

**DESIGN DESIGNATION**

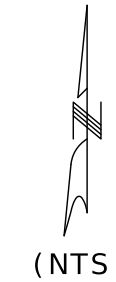
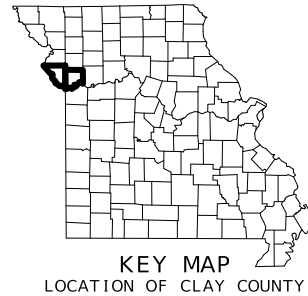
A.A.D.T. - 2024 = 66,500  
 A.A.D.T. - 2034 = 101,500  
 T = 5%  
 V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION - FREEWAY

**NO RIGHT-OF-WAY  
 TO BE ACQUIRED**

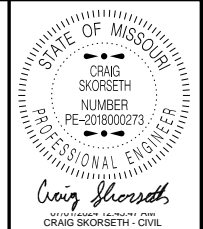
# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY CLAY / PLATTE COUNTY



**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) (4 SHEETS)---	2
QUANTITIES (QU) (12 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-10
RIGHT OF WAY (RW)-----	N/A
REFERENCE POINTS (RP)-----	N/A
COORDINATE POINTS (CP)-----	N/A
SPECIAL SHEETS (SS)-----	11
TRAFFIC CONTROL SHEETS (TC)-----	12-23
EROSION CONTROL SHEETS (EC)-----	N/A
LIGHTING (LT)-----	N/A
SIGNALS (SG)-----	N/A
SIGNING (SN)-----	N/A
PAVEMENT MARKING (PM)-----	4-10
CULVERT SECTIONS (CS)-----	N/A
CROSS SECTIONS (XS)-----	N/A



DATE PREPARED  
 7/1/2024  
 ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 1  
 COUNTY PLATTE/CLAY  
 JOB NO. JKU0050  
 CONTRACT ID.

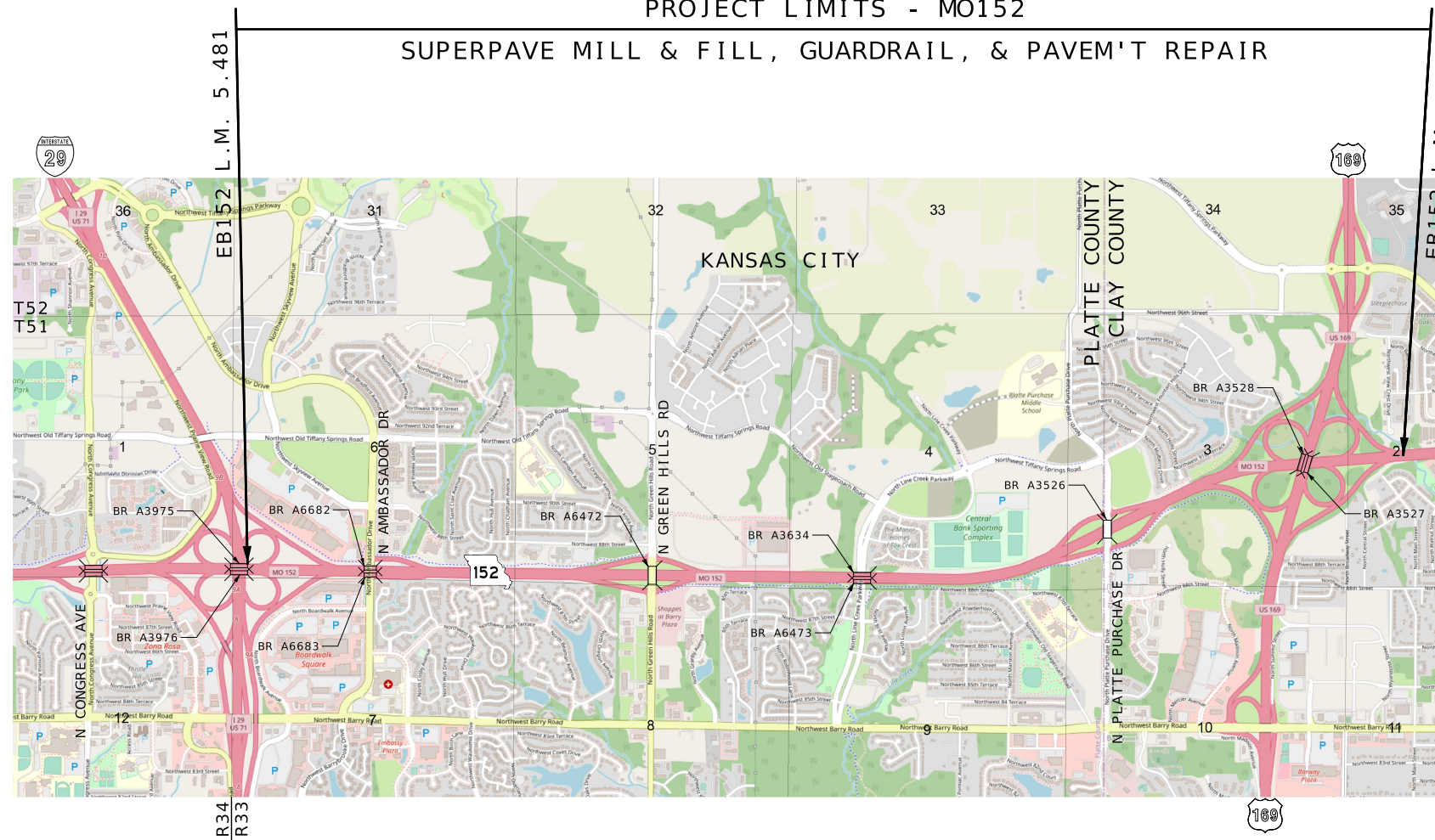
PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

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

**PROJECT LIMITS - MO152**

**SUPERPAVE MILL & FILL, GUARDRAIL, & PAVEM'T REPAIR**



**CONVENTIONAL SYMBOLS  
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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.

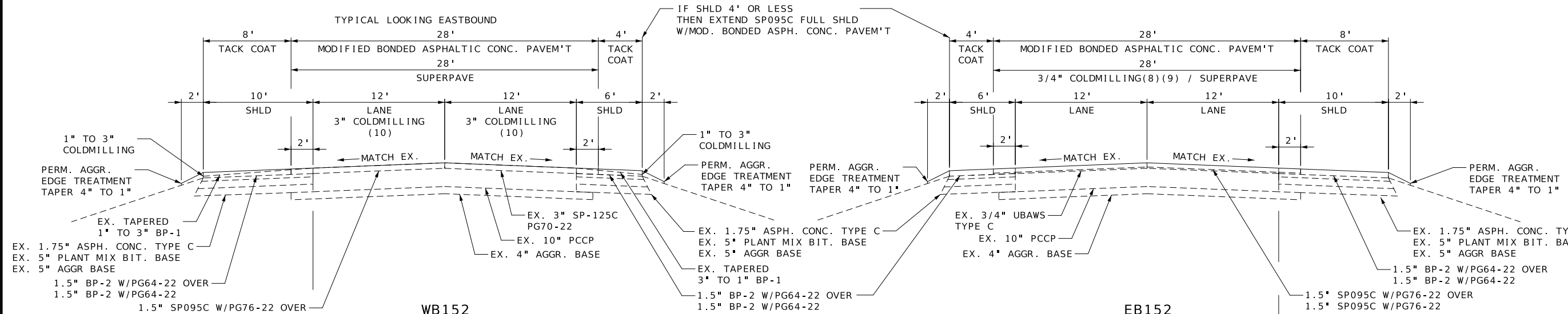
**LENGTH OF PROJECT**

BEGINNING OF PROJECT	L.M. 5.481
END OF PROJECT	L.M. 9.636
APPARENT LENGTH	4.155 MILES
EQUATIONS AND EXCEPTIONS:	
BR. A6683	L.M. 5.902 - 5.926
BR. A6473	L.M. 7.638 - 7.674

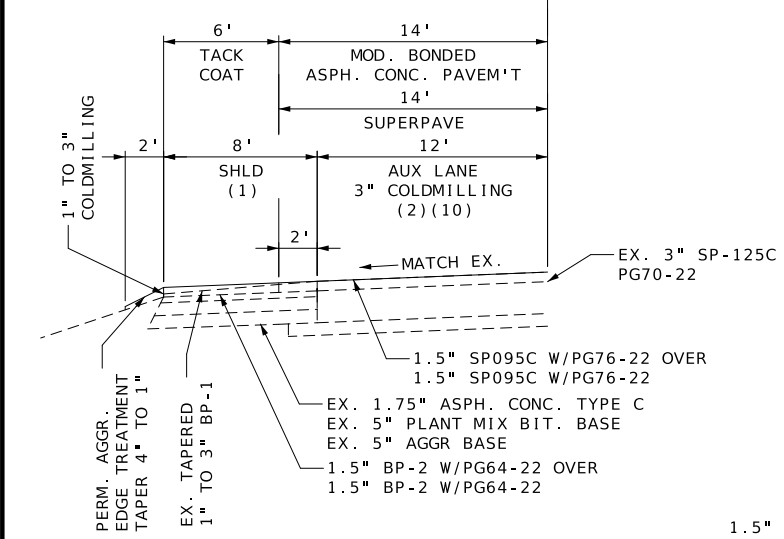
TOTAL CORRECTIONS	-0.060 MILES
NET LENGTH OF PROJECT	4.095 MILES
STATE LENGTH	4.095 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES



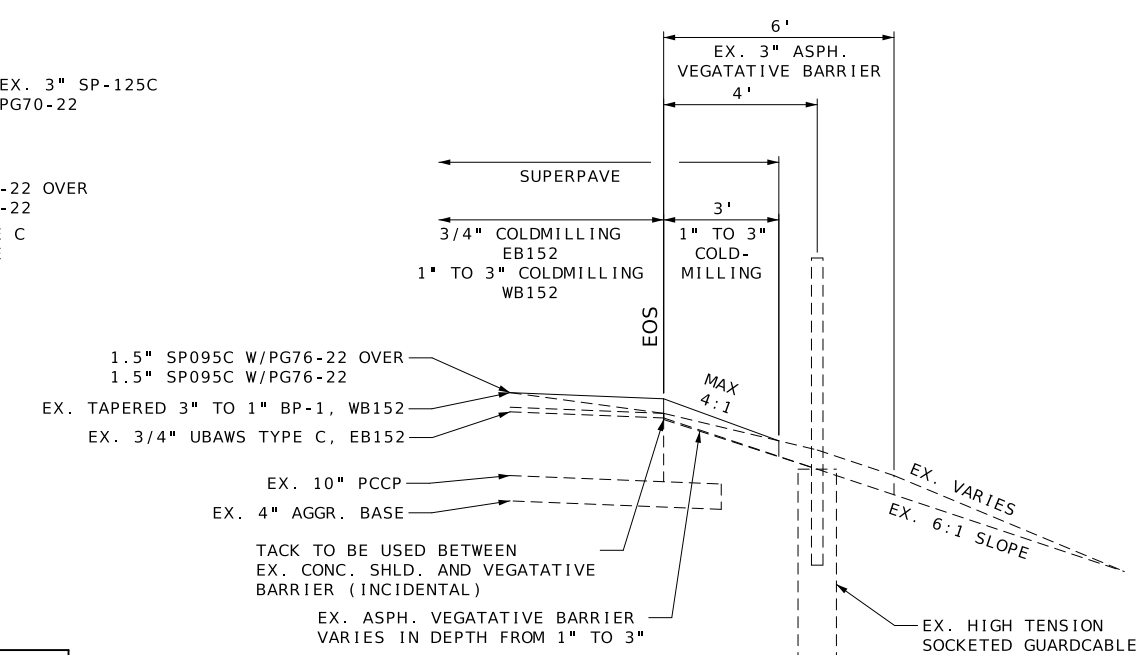
DATE PREPARED	7/1/2024	
ROUTE	152	STATE MO
DISTRICT	KC	SHEET NO. 2
COUNTY	PLATTE/CLAY	
JOB NO.	JKU0050	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		



NOTES:  
 (8)-3/4" COLDMILLING TO REMOVE UBAWS WIDTH VARIES IN OUTSIDE SHOULDER  
 (9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES  
 (10)-3" COLDMILLING OR TO EX. CONCRETE LANES

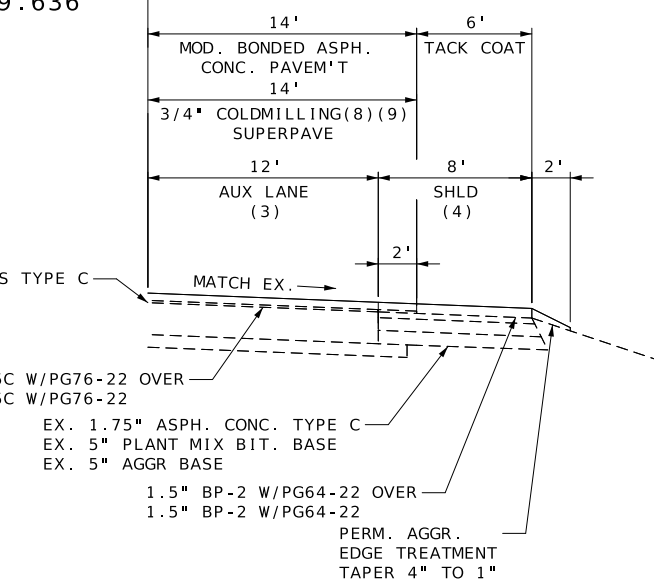
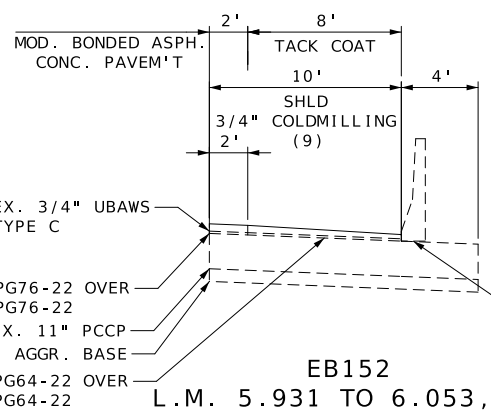


- WB152**  
 L.M. 7.470 TO 7.629  
 L.M. 7.901 TO 8.096  
 L.M. 8.595 TO 8.696  
 L.M. 9.669 TO 9.774  
 L.M. 10.310 TO 10.755  
 L.M. 10.911 TO 11.085  
 L.M. 11.398 TO 11.420



**ASPHALT ESTIMATE FACTORS (FOR INFORMATION ONLY)**  
 -SP095C - 1.969 TON/CY  
 -BP-2 - 1.984 TON/CY  
 -TACK COAT (COLDMILLED) - 0.1 GAL/SY  
 (EXISTING PAVEMENT) - 0.08 GAL/SY  
 (NEW ASPHALT) - 0.05 GAL/SY  
 -MODIFIED BONDED ASPH. CONC. PAVEM'T  
 0.20 GAL/SY

**MEDIAN GUARDCABLE DETAIL**  
 WB152 INSIDE SHOULDER  
 L.M. 7.246 TO 8.313  
 EB152 INSIDE SHOULDER  
 L.M. 5.491 TO 5.823  
 L.M. 5.934 TO 7.561  
 L.M. 7.685 TO 8.542



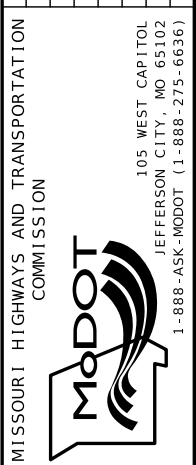
- EB152**  
 L.M. 5.481 TO 5.152  
 L.M. 5.809 TO 5.986  
 L.M. 6.192 TO 6.616  
 L.M. 7.096 TO 7.230  
 L.M. 8.149 TO 8.273  
 L.M. 8.820 TO 8.895  
 L.M. 9.214 TO 9.361

LOG MILE	LOG MILE	LOCATION	(2) AUX LANE WIDTH FEET	(1) OUTSIDE SHLD WIDTH FEET
7.470	7.629	WB350	12'	10'
7.901	8.096	WB350	12'	10'
8.649	8.696	WB350	12' TO 0'	8' TO 10'
9.669	9.716	WB350	0' TO 12'	10' TO 8'
10.310	10.367	WB350	24' TO 12'	10'
10.367	10.755	WB350	12'	10'
10.911	10.966	WB350	0' TO 12'	10'
10.966	11.085	WB350	12'	10'
11.398	11.420	WB350	12'	6'

LOG MILE	LOG MILE	LOCATION	(2) AUX LANE WIDTH FEET	(1) OUTSIDE SHLD WIDTH FEET
5.481	5.503	EB350	12'	6'
5.503	5.515	EB350	12'	6' TO 8'
5.809	5.940	EB350	12'	10'
5.940	5.986	EB350	12' TO 0'	10'
6.192	6.616	EB350	12'	10'
7.164	7.230	EB350	12' TO 0'	8' TO 10'
8.149	8.197	EB350	0' TO 12'	10' TO 8'
8.820	8.895	EB350	12'	10'

**ROUTE 152  
 TYPICAL SECTION  
 1 OF 4**

DESCRIPTION	DATE





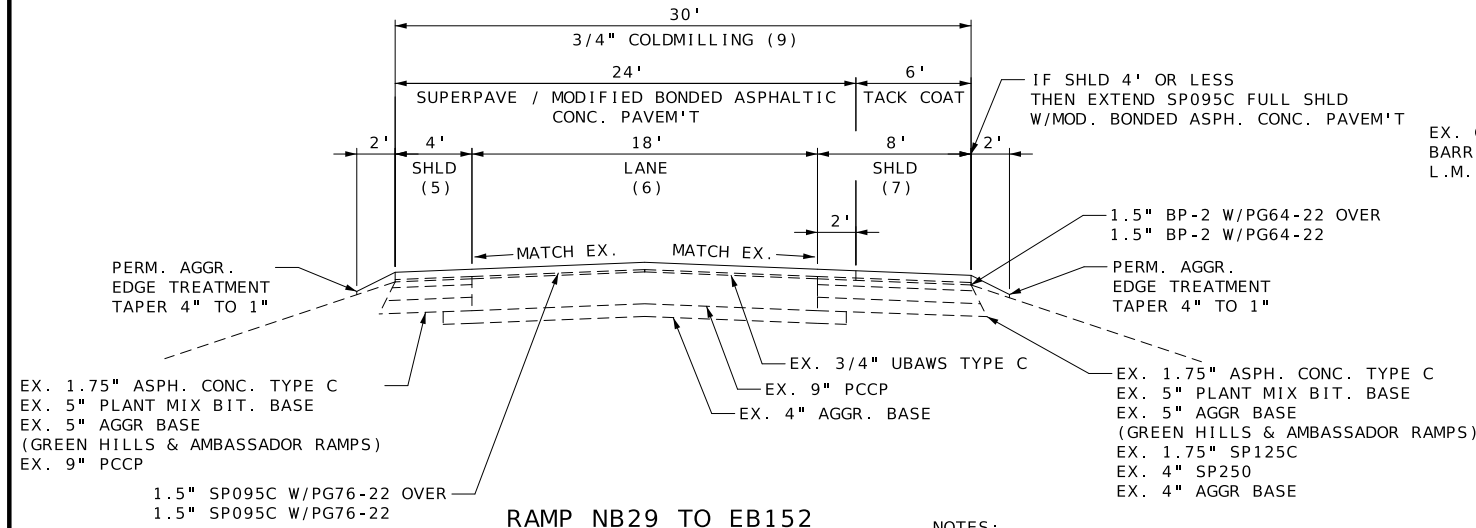
DATE PREPARED  
**7/2/2024**

ROUTE <b>152</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>2</b>
COUNTY <b>PLATTE/CLAY</b>	
JOB NO. <b>JKU0050</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

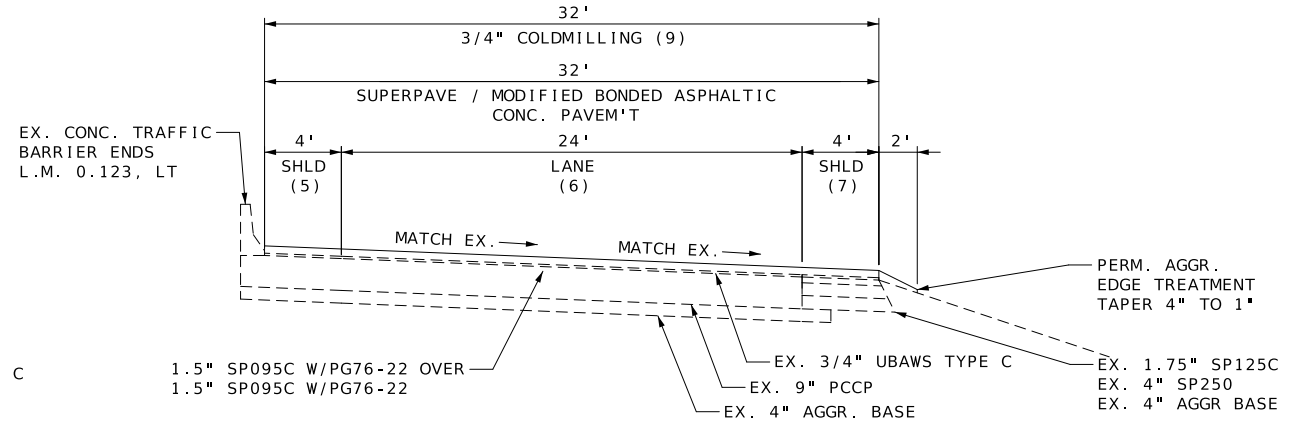
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



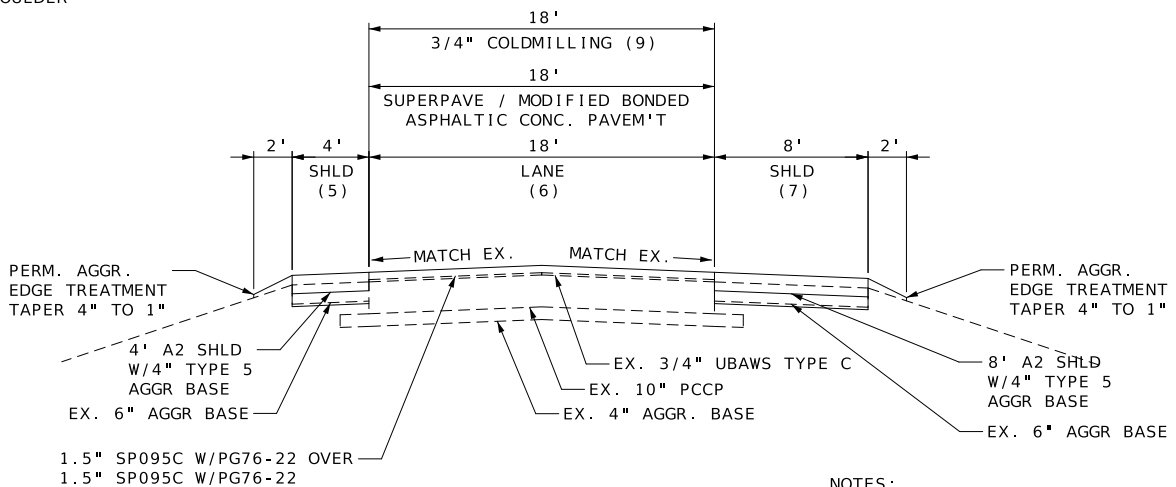
- RAMP NB29 TO EB152**  
L.M. 1.021 TO 1.091
- RAMP EB152 TO GREEN HILLS**  
L.M. 0.000 TO 0.292
- RAMP GREEN HILLS TO EB152**  
L.M. 0.010 TO 0.187
- RAMP EB152 TO SB169**  
L.M. 0.000 TO 0.427
- RAMP NB169 TO EB152**  
L.M. 0.031 TO 0.530
- RAMP WB152 TO NB169**  
L.M. 0.021 TO 0.402
- RAMP SB169 TO WB152**  
L.M. 0.037 TO 0.548
- RAMP WB152 TO GREEN HILLS**  
L.M. 0.000 TO 0.208
- RAMP GREEN HILLS TO WB152**  
L.M. 0.013 TO 0.331
- RAMP WB152 TO AMBASSADOR**  
L.M. 0.000 TO 0.225
- RAMP WB152 TO NB29**  
L.M. 0.000 TO 0.072

NOTES:  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES / SHOULDER



**RAMP AMBASSADOR TO EB152**  
L.M. 0.014 TO 0.283

NOTES:  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES / SHOULDER

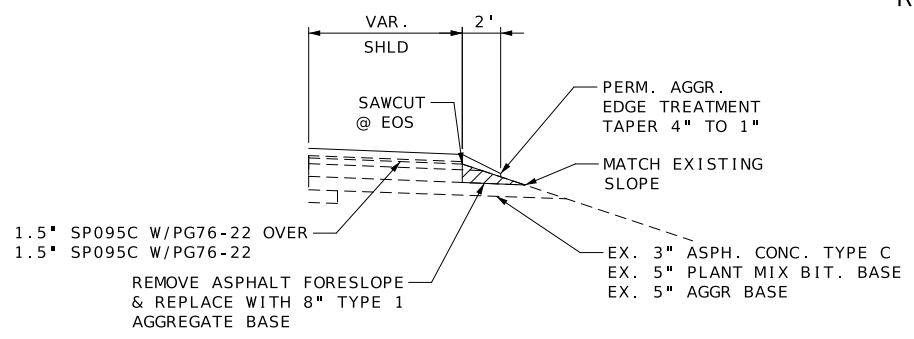


- RAMP EB152 TO PLATTE PURCHASE**  
L.M. 0.000 TO 0.135
- RAMP PLATTE PURCHASE TO EB152**  
L.M. 0.117 TO 0.306
- RAMP WB152 TO PLATTE PURCHASE**  
L.M. 0.013 TO 0.161
- RAMP PLATTE PURCHASE TO WB152**  
L.M. 0.123 TO 0.309

NOTES:  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES / SHOULDER

ASPHALT ESTIMATE FACTORS  
(FOR INFORMATION ONLY)

- SP095C - 1.969 TON/CY
- BP-2 - 1.984 TON/CY
- TACK COAT (COLDMILLED) - 0.1 GAL/SY
- (EXISTING PAVEMENT) - 0.08 GAL/SY
- (NEW ASPHALT) - 0.05 GAL/SY
- MODIFIED BONDED ASPH. CONC. PAVEM'T 0.20 GAL/SY



- RAMP SB169 TO WB152**  
L.M. 0.288 TO 0.352, LT
- RAMP EB152 TO SB169**  
L.M. 0.279 TO 0.419, RT



DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 2

COUNTY  
PLATTE/CLAY

JOB NO.  
JKU0050

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)

LOG MILE	LOG MILE	LOCATION	(5) INSIDE SHLD WIDTH FEET	(6) LANE WIDTH FEET	(7) OUTSIDE SHLD WIDTH FEET
1.021	1.049	RAMP NB29 TO EB152	6'	16'	6'
1.049	1.091	RAMP NB29 TO EB152	GORE (11)	16' TO 12'	6' TO 10'
0.014	0.026	RAMP AMBASSADOR TO EB152	4'	VAR.	2.5'
0.026	0.066	RAMP AMBASSADOR TO EB152	4'	24'	4'
0.066	0.123	RAMP AMBASSADOR TO EB152	4'	24' TO 18'	4' TO 8'
0.123	0.188	RAMP AMBASSADOR TO EB152	4'	18'	8'
0.188	0.283	RAMP AMBASSADOR TO EB152	GORE (11)	18' TO 12'	8' TO 10'
0.000	0.053	RAMP EB152 TO GREEN HILLS	GORE (11)	12' TO 18'	10'
0.053	0.086	RAMP EB152 TO GREEN HILLS	4'	18'	10' TO 8'
0.086	0.174	RAMP EB152 TO GREEN HILLS	4'	18'	8'
0.174	0.192	RAMP EB152 TO GREEN HILLS	4'	18' TO 25'	8'
0.192	0.211	RAMP EB152 TO GREEN HILLS	4'	25' TO 36'	8'
0.211	0.258	RAMP EB152 TO GREEN HILLS	4'	36'	8'
0.258	0.292	RAMP EB152 TO GREEN HILLS	4'	VAR.	8'
0.010	0.013	RAMP GREEN HILLS TO EB152	VAR.	VAR.	VAR.
0.013	0.042	RAMP GREEN HILLS TO EB152	4'	VAR.	8'
0.042	0.140	RAMP GREEN HILLS TO EB152	4'	18'	8'
0.140	0.187	RAMP GREEN HILLS TO EB152	GORE (11)	18' TO 12'	8'
0.000	0.036	RAMP EB152 TO PLATTE PURCHASE	GORE (11)	12' TO 18'	8'
0.036	0.048	RAMP EB152 TO PLATTE PURCHASE	GORE (11)	18'	8' A2
0.048	0.120	RAMP EB152 TO PLATTE PURCHASE	4' A2	18'	8' A2
0.120	0.135	RAMP EB152 TO PLATTE PURCHASE	4' EX. CONC.	18'	8' A2
0.117	0.143	RAMP PLATTE PURCHASE TO EB152	4' EX. CONC.	18'	8' A2
0.143	0.268	RAMP PLATTE PURCHASE TO EB152	4' A2	18'	8' A2
0.268	0.285	RAMP PLATTE PURCHASE TO EB152	GORE (11)	18'	8' A2
0.285	0.306	RAMP PLATTE PURCHASE TO EB152	GORE (11)	18' TO 12'	8' A2
0.000	0.050	RAMP EB152 TO SB169	GORE (11)	12' TO 18'	10' TO 6'
0.050	0.063	RAMP EB152 TO SB169	4'	18'	6' TO 4'
0.063	0.427	RAMP EB152 TO SB169	4'	18'	4'
0.031	0.459	RAMP NB169 TO EB152	4'	18'	4'
0.459	0.530	RAMP NB169 TO EB152	GORE (11)	18' TO 12'	4' TO 6'

(11) QUANTITY INCLUDED IN MAINLINE - RESURFACING TABLE

LOG MILE	LOG MILE	LOCATION	(5) INSIDE SHLD WIDTH FEET	(6) LANE WIDTH FEET	(7) OUTSIDE SHLD WIDTH FEET
0.021	0.047	RAMP WB152 TO NB169	GORE (11)	18'	4'
0.047	0.402	RAMP WB152 TO NB169	4'	18'	4'
0.037	0.428	RAMP SB169 TO WB152	4'	18'	8'
0.428	0.434	RAMP SB169 TO WB152	4' TO 2'	18'	8' TO 2'
0.434	0.496	RAMP SB169 TO WB152	2'	18'	2'
0.496	0.505	RAMP SB169 TO WB152	2'	18'	2' TO 4'
0.505	0.507	RAMP SB169 TO WB152	2'	18'	4'
0.507	0.548	RAMP SB169 TO WB152	GORE (11)	18' TO 12'	4' TO 10'
0.013	0.048	RAMP WB152 TO PLATTE PURCHASE	GORE (11)	12' TO 18'	10' TO 8'
0.048	0.065	RAMP WB152 TO PLATTE PURCHASE	GORE (11)	18' TO 20'	8' TO 9.5' EX. CONC.
0.065	0.093	RAMP WB152 TO PLATTE PURCHASE	4' A2	20' TO 23.3'	9.5' TO 8.3' EX. CONC.
0.093	0.161	RAMP WB152 TO PLATTE PURCHASE	4' A2	18'	EX. CONC. PAVEMENT
0.123	0.142	RAMP PLATTE PURCHASE TO WB152	4' A2	18'	8' EX. CONC.
0.142	0.261	RAMP PLATTE PURCHASE TO WB152	4' A2	18'	8' A2
0.261	0.281	RAMP PLATTE PURCHASE TO WB152	GORE (11)	18'	8' A2
0.281	0.309	RAMP PLATTE PURCHASE TO WB152	GORE (11)	18' TO 12'	8'
0.000	0.053	RAMP WB152 TO GREEN HILLS	GORE (11)	12' TO 18'	8'
0.053	0.069	RAMP WB152 TO GREEN HILLS	4'	18'	8'
0.069	0.144	RAMP WB152 TO GREEN HILLS	4'	18' TO 36'	8'
0.144	0.173	RAMP WB152 TO GREEN HILLS	4'	36'	8'
0.173	0.202	RAMP WB152 TO GREEN HILLS	4'	VAR.	8' TO 6'
0.202	0.208	RAMP WB152 TO GREEN HILLS	4'	VAR.	6'
0.013	0.019	RAMP GREEN HILLS TO WB152	VAR.	VAR.	VAR.
0.019	0.047	RAMP GREEN HILLS TO WB152	4'	VAR.	10.5' TO 8'
0.047	0.249	RAMP GREEN HILLS TO WB152	4'	24'	8'
0.249	0.263	RAMP GREEN HILLS TO WB152	4'	24'	8' TO 10'
0.263	0.331	RAMP GREEN HILLS TO WB152	GORE (11)	24'	10'
0.000	0.045	RAMP WB152 TO AMBASSADOR	GORE (11)	12' TO 18'	10' TO 8'
0.045	0.093	RAMP WB152 TO AMBASSADOR	4'	18'	8'
0.093	0.151	RAMP WB152 TO AMBASSADOR	4'	18' TO 36'	8'
0.151	0.176	RAMP WB152 TO AMBASSADOR	4'	36'	8'
0.176	0.179	RAMP WB152 TO AMBASSADOR	4'	36'	8' TO 3'
0.179	0.215	RAMP WB152 TO AMBASSADOR	C&G	36'	C&G
0.215	0.225	RAMP WB152 TO AMBASSADOR	C&G	VAR.	C&G
0.000	0.044	RAMP WB152 TO NB29	GORE (11)	12' TO 18'	10' TO 4'
0.044	0.072	RAMP WB152 TO NB29	4'	18'	4'

(11) QUANTITY INCLUDED IN MAINLINE - RESURFACING TABLE

ASPHALT ESTIMATE FACTORS  
(FOR INFORMATION ONLY)  
-SP095C - 1.969 TON/CY  
-BP-2 - 1.984 TON/CY  
-TACK COAT  
(COLDMILLED) - 0.1 GAL/SY  
(EXISTING PAVEMENT) - 0.08 GAL/SY  
(NEW ASPHALT) - 0.05 GAL/SY  
-MODIFIED BONDED ASPH. CONC. PAVEM'T  
0.20 GAL/SY

ROUTE 152 RAMPS  
TYPICAL SECTION  
3 OF 4



DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 2

COUNTY PLATTE/CLAY

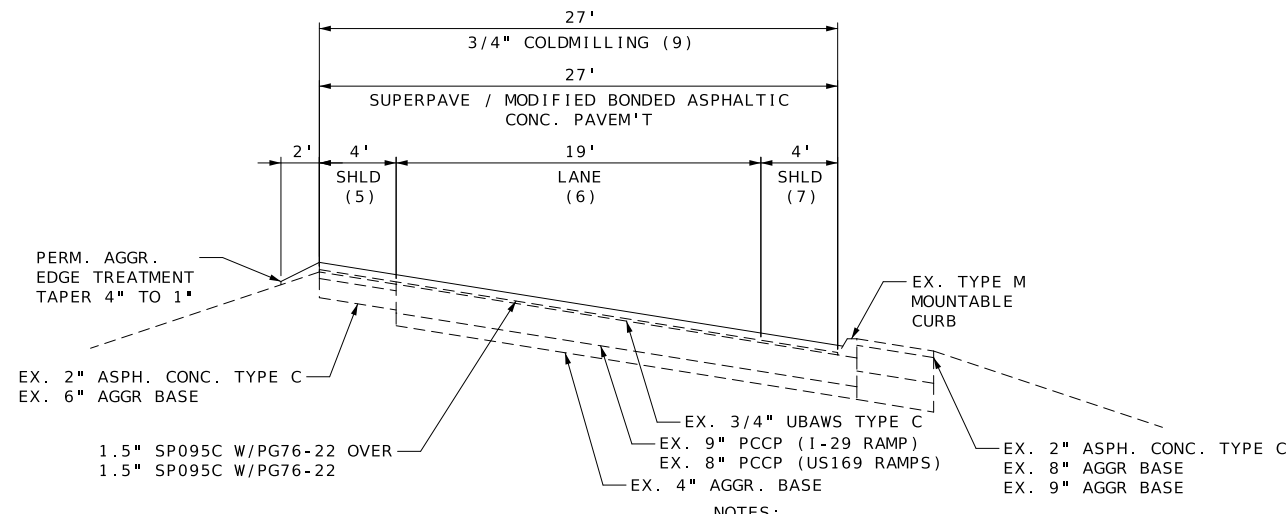
JOB NO. JKU0050  
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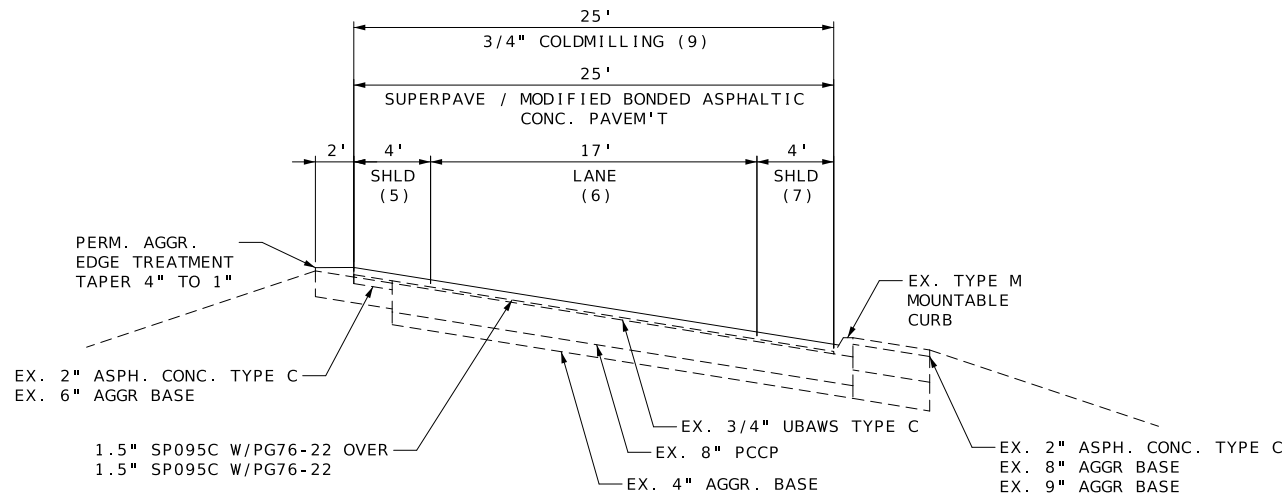
DATE	DESCRIPTION

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



**RAMP EB152 TO NB29**  
L.M. 0.000 TO 0.065  
**RAMP NB169 TO WB152**  
L.M. 0.033 TO 0.314  
**RAMP NB29 TO WB152**  
L.M. 1.263 TO 1.317

NOTES:  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES / SHOULDER

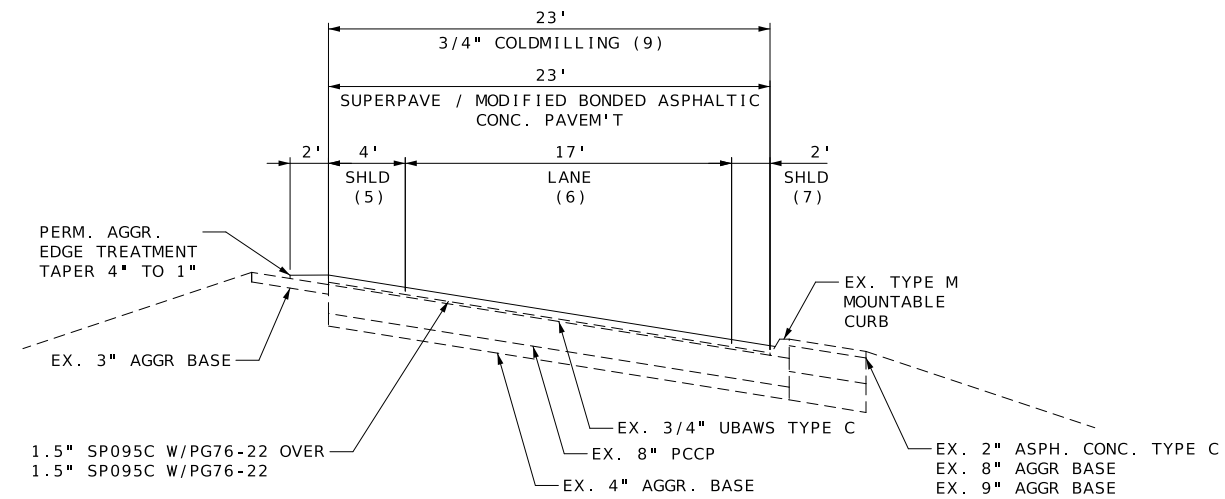


**RAMP SB169 TO EB152**  
L.M. 0.038 TO 0.331  
**RAMP EB152 TO NB169**  
L.M. 0.000 TO 0.334

NOTES:  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES / SHOULDER

LOG MILE	LOG MILE	LOCATION	(5) INSIDE SHLD WIDTH FEET	(6) LANE WIDTH FEET	(7) OUTSIDE SHLD WIDTH FEET
0.000	0.025	RAMP EB152 TO NB29	GORE (11)	12' TO 19'	8'
0.025	0.037	RAMP EB152 TO NB29	GORE (11)	19'	4'
0.037	0.065	RAMP EB152 TO NB29	4'	19'	4'
0.038	0.294	RAMP SB169 TO EB152	4'	17'	4'
0.294	0.296	RAMP SB169 TO EB152	GORE (11)	17'	4'
0.296	0.331	RAMP SB169 TO EB152	GOVE (11)	17' TO 12'	8'
0.000	0.026	RAMP EB152 TO NB169	GORE (11)	12' TO 17'	8'
0.026	0.028	RAMP EB152 TO NB169	GORE (11)	17'	4'
0.028	0.334	RAMP EB152 TO NB169	4'	17'	4'
0.033	0.288	RAMP NB169 TO WB152	4'	19'	4'
0.288	0.314	RAMP NB169 TO WB152	GORE (11)	19' TO 12'	10'
0.000	0.040	RAMP WB152 TO SB169	GORE (11)	12' TO 19'	10' TO 8'
0.040	0.046	RAMP WB152 TO SB169	2' TO 4'	19' TO 17'	8'
0.046	0.344	RAMP WB152 TO SB169	4'	17'	2'
0.344	0.351	RAMP WB152 TO SB169	4' TO 2'	17'	2'
0.351	0.359	RAMP WB152 TO SB169	2'	17'	2'
1.263	1.290	RAMP NB29 TO WB152	4'	19'	4'
1.290	1.292	RAMP NB29 TO WB152	GORE (11)	19'	4'
1.292	1.299	RAMP NB29 TO WB152	GORE (11)	19'	8'
1.299	1.317	RAMP NB29 TO WB152	GORE (11)	19' TO 12'	8' TO 6'

(11) QUANTITY INCLUDED IN MAINLINE - RESURFACING TABLE



**RAMP WB152 TO SB169**  
L.M. 0.000 TO 0.359

NOTES:  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE LANES / SHOULDER

**ASPHALT ESTIMATE FACTORS**  
(FOR INFORMATION ONLY)

- SP095C - 1.969 TON/CY
- BP-2 - 1.984 TON/CY
- TACK COAT  
(COLDMILLED)- 0.1 GAL/SY  
(EXISTING PAVEMENT) - 0.08 GAL/SY  
(NEW ASPHALT) - 0.05 GAL/SY
- MODIFIED BONDED ASPH. CONC. PAVEM'T  
0.20 GAL/SY

**REMOVAL OF IMPROVEMENTS**

LOG MILE	LOG MILE	LOCATION	UNIT	QUANTITY	ITEM	REMARKS
5.483	0.042	EB152 RT, RAMP EB152 TO NB29 RT	LF	373	GUARDRAIL	SE CORNER BRIDGE A3976
5.823	5.900	EB152, LT	LF	404	GUARDRAIL	NW CORNER BRIDGE A6683
5.823	5.900	EB152, RT	LF	404	GUARDRAIL	SW CORNER BRIDGE A6683
0.026	6.161	RAMP AMBASSADOR TO EB152 RT, EB152 RT	LF	1204	GUARDRAIL	
7.561	7.639	EB152, LT	LF	408	GUARDRAIL	NW CORNER BRIDGE A6473
7.559	7.639	EB152, RT	LF	420	GUARDRAIL	SW CORNER BRIDGE A6473
8.178	8.219	EB152, RT	LF	202	GUARDRAIL	
0.390	0.446	RAMP NB29 TO EB152, LT	LF	303	GUARDRAIL	
0.012	0.417	RAMP NB29 TO EB152, RT	LF	2134	GUARDRAIL	
0.190	0.257	RAMP WB152 TO NB169, LT	LF	377	GUARDRAIL	
0.180	0.257	RAMP WB152 TO NB169, RT	LF	377	GUARDRAIL	
9.146	9.223	WB152, LT	LF	398	GUARDRAIL	SW CORNER BRIDGE A3634
9.146	9.223	WB152, RT	LF	398	GUARDRAIL	NW CORNER BRIDGE A3634
10.899	10.976	WB152, LT	LF	406	GUARDRAIL	SE CORNER BRIDGE A6682
10.899	10.976	WB152, RT	LF	406	GUARDRAIL	NE CORNER BRIDGE A6682
11.000	11.070	WB152, LT	LF	367	GUARDRAIL	SW CORNER BRIDGE A6682
11.000	11.070	WB152, RT	LF	367	GUARDRAIL	NW CORNER BRIDGE A6682
11.345	11.418	WB152, LT	LF	385	GUARDRAIL	SE CORNER BRIDGE A3975
1.264	11.418	RAMP NB29 TO WB152 RT, WB152 RT	LF	385	GUARDRAIL	NE CORNER BRIDGE A3975
		PROJECT LIMITS (1)	SY	1050	EX. SHOULDER	FOR SHOULDER REPAIR
		PROJECT LIMITS (1)	LF	1100	SAWCUT	FOR SHOULDER REPAIR
8.309		EB152, RT (RAMP EB152 TO PLATTE PURCHASE)	LF	8	SAWCUT	FOR A2 SHOULDER
0.048		RAMP EB152 TO PLATTE PURCHASE, LT	LF	4	SAWCUT	FOR A2 SHOULDER
8.800		EB152, RT (RAMP PLATTE PURCHASE TO EB152)	LF	8	SAWCUT	FOR A2 SHOULDER
0.268		RAMP PLATTE PURCHASE TO EB152, LT	LF	4	SAWCUT	FOR A2 SHOULDER
0.065		RAMP WB152 TO PLATTE PURCHASE, LT	LF	4	SAWCUT	FOR A2 SHOULDER
8.568		WB152, RT (RAMP PLATTE PURCHASE TO WB152)	LF	8	SAWCUT	FOR A2 SHOULDER
0.261		RAMP PLATTE PURCHASE TO WB152, LT	LF	4	SAWCUT	FOR A2 SHOULDER
0.279	0.419	RAMP EB152 TO SB169, RT AT EOS	LF	742	SAWCUT	FOR AGGREGATE FORESLOPE
0.279	0.419	RAMP EB152 TO SB169, RT	SY	495	ASPHALT FORESLOPE	FOR AGGREGATE FORESLOPE
0.288	0.352	RAMP SB169 TO WB152, LT AT EOS	LF	329	SAWCUT	FOR AGGREGATE FORESLOPE
0.288	0.352	RAMP SB169 TO WB152, LT	SY	147	ASPHALT FORESLOPE	FOR AGGREGATE FORESLOPE
		1 LUMP SUM				

(1) - AS DIRECTED BY THE ENGINEER

AGGREGATE FORESLOPE						
LOG MILE	LOG MILE	LOCATION	WIDTH FEET	TYPE 1 AGGREGATE FOR BASE (8" THICK) SY	LINEAR GRADING CLASS II STA	SUBGRADE COMPACTION (6" DEPTH) 100FT
0.279	0.419	RAMP EB152 TO SB169, RT	6	493	7.4	7.4
0.288	0.352	RAMP SB169 TO WB152, LT	4	150	3.4	3.4
		SUB-TOTALS		643	10.8	10.8
		PAY-TOTALS		643	(1)	(1)

(1) - SEE A2 SHOULDER TABLE FOR PAY-TOTALS

SHOULDER REPAIR				
LOCATION	TYPE A2 SHOULDER SY	TYPE 5 AGGREGATE FOR BASE (4" THICK) SY	LINEAR GRADING CLASS II STA	SUBGRADE COMPACTION (6" DEPTH) 100FT
PROJECT LIMITS (1)	1050	1050	10.0	10.0
PAY-TOTALS (2)	(2)	(2)	(2)	(2)

(1) - AS DIRECTED BY THE ENGINEER  
 (2) - SEE A2 SHOULDER TABLE FOR PAY-TOTALS

<b>MOBILIZATION</b>
1 LUMP SUM

A2 SHOULDER							
LOG MILE	LOG MILE	LOCATION	WIDTH FEET	TYPE A2 SHOULDER SY	TYPE 5 AGGREGATE FOR BASE (4" THICK) SY	LINEAR GRADING CLASS II STA	SUBGRADE COMPACTION (6" DEPTH) 100FT
0.036	0.135	RAMP EB152 TO PLATTE PURCHASE, RT	8	465	465	5.2	5.2
0.048	0.120	RAMP EB152 TO PLATTE PURCHASE, LT	4	169	169	3.8	3.8
0.117	0.285	RAMP PLATTE PURCHASE TO EB152, RT	8	788	788	8.9	8.9
0.143	0.268	RAMP PLATTE PURCHASE TO EB152, LT	4	293	293	6.6	6.6
0.065	0.161	RAMP WB152 TO PLATTE PURCHASE, LT	4	225	225	5.1	5.1
0.142	0.281	RAMP PLATTE PURCHASE TO WB152, RT	8	652	652	7.3	7.3
0.123	0.261	RAMP PLATTE PURCHASE TO WB152, LT	4	324	324	7.3	7.3
		SUB-TOTAL		2916	2916	44.2	44.2
		SUB-TOTAL (1)		1050	1050	10.0	10.0
		SUB-TOTAL (2)				10.8	10.8
		PAY-TOTAL		3966	3966	65.0	65.0

(1) - SUB-TOTALS FROM SHOULDER REPAIR TABLE  
 (2) - SUB-TOTALS FROM AGGREGATE FORESLOPE TABLE

BITUMINOUS SHOULDER RUMBLE STRIP				
LOG MILE	LOG MILE	LOCATION	BITUMINOUS SHOULDER RUMBLE STRIP STA	REMARKS
5.503	5.889	EB152	40.8	INSIDE & OUTSIDE SHLDS
5.934	7.629	EB152	179.0	INSIDE & OUTSIDE SHLDS
7.685	9.636	EB152	206.0	INSIDE & OUTSIDE SHLDS
7.246	9.215	WB152	208.0	INSIDE & OUTSIDE SHLDS
9.271	10.966	WB152	179.0	INSIDE & OUTSIDE SHLDS
11.010	11.398	WB152	41.0	INSIDE & OUTSIDE SHLDS
		PAY-TOTALS	634.0	

**SUMMARY OF QUANTITIES  
SHEET 1 OF 12**



DATE PREPARED  
**7/1/2024**

ROUTE **152** STATE **MO**

DISTRICT **KC** SHEET NO. **3**

COUNTY **PLATTE/CLAY**

JOB NO. **JKU0050**

CONTRACT ID.

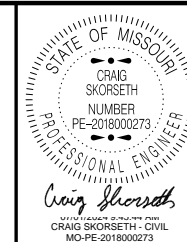
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
7/1/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3  
COUNTY PLATTE/CLAY  
JOB NO. JKU0050  
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)

RESURFACING - MAINLINE 1											
LOG MILE	LOG MILE	LOCATION	LANE WIDTH FEET	SHOULDER WIDTH FEET	3" ASPH. PAVE. MIX. PG76-22 SP095C TON	3" BIT. PAVE. MIX. PG64-22 BP-2 TON	MOD. BONDED ASPH. CONC. PAVEMENT GAL	TACK COAT GAL	UBAWS TYPE C SY	REMARKS	
5.481	5.483	EB152	36'	6' IN, 6' OUT					56		
5.483	5.491	EB152	36'	6' TO 4' IN, 6' OUT					221		
5.491	5.497	EB152	36'	4' IN, 6' OUT	24.3	2.3	60	10		SP-4' IN & 2' OUT	
5.497	5.512	EB152	36'	4' IN, 6' TO 8' OUT	60.6	10.2	150	10		SP-4' IN & 2' OUT	
5.512	5.550	EB152	24'	4' IN	125.6		310			SP-4' IN & GORE	
5.550	5.595	EB152	24'	4' IN, 20' TO 10' OUT	130	56.7	320	50		SP-4' IN & 2' OUT	
5.595	5.766	EB152	24'	4' IN, 10' OUT	493.8	132.7	1200	120		SP-4' IN & 2' OUT	
5.766	5.809	EB152	24'	4' IN	131.6		320			SP-4' IN & GORE	
5.809	5.823	EB152	36'	4' IN, 10' OUT	56.6	10.9	140	10		SP-4' IN & 2' OUT	
5.823	5.889	EB152	36'	6' IN, 10' OUT	254.1	76.8	620	70		SP-2' IN & 2' OUT	
5.889	5.900	EB152	36'	6' IN, 10' OUT					323		
5.900	5.931	EB152								EXCEPTION BR. A6683	
5.931	5.934	EB152	36'	6' IN, 10' OUT	12.7	2.3	30	10		SP-6' IN & 2' OUT	
5.934	5.940	EB152	36'	6' TO 5' IN, 10' OUT	25.1	4.7	60	10		SP-6' TO 5' IN & 2' OUT	
5.940	5.948	EB152	36' TO 34'	5' TO 4' IN, 10' OUT	32	6.2	80	10		SP-5' TO 4' IN & 2' OUT	
5.948	5.986	EB152	34' TO 24'	4' IN, 10' OUT	128	29.5	310	30		SP-5' TO 4' IN & 2' OUT	
5.986	6.096	EB152	24'	4' IN, 10' OUT	317.7	85.4	770	80		SP-4' IN & 2' OUT	
6.096	6.192	EB152	24'	4' IN	293.3		710			SP-4' IN & GORE	
6.192	6.616	EB152	36'	4' IN, 10' OUT	1714.2	329	4180	300		SP-4' IN & 2' OUT	
6.616	6.670	EB152	24'	4' IN	177		430			SP-4' IN & GORE	
6.670	6.700	EB152	24'	4' IN, 16' TO 10' OUT	86.6	32	210	30		SP-4' IN & 2' OUT	
6.700	7.049	EB152	24'	4' IN, 10' OUT	1007.9	270.8	2460	250		SP-4' IN & 2' OUT	
7.049	7.096	EB152	24'	4' IN	147.6		360			SP-4' IN & GORE	
7.096	7.164	EB152	36'	4' IN, 8' OUT	274.9	39.6	670	40		SP-4' IN & 2' OUT	
7.164	7.230	EB152	36' TO 24'	4' IN, 8' TO 10' OUT	228.7	44.8	560	40		SP-4' IN & 2' OUT	
7.230	7.561	EB152	24'	4' IN, 10' OUT	955.9	256.8	2330	230		SP-4' IN & 2' OUT	
7.561	7.629	EB152	24'	6' IN, 10' OUT	183.3	79.1	450	70		SP-2' IN & 2' OUT	
7.629	7.685	EB152								EXCEPTION BR. A6473	
7.685	7.700	EB152	24'	6' IN, 10' OUT	40.4	17.5	100	20		SP-2' IN & 2' OUT	
7.700	7.722	EB152	24'	6' TO 4' IN, 10' OUT	65.7	17.1	160	20		SP-6' TO 4' IN & 2' OUT	
7.722	8.149	EB152	24'	4' IN, 10' OUT	1233.1	331.3	3010	300		SP-4' IN & 2' OUT	
8.149	8.197	EB152	24' TO 36'	4' IN, 10' TO 8' OUT	166.3	32.6	410	30		SP-4' IN & 2' OUT	
8.197	8.273	EB152	36'	4' IN, 8' OUT	307.3	44.2	750	40		SP-4' IN & 2' OUT	
8.273	8.321	EB152	24'	4' IN	151.9		370			SP-4' IN & GORE	
8.321	8.332	EB152	24'	4' IN, 15' TO 10' OUT	31.8	11.2	80	10		SP-4' IN & 2' OUT	
8.332	8.542	EB152	24'	4' IN, 10' OUT	606.5	163	1480	150		SP-4' IN & 2' OUT	
8.542	8.782	EB152	24'	6' IN, 10' OUT	646.9	279.3	1580	250		SP-2' IN & 2' OUT	
8.782	8.820	EB152	24'	6' IN	110	14.7	270	10		SP-2' IN & GORE	
8.820	8.895	EB152	36'	6' IN, 10' OUT	288.8	87.3	700	80		SP-2' IN & 2' OUT	
8.895	8.945	EB152	24'	6' IN	153.6	19.4	370	20		SP-2' IN & GORE	
8.945	8.976	EB152	24'	6' IN, 12' TO 10' OUT	83.6	33.1	200	30		SP-2' IN & 2' OUT	
8.976	9.176	EB152	24'	6' IN, 10' OUT	539.1	232.8	1310	210		SP-2' IN & 2' OUT	
9.176	9.214	EB152	24'	6' IN	108.6	14.7	260	10		SP-2' IN & GORE	
9.214	9.361	EB152	36'	6' IN, 8' OUT	566	142.6	1380	130		SP-2' IN & 2' OUT	
9.361	9.390	EB152	24'	6' IN	94.4	11.3	230	10		SP-2' IN & GORE	
9.390	9.415	EB152	24'	6' IN, 24' TO 10' OUT	67.4	46.1	160	40		SP-2' IN & 2' OUT	
9.415	9.601	EB152	24'	6' IN, 10' OUT	501.3	216.5	1220	200		SP-2' IN & 2' OUT	
9.601	9.605	EB152	24'	6' IN	14.6	1.6	40	10		SP-2' IN & GORE	
9.605	9.636	EB152	24'	4' IN	89.4		220			SP-4' IN & GORE	
				SUB-TOTAL	12728.2	3186.1	31030	2940	600		
				1	(1)	(1)	(1)	(1)	(1)		

IN - INSIDE SHOULDER  
OUT - OUTSIDE SHOULDER  
SP - SUPERPAVE

(1) - SEE RESURFACING MAINLINE TABLE 2 FOR PAY-TOTALS







DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY PLATTE/CLAY  
JOB NO. JKU0050  
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

RESURFACING - RAMPS & SIDEROADS 1

Table with columns: LOG MILE, LOG MILE, LOCATION, LANE WIDTH FEET, SHOULDER WIDTH FEET, ASPH. PAVE. MIX., BIT. PAVE. MIX., MOD. BONDED ASPH. CONC., TACK COAT, UBAWS TYPE C, REMARKS. Includes rows for various ramp locations and a summary row.

IN - INSIDE SHOULDER  
OUT - OUTSIDE SHOULDER  
SP - SUPERPAVE

Summary table with columns: SUB-TOTAL, PAY-TOTAL. Values: 4948.0, 510.6, 12550, 460, 298, 1, 1, 1, 1, 1.

(1) - SEE RESURFACING MAINLINE TABLE 2 FOR PAY-TOTALS

Table with columns: DESCRIPTION, DATE. Multiple empty rows.

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





DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY  
PLATTE/CLAY

JOB NO.  
JKU0050

CONTRACT ID.

PROJECT NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RESURFACING - RAMPS & SIDEROADS 3

LOG MILE	LOG MILE	LOCATION	LANE WIDTH FEET	SHOULDER WIDTH FEET	3" ASPH. PAVE. MIX. PG76-22 SP095C TON	3" BIT. PAVE. MIX. PG64-22 BP-2 TON	MOD. BONDED ASPH. CONC. PAVEMENT GAL	TACK COAT GAL	UBAWS TYPE C SY	REMARKS
0.000	0.045	RAMP WB152 TO AMBASSADOR	12' TO 18'	10' TO 8' OUT	73.6	30.6	180	30		SP-2' OUT
0.045	0.093	RAMP WB152 TO AMBASSADOR	18'	4' IN, 8' OUT	110.9	27.9	270	30		SP-4' IN & 2' OUT
0.093	0.151	RAMP WB152 TO AMBASSADOR	18' TO 36'	4' IN, 8' OUT	184.2	33.8	450	30		SP-4' IN & 2' OUT
0.151	0.176	RAMP WB152 TO AMBASSADOR	36'	4' IN, 8' OUT	75.5	14.5	250	10		SP-4' IN & 2' OUT, DEPTH TRANS 3" TO 1-1/4"
0.176	0.179	RAMP WB152 TO AMBASSADOR	36'	4' IN, 8' TO 3' OUT	6.0		30			SP-4' IN & 8' TO 3' OUT, DEPTH TRANS 3" TO 1-1/4"
0.179	0.215	RAMP WB152 TO AMBASSADOR	36'	C&G					854	
0.215	0.225	RAMP WB152 TO AMBASSADOR	VAR	C&G					309	RAMP RADIUSES
0.000	0.044	RAMP WB152 TO NB29	12' TO 18'	10' TO 4' OUT	93.2		230			SP-10' TO 4' OUT
0.044	0.072	RAMP WB152 TO NB29	18'	4' IN, 4' OUT	49.6		170			SP-4' IN & 4' OUT, DEPTH TRANS 3" TO 1-1/4"
1.263	1.290	RAMP NB29 TO WB152	19'	4' IN, 4' OUT	49.7		170			SP-4' IN & 4' OUT, CURB OUT, DEPTH TRANS 1-1/4" TO 3"
1.290	1.292	RAMP NB29 TO WB152	19'	4' OUT	4.4		10			SP-4' OUT, CURB OUT
1.292	1.299	RAMP NB29 TO WB152	19'	8' OUT	15.5		40			SP-8' OUT
1.299	1.317	RAMP NB29 TO WB152	19' TO 12'	8' TO 6' OUT	27.6		100			SP-8' TO 6' OUT
					SUB-TOTAL	690.2	1900	100	1163	
					PAY-TOTAL	(1)	(1)	(1)	(1)	

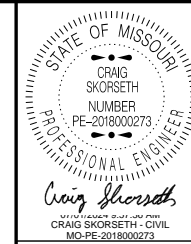
IN - INSIDE SHOULDER  
OUT - OUTSIDE SHOULDER  
SP - SUPERPAVE

(1) - SEE RESURFACING MAINLINE TABLE 2 FOR PAY-TOTALS

GUARDRAIL

LOG MILE	LOG MILE	LOCATION	MGS GUARDRAIL 8' POSTS 6'-3" SPACING LF	MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) EACH	MGS BRIDGE APPROACH TRANSITION SECTION (REG./NO CURB) EACH	MGS LONG SPAN GUARDRAIL SECTION EACH	MGS END ANCHOR EACH	TYPE A CRASHWORTHY END TERMINAL (MASH) EACH	SHAPING SLOPES CLASS 3 (MOD. MAT. REQUIREMENT) (1) 100FT	REMARKS
5.483	5.497	EB152, RT	25.0		1		1		0.4	SE CORNER BRIDGE A3976
5.823	5.900	EB152, LT	312.5	1				1	1.2	NW CORNER BRIDGE A6683
5.854	5.900	EB152, RT	150.0	1				1	1.2	SW CORNER BRIDGE A6683
0.026	6.161	RAMP AMBASSADOR TO EB152 RT, EB152 RT	1175.0				2			
7.563	7.639	EB152, LT	312.5		1			1	1.2	NW CORNER BRIDGE A6473
7.594	7.639	EB152, RT	150.0		1			1	1.2	SW CORNER BRIDGE A6473
8.188	8.216	EB152, RT	87.5				1	1	0.8	
0.385	0.447	RAMP NB29 TO EB152, LT	265.5				1	1	0.8	
0.043	0.417	RAMP NB29 TO EB152, RT	1912.5				1	1	0.8	
0.179	0.260	RAMP WB152 TO NB169, LT	237.5			1	1	1	1.9	LONG-SPAN CENTERED ON HEADWALL
0.176	0.256	RAMP WB152 TO NB169, RT	237.5			1	1	1	1.9	LONG-SPAN CENTERED ON HEADWALL
9.178	9.223	WB152, LT	150.0		1			1	1.2	SW CORNER BRIDGE A3634
9.178	9.223	WB152, RT	150.0		1			1	1.2	NW CORNER BRIDGE A3634
10.922	10.976	WB152, LT	200.0	1				1	1.2	SE CORNER BRIDGE A6682
10.931	10.976	WB152, RT	150.0	1				1	1.2	NE CORNER BRIDGE A6682
11.000	11.032	WB152, LT	112.5	1			1		0.4	SW CORNER BRIDGE A6682
11.000	11.032	WB152, RT	112.5	1			1		0.4	NW CORNER BRIDGE A6682
11.363	11.418	WB152, LT	200.0		1			1	1.2	SE CORNER BRIDGE A3975
1.283	11.418	RAMP NB29 TO WB152 RT, WB152 RT	200.0		1			1	1.2	NE CORNER BRIDGE A3975
			SUB-TOTALS	6140.5	6	2	10	15	19.4	
			PAY-TOTALS	6140.5	6	2	10	15	19	

(1) - SHAPING SLOPES CLASS 3 FOR CRASHWORTHY END TERMINAL (MASH), MGS BRIDGE APPROACH TRANSITION SECTION, & MGS LONG SPAN GUARDRAIL SECTION



Craig Skorseith  
Professional Engineer

DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

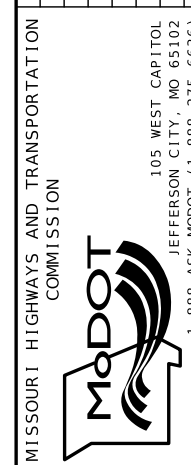
COUNTY  
PLATTE/CLAY

JOB NO.  
JKU0050  
CONTRACT ID.

PROJECT NO.  
  
BRIDGE NO.

DATE	DESCRIPTION

DATE



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PERMANENT AGGREGATE EDGE TREATMENT

LOG MILE	LOG MILE	LOCATION	PERMANENT AGGR. EDGE TREATMENT	REMARKS
			TONS	
5.503	5.889	EB152, IN SHLD	62	EOS 4" THICK TAPER TO 1", 2' WIDE
5.931	7.629	EB152, IN SHLD	274	EOS 4" THICK TAPER TO 1", 2' WIDE
7.685	9.636	EB152, IN SHLD	315	EOS 4" THICK TAPER TO 1", 2' WIDE
5.503	5.512	EB152, OUT SHLD	1	EOS 4" THICK TAPER TO 1", 2' WIDE
5.550	5.766	EB152, OUT SHLD	35	EOS 4" THICK TAPER TO 1", 2' WIDE
5.809	5.889	EB152, OUT SHLD	13	EOS 4" THICK TAPER TO 1", 2' WIDE
6.052	6.096	EB152, OUT SHLD	7	EOS 4" THICK TAPER TO 1", 2' WIDE
6.192	6.616	EB152, OUT SHLD	68	EOS 4" THICK TAPER TO 1", 2' WIDE
6.670	7.049	EB152, OUT SHLD	61	EOS 4" THICK TAPER TO 1", 2' WIDE
7.096	7.629	EB152, OUT SHLD	86	EOS 4" THICK TAPER TO 1", 2' WIDE
7.685	8.273	EB152, OUT SHLD	95	EOS 4" THICK TAPER TO 1", 2' WIDE
8.321	8.782	EB152, OUT SHLD	74	EOS 4" THICK TAPER TO 1", 2' WIDE
8.820	8.895	EB152, OUT SHLD	12	EOS 4" THICK TAPER TO 1", 2' WIDE
8.945	9.176	EB152, OUT SHLD	37	EOS 4" THICK TAPER TO 1", 2' WIDE
9.214	9.361	EB152, OUT SHLD	24	EOS 4" THICK TAPER TO 1", 2' WIDE
9.390	9.601	EB152, OUT SHLD	34	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.025	RAMP EB152 TO NB29, OUT SHLD	4	EOS 4" THICK TAPER TO 1", 2' WIDE
0.037	0.065	RAMP EB152 TO NB29 IN SHLD	5	EOS 4" THICK TAPER TO 1", 2' WIDE
1.021	1.091	RAMP NB29 TO EB152, OUT SHLD	11	EOS 4" THICK TAPER TO 1", 2' WIDE
1.021	1.049	RAMP NB29 TO EB152, IN SHLD	5	EOS 4" THICK TAPER TO 1", 2' WIDE
0.026	0.283	RAMP AMBASSADOR TO EB152, OUT SHLD	41	EOS 4" THICK TAPER TO 1", 2' WIDE
0.123	0.188	RAMP AMBASSADOR TO EB152, IN SHLD	10	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.286	RAMP EB152 TO GREEN HILLS, OUT SHLD	46	EOS 4" THICK TAPER TO 1", 2' WIDE
0.053	0.286	RAMP EB152 TO GREEN HILLS, IN SHLD	38	EOS 4" THICK TAPER TO 1", 2' WIDE
0.013	0.187	RAMP GREEN HILLS TO EB152, OUT SHLD	28	EOS 4" THICK TAPER TO 1", 2' WIDE
0.013	0.140	RAMP GREEN HILLS TO EB152, IN SHLD	20	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.135	RAMP EB152 TO PLATTE PURCHASE, OUT SHLD	22	EOS 4" THICK TAPER TO 1", 2' WIDE
0.048	0.135	RAMP EB152 TO PLATTE PURCHASE, IN SHLD	14	EOS 4" THICK TAPER TO 1", 2' WIDE
0.117	0.306	RAMP PLATTE PURCHASE TO EB152	30	EOS 4" THICK TAPER TO 1", 2' WIDE
0.117	0.268	RAMP PLATTE PURCHASE TO EB152	24	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.427	RAMP EB152 TO SB169, OUT SHLD	69	EOS 4" THICK TAPER TO 1", 2' WIDE
0.050	0.427	RAMP EB152 TO SB169, IN SHLD	61	EOS 4" THICK TAPER TO 1", 2' WIDE
0.296	0.331	RAMP SB169 TO EB152, OUT SHLD	6	EOS 4" THICK TAPER TO 1", 2' WIDE
0.038	0.294	RAMP SB169 TO EB152, IN SHLD	41	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.026	RAMP EB152 TO NB169, OUT SHLD	4	EOS 4" THICK TAPER TO 1", 2' WIDE
0.028	0.334	RAMP EB152 TO NB169, IN SHLD	49	EOS 4" THICK TAPER TO 1", 2' WIDE
0.031	0.530	RAMP NB169 TO EB152, OUT SHLD	81	EOS 4" THICK TAPER TO 1", 2' WIDE
0.031	0.495	RAMP NB169 TO EB152, IN SHLD	75	EOS 4" THICK TAPER TO 1", 2' WIDE
SUB-TOTAL			1882	
PAY-TOTAL			(1)	

(1) - SEE PERMANENT AGGREGATE EDGE TREATMENT TABLE 2 FOR PAY-TOTAL

RESURFACING - VEGATATIVE BARRIER

LOG MILE	LOG MILE	LOCATION	VEGATATIVE BARRIER WIDTH FEET	3" ASPH. PAVE. MIX. PG76-22 SP095C TON	REMARKS
5.491	5.823	EB350, LT	3	95.9	MEDIAN FORESLOPE
5.934	7.561	EB350, LT	3	469.9	MEDIAN FORESLOPE
7.685	8.542	EB350, LT	3	247.5	MEDIAN FORESLOPE
7.246	8.313	WB350, LT	3	308.1	MEDIAN FORESLOPE
SUB-TOTAL				1121.4	
PAY-TOTAL				(1)	

(1) - SEE RESURFACING MAINLINE TABLE 2 FOR PAY-TOTAL

PERMANENT AGGREGATE EDGE TREATMENT 2				
LOG MILE	LOG MILE	LOCATION	PERMANENT AGGR. EDGE TREATMENT TONS	REMARKS
7.246	9.221	WB152, IN SHLD	319	EOS 4" THICK TAPER TO 1", 2' WIDE
9.265	10.972	WB152, IN SHLD	275	EOS 4" THICK TAPER TO 1", 2' WIDE
11.005	11.398	WB152, IN SHLD	63	EOS 4" THICK TAPER TO 1", 2' WIDE
7.273	7.443	WB152, OUT SHLD	27	EOS 4" THICK TAPER TO 1", 2' WIDE
7.470	7.629	WB152, OUT SHLD	26	EOS 4" THICK TAPER TO 1", 2' WIDE
7.673	7.859	WB152, OUT SHLD	30	EOS 4" THICK TAPER TO 1", 2' WIDE
7.901	8.096	WB152, OUT SHLD	31	EOS 4" THICK TAPER TO 1", 2' WIDE
8.147	8.547	WB152, OUT SHLD	65	EOS 4" THICK TAPER TO 1", 2' WIDE
8.595	9.221	WB152, OUT SHLD	101	EOS 4" THICK TAPER TO 1", 2' WIDE
9.265	9.774	WB152, OUT SHLD	82	EOS 4" THICK TAPER TO 1", 2' WIDE
9.828	10.242	WB152, OUT SHLD	67	EOS 4" THICK TAPER TO 1", 2' WIDE
10.310	10.755	WB152, OUT SHLD	72	EOS 4" THICK TAPER TO 1", 2' WIDE
10.801	10.972	WB152, OUT SHLD	28	EOS 4" THICK TAPER TO 1", 2' WIDE
11.005	11.085	WB152, OUT SHLD	13	EOS 4" THICK TAPER TO 1", 2' WIDE
11.130	11.369	WB152, OUT SHLD	39	EOS 4" THICK TAPER TO 1", 2' WIDE
0.021	0.402	RAMP WB152 TO NB169, OUT SHLD	61	EOS 4" THICK TAPER TO 1", 2' WIDE
0.047	0.402	RAMP WB152 TO NB169, IN SHLD	57	EOS 4" THICK TAPER TO 1", 2' WIDE
0.288	0.314	RAMP NB169 TO WB152, OUT SHLD	4	EOS 4" THICK TAPER TO 1", 2' WIDE
0.033	0.288	RAMP NB169 TO WB152, IN SHLD	41	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.046	RAMP WB152 TO SB169, OUT SHLD	7	EOS 4" THICK TAPER TO 1", 2' WIDE
0.351	0.359	RAMP WB152 TO SB169, OUT SHLD	1	EOS 4" THICK TAPER TO 1", 2' WIDE
0.040	0.359	RAMP WB152 TO SB169, IN SHLD	51	EOS 4" THICK TAPER TO 1", 2' WIDE
0.037	0.548	RAMP SB169 TO WB152, OUT SHLD	82	EOS 4" THICK TAPER TO 1", 2' WIDE
0.037	0.507	RAMP SB169 TO WB152, IN SHLD	76	EOS 4" THICK TAPER TO 1", 2' WIDE
0.013	0.093	RAMP WB152 TO PLATTE PURCHASE, OUT SHLD	13	EOS 4" THICK TAPER TO 1", 2' WIDE
0.065	0.093	RAMP WB152 TO PLATTE PURCHASE, IN SHLD	5	EOS 4" THICK TAPER TO 1", 2' WIDE
0.123	0.309	RAMP PLATTE PURCHASE TO WB152, OUT SHLD	30	EOS 4" THICK TAPER TO 1", 2' WIDE
0.123	0.261	RAMP PLATTE PURCHASE TO WB152, IN SHLD	22	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.202	RAMP WB152 TO GREEN HILLS, OUT SHLD	33	EOS 4" THICK TAPER TO 1", 2' WIDE
0.053	0.202	RAMP WB152 TO GREEN HILLS, IN SHLD	24	EOS 4" THICK TAPER TO 1", 2' WIDE
0.019	0.331	RAMP GREEN HILLS TO WB152, OUT SHLD	50	EOS 4" THICK TAPER TO 1", 2' WIDE
0.019	0.263	RAMP GREEN HILLS TO WB152, IN SHLD	39	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.179	RAMP WB152 TO AMBASSADOR, OUT SHLD	29	EOS 4" THICK TAPER TO 1", 2' WIDE
0.045	0.179	RAMP WB152 TO AMBASSADOR, IN SHLD	22	EOS 4" THICK TAPER TO 1", 2' WIDE
0.000	0.072	RAMP WB152 TO NB29, OUT SHLD	12	EOS 4" THICK TAPER TO 1", 2' WIDE
0.044	0.072	RAMP WB152 TO NB29, IN SHLD	5	EOS 4" THICK TAPER TO 1", 2' WIDE
1.292	1.317	RAMP NB29 TO WB152, OUT SHLD	4	EOS 4" THICK TAPER TO 1", 2' WIDE
1.263	1.290	RAMP NB29 TO WB152, IN SHLD	4	EOS 4" THICK TAPER TO 1", 2' WIDE
		SUB-TOTAL	1910	
		SUB-TOTAL	1882	
		PAY-TOTAL	3792	

(1) - SUB-TOTAL FROM PERMANENT AGGREGATE EDGE TREATMENT TABLE 2

ROCK FLUME								
LOG MILE	LOG MILE	LOCATION	WIDTH FEET	LENGTH FEET	FURNISHING TYPE 2 ROCK DITCH LINER CY	PLACING TYPE 2 ROCK DITCH LINER CY	PERMANENT EROSION CONTROL GEOTEXTILE SY	REMARKS
6.053		EB152, RT	10	18	7	7	20	END OF CONCRETE TRAFFIC BARRIER
					PAY-TOTALS	7	7	20



DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3

COUNTY PLATTE/CLAY

JOB NO. JKU0050

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)



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**COLDMILLING 1**

LOG MILE	LOG MILE	LOCATION	COLDMILLING BIT. PAVM'T FOR REMOVAL OF SURFACING (3" THICK OR LESS)(3) SY	MODIFIED COLDMILLING (DEPTH TRANSITION) SY	REMARKS
5.481	5.503	EB152	591		3/4" COLDMILLING (UBAWS) (1), (2)
5.503	5.531	EB152		821	SEE DEPTH TRANSITION SPECIAL SHEET
5.531	5.861	EB152	7496		3/4" COLDMILLING (UBAWS) (1), (2)
5.861	5.889	EB152		821	SEE DEPTH TRANSITION SPECIAL SHEET
5.889	5.900	EB152	318		3/4" COLDMILLING (UBAWS) (1), (2)
5.491	5.823	EB152, LT	585		1" TO 3" COLDMILLING INSIDE SHLD
5.934	5.960	EB152		816	SEE DEPTH TRANSITION SPECIAL SHEET
5.960	7.601	EB152	36534		3/4" COLDMILLING (UBAWS) (1), (2)
7.601	7.629	EB152		667	SEE DEPTH TRANSITION SPECIAL SHEET
7.685	7.714	EB152		661	SEE DEPTH TRANSITION SPECIAL SHEET
7.714	9.636	EB152	40923		3/4" COLDMILLING (UBAWS) (1), (2)
7.685	8.542	EB152, LT	1505		1" TO 3" COLDMILLING INSIDE SHLD
0.037	0.065	RAMP EB152 TO NB29		456	SEE DEPTH TRANSITION SPECIAL SHEET
1.021	1.049	RAMP NB29 TO EB125		471	SEE DEPTH TRANSITION SPECIAL SHEET
0.014	0.042	RAMP AMBASSADOR TO EB152		578	SEE DEPTH TRANSITION SPECIAL SHEET
0.042	0.188	RAMP AMBASSADOR TO EB152	2624		3/4" COLDMILLING (UBAWS) (2)
0.053	0.258	RAMP EB152 TO GREEN HILLS	4292		3/4" COLDMILLING (UBAWS) (2)
0.258	0.286	RAMP EB152 TO GREEN HILLS		828	SEE DEPTH TRANSITION SPECIAL SHEET
0.286	0.292	RAMP EB152 TO GREEN HILLS	195		3/4" COLDMILLING (UBAWS) (2)
0.010	0.013	RAMP GREEN HILLS TO EB152	103		3/4" COLDMILLING (UBAWS) (2)
0.013	0.042	RAMP GREEN HILLS TO EB152		568	SEE DEPTH TRANSITION SPECIAL SHEET
0.042	0.140	RAMP GREEN HILLS TO EB152	1722		3/4" COLDMILLING (UBAWS) (2)
0.036	0.107	RAMP EB152 TO PLATTE PURCHASE	618		3/4" COLDMILLING (UBAWS) (2)
0.107	0.135	RAMP EB152 TO PLATTE PURCHASE		336	SEE DEPTH TRANSITION SPECIAL SHEET
0.117	0.145	RAMP PLATTE PURCHASE TO EB152		358	SEE DEPTH TRANSITION SPECIAL SHEET
0.145	0.268	RAMP PLATTE PURCHASE TO EB152	1297		3/4" COLDMILLING (UBAWS) (2)
0.050	0.399	RAMP EB152 TO SB169	5354		3/4" COLDMILLING (UBAWS) (2)
0.399	0.427	RAMP EB152 TO SB169		456	SEE DEPTH TRANSITION SPECIAL SHEET
0.038	0.067	RAMP SB169 TO EB152		428	SEE DEPTH TRANSITION SPECIAL SHEET
0.067	0.294	RAMP SB169 TO EB152	3422		3/4" COLDMILLING (UBAWS) (2)
0.028	0.305	RAMP EB152 TO NB169	4167		3/4" COLDMILLING (UBAWS) (2)
0.305	0.334	RAMP EB152 TO NB169		429	SEE DEPTH TRANSITION SPECIAL SHEET
0.031	0.059	RAMP NB169 TO EB152		437	SEE DEPTH TRANSITION SPECIAL SHEET
0.059	0.495	RAMP NB169 TO EB152	6663		3/4" COLDMILLING (UBAWS) (2)
SUB-TOTALS			118409	9131	
PAY-TOTALS			(6)	(6)	

- (1) - 3/4" COLDMILLING TO REMOVE UBAWS WIDTH VARIES IN OUTSIDE SHOULDER INCLUDED IN QUANTITIES
- (2) - 3/4" COLDMILLING OR COLDMILL TO EXISTING CONCRETE LANES
- (3) - GORE AREAS ARE INCLUDED WITH MAINLINE COLDMILLING QUANTITIES
- (4) - 3" COLDMILLING OR COLDMILL TO EXISTING CONCRETE LANES
- (5) - 3" TO 1" COLDMILLING ON ASPHALT SHOULDERS OR MATCH EXISTING CONCRETE DEPTH AND CROSS SLOPE
- (6) - SEE COLDMILLING TABLE 2 FOR PAY-TOTALS

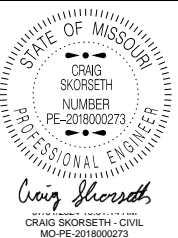


PAVEMENT REPAIR							
LOCATION	FURNISHING AND PLACING CONC. MAT. FOR FULL DEPTH PAVEMENT REPAIR SY	SUBGRADE COMPACTION (6" DEPTH) (PAVEMENT REPAIR) SY	TYPE 1 OR 5 AGGR. FOR BASE (4" THICK) (PAVEMENT REPAIR) SY	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS) LF	DOWEL BAR (DRILLING, FURNISHING, AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR EACH	FURNISHING AND PLACING BIT. MAT. FOR CLASS B PARTIAL PAVEMENT REPAIR TON	REMOVAL FOR CLASS B PARTIAL DEPTH PAVEMENT REPAIR SY
PROJECT LIMITS (2)	1640	170	170	9840	4100	118.1	540
SUB-TOTAL (1)	328	34	34	1968	820	23.6	108
PAY-TOTAL	1968	204	204	11808	4920	141.7	648

(1) - 20% ADDED TO QUANTITIES FOR WINTERING  
(2) - AS DIRECTED BY THE ENGINEER

OPTIONAL TRAFFIC SIGNAL DETECTORS				
LOG MILE	LOCATION	APPROACH	OPTIONAL TRAFFIC SIGNAL DETECTORS EACH (APPROACH)	REMARKS
0.292	RAMP EB152 TO GREEN HILLS	END OF RAMP	1	
0.208	RAMP WB152 TO GREEN HILLS	END OF RAMP	1	
0.225	RAMP WB152 TO AMBASSADOR	END OF RAMP	1	
		PAY-TOTALS	3	

PAVEMENT MARKINGS										
LOG MILE	LOG MILE	LOCATION	24" WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING LF	LEFT / RIGHT PERFORMED THERMOPLASTIC PAVEMENT MARKING EACH	30" WHITE MIDBLOCK PERFORMED THERMOPLASTIC PAVEMENT MARKING EACH	6" WHITE HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	6" YELLOW HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	12" WHITE HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	REMARKS	
5.481	9.636	EB152				27404	21952	5834	INCLUDES GORES	
0.037	0.065	RAMP EB152 TO NB29				155	155			
1.021	1.049	RAMP NB29 TO EB152				152	152			
0.014	0.188	RAMP AMBASSADOR TO EB152				982	917			
0.053	0.292	RAMP EB152 TO GREEN HILLS	24	6	9	2112	1245		4 LEFT / 2 RIGHT ARROWS	
0.010	0.140	RAMP GREEN HILLS TO EB152			8	721	674			
0.048	0.135	RAMP EB152 TO PLATTE PURCHASE				459	459			
0.117	0.268	RAMP PLATTE PURCHASE TO EB152				798	796			
0.050	0.427	RAMP EB152 TO SB169				1985	2018			
0.038	0.294	RAMP SB169 TO EB152				1346	1416			
0.028	0.334	RAMP EB152 TO NB169				1617	1692			
0.031	0.495	RAMP NB169 TO EB152				2450	2464			
7.246	11.420	WB152				27520	22028	5737	INCLUDES GORES	
0.047	0.402	RAMP WB152 TO NB169				1874	1899			
0.033	0.288	RAMP NB169 TO WB152				1342	1412			
0.040	0.359	RAMP WB152 TO SB169				1684	1758			
0.037	0.507	RAMP SB169 TO WB152				2480	2489			
0.065	0.161	RAMP WB152 TO PLATTE PURCHASE				813	509			
0.123	0.261	RAMP PLATTE PURCHASE TO WB152				730	729			
0.053	0.208	RAMP WB152 TO GREEN HILLS	24	6	9	1538	796		4 LEFT / 2 RIGHT ARROWS	
0.013	0.263	RAMP GREEN HILLS TO WB152			8	1537	1308			
0.045	0.225	RAMP WB152 TO AMBASSADOR	58	6		1711	937		4 LEFT / 2 RIGHT ARROWS	
0.044	0.072	RAMP WB152 TO NB29				150	150			
1.263	1.290	RAMP NB29 TO WB152				150	150			
		PAY-TOTALS	106	18	34	81710	68105	11571		



DATE PREPARED  
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DISTRICT KC SHEET NO. 3

COUNTY PLATTE/CLAY  
JOB NO. JKU0050  
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)



Table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION. Rows include WARNING SIGNS, REGULATORY SIGNS, MISCELLANEOUS SIGNS, and CONSTRUCTION SIGNS.

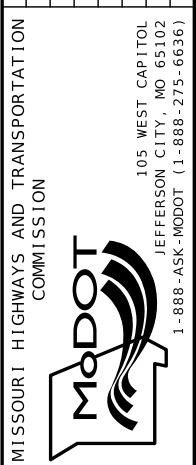
Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, RELOC, SIGN NUM., DESCRIPTION. Rows include GUIDE SIGNS, REGULATORY SIGNS, MISCELLANEOUS SIGNS, and CONSTRUCTION SIGNS.

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Rows list various traffic signs and materials with their respective quantities.



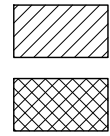
DATE PREPARED: 7/1/2024. ROUTE: 152. STATE: MO. DISTRICT: KC. SHEET NO.: 3. COUNTY: PLATTE/CLAY. JOB NO.: JKU0050. CONTRACT ID.: PROJECT NO.: BRIDGE NO.:

Table with columns: DATE, DESCRIPTION. Rows show dates and descriptions for various items.



- PAVEMENT MARKING LEGEND  
 S.Y. - SOLID YELLOW HIGH BUILD  
 S.W. - SOLID WHITE HIGH BUILD  
 D.Y. - DOUBLE YELLOW HIGH BUILD  
 D.W. - DOTTED WHITE HIGH BUILD  
 (3' STRIPE X 9' GAP)  
 I.Y. - INTERMITTENT YELLOW HIGH BUILD  
 I.W. - INTERMITTENT WHITE HIGH BUILD  
 D.W.I. - DOTTED WHITE INTERSECTION THERMOPLASTIC  
 (2' STRIPE X 4' GAP)  
 S.B.T. - WHITE STOPBAR THERMOPLASTIC  
 ARROW - WHITE ARROW THERMOPLASTIC  
 ONLY - WHITE "ONLY" WORD THERMOPLASTIC  
 MIDBLOCK - 30" WHITE MIDBLOCK THERMOPLASTIC  
 Y.H. - YELLOW HASH THERMOPLASTIC  
 W.H. - WHITE HASH THERMOPLASTIC

NOTES:



COLDMILLING

MOD. COLDMILLING  
 DEPTH TRANSITION

BUILD GUARDRAIL  
 EB152, LT L.M. 5.823 TO 5.900  
 312.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

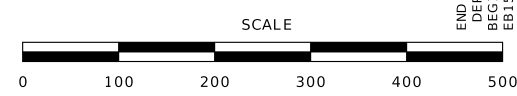
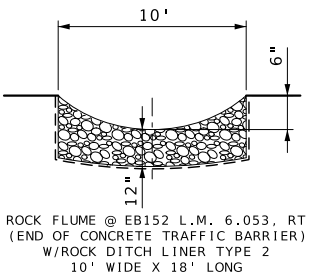
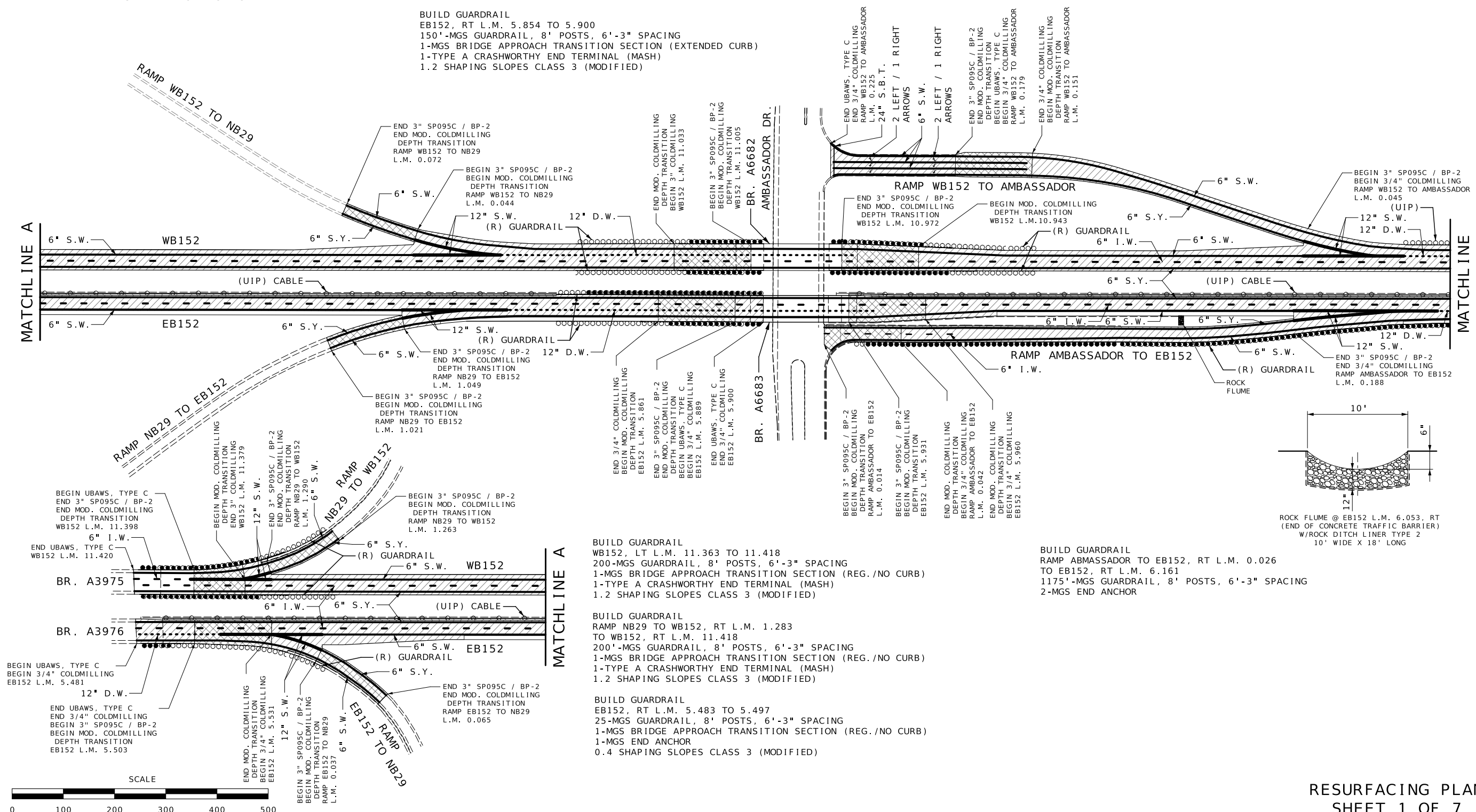
BUILD GUARDRAIL  
 EB152, RT L.M. 5.854 TO 5.900  
 150'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
 WB152, LT L.M. 11.000 TO 11.032  
 112.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)  
 1-MGS END ANCHOR  
 0.4 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
 WB152, RT L.M. 11.000 TO 11.032  
 112.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)  
 1-MGS END ANCHOR  
 0.4 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
 WB152, LT L.M. 10.922 TO 10.976  
 200'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
 WB152, RT L.M. 10.931 TO 10.976  
 150'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)



SEE SHEET 2 OF 7



DATE PREPARED	
7/1/2024	STATE
ROUTE	MO
152	
DISTRICT	SHEET NO.
KC	4
COUNTY	
PLATTE/CLAY	
JOB NO.	
JKU0050	
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)

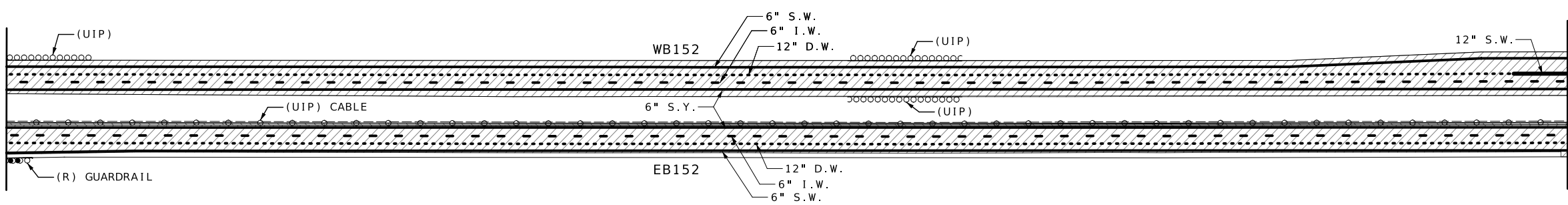
RESURFACING PLAN  
 SHEET 1 OF 7



DATE PREPARED  
7/1/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

MATCHLINE  
SEE SHEET 1 OF 7

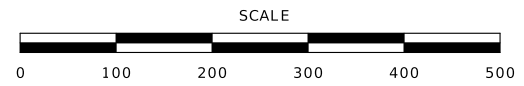


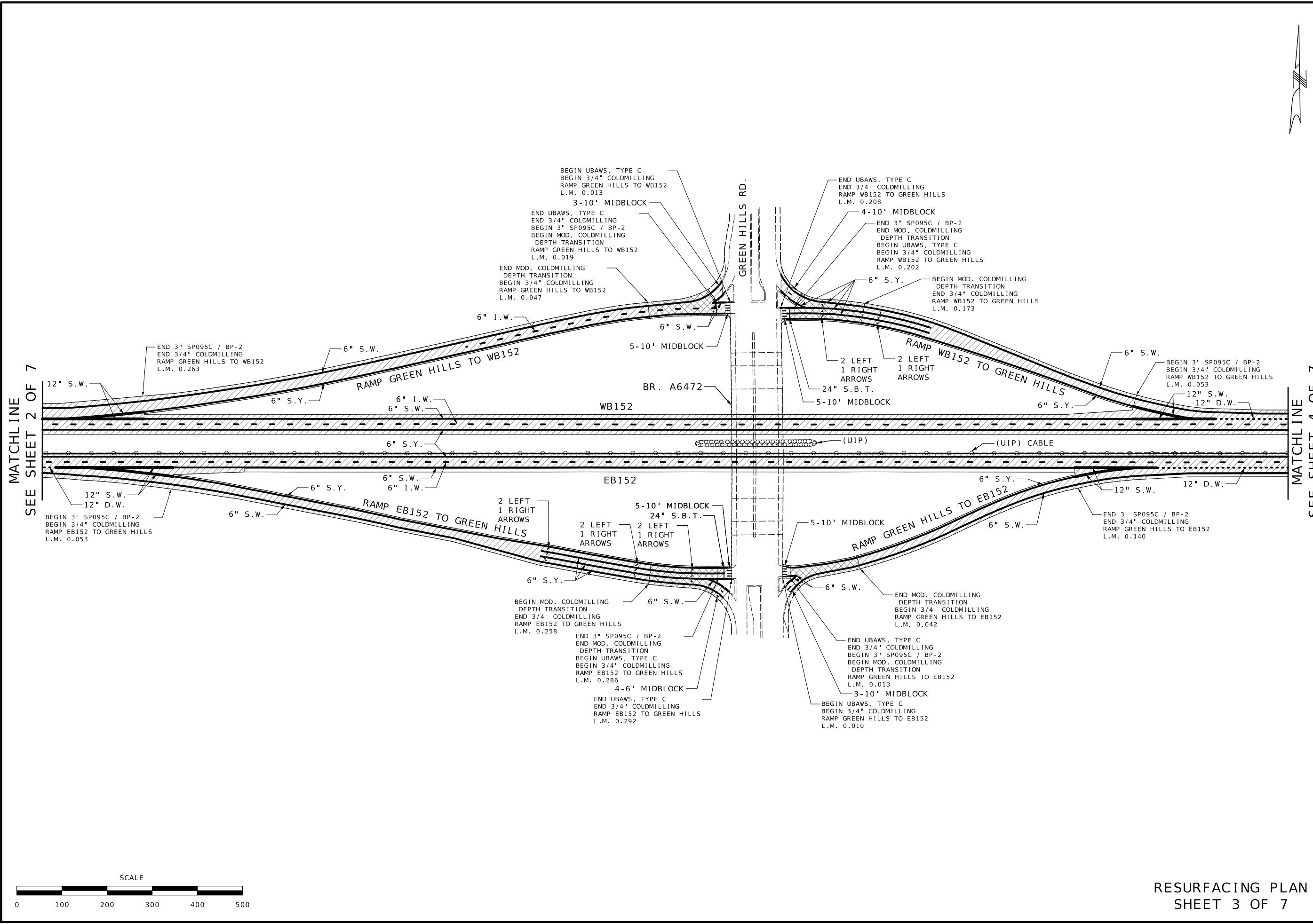
MATCHLINE  
SEE SHEET 3 OF 7

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

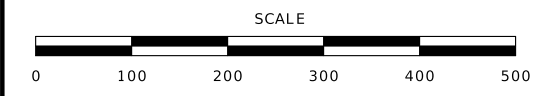
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)





MATCHLINE  
SEE SHEET 2 OF 7

MATCHLINE  
SEE SHEET 4 OF 7



RESURFACING PLAN  
SHEET 3 OF 7

**STATE OF MISSOURI**  
CRAIG SKORSEITH  
NUMBER PE-2018000273  
PROFESSIONAL ENGINEER

DATE PREPARED  
**7/1/2024**

ROUTE <b>152</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>6</b>
COUNTY <b>PLATTE/CLAY</b>	
JOB NO. <b>JKU0050</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

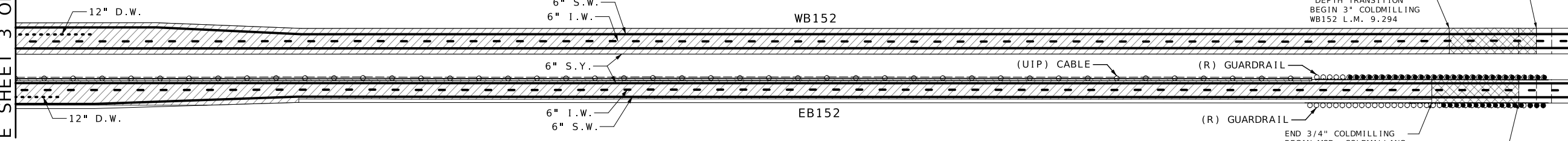
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

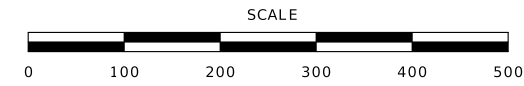
MATCHLINE  
SEE SHEET 3 OF 7

MATCHLINE  
SEE SHEET 5 OF 7



BUILD GUARDRAIL  
EB152, LT L.M. 7.563 TO 7.639  
312.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
1-MGS BRIDGE APPROACH TRANSITION SECTION (REG./NO CURB)  
1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
EB152, RT L.M. 7.594 TO 7.639  
150'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
1-MGS BRIDGE APPROACH TRANSITION SECTION (REG./NO CURB)  
1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
1.2 SHAPING SLOPES CLASS 3 (MODIFIED)



RESURFACING PLAN  
SHEET 4 OF 7

Craig Skorseth  
CRAG SKORSETH - CIVIL  
MO-PE-2018000273

DATE PREPARED  
7/1/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 7
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
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)

BUILD GUARDRAIL  
 WB152, LT L.M. 9.178 TO 9.223  
 150'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (REG./NO CURB)  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
 WB152, RT L.M. 9.178 TO 9.223  
 150'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS BRIDGE APPROACH TRANSITION SECTION (REG./NO CURB)  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

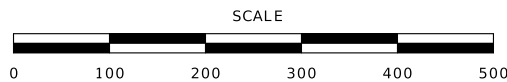
BR. A3634  
 END 3" SP095C / BP-2  
 END MOD. COLDMILLING  
 DEPTH TRANSITION  
 WB152 L.M. 9.221  
 END 3/4" COLDMILLING  
 BEGIN MOD. COLDMILLING  
 DEPTH TRANSITION  
 WB152 L.M. 9.192  
 (R) GUARDRAIL  
 6" S.W.  
 6" I.W.  
 6" S.Y.  
 6" I.W.  
 6" S.W.  
 END MOD. COLDMILLING  
 DEPTH TRANSITION  
 BEGIN 3/4" COLDMILLING  
 EB152 L.M. 7.714  
 BEGIN 3" SP095C / BP-2  
 BEGIN MOD. COLDMILLING  
 DEPTH TRANSITION  
 EB152 L.M. 7.685  
 BR. A6473

WB152

EB152

(UIP) CABLE

12" D.W.  
 6" S.W.  
 6" I.W.  
 6" S.Y.  
 (UIP) CABLE  
 (UIP)  
 12" D.W.  
 12" S.W.  
 6" S.Y.  
 6" I.W.  
 6" S.W.  
 (R) GUARDRAIL



BUILD GUARDRAIL  
 EB152, RT L.M. 8.188 TO 8.216  
 87.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS END ANCHOR  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 0.8 SHAPING SLOPES CLASS 3 (MODIFIED)

RESURFACING PLAN  
 SHEET 5 OF 7

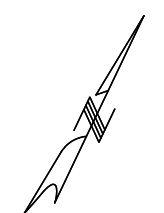


DATE PREPARED 7/1/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 8
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION

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



DATE PREPARED  
7/1/2024

ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 9  
COUNTY PLATTE/CLAY  
JOB NO. JKU0050  
CONTRACT ID.

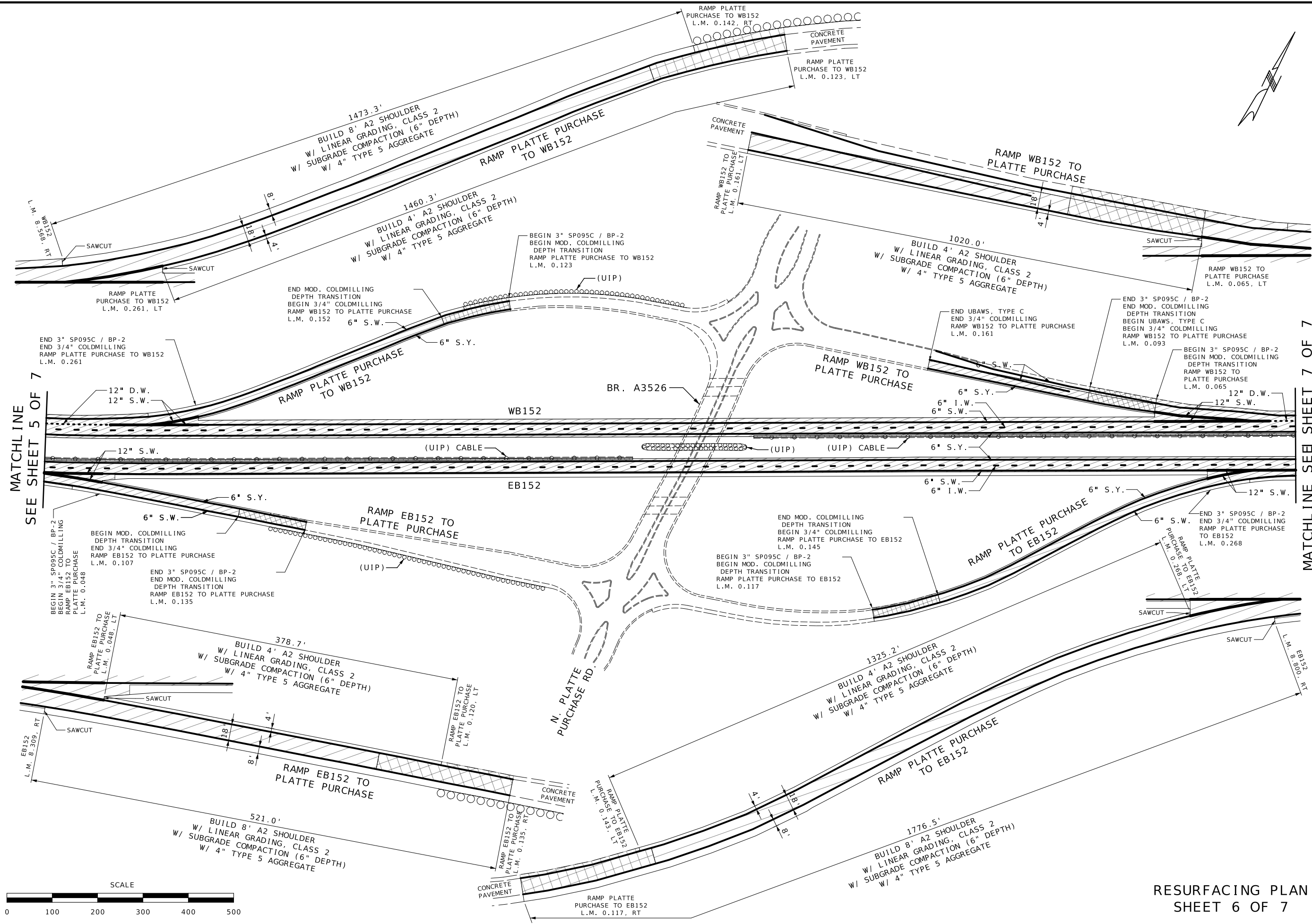
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

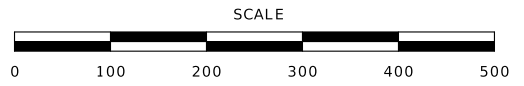
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



MATCHLINE  
SEE SHEET 5 OF 7

MATCHLINE SEE SHEET 7 OF 7



RESURFACING PLAN  
SHEET 6 OF 7



DATE PREPARED  
**7/1/2024**

ROUTE	STATE
<b>152</b>	<b>MO</b>
DISTRICT	SHEET NO.
<b>KC</b>	<b>10</b>

COUNTY  
**PLATTE/CLAY**

JOB NO.  
**JKU0050**

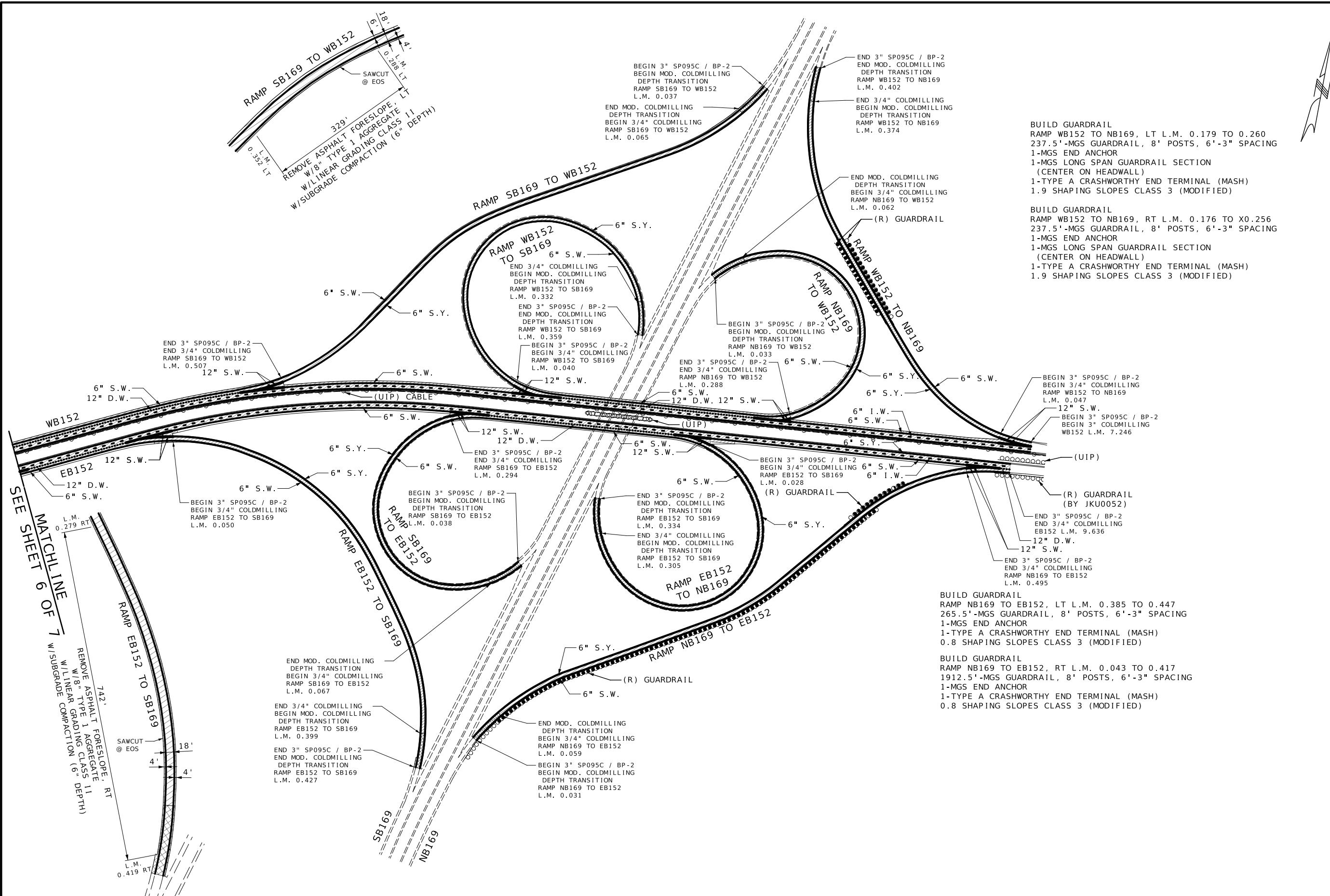
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

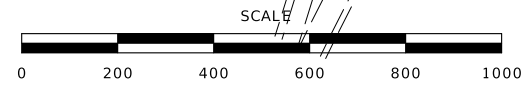
BUILD GUARDRAIL  
RAMP WB152 TO NB169, LT L.M. 0.179 TO 0.260  
237.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
1-MGS END ANCHOR  
1-MGS LONG SPAN GUARDRAIL SECTION  
(CENTER ON HEADWALL)  
1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
1.9 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
RAMP WB152 TO NB169, RT L.M. 0.176 TO X0.256  
237.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
1-MGS END ANCHOR  
1-MGS LONG SPAN GUARDRAIL SECTION  
(CENTER ON HEADWALL)  
1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
1.9 SHAPING SLOPES CLASS 3 (MODIFIED)



BUILD GUARDRAIL  
RAMP NB169 TO EB152, LT L.M. 0.385 TO 0.447  
265.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
1-MGS END ANCHOR  
1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
0.8 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL  
RAMP NB169 TO EB152, RT L.M. 0.043 TO 0.417  
1912.5'-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
1-MGS END ANCHOR  
1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
0.8 SHAPING SLOPES CLASS 3 (MODIFIED)



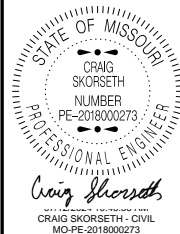
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**MoDOT**

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

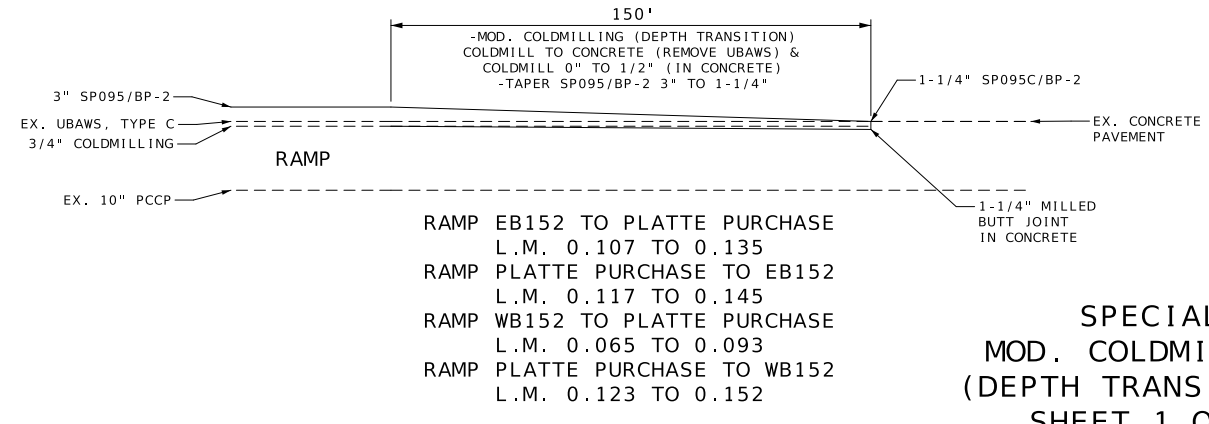
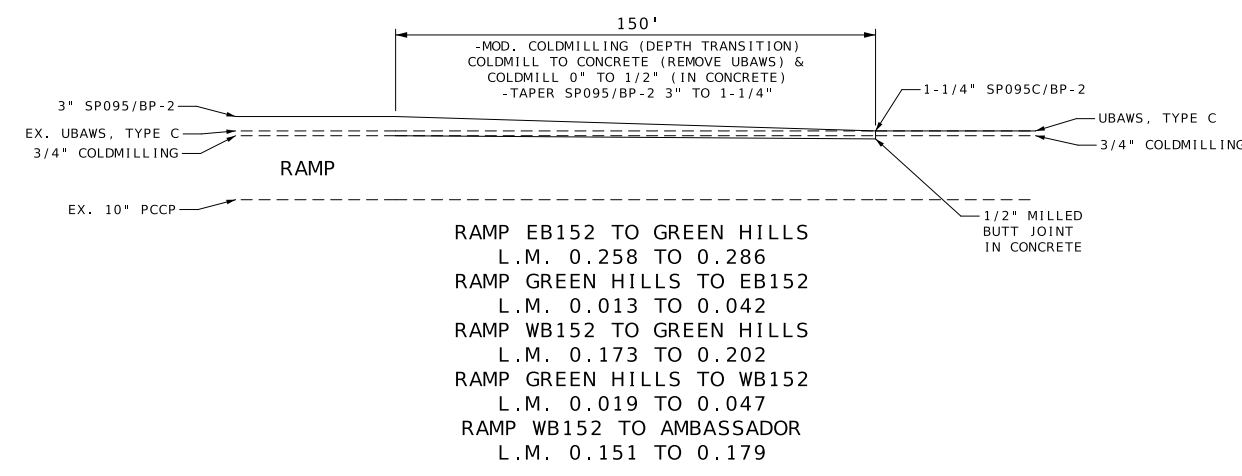
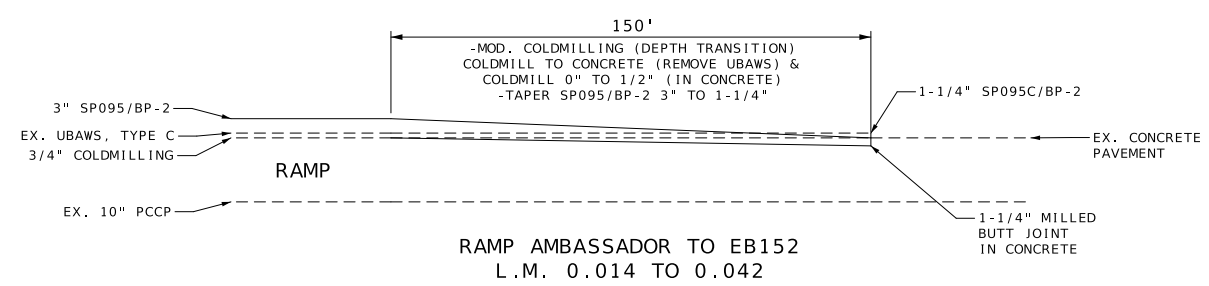
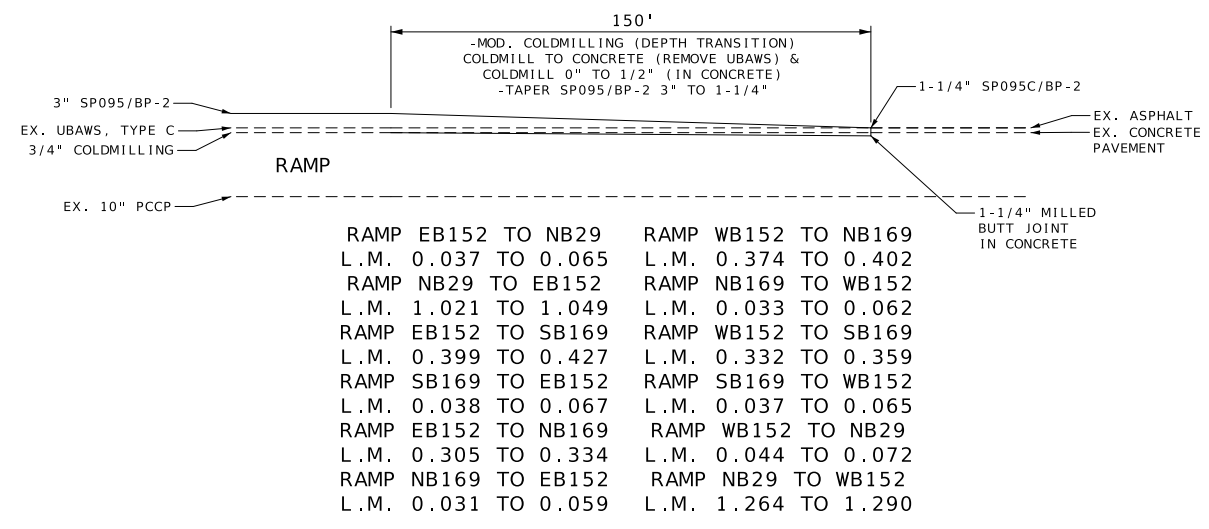
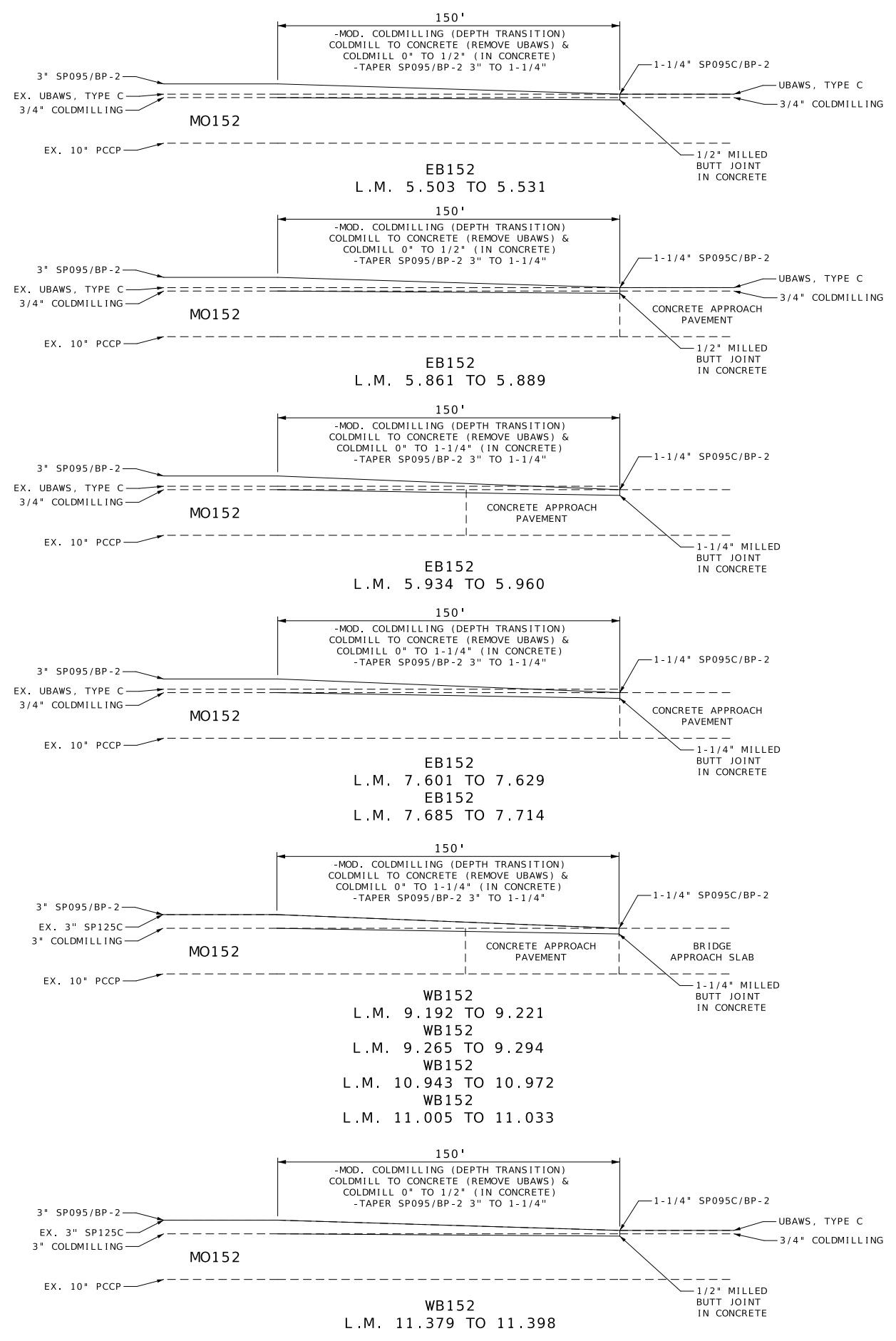




DATE PREPARED  
7/12/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 11  
COUNTY PLATTE/CLAY  
JOB NO. JKU0050  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

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



SPECIAL  
MOD. COLDMILLING  
(DEPTH TRANSITIONS)  
SHEET 1 OF 1

# SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER

**SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)**

PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

**TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER**

PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
> 40	160'	168'	176'	APPROVED CRASH CUSHION

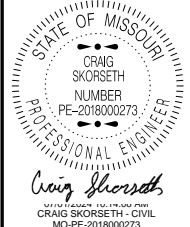
**TAPER LENGTHS AND SPACING FOR CHANNELIZERS**

PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

**NOTE:**

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

DEVICE SPACING  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 1 OF 12



DATE PREPARED  
**7/1/2024**

ROUTE <b>152</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>12</b>

COUNTY  
**PLATTE/CLAY**

JOB NO.  
**JKU0050**

CONTRACT ID.

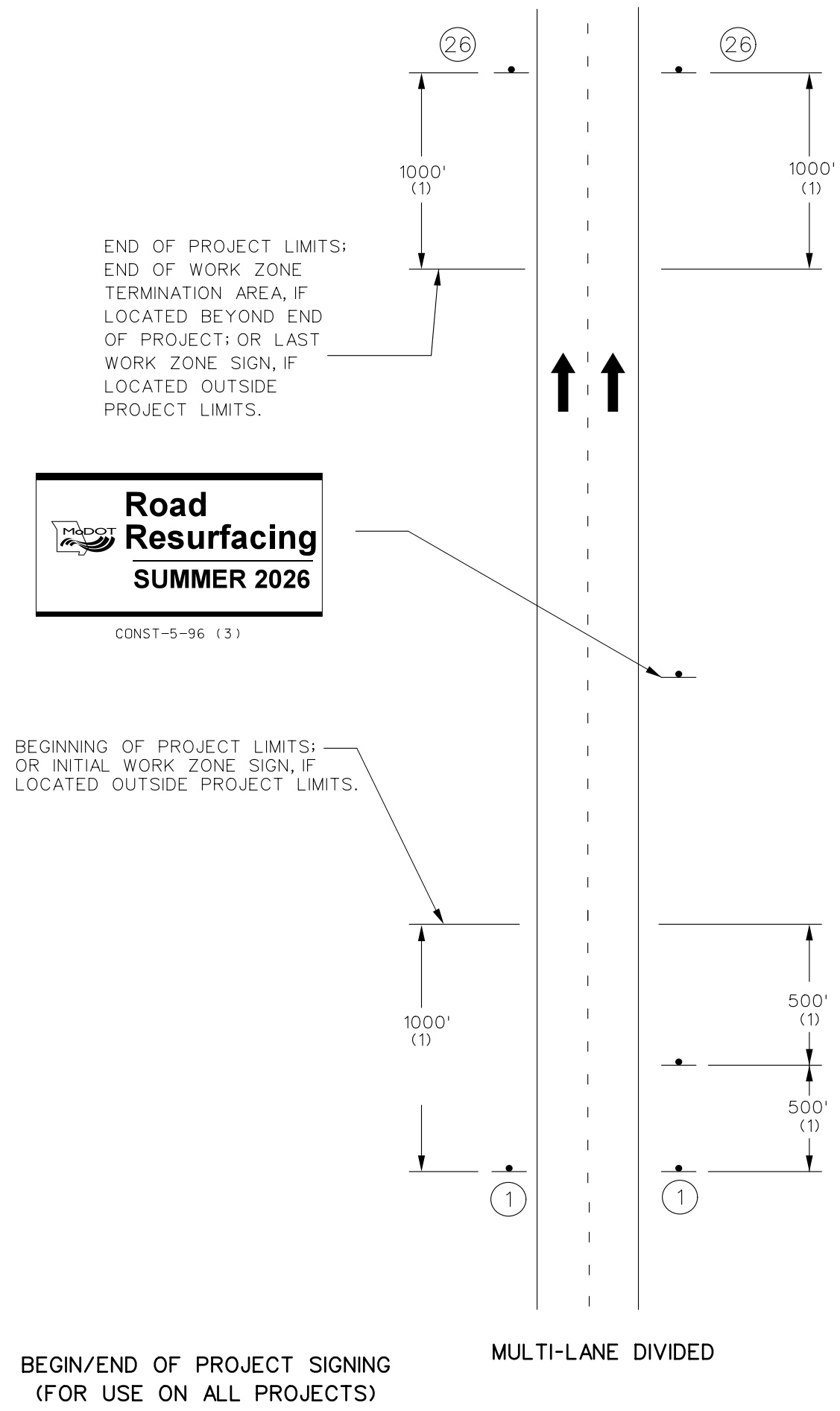
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





CONST-5-96 (3)

NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.



G020-1  
1



G020-2  
26

BEGIN/END OF PROJECT SIGNING  
(FOR USE ON ALL PROJECTS)

MULTI-LANE DIVIDED

BEGIN/END  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 2 OF 12

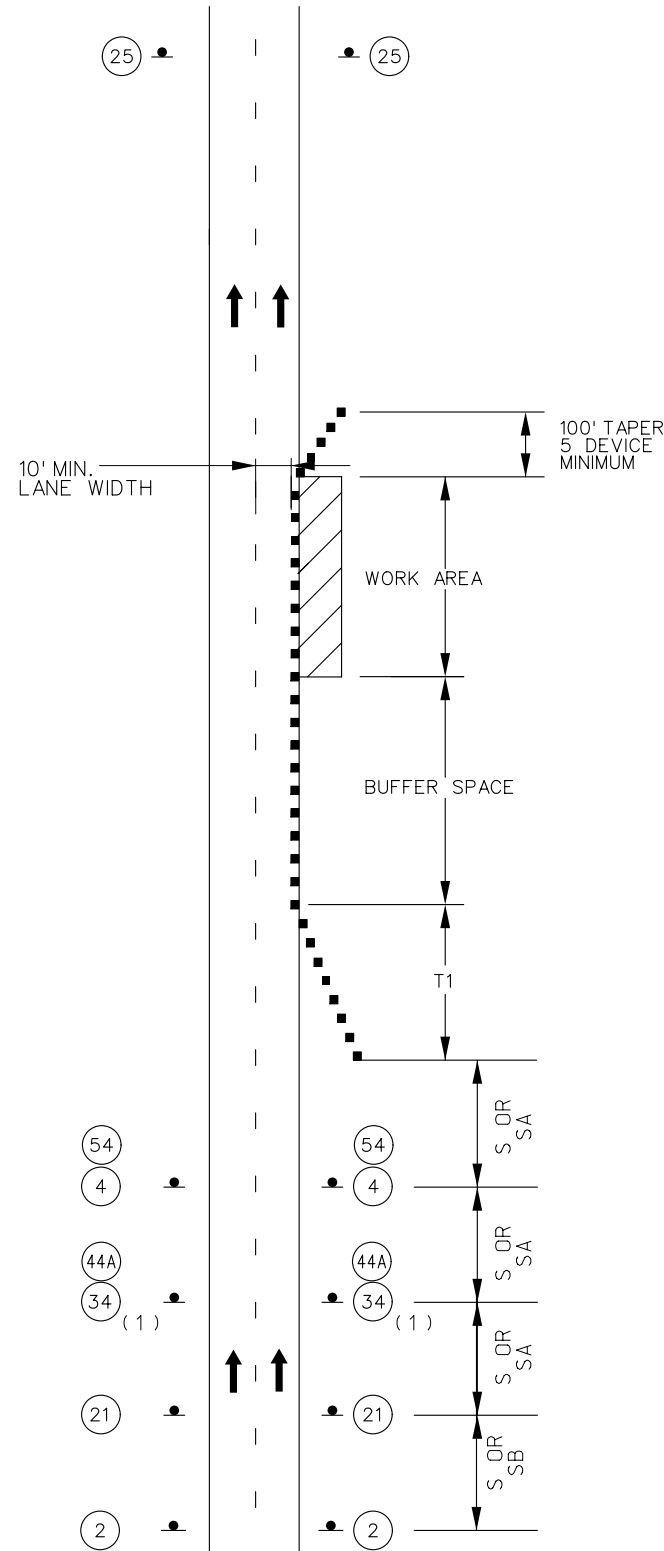


DATE PREPARED 7/1/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 13
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

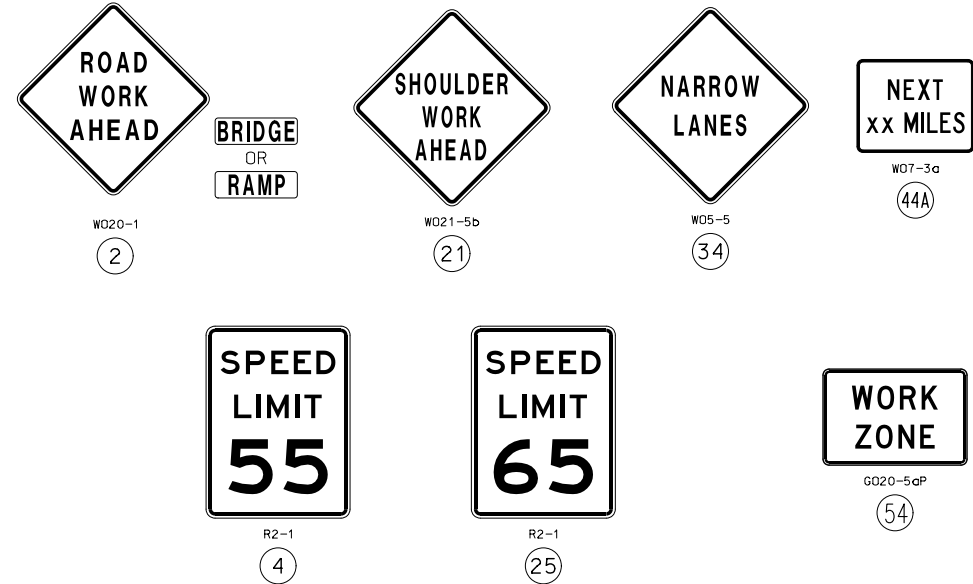
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



MULTI-LANE DIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

SHOULDER WORK  
MINOR ENCROACHMENT  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 3 OF 12



DATE PREPARED  
7/1/2024

ROUTE STATE  
152 MO

DISTRICT SHEET NO.  
KC 14

COUNTY  
PLATTE/CLAY

JOB NO.  
JKU0050

CONTRACT ID.

PROJECT NO.

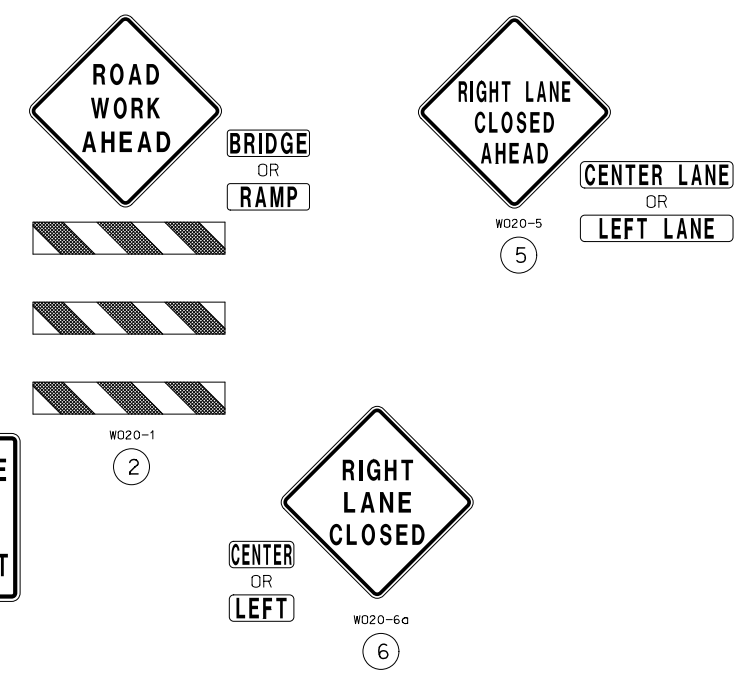
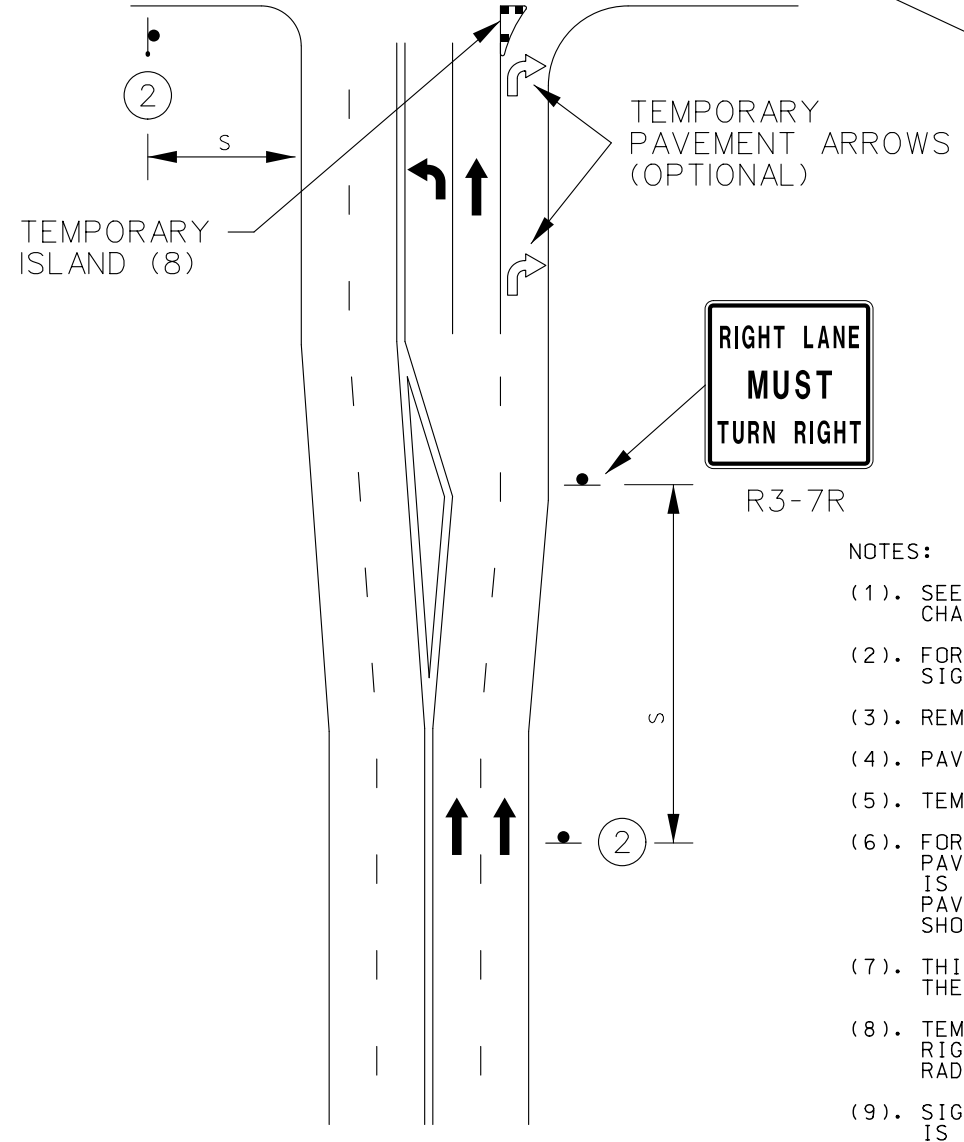
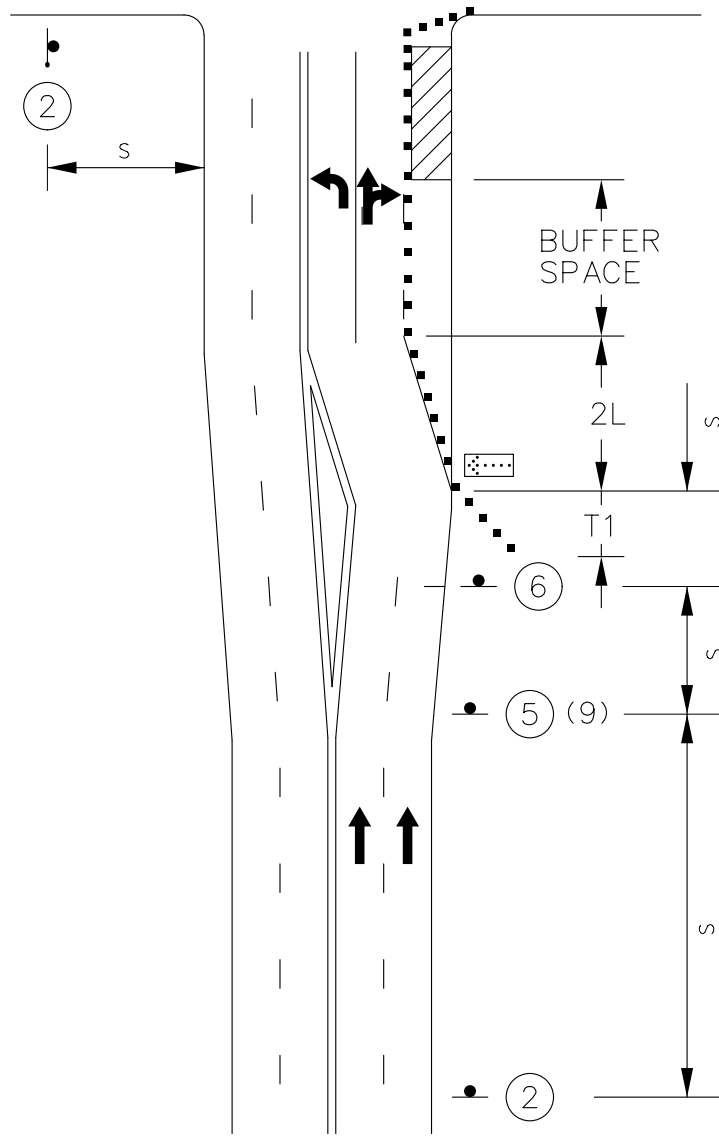
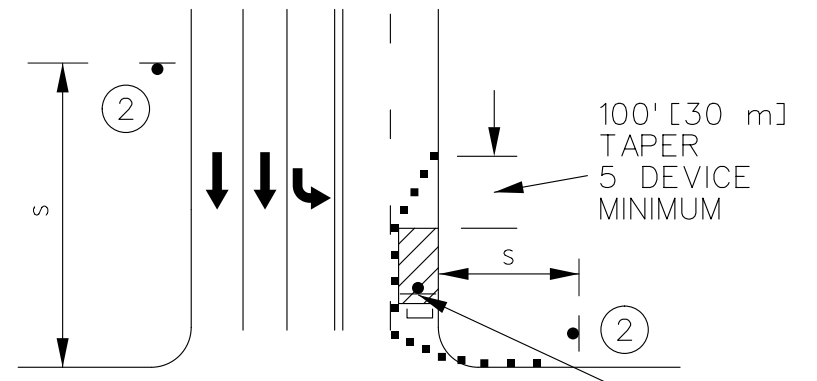
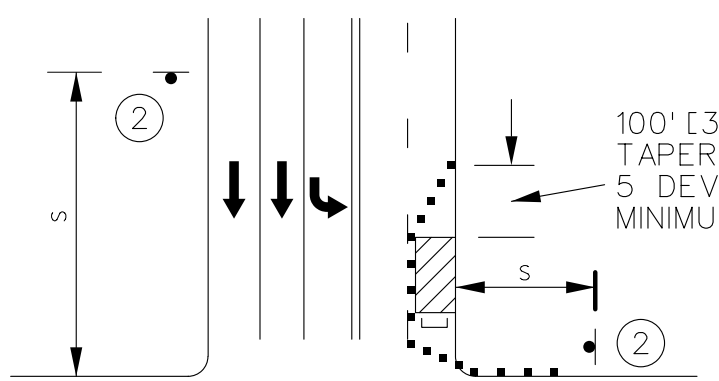
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (2). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (3). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- (4). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (5). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (6). FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN ON TRAFFIC CONTROL SHEET 1.
- (7). THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME.
- (8). TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.
- (9). SIGN 5 MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

TA-22  
WORK ON NEAR OR FAR SIDE

TA-22A  
WORK ON FAR SIDE ONLY (7)

LANE CLOSURE  
RIGHT LANE CLOSURE AT INTERSECTION

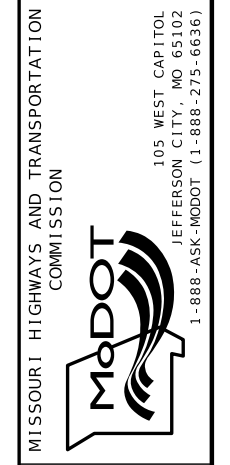
RIGHT LANE CLOSURE  
AT INTERSECTION  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 4 OF 12

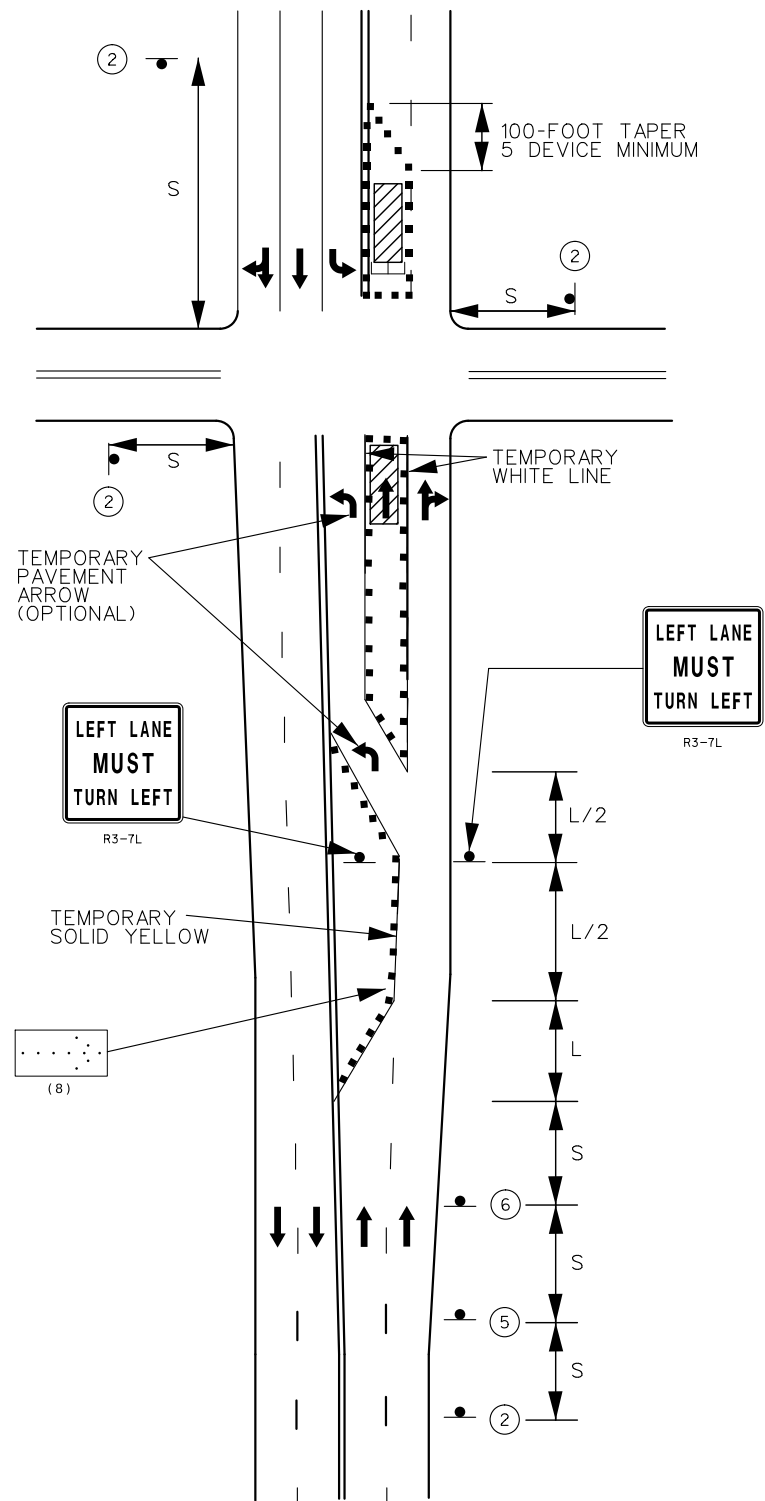


DATE PREPARED  
7/1/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 15
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

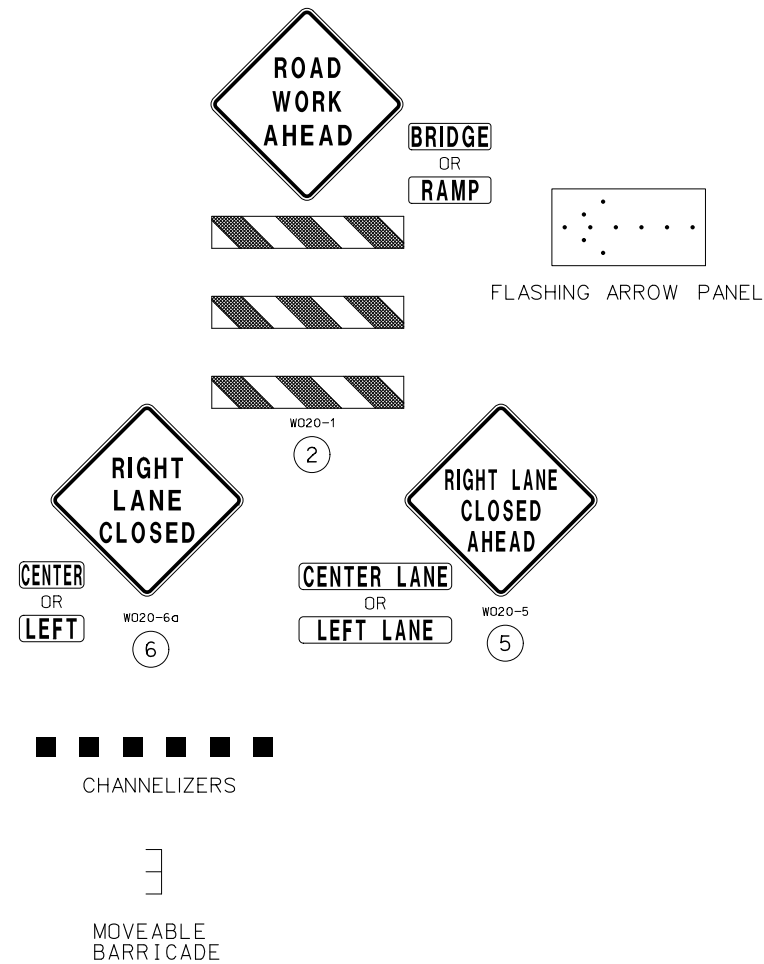




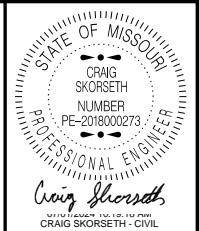
LEFT LANE CLOSURE  
AT INTERSECTION

NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (2). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (3). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.
- (4). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (5). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (6). FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FOOT DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.
- (7). "LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (8). THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOW THIS PLACEMENT.
- (9). SIGN MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICIENT ROOM BETWEEN EASTBOUND AND WESTBOUND LANES.



LEFT LANE CLOSURE  
INTERSECTION  
WORK ON FAR SIDE ONLY  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 5 OF 12

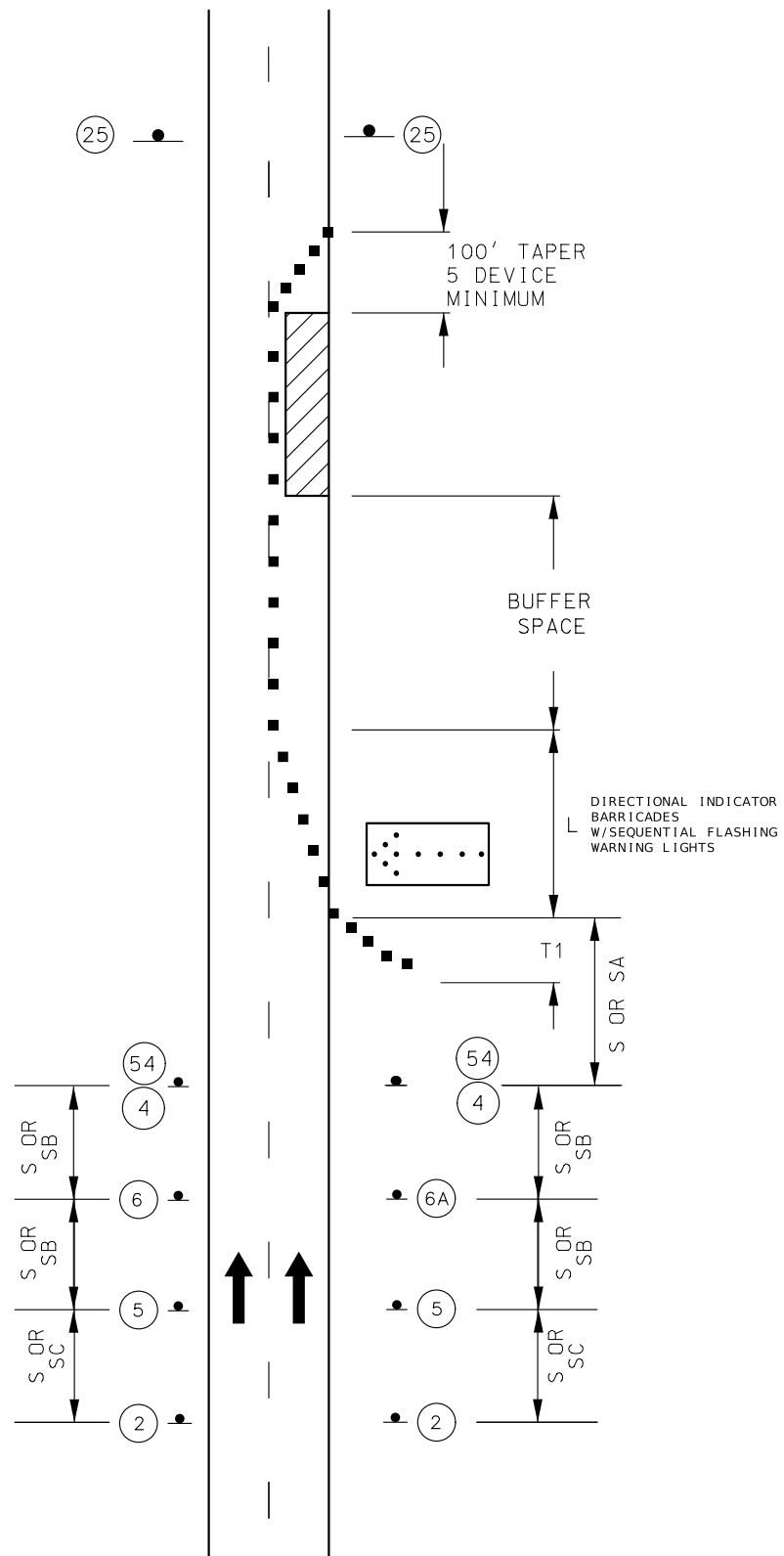


DATE PREPARED 7/1/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 16
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

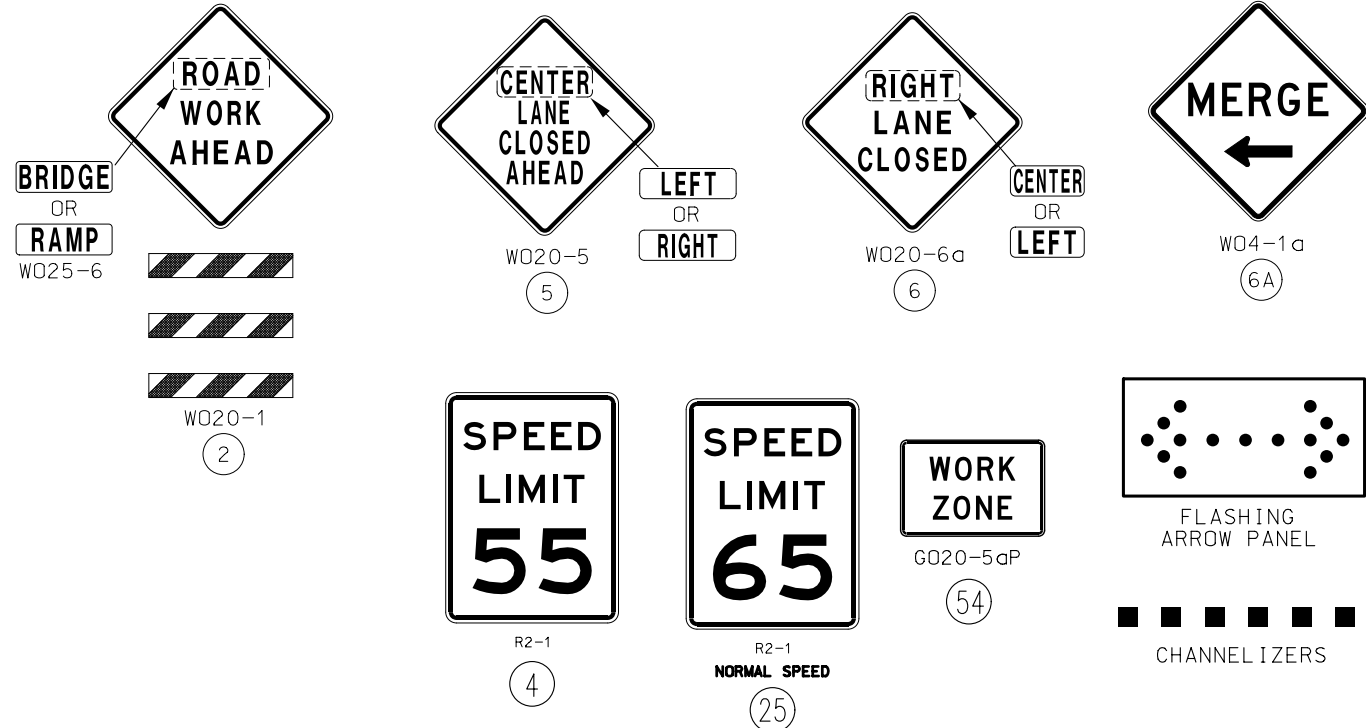
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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



TWO-LANE DIVIDED HIGHWAY



NOTES:  
SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.  
REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.  
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.  
AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

STATIONARY  
LANE CLOSURE  
ON DIVIDED HIGHWAY  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 6 OF 12

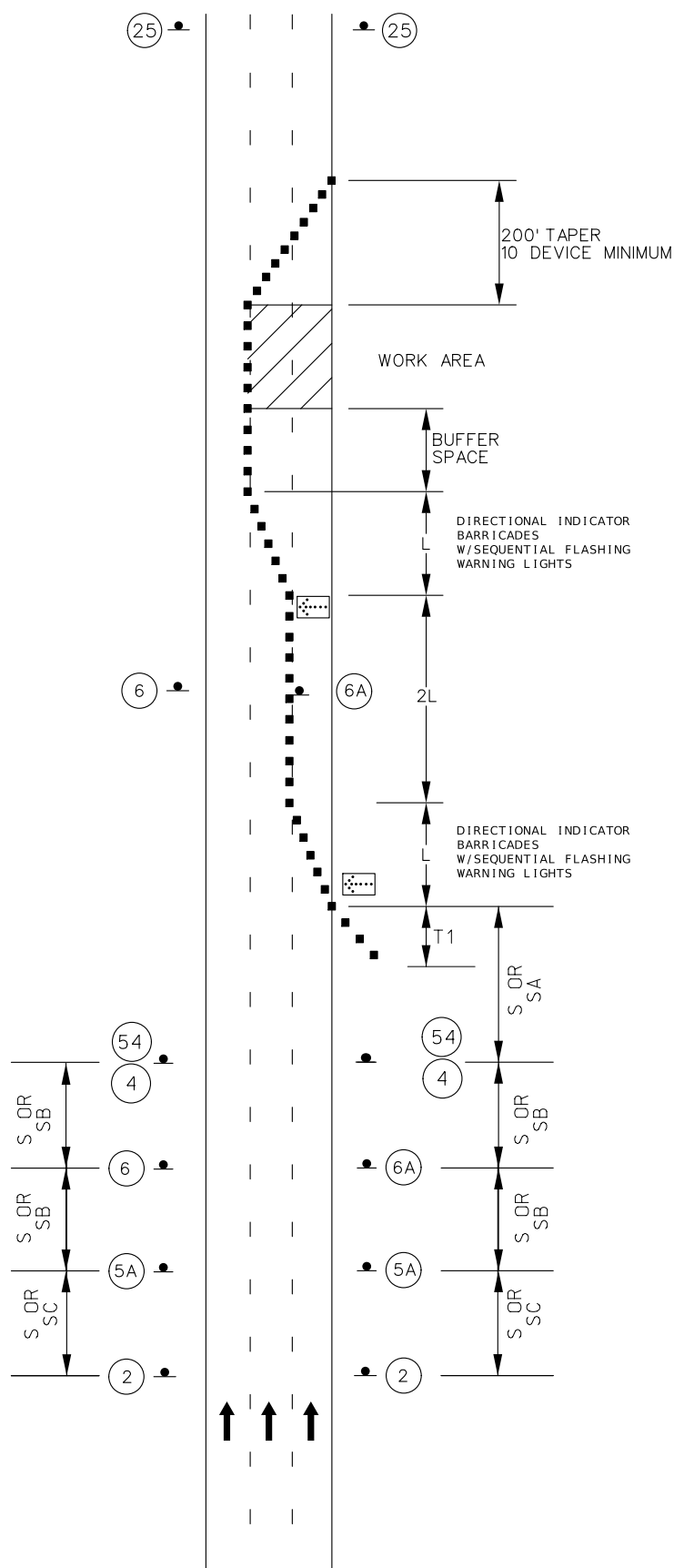


STATE OF MISSOURI  
DATE PREPARED  
7/1/2024  
ROUTE  
152 STATE  
MO  
DISTRICT  
KC SHEET NO.  
17  
COUNTY  
PLATTE/CLAY  
JOB NO.  
JKU0050  
CONTRACT ID.

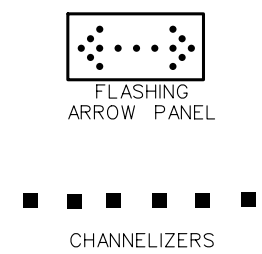
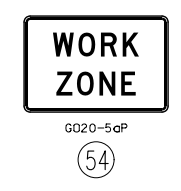
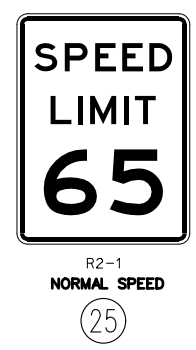
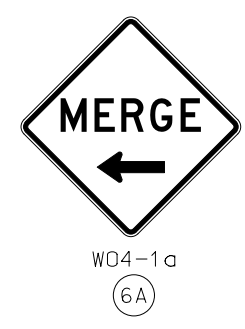
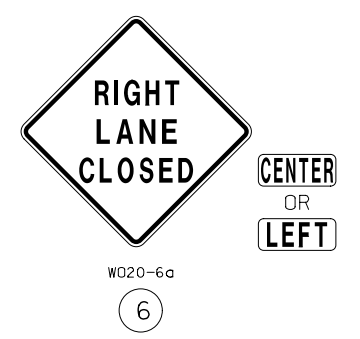
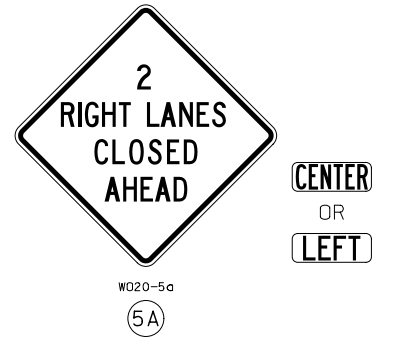
PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

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



LANE CLOSURE TWO LANES OF  
MULTI-LANE DIVIDE HIGHWAY



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

DOUBLE LANE CLOSURE  
ON A FREEWAY  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 7 OF 12

STATE OF MISSOURI  
CRAIG SKORSETH  
NUMBER PE-2018000273  
PROFESSIONAL ENGINEER  
*Craig Skorseth*

DATE PREPARED 7/1/2024

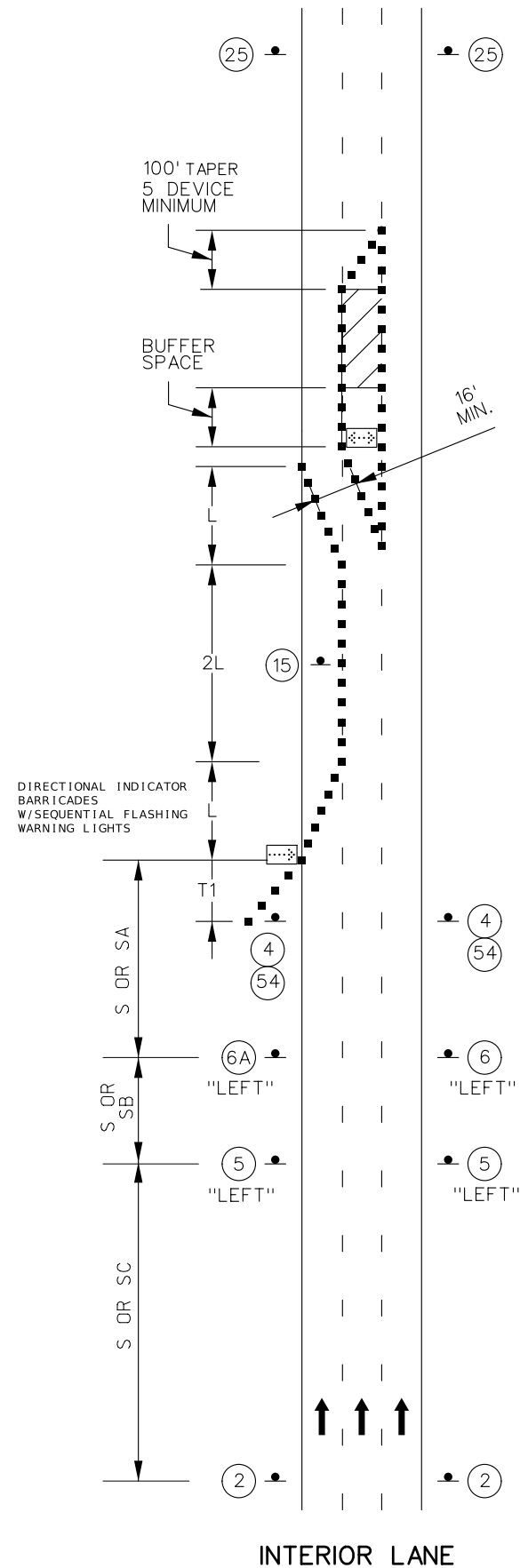
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 18
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

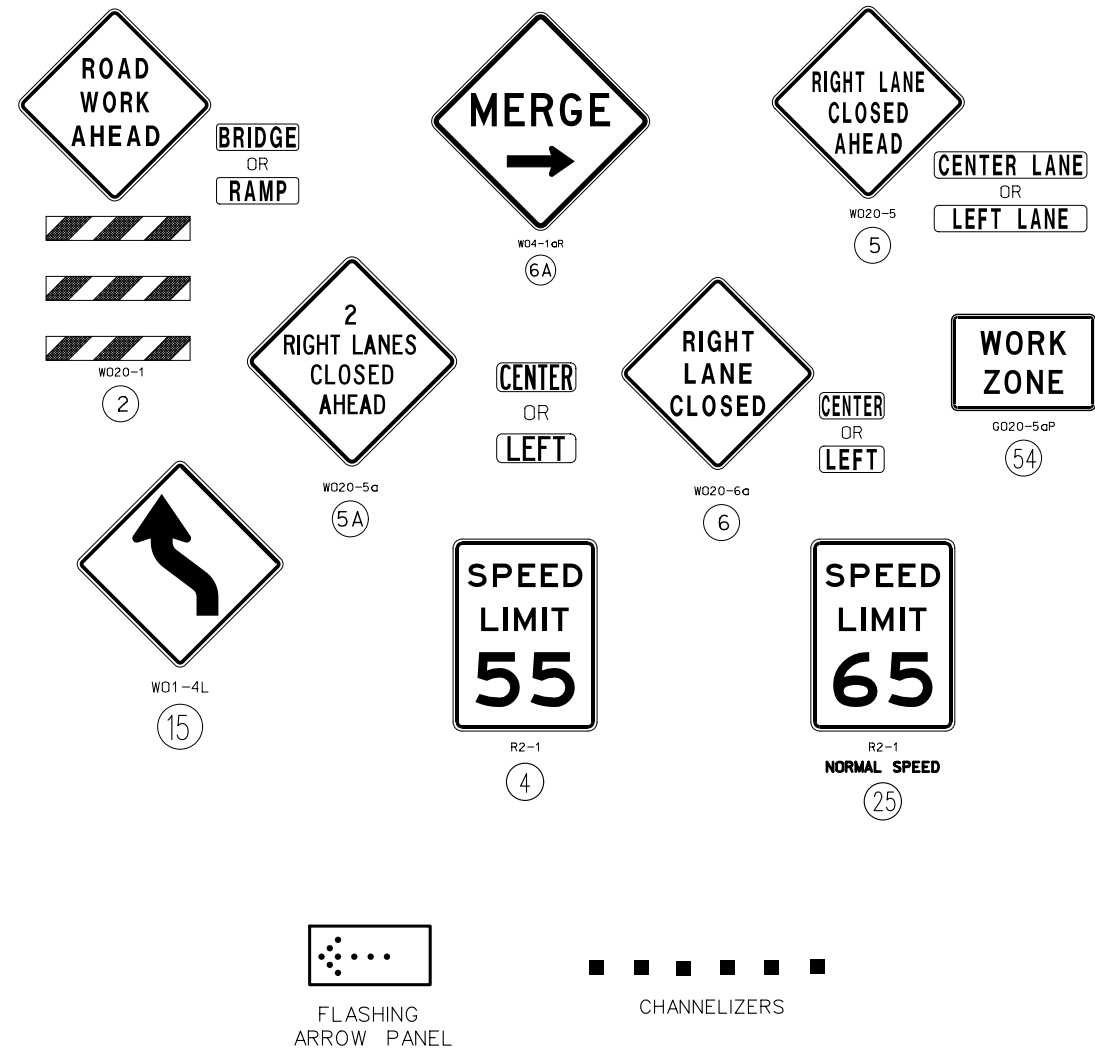
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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





INTERIOR LANE  
 INTERIOR LANE CLOSURES OF  
 MULTI-LANE DIVIDED HIGHWAY



NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (2). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- (3). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (4). ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

INTERIOR LANE  
 CLOSURE ON FREEWAY  
 TEMPORARY  
 TRAFFIC CONTROL  
 SHEET 8 OF 12

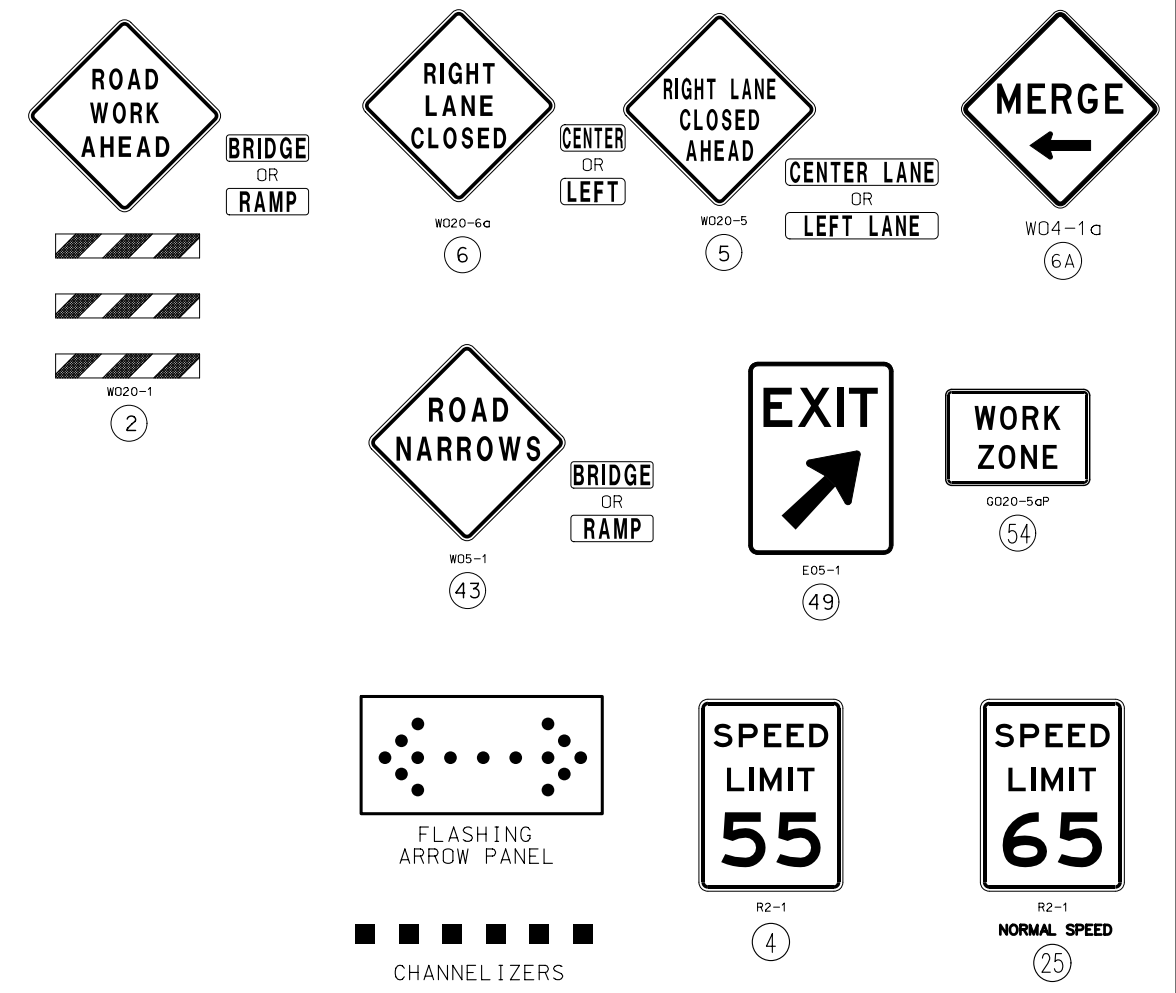
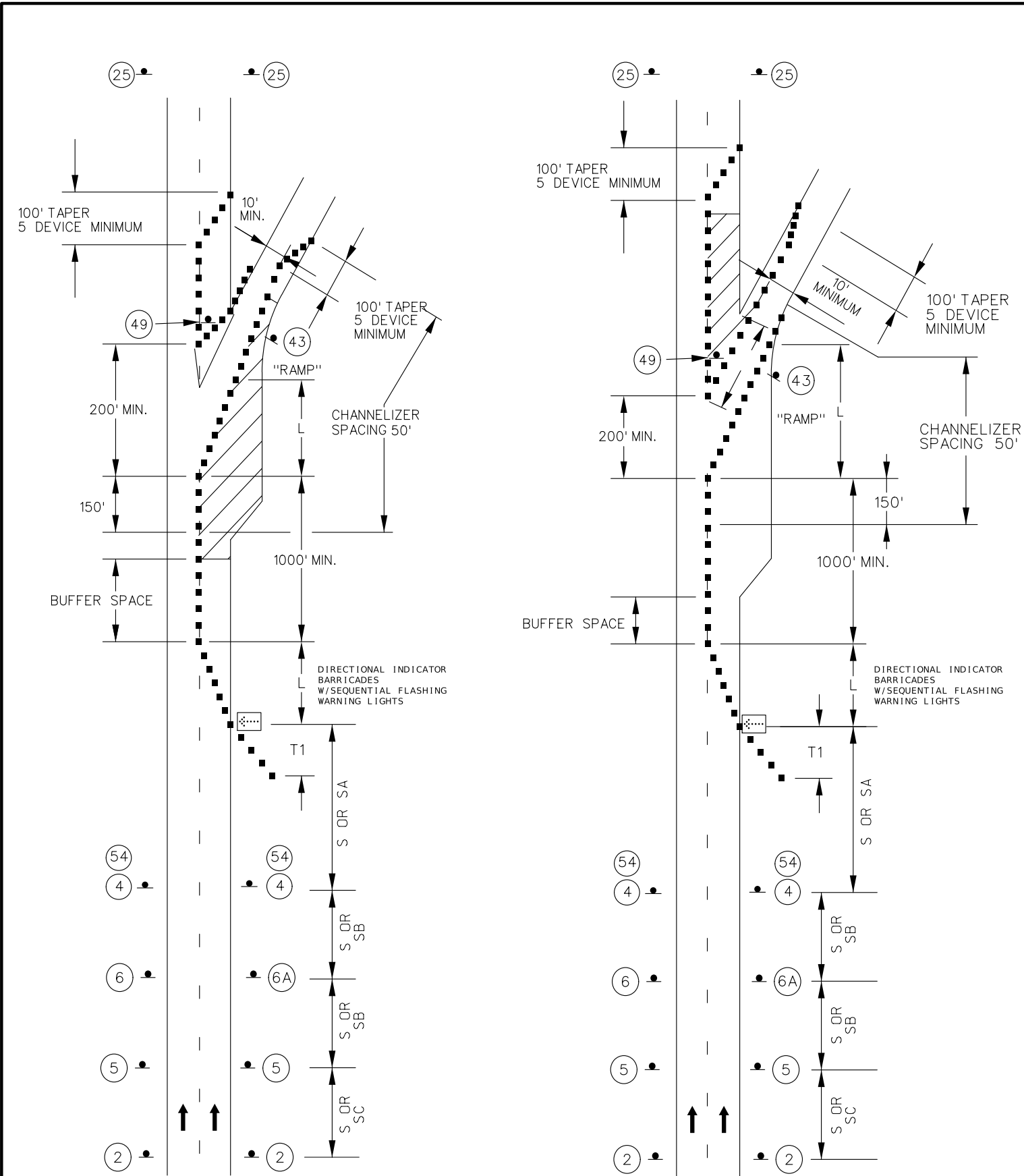


DATE PREPARED  
 7/1/2024  
 ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 19  
 COUNTY PLATTE/CLAY  
 JOB NO. JKU0050  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION

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



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

SIGN 43 REQUIRED WHEN RAMP WIDTH IS REDUCED.

WORK IN THE VICINITY OF A EXIT RAMP AREAS

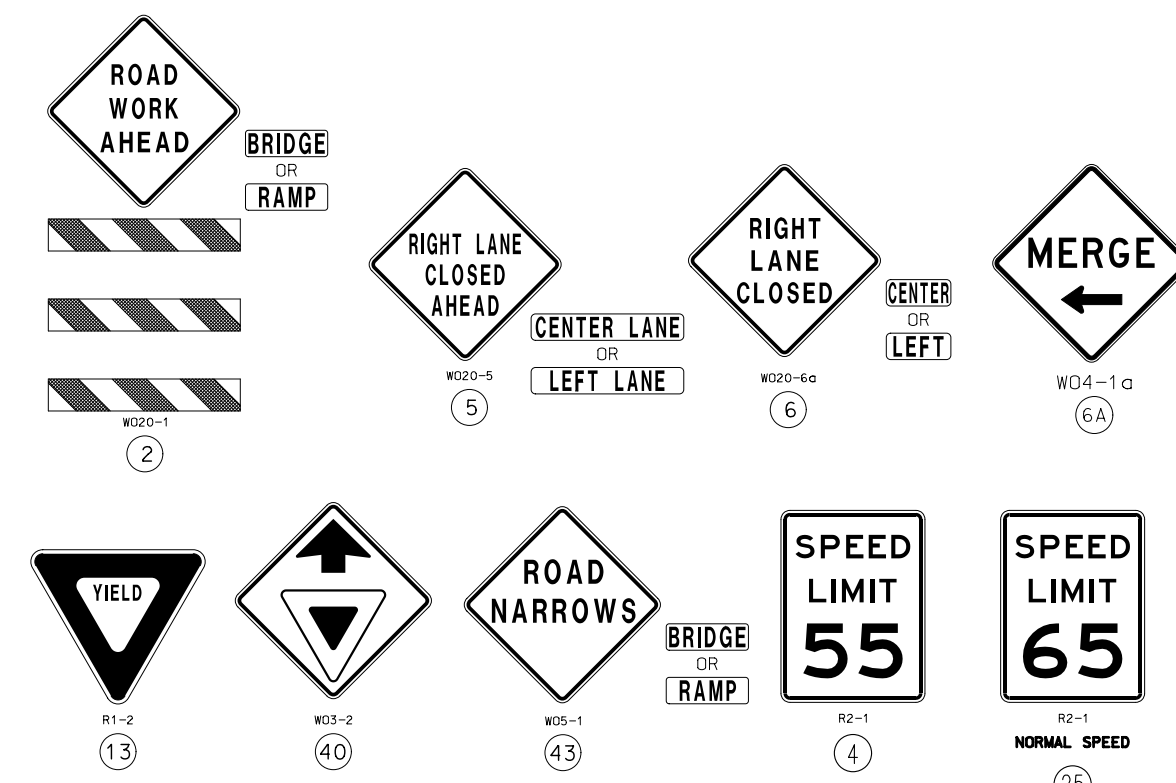
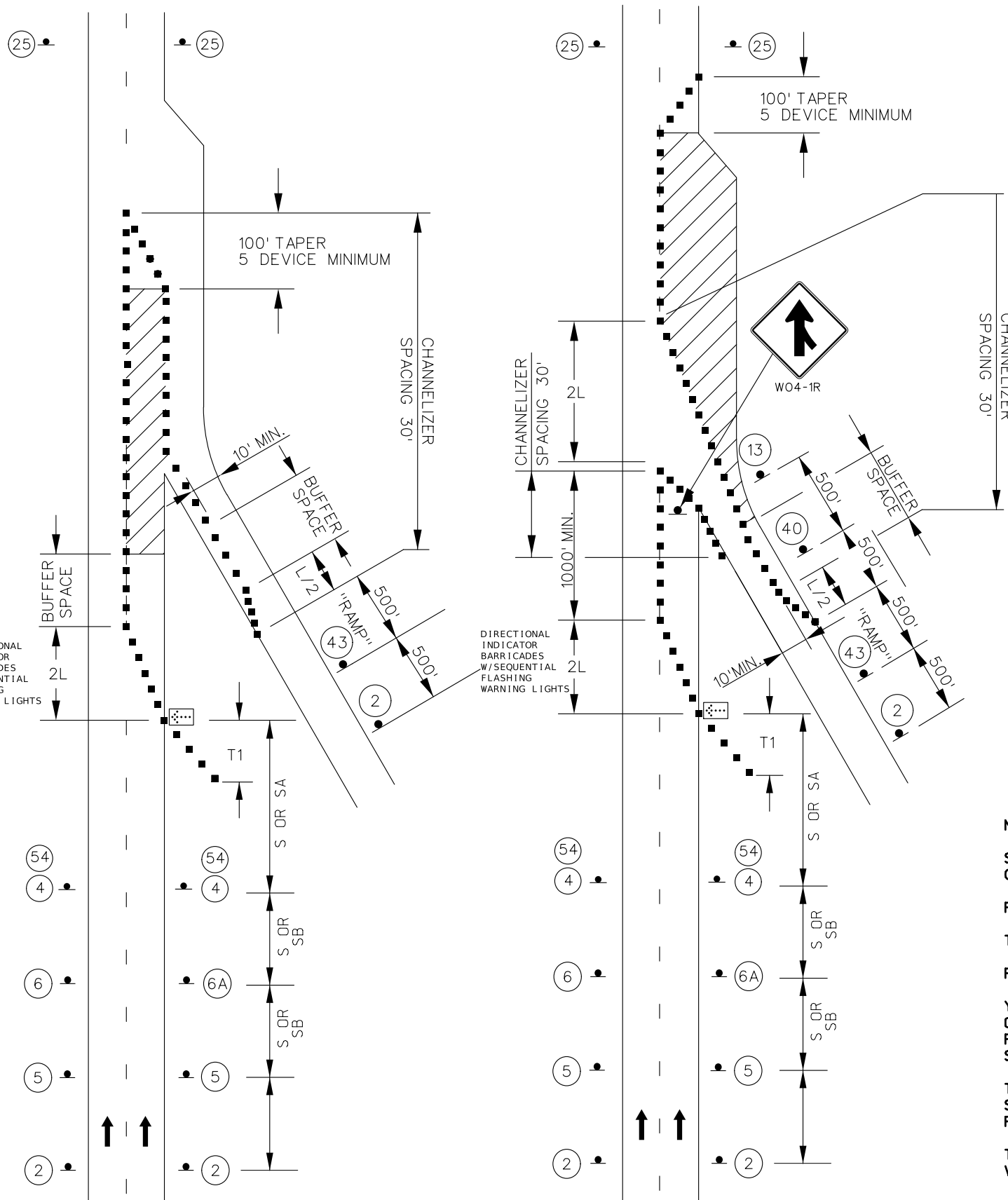
WORK IN VICINITY OF EXIT RAMP  
 TEMPORARY TRAFFIC CONTROL SHEET 9 OF 12

**Craig Skorseth**  
 PROFESSIONAL ENGINEER

DATE PREPARED 7/1/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 20
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
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)

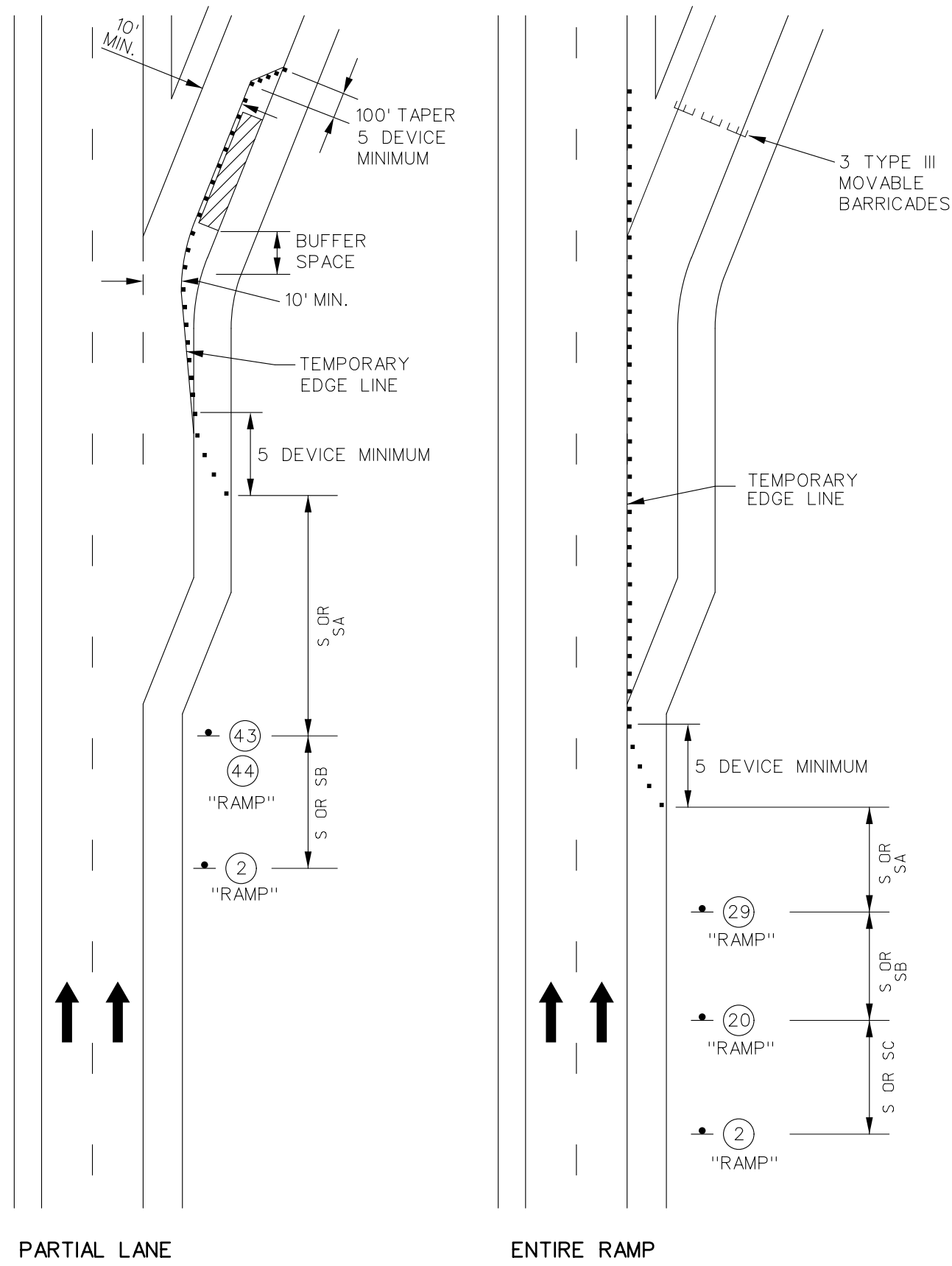


**NOTES:**

- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.
- YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).
- THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.
- THE YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

WORK IN VICINITY  
OF ENTRANCE RAMP  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 10 OF 12

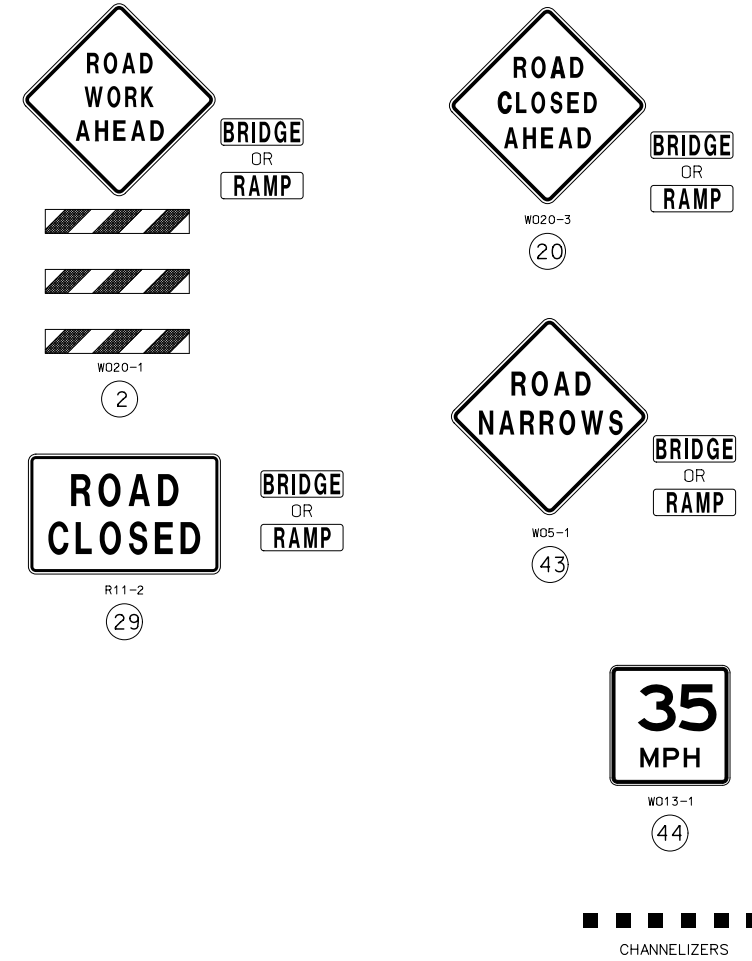
 PROFESSIONAL ENGINEER <i>Craig Skorseth</i> DATE PREPARED: 7/1/2024	
ROUTE <b>152</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>21</b>
COUNTY <b>PLATTE / CLAY</b>	
JOB NO. <b>JKU0050</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	



PARTIAL LANE

ENTIRE RAMP

LANE CLOSURE  
PARTIAL AND TOTAL RAMP CLOSURE



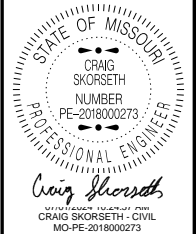
NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

RAMPS MAY BE CLOSED OVER WEEKENDS FROM 7:00 PM FRIDAY TO 6:00 AM MONDAY WITHIN ONE INTERCHANGE AT A TIME WITH THE APPROVAL OF THE ENGINEER.

PARTIAL OR TOTAL  
EXIT RAMP CLOSURE  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 11 OF 12

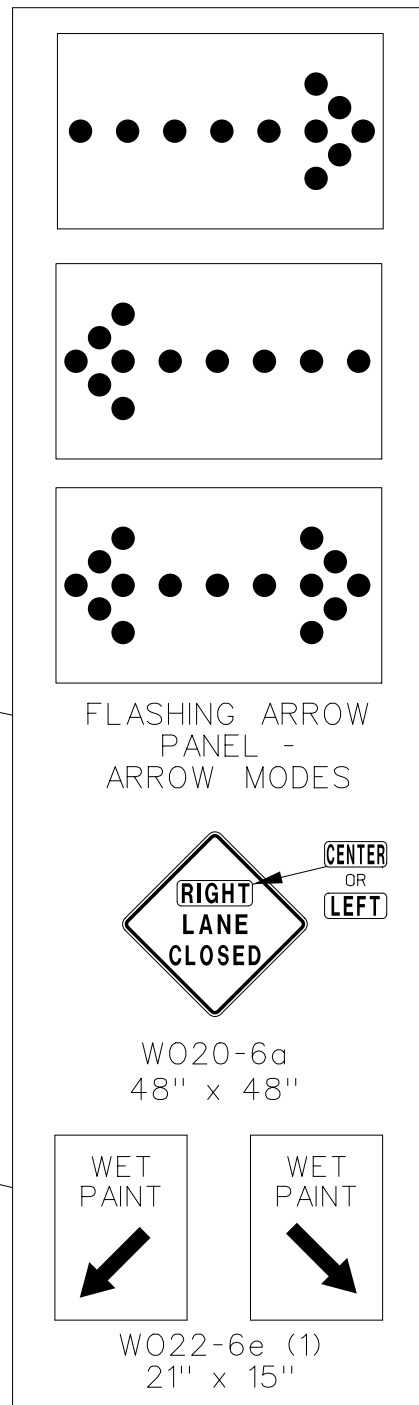
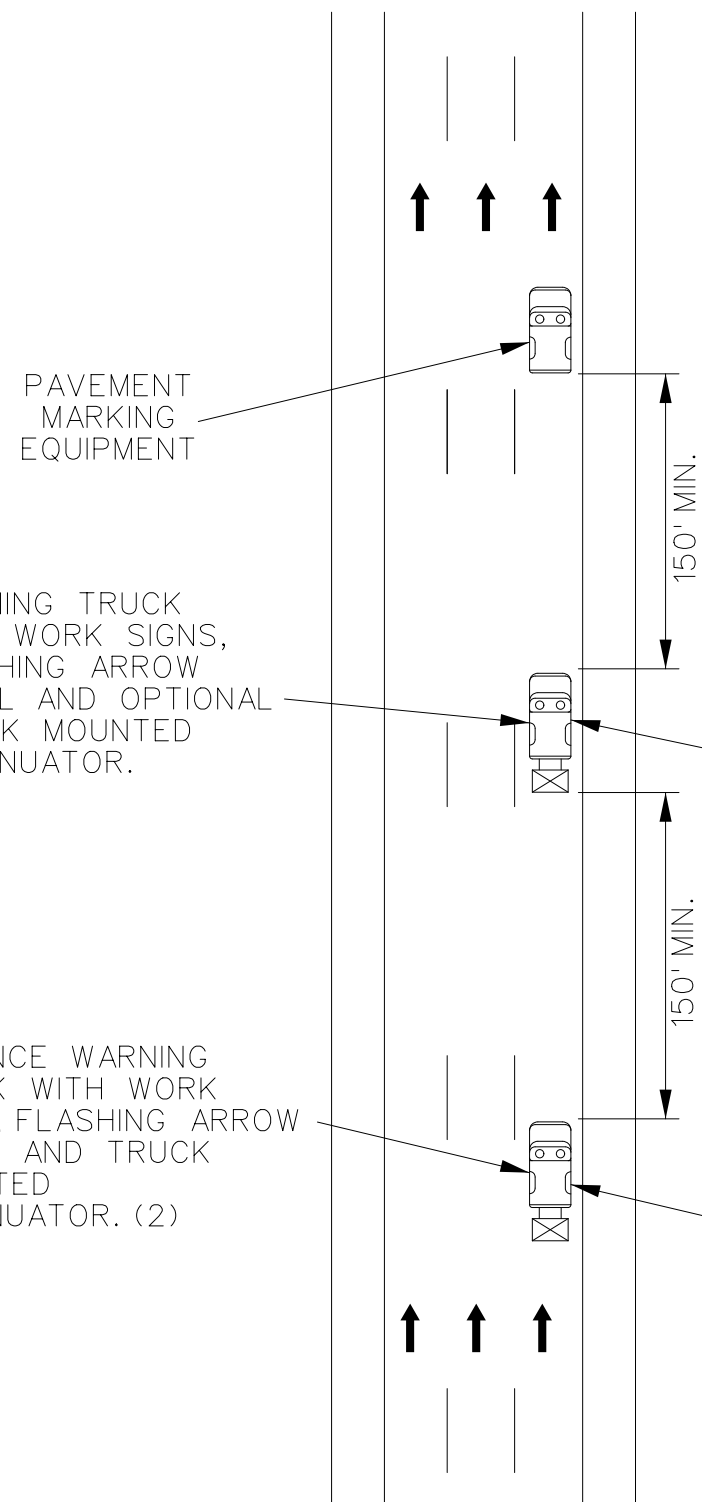


DATE PREPARED  
7/1/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 22  
COUNTY PLATTE/CLAY  
JOB NO. JKU0050  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  

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



NOTES:

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

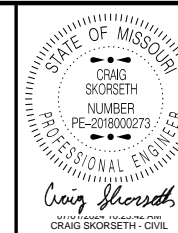
(2). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

MOVING OPERATION ON HIGHWAY  
OPEN TO TRAFFIC  
MULTI-LANE DIVIDED HIGHWAY



DATE PREPARED 7/1/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 23
COUNTY PLATTE/CLAY	
JOB NO. JKU0050	
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)

**DESIGN DESIGNATION**

A.A.D.T. - 2024 = 60,500  
 A.A.D.T. - 2034 = 84,500  
 T = 4%  
 V = 65 M.P.H.

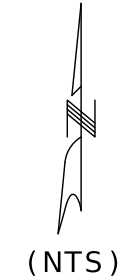
FUNCTIONAL CLASSIFICATION - FREEWAY

**NO RIGHT-OF-WAY TO BE ACQUIRED**

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 PLANS FOR PROPOSED  
 STATE HIGHWAY  
 CLAY COUNTY**



KEY MAP  
 LOCATION OF CLAY COUNTY



(NTS)

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) (3 SHEETS)---	2
QUANTITIES (QU) (8 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-8
RIGHT OF WAY (RW)-----	N/A
REFERENCE POINTS (RP)-----	N/A
COORDINATE POINTS (CP)-----	N/A
SPECIAL SHEETS (SS)-----	9
TRAFFIC CONTROL SHEETS (TC)-----	10-21
EROSION CONTROL SHEETS (EC)-----	N/A
LIGHTING (LT)-----	N/A
SIGNALS (SG)-----	N/A
SIGNING (SN)-----	N/A
PAVEMENT MARKING (PM)-----	4-8
CULVERT SECTIONS (CS)-----	N/A
CROSS SECTIONS (XS)-----	N/A



DATE PREPARED  
 6/3/2024  
 ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 1  
 COUNTY CLAY  
 JOB NO. JKU0052  
 CONTRACT ID.

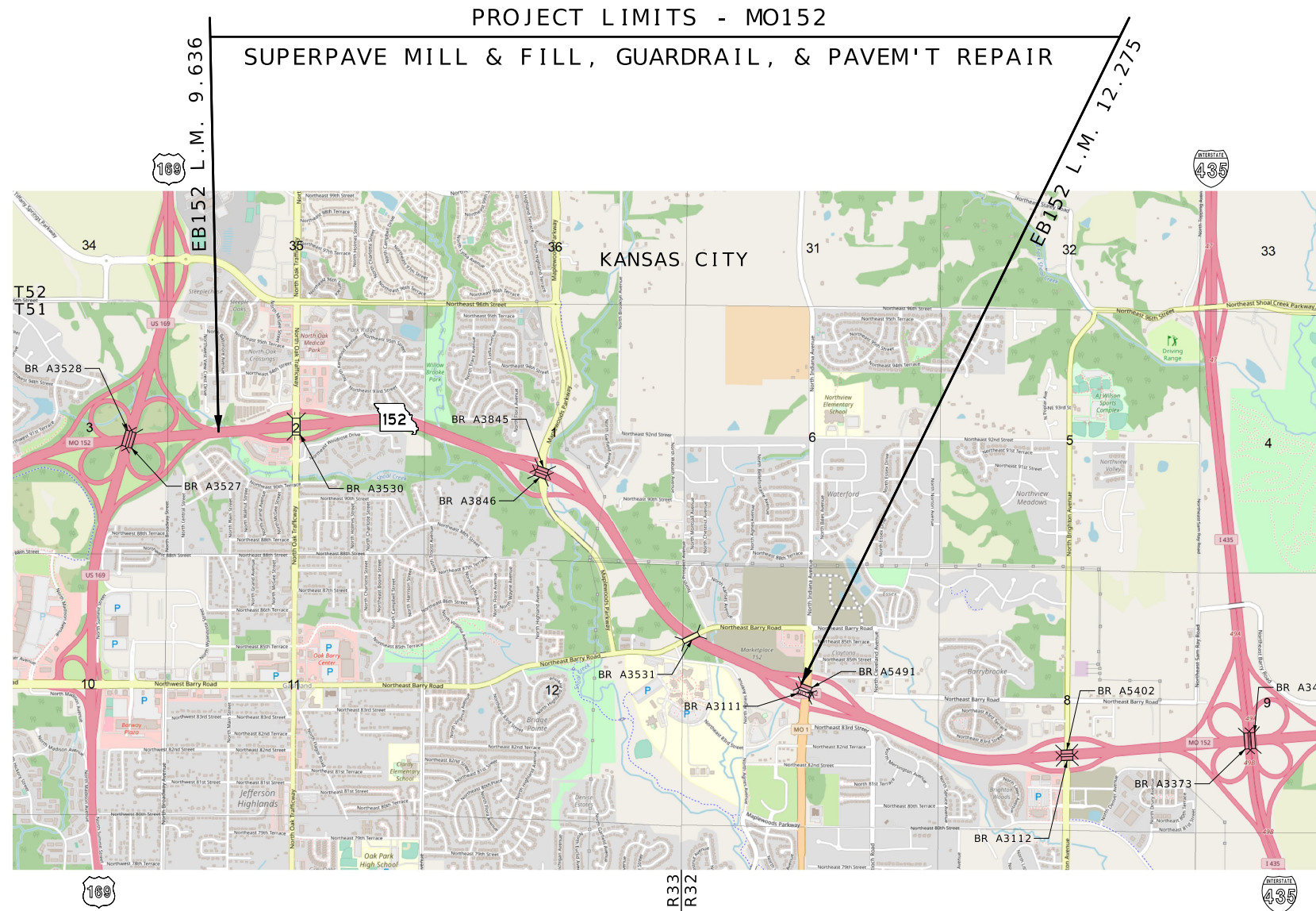
PROJECT NO.  
 BRIDGE NO.

DESCRIPTION	DATE

**CONVENTIONAL SYMBOLS  
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



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.

**LENGTH OF PROJECT**

BEGINNING OF PROJECT	L.M. 9.636
END OF PROJECT	L.M. 12.275
APPARENT LENGTH	2.639 MILES
EQUATIONS AND EXCEPTIONS:	
BR. A3846	L.M. 10.919 - 10.958
TOTAL CORRECTIONS	-0.039 FEET
NET LENGTH OF PROJECT	2.600 MILES
STATE LENGTH	2.600 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
6/3/2024

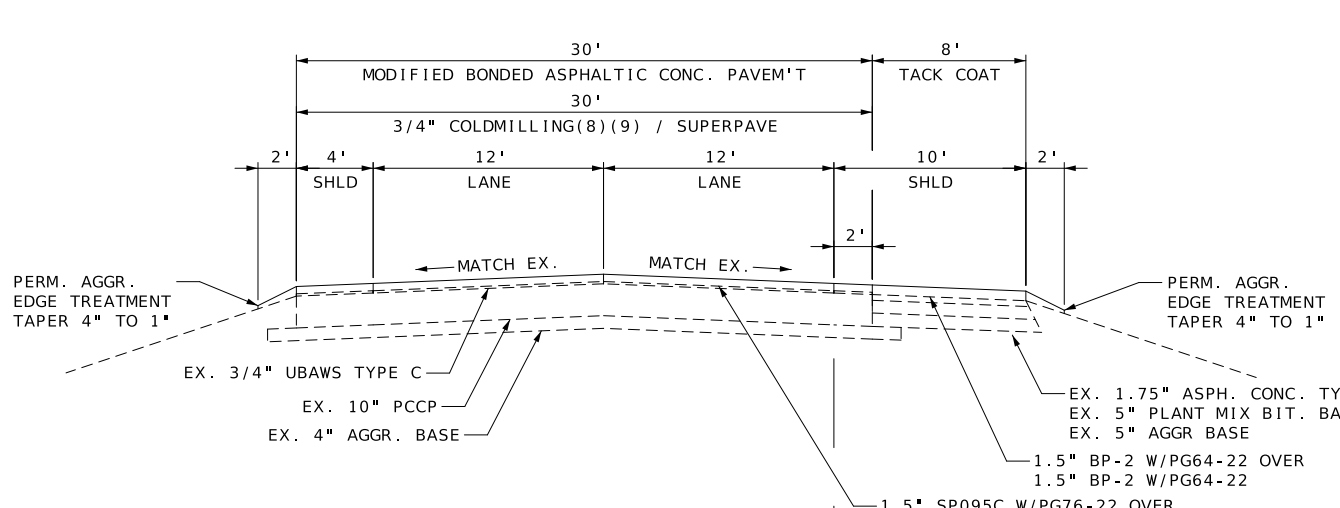
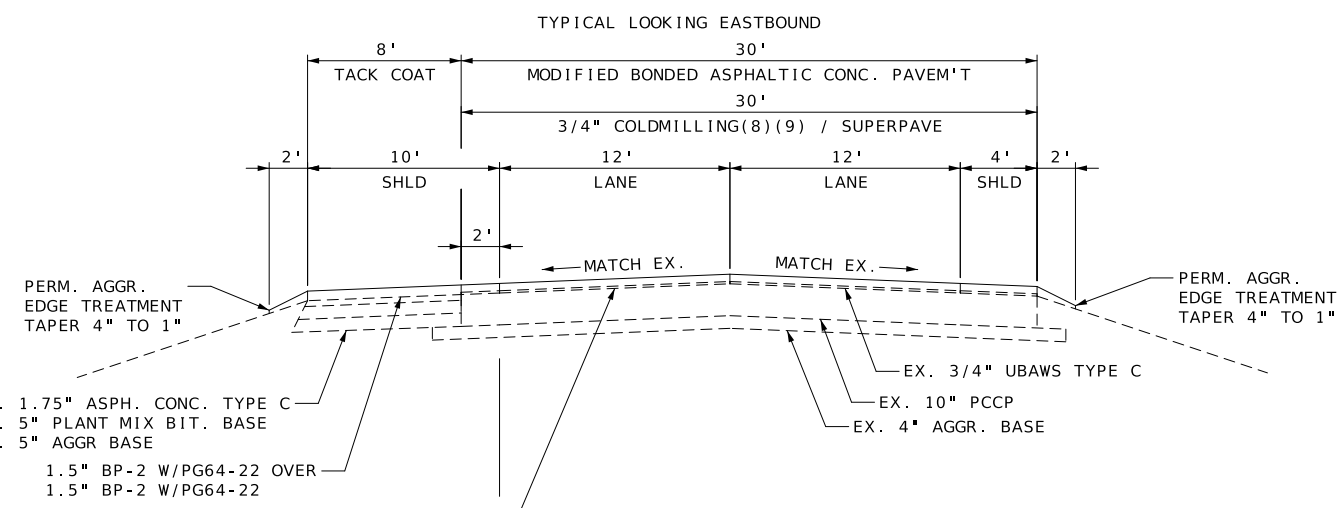
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 2

COUNTY CLAY  
JOB NO. JKU0052  
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)



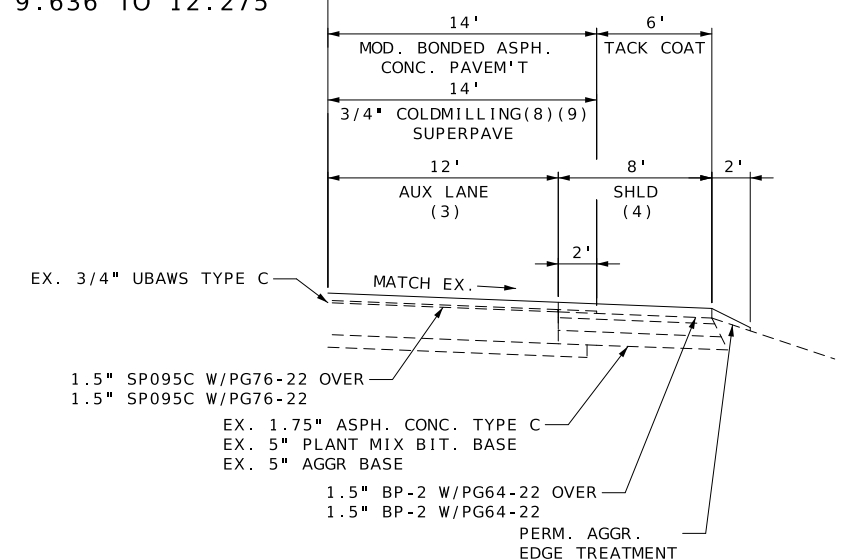
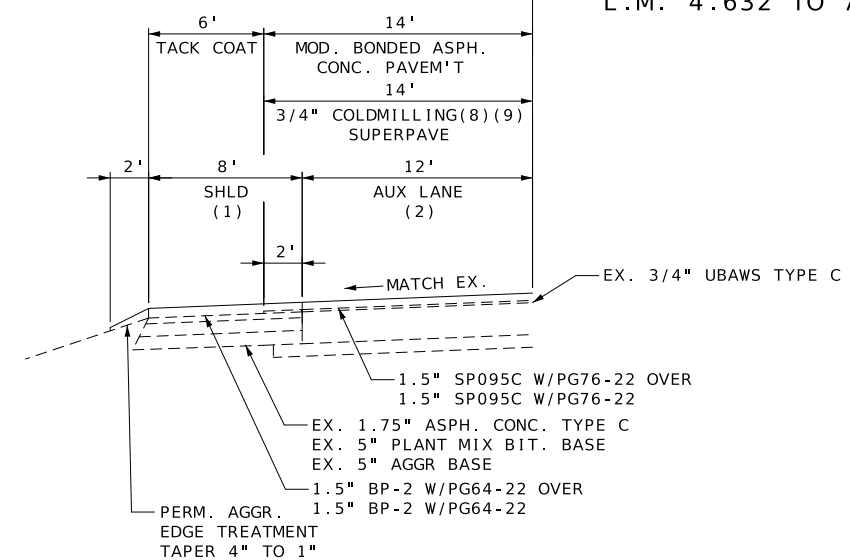
EX. 1.75" ASPH. CONC. TYPE C  
EX. 5" PLANT MIX BIT. BASE  
EX. 5" AGGR BASE  
1.5" BP-2 W/P64-22 OVER  
1.5" BP-2 W/P64-22  
1.5" SP095C W/P76-22 OVER  
1.5" SP095C W/P76-22

EX. 1.75" ASPH. CONC. TYPE C  
EX. 5" PLANT MIX BIT. BASE  
EX. 5" AGGR BASE  
1.5" BP-2 W/P64-22 OVER  
1.5" BP-2 W/P64-22  
1.5" SP095C W/P76-22 OVER  
1.5" SP095C W/P76-22

WB152  
L.M. 4.632 TO 7.246

EB152  
L.M. 9.636 TO 12.275

NOTES:  
(8)-3/4" COLDMILLING TO REMOVE UBAWS/BP-1 WIDTH VARIES IN OUTSIDE SHOULDER  
(9)-3/4" COLDMILLING ON ASPHALT SHOULDER OR COLDMILLING TO EX. CONCRETE ON CONCRETE LANES OR SHOULDER



WB152  
L.M. 4.775 TO 4.914  
L.M. 5.581 TO 5.691  
L.M. 6.137 TO 6.290  
L.M. 6.615 TO 6.727  
L.M. 7.134 TO 7.246

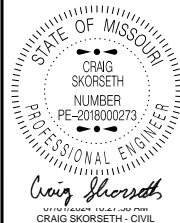
EB152  
L.M. 9.636 TO 9.741  
L.M. 10.170 TO 10.292  
L.M. 10.553 TO 10.684  
L.M. 11.192 TO 11.323  
L.M. 11.944 TO 12.058

LOG MILE	LOG MILE	LOCATION	(2) AUX LANE WIDTH FEET	(1) OUTSIDE SHLD WIDTH FEET
6.615	6.662	WB152	0' TO 12'	10' TO 8'
6.242	6.290	WB152	12' TO 0'	8' TO 10'
5.581	5.628	WB152	0' TO 12'	10' TO 8'
4.859	4.914	WB152	12' TO 0'	8' TO 10'

LOG MILE	LOG MILE	LOCATION	(3) AUX LANE WIDTH FEET	(4) OUTSIDE SHLD WIDTH FEET
10.236	10.292	EB152	12' TO 0'	8' TO 10'
10.553	10.601	EB152	0' TO 12'	10' TO 8'
11.266	11.323	EB152	12' TO 0'	8' TO 10'
11.944	11.990	EB152	0' TO 12'	10' TO 8'

ASPHALT ESTIMATE FACTORS  
(FOR INFORMATION ONLY)  
-SP095C - 1.969 TON/CY  
-BP-2 - 1.984 TON/CY  
-TACK COAT  
(COLDMILLED) - 0.1 GAL/SY  
(EXISTING PAVEMENT) - 0.08 GAL/SY  
(NEW ASPHALT) - 0.05 GAL/SY  
-MODIFIED BONDED ASPH. CONC. PAVEM'T  
0.20 GAL/SY

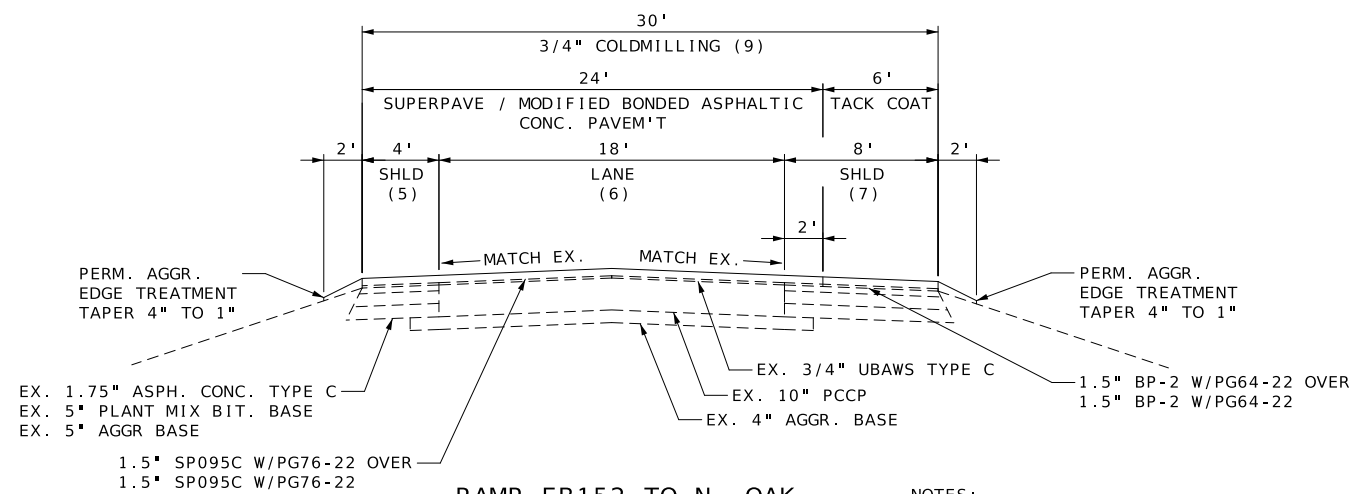
MEDIAN  
GUARDCABLE DETAIL  
WB152 INSIDE SHOULDER  
L.M. 7.246 TO 5.991  
EB152 INSIDE SHOULDER  
L.M. 10.970 TO 12.991



**Craig Skorseth**  
 CRAG SKORSETH - CIVIL  
 MO-PE-2018000273  
 DATE PREPARED  
 6/3/2024

ROUTE 152 STATE MO  
 DISTRICT KC SHEET NO. 2  
 COUNTY CLAY  
 JOB NO. JKU0052  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

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



- RAMP EB152 TO N. OAK  
L.M. 0.000 TO 0.211
- RAMP N. OAK TO EB152  
L.M. 0.013 TO 0.229
- RAMP EB152 TO MAPLEWOODS  
L.M. 0.000 TO 0.306
- RAMP MAPLEWOODS TO EB152  
L.M. 0.004 TO 0.216
- RAMP EB152 TO MO1  
0.000 TO 0.255
- RAMP MO1 TO WB152  
L.M. 0.019 TO 0.172
- RAMP WB152 TO MAPLEWOODS  
L.M. 0.000 TO 0.299
- RAMP MAPLEWOODS TO WB152  
L.M. 0.026 TO 0.186
- RAMP WB152 TO N. OAK  
L.M. 0.000 TO 0.204
- RAMP N. OAK TO WB152  
L.M. 0.002 TO 0.187

NOTES:  
 (9)-3/4\"/>

LOG MILE	LOG MILE	LOCATION	(5) INSIDE SHLD WIDTH FEET	(6) LANE WIDTH FEET	(7) OUTSIDE SHLD WIDTH FEET
0.000	0.036	RAMP EB152 TO N. OAK	GORE (10)	12' TO 18'	8'
0.036	0.048	RAMP EB152 TO N. OAK	4'	18'	8'
0.048	0.108	RAMP EB152 TO N. OAK	4'	18' TO 36'	8'
0.108	0.169	RAMP EB152 TO N. OAK	4'	36'	8'
0.169	0.187	RAMP EB152 TO N. OAK	4'	36'	8'
0.187	0.211	RAMP EB152 TO N. OAK	4'	VAR.	VAR.
0.013	0.031	RAMP N. OAK TO EB152	4'	VAR.	VAR.
0.031	0.055	RAMP N. OAK TO EB152	4'	20.5' TO 18'	8'
0.055	0.189	RAMP N. OAK TO EB152	4'	18'	8'
0.189	0.229	RAMP N. OAK TO EB152	GORE (10)	18' TO 12'	8'
0.000	0.051	RAMP EB152 TO MAPLEWOODS	GORE (10)	12' TO 18'	8'
0.051	0.268	RAMP EB152 TO MAPLEWOODS	4'	18'	8'
0.268	0.293	RAMP EB152 TO MAPLEWOODS	4'	18'	8'
0.293	0.306	RAMP EB152 TO MAPLEWOODS	4'	VAR.	VAR.
0.004	0.020	RAMP MAPLEWOODS TO EB152	VAR.	VAR.	VAR.
0.020	0.046	RAMP MAPLEWOODS TO EB152	4'	18'	8'
0.046	0.159	RAMP MAPLEWOODS TO EB152	4'	18'	8'
0.159	0.216	RAMP MAPLEWOODS TO EB152	GORE (10)	18' TO 12'	8'
0.000	0.038	RAMP EB152 TO MO1	GORE (10)	12' TO 18'	8'
0.038	0.144	RAMP EB152 TO MO1	4'	18'	8'
0.144	0.179	RAMP EB152 TO MO1	4'	18' TO 24'	8'
0.179	0.213	RAMP EB152 TO MO1	4' TO 16'	24'	8'
0.213	0.226	RAMP EB152 TO MO1	16'	24'	8'
0.226	0.235	RAMP EB152 TO MO1	16'	24'	8'
0.235	0.255	RAMP EB152 TO MO1	VAR.	VAR.	VAR.
0.019	0.039	RAMP MO1 TO WB152	4'	VAR.	VAR.
0.039	0.047	RAMP MO1 TO WB152	4'	18'	8'
0.047	0.134	RAMP MO1 TO WB152	4'	18'	8'
0.134	0.172	RAMP MO1 TO WB152	GORE (10)	18' TO 12'	8'
0.000	0.043	RAMP WB152 TO MAPLEWOODS	GORE (10)	12' TO 18'	8'
0.043	0.252	RAMP WB152 TO MAPLEWOODS	4'	18'	8'
0.252	0.281	RAMP WB152 TO MAPLEWOODS	4'	18' TO 23'	8'
0.281	0.299	RAMP WB152 TO MAPLEWOODS	4'	VAR.	VAR.
0.026	0.044	RAMP MAPLEWOODS TO WB152	4'	VAR.	VAR.
0.044	0.072	RAMP MAPLEWOODS TO WB152	4'	18'	8'
0.072	0.148	RAMP MAPLEWOODS TO WB152	4'	18'	8'
0.148	0.186	RAMP MAPLEWOODS TO WB152	GORE (10)	18' TO 12'	8'
0.000	0.038	RAMP WB152 TO N. OAK	GORE (10)	12' TO 18'	8'
0.038	0.053	RAMP WB152 TO N. OAK	4'	18'	8'
0.053	0.091	RAMP WB152 TO N. OAK	4'	18' TO 30'	8'
0.091	0.121	RAMP WB152 TO N. OAK	4'	30' TO 36'	8'
0.121	0.177	RAMP WB152 TO N. OAK	4'	36'	8'
0.177	0.190	RAMP WB152 TO N. OAK	4'	36'	8' TO 4'
0.190	0.204	RAMP WB152 TO N. OAK	4'	VAR.	VAR.
0.002	0.016	RAMP N. OAK TO WB152	4'	VAR.	VAR.
0.016	0.036	RAMP N. OAK TO WB152	4'	24'	8'
0.036	0.122	RAMP N. OAK TO WB152	4'	24'	8'
0.122	0.157	RAMP N. OAK TO WB152	4'	24' TO 18'	8'
0.157	0.187	RAMP N. OAK TO WB152	GORE (10)	18' TO 12'	8'

(10) QUANTITY INCLUDED IN MAINLINE - RESURFACING TABLE

- ASPHALT ESTIMATE FACTORS  
 (FOR INFORMATION ONLY)
- SP095C - 1.969 TON/CY
  - BP-2 - 1.984 TON/CY
  - TACK COAT  
(COLDMILLED) - 0.1 GAL/SY  
(EXISTING PAVEMENT) - 0.08 GAL/SY  
(NEW ASPHALT) - 0.05 GAL/SY
  - MODIFIED BONDED ASPH. CONC. PAVEM'T  
0.20 GAL/SY

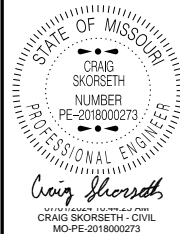












DATE PREPARED  
6/3/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 3  
COUNTY CLAY  
JOB NO. JKU0052  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

RESURFACING - RAMPS & SIDEROADS 2

LOG MILE	LOG MILE	LOCATION	LANE WIDTH FEET	SHOULDER WIDTH FEET	3" ASPH. PAVE. MIX. PG76-22 SP095C TON	3" BIT. PAVE. MIX. PG64-22 BP-2 TON	MOD. BONDED ASPH. CONC. PAVEMENT GAL	TACK COAT GAL	UBAWS TYPE C SY	REMARKS
0.177	0.190	RAMP WB152 TO N. OAK	36'	4' IN, 8' TO 4' OUT	33.4		50			SP-4' IN & 8' TO 4' OUT, DEPTH TRANS. 3" TO 1-1/4"
0.190	0.204	RAMP WB152 TO N. OAK	VAR.	VAR.					355	4' IN & RAMP RADIUS
0.002	0.008	RAMP N. OAK TO WB152	VAR.	VAR.					147	4' IN & RAMP RADIUS
0.008	0.016	RAMP N. OAK TO WB152	VAR.	4' IN, 8' OUT	11.6	2.3	70	10		SP-4' IN & 2' OUT, DEPTH TRANS. 1-1/4" TO 3"
0.016	0.036	RAMP N. OAK TO WB152	24'	4' IN, 8' OUT	45.8	9.2	140	10		SP-4' IN & 2' OUT, DEPTH TRANS. 1-1/4" TO 3"
0.036	0.122	RAMP N. OAK TO WB152	24'	4' IN, 8' OUT	248.4	50.0	610	50		SP-4' IN & 2' OUT
0.122	0.157	RAMP N. OAK TO WB152	24' TO 18'	4' IN, 8' OUT	91.0	20.4	220	20		SP-4' IN & 2' OUT
0.157	0.187	RAMP N. OAK TO WB152	18' TO 12'	8' OUT	49.1	17.5	120	20		SP-2' OUT
2.850	2.931	N. OAK PKWY (SB & NB)	48'	C&G					3445	INCLUDES TURN LANES & INTERSECTIONS
3.001	3.084	N. OAK PKWY (SB & NB)	48'	C&G					3864	INCLUDES TURN LANES & INTERSECTIONS
2.379	2.609	MAPLEWOODS PKWY (SB & NB)	48'	C&G					6479	INCLUDES TURN LANES, INTERSECTIONS, & STUB OUT
SUB-TOTAL					479.3	99.4	1210	110	14290	
PAY-TOTAL					(1)	(1)	(1)	(1)	(1)	

IN - INSIDE SHOULDER  
OUT - OUTSIDE SHOULDER  
SP - SUPERPAVE

(1) - SEE RESURFACING MAINLINE TABLE FOR PAY-TOTALS

RESURFACING - VEGETATIVE BARRIER

LOG MILE	LOG MILE	LOCATION	VEGATATIVE BARRIER WIDTH FEET	3" ASPH. PAVE. MIX. PG76-22 SP095C TON	REMARKS
10.970	12.991	EB350, LT	3	583.6	MEDIAN FORESLOPE
5.991	7.246	WB350, LT	3	362.4	MEDIAN FORESLOPE
SUB-TOTAL				946.0	
PAY-TOTAL				(1)	

(1) - SEE RESURFACING MAINLINE TABLE FOR PAY-TOTAL

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	6" WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING LF	24" WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING LF	24" YELLOW PERFORMED THERMOPLASTIC PAVEMENT MARKING LF	LEFT / RIGHT PERFORMED THERMOPLASTIC PAVEMENT MARKING EACH	" ONLY " PERFORMED THERMOPLASTIC PAVEMENT MARKING EACH	30" WHITE MIDBLOCK PERFORMED THERMOPLASTIC PAVEMENT MARKING EACH	4" YELLOW HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	6" WHITE HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	6" YELLOW HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	12" WHITE HB WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS LF	PAVEMENT MARKING REMOVAL * LF	PAVEMENT MARKING REMOVAL (SYMBOLS) * EACH	REMARKS
9.636	12.275	EB152								17524	13934	2490			INCLUDES GORES
0.036	0.211	RAMP EB152 TO N. OAK		24		9		9		2099	907				6 LT / 3 RT ARROWS
2.850	3.084	N. OAK PKWY (SB & NB)	106	210		15				3504	2093		84	4	11 LT / 4 RT ARROWS
0.013	0.189	RAMP N. OAK TO EB152						9		1044	917		108	4	
0.051	0.306	RAMP EB152 TO MAPLEWOODS		37				9		1333	1310				
2.379	2.609	MAPLEWOODS PKWY (SB & NB)				4	3	23	120	604	302		132	4	4 LT ARROW
0.004	0.159	RAMP MAPLEWOODS TO EB152						3		864	832				
0.038	0.255	RAMP EB152 TO MO1		55	117	2				1387	1126				1 LT / 1 RT ARROWS
4.632	7.246	WB152								16697	13795	2562			INCLUDES GORES
0.019	0.134	RAMP MO1 TO WB152								782	612				
0.043	0.299	RAMP WB152 TO MAPLEWOODS		18				6		1379	1324				
0.026	0.148	RAMP MAPLEWOODS TO WB152						11		647	629				
0.038	0.204	RAMP WB152 TO N. OAK		24		9		8		1852	873				6 LT / 3 RT ARROWS
0.002	0.157	RAMP N. OAK TO WB152						10		999	811				
PAY-TOTALS			106	368	117	39	3	88	120	50715	39465	5052	324	12	

\* REMOVE EXISTING STOP BARS, TURN ARROWS, AND MIDBLOCK PED CROSSING ON EXISTING CONCRETE OR WHERE NO COLDMILLING WILL HAPPEN

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









SIGN SIZE AREA QTY TOTAL QTY TOTAL SIGN  
IN. SQ.FT. EACH SQ.FT. EACH SQ.FT. NUM.

WARNING SIGNS

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, QTY, TOTAL, SIGN, DESCRIPTION. Includes rows for WO1-1L through WO22-1.

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, QTY, TOTAL, SIGN, DESCRIPTION. Includes rows for E05-1 through GO22-1.

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, QTY, TOTAL, SIGN, DESCRIPTION. Includes rows for R1-1 through CONST-3X.

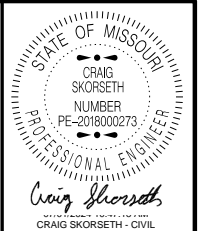
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Table with columns: ITEM, TOTAL, DESCRIPTION. Includes rows for 6161008 through 6169902.

WET PAINT (ARROW PIVOTS)

616-10.05 CONSTRUCTION SIGNS TOTAL 1658

616-10.10 RELOCATED SIGNS TOTAL 0



DATE PREPARED  
6/3/2024

ROUTE 152 STATE MO  
DISTRICT SHEET NO. KC 3

COUNTY CLAY  
JOB NO. JKU0052  
CONTRACT ID.

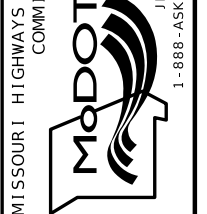
PROJECT NO.

BRIDGE NO.

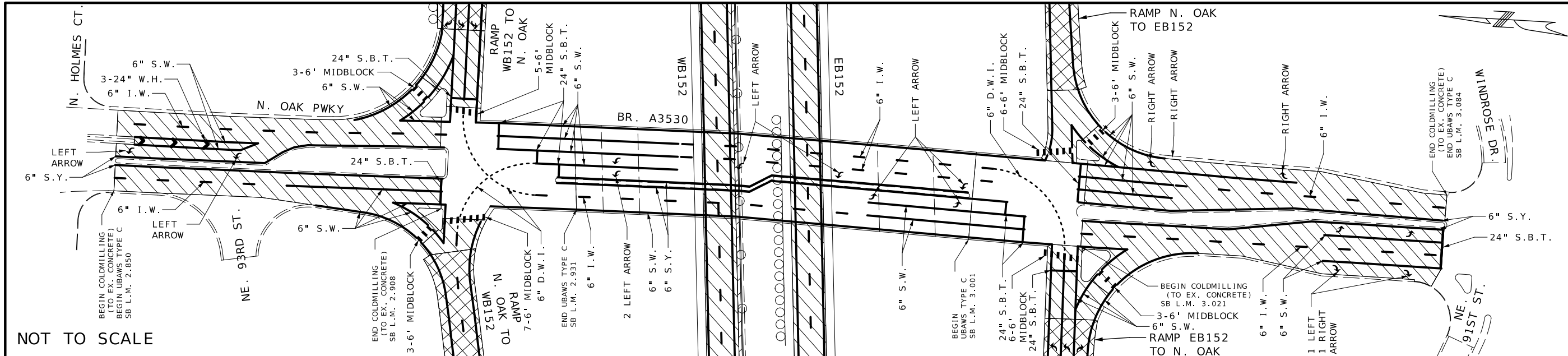
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



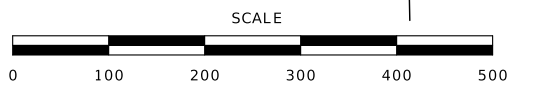
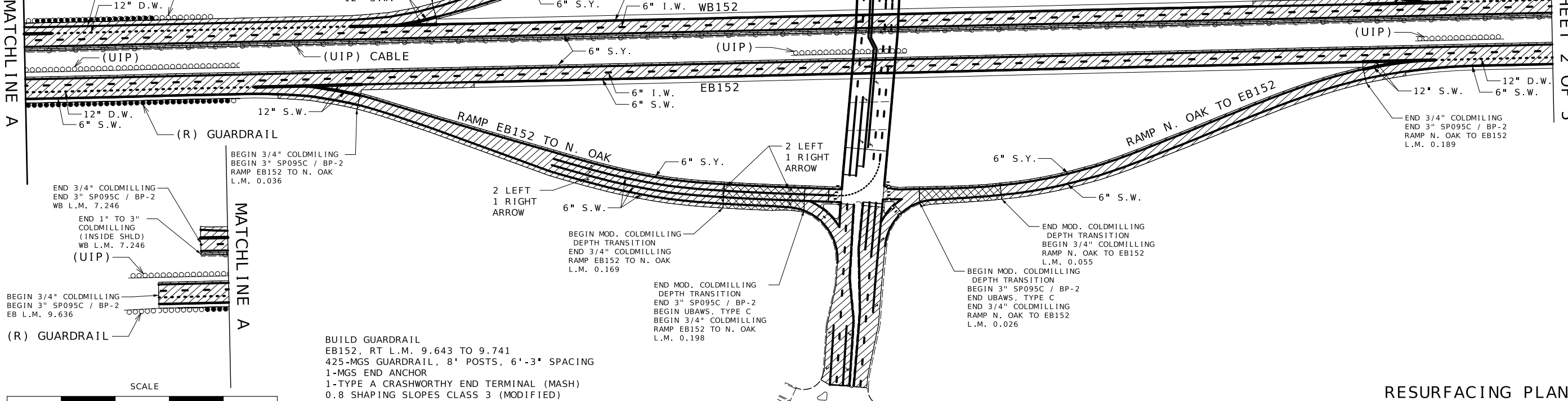
NOT TO SCALE

- PAVEMENT MARKING LEGEND**
- S.Y. - SOLID YELLOW HIGH BUILD
  - S.W. - SOLID WHITE HIGH BUILD
  - D.Y. - DOUBLE YELLOW HIGH BUILD
  - D.W. - DOTTED WHITE HIGH BUILD (3' STRIPE X 9' GAP)
  - I.Y. - INTERMITTENT YELLOW HIGH BUILD
  - I.W. - INTERMITTENT WHITE HIGH BUILD
  - D.W.I. - DOTTED WHITE INTERSECTION THERMOPLASTIC (2' STRIPE X 4' GAP)
  - S.B.T. - WHITE STOPBAR THERMOPLASTIC
  - ARROW - WHITE ARROW THERMOPLASTIC
  - ONLY - WHITE "ONLY" WORD THERMOPLASTIC
  - MIDBLOCK - 30" WHITE MIDBLOCK THERMOPLASTIC
  - Y.H. - YELLOW HASH THERMOPLASTIC
  - W.H. - WHITE HASH THERMOPLASTIC

- NOTES:**
- COLDMILLING
  - MOD. COLDMILLING DEPTH TRANSITION

**BUILD GUARDRAIL**  
 WB152, RT L.M. 7.181 TO 7.236  
 225-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS END ANCHOR  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 0.8 SHAPING SLOPES CLASS 3 (MODIFIED)

**BUILD GUARDRAIL**  
 RAMP WB152 TO N. OAK, RT L.M. 0.072 TO 0.190  
 550-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS END ANCHOR  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 0.8 SHAPING SLOPES CLASS 3 (MODIFIED)



**BUILD GUARDRAIL**  
 EB152, RT L.M. 9.643 TO 9.741  
 425-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS END ANCHOR  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 0.8 SHAPING SLOPES CLASS 3 (MODIFIED)

**BUILD GUARDRAIL**  
 WB152, RT L.M. 6.674 TO 6.727  
 212.5-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS END ANCHOR  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 0.8 SHAPING SLOPES CLASS 3 (MODIFIED)

**BUILD GUARDRAIL**  
 RAMP WB152 TO N. OAK, RT L.M. 0.072 TO 0.190  
 550-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING  
 1-MGS END ANCHOR  
 1-TYPE A CRASHWORTHY END TERMINAL (MASH)  
 0.8 SHAPING SLOPES CLASS 3 (MODIFIED)



DATE PREPARED	6/3/2024
ROUTE	152
STATE	MO
DISTRICT	KC
SHEET NO.	4
COUNTY	CLAY
JOB NO.	JKU0052
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SEE SHEET 2 OF 5

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



DATE PREPARED  
6/3/2024

ROUTE	STATE
152	MO
DISTRICT	SHEET NO.
KC	5

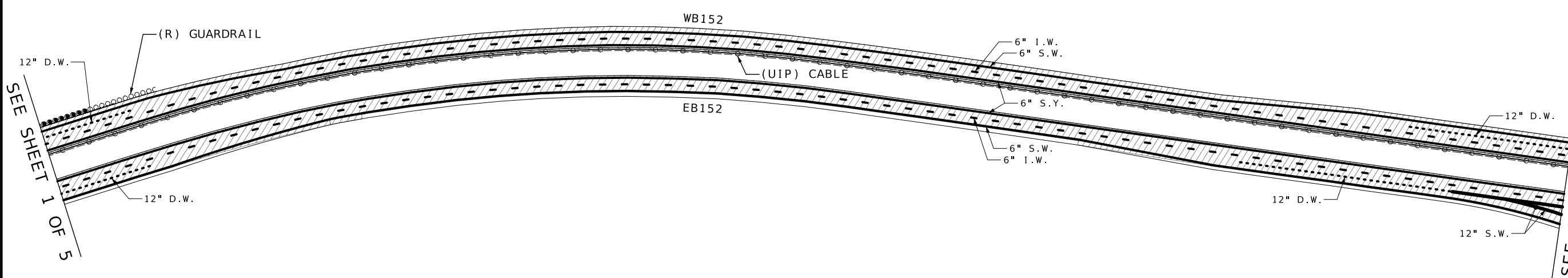
COUNTY  
CLAY

JOB NO.  
JKU0052

CONTRACT ID.

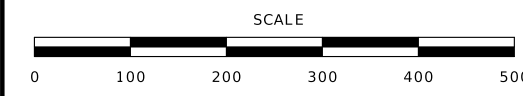
PROJECT NO.

BRIDGE NO.



SEE SHEET 1 OF 5

SEE SHEET 3 OF 5

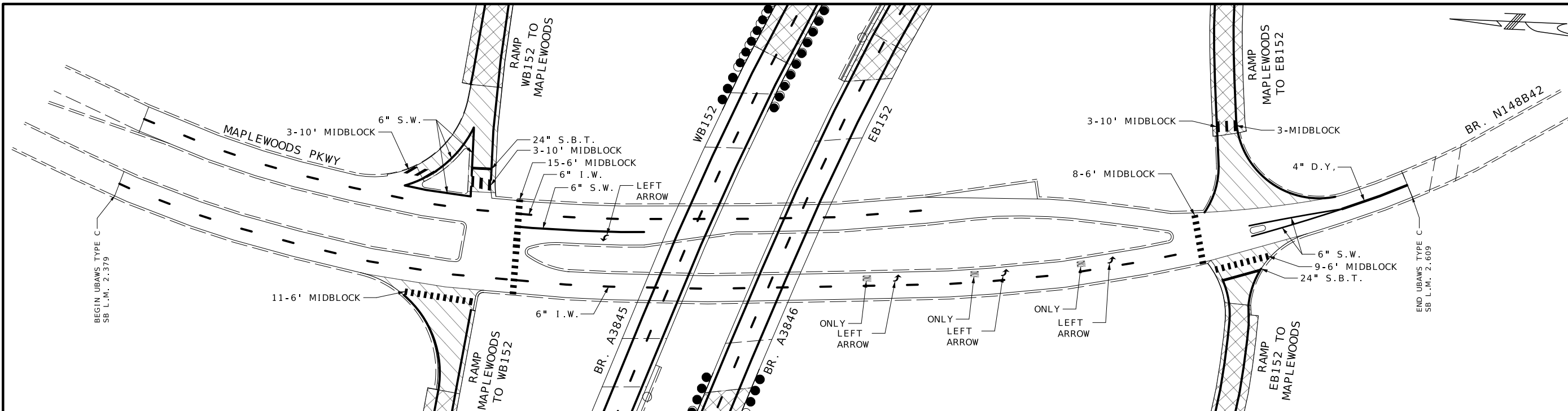


RESURFACING PLAN  
SHEET 2 OF 5

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

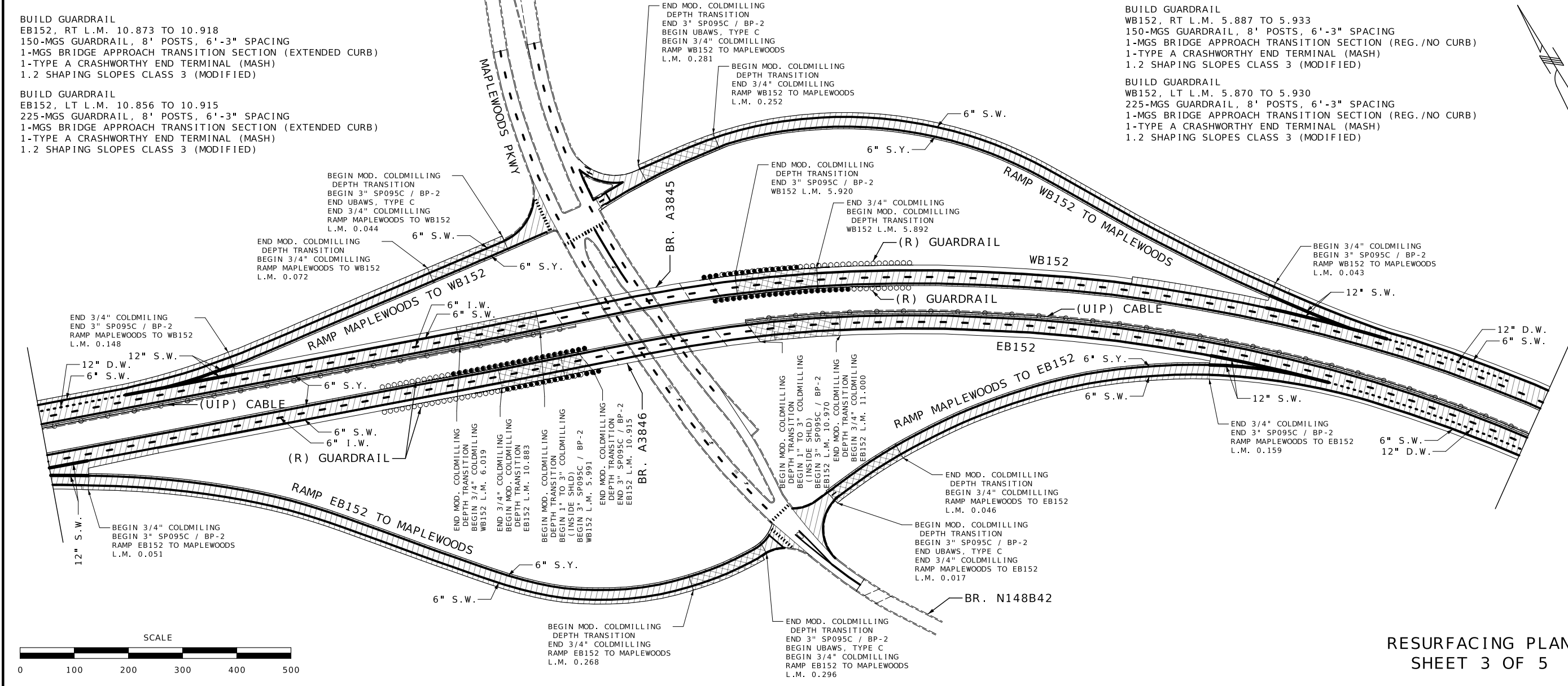
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



STATE OF MISSOURI  
 CRAIG SKORSETH  
 NUMBER PE-2018000273  
 PROFESSIONAL ENGINEER  
 Craig Skorseth

DATE PREPARED  
 6/3/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 6
COUNTY CLAY	JOB NO. JKU0052
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

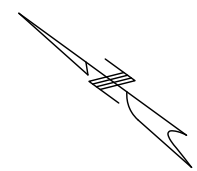


DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RESURFACING PLAN  
 SHEET 3 OF 5



DATE PREPARED  
6/3/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 7

COUNTY  
CLAY

JOB NO.  
JKU0052

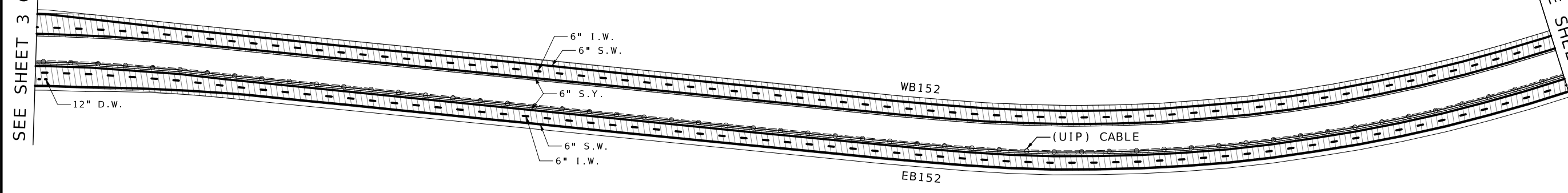
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

SEE SHEET 3 OF 5

SEE SHEET 5 OF 5



RESURFACING PLAN  
SHEET 4 OF 5

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SEE SHEET 4 OF 5



DATE PREPARED

6/3/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 8

COUNTY CLAY

JOB NO. JKU0052

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DESCRIPTION	DATE

DATE

DESCRIPTION

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DESCRIPTION

DATE

BR. A3531

WB152

(UIP)

EB152

(UIP) CABLE

(R) GUARDRAIL

BR. A5491

BR. A3111

MO ROUTE 1

BEGIN MOD. COLDMILLING DEPTH TRANSITION BEGIN 3" SP095C / BP-2 RAMP MO1 TO WB152 L.M. 0.019

END MOD. COLDMILLING DEPTH TRANSITION BEGIN 3/4" COLDMILLING RAMP MO1 TO WB152 L.M. 0.047

END 3/4" COLDMILLING END 3" SP095C / BP-2 RAMP MO1 TO WB152 L.M. 0.134

END MOD. COLDMILLING DEPTH TRANSITION BEGIN 3/4" COLDMILLING WB152 L.M. 4.660

BEGIN MOD. COLDMILLING DEPTH TRANSITION BEGIN 3" SP095C / BP-2 WB152 L.M. 4.632

BEGIN 3/4" COLDMILLING DEPTH TRANSITION RAMP EB152 TO MO1 L.M. 0.038

END 1" TO 3" COLDMILLING (INSIDE SHLD) EB152 L.M. 12.199

END 3/4" COLDMILLING BEGIN MOD. COLDMILLING DEPTH TRANSITION EB152 L.M. 12.235

END MOD. COLDMILLING DEPTH TRANSITION END 3" SP095C / BP-2 BEGIN 3/4" COLDMILLING BEGIN UBAWS TYPE C EB152 L.M. 12.263

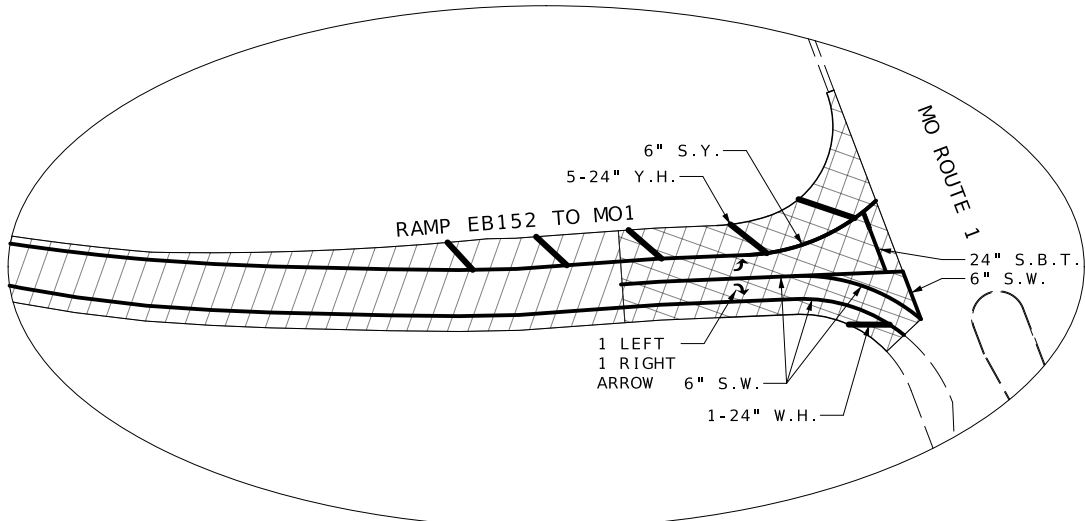
END 3/4" COLDMILLING END UBAWS TYPE C EB152 L.M. 12.275

BEGIN MOD. COLDMILLING DEPTH TRANSITION END 3/4" COLDMILLING RAMP EB152 TO MO1 L.M. 0.226

END MOD. COLDMILLING DEPTH TRANSITION END 3" SP095C / BP-2 RAMP EB152 TO MAPLEWOODS L.M. 0.255

BUILD GUARDRAIL EB152, RT L.M. 12.229 TO 12.274 150-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) 1-TYPE A CRASHWORTHY END TERMINAL (MASH) 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)

BUILD GUARDRAIL EB152, LT L.M. 12.198 TO 12.272 300-MGS GUARDRAIL, 8' POSTS, 6'-3" SPACING 1-MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) 1-TYPE A CRASHWORTHY END TERMINAL (MASH) 1.2 SHAPING SLOPES CLASS 3 (MODIFIED)



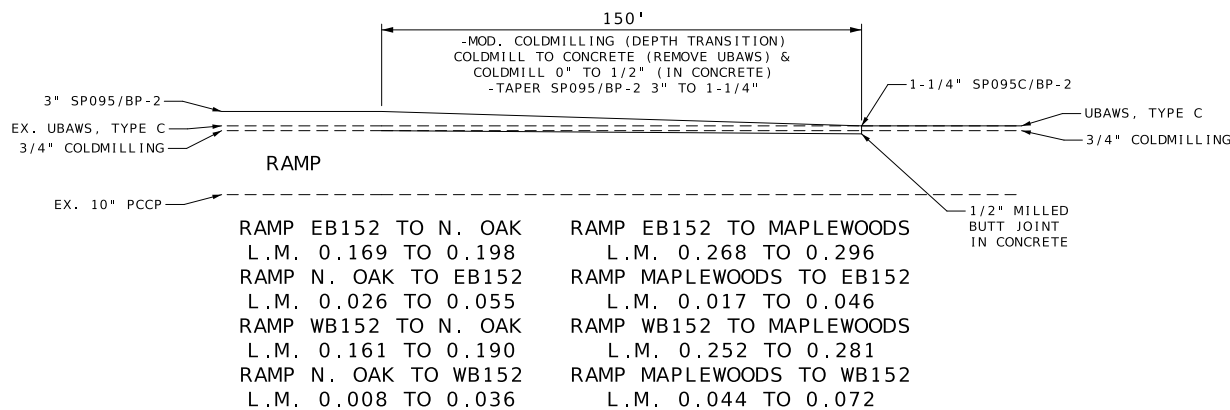
SCALE



# RESURFACING PLAN SHEET 5 OF 5

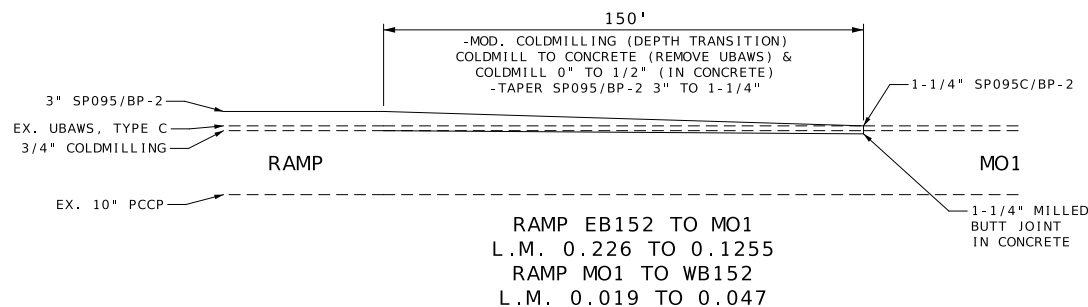


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

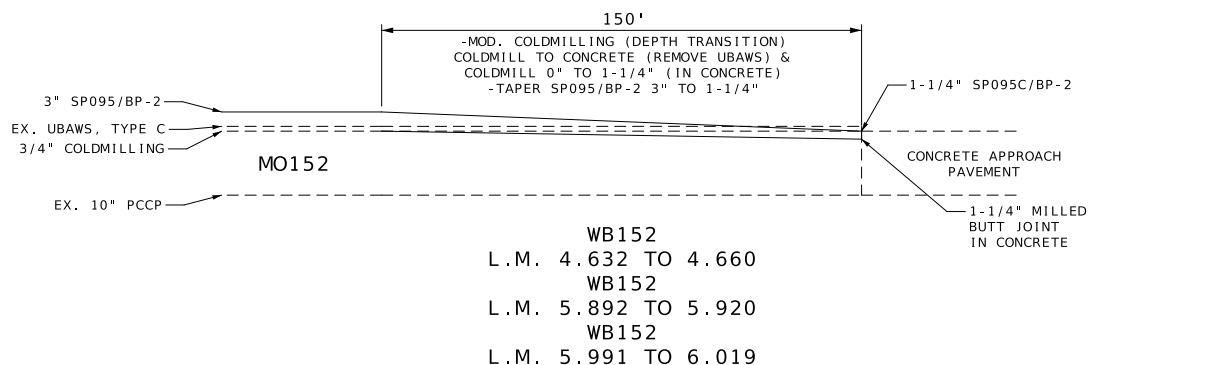


RAMP EB152 TO N. OAK  
L.M. 0.169 TO 0.198  
RAMP N. OAK TO EB152  
L.M. 0.026 TO 0.055  
RAMP WB152 TO N. OAK  
L.M. 0.161 TO 0.190  
RAMP N. OAK TO WB152  
L.M. 0.008 TO 0.036

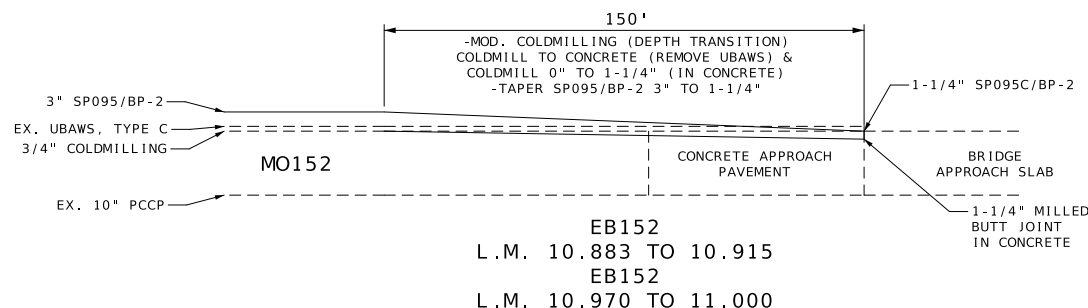
RAMP EB152 TO MAPLEWOODS  
L.M. 0.268 TO 0.296  
RAMP MAPLEWOODS TO EB152  
L.M. 0.017 TO 0.046  
RAMP WB152 TO MAPLEWOODS  
L.M. 0.252 TO 0.281  
RAMP MAPLEWOODS TO WB152  
L.M. 0.044 TO 0.072



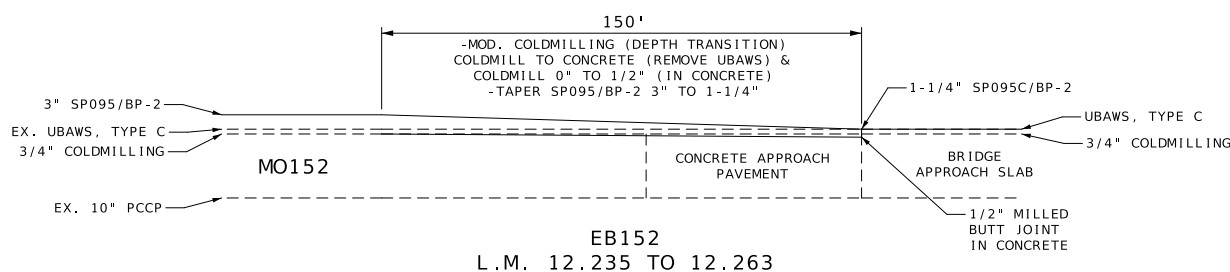
RAMP EB152 TO MO1  
L.M. 0.226 TO 0.1255  
RAMP MO1 TO WB152  
L.M. 0.019 TO 0.047



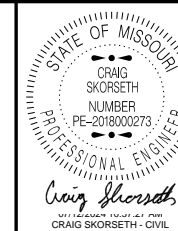
WB152  
L.M. 4.632 TO 4.660  
WB152  
L.M. 5.892 TO 5.920  
WB152  
L.M. 5.991 TO 6.019



EB152  
L.M. 10.883 TO 10.915  
EB152  
L.M. 10.970 TO 11.000



EB152  
L.M. 12.235 TO 12.263



DATE PREPARED  
7/12/2024

ROUTE 152 STATE MO

DISTRICT KC SHEET NO. 9

COUNTY CLAY

JOB NO. JKU0052

CONTRACT ID.

PROJECT NO.

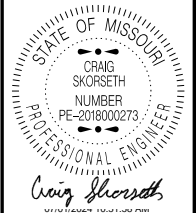
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

## SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER



DATE PREPARED  
**6/3/2024**

ROUTE <b>152</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>10</b>

COUNTY  
**CLAY**

JOB NO.  
**JKU0052**

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)

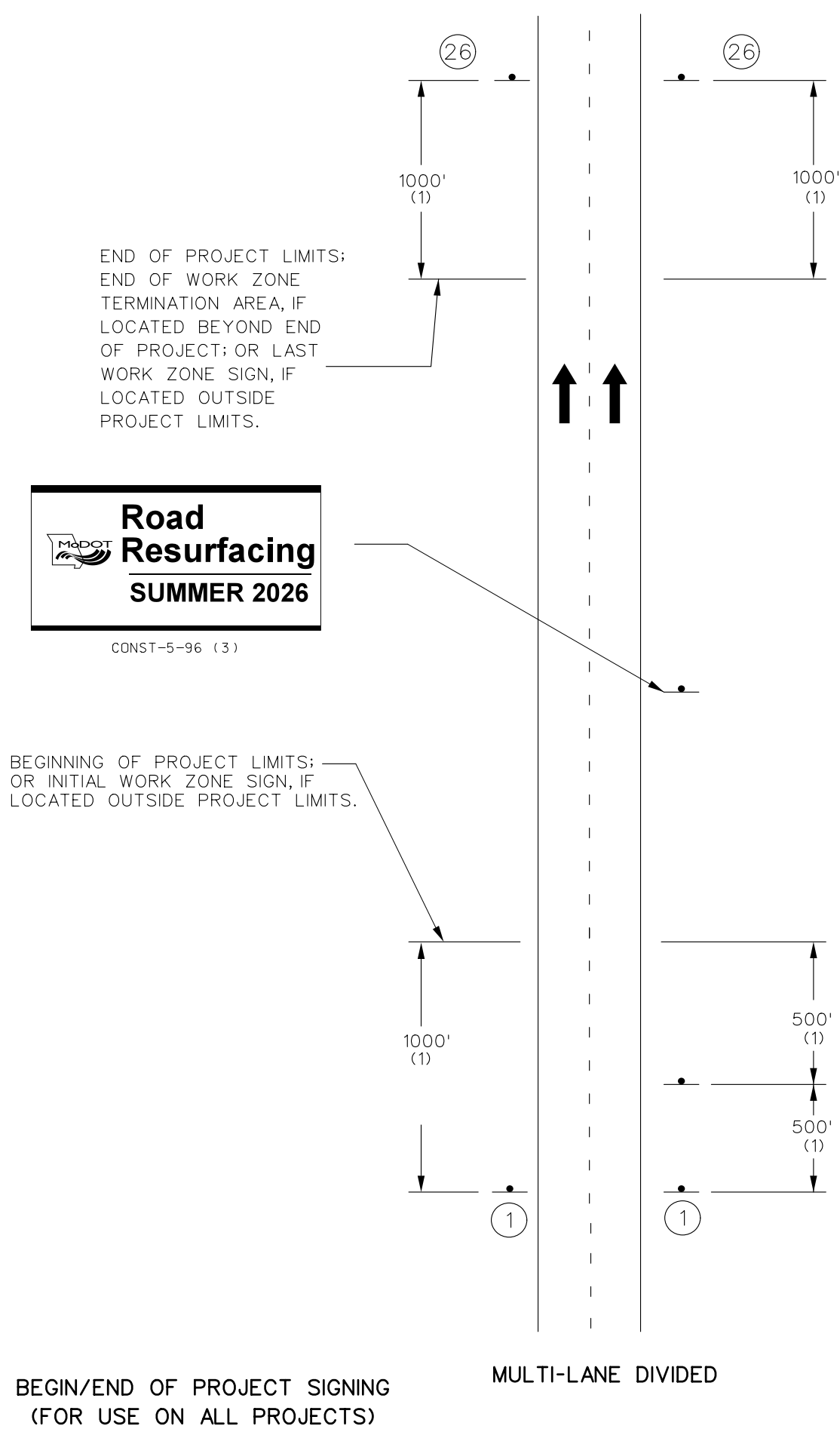
SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
MPH	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
> 40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
						THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

- NOTE:**
- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
  - (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
  - (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
  - (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER





NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

BEGIN/END OF PROJECT SIGNING  
(FOR USE ON ALL PROJECTS)

MULTI-LANE DIVIDED

BEGIN/END  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 2 OF 12



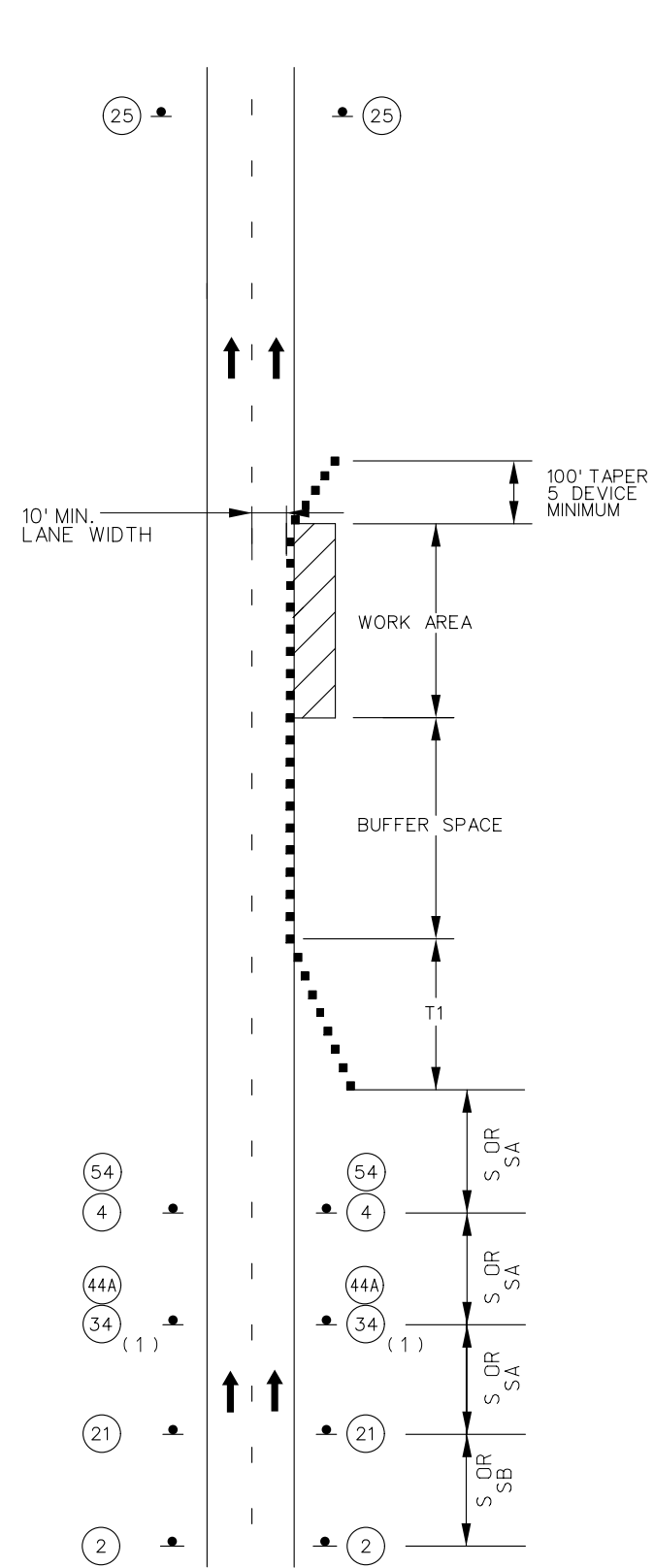
DATE PREPARED  
6/29/2024

ROUTE	STATE
152	MO
DISTRICT	SHEET NO.
KC	11
COUNTY	
CLAY	
JOB NO.	
JKU0052	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

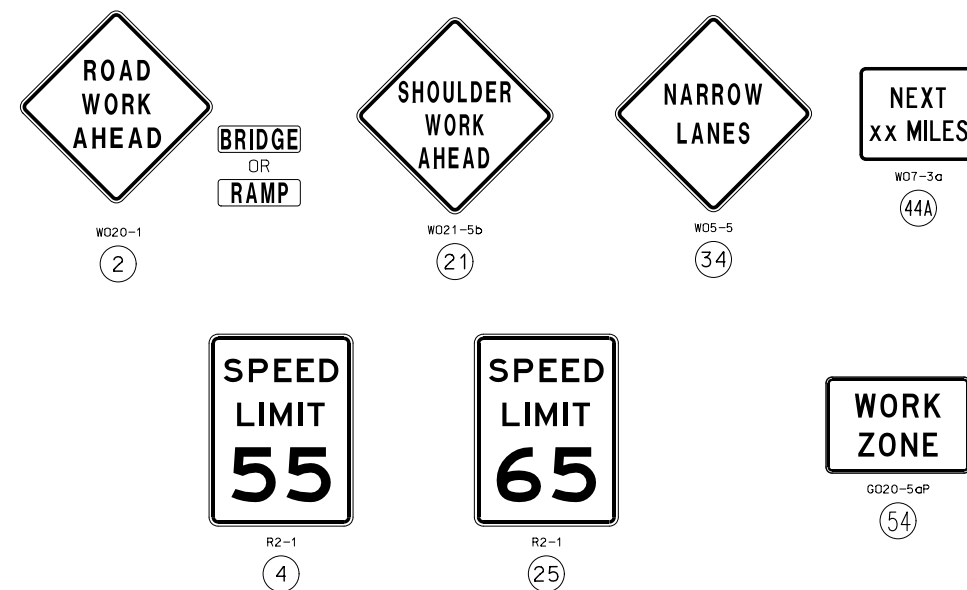
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



MULTI-LANE DIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT



NOTES:

- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.
- THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- (1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

SHOULDER WORK  
MINOR ENCROACHMENT  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 3 OF 12



DATE PREPARED  
6/3/2024

ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 12

COUNTY  
CLAY

JOB NO.  
JKU0052

CONTRACT ID.

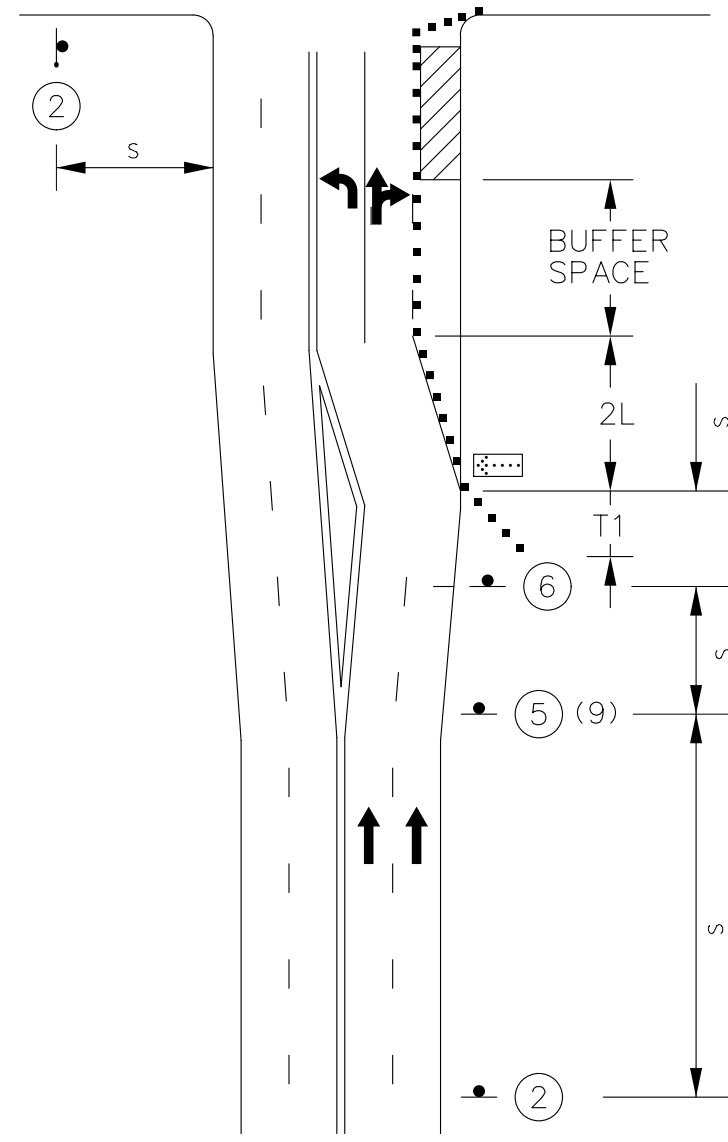
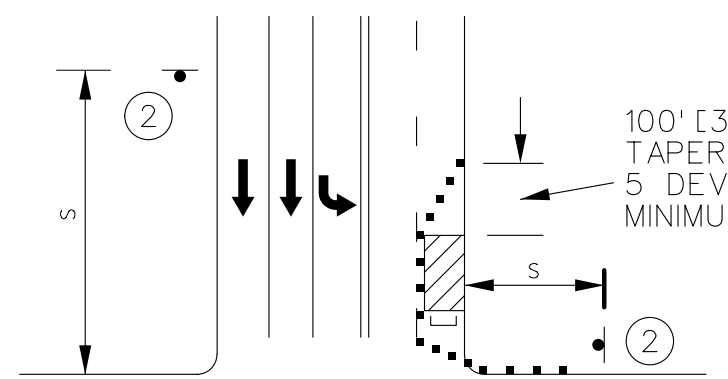
PROJECT NO.

BRIDGE NO.

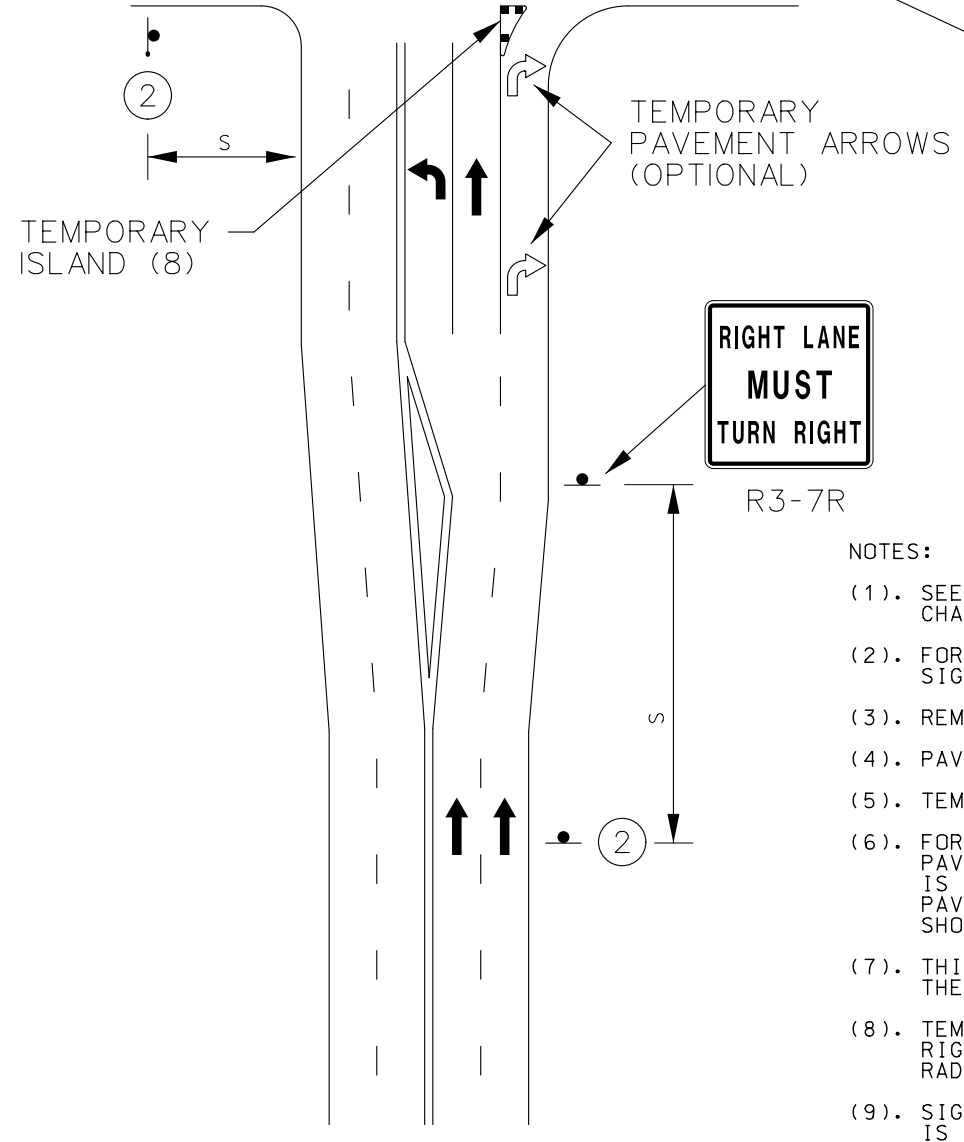
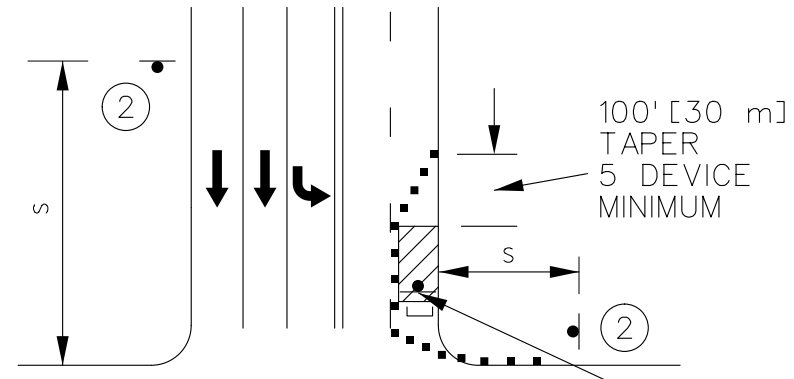
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

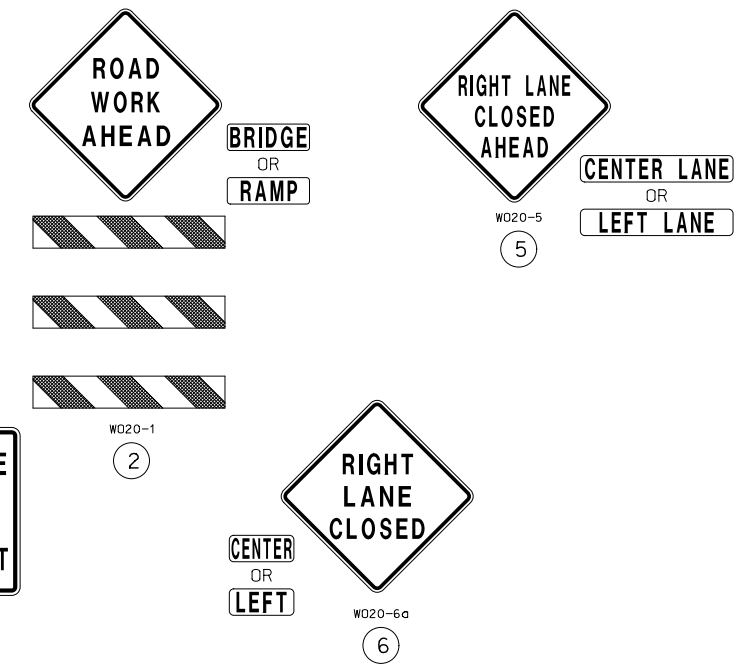


TA-22  
WORK ON NEAR OR FAR SIDE



TA-22A  
WORK ON FAR SIDE ONLY (7)

LANE CLOSURE  
RIGHT LANE CLOSURE AT INTERSECTION



NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (2). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (3). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- (4). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (5). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (6). FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN ON TRAFFIC CONTROL SHEET 1.
- (7). THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME.
- (8). TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.
- (9). SIGN 5 MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

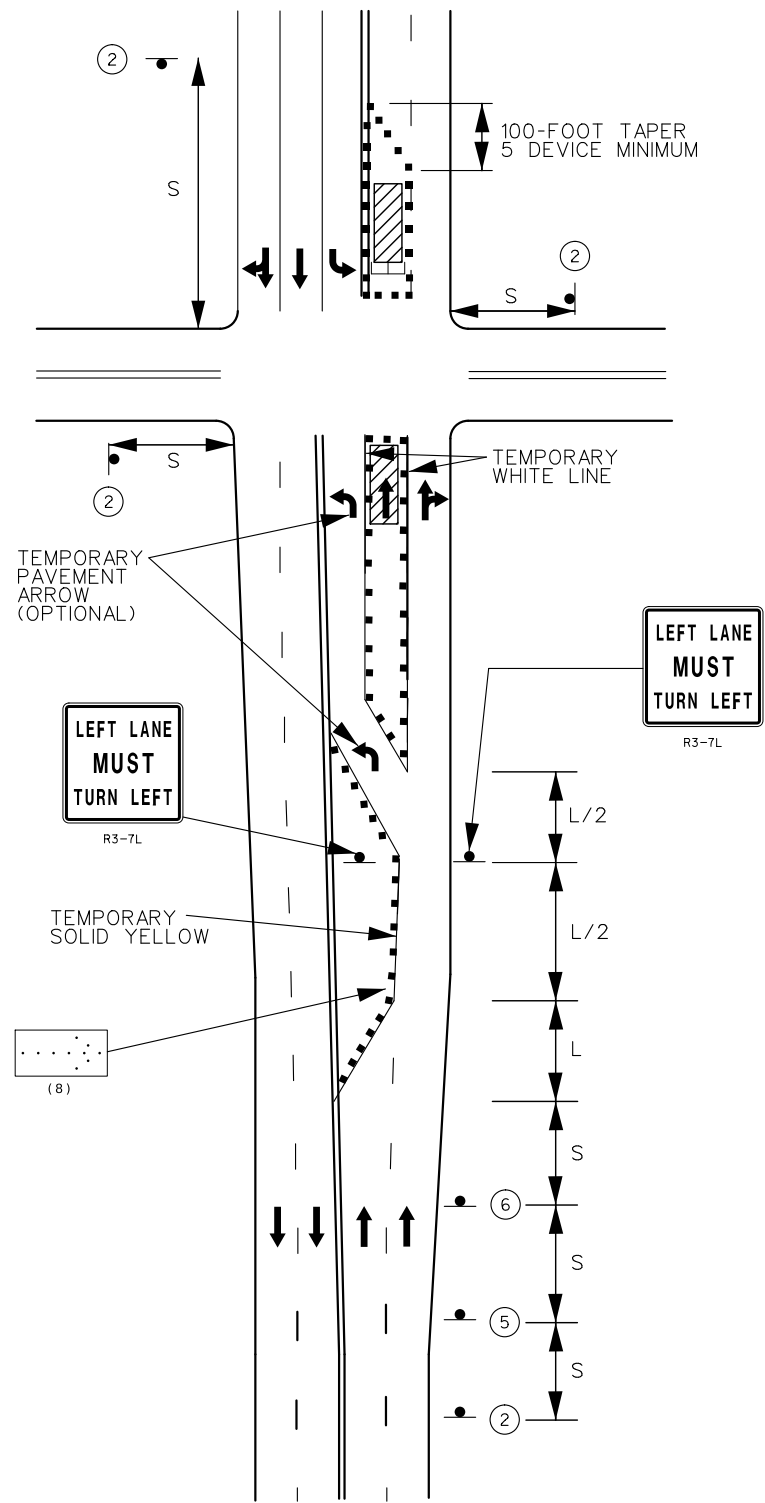


DATE PREPARED	6/3/2024
ROUTE	152
DISTRICT	KC
STATE	MO
SHEET NO.	13
COUNTY	CLAY
JOB NO.	JKU0052
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

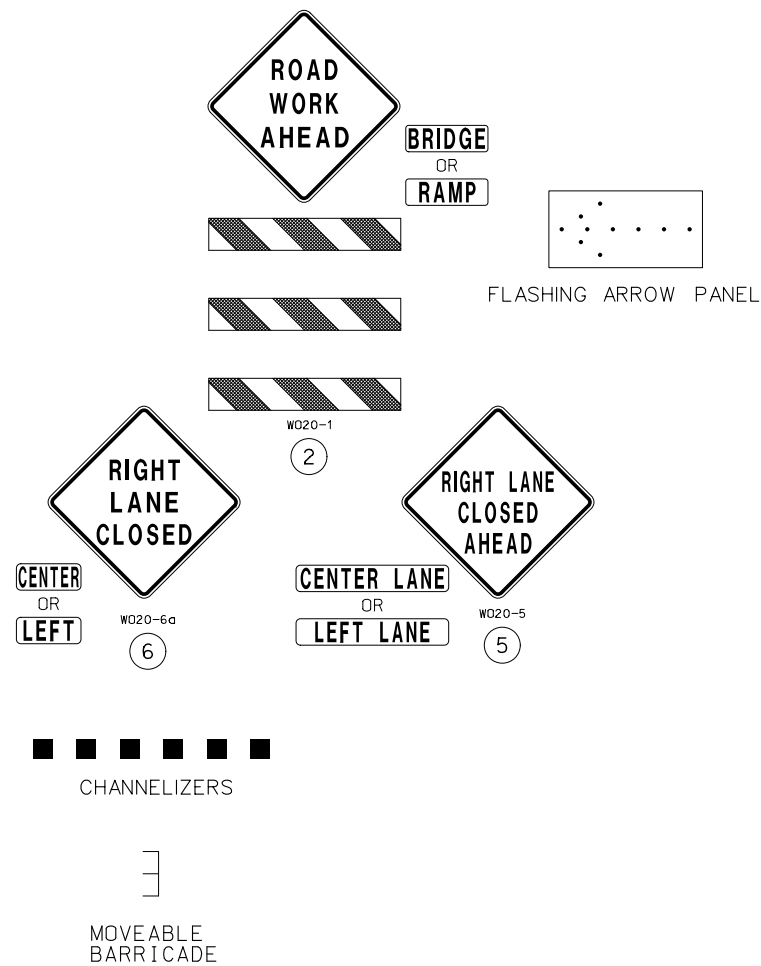
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



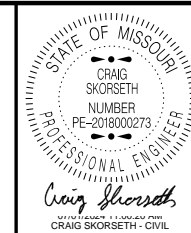
LEFT LANE CLOSURE  
AT INTERSECTION

NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (2). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (3). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.
- (4). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (5). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (6). FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FOOT DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.
- (7). "LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (8). THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOW THIS PLACEMENT.
- (9). SIGN MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICIENT ROOM BETWEEN EASTBOUND AND WESTBOUND LANES.



LEFT LANE CLOSURE  
INTERSECTION  
WORK ON FAR SIDE ONLY  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 5 OF 12

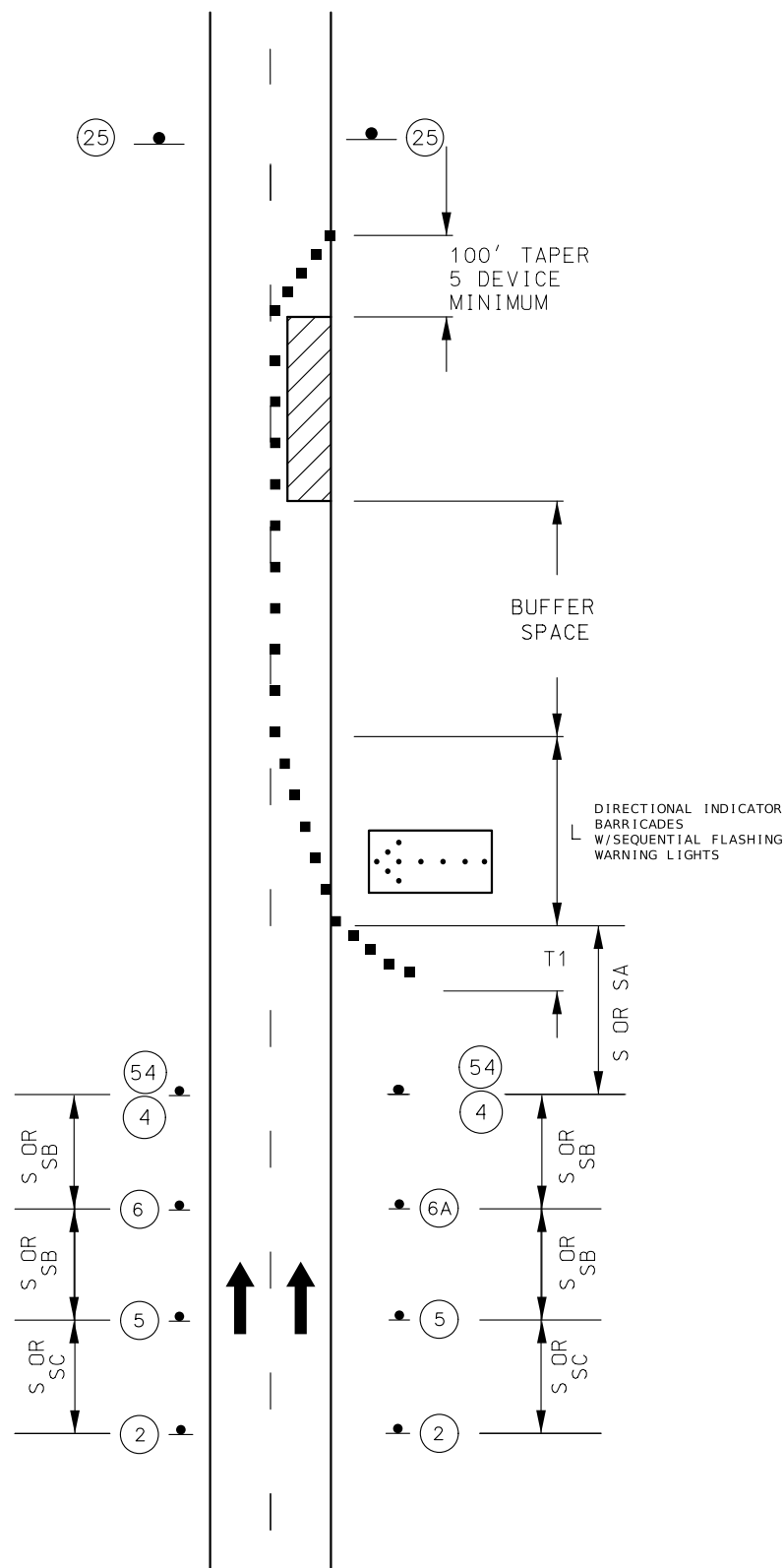


DATE PREPARED  
6/3/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 14  
COUNTY CLAY  
JOB NO. JKU0052  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

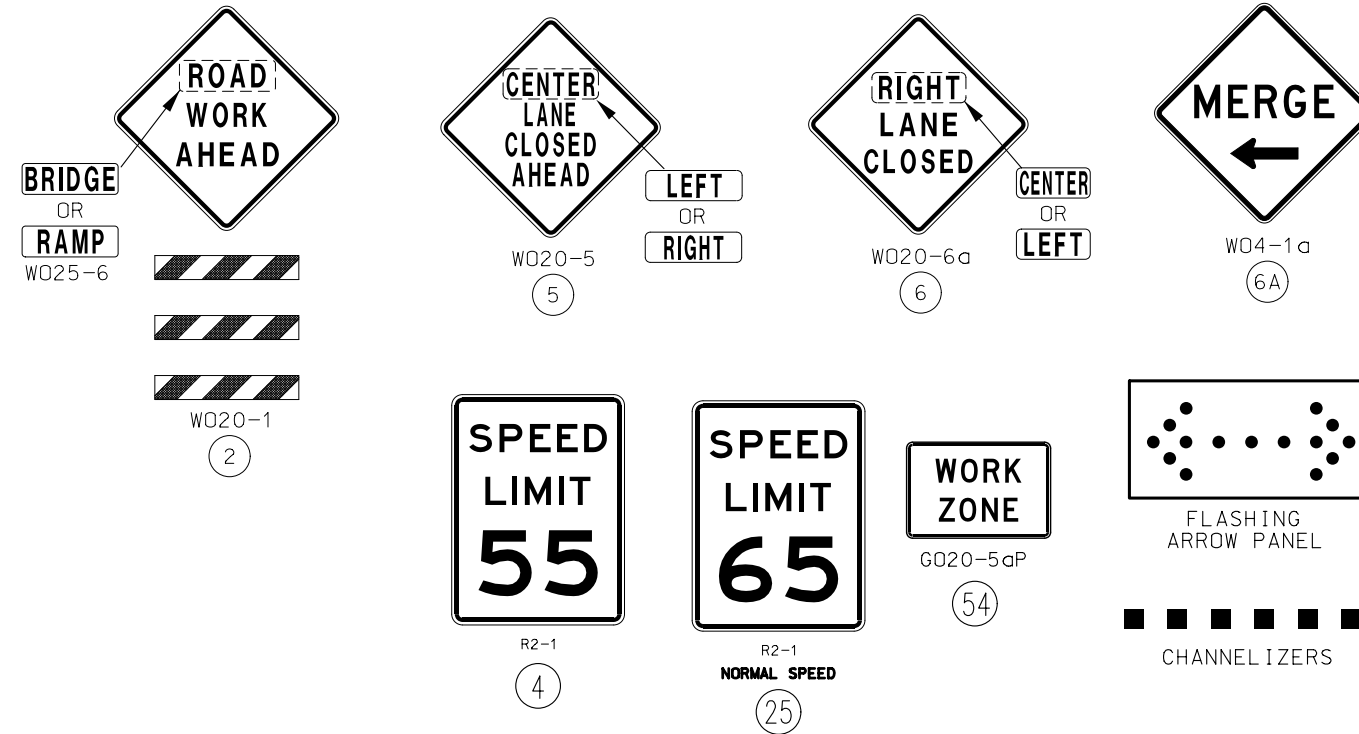
DESCRIPTION	DATE

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





TWO-LANE DIVIDED HIGHWAY



NOTES:

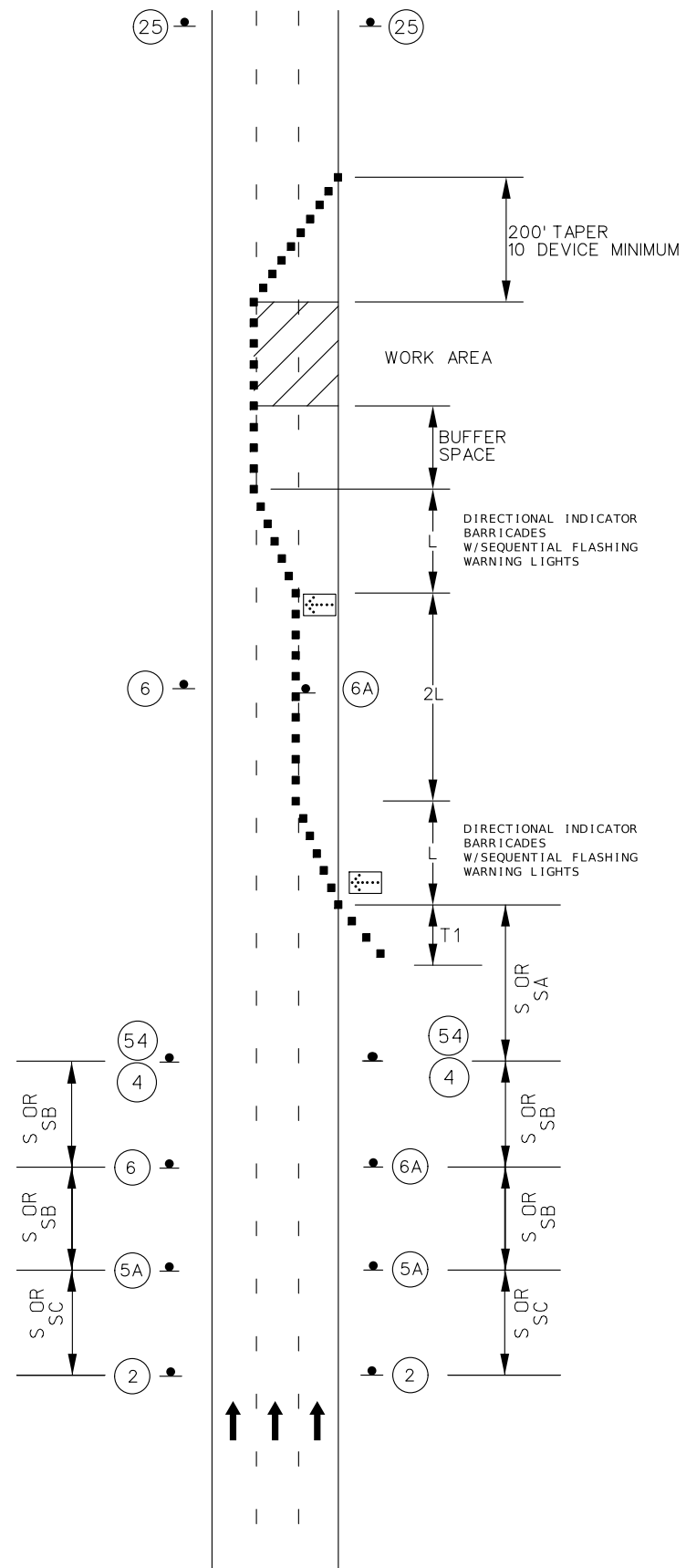
SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

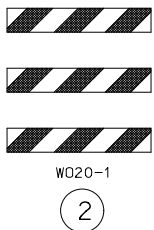
STATE OF MISSOURI  
CRAIG SKORSETH  
NUMBER  
PE-2018000273  
PROFESSIONAL ENGINEER  
*Craig Skorseth*  
DATE PREPARED  
6/3/2024  
ROUTE  
152 STATE  
MO  
DISTRICT  
KC SHEET NO.  
15  
COUNTY  
CLAY  
JOB NO.  
JKU0052  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.  
DESCRIPTION  
DATE  
MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



LANE CLOSURE TWO LANES OF  
MULTI-LANE DIVIDE HIGHWAY



BRIDGE  
OR  
RAMP



W020-5a  
(5A)



W020-6a  
(6)



W04-1a  
(6A)



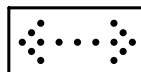
R2-1  
(4)



R2-1  
NORMAL SPEED  
(25)



G020-5aP  
(54)



FLASHING  
ARROW PANEL



CHANNELIZERS

NOTES:

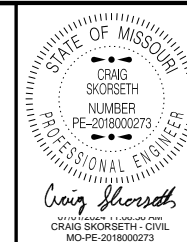
SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.



DATE PREPARED  
6/3/2024

ROUTE  
152  
DISTRICT  
KC

STATE  
MO  
SHEET NO.  
16

COUNTY  
CLAY

JOB NO.  
JKU0052

CONTRACT ID.

PROJECT NO.

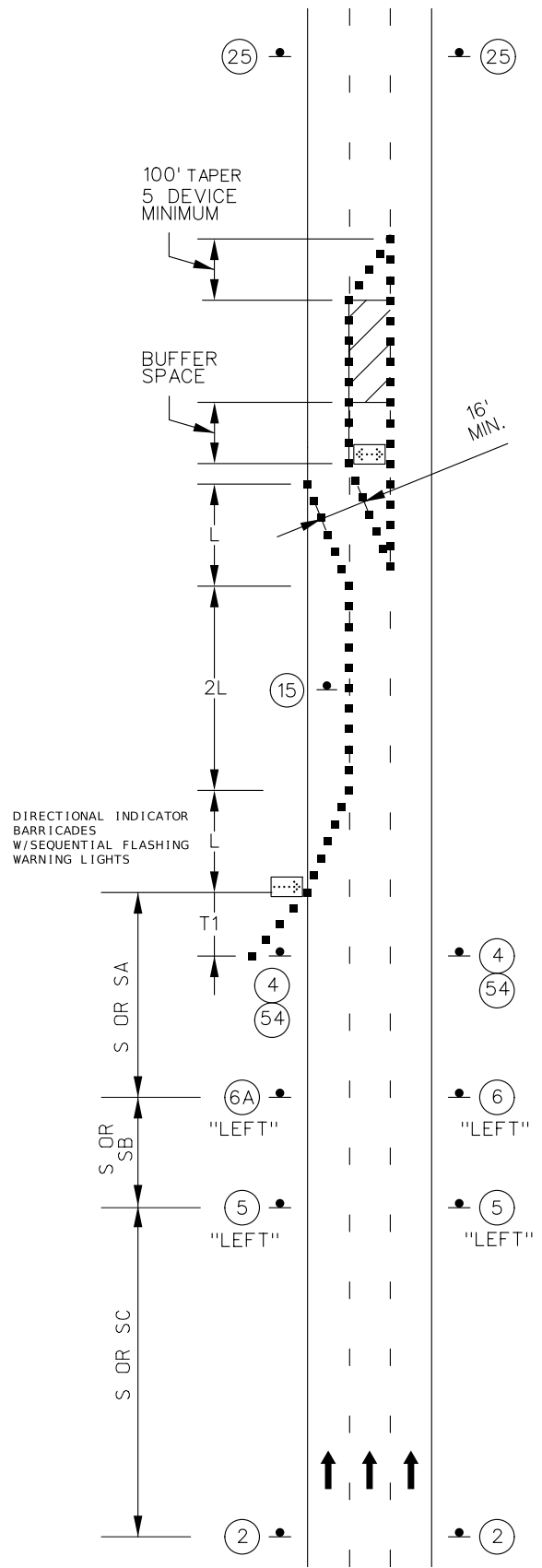
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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



INTERIOR LANE  
 INTERIOR LANE CLOSURES OF  
 MULTI-LANE DIVIDED HIGHWAY

- NOTES:
- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
  - (2). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
  - (3). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
  - (4). ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

INTERIOR LANE  
 CLOSURE ON FREEWAY  
 TEMPORARY  
 TRAFFIC CONTROL  
 SHEET 8 OF 12



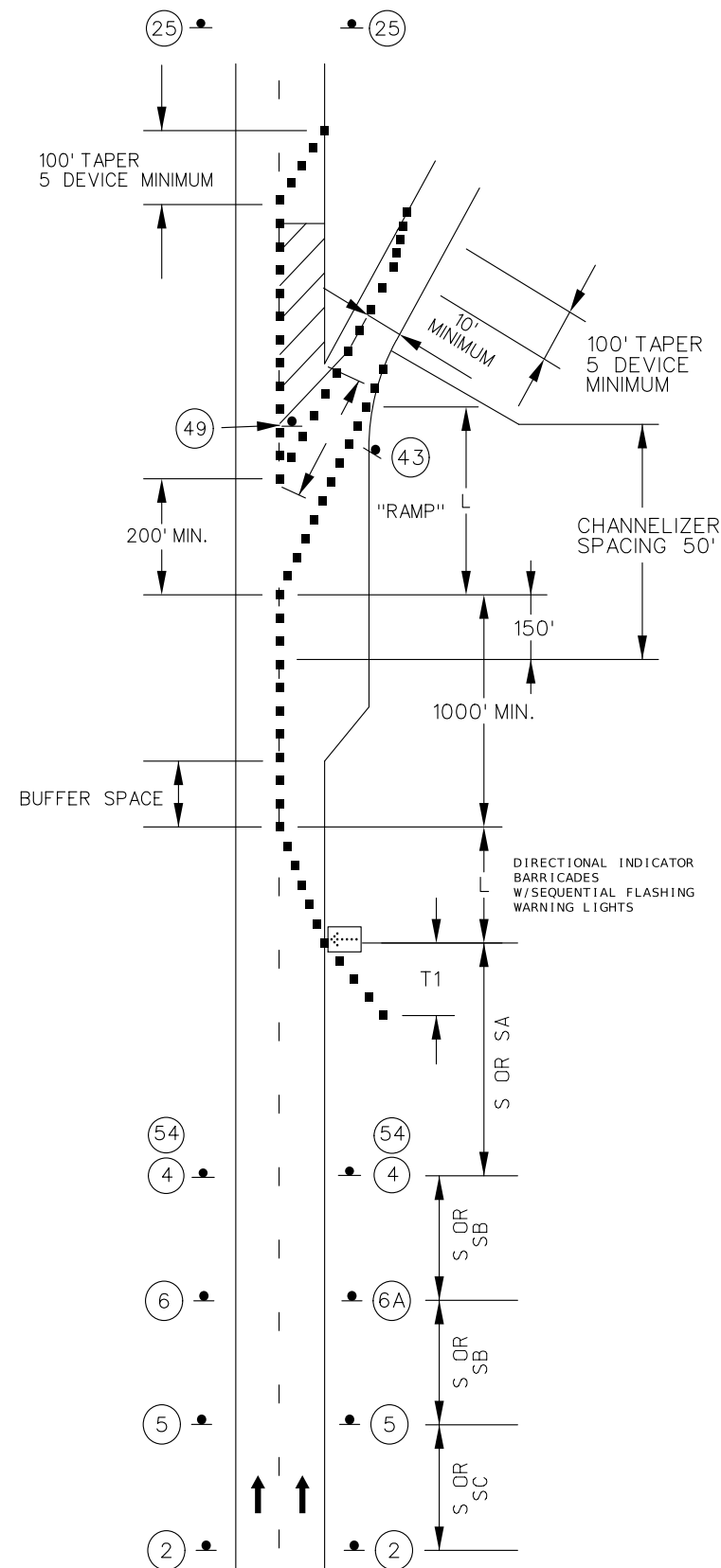
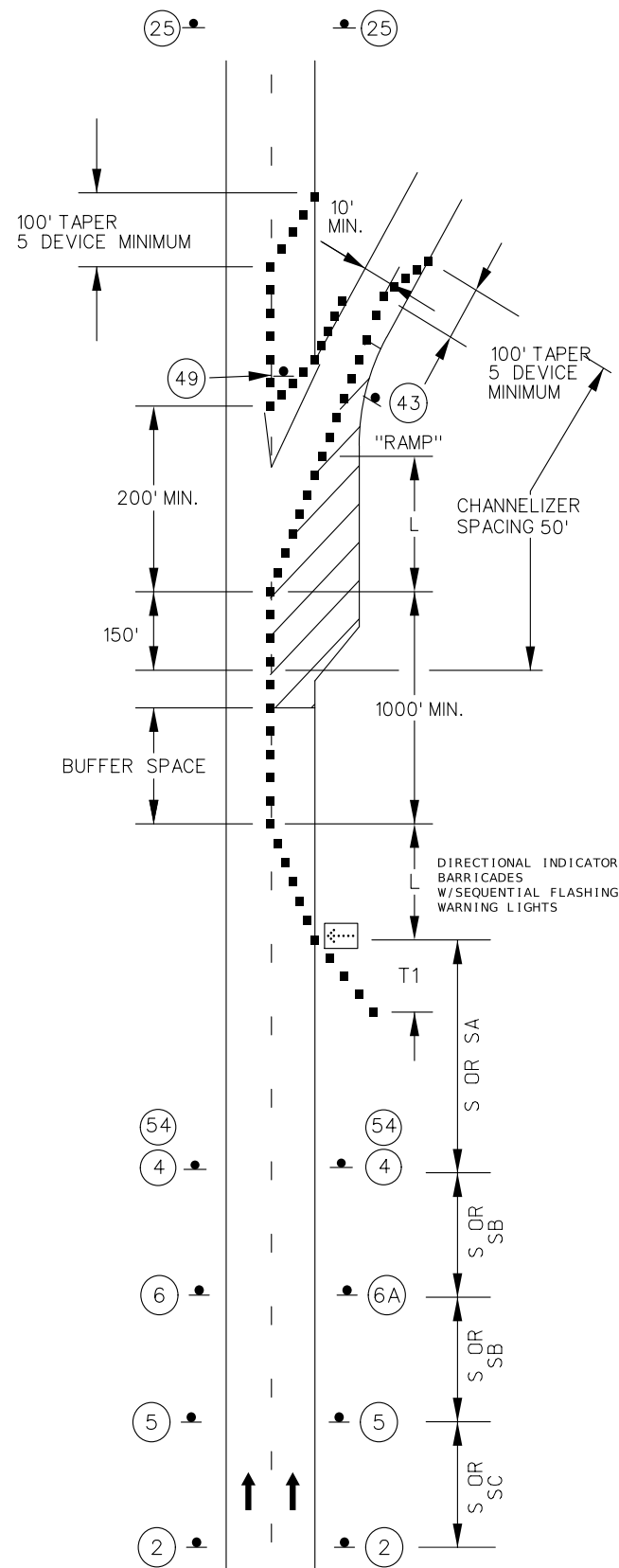
DATE PREPARED: 6/3/2024  
 ROUTE: 152 STATE: MO  
 DISTRICT: KC SHEET NO.: 17  
 COUNTY: CLAY  
 JOB NO.: JKU0052  
 CONTRACT ID:

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)



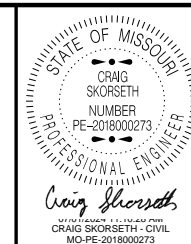
ROAD WORK AHEAD <small>W20-1</small> <b>2</b>	BRIDGE OR RAMP <small>W20-6a</small> <b>6</b>	RIGHT LANE CLOSED <small>W20-5</small> <b>5</b>	CENTER LANE OR LEFT LANE <small>W04-1a</small> <b>6A</b>	MERGE <small>W04-1a</small> <b>6A</b>
ROAD NARROWS <small>W05-1</small> <b>43</b>	BRIDGE OR RAMP <small>W05-1</small> <b>43</b>	EXIT <small>E05-1</small> <b>49</b>	WORK ZONE <small>G020-5aP</small> <b>54</b>	SPEED LIMIT 55 <small>R2-1</small> <b>4</b>
FLASHING ARROW PANEL	CHANNELIZERS <small>R2-1</small> <b>25</b>	SPEED LIMIT 55 <small>R2-1</small> <b>4</b>	SPEED LIMIT 65 <small>R2-1</small> <b>25</b>	

**NOTES:**

- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- SIGN 43 REQUIRED WHEN RAMP WIDTH IS REDUCED.

WORK IN THE VICINITY OF A EXIT RAMP AREAS

WORK IN VICINITY OF EXIT RAMP  
TEMPORARY TRAFFIC CONTROL  
SHEET 9 OF 12

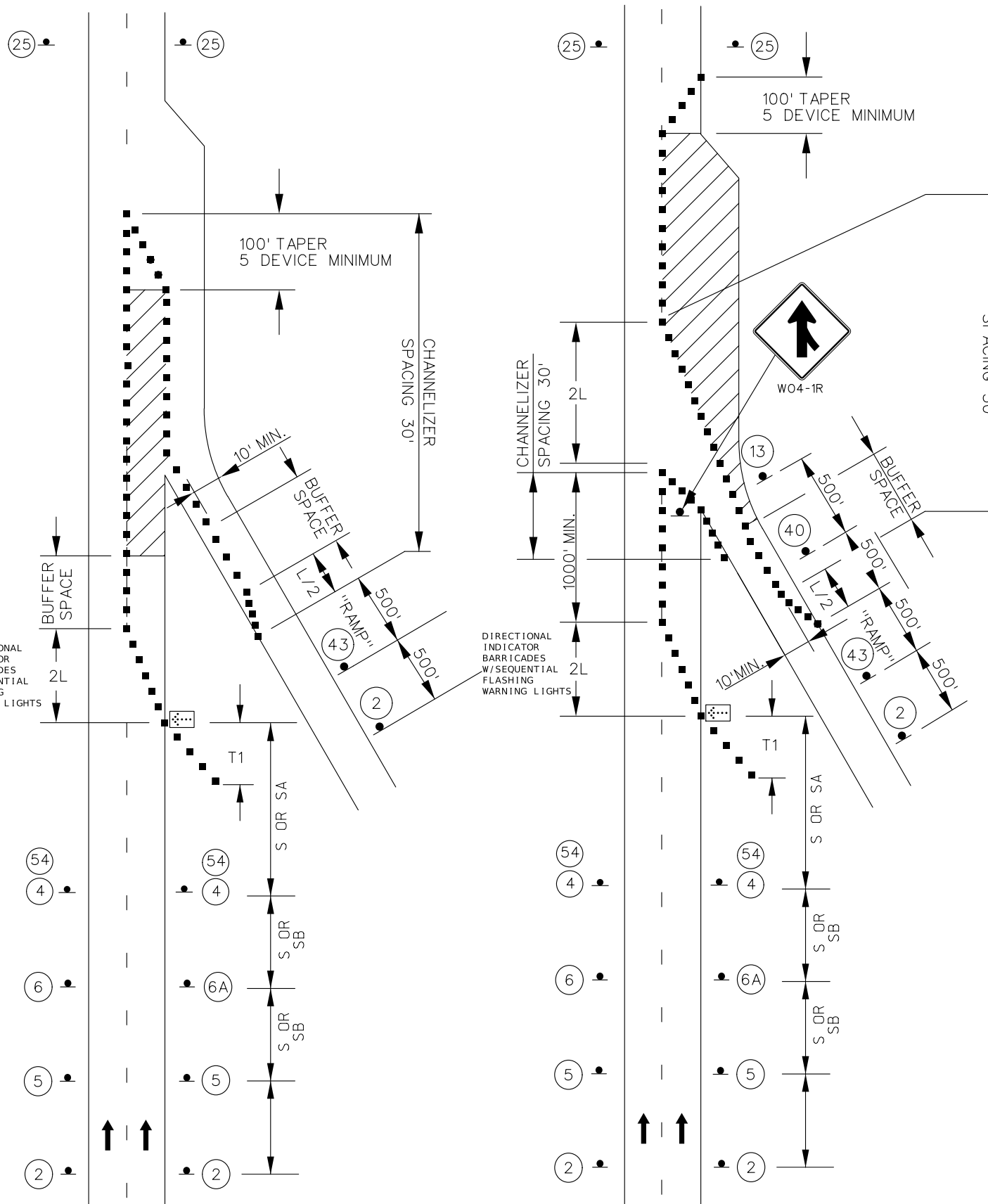


DATE PREPARED: 6/3/2024  
ROUTE: 152  
DISTRICT: KC  
STATE: MO  
SHEET NO.: 18  
COUNTY: CLAY  
JOB NO.: JKU0052  
CONTRACT ID.

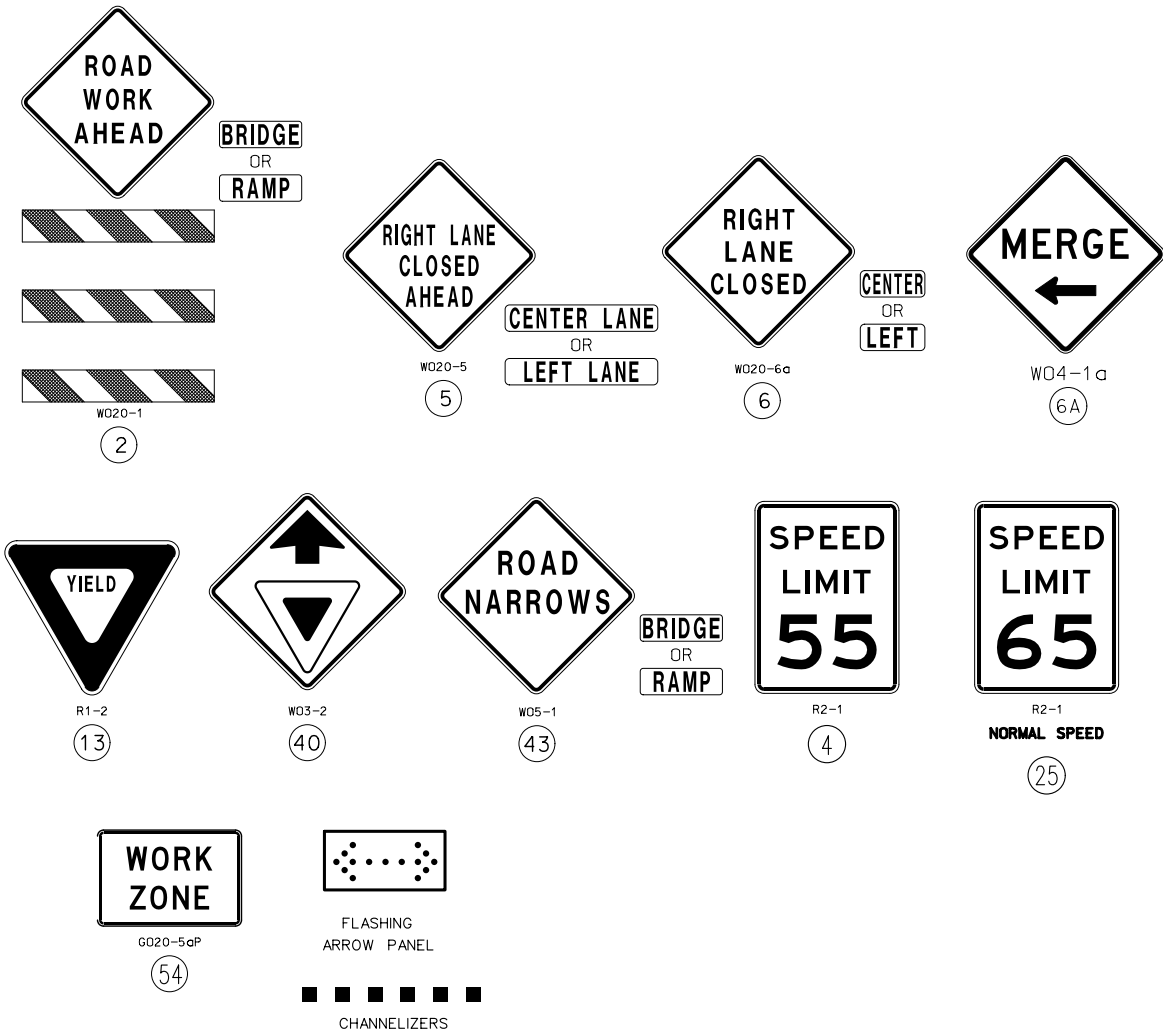
DATE	DESCRIPTION

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





LANE CLOSURE  
ENTRANCE RAMP AREAS



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

THE YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

WORK IN VICINITY  
OF ENTRANCE RAMP  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 10 OF 12



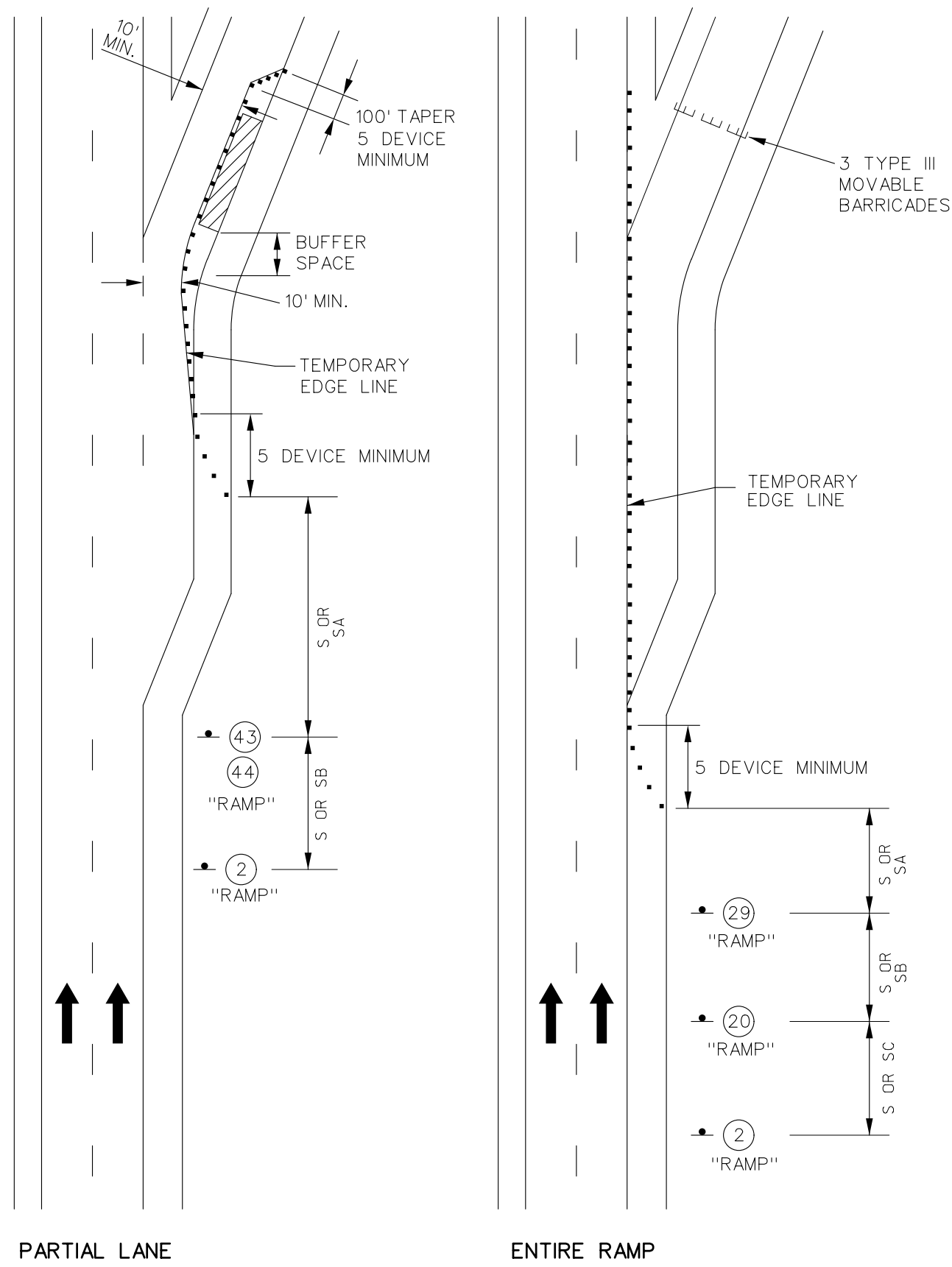
STATE OF MISSOURI  
DATE PREPARED: 6/3/2024  
ROUTE: 152  
STATE: MO  
DISTRICT: KC  
SHEET NO.: 19  
COUNTY: CLAY  
JOB NO.: JKU0052  
CONTRACT ID:

PROJECT NO.:  
BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

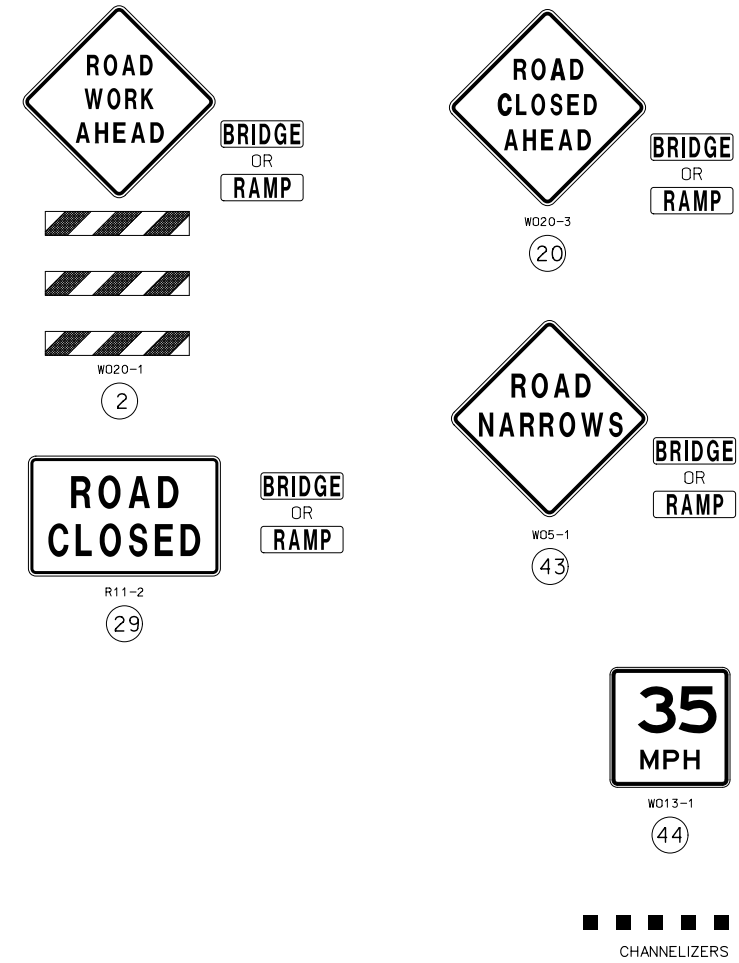
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



PARTIAL LANE

ENTIRE RAMP

LANE CLOSURE  
PARTIAL AND TOTAL RAMP CLOSURE



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

RAMPS MAY BE CLOSED OVER WEEKENDS FROM 7:00 PM FRIDAY TO 6:00 AM MONDAY WITHIN ONE INTERCHANGE AT A TIME WITH THE APPROVAL OF THE ENGINEER.

PARTIAL OR TOTAL  
EXIT RAMP CLOSURE  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 11 OF 12

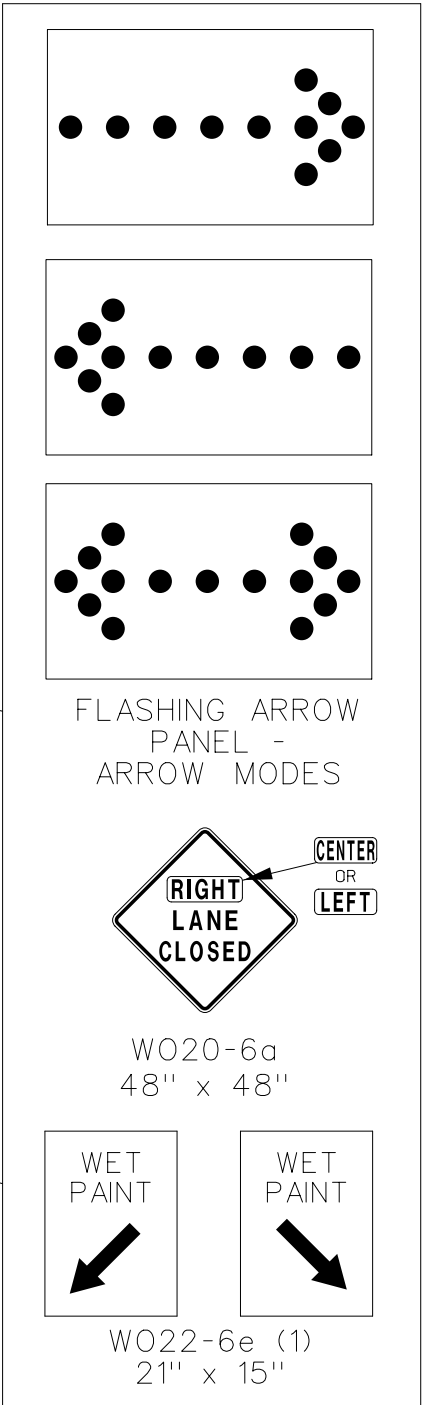
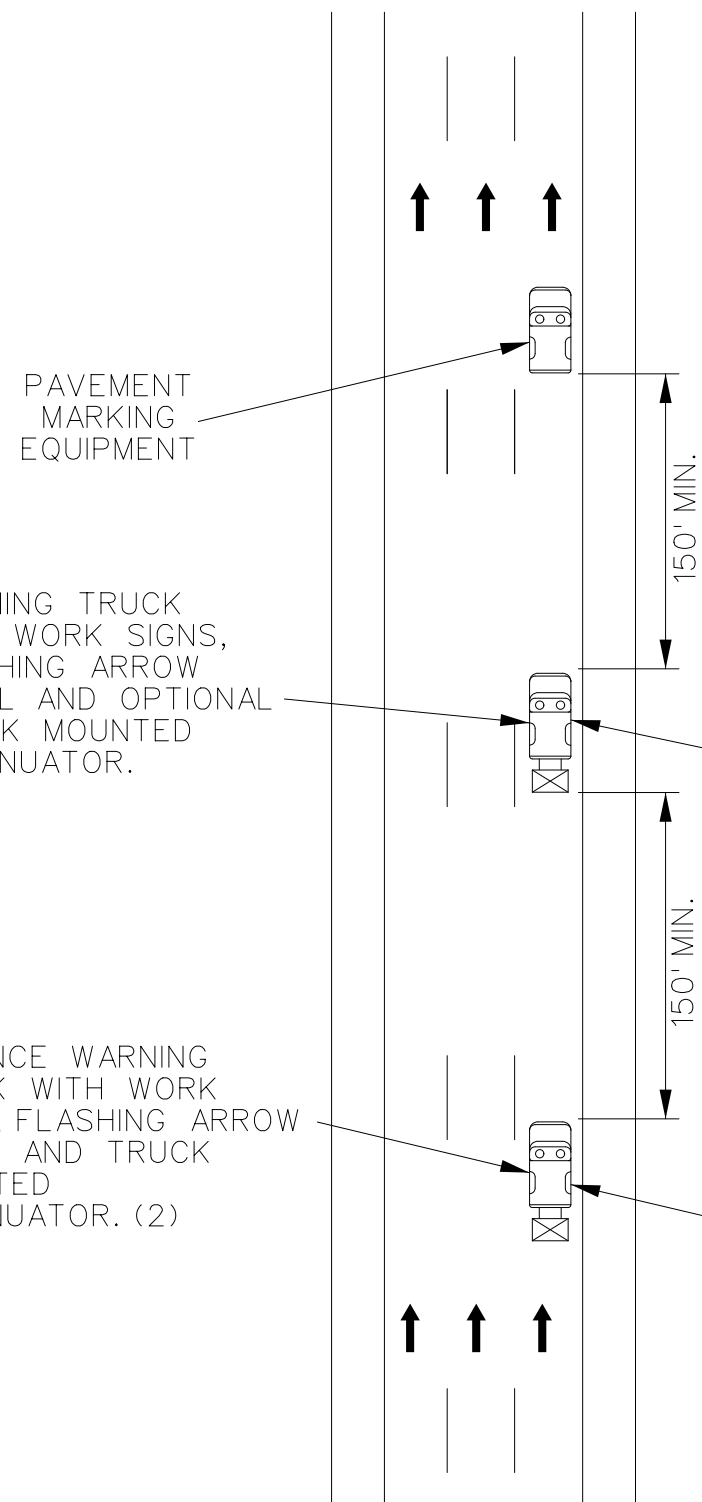


DATE PREPARED  
6/29/2024  
ROUTE 152 STATE MO  
DISTRICT KC SHEET NO. 20  
COUNTY CLAY  
JOB NO. JKU0052  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



**NOTES:**

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

**MOVING OPERATION ON HIGHWAY  
OPEN TO TRAFFIC  
MULTI-LANE DIVIDED HIGHWAY**

DATE PREPARED 6/3/2024	
ROUTE 152	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY CLAY	
JOB NO. JKU0052	
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)	