MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

EFFECTIVE: 07/01/2025

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION

TABLE OF CONTENTS

STANDARD NO.	DRAWING TITLE	NO. OF SHEETS	EFFECTIVE DATE
203.00E	EXCAVATION AND EMBANKMENT – TYPICAL DETAILS	1	08/01/1998
203.02F	UNDERGRADING – TYPICAL DETAILS	2	01/01/2004
203.10D	TABULATED EARTHWORK AND SECTION DATA	1	02/01/2009
203.20G	SUPERELEVATION, SPIRALS AND WIDENING (UNDIVIDED HIGHWAY)	4	07/01/2017
203.21K	SUPERELEVATION, SPIRALS AND WIDENING (DIVIDED HIGHWAY)	3	07/01/2017
203.22A	SUPERELEVATION, SPIRALS AND WIDENING	2	04/01/2024
203.35A	MAILBOX TURNOUTS	1	08/01/1981
203.40G	TYPICAL DETAILS ON AND OFF RAMP	2	10/01/2007
203.41F	TYPICAL DETAILS ON AND OFF RAMPS (ROADWAY WITH 6:1 FORESLOPE)	2	01/01/1995
203.50N	TYPICAL MEDIAN OPENINGS (DIVIDED HIGHWAYS)	2	04/01/2016
203.61B	DRIVEWAY – TYPE I	1	07/01/2020
203.62E	DRIVEWAY – TYPE II	2	07/01/2020
203.63C	DRIVEWAY – TYPE III	2	07/01/2020
203.64E	DRIVEWAY – TYPE IV	2	07/01/2020
203.65B	DRIVEWAY – TYPE V	1	07/01/2020
204.00D	EMBANKMENT CONTROL – MEASURING DEVICES	1	04/01/1983
204.30	PORE PRESSURE MEASUREMENT DEVICES	1	03/01/1996
401.00C	TYPE A2 AND A3 SHOULDERS, SAFETY EDGE SM	3	07/01/2018
413.20	SCRUB SEAL BROOM CONFIGURATION	1	07/01/2004
502.05S	CONCRETE PAVEMENT AND BASE APPURTENANCES FOR 15 FT. JOINT SPACING	4	04/01/2023
502.10L	DOWEL SUPPORTING UNITS	2	07/01/2023
504.00L	CONCRETE APPROACH PAVEMENT	3	10/01/2022
506.20	BIG BLOCK UNBONDED CONCRETE OVERLAY	1	07/01/2021
602.00D	RIGHT-OF-WAY AND DRAIN MARKERS	2	01/01/2003
604.05D	PIPE CULVERT HEADWALLS – TYPE S	2	08/01/2006
604.10E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 18” CONCRETE PIPE	1	07/01/2001
604.11E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 24” CONCRETE PIPE	1	07/01/2001
604.12E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 30” CONCRETE PIPE	1	07/01/2001
604.13E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 36” CONCRETE PIPE	1	07/01/2001
604.14E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 42” CONCRETE PIPE	1	07/01/2001
604.15E	PIPE CULVERT HEADWALLS - ENERGY DISSIPATOR FOR 48" CONCRETE PIPE	1	07/01/2001
604.29C	DROP INLET - TYPE X	2	04/01/2018
604.30G	CONCRETE MANHOLES	2	02/01/2009
604.40G	PIPE COLLARS	2	07/01/2021
604.70	SLOTTED DRAIN	2	03/01/1994
605.10I	PAVEMENT UNDERDRAINAGE	4	06/01/2013
606.00AY	GUARDRAIL	7	07/01/2025
606.01F	MEDIAN PIER PROTECTION	9	04/01/2021
606.22V	BRIDGE ANCHOR SECTION - SAFETY BARRIER CURB ON BRIDGE	6	07/01/2025
606.23J	BRIDGE ANCHOR SECTION - THRIE BEAM RAIL ON BRIDGE	5	07/01/2016
606.30L	GUARDRAIL - TERMINAL ANCHOR ENDS	7	04/01/2021
606.31B	CRASHWORTHY END TERMINALS - TYPE A - GRADING LIMITS	1	10/01/2019
606.40D	ONE-STRAND ACCESS RESTRAINT CABLE	2	07/01/2004
606.41N	REPAIR ONLY: LOW-TENSION GUARD CABLE	7	07/01/2025
606.42	HIGH-TENSION GUARD CABLE	2	07/01/2024
606.50F	MIDWEST GUARDRAIL SYSTEM (MGS)	9	07/01/2025
606.51	MIDWEST GUARDRAIL SYSTEM (MGS) - MEDIAN PIER PROTECTION	2	04/01/2021
606.60C	MIDWEST GUARDRAIL SYSTEM (MGS) - VERTICAL BARRIER TRANSITIONS	6	07/01/2025
606.61	MIDWEST GUARDRAIL SYSTEM (MGS) - 38-INCH TWO-TUBE RAIL TRANSITIONS	3	04/01/2024
606.70B	MIDWEST GUARDRAIL SYSTEM (MGS) - THRIE BEAM RAIL ON BRIDGE	5	04/01/2018
606.80C	MIDWEST GUARDRAIL SYSTEM (MGS) - TERMINAL ANCHOR ENDS	7	07/01/2021
606.81B	MASH - CRASHWORTHY END TERMINALS - TYPE A - GRADING LIMITS	1	10/01/2019
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	04/01/2024
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
609.00R	CONCRETE CURB, CURB AND GUTTER, AND GUTTER	2	01/01/2025
609.15D	PAVED DITCHES	1	07/01/2016
609.40U	DRAIN BASIN, SHOULDER PAVING AND FILL SLOPES AT BRIDGE ENDS	3	10/01/2023
609.60D	ROCK DITCH LINER	1	07/01/2023
609.70C	ROCK LINING FOR CULVERT OUTLET	1	10/01/1981
611.60R	CONCRETE SLOPE PROTECTION	1	07/01/2015
612.20F	SAND FILLED IMPACT ATTENUATORS	1	04/01/2024
613.00T	PAVEMENT REPAIR	4	01/01/2020
614.10U	GRATES AND BEARING PLATES	1	10/01/2021
614.11D	CURVED VANE GRATE AND FRAME	1	01/01/2021
614.30E	MANHOLE AND FRAME COVERS	2	07/01/1996
616.10BF	TEMPORARY TRAFFIC CONTROL DEVICES	9	07/01/2025
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
619.10J	PAVEMENT EDGE TREATMENT	1	10/01/2017
620.00P	PAVEMENT MARKING	6	07/01/2025
620.10G	TEMPORARY PAVEMENT MARKING	5	07/01/2017
625.00	HOLE PATTERN FOR PAVEMENT SLAB STABILIZATION	1	10/01/1998
626.00H	RUMBLE STRIPS	2	07/01/2022

This document is not compliant with Section 508 of the Rehabilitation Act of 1973. To request this content in an accessible format, please contact the Engineering Policy Services (EPS) Group by email: Engineering.Policy@modot.mo.gov.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

EFFECTIVE: 07/01/2025

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION

TABLE OF CONTENTS

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
703.16	CONCRETE SINGLE BOX CULVERT – CUT SECTIONS	1	01/01/2021
703.17A	CONCRETE SINGLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	14	07/01/2023
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
703.83H	CONCRETE TRIPLE BOX CULVERT – FLARED WINGS (LEFT ADVANCE)	3	01/01/2021
703.84H	CONCRETE TRIPLE BOX CULVERT – STRAIGHT WINGS (RIGHT ADVANCE)	3	01/01/2021
703.85C	CONCRETE TRIPLE BOX CULVERT – FLARED WINGS (RIGHT ADVANCE)	3	01/01/2021
703.86	CONCRETE TRIPLE BOX CULVERT – CUT SECTIONS	1	01/01/2021
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
726.30J	RIGID CULVERT INSTALLATION METHODS	2	04/01/2015
730.00E	THERMOPLASTIC PIPE INSTALLATION METHODS	1	04/01/2015
731.00U	PRECAST MANHOLES	2	07/01/2016
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	3	01/01/2021
733.00	PRECAST CONCRETE BOX CULVERT TIES	1	07/01/2021
805.00A	SEEDING	1	04/01/2024
806.10K	TEMPORARY EROSION CONTROL MEASURES	6	01/01/2023
808.00	TYPICAL PLANTING ILLUSTRATIONS	3	07/01/2004

STANDARD NO.	DRAWING TITLE	NO. OF SHEETS	EFFECTIVE 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	HIGHWAY LIGHTING – CABLE, CONDUIT AND TRENCHING	1	04/01/2002
901.30F	HIGHWAY LIGHTING – BASE MOUNTED CONTROL STATION	2	04/01/2005
901.80D	HIGHWAY LIGHTING – POWER SUPPLY ASSEMBLY – SECONDARY SERVICE	2	04/01/2002
901.85B	HIGHWAY LIGHTING SYMBOLS	1	04/01/2018
902.00Q	TRAFFIC SIGNALS	2	07/01/2023
902.05	TRAFFIC SIGNALS – ACCESSIBLE PEDESTRIAN SIGNALS	2	04/01/2021
902.10Q	TRAFFIC SIGNALS – CONTROLLERS CONDUIT LOCATION	1	04/01/2005
902.15K	TRAFFIC SIGNALS – POWER SUPPLY ASSEMBLY	3	07/01/2004
902.20G	TRAFFIC SIGNALS – CONCRETE PULL BOXES	3	04/01/2019
902.21C	TRAFFIC SIGNALS – TELEPHONE INTERCONNECT	1	03/01/1996
902.30P	TRAFFIC SIGNALS – POST BASES	2	04/01/2024
902.40R	TRAFFIC SIGNALS – TUBULAR STEEL POSTS	3	04/01/2018
902.50M	TRAFFIC SIGNALS – INDUCTION LOOP DETECTORS	2	04/01/2020
902.70Q	TRAFFIC SIGNALS – RIGID SPAN WIRE DETAILS	3	01/01/2022
902.80L	TRAFFIC SIGNALS – TRAFFIC SIGNAL SYMBOLS	1	04/01/2020
903.00	DELINEATORS	5	07/01/2025
903.01J	STANDARD ARROW DETAILS	2	10/01/2016
903.02AQ	HIGHWAY SIGNING	8	01/01/2025
903.03BT	POST INSTALLATION AND SIGN MOUNTING DETAILS	12	07/01/2025
903.04F	HIGHWAY SIGNING – WEIGH STATION	1	02/01/2012
903.05L	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, ONE TUBE	2	10/01/2022
903.06L	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, TWO TUBE	2	10/01/2022
903.07L	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE C	2	10/01/2022
903.08K	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE B	2	10/01/2022
903.10BE	OVERHEAD SIGN TRUSSES – ALUMINUM	6	10/01/2023
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

This document is not compliant with Section 508 of the Rehabilitation Act of 1973. To request this content in an accessible format, please contact the Engineering Policy Services (EPS) Group by email: Engineering.Policy@modot.mo.gov.