

A.A.D.T. - 9,000 to 197,000 VPD
FUNCTIONAL CLASSIFICATION - VARIOUS

CONTROLLED ACCESS HIGHWAY

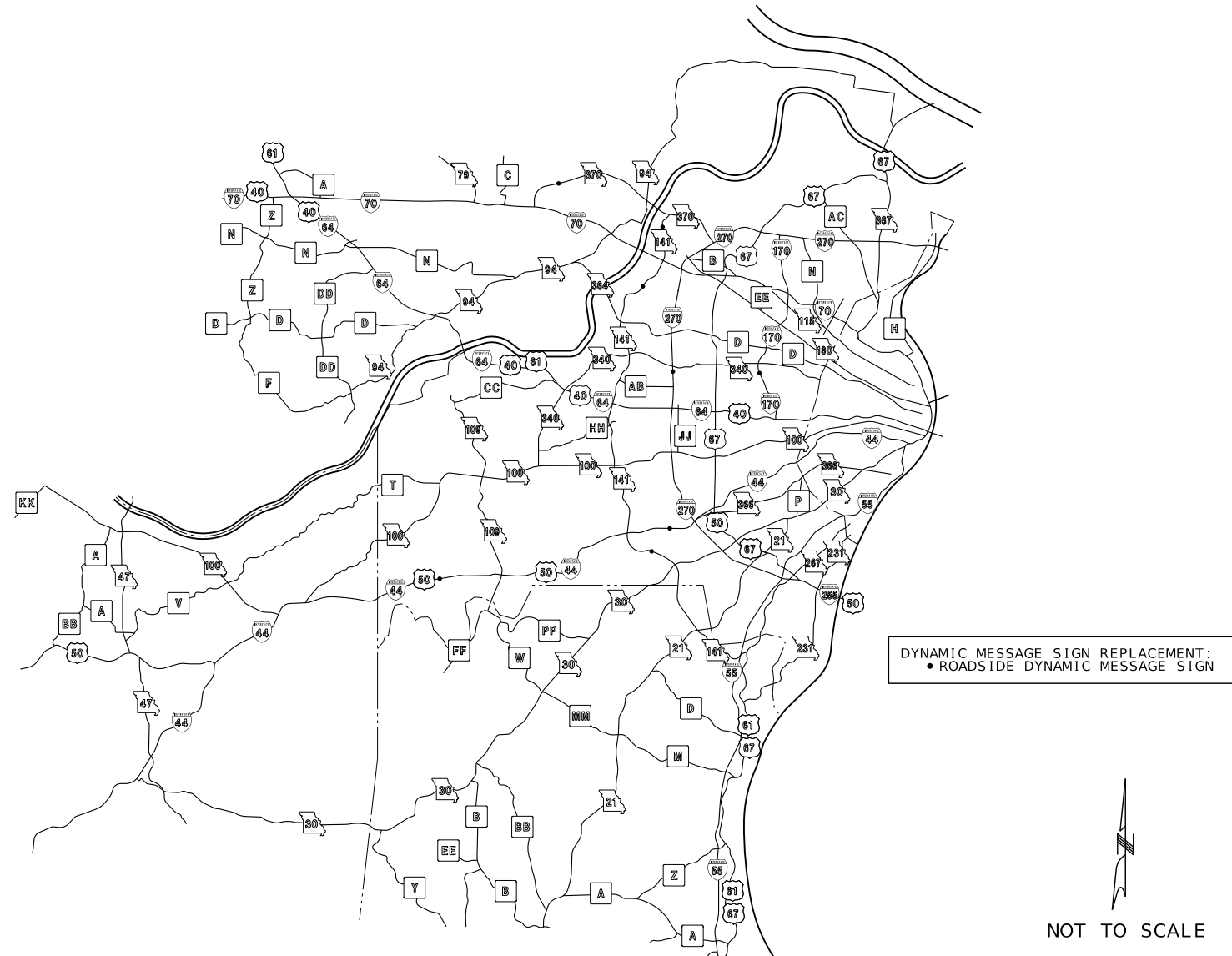
NO NEW RIGHT OF WAY WILL BE ACQUIRED FOR THIS PROJECT

(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

ST. LOUIS COUNTY, ST. LOUIS CITY, ST. CHARLES
COUNTY, JEFFERSON COUNTY, FRANKLIN COUNTY



8 DMS REPLACEMENTS AND 117 ETHERNET SWITCH REPLACEMENTS ALONG MULTIPLE CORRIDORS

- ST. LOUIS COUNTY - 7 DMS / 49 SWITCHES
 - ST. LOUIS CITY - 37 SWITCHES
- ST. CHARLES COUNTY - 1 DMS / 20 SWITCHES
 - JEFFERSON COUNTY - 8 SWITCHES
 - FRANKLIN COUNTY - 3 SWITCHES

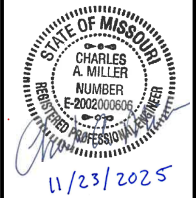
THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY 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.

DESCRIPTION

TITLE SHEET -----	1
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BEGINNING OF PROJECT	N/A
END OF PROJECT	N/A
APPARENT LENGTH	N/A
EQUATIONS AND EXCEPTIONS:	NONE

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0.046 ACRES



DATE PREPARED
11/21/2025

ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 1

COUNTY	VARIOUS
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JOB NO.
JSL0203

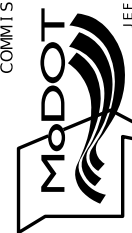
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

INTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

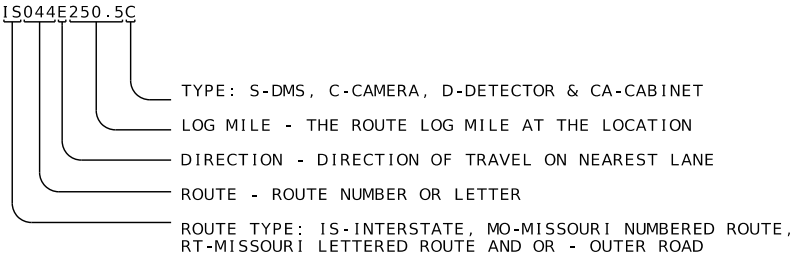
GENERAL NOTES

1. BASELINES SHOWN ON PLANS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.
2. FOR SYSTEM COMMUNICATION REQUIREMENTS, SEE COMMUNICATION PLANS AND SPECIAL PROVISIONS.
3. ALL BRIDGE CONDUIT RUNS SHALL NOT EXCEED 270° OF BENDS. CONDUITS OR OTHER ENTERABLE FITTINGS SHALL BE INCLUDED IN COST OF CONDUIT.
4. CONTRACTOR SHALL MAINTAIN 2' CONDUIT CLEARANCE FROM ALL LANDSCAPED FEATURES EXISTING WITHIN THE RIGHT OF WAY. ANY LANDSCAPING DISTURBED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
5. CONTRACTOR SHALL COORDINATE THEIR ACTIVITIES WITH OTHER CONTRACTORS IN THE AREA.
6. THE MAINTAINING AGENCY IS THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION (MHTC).
7. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO INITIATION OF CONSTRUCTION PER SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT PARTICIPATING IN LOCATION SERVICES.
8. PROPOSED ITS EQUIPMENT LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO REVISING THE LOCATION OF ANY OF THE ITS EQUIPMENT.
9. LOCATION OF ITS EQUIPMENT ON THE PLANS BY THE ENGINEER HAS BEEN PERFORMED WITHOUT FULL CONSIDERATION OF EXISTING UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ANY CONFLICTS WITH EXISTING UTILITIES AT SITES IN THE FIELD PRIOR TO INITIATION OF CONSTRUCTION PER SITE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER UPON DETERMINATION OF ANY UTILITY CONFLICTS.
10. ALL ITS EQUIPMENT CALLED OUT BY PLANS AND SPECIFICATIONS AS "INSTALL" EQUIPMENT, INCLUDING DETECTOR ASSEMBLIES, CCTV ASSEMBLIES, ETHERNET SWITCHES, AND DMS ASSEMBLIES, SHALL INCLUDE ALL TRANSPORTATION, INSTALLATION AND TESTING OF MISSOURI DEPARTMENT OF TRANSPORTATION FURNISHED EQUIPMENT IN ACCORDANCE WITH THE SPECIFICATIONS.
11. ALL TRAFFIC CONTROL PLANS AND LANE CLOSURES SHALL BE PRE-APPROVED BY THE ENGINEER.
12. ALL WORK SHALL INCLUDE THE RESTORATION OF ANY DISTURBED AREAS AS DIRECTED BY THE ENGINEER. ALL GRADING WORK SHALL PROVIDE POSITIVE DRAINAGE.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY EXISTING CONDUIT, CONDUCTORS OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING IMPROVEMENTS NOT SPECIFICALLY IDENTIFIED AS BEING REMOVED OR RELOCATED IN THE PLANS THAT ARE DISTURBED OR OTHERWISE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL COMPENSATION.
14. THE PLANS DEPICT CONDUIT ROUTING IN SCHEMATIC FORM ONLY. THE CONTRACTOR SHALL DETERMINE FINAL ROUTING BASED ON ACTUAL FIELD CONDITIONS PRIOR TO CONSTRUCTION AT EACH SITE, INCLUDING UTILITY LOCATOR SERVICE MARKINGS, TO PREVENT CONFLICTS WITH EXISTING UTILITIES.

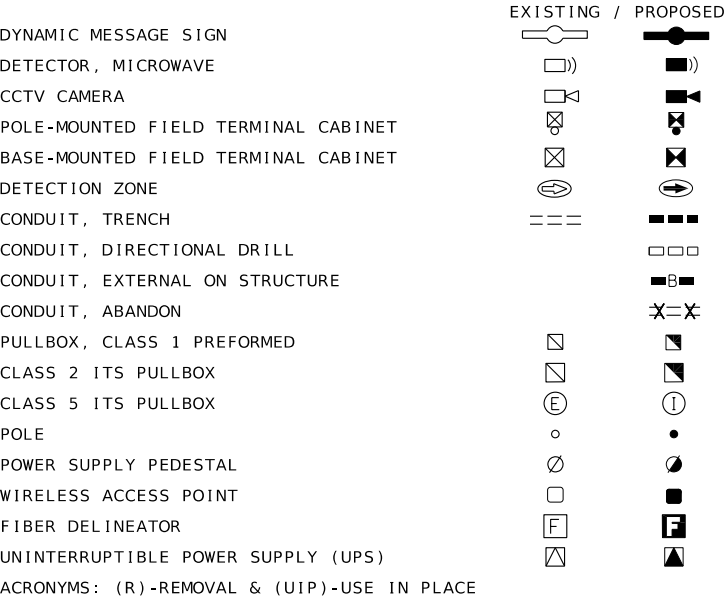
15. ALL CONDUITS SHALL BE NEW. SINGLE CELL CONDUITS ON BRIDGES SHALL BE RIGID GALVANIZED STEEL.
16. PULL ROPES ARE REQUIRED IN ALL EMPTY CONDUIT CELLS. PULL ROPES SHALL BE POLYPROPYLENE WITH A MINIMUM TENSILE STRENGTH OF 600 POUNDS.
17. THE CONTRACTOR SHALL FIELD REVIEW NECESSARY ROUTING, MOUNTING HARDWARE, INCLUDING BRIDGE HANGERS, FITTINGS, EXPANSION JOINTS AND JUNCTION BOXES FOR ALL EXTERNALLY MOUNTED CONDUITS PRIOR TO SUBMITTAL OF BID TO DETERMINE THE TYPES AND EXTENT OF INCIDENTAL ITEMS TO BE INCLUDED IN THE UNIT PRICE OF CONDUIT.
18. THE CONTRACTOR SHALL FIELD REVIEW NECESSARY ROUTING OF CONDUIT AND LOCATION OF PULL BOXES PRIOR TO SUBMITTAL OF BID TO DETERMINE THE TYPES AND EXTENT OF INCIDENTAL REMOVAL, RELOCATION AND REPLACEMENT ITEMS TO BE INCLUDED IN THE UNIT PRICE OF CONDUIT AND PULL BOXES.
19. WARNING TAPE IS REQUIRED IN ALL TRENCHES CONTAINING CONDUIT.
20. JACKETED #14 AWG XHHW-2 SOLID BLUE LOCATOR WIRE SHALL BE PLACED IN ALL UNDERGROUND NON-METALLIC CONDUITS BONDED TO GROUNDING RODS WITHIN A PULL BOX. APPROVED LOCATOR WIRE SHALL BE MOUNTED TO THE SIDE WALL OF EACH PULL BOX.
21. CONTRACTOR MAY BORE OR HORIZONTALLY DRILL WHEREVER TRENCHING IS SHOWN AT THE CONTRACTOR'S EXPENSE.
22. GROUND CONDUCTOR SHALL BE 1/C #6 UNLESS OTHERWISE NOTED ON THE PLANS.
23. EXPANSION FITTING SHALL BE PROVIDED WHEN CONDUIT PASSES ACROSS EXISTING EXPANSION DEVICES AND FILLED JOINTS ON BRIDGES INCLUDING FILLED JOINTS IN SAFETY BARRIER CURBS. THE DISTANCE BETWEEN EXPANSION FITTINGS SHALL NOT BE GREATER THAN 150 FEET. EXPANSION FITTINGS ON CONDUIT SHALL PROVIDE A MINIMUM MOVEMENT IN EITHER DIRECTION OF 4" AT OPEN JOINTS, BETWEEN ABUTMENT AND SUPER-STRUCTURES ENCOUNTERED AFTER RISING OUT OF THE GROUND AND 2" AT FILLED JOINTS. EXPANSION FITTINGS SHALL BE PROVIDED WITH A 2' BONDING JUMPER AROUND FITTING. BONDING JUMPER SHALL BE COMPATIBLE WITH CONDUIT MATERIAL. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED IN LOCATIONS WHERE CONDUIT CROSSES OVER BRIDGE SUPERSTRUCTURE, SUBSTRUCTURE OR SIGN STRUCTURES, OR AS OTHERWISE SHOWN IN THE PLANS.
24. THE GALVANIZED CONE EXPANSION ANCHOR SYSTEM SHALL BE USED FOR ATTACHING CONDUIT SUPPORTS AND JUNCTION BOXES TO STRUCTURAL CONCRETE.
25. ALL GROUNDING SYSTEMS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
26. SLACK FIBER OPTIC CABLE SHALL BE STORED ACCORDING TO THE SPECIAL PROVISIONS. 20' OF SLACK FIBER OPTIC CABLE SHALL BE STORED IN EVERY PULL BOX. FOR EACH FIBER OPTIC CABLE THAT ENTERS A PULL BOX ADJACENT TO A CABINET, 60' OF SLACK CABLE SHALL BE STORED.
27. THE LOG MILE SYSTEM USED FOR THE NAMING CONVENTION OF THE DEVICES REFLECTS THE WEST TO EAST AND NORTH TO SOUTH CONTINUOUS LOG CONVENTION USED FOR THE INTERSTATE SYSTEM, BEGINNING WITH 0 AT THE WEST AND SOUTH ENDS OF A ROUTE.
28. THE CONTRACTOR SHALL MAINTAIN POWER AND COMMUNICATIONS TO EXISTING ITS DEVICES. THE ONLY EXCEPTION SHALL BE WHEN THE CONTRACTOR IS REPLACING A DMS, MODIFYING ELECTRICAL CIRCUITS OR MODIFYING FIBER OPTIC NETWORK CONNECTIONS. NOTIFY THE ENGINEER AT LEAST 7 DAYS BEFORE EXISTING DMS ARE TAKEN OUT OF SERVICE.

29. TRENCH EXCAVATION AND DIRECTIONAL DRILLING REQUIRED FOR THE INSTALLATION OF CONDUITS SHALL INCLUDE THE RESTORATION OF THE AREA IN ACCORDANCE WITH THE SPECIFICATIONS. THE RESTORATION SHALL INCLUDE FENCE REMOVAL AND REPLACEMENT, SIGN RELOCATION, UNDERDRAINS, AND RIPRAP OR OTHER EXISTING SLOPE PROTECTION APPURTENANCE.
30. TREES AND SHRUBS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE ENGINEER.
31. ALL ELECTRICAL CABLES IN PULL BOXES AND EQUIPMENT CABINETS SHALL BE PROVIDED WITH INDIVIDUAL BRASS TAGS, DIE STAMPED WITH PHASE AND CIRCUIT IDENTIFICATIONS.
32. ALL ELECTRICAL SERVICE CABLES SHALL BE XLPE/USE-2.

LOG MILE ID



LEGEND



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GENERAL NOTES
AND LEGEND

SHEET 1 OF 1

DATE PREPARED
11/21/2025

ROUTE
VAR

STATE
MO

DISTRICT
SL

SHEET NO.
2

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

002_GN_JSL0203_GENERAL_NOTES_i01.dgn 3:50:33 PM 11/21/2025

MOBILIZATION
MOBILIZATION - 1.0 LUMP SUM

DMS TRAINING
DMS TRAINING - 1.0 LUMP SUM

ITS ASSET MANAGEMENT TOOL
ITS ASSET MANAGEMENT TOOL - 1.0 LUMP SUM

DYNAMIC MESSAGE SIGNS (DMS)										
SHEET NUMBER	DEVICE ID	STATION	ALIGNMENT	OFFSET	FREEWAY DYNAMIC MESSAGE SIGN REPLACEMENT (EA)	ARTERIAL DYNAMIC MESSAGE SIGN REPLACEMENT (EA)	SIGN STRUCTURE BASE MESH (EA)	SALVAGE EXISTING SIGN COMPONENTS (EA)	SIGN STRUCTURE INSPECTION (EA)	NOTES
5	IS044E260.05	86+84	I-44	70' R	1			1		POLE MOUNTED CABINET, REPLACE WITH GROUND MOUNTED CABINET.
6	IS044W275.15	903+38	I-44	78' L	1		1	1		POLE MOUNTED CABINET, REPLACE WITH GROUND MOUNTED CABINET.
7	IS170S002.75	527+00	I-170	60' R	1		1	1		
8	IS270S014.25	322+92	I-270	83' R	1		1	1		NO CABINET, ADD GROUND MOUNTED CABINET.
9	MO141N002.05	125+74	ROUTE 141	41' L		1		1	1	POLE MOUNTED CABINET, REPLACE WITH GROUND MOUNTED CABINET.
10	MO141N004.65	269+41	ROUTE 141	72' L		1		1	1	POLE MOUNTED CABINET, REPLACE WITH GROUND MOUNTED CABINET.
11	MO141N021.95	129+39	ROUTE 141	74' L		1		1	1	
12	MO370E001.85	180+81	ROUTE 370	64' R	1		1	1		
PAY TOTAL					5	3	4	8	3	

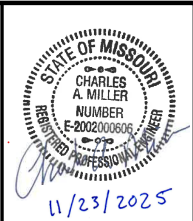
CABINETS									
SHEET NUMBER	DEVICE ID	STATION	ALIGNMENT	OFFSET	MODIFIED TYPE 7 CABINET (EA)	BASE, CONCRETE (CU. YD.)	REPLACE MAINTENANCE PAD (CU. YD.)	120-VOLT POWER STRIP	NOTES
5	IS044E260.0CA	86+64	I-44	64' R	1	1.45		1	NEW CABINET AND BASE
6	IS044W275.1CA	903+24	I-44	72' L	1	1.45		1	NEW CABINET AND BASE
8	IS270S014.2CA	323+06	I-270	90' R	1	1.45		1	NEW CABINET AND BASE
9	MO141N002.0CA	125+94	ROUTE 141	35' L	1	1.45		1	NEW CABINET AND BASE
10	MO141N004.6CA	269+51	ROUTE 141	67' L	1	1.45		1	NEW CABINET AND BASE
11	MO141N021.9CA	129+59	ROUTE 141	78' L			0.26		EX. CABINET REPLACE MAINTENANCE PAD
SUB TOTAL					5	7.25	0.26	5	
PAY TOTAL					5	8.0	1.0	*	

*NO DIRECT PAY. PAYMENT TO BE INCLUDED AS PART OF MODIFIED TYPE 7 CABINET.

PULL BOXES								
SHEET NUMBER	PULL BOX ID	STA.	ALIGNMENT	OFFSET	INSTALL CONDUIT INTO EXISTING PULL BOX (EA)	ITS PULL BOX WITH CONCRETE PAD, PREFORMED CLASS 2 (EA)	INTERCEPT CONDUIT WITH PULL BOX (EA)	REPLACE PULL BOX CONCRETE PAD (CU. YD.)
5	IPB215	86+73	I-44	76' R	1			
5	EPB124	86+69	I-44	70' R	1			
6	IPB158	903+25	I-44	71' L	1			
6	EPB138	903+13	I-44	79' L	1			
8	IPB191	322+16	I-270	82' R	2			
9	IPB423	126+09	ROUTE 141	40' L	1			
9	EPB203	126+05	ROUTE 141	46' L	1			
10	IPB441	269+60	ROUTE 141	73' L	1			
10	EPB206	269+48	ROUTE 141	79' L		1	1	
11	IPB120	129+78	ROUTE 141	85' L				0.4
PAY TOTAL					9	1	1	1.0

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QUANTITY SHEET



DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

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CONDUIT				
SHEET NUMBER	FROM	TO	CTR TO CTR DISTANCE (LF)	CONDUIT RIGID IN TRENCH (LF)
				3 IN. PVC
5	IS044E260.0CA	IPB215	21	26
5	IS044E260.0CA	EPB124	15	20
6	IS044W275.1CA	IPB158	14	19
6	IS044W275.1CA	EPB138	7	12
8	IS270S014.2CA	IPB191	17	44
9	MO141N002.0CA	IPB423	16	21
9	MO141N002.0CA	EPB203	14	19
10	MO141N004.6CA	IPB441	13	18
10	MO141N004.6CA	EPB207	16	21
PAY TOTAL				200

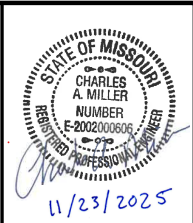
DMS CONTROL CABLE					
SHEET NUMBER	FROM	TO	CTR TO CTR DISTANCE (LF)	DMS CONTROL CABLE (LF)	NOTES
5	IS044E260.0CA	IS044E260.0S	36	140	
6	IS044W275.1CA	IS044W275.1S	28	130	
7	IS170S002.7CA	IS170S002.7S	9	107	
8	IS270S014.2CA	IS270S014.2S	42	147	
9	MO141N002.0CA	MO141N002.0S	50	156	
10	MO141N004.6CA	MO141N004.6S	33	136	
11	MO141N021.9CA	MO141N021.9S	21	122	
12	MO370E001.8CA	MO370E001.8S	21	122	
PAY TOTAL				1060	

REMOVAL AND REINSTALL CABLE						
SHEET NUMBER	FROM	TO	CTR TO CTR DISTANCE (LF)	REMOVE AND REINSTALL FO CABLE (LF)	REMOVE AND REINSTALL POWER CABLES (LF)	NOTES
5	IS044E260.0CA	EPB124	14		53	
5	IS044E260.0CA	IPB215	21	62		
6	IS044W275.1CA	IPB158	14	53		
6	IS044W275.1CA	EPB138	7		45	
8	IS270S014.2CA	IPB191	17		57	
8	IS270S014.2CA	IPB191	17	57		
9	MO141N002.0CA	IPB423	16	56		
9	MO141N002.0CA	EPB203	13		52	
10	MO141N004.6CA	IPB441	13	52		
10	MO141N004.6CA	EPB206	16		56	
PAY TOTAL				280	263	

POWER CABLE						
SHEET NUMBER	FROM	TO	CTR TO CTR DISTANCE (LF)	CABLE (LF)	CABLE (LF)	NOTES
				POWER	BARE GROUND	
				1-1/C #2 AWG	1-1/C #2 AWG	
5	IS044E260.0CA	IS044E260.0S	30	216	72	
6	IS044W275.1CA	IS044W275.1S	31	220	74	
8	IS270S014.2CA	IS270S014.2S	42	260	87	
9	MO141N002.0CA	MO141N002.0S	45	270	90	
10	MO141N004.6CA	MO141N004.6S	26	202	68	
SUB TOTAL				1168	391	
PAY TOTAL				1170	400	

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QUANTITY SHEET



DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JSL0203	
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PROJECT NO.	
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DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
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FIBER OPTIC TERMINATION								
SHEET NUMBER	DEVICE ID	STATION	ALIGNMENT	OFFSET	FIBER OPTIC FUSION SPLICE (EA)	FIBER OPTIC PIGTAIL SM (EA)	FIBER OPTIC JUMPER SM (EA)	RACK - MOUNTED INTERCONNECT CENTER (EA)
18	IS044E260.0CA	86+64	I - 44	64' R	26	4	4	1
19	IS044W275.1CA	903+24	I - 44	72' R	26	4	4	1
20	IS270S014.2CA	323+06	I - 270	90' R	4	4	4	1
21	MO141N002.0CA	125+94	ROUTE 141	35' L	26	4	4	1
22	MO141N004.6CA	269+51	ROUTE 141	67' L	4	4	4	1
SUB TOTAL					86	20	20	5
PAY TOTAL					86	20	*	5

*SEE QUANTITY SUMMARY SHEET 5 OF 6 FOR PAY TOTAL

COMMUNICATIONS NETWORK CONNECTIONS								
SHEET NUMBER	DEVICE ID	STATION	ALIGNMENT	OFFSET	INSTALL COMMUNICATION EQUIPMENT (EA)	RELOCATE EXISTING COMMUNICATION EQUIPMENT (EA)	* INSTALL ETHERNET SWITCH (EA)	INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP (EA)
5	IS044E260.0S	86+84	I - 44	70' R		1		
6	IS044W275.1S	903+38	I - 44	78' R		1		1
7	IS170S002.7S	527+00	I - 170	60' R				
8	IS270S014.2S	322+92	I - 270	83' R	1		1	1
9	MO141N002.0S	125+74	ROUTE 141	41' L	1		1	1
10	MO141N004.6S	269+41	ROUTE 141	72' L	1		1	1
11	MO141N021.9S	129+39	ROUTE 141	74' L	1		1	1
12	MO370E001.8S	180+81	ROUTE 370	64' R	1		1	1
SUB TOTAL					5	2	5	6
PAY TOTAL					5	2	*	#

* SWITCH IS COMMISSION-FURNISHED AND INSTALLATION IS COVERED BY PAY ITEM "INSTALL COMMUNICATION EQUIPMENT".

SEE QUANTITY SUMMARY SHEET 5 OF 6 FOR PAY TOTAL

COMMISSION FURNISHED EQUIPMENT (INFORMATION ONLY)							
SHEET NUMBER	DEVICE ID	STATION	ALIGNMENT	OFFSET	* ETHERNET SWITCH (EA)	# ETHERNET SWITCH EXPANSION MODULE (EA)	# INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP (EA)
6	IS044W275.1S	903+38	I - 44	78' L			1
8	IS270S014.2S	322+92	I - 270	83' R	1		1
9	MO141N002.0S	125+74	ROUTE 141	41' L	1		1
10	MO141N004.6S	269+41	ROUTE 141	72' L	1		1
11	MO141N021.9S	129+39	ROUTE 141	74' L	1		1
12	MO370E001.8S	180+81	ROUTE 370	64' R	1		1
13-14	VARIOUS	N/A	VARIOUS	N/A	117	10	43
SUB TOTAL					122	10	49

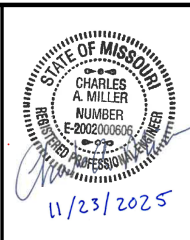
* INSTALLATION OF THIS EQUIPMENT IS COVERED BY PAY ITEM "INSTALL COMMUNICATION EQUIPMENT" OR "ETHERNET SWITCH REPLACEMENT".

INSTALLATION OF THIS EQUIPMENT IS COVERED BY PAY ITEM "EXPANSION MODULE REPLACEMENT".

% INSTALLATION OF THIS EQUIPMENT IS COVERED BY PAY ITEM "INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP".

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QUANTITY SHEET



DATE PREPARED 11/23/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

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ETHERNET SWITCH REPLACEMENTS							
ROADWAY	LOG MILE	LOCATION	COUNTY	ETHERNET SWITCH REPLACEMENT (EA)	EXPANSION MODULE REPLACEMENT (EA)	FIBER OPTIC JUMPER SM (EA)	INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP (EA)
I-44	IS044E225.9Z	I-44 @ 185/AF EB RAMPS	FRANKLIN	1		4	
I-44	IS044W225.9Z	I-44 @ 185/AF WB RAMPS	FRANKLIN	1		4	
I-44	IS044W257.9C	I-44 E OF PACIFIC-VIADUCT	FRANKLIN	1		4	
I-55	IS055S184.4C	I-55 S OF M	JEFFERSON	1		4	
I-55	IS055S184.6S	I-55 S OF M	JEFFERSON	1		4	1
I-55	IS055S185.6C	I-55 @ M	JEFFERSON	1		4	
I-55	IS055S185.6Z	I-55 SB AT RTE M SIGNAL	JEFFERSON	1		4	
I-55	IS055S187.3Z	I-55 SB RAMP @ IMPERIAL MAIN	JEFFERSON	1		4	1
I-55	IS055S190.7C	I-55 @ RICHARDSON	JEFFERSON	1		4	
I-55	IS055S190.7Z	I-55 @ RICHARDSON-VOGEL	JEFFERSON	1		4	1
I-55	IS055S192.6Z	I-55 @ 141	JEFFERSON	1	1	6	1
I-64	IS064E001.6C	I-64 E of PROSPECT	ST. CHARLES	1		4	
I-64	IS064E002.9C	I-64 @ LAKE ST LOUIS	ST. CHARLES	1		4	
I-64	IS064E002.9Z	I-64 @ LAKE ST LOUIS EB RAMPS	ST. CHARLES	1		4	1
I-64	IS064E003.0S	I-64 @ LAKE ST LOUIS	ST. CHARLES	1		4	1
I-64	IS064E004.1C	I-64 @ N	ST. CHARLES	1		4	
I-64	IS064E007.7C	I-64 W OF K	ST. CHARLES	1		4	
I-64	IS064E008.9C	I-64 W OF K	ST. CHARLES	1		4	
I-64	IS064E009.1Z	I-64 @ K EB RAMP	ST. CHARLES	1		4	1
I-64	IS064E010.2C	I-64 @ K SWQ	ST. CHARLES	1		4	
I-64	IS064W000.8C	I-64 E/O I-70 CCTV	ST. CHARLES	1		4	
I-64	IS064W001.8S	I-64 E OF PROSPECT	ST. CHARLES	1		4	1
I-64	IS064W002.9Z	I-64 @ LAKE ST LOUIS WB RAMPS	ST. CHARLES	1		4	1
I-64	IS064W005.5S	I-64 W OF DD	ST. CHARLES	1		4	1
I-64	IS064W006.1C	I-64 @ DD	ST. CHARLES	1		4	
I-64	IS064W009.1Z	I-64 @ K	ST. CHARLES	1	1	6	1
I-64	IS064W009.9Z	I-64 @ 94 WB RAMP	ST. CHARLES	1		4	1
I-64	IS064W011.0C	I-64 @ 94	ST. CHARLES	1	1	6	
I-64	IS064W011.7Z	I-64 @ VERIZON	ST. CHARLES	1		4	
I-64	IS064W012.6S	I-64 W OF MO RIVER	ST. CHARLES	1		4	1
I-64	IS064W012.7C	I-64 W OF MISSOURI RIVER	ST. CHARLES	1		4	
I-64	IS064E013.6C	I-64 @ SPIRIT OF ST LOUIS BLVD	ST. LOUIS	1		4	
I-64	IS064E016.8S	I-64 E OF BOONES CROSSING	ST. LOUIS	1		4	
I-64	IS064E017.0bZ	I-64 @ BOONES CROSSING EB RAMP	ST. LOUIS	1		4	
I-64	IS064E017.0cZ	I-64 NOR @ BOONES CROSSING	ST. LOUIS	1		4	1
I-64	IS064E018.8C	I-64 @ 340	ST. LOUIS	1		4	
I-64	IS064E018.9Z	I-64 @ 340	ST. LOUIS	1	1	6	
I-64	IS064E019.2C	I-64 @ CHESTERFIELD PKWY WEST	ST. LOUIS	1		4	
I-64	IS064E020.0C	I-64 W OF TIMBERLAKE	ST. LOUIS	1		4	
I-64	IS064E020.5S	I-64 E of CHESTERFIELD PKWY E	ST. LOUIS	1		4	1
I-64	IS064E022.8C	I-64 @ 141 SEQ	ST. LOUIS	1		4	
I-64	IS064E024.2C	I-64 @ MASON	ST. LOUIS	1		4	
I-64	IS064E024.2Z	I-64 @ MASON EB RAMP	ST. LOUIS	1		4	1
I-64	IS064E025.2C	I-64 W OF I-270	ST. LOUIS	1		4	
I-64	IS064E027.0S	I-64 E OF BALLAS	ST. LOUIS	1		4	
I-64	IS064E028.2C	I-64 @ LINDBERGH	ST. LOUIS	1		4	
I-64	IS064E028.2Z	I-64 @ 67	ST. LOUIS	1		4	1
I-64	IS064E029.8C	I-64 E OF CLAYTON	ST. LOUIS	1		4	
I-64	IS064E030.1S	I-64 W OF MCKNIGHT	ST. LOUIS	1		4	1
I-64	IS064E031.6C	I-64 E OF BRENTWOOD	ST. LOUIS	1		4	
I-64	IS064E032.2C	I-64 E OF HANLEY	ST. LOUIS	1		4	
I-64	IS064E033.4Z	I-64 @ BELLEVUE SB RAMP	ST. LOUIS	1		4	
I-64	IS064E033.5C	I-64 @ BELLEVUE	ST. LOUIS	1		4	
I-64	IS064W016.1C	I-64 @ BOONES CROSSING	ST. LOUIS	1		4	
I-64	IS064W016.2C	I-64 @ LONG	ST. LOUIS	1	1	6	
I-64	IS064W016.2S	I-64 @ LONG	ST. LOUIS	1		4	1
I-64	IS064W017.0aZ	I-64 WB @ BOONES CROSSING	ST. LOUIS	1	1	6	
I-64	IS064W018.9Z	I-64 @ 340 WB RAMPS	ST. LOUIS	1		4	
I-64	IS064E021.4Z	I-64 @ TIMBERLAKE SOR	ST. LOUIS	1		4	1
I-64	IS064W021.4Z	I-64 @ TIMBERLAKE NOR	ST. LOUIS	1		4	1
I-64	IS064W021.9C	I-64 @ 141	ST. LOUIS	1		4	1
I-64	IS064W023.2Z	I-64 @ MARYVILLE NOR	ST. LOUIS	1		4	1
I-64	IS064W024.2Z	I-64 @ MASON WB RAMP	ST. LOUIS	1		4	1
I-64	IS064W024.2Z	I-64 @ MASON NOR	ST. LOUIS	1		4	1
I-64	IS064W026.2C	I-64 E OF BALLAS	ST. LOUIS	1		4	
I-64	IS064W027.3S	I-64 W OF SPOEDE	ST. LOUIS	1		4	1

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QUANTITY SHEET



11/23/2025

DATE PREPARED
11/21/2025

ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 3

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE						
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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CERTIFICATE OF AUTHORITY
NO. 001270

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REV.

ETHERNET SWITCH REPLACEMENTS

ROADWAY	LOG MILE	LOCATION	COUNTY	ETHERNET SWITCH REPLACEMENT (EA)	EXPANSION MODULE REPLACEMENT (EA)	FIBER OPTIC JUMPER SM (EA)	INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP (EA)
I-64	IS064W028.9C	I-64 @ CLAYTON	ST. LOUIS	1		4	
I-64	IS064W028.9Z	I-64 @ CLAYTON	ST. LOUIS	1		4	1
I-64	IS064W029.5S	I-64 E OF CLAYTON	ST. LOUIS	1		4	1
I-64	IS064W030.5Z	I-64 @ MCKNIGHT	ST. LOUIS	1		4	1
I-64	IS064W031.7C	I-64 @ I-170	ST. LOUIS	1		4	
I-64	IS064W031.8C	I-64 @ I-170	ST. LOUIS	1		4	
I-64	IS064W032.6S	I-64 E OF BOLAND	ST. LOUIS	1		4	1
I-64	IS064W033.0C	I-64 W OF BIG BEND	ST. LOUIS	1		4	
I-55	IS055S200.8C	I-55 @ UNION	ST. LOUIS	1		4	
I-55	IS055S201.5C	I-55 @ BAYLESS	ST. LOUIS	1		4	
I-55	IS055S201.6Z	I-55 @ BAYLESS	ST. LOUIS	1		4	
I-55	IS055S201.8C	I-55 @ WEBER	ST. LOUIS	1		4	
I-55	IS055S193.6S	I-55 S OF MERAMEC BOTTOM	ST. LOUIS	1		4	1
I-55	IS055S194.3C	I-55 N OF MERAMEC BOTTOM	ST. LOUIS	1		4	
I-55	IS055S208.5S	I-44/55 @ 7TH	ST. LOUIS CITY	1	1	6	
I-44	IS044W292.2C	MEMORIAL @ WASHINGTON	ST. LOUIS CITY	1		4	
I-64	IS064E033.7Z	I-64 @ MCCAUSLAND EB RAMPS	ST. LOUIS CITY	1	1	6	1
I-64	IS064E034.0S	I-64 E OF MCCAUSLAND	ST. LOUIS CITY	1		4	1
I-64	IS064E034.8Z	I-64 @ HAMPTON	ST. LOUIS CITY	1	1	6	1
I-64	IS064E034.9C	I-64 @ HAMPTON	ST. LOUIS CITY	1		4	1
I-64	IS064E034.9Z	I-64 @ OAKLAND-OAKVIEW	ST. LOUIS CITY	1		4	1
I-64	IS064E035.8C	I-64 W of KINGSHIGHWAY	ST. LOUIS CITY	1		4	
I-64	IS064E036.7C	I-64 @ TOWER GROVE	ST. LOUIS CITY	1		4	
I-64	IS064E037.2C	I-64 @ COMPTON	ST. LOUIS CITY	1		4	
I-64	IS064E038.5aC	I-64 @ 14TH	ST. LOUIS CITY	1		4	
I-64	IS064E038.7C1	I-64 @ 15TH	ST. LOUIS CITY	1		4	
I-64	IS064W033.7Z	I-64 @ MCCAUSLAND WB RAMPS	ST. LOUIS CITY	1		4	
I-64	IS064W034.1C	I-64 @ OAKLAND	ST. LOUIS CITY	1		4	
I-64	IS064W035.9Z	I-64 @ KINGSHIGHWAY	ST. LOUIS CITY	1		4	1
I-64	IS064W036.1C	I-64 @ KINGSHIGHWAY	ST. LOUIS CITY	1		4	
I-64	IS064W036.5C	I-64 @ VANDEVENTER	ST. LOUIS CITY	1		4	
I-64	IS064E036.5Z	I-64 @ VANDEVENTER-PAPIN	ST. LOUIS CITY	1		4	1
I-64	IS064W036.9C	I-64 @ GRAND	ST. LOUIS CITY	1		4	
I-64	IS064W037.0S	I-64 @ SARAH	ST. LOUIS CITY	1	1	6	1
I-64	IS064W037.8Z	I-64 @ JEFFERSON	ST. LOUIS CITY	1		4	1
I-64	IS064W038.0C	I-64 @ JEFFERSON	ST. LOUIS CITY	1		4	
I-64	IS064W039.0S	I-64 E of 22ND ST.	ST. LOUIS CITY	1		4	
I-64	IS064W040.3C	I-64 E of 6TH	ST. LOUIS CITY	1		4	
I-55	IS055S202.7C	I-55 @ CARONDELET	ST. LOUIS CITY	1		4	
I-55	IS055S203.5C	I-55 @ LOUGHBOROUGH	ST. LOUIS CITY	1		4	
I-55	IS055S204.6C	I-55 S of BROADWAY	ST. LOUIS CITY	1		4	
I-55	IS055S205.8C	I-55 S of GASCONADE	ST. LOUIS CITY	1		4	
I-55	IS055S206.4S	I-55 S of POTOMAC	ST. LOUIS CITY	1		4	
I-55	IS055S207.4Z	I-55 @ ARSENAL	ST. LOUIS CITY	1		4	1
I-55	IS055S207.4C	I-55 @ ARSENAL	ST. LOUIS CITY	1		4	
I-55	IS055S208.2C	I-55 @ 30-RUSSELL	ST. LOUIS CITY	1		4	
I-55	IS055S208.3C	I-55 @ LAFAYETTE	ST. LOUIS CITY	1		4	
I-55	IS055S208.5Z	I-55 @ 7TH	ST. LOUIS CITY	1		4	1
I-64	IS064E039.1C	I-64 @ 20TH	ST. LOUIS CITY	1		4	
I-64	IS064E039.2C	I-64 W of 7TH	ST. LOUIS CITY	1		4	
I-64	IS064E040.1Z	I-64 @ 6TH	ST. LOUIS CITY	1		4	1
SUB TOTALS FOR QUANTITY SHEET 3 OF 6						20	6
PAY TOTAL				117	10	508	49

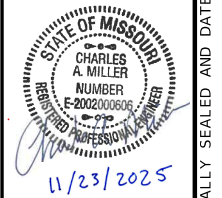
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QUANTITY SHEET

SHEET 5 OF 6

003_QU_05_JSL0203_QUANTITY_SHEETS_i01.dgn 3:51:20 PM 11/21/2025



DATE PREPARED		EEN ELECTRONIC
11/21/2025		
ROUTE	STATE	
VAR	MO	
DISTRICT	SHEET NO.	
SL	3	

COUNTY	ET IT HAS B
VARIOUS	
JOB NO.	
JSL0203	
CONTRACT ID.	

PROJECT NO.	THIS SHEET
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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715 KIRK DRIVE
KANSAAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

1. REPLACE EXISTING FREEWAY DMS WITH FULL COLOR SIGN. INSTALL SIGN CONTROLLER IN NEW CABINET. RELOCATE EXISTING ETHERNET SWITCH TO NEW CABINET.
2. REMOVE GROUT & INSTALL WIRE MESH AROUND DMS POLE BASE.
3. PLACE CABINET 14FT DOWNSTREAM OF PULL BOXES AVOIDING EXISTING CONDUITS.
4. DRILL EXISTING PULL BOX WALL TO INSERT NEW CONDUITS.
5. PULL EXISTING FIBER BACK FROM EXISTING POLE-MOUNTED CABINET AND INTO NEW CABINET.
6. PULL EXISTING POWER CONDUCTORS BACK FROM EXISTING POLE-MOUNTED CABINET AND INTO NEW CABINET.
7. USE IN PLACE THE EXISTING DMS FOUNDATION AND UP-RIGHT POLE.
8. REMOVE AND SALVAGE POLE-MOUNTED CABINET.



REV.

1. REPLACE EXISTING FREEWAY DMS WITH FULL COLOR SIGN.
INSTALL SIGN CONTROLLER IN EXISTING CABINET.
2. REMOVE GROUT & INSTALL WIRE MESH AROUND DMS POLE BASE.
3. INSTALL NEW DMS CONTROL CABLE BETWEEN EXISTING CABINET
AND SIGN.
4. USE INPLACE EXISTING DMS FOUNDATION AND UP-RIGHT POLE.

2" EX. PVC (UIP)
- DMS CONTROL CABLE
2" EX. PVC (UIP)
- EX. DMS ELECTRICAL CABLES (UIP)
2" EX. PVC SPARE (UIP)

2" EX. PVC (UIP)
- 24F FO CABLE (UIP)
2" EX. PVC SPARE (UIP)

2" PVC (UIP)
- EX. 1/C #8 AWG (QTY. 3) (UIP)
- EX. 1/C #8 BARE GROUND (UIP)

2" EX. PVC (UIP)
- EX. 24F FO CABLE (QTY. 3) (UIP)
2" EX. PVC SPARE (UIP)

IS170N002.7CA (UIP)
EX. BASE MOUNTED CABINET (UIP)

IPB298 (UIP)

2" EX. HDPE (UIP)
- EX. 24F FO CABLE (UIP)
- EX. 72F FO CABLE (UIP)
2" EX. HDPE SPARE (UIP)

2" EX. HDPE (UIP)
- EX. 24F FO CABLE (UIP)
- EX. 72F FO CABLE (UIP)
2" EX. HDPE SPARE (UIP)

IS170N002.7S (UIP)

2" EX. PVC (UIP)
-EX. DMS ELECTRICAL CABLES (UIP)
2" EX. PVC (UIP)
-EX. DMS CONTROL CABLES (UIP)
2" EX. PVC SPARE (UIP)

EPB226 (UIP)

2" EX. PVC (UIP)
- EX. 1/C #4 (QTY. 3) (UIP)
- EX. 1/C #4 BARE GROUND (UIP)

2" EX. PVC (UIP)
- EX. 1/C #4 (QTY. 3) (UIP)
- EX. 1/C #4 BARE GROUND (UIP)

2" EX. PVC (UIP)
- EX. 24F FO CABLE (UIP)

IS170S002.7S
(SEE NOTES 1, 2, 3, 4)

EPB228 (UIP)

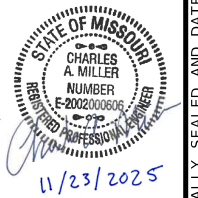
IS270S002.7CA
BASE MOUNTED CABINET
(SEE NOTES 1, 3)

2" EX. RMC (UIP)
- EX. 1/C #8 (QTY. 3) (UIP)
- EX. 1/C #4 (QTY. 3) (UIP)
- EX. 1/C #4 BARE GROUND (UIP)

EX. POWER SUPPLY (UIP)

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DATE PREPARED

11/21/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
SL	7

COUNTY	VARIOUS
--------	---------

JOB NO.
JSL0203

75E8265	
CONTRACT ID.	H

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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1715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

INTB
715 KIRK DRIVE
KANSAS CITY, MO 64105
TELEPHONE (816) 472-1
CERTIFICATE OF AUTHOR
NO. 001270

ITS PLAN

IS170S002.7 - DMS #3
DYNAMIC MESSAGE SIGN
SOUTHBOUND
I-170 N/O DELMAR BLVD

SHEET 3 OF 8

DEVICE AND STRUCTURE LOCATIONS

DMS #3	IS170S002.7S	STA. 527+00.00, 60'R
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

125

EX. DETENTION POND

MO141N002.0S
(SEE NOTES 1, 6, 7)

EPB204 (UIP)

2" EX. HDPE (UIP)
- EX. 24F SM FO CABLE (UIP)

IPB423A (UIP)

MO141N002.0D (UIP)

MO141N002.0CA
BASE MOUNTED CABINET
(SEE NOTES 1, 2, 4, 5)

DETAIL A
NOT TO SCALE

EPB203
(SEE NOTE 3)

IPB423
(SEE NOTE 3)

2" HDPE (UIP)
- EX. 24F SM FO CABLE (UIP)

EX. POWER SUPPLY
ASSEMBLY (UIP)

2" RMC (UIP)
- EX. 1/C #2 AWG (QTY. 3) (UIP)
- EX. 1/C #2 BARE GROUND (UIP)

PAD MOUNTED POWER SUPPLY
ASSEMBLY TYPE 2, 240/120V
SERVICE, ITS (UIP)

RTE 141 NB

IPB422B (UIP)

IPB422A (UIP)

IPB421B (UIP)

IPB421A (UIP)

2" HDPE (UIP)
- EX. 24F SM FO CABLE (UIP)

2" PVC (UIP)
- 1/C #2 AWG (QTY. 3) (UIP)
- 1/C #2 BARE GROUND (UIP)

3" PVC
- 1/C #2 AWG (QTY. 2)
- 1/C #2 BARE GROUND
- EX. 1/C #2 AWG (QTY. 2)
- EX. 1/C #2 BARE GROUND

3" PVC
- EX. 24F SM FO CABLE (QTY. 2)
- DMS CONTROL CABLE

2" PVC (UIP)
- DMS CONTROL CABLE

DETAIL A
NOT TO SCALE

NOTES:

1. REPLACE EXISTING ARTERAIL DMS WITH FULL COLOR SIGN. INSTALL SIGN CONTROLLER IN NEW CABINET. INSTALL NEW ETHERNET SWITCH IN NEW CABINET.
2. PLACE CABINET 26FT UPSTREAM OF PULL BOXES AVOIDING EXISTING CONDUITS.
3. DRILL EXISTING PULL BOX WALL TO INSERT NEW CONDUITS.
4. PULL EXISTING FIBER BACK FROM EXISTING POLE-MOUNTED CABINET AND INTO NEW CABINET.
5. PULL EXISTING POWER CONDUCTORS BACK FROM EXISTING POLE-MOUNTED CABINET AND INTO NEW CABINET.
6. USE IN PLACE THE EXISTING DMS FOUNDATION AND UP-RIGHT POLE.
7. REMOVE AND SALVAGE POLE-MOUNTED CABINET.

DISCLAIMER

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ITS PLAN

MO141N002.0 - DMS #5
DYNAMIC MESSAGE SIGN
NORTHBOUND
ROUTE 141
N/O LAKEFRONT DR
SHEET 5 OF 8

SCALE

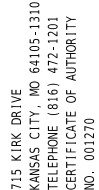
0 20 40 60

DEVICE AND STRUCTURE LOCATIONS

DEVICE #5	MO141N002.0S	STA. 125+74.00, 41'L
CABINET	MO141N002.0CA	STA. 125+94.00, 35'L

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ITS PLAN
MO141N002.0 - DMS #5
DYNAMIC MESSAGE SIGN
NORTHBOUND
ROUTE 141
N/O LAKEFRONT DR
SHEET 5 OF 8

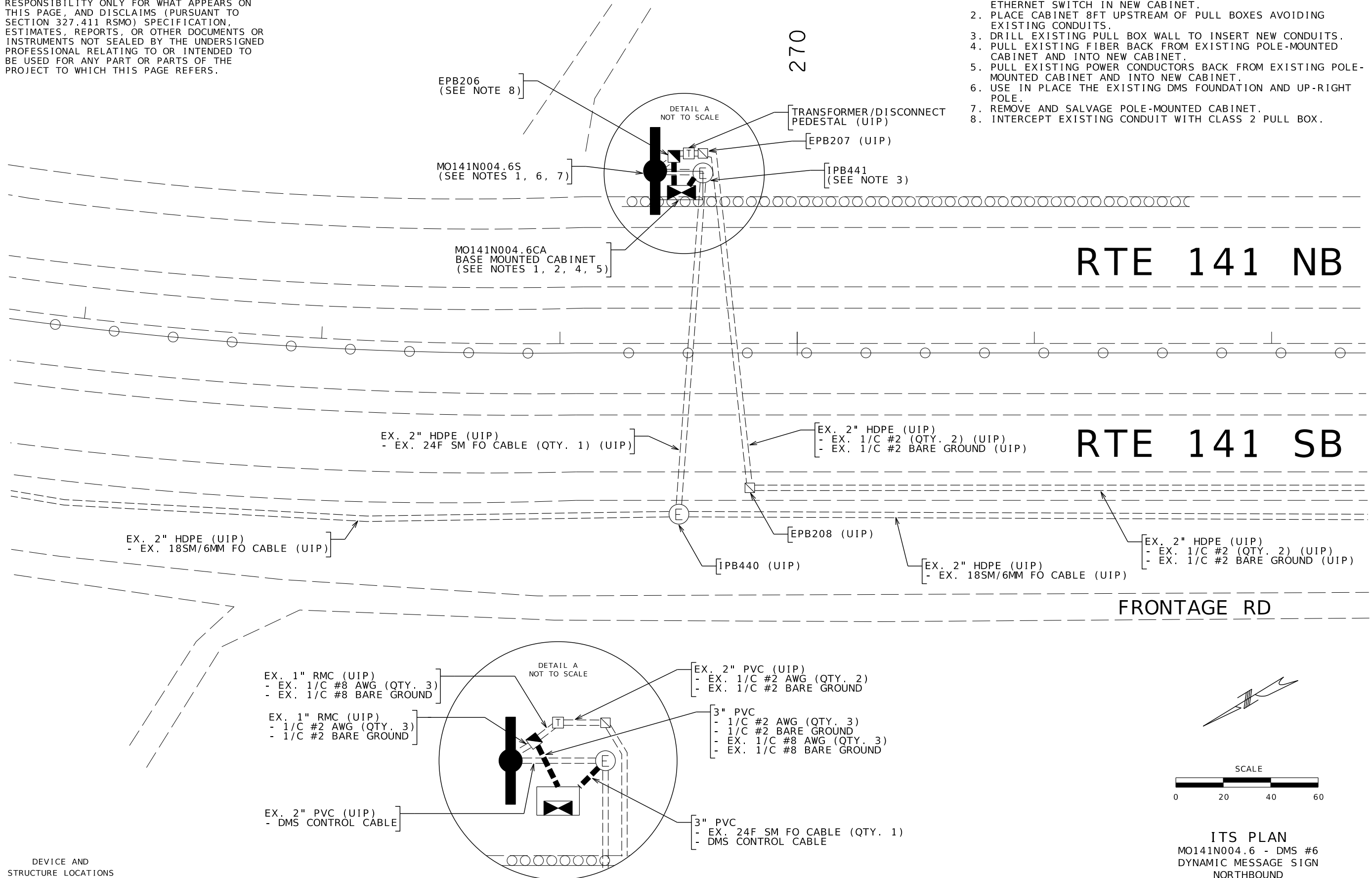


REV. _____ IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED: _____

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NOTES :

1. REPLACE EXISTING ARTERIAL DMS WITH FULL COLOR SIGN. INSTALL SIGN CONTROLLER IN NEW CABINET. INSTALL NEW ETHERNET SWITCH IN NEW CABINET.
2. PLACE CABINET 8FT UPSTREAM OF PULL BOXES AVOIDING EXISTING CONDUITS.
3. DRILL EXISTING PULL BOX WALL TO INSERT NEW CONDUITS.
4. PULL EXISTING FIBER BACK FROM EXISTING POLE-MOUNTED CABINET AND INTO NEW CABINET.
5. PULL EXISTING POWER CONDUCTORS BACK FROM EXISTING POLE-MOUNTED CABINET AND INTO NEW CABINET.
6. USE IN PLACE THE EXISTING DMS FOUNDATION AND UP-RIGHT POLE.
7. REMOVE AND SALVAGE POLE-MOUNTED CABINET.
8. INTERCEPT EXISTING CONDUIT WITH CLASS 2 PULL BOX.

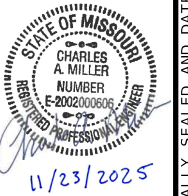


DMS #6	MO141N004.6S	STA. 269+41.00, 72' L
CABINET	MO141N004.6CA	STA. 269+51.00, 67' L

SCALE

0 20 40 60

ITS PLAN
MO141N004.6 - DMS #6
DYNAMIC MESSAGE SIGN
NORTHBOUND
ROUTE 141
N/O CREVE COEUR MILL
SHEET 6 OF 8



DATE PREPARED
11/21/2025

ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 10

COUNTY	VARIOUS
--------	---------

JOB NO.
JSL0203

CONTRACT ID.	SHEET
PROJECT NO.	

PROJECT NO.	THIS OFFICE
BRIDGE NO.	

BRIDGE NO.							

5

[illegible][illegible][illegible][illegible][illegible]

[illegible]

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CAPITAL
DO 651
5-6663WEST COAST COMMUNITY, MC
338-2791

105 W
N CITT
(1-888)

PERSONAL INFORMATION

JEFF
ASK - M



2006-2007
888-444-4444

1 -



11/11/2016

11/11/2016

10/1/2010

1310
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TY64105-1
472-120
AUTHORIT

THIRIVE
Y, MO
(816)
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KIRK D
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001270

715
KANG
TELE
CERT
NO.

10/1/2010

REV

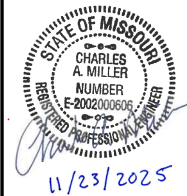
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NOTES:

1. REPLACE EXISTING ARTERIAL DMS WITH FULL COLOR SIGN.
INSTALL SIGN CONTROLLER IN EXISTING CABINET. REPLACE
EXISTING ETHERNET SWITCH IN EXISTING CABINET.
2. INSTALL NEW DMS CONTROL CABLE BETWEEN EXISTING CABINET
AND SIGN.
3. USE IN PLACE EXISTING DMS FOUNDATION AND UP-RIGHT POLE.
4. REPLACE CABINET MAINTENANCE CONCRETE PAD.
5. REPLACE CLASS 5 PULL BOX CONCRETE PAD.



DATE PREPARED
11/21/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
SL	11

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO. _____

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

INTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

ITS PLAN
MO141N021.9 - DMS #7
DYNAMIC MESSAGE SIGN
NORTHBOUND
ROUTE 141
S/O BOWLES AVE
SHEET 7 OF 8

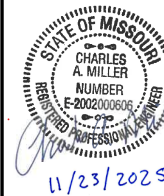
011_IT_07_JSL0203_i20.dgn 3:52:09 PM 11/21/2025

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REV.

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PROJECT TO WHICH THIS PAGE REFERS.

- NOTES:
1. REPLACE EXISTING FREEWAY DMS WITH FULL COLOR SIGN.
INSTALL SIGN CONTROLLER IN EXISTING CABINET. REPLACE
EXISTING ETHERNET SWITCH IN EXISTING CABINET.
 2. REMOVE GROUT & INSTALL WIRE MESH AROUND DMS POLE BASE.
 3. INSTALL NEW DMS CONTROL CABLE BETWEEN EXISTING CABINET
AND SIGN.



DATE PREPARED
11/21/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SL 12

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

ITS PLAN
MO370E001.8 - DMS #8
DYNAMIC MESSAGE SIGN
EASTBOUND
ROUTE 370
E/O SALT RIVER RD
SHEET 8 OF 8

RTE 370 WB

RTE 370 EB

180

EX. PRIMARY POWER CONDUIT. 3" PVC (UIP)]

IPB403 (UIP)]

IPB416 (UIP)

2" EX. HDPE (UIP)
- EX. 24F FO CABLE (UIP)
- EX. 72F FO CABLE (UIP)
2" EX. HDPE SPARE (UIP)

2" EX. HDPE (UIP)
- EX. 24F FO CABLE (QTY 2) (UIP)

2" EX. HDPE (UIP)
- EX. 24F FO CABLE (UIP)
- EX. 72F FO CABLE (UIP)
2" EX. HDPE SPARE (UIP)

IPB418 (UIP)]

MO370E001.8S
(SEE NOTES 1, 2, 3)

2" EX. PVC (UIP)
- EX. 24F FO CABLE (QTY. 2) (UIP)
2" EX. PVC SPARE (UIP)

EPB400 (UIP)

MO370E001.8CA
EX. BASE MOUNTED CABINET (UIP)
(SEE NOTES 1, 3)

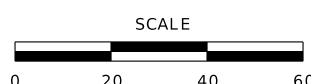
EX. POWER SUPPLY (UIP)

2" EX. PVC (UIP)
- EX. 1/C #2 (QTY. 3) (UIP)
- EX. 1/C #2 BARE GROUND (UIP)
2" EX. PVC (UIP)
- DMS CONTROL CABLES
2" EX. PVC SPARE (UIP)

2" EX. PVC (UIP)
- EX. 1/C #2 (QTY. 3) (UIP)
- EX. 1/C #2 BARE GROUND (UIP)

2" EX. HDPE (UIP)
- EX. 1/C #2 (QTY. 3) (UIP)
- EX. 1/C #2 BARE GROUND (UIP)

EX. DETENTION POND



DEVICE AND
STRUCTURE LOCATIONS

DMS #8	MO370E001.8S	STA. 180+81.00, 64'R
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ETHERNET SWITCH LOCATIONS - FRANKLIN COUNTY

ROADWAY	LOG MILE	DIR	LOCATION	COUNTY	LATITUDE	LONGITUDE	DEVICE IDENTIFIER	ETHERNET SWITCH REPLACEMENT	EXPANSION MODULE REPLACEMENT	IP ADDRESSABLE POWER STRIP
I-44	225.9	EB	I-44 @ 185/AF EB RAMPS	FRANKLIN	38°13'26.93"N	91°09'18.02"W	IS044E225.9Z	1	-	-
I-44	225.9	WB	I-44 @ 185/AF WB RAMPS	FRANKLIN	38°13'32.78"N	91°09'23.75"W	IS044W225.9Z	1	-	-
I-44	257.9	WB	I-44 E OF PACIFIC-VIADUCT	FRANKLIN	38°29'04.56"N	90°45'17.91"W	IS044W257.9C	1	-	-

ETHERNET SWITCH LOCATIONS - JEFFERSON COUNTY

ROADWAY	LOG MILE	DIR	LOCATION	COUNTY	LATITUDE	LONGITUDE	DEVICE IDENTIFIER	ETHERNET SWITCH REPLACEMENT	EXPANSION MODULE REPLACEMENT	IP ADDRESSABLE POWER STRIP
I-55	184.4	SB	I-55 S OF M	JEFFERSON	38°19'12.41"N	90°24'04.06"W	IS055S184.4C	1	-	-
I-55	184.6	SB	I-55 S OF M	JEFFERSON	38°19'12.03"N	90°24'04.15"W	IS055S184.6S	1	-	1
I-55	185.6	SB	I-55 @ M	JEFFERSON	38°20'54.85"N	90°23'45.70"W	IS055S185.6C	1	-	-
I-55	185.6	SB	I-55 SB AT RTE M SIGNAL	JEFFERSON	38°20'54.92"N	90°23'40.47"W	IS055S185.6Z	1	-	-
I-55	187.3	SB	I-55 SB RAMP @ IMPERIAL MAIN	JEFFERSON	38°22'10.09"N	90°23'03.27"W	IS055S187.3Z	1	-	1
I-55	190.7	SB	I-55 @ RICHARDSON	JEFFERSON	38°24'56.35"N	90°23'21.24"W	IS055S190.7C	1	-	-
I-55	190.7	SB	I-55 @ RICHARDSON-VOGEL	JEFFERSON	38°25'00.77"N	90°23'25.78"W	IS055S190.7Z	1	-	1
I-55	192.6	SB	I-55 @ 141	JEFFERSON	38°26'31.40"N	90°22'49.74"W	IS055S192.6Z	1	1	1

ETHERNET SWITCH LOCATIONS - ST. CHARLES COUNTY

ROADWAY	LOG MILE	DIR	LOCATION	COUNTY	LATITUDE	LONGITUDE	DEVICE IDENTIFIER	ETHERNET SWITCH REPLACEMENT	EXPANSION MODULE REPLACEMENT	IP ADDRESSABLE POWER STRIP
I-64	1.6	EB	I-64 E OF PROSPECT	ST. CHARLES	38°47'32.23"N	90°48'49.38"W	IS064E001.6C	1	-	-
I-64	2.9	EB	I-64 @ LAKE ST LOUIS	ST. CHARLES	38°46'53.40"N	90°47'45.26"W	IS064E002.9C	1	-	-
I-64	2.9	EB	I-64 @ LAKE ST LOUIS EB RAMPS	ST. CHARLES	38°46'50.87"N	90°47'49.98"W	IS064E002.9Z	1	-	1
I-64	3.0	EB	I-64 @ LAKE ST LOUIS	ST. CHARLES	38°46'48.47"N	90°47'36.87"W	IS064E003.0S	1	-	1
I-64	4.1	EB	I-64 @ N	ST. CHARLES	38°46'11.68"N	90°46'36.35"W	IS064E004.1C	1	-	-
I-64	7.7	EB	I-64 W OF K	ST. CHARLES	38°43'48.29"N	90°44'09.40"W	IS064E007.7C	1	-	-
I-64	8.9	EB	I-64 W OF K	ST. CHARLES	38°43'06.95"N	90°43'07.44"W	IS064E008.9C	1	-	-
I-64	9.1	EB	I-64 @ K EB RAMP	ST. CHARLES	38°42'45.75"N	90°42'15.15"W	IS064E009.1Z	1	-	1
I-64	10.2	EB	I-64 @ K SWQ	ST. CHARLES	38°42'49.88"N	90°42'14.38"W	IS064E010.2C	1	-	-
I-64	0.8	WB	I-64 E/O I-70	ST. CHARLES	38°48'01.18"N	90°49'32.79"W	IS064W000.8C	1	-	-
I-64	1.8	WB	I-64 E OF PROSPECT	ST. CHARLES	38°47'29.11"N	90°48'41.17"W	IS064W001.8S	1	-	1
I-64	2.9	WB	I-64 @ LAKE ST LOUIS WB RAMPS	ST. CHARLES	38°47'02.76"N	90°47'38.12"W	IS064W002.9Z	1	-	1
I-64	5.5	WB	I-64 W OF DD	ST. CHARLES	38°45'22.27"N	90°45'35.62"W	IS064W005.5S	1	-	1
I-64	6.1	WB	I-64 @ DD	ST. CHARLES	38°44'57.90"N	90°45'12.69"W	IS064W006.1C	1	-	-
I-64	9.1	WB	I-64 @ K	ST. CHARLES	38°42'54.48"N	90°42'13.06"W	IS064W009.1Z	1	1	1
I-64	9.9	WB	I-64 @ 94 WB RAMP	ST. CHARLES	38°42'44.40"N	90°41'21.65"W	IS064W009.9Z	1	-	1
I-64	11.0	WB	I-64 @ 94	ST. CHARLES	38°42'44.14"N	90°41'24.11"W	IS064W011.0C	1	1	-
I-64	11.7	WB	I-64 @ VERIZON	ST. CHARLES	38°42'31.56"N	90°40'35.66"W	IS064W011.7Z	1	-	-
I-64	12.6	WB	I-64 W OF MO RIVER	ST. CHARLES	38°41'53.41"N	90°39'59.95"W	IS064W012.6S	1	-	1
I-64	12.7	WB	I-64 W OF MISSOURI RIVER	ST. CHARLES	38°41'51.91"N	90°39'58.65"W	IS064W012.7C	1	-	-

ETHERNET SWITCH LOCATIONS - ST. LOUIS COUNTY

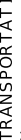
ROADWAY	LOG MILE	DIR	LOCATION	COUNTY	LATITUDE	LONGITUDE	DEVICE IDENTIFIER	ETHERNET SWITCH REPLACEMENT	EXPANSION MODULE REPLACEMENT	IP ADDRESSABLE POWER STRIP
I-64	13.6	EB	I-64 @ SPIRIT OF ST LOUIS BLVD	ST. LOUIS	38°40'27.34"N	90°38'44.55"W	IS064E013.6C	1	-	-
I-64	16.8	EB	I-64 E OF BOONES CROSSING	ST. LOUIS	38°40'09.28"N	90°35'10.47"W	IS064E016.8S	1	-	-
I-64	17.0	EB	I-64 @ BOONES CROSSING EB RAMP	ST. LOUIS	38°40'10.47"N	90°36'00.54"W	IS064E017.0bZ	1	-	1
I-64	17.0	EB	I-64 NOR @ BOONES CROSSING	ST. LOUIS	38°40'21.29"N	90°35'58.87"W	IS064E017.0cZ	1	-	-
I-64	18.8	EB	I-64 @ 340	ST. LOUIS	38°39'10.20"N	90°33'32.23"W	IS064E018.8C	1	-	-
I-64	18.9	EB	I-64 @ 340	ST. LOUIS	38°39'13.77"N	90°33'29.80"W	IS064E018.9Z	1	1	-
I-64	19.2	EB	I-64 @ CHESTERFIELD PKWY WEST	ST. LOUIS	38°39'30.76"N	90°34'00.60"W	IS064E019.2C	1	-	-
I-64	20.0	EB	I-64 W OF TIMBERLAKE	ST. LOUIS	38°38'51.74"N	90°32'11.92"W	IS064E020.0C	1	-	1
I-64	20.5	EB	I-64 E OF CHESTERFIELD PKWY E	ST. LOUIS	38°38'59.47"N	90°32'52.59"W	IS064E020.5S	1	-	1
I-64	22.8	EB	I-64 @ 141 SEQ	ST. LOUIS	38°38'23.35"N	90°30'39.97"W	IS064E022.8C	1	-	-
I-64	24.2	EB	I-64 @ MASON	ST. LOUIS	38°38'17.96"N	90°28'53.44"W	IS064E024.2C	1	-	-
I-64	24.2	EB	I-64 @ MASON EB RAMP	ST. LOUIS	38°38'16.67"N	90°28'51.72"W	IS064E024.2Z	1	-	1
I-64	25.2	EB	I-64 W OF I-270	ST. LOUIS	38°38'18.07"N	90°27'44.93"W	IS064E025.2C	1	-	-
I-64	27.0	EB	I-64 E OF BALLAS	ST. LOUIS	38°38'12.49"N	90°25'44.91"W	IS064E027.0S	1	-	-
I-64	28.2	EB	I-64 @ LINDBERGH	ST. LOUIS	38°38'07.34"N	90°24'18.99"W	IS064E028.2C	1	-	-
I-64	28.2	EB	I-64 @ 67	ST. LOUIS	38°38'06.10"N	90°24'19.53"W	IS064E028.2Z	1	-	1
I-64	29.8	EB	I-64 E OF CLAYTON	ST. LOUIS	38°37'53.14"N	90°22'49.75"W	IS064E029.8C	1	-	-
I-64	30.1	EB	I-64 W OF MCKNIGHT	ST. LOUIS	38°37'51.68"N	90°22'20.12"W	IS064E030.1S	1	-	1
I-64	31.6	EB	I-64 E OF BRENTWOOD	ST. LOUIS	38°37'46.63"N	90°20'44.33"W	IS064E031.6C	1	-	-

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STATE OF MISSOURI
CHARLES A. MILLER
NUMBER
E-2002000806
REGISTERED PROFESSIONAL ENGINEER
11/23/2025

DATE PREPARED	
11/21/2025	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
SL	13
COUNTY	
VARIOUS	
JOB NO.	
JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

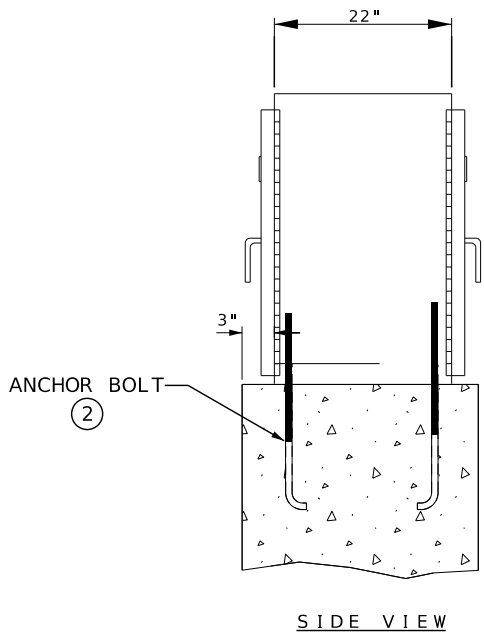
INTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

FOR
INFORMATION
ONLY

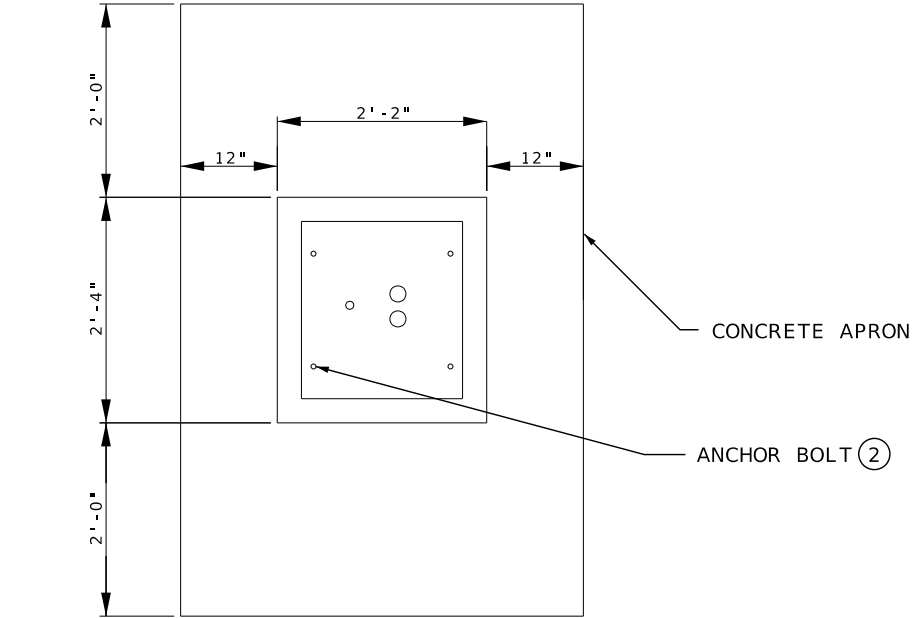
ETHERNET
SWITCH
LOCATIONS

SHEET 1 OF 2

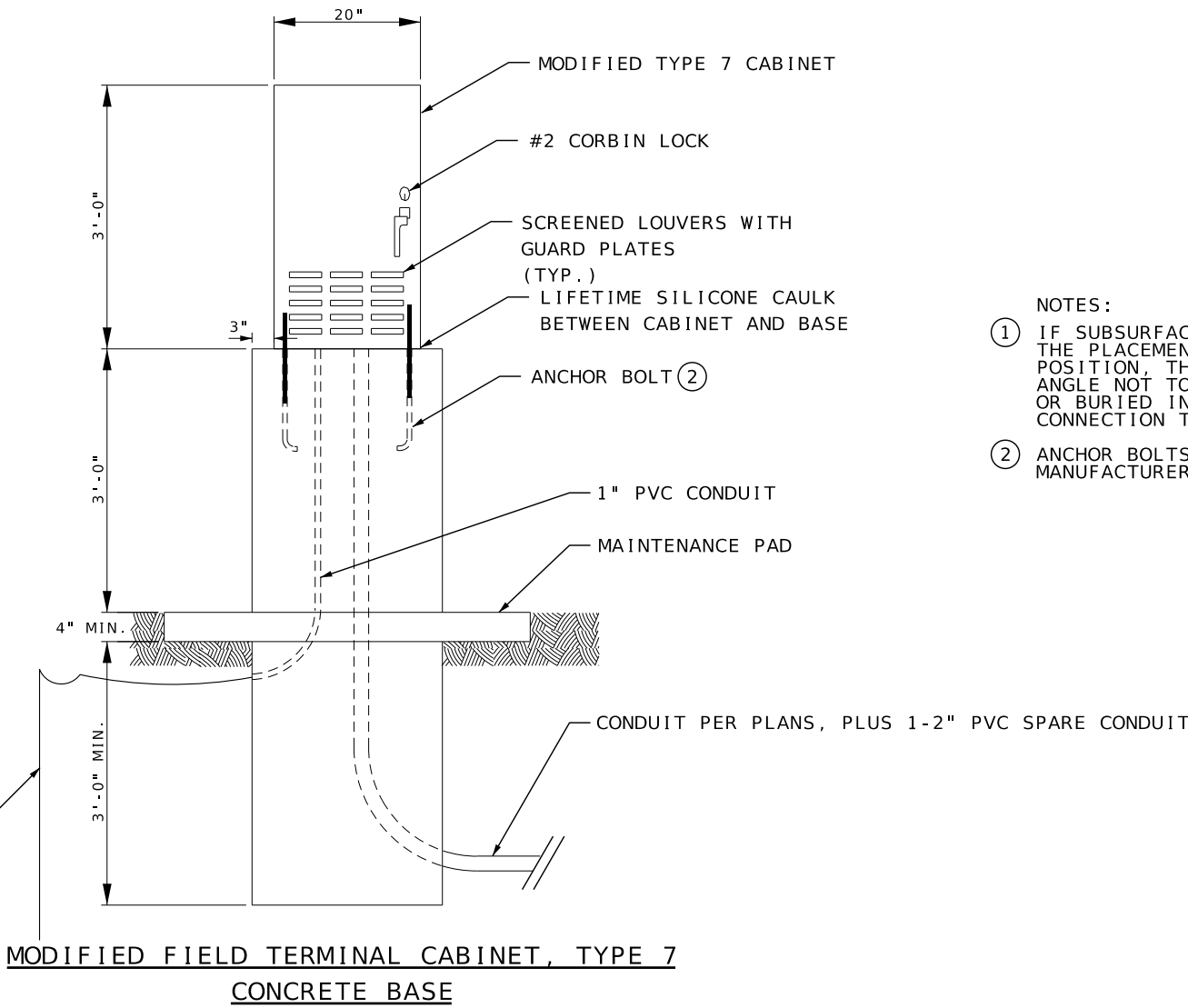


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GROUND ROD, (1)
3/4" DIA. x 8' MIN.
NOT TO SCALE



PLAN VIEW



- NOTES:
- (1) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30" DEEP. CONNECTION TO GROUND ROD SHALL BE CADWELDED.
 - (2) ANCHOR BOLTS AS SPECIFIED BY CABINET MANUFACTURER.

ITS DETAIL
MODIFIED TYPE 7
PEDESTAL MOUNTED
CABINET
SHEET 1 OF 3



DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 15
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

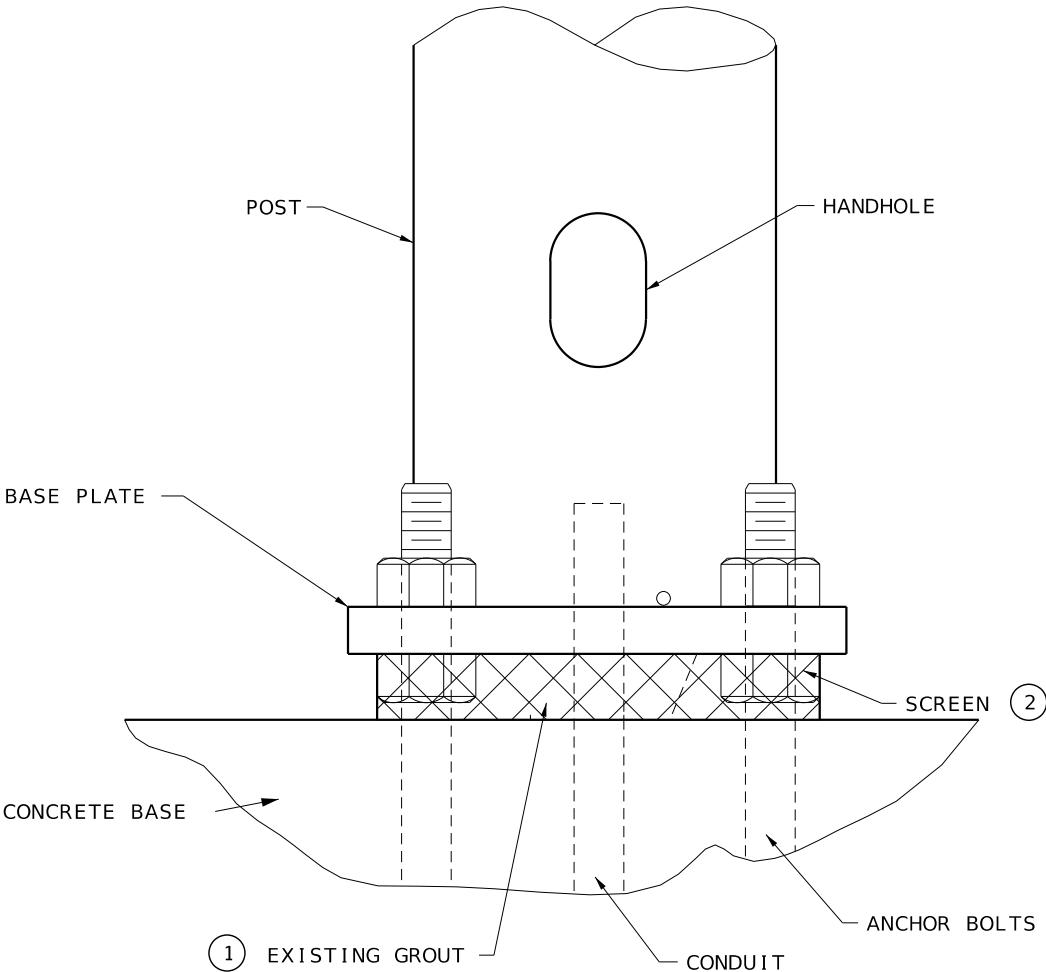
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

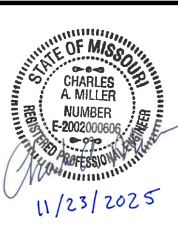


DYNAMIC MESSAGE SIGN POST
GROUT REPLACEMENT WITH WIRE MESH

- NOTES:
- ① REMOVE EXISTING GROUT BETWEEN CONCRETE BASE AND POST BASE PLATE.
 - ② INSTALL GALVANIZED SCREEN BETWEEN THE POST BASE PLATE AND CONCRETE BASE. SCREENS SHALL BE PRESS-FORMED OF 3 OR 4 MESH, 21 GAGE OR HEAVIER, STAINLESS STEEL OR HOT-DIPPED GALVANIZED WIRE SCREEN OR APPROVED EQUIVALENT, THAT WILL PROVIDE A FRICTION-TIGHT FIT WHEN INSTALLED.

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ITS DETAIL
DYNAMIC MESSAGE SIGN
BASE GROUT REPLACEMENT
WITH WIRE MESH
SHEET 2 OF 3



DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 16
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

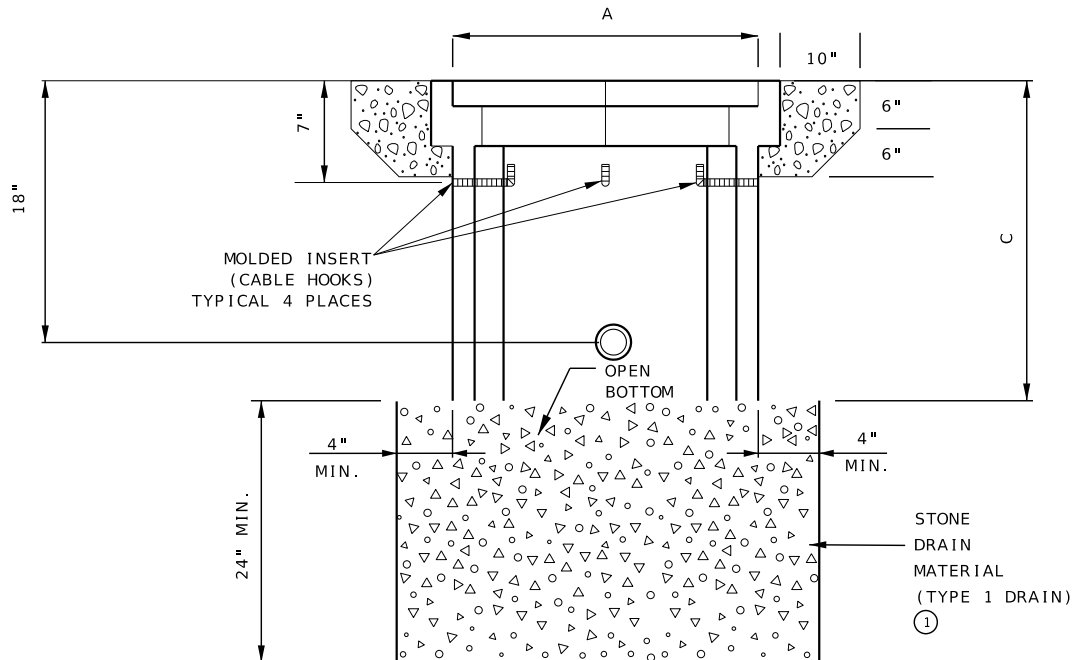
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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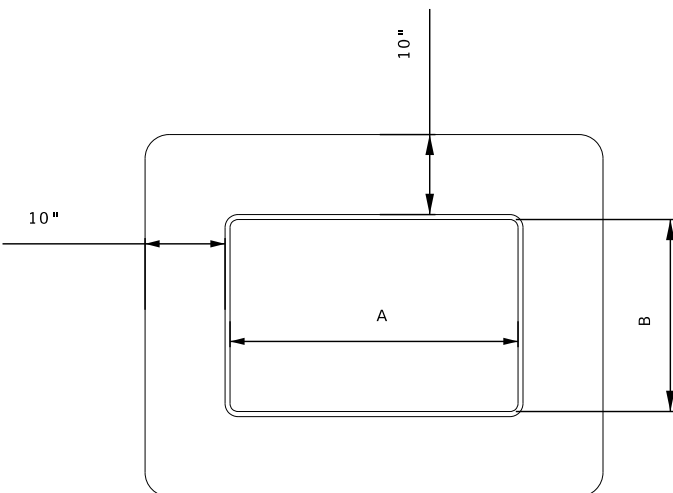
715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

ITS PULL BOXES WITH CONCRETE PADS

CLASS 2 ITS PULLBOX WITH CONCRETE PAD

ELEVATION

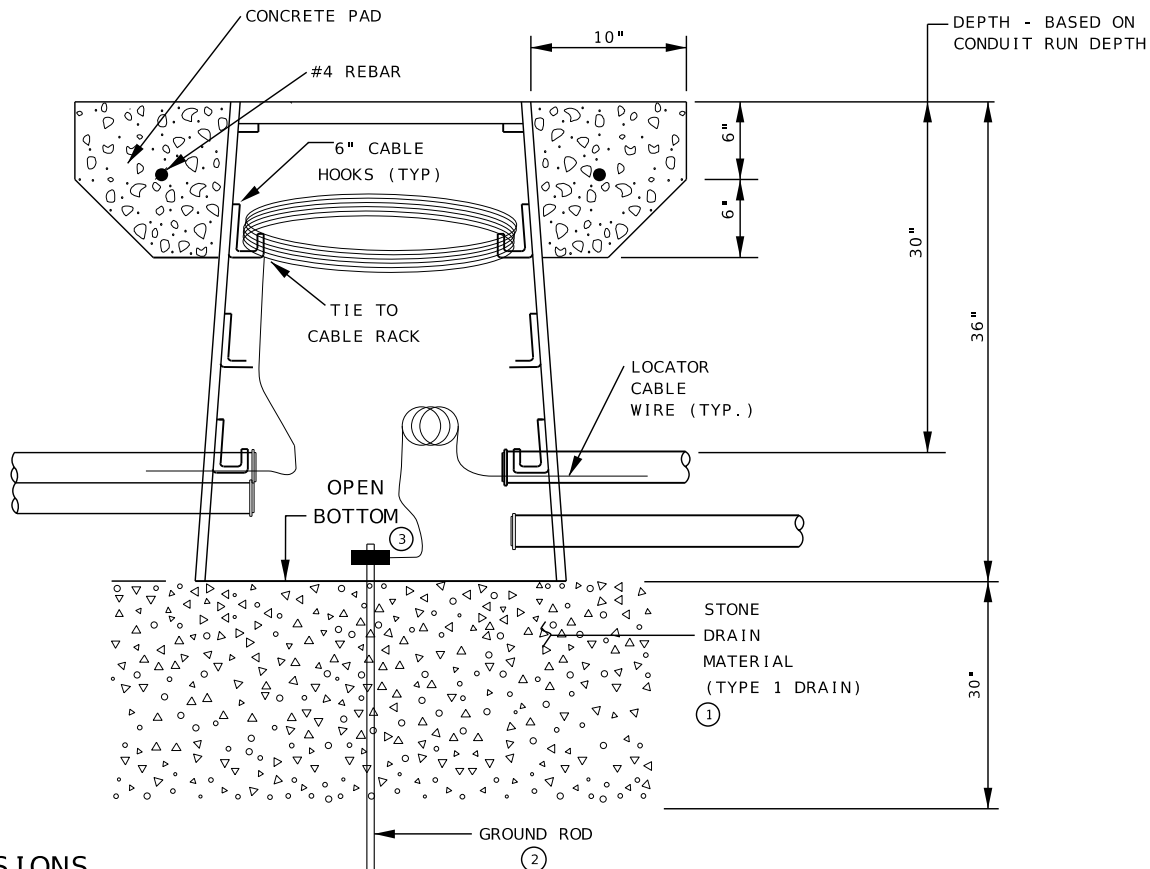
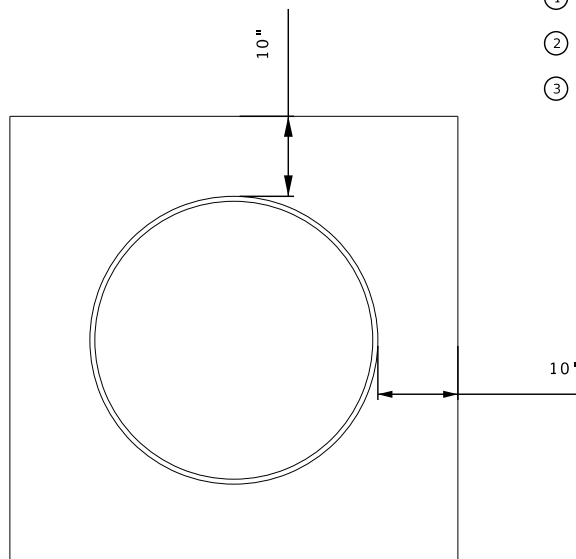
FOR PULL BOX DIMENSIONS
AND DRAIN TYPE DETAILS
SEE STANDARD PLAN 902.20



P L A N

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CLASS 5 ITS PULLBOX WITH CONCRETE PADS

ELEVATION

PLAN

NOTES:

- ① PROVIDE TYPE II DRAIN AS DIRECTED BY ENGINEER. SEE STANDARD PLAN 902.20 FOR TYPE II DRAIN DETAILS.
- ② GROUND ROD ONLY REQUIRED IN PULL BOX NEAREST TO AN ITS OR SIGNAL CABINET.
- ③ IN THE PULL BOX NEAREST THE ITS OR SIGNAL CABINET, CONNECT THE TRACER WIRE TO A GROUND ROD CLAMP AND PROVIDE 5 FEET OF SLACK.

ITS DETAIL
CONCRETE PAD FOR ITS
PULL BOX
SHEET 3 OF 3



DATE PREPARED
11 / 21 / 2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO
SL	17

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

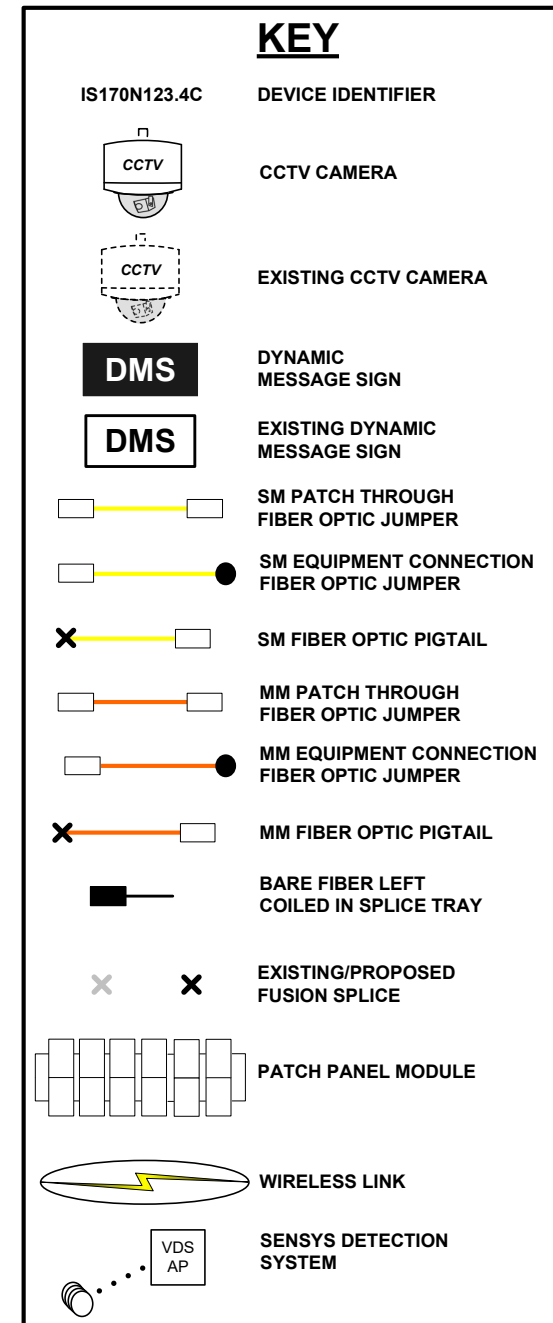
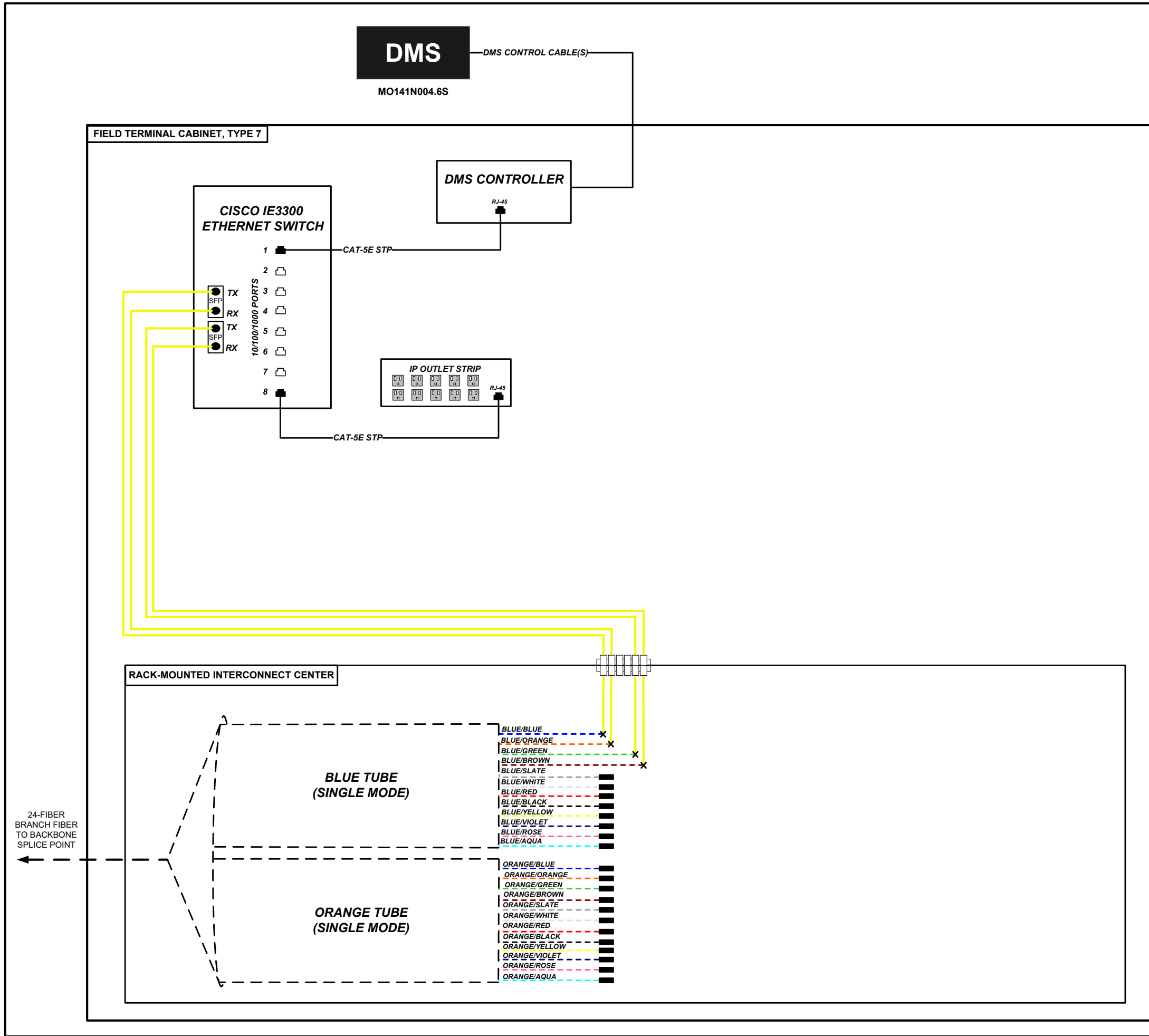
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

INTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270



1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

FIBER SPLICING & BLOCK DIAGRAM
PROPOSED DMS #6
MO141N004.6S
NB 141 N. OF CREVE COEUR MILL
SHEET 5 OF 5

VLAN
VL0269

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER
F-2002000806
REGISTERED PROFESSIONAL ENGINEER
11/23/2025

DATE PREPARED
11/21/2025

ROUTE
VAR

STATE
MO

DISTRICT
SL

SHEET NO.
22

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

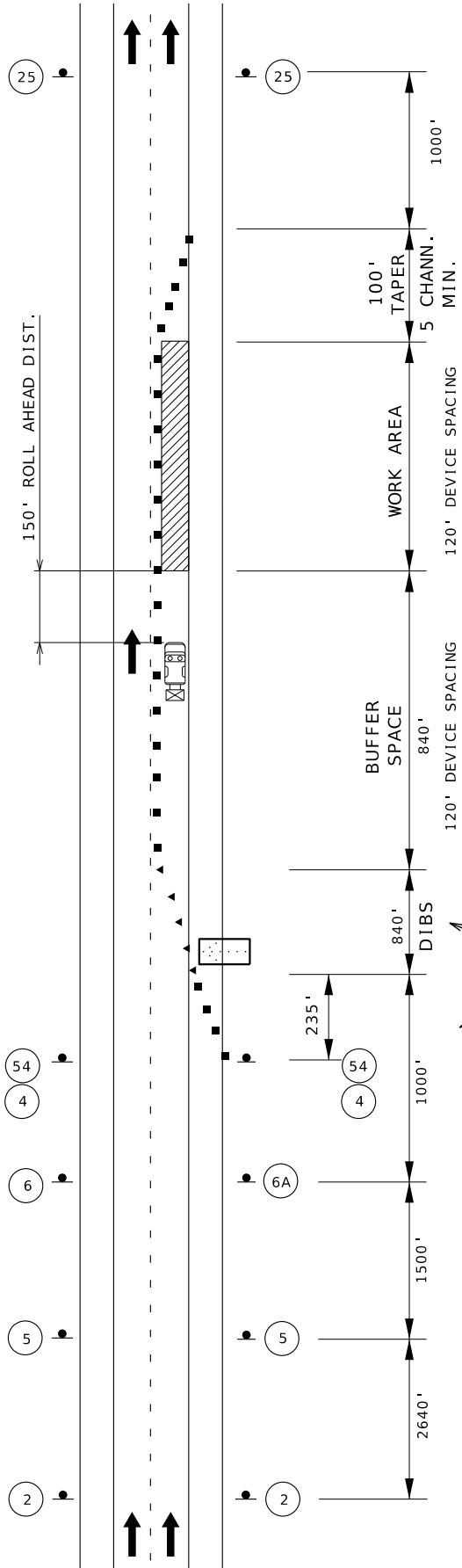
MoDOT

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

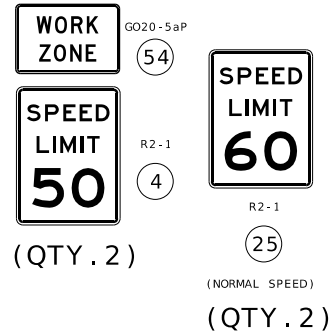
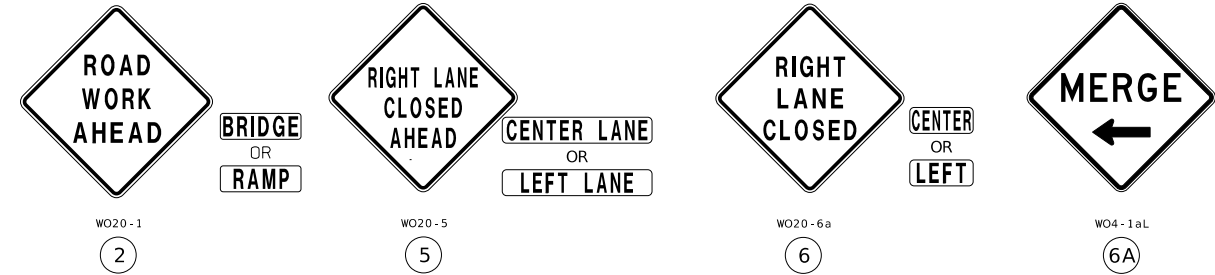
NOT TO SCALE

SINGLE LANE CLOSURE
ON A DIVIDED HIGHWAY



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◄ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- ▨ WORK AREA
- ⬢ FLASHING ARROW PANEL
- 🚚 TMA - TRUCK MOUNTED ATTENUATOR



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
*APPROPRIATE SPEED LIMITS AND QUANTITIES SHOWN ABOVE.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED
IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS
CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR
LANE ENDS SIGNS SHALL BE SUBSTITUTED.

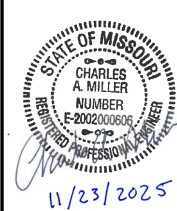
REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING
LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2
FLAGS AND ADVANCE WARNING RAIL SYSTEM.

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TRAFFIC CONTROL
SHEET
SINGLE LANE CLOSURE

SHEET 1 OF 9



DATE PREPARED
11/21/2025

ROUTE
VAR
DISTRICT
SL

STATE
MO
SHEET NO.
23

COUNTY
VARIOUS

JOB NO.
JSL0203

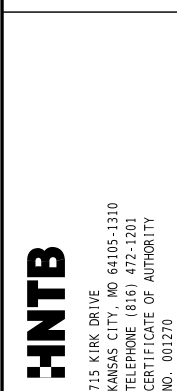
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



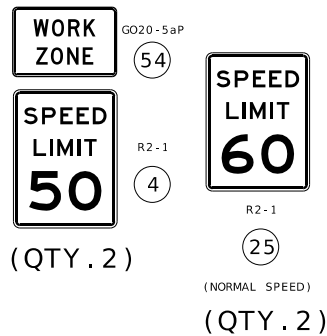
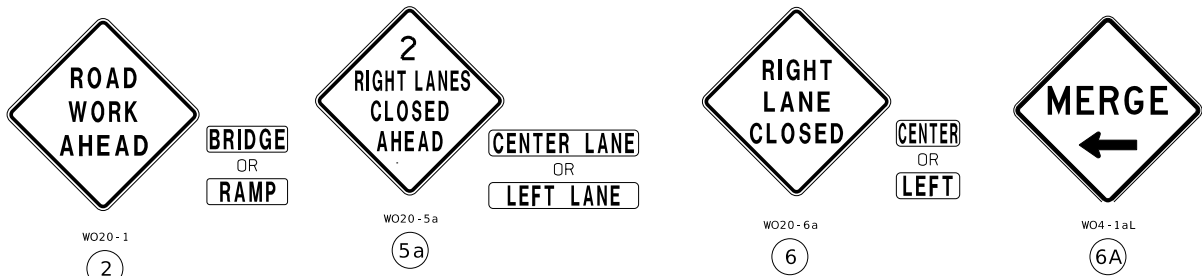
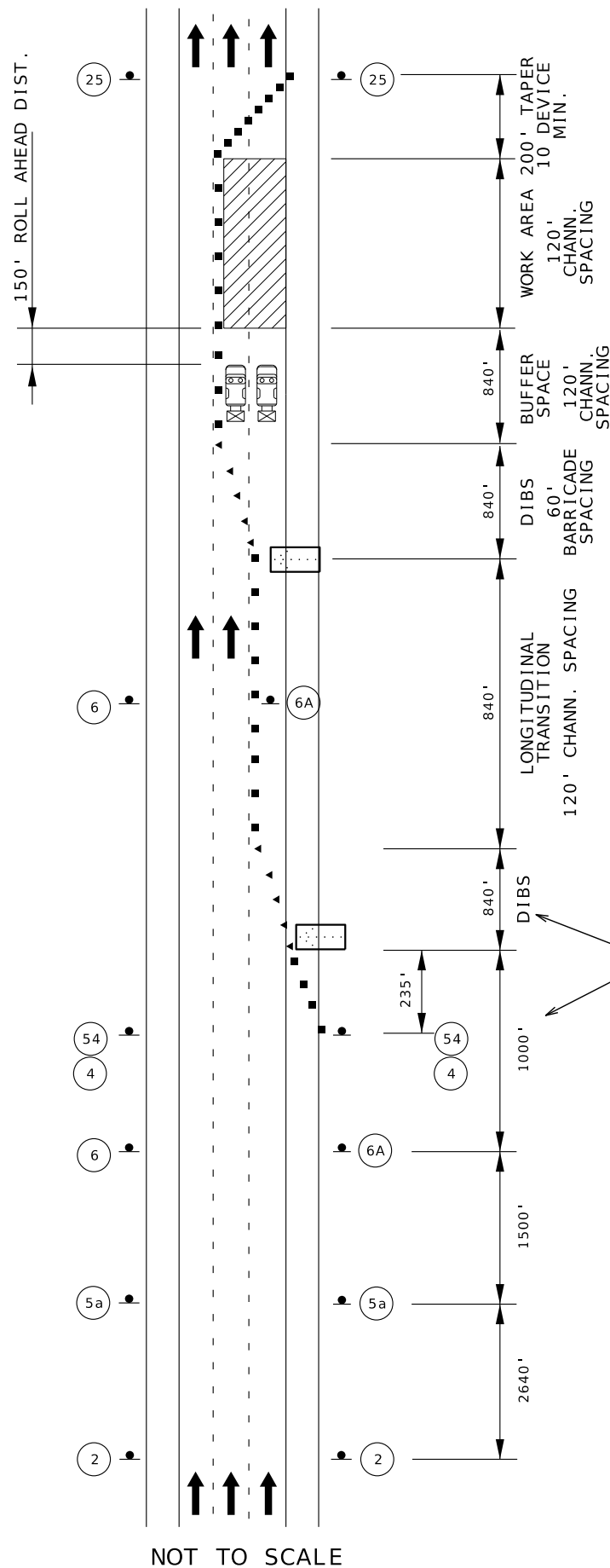
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DOUBLE LANE CLOSURE
ON A DIVIDED HIGHWAY

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL
- TMA - TRUCK MOUNTED ATTENUATOR



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
*APPROPRIATE SPEED LIMITS AND QUANTITIES SHOWN ABOVE.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGNS SHALL BE SUBSTITUTED.

REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

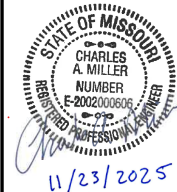
FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

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TRAFFIC CONTROL
SHEET

DOUBLE LANE CLOSURE

SHEET 2 OF 9



DATE PREPARED
11/21/2025
ROUTE
VAR
DISTRICT
SL
STATE
MO
SHEET NO.
24

COUNTY
VARIOUS
JOB NO.
JSL0203
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

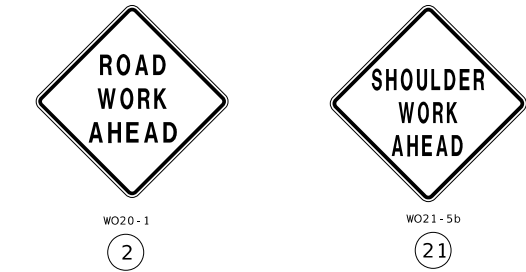
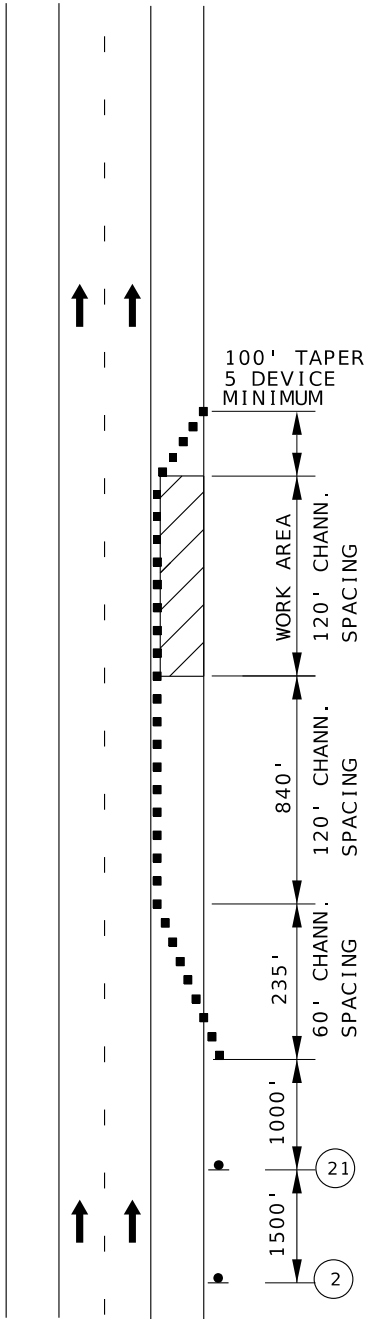
DATE	DESCRIPTION

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

HNTB
715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

WORK ON THE SHOULDER
ON DIVIDED HIGHWAYS

NOT TO SCALE



TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE SIDED)
-  CHANNELIZER (TRIM-LINE)
-  WORK AREA

NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

WHEN PAVED SHOULDERS HAVING A WIDTH OF 8 FEET OR MORE ARE CLOSED, AT LEAST ONE ADVANCE WARNING SIGN SHALL BE USED. IN ADDITION, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND DIRECT VEHICULAR TRAFFIC TO REMAIN WITHIN THE TRAVELED WAY.

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TRAFFIC CONTROL
SHEET
WORK ON THE
SHOULDER
SHEET 3 OF 9



DATE PREPARED
11/21/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
SL 25

COUNTY
VARIOUS

JOB NO.
JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

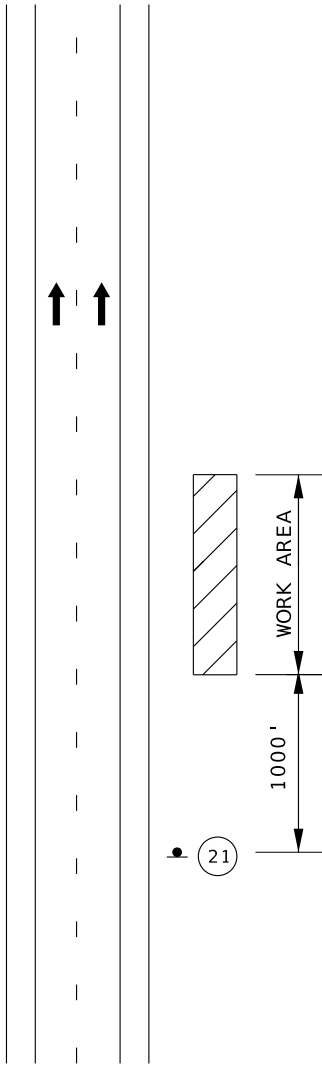


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TELEPHONE (816) 472-1201
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SHOULDER WORK
WORK BEYOND THE SHOULDER

NOT TO SCALE



WO21-5b
(21)

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
WORK AREA

NOTES:

- ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.
- ON MULTI-LANE, DIVIDED HIGHWAYS, SIGNS ADVISING OF THE SHOULDER WORK OR THE CONDITION OF THE SHOULDER BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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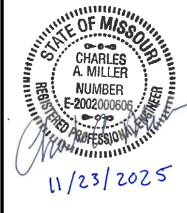
TRAFFIC CONTROL
SHEET
WORK BEYOND
THE SHOULDER
SHEET 4 OF 9

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TELEPHONE (816) 472-1201
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

DATE	DESCRIPTION

DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 26
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



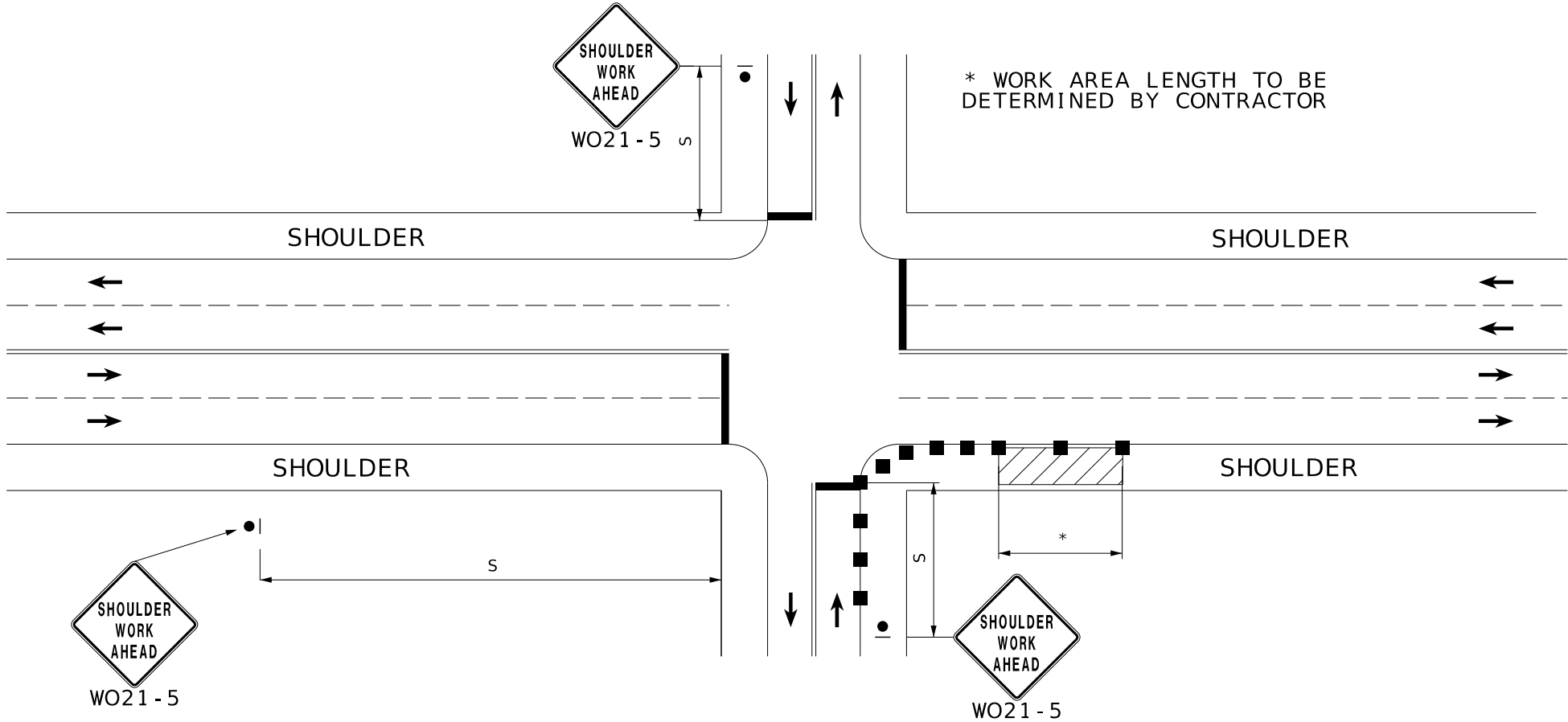
SPEED	SIGN SPACING (FT.)		TAPER LENGTH (FT.)		OPTIONAL BUFFER LENGTH (FT.) (B)	CHANNELIZER SPACING (FT.)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER 1 (T1)	LANE 2 (T2)		TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	-	-	15	25
40-45	350	500	-	-	-	20	50
50-55	500	1000	-	-	-	50	100

1 SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET

2 LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET

3 SPACING REDUCED TO 1/2 AT INTERSECTIONS.

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SHOULDER CLOSURE ON FAR SIDE OF INTERSECTION

LEGEND

▲

DIRECTIONAL INDICATOR BARRIER

■

TRIMLINE CHANNELIZERS (TL)

...

FLASHING ARROW PANEL

●

CONSTRUCTION SIGN

◇◇

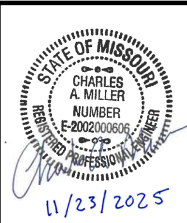
FLAG ASSEMBLY

▨

ADVANCED WARNING RAIL SYSTEM

NOT TO SCALE

TRAFFIC CONTROL
SHEET
ARTERIAL SHOULDER
CLOSURE - FAR SIDE
SHEET 6 OF 9



DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 28
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

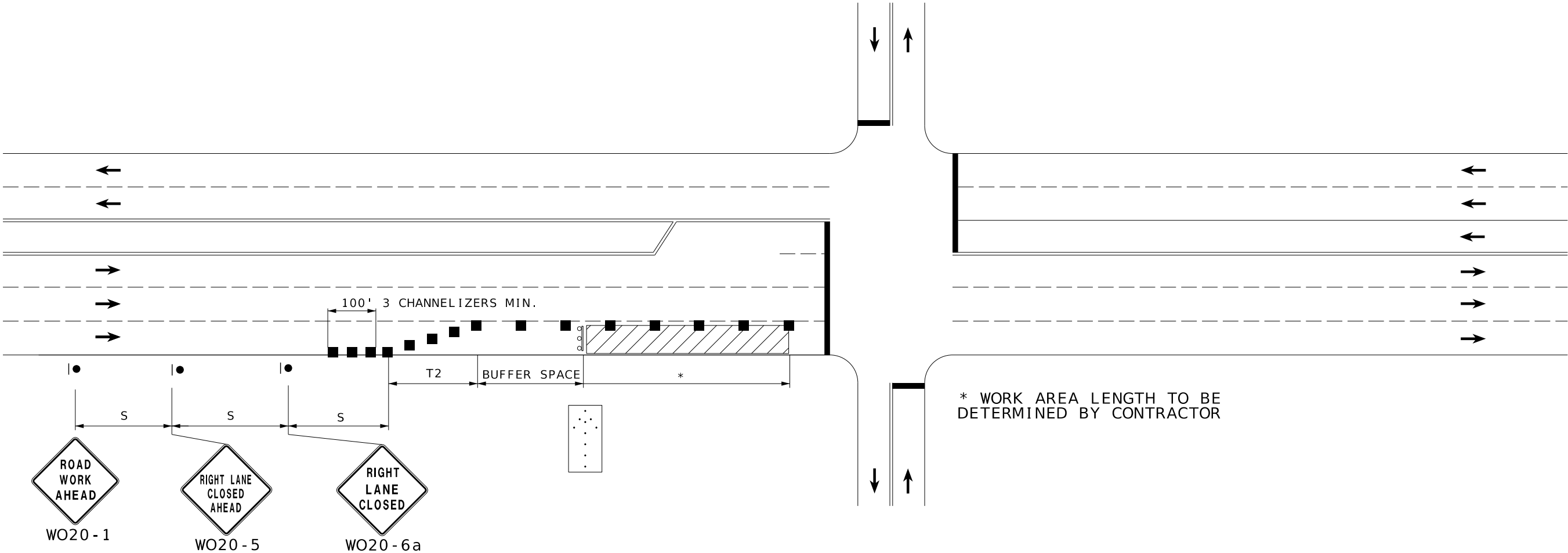
SPEED	SIGN SPACING (FT.)		TAPER LENGTH (FT.)		OPTIONAL BUFFER LENGTH (FT.) (B)	CHANNELIZER SPACING (FT.)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER 1 (T1)	LANE 2 (T2)		TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80

1 SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET

2 LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET

3 SPACING REDUCED TO 1/2 AT INTERSECTIONS.

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RIGHT LANE CLOSURE ON THE NEAR SIDE OF INTERSECTION

LEGEND

▲

DIRECTIONAL INDICATOR BARRIER

■

TRIMLINE CHANNELIZERS (TL)

⬢

FLASHING ARROW PANEL

●

CONSTRUCTION SIGN

◊

FLAG ASSEMBLY

▨

ADVANCED WARNING RAIL SYSTEM

NOT TO SCALE

TRAFFIC CONTROL
SHEET
ARTERIAL RIGHT LANE
CLOSURE - NEAR SIDE
SHEET 7 OF 9

STATE OF MISSOURI

CHARLES A. MILLER

NUMBER

200200806

EXPIRATION DATE

12/31/2025

PROFESSIONAL SEAL

11/23/2025

DATE PREPARED

11/21/2025

ROUTE

VAR

STATE

MO

DISTRICT

SL

SHEET NO.

29

COUNTY

VARIOUS

JOB NO.

JSL0203

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

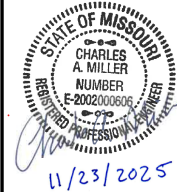
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

HNTB

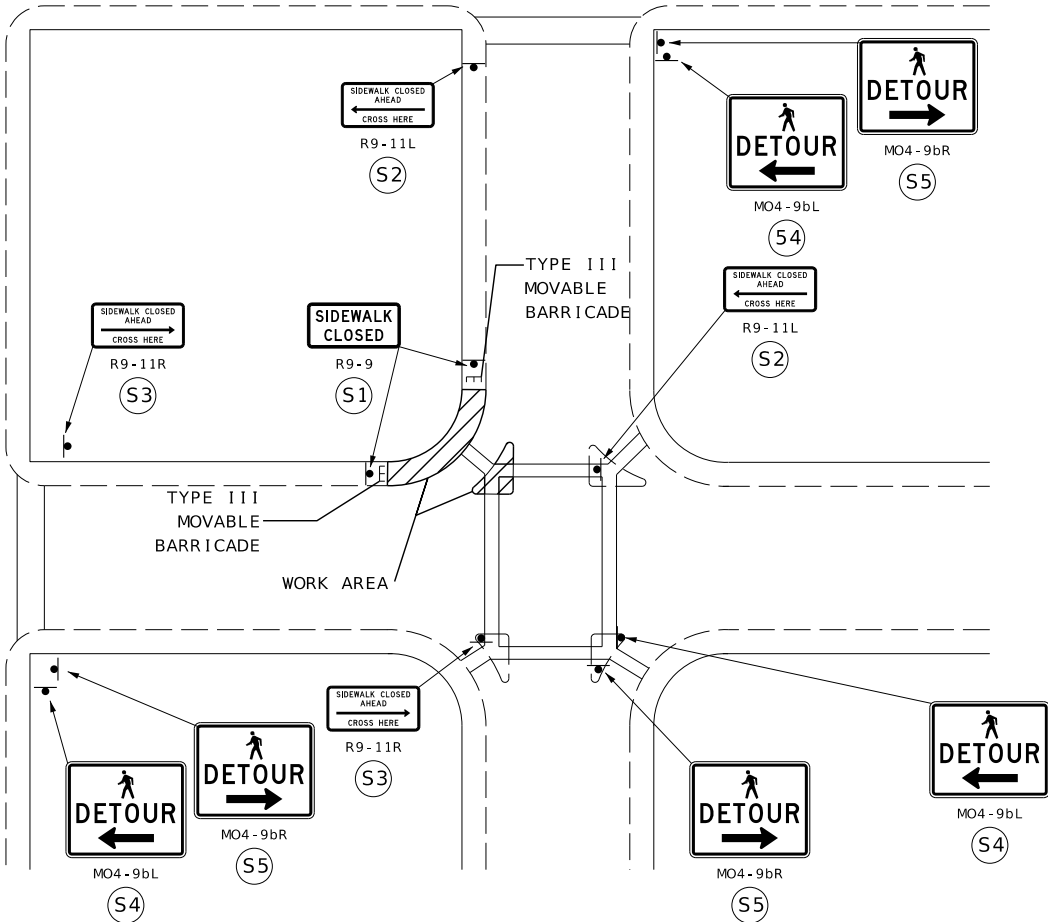
715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

029_TC_07_JSL0203_ART_RL_CL_NEAR_i01.dgn 3:52:50 PM 11/21/2025

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DATE PREPARED 11/21/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 31
COUNTY VARIOUS	
JOB NO. JSL0203	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



PEDESTRIAN DETOUR FOR ONE WORK LOCATION
CROSS STREET DETOUR

LEGEND

SIGN (SINGLE SIDED)

CHANNELIZER (TRIM-LINE)

DIRECTIONAL INDICATOR BARRICADES (DIBS)

WORK AREA

FLASHING ARROW PANEL

TYPE III BARRICADE

NOT TO SCALE

TRAFFIC CONTROL
SHEET
SIDEWALK CLOSURE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270