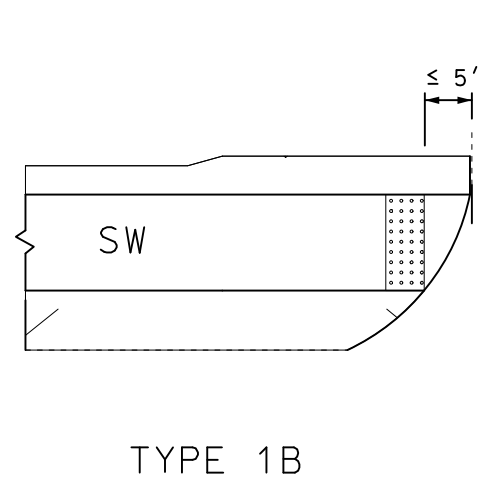
4" CONCRETE SIDEWALK



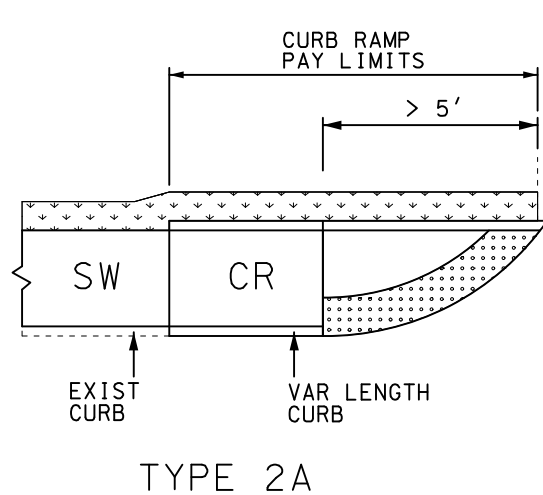
4" CONCRETE SIDEWALK



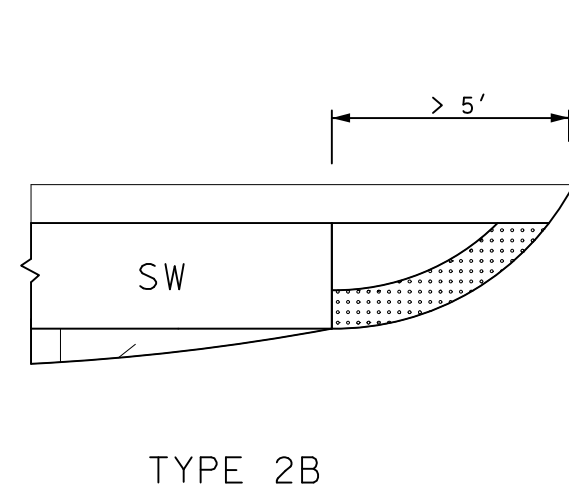
TYPE 1A



TYPE 1B



TYPE 2A

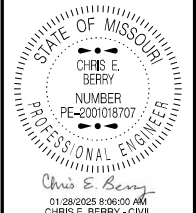


TYPE 2B

NOTES:  
TRUNCATED DOMES SHALL WRAP THE RADIUS ON CURB RAMPS IN WHICH THE FULL WIDTH LOCATION ON THE SIDEWALK IS GREATER THAN 5' FROM THE INTERSECTION WITH THE CROSSING (DEMONSTRATED IN TYPE 2)  
IF THE FULL WIDTH LOCATION IS LESS THAN 5' THE TRUNCATED DOMES SHALL BE PLACED PERPENDICULAR TO THE SIDEWALK. (DEMONSTRATED IN TYPE 1)  
TRUNCATED DOMES ARE NOT PLACED AT PRIVATE ENTRANCES SEE PLAN SHEETS FOR LOCATIONS.

NOTES:  
MAXIMUM ALLOWABLE SLOPES - NO SLOPES ON SIDEWALKS OR CURB RAMPS SHALL EXCEED THESE VALUES.  
CURB RAMP RUNNING GRADE 8.33%  
CROSS-SLOPE 2.00%  
TYPICAL SECTIONS TO BE USED IN CONJUNCTION WITH THE STANDARD PLANS.  
ANY PAVED APPROACHES THAT THE ENGINEER FINDS TO NOT BE TECHNICALLY FEASIBLE MAY BE EXCLUDED AND NOTED AS AN ADA EXCEPTION. A TRANSITION IN CROSS SLOPE SHALL BE MADE FROM THE END OF THE CURB RAMP TO THE EXISTING CROSS SLOPE OF THE ENTRANCE.  
UTILITIES, SIGNS, FIXED OBJECTS, OR CROSS SLOPE TRANSITIONS MAY NOT BE PLACED ON A CURB RAMP, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

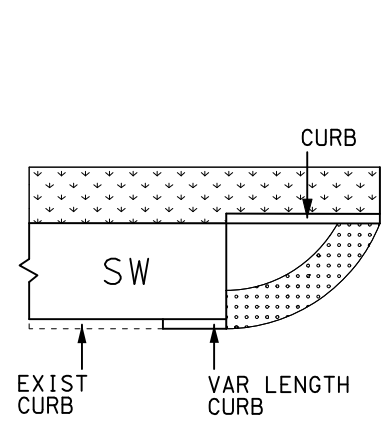


DATE PREPARED  
1/22/2025  
ROUTE VAR STATE MO  
DISTRICT SE SHEET NO. 2  
COUNTY VARIOUS  
JOB NO. JSE0172  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

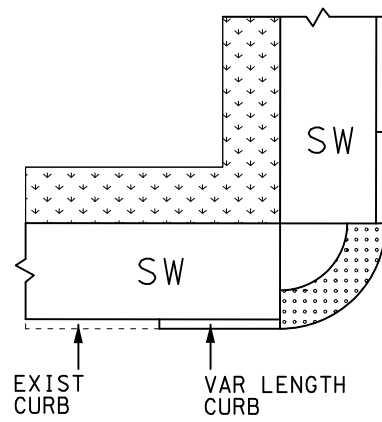
DESCRIPTION	DATE

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

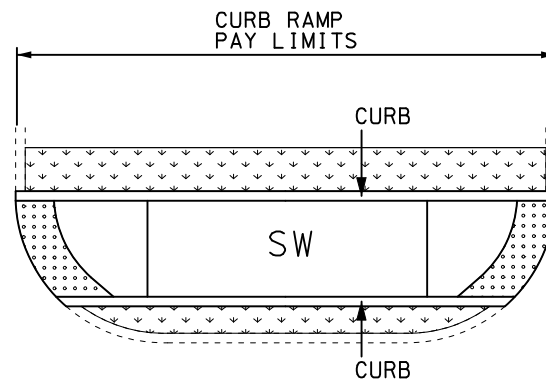
TYPICAL SECTION SHEET 1 OF 2



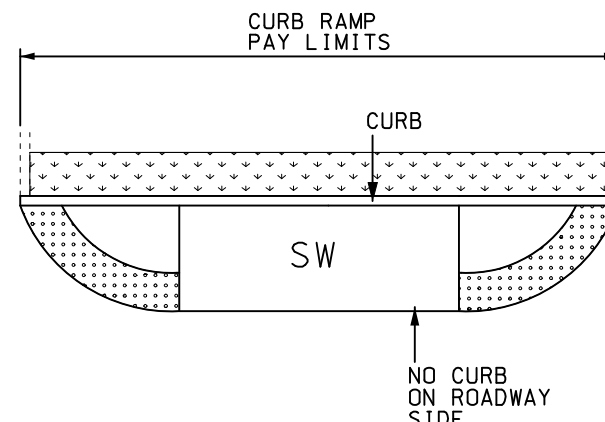
TYPE 3A



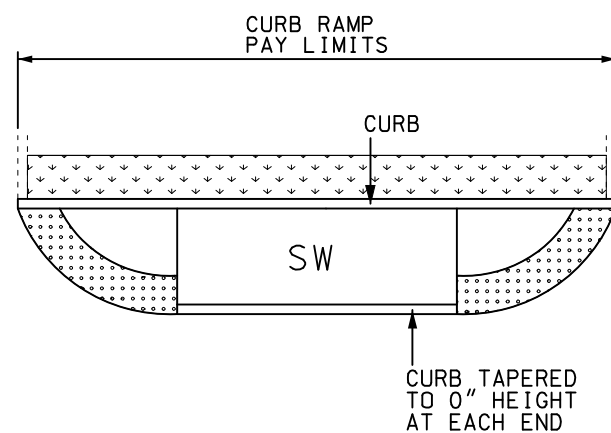
TYPE 3B



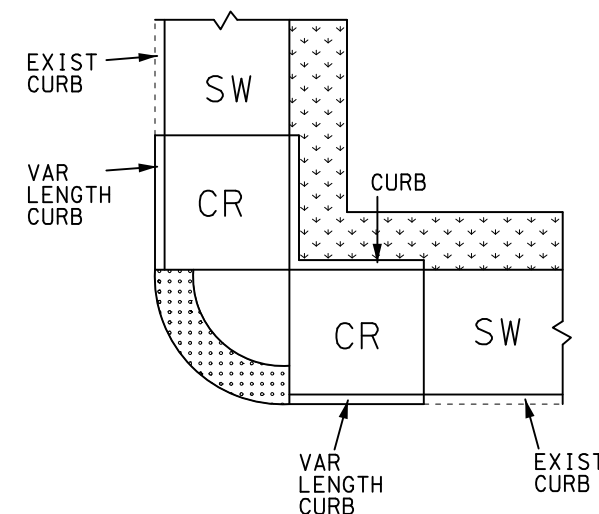
TYPE 4A



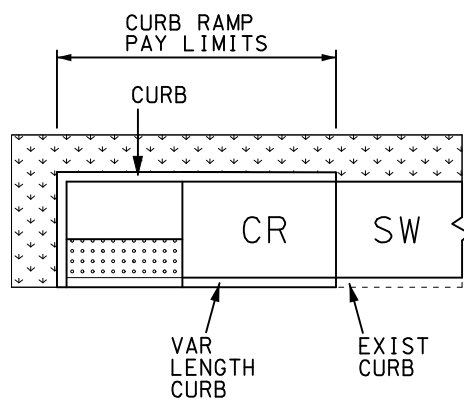
TYPE 4B



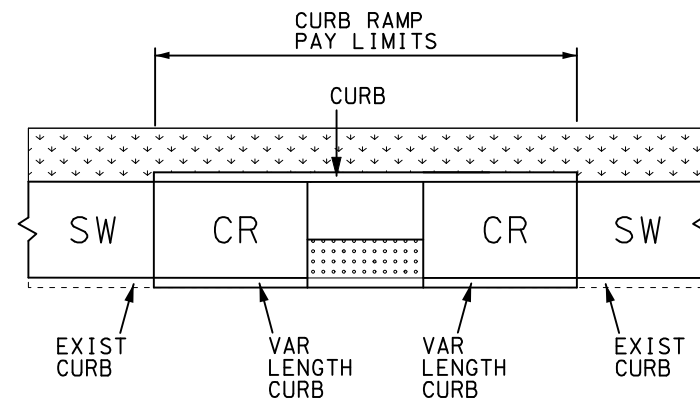
TYPE 4C



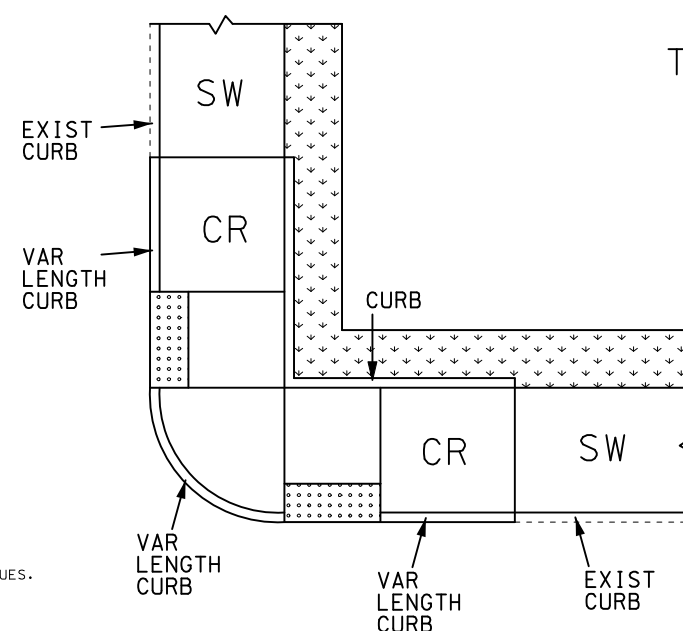
TYPE 5C



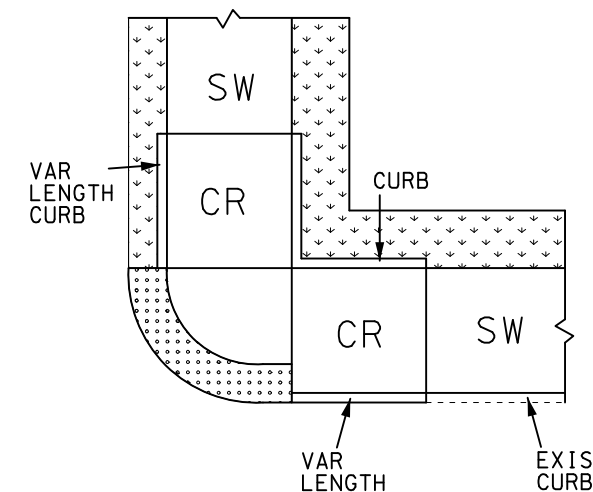
TYPE 5A



TYPE 5B



TYPE 5D



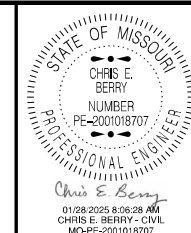
TYPE 5E

SW - CONCRETE SIDEWALK

CR - CURB RAMP

▾ ▾ - VARIABLE EXISTING MATERIAL

▢ - TRUNCATED DOME



DATE PREPARED 1/22/2025

ROUTE VAR STATE MO

DISTRICT SE SHEET NO. 2

COUNTY VARIOUS

JOB NO. JSE0172

CONTRACT ID.

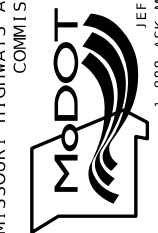
PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



TYPICAL SECTION SHEET 2 OF 2

NOTES:

TRUNCATED DOMES SHALL WRAP THE RADIUS ON CURB RAMPS IN WHICH THE FULL WIDTH LOCATION ON THE SIDEWALK IS GREATER THAN 5' FROM THE INTERSECTION WITH THE CROSSING (DEMONSTRATED IN TYPE 2)

IF THE FULL WIDTH LOCATION IS LESS THAN 5' THE TRUNCATED DOMES SHALL BE PLACED PERPENDICULAR TO THE SIDEWALK. (DEMONSTRATED IN TYPE 1)

TRUNCATED DOMES ARE NOT PLACED AT PRIVATE ENTRANCES SEE PLAN SHEETS FOR LOCATIONS.

NOTES:

MAXIMUM ALLOWABLE SLOPES - NO SLOPES ON SIDEWALKS OR CURB RAMPS SHALL EXCEED THESE VALUES. CURB RAMP RUNNING GRADE 8.33% CROSS-SLOPE 2.00%

TYPICAL SECTIONS TO BE USED IN CONJUNCTION WITH THE STANDARD PLANS.

ANY PAVED APPROACHES THAT THE ENGINEER FINDS TO NOT BE TECHNICALLY FEASIBLE MAY BE EXCLUDED AND NOTED AS AN ADA EXCEPTION. A TRANSITION IN CROSS SLOPE SHALL BE MADE FROM THE END OF THE CURB RAMP TO THE EXISTING CROSS SLOPE OF THE ENTRANCE.

UTILITIES, SIGNS, FIXED OBJECTS, OR CROSS SLOPE TRANSITIONS MAY NOT BE PLACED ON A CURB RAMP, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.

TRUNCATED DOME LOCATIONS VARY ON TYPE 5D - SEE PLAN SHEET



W020-1  
②



W020-5  
⑤

CENTER LANE  
OR  
LEFT LANE



W020-6a  
⑥

CENTER  
OR  
LEFT



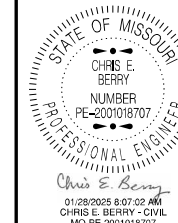
W021-5b  
②1



W05-5  
③4

TRAFFIC CONTROL LEGEND

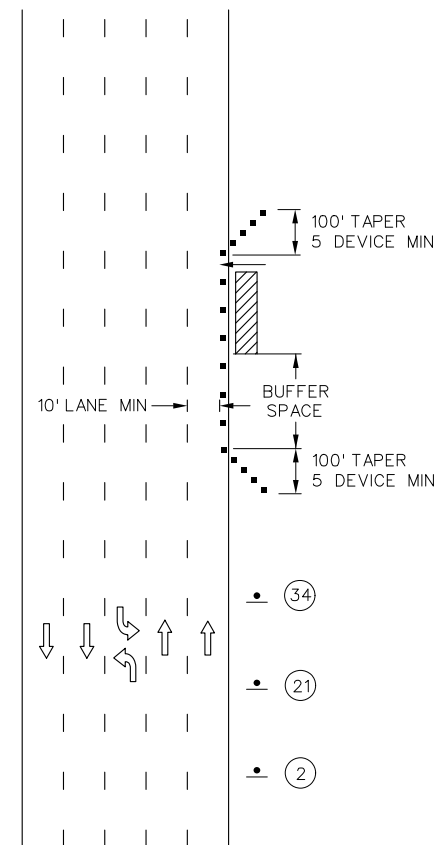
- NON-PORTABLE SIGN
- E MOVABLE BARRICADE
- CHANNELIZER
- ⋯ FLASHING ARROW PANEL
- TMA (TRUCK MOUNTED ATTENUATOR)



DATE PREPARED  
1/22/2025  
ROUTE STATE  
VAR MO  
DISTRICT SHEET NO.  
SE 3  
COUNTY  
VARIOUS  
JOB NO.  
JSE0172  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

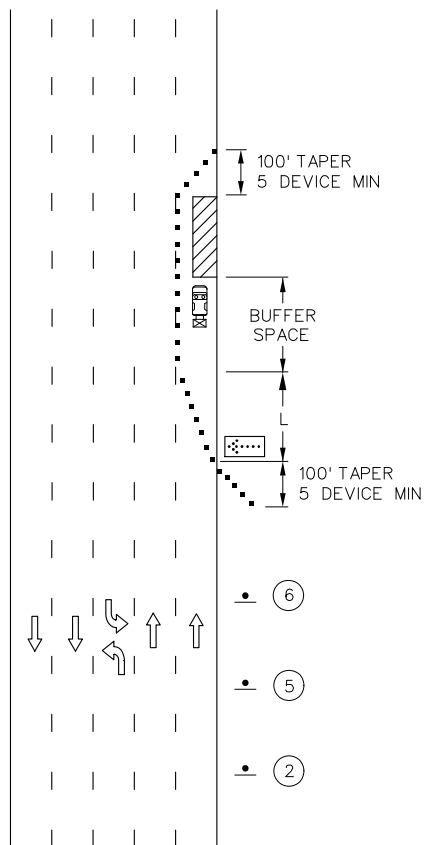
DATE	DESCRIPTION

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



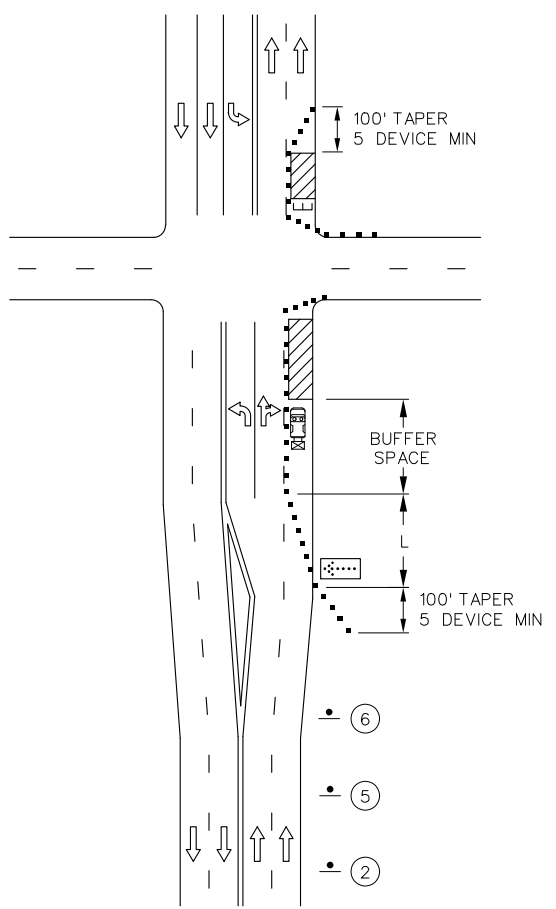
MINOR ENCROACHMENT

- ③4
- ②1
- ②



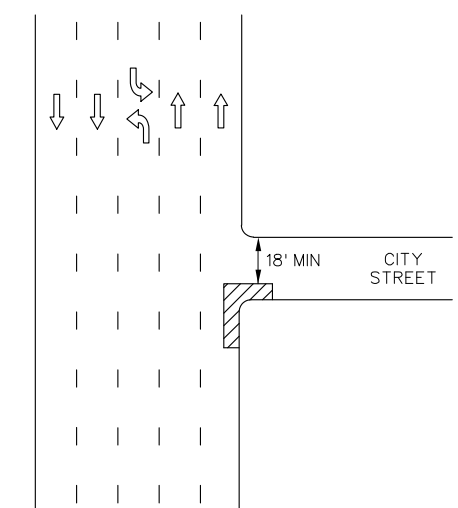
LANE CLOSURE

- ⑥
- ⑤
- ②



RIGHT LANE CLOSURE AT INTERSECTION  
WORK ON NEAR OR FAR SIDE

- ⑥
- ⑤
- ②



SIDE STREET ENCROACHMENT

SIGN SPACING FOR ADVANCE SIGN SERIES (2) (3)		
SPEED (1) (MPH)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0 - 35	200 FT	200 FT
40 - 45	350 FT	500 FT
50 - 55	500 FT	1000 FT
60 - 70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AND VISIBILITY.

SPEED (1) (MPH)	TAPER LENGTH L FOR			CHANNELIZER SPACING (3)	
	LATERAL SHIFTS (2) (4)			TAPERS	BUFFER SPACE WORK AREA
	10 FT	11 FT	12 FT		
0 - 35	205 FT	225 FT	245 FT	35 FT (4)	50 FT (4)
40 - 45	450 FT	495 FT	540 FT	40 FT (4)	100 FT (4)
50 - 55	550 FT	605 FT	660 FT	50 FT (5)	100 FT (5)
60 - 70	700 FT	770 FT	840 FT	60 FT (5)	100 FT (5)

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) TAPER LENGTHS MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, INTERSECTIONS, RAMP, OR OTHER GEOMETRIC FEATURES.
- (3) SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCROACHMENT.
- (4) SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

BUFFER SPACE LENGTHS	
POSTED SPEED PRIOR TO CONSTRUCTION (MPH)	LENGTH
0 - 35	250 FT
40 - 45	360 FT
50 - 55	495 FT
60 - 70	730 FT

- NOTES:
- ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.
  - DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.
  - ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
  - NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

# SIDEWALK DETOUR OR DIVERSION

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	Undivided (S)	Divided (S)	Shoulder <sup>1</sup> (T1)	Lane <sup>2</sup> (T2)		Tapers	Buffer/ Work Areas
0-35	200	200	70	-	250	15	25
40-45	350	500	150	-	360	20	50
50-55	500	1000	185	-	495	50	100
60-70	SA - 1000, SB - 1500 and SC-2640		235	-	730	60	100

1. Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper based on 12 ft. (standard lane width) offset

## TRAFFIC CONTROL LEGEND

- NON-PORTABLE SIGN
- E MOVABLE BARRICADE
- CHANNELIZER
- ⋯ FLASHING ARROW PANEL
- ADVANCED WARNING RAIL SYSTEM (FOR LONG TERM OPERATIONS)

DATE PREPARED  
**1/22/2025**

ROUTE <b>VAR</b>	STATE <b>MO</b>
DISTRICT <b>SE</b>	SHEET NO. <b>4</b>

COUNTY  
**VARIOUS**

JOB NO.  
**JSE0172**

CONTRACT ID.

PROJECT NO.

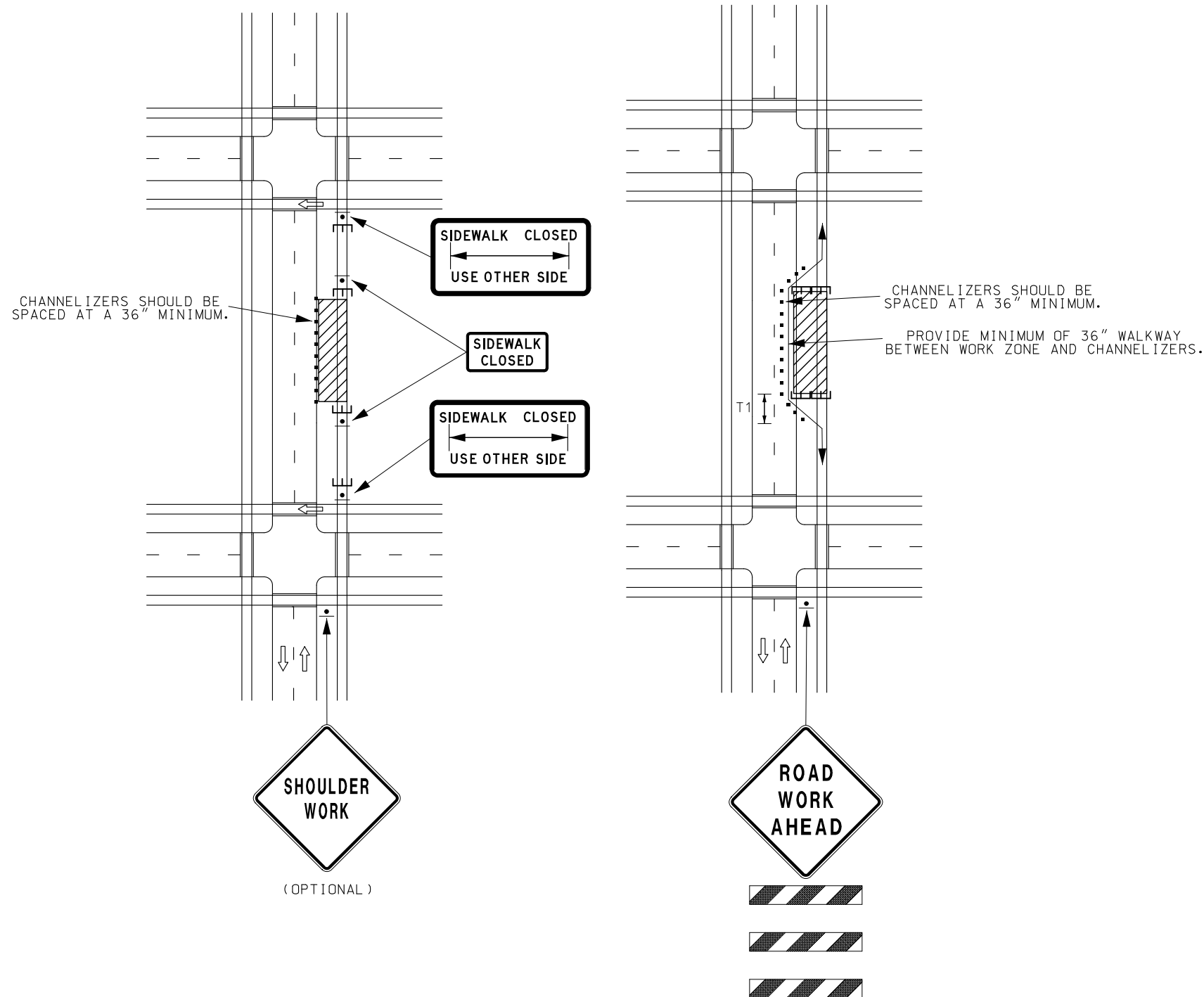
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET 2 OF 3



**NOTES:**

WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.

WHERE SIDEWALKS EXIST, PROVISIONS SHOULD BE MADE FOR DISABLED PERSONS.

ONLY THE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL TRAFFIC.

SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING. OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.

FOR HIGH SPEED FACILITIES, CHANNELIZER SPACING MAY BE REDUCED TO 1/2 SPACING NOTED IN TABLE.

OTHER APPROPRIATE SIGNS MAY BE USED IN LIEU OF THE "SHOULDER WORK AHEAD" OR "ROAD WORK AHEAD" SIGNS.

AUDIBLE INFORMATION DEVICES SHOULD BE CONSIDERED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.

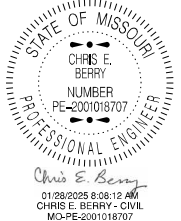
FOR LONG-TERM OPERATIONS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

# CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

**TRAFFIC CONTROL LEGEND**

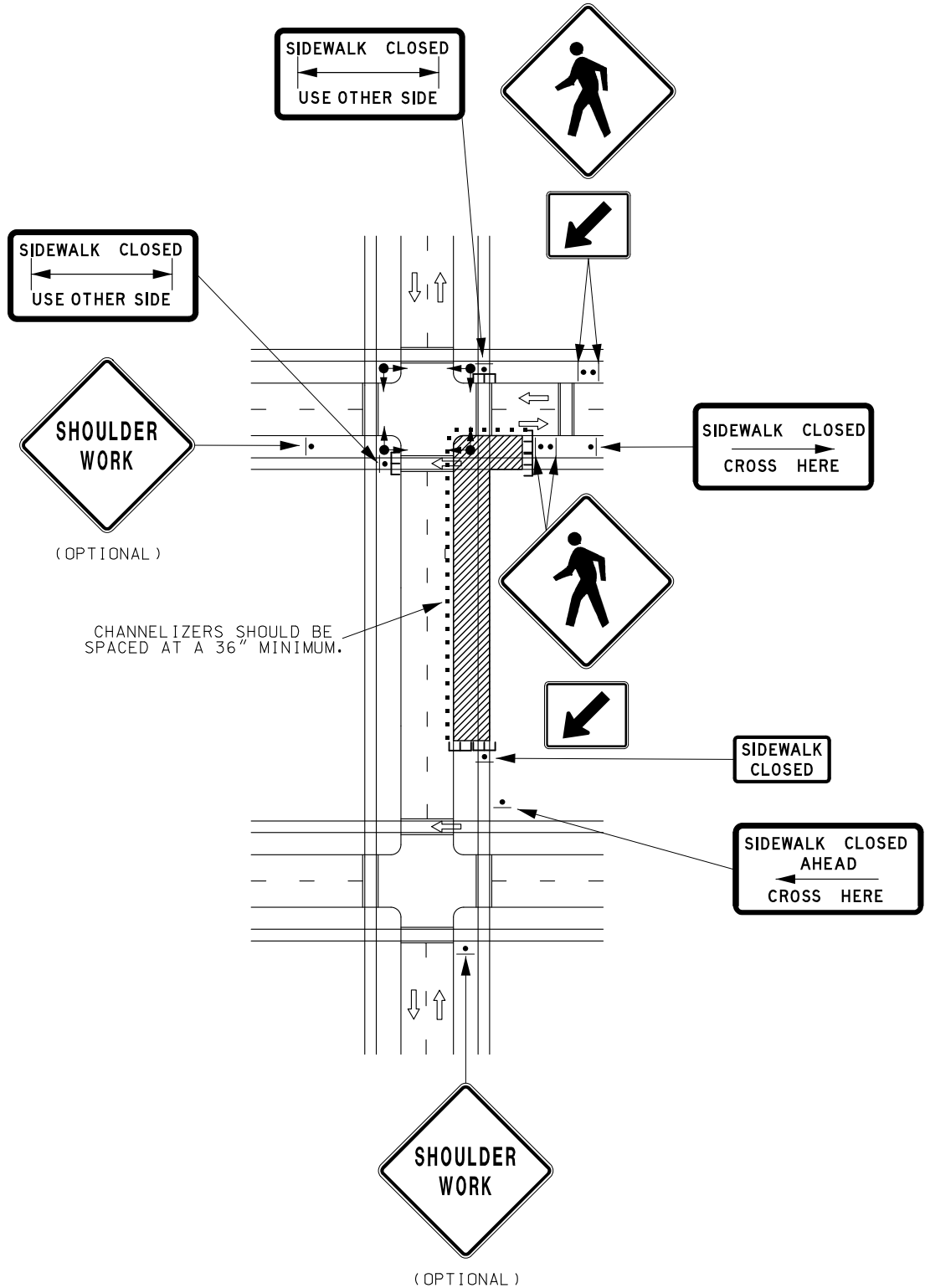
- NON-PORTABLE SIGN
- E MOVABLE BARRICADE
- CHANNELIZER
- ⋯ FLASHING ARROW PANEL



DATE PREPARED 1/22/2025	
ROUTE <b>VAR</b>	STATE <b>MO</b>
DISTRICT <b>SE</b>	SHEET NO. <b>5</b>
COUNTY <b>VARIOUS</b>	
JOB NO. <b>JSE0172</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

SPEED Normal Posted (mph)	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	Undivided (S)	Divided (S)	Shoulder <sup>1</sup> (T1)	Lane <sup>2</sup> (T2)		Tapers	Buffer/ Work Areas
0-35	200	200	-	-	250	15	25
40-45	350	500	-	-	360	20	50
50-55	500	1000	-	-	495	50	100
60-70	SA - 1000, SB - 1500 and SC-2640		-	-	730	60	100

1. Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper based on 12 ft. (standard lane width) offset



**NOTES:**

WHERE SIDEWALKS EXIST, PROVISIONS SHOULD BE MADE FOR DISABLED PERSONS.

WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.

CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FT. IN ADVANCE OF THE MID-BLOCK CROSSWALK.

PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.

ONLY THE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL TRAFFIC.

SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING. OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.

FOR HIGH SPEED FACILITIES, CHANNELIZER SPACING MAY BE REDUCED TO 1/2 SPACING NOTED IN TABLE.

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

AUDIBLE INFORMATION DEVICES SHOULD BE CONSIDERED WHERE MIBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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