

MISSOURI HIGHWAYS and TRANSPORTATION COMMISSION

JEFFERSON CITY, MISSOURI

SUPPLEMENTAL PLANS TO JULY 2025 MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION

EFFECTIVE January 1, 2026

EFFECTIVE: 01/01/2026

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION

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203.20G	SUPERELEVATION, SPIRALS AND WIDENING (UNDIVIDED HIGHWAY)	4	07/01/2017
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502.10L	DOWEL SUPPORTING UNITS	2	07/01/2023
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602.00D	RIGHT-OF-WAY AND DRAIN MARKERS	2	01/01/2003
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STANDARD NO.	DRAWING TITLE	NO. OF SHEETS	EFFECTIVE DATE
606.50F	MIDWEST GUARDRAIL SYSTEM (MGS)	9	07/01/2025
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606.70B	MIDWEST GUARDRAIL SYSTEM (MGS) - THRIE BEAM RAIL ON BRIDGE	5	04/01/2018
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607.10W	CHAIN-LINK FENCE	1	04/01/2024
607.11J	CHAIN-LINK FENCE FOR RETAINING WALLS	1	04/01/2024
607.20H	WOVEN WIRE FENCE	2	04/01/2024
608.00L	PAVED APPROACHES *	2	01/01/2026
608.10P	CONCRETE SIDEWALK	1	04/01/2015
608.20E	CONCRETE STAIRS	2	04/01/2015
608.30A	CONCRETE MEDIAN STRIP	1	10/01/2020
608.40A	HANDRAILING	4	01/01/2021
608.50A	CURB RAMPS	4	01/01/2023
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609.15D	PAVED DITCHES	1	07/01/2016
609.40U	DRAIN BASIN, SHOULDER PAVING AND FILL SLOPES AT BRIDGE ENDS	3	10/01/2023
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611.60R	CONCRETE SLOPE PROTECTION	1	07/01/2015
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616.20E	TEMPORARY TRAFFIC CONTROL PLANS - TWO-LANE ROADWAYS	5	07/01/2025
617.10N	PERMANENT CONCRETE TRAFFIC BARRIER	11	07/01/2025
617.20F	TEMPORARY CONCRETE TRAFFIC BARRIER	8	01/01/2021
619.10K	PAVEMENT EDGE TREATMENT *	1	01/01/2026
620.00P	PAVEMENT MARKING *	6	10/01/2025
620.10G	TEMPORARY PAVEMENT MARKING	5	07/01/2023
625.00	HOLE PATTERN FOR PAVEMENT SLAB STABILIZATION	1	10/01/1998
626.00J	* RUMBLE STRIPS	2	10/01/20

EFFECTIVE: 01/01/2026

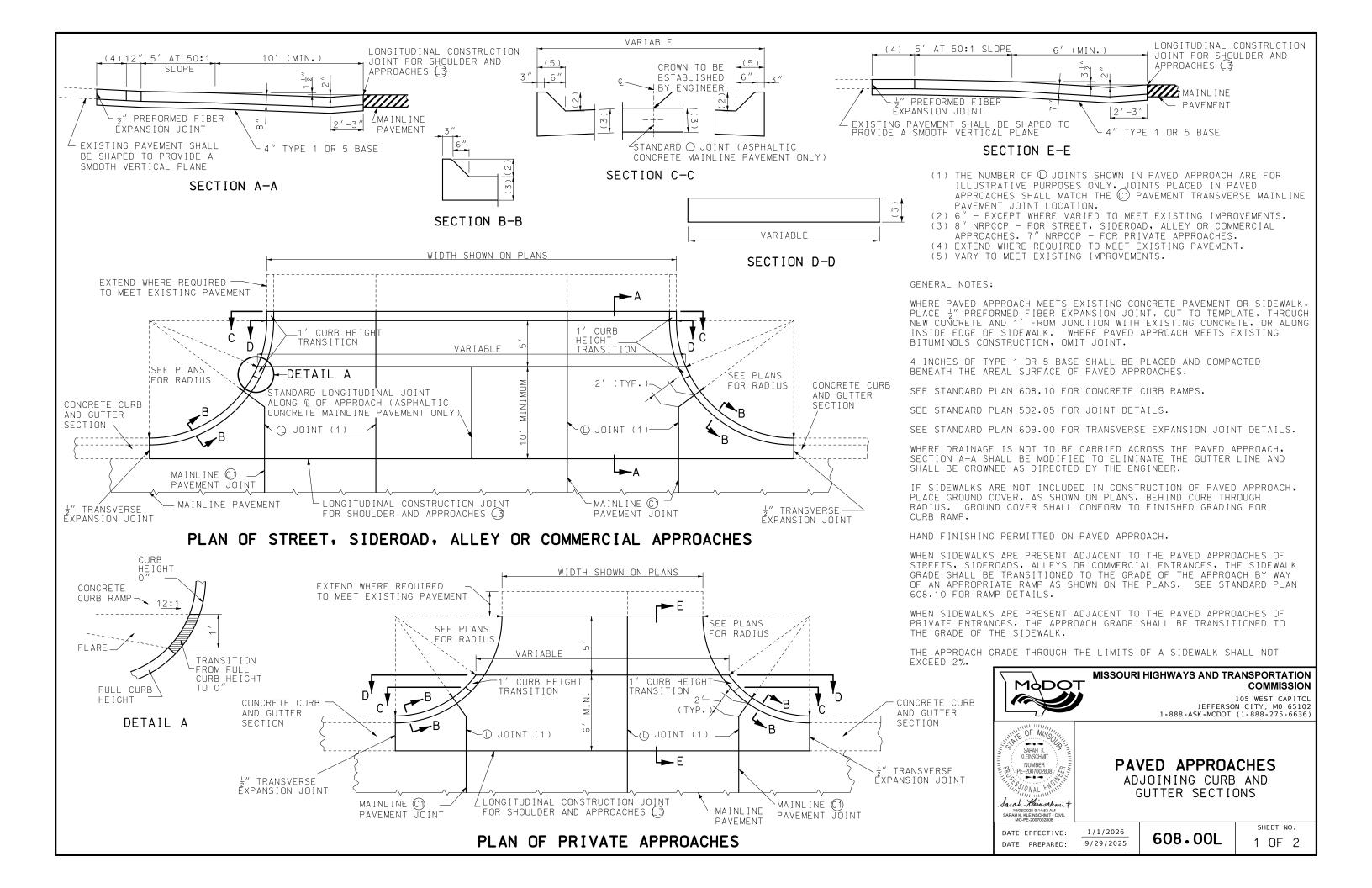
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION

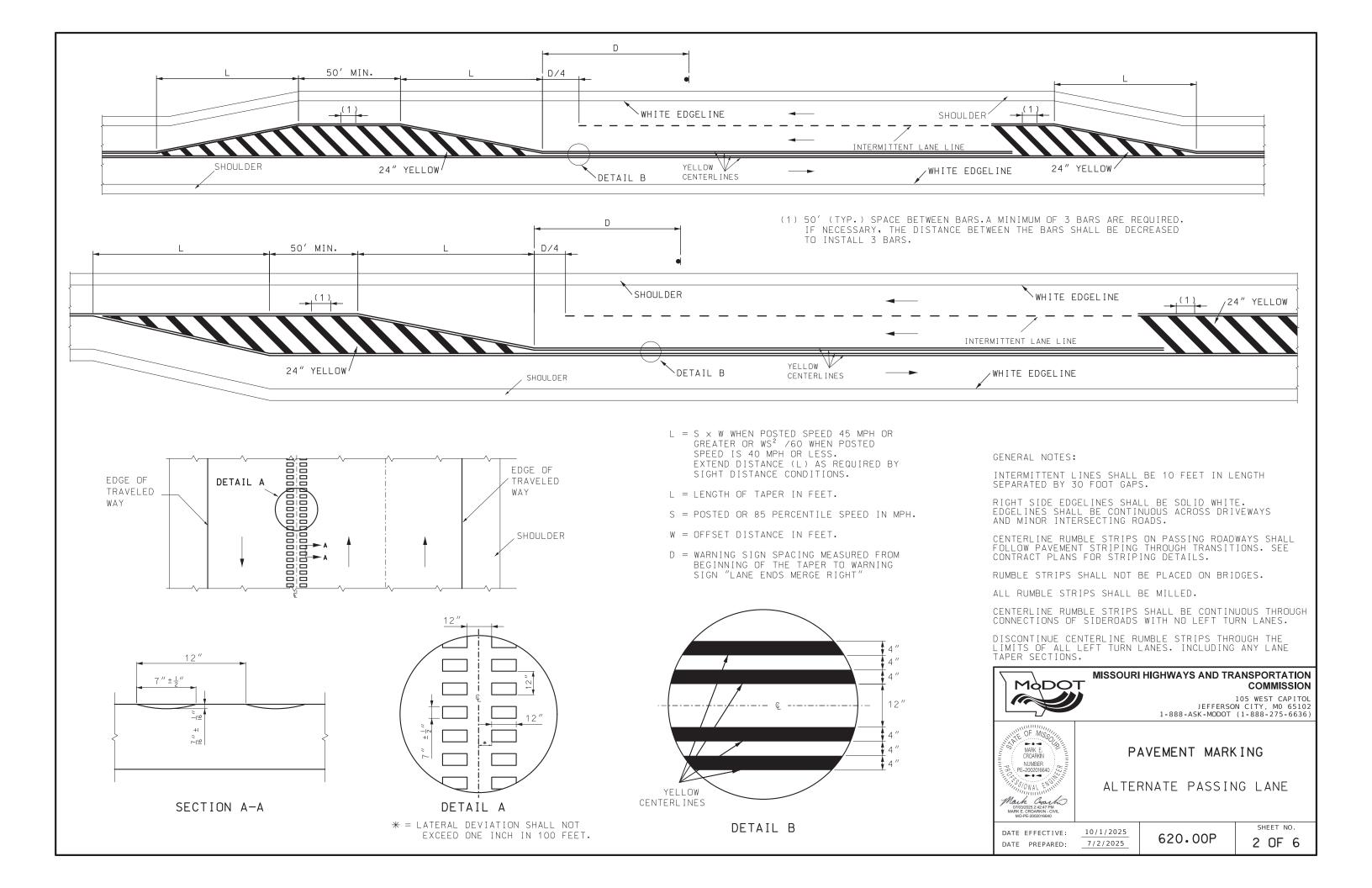
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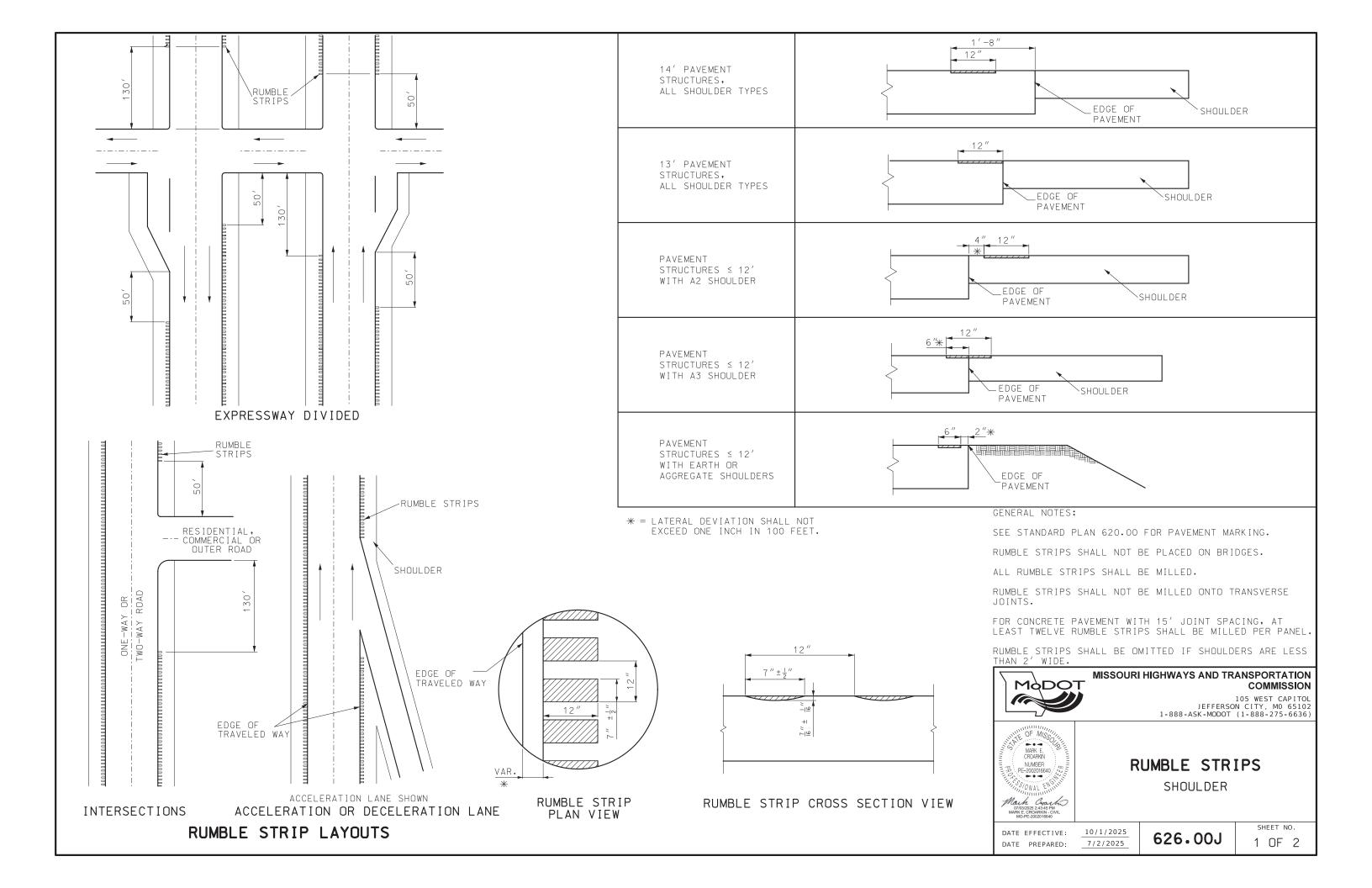
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STANDARD NO.	DRAWING TITLE	NO. OF SHEETS	EFFECTIVE DATE
703.10J	CONCRETE SINGLE BOX CULVERT – STRAIGHT WINGS (SQUARED)	3	01/01/2021
703.11J	CONCRETE SINGLE BOX CULVERT – FLARED WINGS (SQUARED)	3	01/01/2021
703.12J	CONCRETE SINGLE BOX CULVERT – STRAIGHT WINGS (LEFT ADVANCE)	3	01/01/2021
703.13J	CONCRETE SINGLE BOX CULVERT – FLARED WINGS (LEFT ADVANCE)	3	01/01/2021
703.14J	CONCRETE SINGLE BOX CULVERT – STRAIGHT WINGS (RIGHT ADVANCE)	3	01/01/2021
703.15E	CONCRETE SINGLE BOX CULVERT – FLARED WINGS (RIGHT ADVANCE)	3	01/01/2021
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703.37C	CONCRETE BOX CULVERT – EXTERIOR WING REINFORCEMENT	2	04/01/2011
703.38A	CONCRETE BOX CULVERT – CUTTING DETAILS	2	10/01/2009
703.40H	CONCRETE DOUBLE BOX CULVERT – STRAIGHT WINGS (SQUARED)	3	01/01/2021
703.41H	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (SQUARED)	3	01/01/2021
703.42H	CONCRETE DOUBLE BOX CULVERT – STRAIGHT WINGS (LEFT ADVANCE)	3	01/01/2021
703.43H	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (LEFT ADVANCE)	3	01/01/2021
703.44H	CONCRETE DOUBLE BOX CULVERT – STRAIGHT WINGS (RIGHT ADVANCE)	3	01/01/2021
703.45C	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (RIGHT ADVANCE)	3	01/01/2021
703.46	CONCRETE DOUBLE BOX CULVERT – CUT SECTION	1	01/01/2021
703.47A	CONCRETE DOUBLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	27	07/01/2023
703.60E	CONCRETE BOX STRUCTURE – PIPE INLET	1	07/01/2001
703.80H	CONCRETE TRIPLE BOX CULVERT – STRAIGHT WINGS (SQUARED)	3	01/01/2021
703.81H	CONCRETE TRIPLE BOX CULVERT – FLARED WINGS (SQUARED)	3	01/01/2021
703.82H	CONCRETE TRIPLE BOX CULVERT – STRAIGHT WINGS (LEFT ADVANCE)	3	01/01/2021
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703.87A	CONCRETE TRIPLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	27	07/01/2023
706.35H	BAR SUPPORTS FOR CONCRETE REINFORCEMENT	1	07/01/2004
712.40L	STEEL DAMS AT EXPANSION JOINTS	1	10/01/2019
725.00C	CORRUGATED METAL PIPE INSTALLATION METHODS	5	04/01/2011
725.31C	METAL CURTAIN WALL AND METAL INLETS	1	07/01/2004
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731.10T	PRECAST DROP INLET	8	01/01/2025
732.00S	FLARED END SECTION	3	07/01/2021
732.05D	BEVELED PIPE END TREATMENT	2	01/01/2021
732.10H	SAFETY SLOPE END SECTION DECAST CONCRETE BOX CHI VERT TIES	3	01/01/2021
733.00	PRECAST CONCRETE BOX CULVERT TIES	1	07/01/2021
805.00A	SEEDING TEMPORARY EROSION CONTROL MEASURES		04/01/2024
806.10K	TEMPORARY EROSION CONTROL MEASURES	6	01/01/2023
808.00	TYPICAL PLANTING ILLUSTRATIONS	3	07/01/2004
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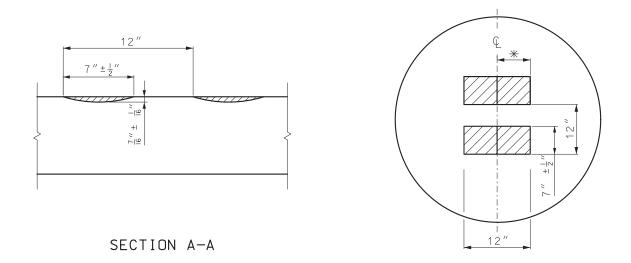
TANDARD						
NO.	THOURWAY HOUTING BOLLEG FOUNDATION A APPLIPTENANCE FOR SOME AS THE LA	SHEETS	DATE			
901.00AB	HIGHWAY LIGHTING – POLES, FOUNDATION & APPURTENANCES FOR 30' Mounting Height	4	01/01/2021			
901.01AJ	HIGHWAY LIGHTING - POLES, FOUNDATION & APPURTENANCES FOR 45' Mounting Height	6	04/01/2025			
901.02B 901.30F	HIGHWAY LIGHTING - CABLE, CONDUIT AND TRENCHING	1 2	04/01/2002			
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903.03BU	POST INSTALLATION AND SIGN MOUNTING DETAILS *	12	10/01/2025			
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903.06L	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, TWO TUBE	2	10/01/2022			
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903.08K	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE B	2	10/01/2022			
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903.12AA	OVERHEAD SIGN TRUSSES – BUTTERFLY AND CANTILEVER STRUCTURAL STEEL	7	01/01/2021			
903.60AC	OVERHEAD SIGN TRUSSES – STRUCTURAL STEEL	5	01/01/2021			



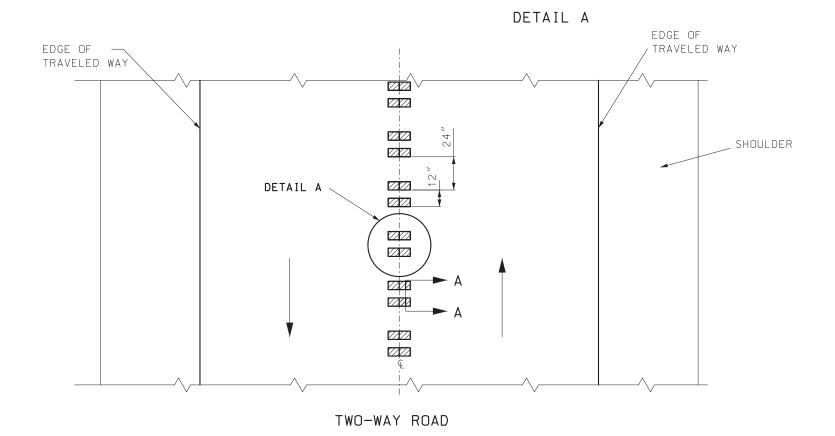
CDOSS SECTION		CONDITION		TDEATMENT		GN	(1) SIGNS SHALL BE SPACED AT APPROXIMATELY ONE-MILE	
CROSS SECTION		DIFFERENTIAL	TIME	TREATMENT	MAINLINE (1)	SIDE ROAD (2)	INTERVALS AND LOCATED WITHIN 150 FT. BEYOND ANY STATE ROADS. WHEN A SIGN PLACED AT THE ONE-MILE	
-0FF	1V:1H SLOPE OR FLATTER — "" " " " " " " " " " " " " " " " " "	PAVEMENT EDGE DIFFERENTIAL		NON-WORKING HOURS	WEDGE SLOPE TO 1V:1H OR FLATTER		NO SIGNS	INTERVAL FALLS WITHIN ½ MILE OF A SIGN PLACED AFTER AN INTERSECTION, THE SIGN PLACED AT THE ONE-MILE INTERVAL MAY BE OMITTED. WHEN SHOULDER DROP-OFF SIGNS WITH UNEVEN LANES ARE BOTH SPECIFIED, ALTERNATING SIGN MESSAGES SHALL BE USED AT ONE-MILE SPACINGS.
		> 2″ TO ≤ 3″	WORKING HOURS	NO EDGE TREATMENT REQUIRED	SHOULDER DROP-OFF W08-17 (3)(4) W08-17p (6)	REQUIRED	(2) ON SIDE ROADS WITH POSTED SPEED OF 45 MPH OR GREATER, SIGNS SHALL BE PLACED 150 FT. IN ADVANCE OF INTERSECTION WITH MAINLINE. (3) SIGNS SHALL BE LOCATED ON THE SIDE OF THE ROADWAY	
	1V:3H SLOPE OR FLATTER	PAVEMENT EDGE DIFFERENTIAL > 3"	NON-WORKING HOURS	WEDGE SLOPE TO 1V:3H OR FLATTER		вимр	WHERE THE PAVEMENT EDGE DIFFERENTIAL EXISTS. (4) SIGNS TO REMAIN VISIBLE UNTIL SHOULDER SHAPING IS COMPLETE. (5) SIGNS SHALL BE LOCATED ON RIGHT SIDE OF NON-	
			WORKING HOURS	DELINEATE DIFFERENTIAL WITH CHANNELIZERS	SHOULDER DROP-OFF WO8-17 (3)(4) WO8-17p (6)) WO8-1 (3) WO8-1 (3	DIVIDED HIGHWAYS AND ON BOTH SIDES OF DIVIDED HIGHWAYS WHERE A LANE LINE DIFFERENTIAL EXISTS. (6) WHEN THE SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER
EDGE DROP-C	** FOR DISTANCES LESS THAN 2', SEE STANDARD PLAN 617.20. *** FOR DISTANCES LESS THAN 3', SEE STANDARD PLAN 617.20.	ANY PAVEMENT EDGE OR LANE LINE DIFFERENTIAL	NON-WORKING AND WORKING HOURS WHERE PLANS REQUIRE ADJACENT LANE CLOSURE WITH CHANNELIZATION OR PARTIAL LANE CLOSURE WITH BARRIER.	NO EDGE TREATMENT REQUIRED	NO SIGNS REQUIRED	NO SIGNS REQUIRED	DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN. GENERAL NOTES: SIGNS SHALL BE VISIBLE TO TRAFFIC ONLY WHEN AND	
FERENTIAL	LANE LINE VI	LANE LINE DIFFERENTIAL ≤ 2″	NON-WORKING AND WORKING HOURS	NO EDGE TREATMENT REQUIRED	UNE VEN LANES W08-11 (5)	NO SIGNS REQUIRED	WHERE CONDITIONS EXIST. FOR ADDITIONAL SIGN SPACING AND DETAILS, SEE STANDARD PLAN 620.10. MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)	
LANE DIFF	1V:3H SLOPE OR FLATTER	LANE LINE	NON-WORKING AND WORKING HOURS WHERE LANES OPEN TO TRAFFIC	WEDGE SLOPE TO 1V:3H OR FLATTER	UNE VEN LANES	BUMP	PAVEMENT EDGE TREATMENT	
		DIFFERENTIAL > 2"	NON-WORKING AND WORKING HOURS WHERE LANE CLOSED TO TRAFFIC	DELINEATE DIFFERENTIAL WITH CHANNELIZERS	WO8-11 (5)	W08-1	Sarah Kleinsahmit 1006/2025 563-30 AM SARAH K REINSCHMIT CIVIL MO-FE-2007020306 SHEET NO.	







* = LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.



GENERAL NOTES:

SEE STANDARD PLAN 620.00 FOR PAVEMENT MARKING.

RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)



RUMBLE STRIPS

CENTERLINE

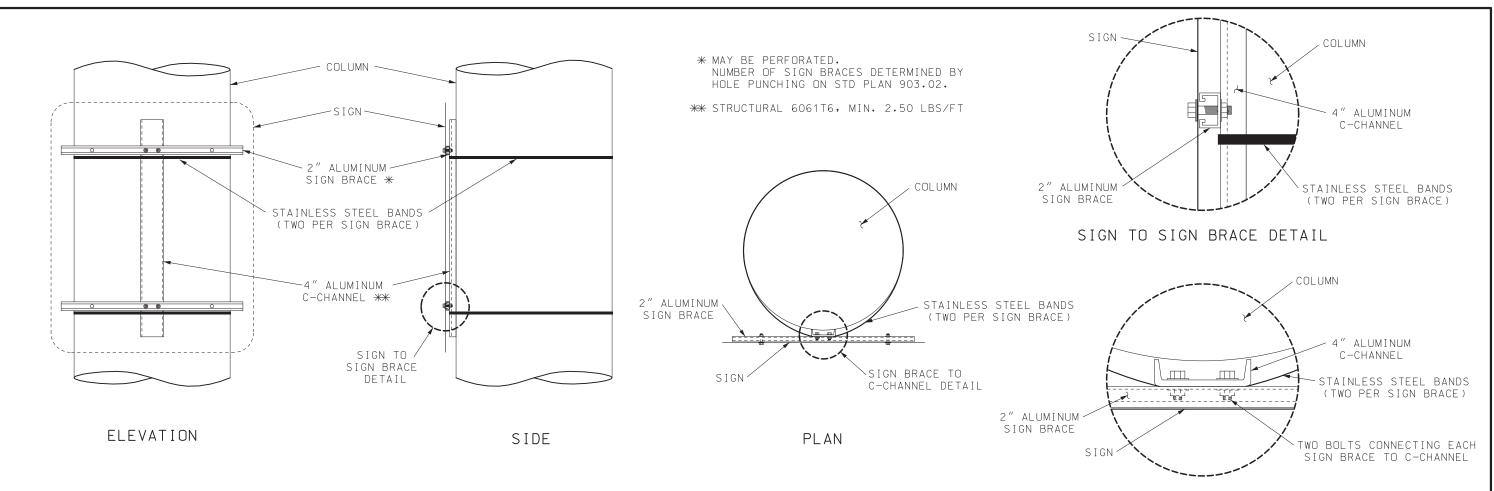
DATE EFFECTIVE:
DATE PREPARED:

10/1/2025 7/2/2025

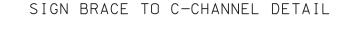
626.00J

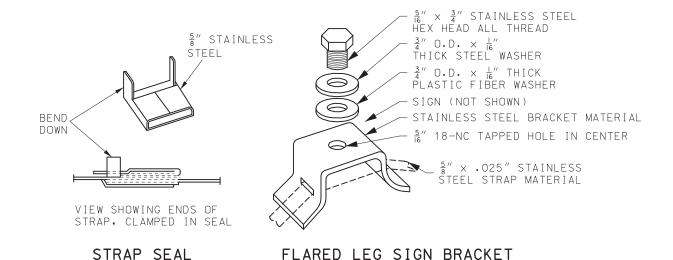
SHEET NO.

2 OF 2



SPECIAL MOUNTING FOR FLAT SHEET ≥ 36" WIDE ON ROUND STRUCTURES LOCATED ON FREEWAYS





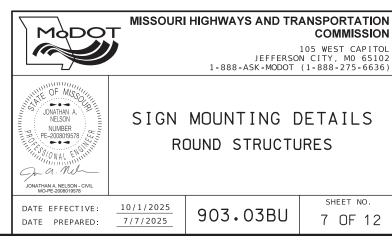
MOUNTING DETAILS FOR FLAT SHEET ON ROUND STRUCTURES

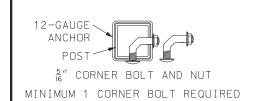
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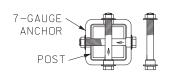
FOR GENERAL NOTES, SEE SHEET 1.

FOR MOUNTING HEIGHT AND OFFSET DETAILS, SEE SHEET 11.

SPECIAL MOUNTING BASED ON SIGN WIDTH IN CONJUNCTION WITH ROADWAY TYPE.





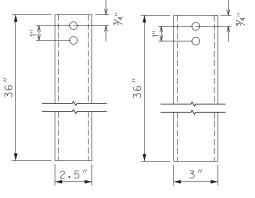


 $\frac{3}{8}'' \times 3.5''$ SHOULDER BOLT AND NUT \$2 SHOULDER BOLTS REQUIRED, INSTALLED PERPENDICULAR TO EACH OTHER

12-GAUGE ANCHOR

7-GAUGE ANCHOR

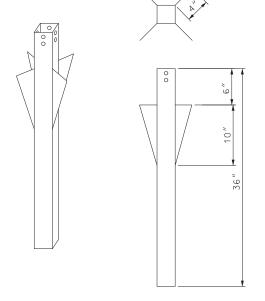
ANCHOR BOLT DETAIL



FOR 2" POST FOR 2.5" POST

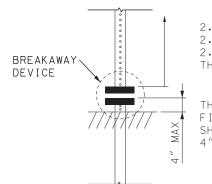
BOLT HOLE DIAMETER - 17/32" 2 PER SIDE ON ALL 4 SIDES

7-GAUGE ANCHOR FABRICATION DETAIL



12-GAUGE (NOT SHOWN) OR 7-GAUGE

OMNIDIRECTIONAL/STABILIZED DRIVEN ANCHOR DETAIL



2.5" + 2.25" POST COMPRISED OF 2.5" PSST WITH 6-FT INSERT OF 2.25" PSST THAT RUNS UP FROM THE BREAKAWAY DEVICE

THE BREAKAWAY DEVICE PORTION FIXED TO THE GROUND ANCHOR SHALL BE NO HIGHER THAN 4" ABOVE THE FINISHED GRADE

BREAKAWAY AND 2.5" + 2.25" POST DETAIL

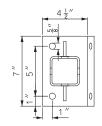
ANCHOR TUBE SHALL BE 7-GAUGE

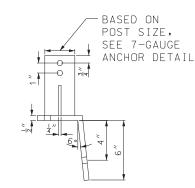
1/2" X 4 1/2"GALVANIZED MECHANICAL FASTENERS SHALL BE USED TO ATTACH ANCHOR TO BARRIER WALL

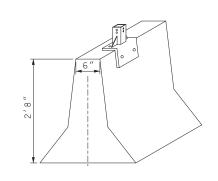
SHOULDER BOLTS SHALL BE USED TO ATTACH PSST POST TO ANCHOR (SEE ANCHOR BOLT DETAIL)

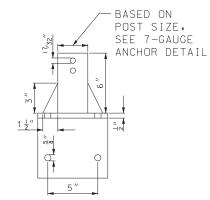
ANCHOR SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER SECTION 1080

FURNISHING AND INSTALLATION
OF BARRIER WALL POST ANCHOR
FOR PSST SHALL BE PAID PER
EACH AS CONCRETE POST ANCHOR



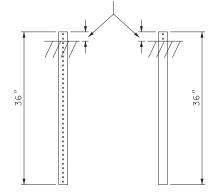






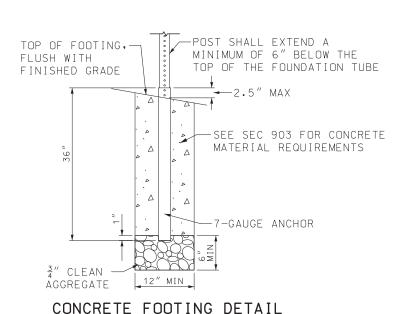
BARRIER WALL MOUNTING DETAIL

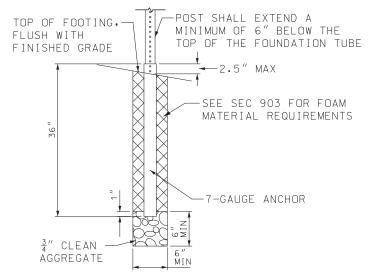
THE ANCHOR SHOULD BE A MAXIMUM OF 2.5" ABOVE THE GROUND LEVEL



12-GAUGE 7-GAUGE

DRIVEN ANCHOR INSTALLATION DETAIL





POLYURETHANE FOAM FOOTING DETAIL

NOTES:

FOR GENERAL NOTES, SEE SHEET 1.

FOR MOUNTING HEIGHT AND OFFSET DETAILS, SEE SHEET 11.

ALL BREAKAWAY DEVICES USED ON AN INSTALLATION SHALL BE CERTIFIED NCHRP 350 COMPLIANT.

MoDOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)



POST INSTALLATION
DETAILS
PERFORATED SQUARE
STEEL TUBE (PSST)

DATE EFFECTIVE:
DATE PREPARED:

10/1/2025 7/7/2025 903.03BU

SHEET NO. 8 OF 12

