

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION
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EFFECTIVE: 01/01/2021

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
203.22	SUPERELEVATION, SPIRALS AND WIDENING	2	07/01/2017
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
401.00B	TYPE A2 AND A3 SHOULDERS, SAFETY EDGE SM	3	04/01/2018
413.20	SCRUB SEAL BROOM CONFIGURATION	1	07/01/2004
502.05P	CONCRETE PAVEMENT AND BASE APPURTENANCES FOR 15 FT. JOINT SPACING *	4	10/01/2020
502.10K	DOWEL SUPPORTING UNITS	2	06/01/2010
504.00K	CONCRETE APPROACH PAVEMENT *	3	10/01/2020
602.00D	RIGHT-OF-WAY AND DRAIN MARKERS	2	01/01/2003
604.05D	PIPE CULVERT HEADWALLS – TYPES 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
604.40F	PIPE COLLARS	2	10/01/2000
604.70	SLOTTED DRAIN	2	03/01/1994
605.10I	PAVEMENT UNDERDRAINAGE	4	06/01/2013
606.00AY	GUARDRAIL	7	01/01/2020
606.01F	MEDIAN PIER PROTECTION	9	08/01/2012
606.22U	BRIDGE ANCHOR SECTION – SAFETY BARRIER CURB ON BRIDGE	6	07/01/2016
606.23J	BRIDGE ANCHOR SECTION - THRIE BEAM RAIL ON BRIDGE	5	07/01/2016
606.30K	GUARDRAIL - TERMINAL ANCHOR ENDS	7	04/01/2017
606.31B	CRASHWORTHY END TERMINALS – TYPE A – GRADING LIMITS	1	10/01/2019
606.40D	ONE-STRAND ACCESS RESTRAINT CABLE	2	07/01/2004
606.41L	THREE-STRAND GUARD CABLE	7	04/01/2019
606.50D	MIDWEST GUARDRAIL SYSTEM (MGS)	8	01/01/2019
606.51	MIDWEST GUARDRAIL SYSTEM (MGS) – MEDIAN PIER PROTECTION	2	04/01/2018

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606.60B	MIDWEST GUARDRAIL SYSTEM (MGS) – VERTICAL BARRIER TRANSITIONS	6	04/01/2020
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	07/01/2017
606.81B	MASH – CRASHWORTHY END TERMINALS – TYPE A – GRADING LIMITS	1	10/01/2019
607.10V	CHAIN-LINK FENCE	1	02/01/2007
607.11H	CHAIN-LINK FENCE FOR RETAINING WALLS	1	06/01/2009
607.20G	WOVEN WIRE FENCE	2	07/01/2016
608.00K	PAVED APPROACHES	2	07/01/2020
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
608.50	CURB RAMPS	4	04/01/2015
609.00P	CONCRETE CURB, CURB AND GUTTER AND GUTTER	2	08/01/2008
609.15D	PAVED DITCHES	1	07/01/2016
609.40S	DRAIN BASIN, SHOULDER PAVING AND FILL SLOPES AT BRIDGE ENDS	3	01/01/2017
609.60C	ROCK DITCH LINER	1	03/01/1993
609.70C	ROCK LINING FOR CULVERT OUTLET	1	10/01/1981
611.60R	CONCRETE SLOPE PROTECTION	1	07/01/2015
612.20E	SAND FILLED IMPACT ATTENUATORS	1	10/01/2018
613.00T	PAVEMENT REPAIR	4	01/01/2020
614.10T	GRATES AND BEARING PLATES	1	12/01/2005
614.11D	CURVED VANE GRATE AND FRAME *	1	01/01/2021
614.30E	MANHOLE AND FRAME COVERS	2	07/01/1996
616.10AW	TEMPORARY TRAFFIC CONTROL DEVICES	9	07/01/2020
617.10M	PERMANENT CONCRETE TRAFFIC BARRIER *	11	10/01/2020
617.20F	TEMPORARY CONCRETE TRAFFIC BARRIER *	8	01/01/2021
619.10J	PAVEMENT EDGE TREATMENT	1	10/01/2017
620.00L	PAVEMENT MARKING	5	10/01/2016
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	04/01/2009

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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
703.17	CONCRETE SINGLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	14	04/01/2011
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 (SQUARE) *	3	01/01/2021
703.41H	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (SQUARE) *	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
703.47	CONCRETE DOUBLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	27	10/01/2011
703.60E	CONCRETE BOX STRUCTURE – PIPE INLET	1	07/01/2001
703.80H	CONCRETE TRIPLE BOX CULVERT – STRAIGHT WINGS (SQUARE) *	3	01/01/2021
703.81H	CONCRETE TRIPLE BOX CULVERT – FLARED WINGS (SQUARE) *	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
703.87	CONCRETE TRIPLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	27	12/01/2011
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
731.10S	PRECAST DROP INLET	8	07/01/2016
732.00S	FLARED END SECTION	3	04/01/2016
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	04/01/2018
806.10J	TEMPORARY EROSION CONTROL MEASURES	6	04/01/2019
808.00	TYPICAL PLANTING ILLUSTRATIONS	3	07/01/2004
901.00AB	HIGHWAY LIGHTING – POLES, FOUNDATION & APPURTENANCES FOR 30' M.H. *	4	01/01/2021
901.01AJ	HIGHWAY LIGHTING – POLES, FOUNDATION & APPURTENANCES FOR 45' M.H. *	6	01/01/2021
901.02B	HIGHWAY LIGHTING – CABLE, CONDUIT AND TRENCHING	1	04/01/2002

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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
902.00P	TRAFFIC SIGNALS	2	04/01/2018
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	10/01/2018
902.40R	TRAFFIC SIGNALS – TUBULAR STEEL POSTS	3	04/01/2018
902.50M	TRAFFIC SIGNALS – INDUCTION LOOP DETECTORS	2	04/01/2020
902.70P	TRAFFIC SIGNALS – RIGID SPAN WIRE DETAILS *	2	01/01/2021
902.80L	TRAFFIC SIGNALS – TRAFFIC SIGNAL SYMBOLS	1	04/01/2020
903.01J	STANDARD ARROW DETAILS	2	10/01/2016
903.02AP	HIGHWAY SIGNING	8	10/01/2019
903.03BN	POST INSTALLATION AND SIGN MOUNTING DETAILS *	16	01/01/2021
903.04F	HIGHWAY SIGNING – WEIGH STATION	1	02/01/2012
903.05K	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, ONE TUBE *	2	01/01/2021
903.06K	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, TWO TUBE *	2	01/01/2021
903.07K	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE C *	2	01/01/2021
903.08J	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE B *	2	01/01/2021
903.10BD	OVERHEAD SIGN TRUSSES – ALUMINUM *	6	01/01/2021
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

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