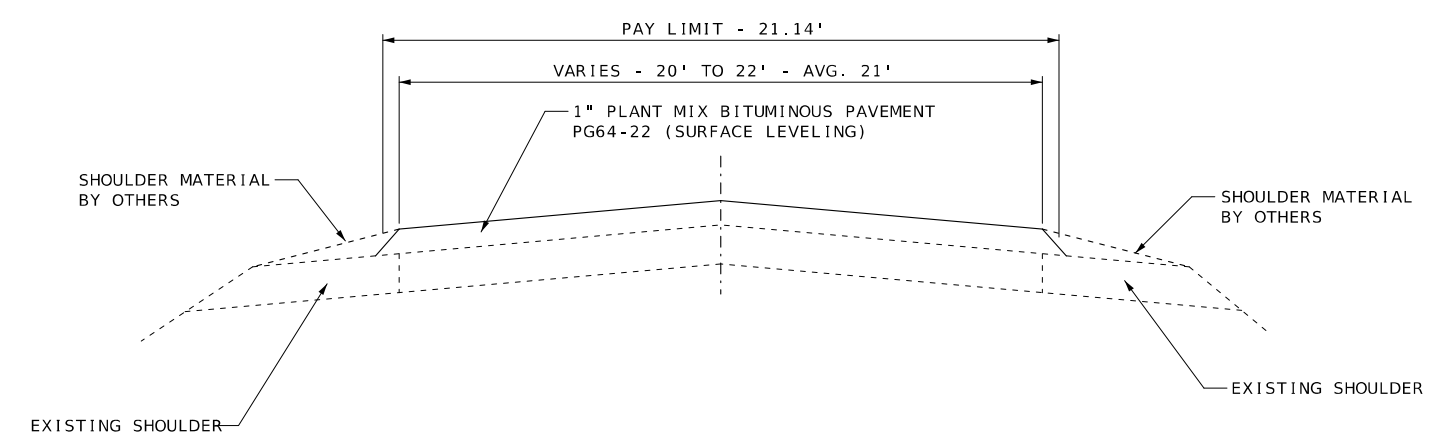




NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

TYPICAL SECTION
ROUTE E - HOWARD COUNTY
LOG MILE 0.000 TO LOG MILE 12.866
EXCEPTION - ROUTE 87 OVERLAP - LOG MILE 3.041 TO LOG MILE 3.265

TYPICAL SECTION
ROUTE V - CHARITON/HOWARD COUNTY
LOG MILE 0.000 TO LOG MILE 8.555
EXCEPTION - BRIDGE A8674 - LOG MILE 2.938 TO LOG MILE 2.959

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.987 YD ³
TACK COAT	.08 GAL/YD ²

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

07/29/2025 6:43:34 AM
GREGORY G. LEARY - CIVIL
MO-PE-026654

DATE PREPARED
7/29/2025

ROUTE
VAR

DISTRICT
CD

STATE
MO

SHEET NO.
2

COUNTY
HOWARD / CHARITON

JOB NO.
JST0152

CONTRACT ID.

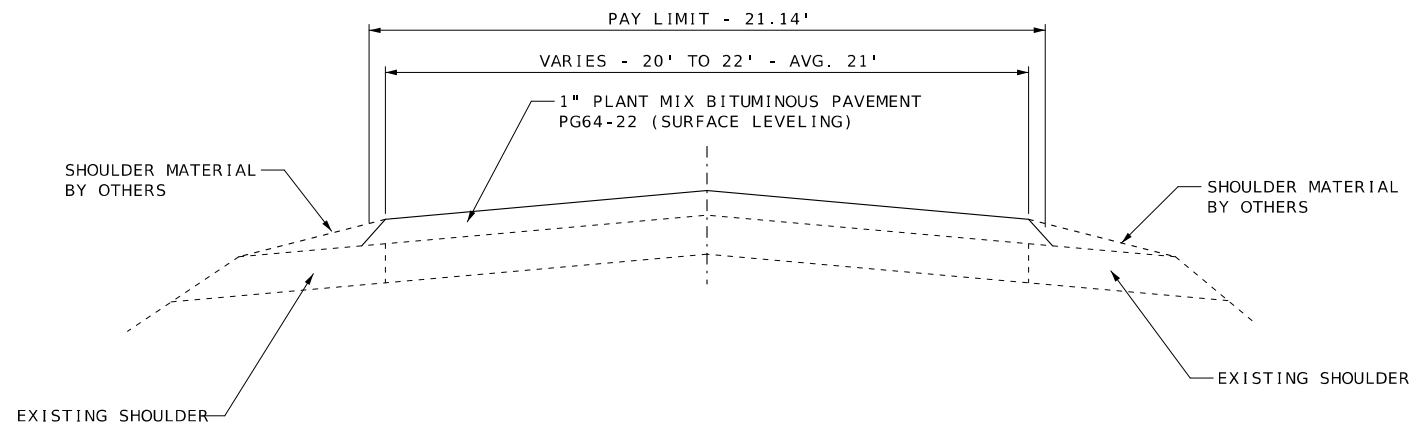
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

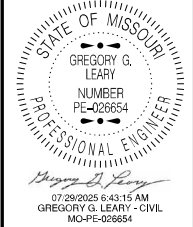
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



TYPICAL SECTION
ALT A - ROUTE SP240 - HOWARD/BOONE COUNTY
LOG MILE 0.000 TO LOG MILE 0.932

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.987 TON/YD ³
TACK COAT	.08 GAL/YD ²

NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

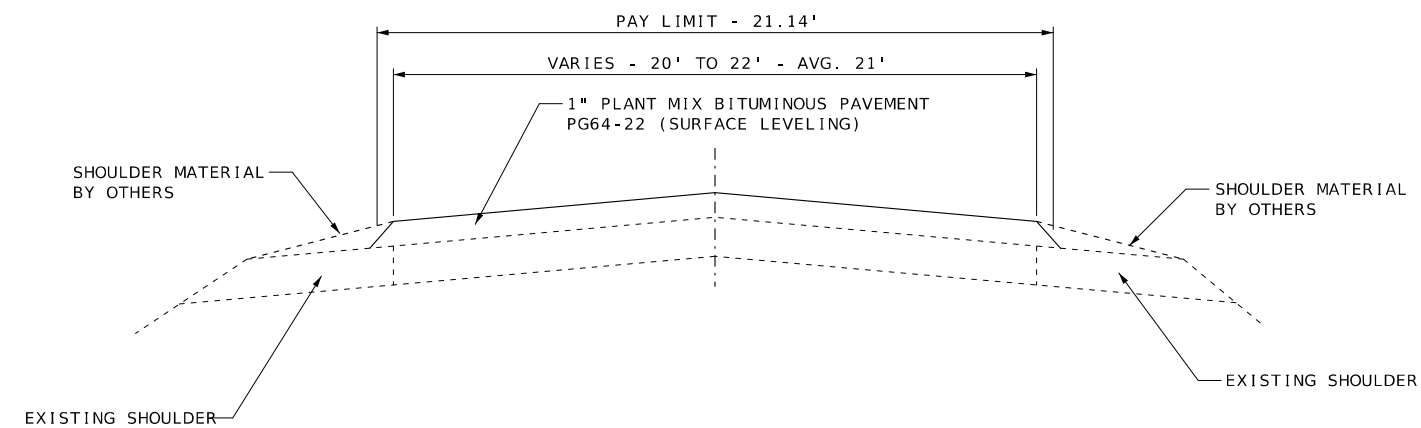


DATE PREPARED 7/29/2025	
ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY HOWARD/CHARITON	
JOB NO. JST0152	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

TYPICAL SECTION
ALT B - ROUTE V - COOPER COUNTY
LOG MILE 0.000 TO LOG MILE 1.804

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.987 TON/YD ³
TACK COAT	.08 GAL/YD ²

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

07/29/2025 6:42:42 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED
7/29/2025

ROUTE
VAR

DISTRICT
CD

STATE
MO

SHEET NO.
2

COUNTY
HOWARD / CHARITON

JOB NO.
JST0152

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)

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING) - ROUTE E & V										
LOG MILE	LOG MILE	LENGTH		WIDTH (FT)	THICKNESS (FT)	(CY)	FACTOR (TONS/CY)	(T)	TACK (GAL)	REMARKS
		(MI)	(FT)							
ROUTE E - HOWARD COUNTY										
0.000	3.029	3.029	15,993	21.14	0.08333	1043.5	1.987	2,073.4	3,005.3	BEGINNING OF ROUTE SME TO ROUTE 87
3.280	12.866	9.586	50,614	21.14	0.08333	3302.3	1.987	6,561.7	9,510.9	ROUTE 87 TO BRIDGE A8317
6.650			1,575		0.08333	4.9	1.987	9.7	14.0	ROUTE HH INTERSECTION
8.130			1,080		0.08333	3.3	1.987	6.6	9.6	ROUTE AA INTERSECTION
			3,260	2	0.08333	20.1	1.987	39.9	58.0	ENTRANCES
							TOTAL	8691.3		
							25% IRREGULARITIES	2172.825		
							TOTAL	10864.125		
							USE	10864.1		
ROUTE V - CHARITON/HOWARD COUNTY										
0.000			1,080		0.08333	3.3	1.987	6.6	9.6	BEGINNING OF ROUTE
0.004	2.938	2.934	15,492	21.14	0.08333	1010.8	1.987	2,008.5	2,911.1	BEGINNING ROUTE TO BRIDGE A8674
2.959	8.550	5.591	29,520	21.14	0.08333	1926.0	1.987	3,827.0	5,547.1	BRIDGE A8674 TO END ROUTE
8.030			30		0.08333	0.1	1.987	0.2	0.3	SNODDY ST INTERSECTION
8.255			30		0.08333	0.1	1.987	0.2	0.3	MARKLAND ST INTERSECTION
8.555			720		0.08333	2.2	1.987	4.4	6.4	END ROUTE
			2,607	2	0.08333	16.1	1.987	32.0	46.3	ENTRANCES
1.000							TOTAL	5846.90		
							25% IRREGULARITIES	1461.73		
							TOTAL	7308.63	21,118.9	
							USE	7308.6	21119	

GRAVEL (A), CRUSHED STONE (B) - ROUTE E & ROUTE V							
APPROX. LOG MILE		LOCATION	LENGTH (FT)	WIDTH (FT)	THICKNESS (IN (AVG.))	GRAVEL , CRUSHED STONE (TON)	REMARKS
FROM	TO						
ROUTE E - HOWARD COUNTY							
0.000			20	21	1.0	16.38	BEGIN RTE.
0.000	12.866	ROUTE E LT. & RT.	2940	2	1.0	555.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE.
					TOTAL	571.38	
					USE	571	
ROUTE V - CHARITON/HOWARD COUNTY							
0.000	5.197	ROUTE V LT. & RT.	2467	2	1.0	405.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE.
					TOTAL	405.00	
					USE	405	

CONSTRUCTION SIGNS - ROUTE E & ROUTE V							ADDITIONAL CONSTRUCTION ITEMS		
SIGN	SIZE (IN)	AREA (SF)	QTY (EACH)	TOTAL AREA (SF)	SIGN NUM.		ITEM NO.	*** QUANTITY	DESCRIPTION
WARNING SIGNS							616-10.25	135	CHANNELIZERS (TRIM-LINE)
WO8-11	48X48	16	44	704	36	UNEVEN LANES	MISC LUMP SUM TEMPORARY TRAFFIC CONTROL - ROUTE E & V		
WO8-12	48X48	16	22	352	35	NO CENTER LINE			
WO20-1	** 48X48	16	8	128	2	ROAD WORK AHEAD			
WO20-4	48X48	16	8	128	7	ONE LANE ROAD AHEAD			
WO20-7a	48X48	16	8	128	8	FLAGGER (SYMBOL)			
GO22-1	21X15	2.19	4	8.76		WET PAINT (ARROW PIVOTS)	616-99.01	LUMP SUM	MISC LUMP SUM TEMPORARY TRAFFIC CONTROL
GUIDE SIGNS									
GO20-1	* 60X24	10	4	40	1	ROAD WORK NEXT XX MILES 2@13, 2@9			
GO20-2	48X24	8	4	32	26	END ROAD WORK			
GO20-4	36X18	4.5	1	4.5	53	PILOT CAR FOLLOW ME			
GO20-4a	42X30	8.75	4	35	58	PILOT CAR IN USE WAIT & FOLLOW			
GO20-4a	18X12	1.5	24	36	58	PILOT CAR IN USE WAIT & FOLLOW			
MISCELLANEOUS SIGNS									
CONST-8	48X36	12	4	48	59	WORK ZONE NO PHONE ZONE			
616.10.05									
CONSTRUCTION SIGNS TOTAL			***	1645					

MOBILIZATION
1 LUMP SUM

- * IF LESS THAN TWO (2) MILES, DELETE SIGN G020-1.
- ** ADDITIONAL SIGN W020-1 USED AS SHOWN ON TRAFFIC CONTROL SHEET 3 OF 5 AND AS DIRECTED BY THE ENGINEER.
- *** QUANTITIES FOR INFORMATIONAL PURPOSES ONLY. INCLUDED IN MISC LUMP SUM TEMPORARY TRAFFIC CONTROL.

NOTE:

REFER TO STANDARD PLANS 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

SUMMARY OF QUANTITIES
ROUTE E & ROUTE V
SHEET 1 OF 4

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER

PE-026654

PROFESSIONAL ENGINEER

Gregory G. Leary

07/29/2025 6:42:21 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED

7/29/2025

ROUTE

VAR

DISTRICT

CD

STATE

MO

SHEET NO.

3

COUNTY

HOWARD / CHARITON

JOB NO.

JST0152

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

PAVEMENT MARKING - ROUTE E & ROUTE V						
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS)		REMARKS
				4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	
ROUTE E - HOWARD COUNTY						
0.000	1.349	ROUTE E	7,123	14,246		
1.349	1.449	ROUTE E	528	528	132	
1.449	3.029	ROUTE E	8,342	16,684		
3.281	7.580	ROUTE E	22,699	45,398		
7.580	7.739	ROUTE E	840	840	210	
7.739	7.760	ROUTE E	111	222		
7.760	7.879	ROUTE E	628	628	157	
7.879	11.015	ROUTE E	16,558	33,116		
11.015	11.136	ROUTE E	639	639	160	
11.136	11.155	ROUTE E	100	200		
11.155	11.275	ROUTE E	634	634	159	
11.275	12.836	ROUTE E	8,242	16,484		
ROUTE V - CHARITON/HOWARD COUNTY						
0.000	2.799	ROUTE V	14,779	29,558		
2.799	2.920	ROUTE V	639	639	160	
2.920	3.060	ROUTE V	739		185	
3.060	3.201	ROUTE V	744	744	186	
3.201	3.221	ROUTE V	106	212		
3.221	3.340	ROUTE V	628	628	157	
3.340	4.020	ROUTE V	3,590	7,180		
4.020	4.198	ROUTE V	940	940	235	
4.198	4.460	ROUTE V	1,383	2,766		
4.460	4.561	ROUTE V	533	533	133	
4.561	4.700	ROUTE V	734		184	
4.700	4.799	ROUTE V	523	523	131	
4.799	4.979	ROUTE V	950	1,900		
4.979	5.178	ROUTE V	1,051	1,051	263	
5.178	5.518	ROUTE V	1,795		449	
5.518	5.637	ROUTE V	628	628	157	
5.637	6.377	ROUTE V	3,907	7,814		
6.377	6.517	ROUTE V	739	739	185	
6.517	6.657	ROUTE V	739		185	
6.657	6.835	ROUTE V	940	940	235	
6.835	6.855	ROUTE V	106	212		
6.855	6.995	ROUTE V	739	739	185	
6.995	7.056	ROUTE V	322	644		
7.056	7.236	ROUTE V	950	950	238	
7.236	7.255	ROUTE V	100	200		
7.255	7.535	ROUTE V	1,478	1,478	370	
7.535	7.957	ROUTE V	2,228	4,456		
7.957	8.016	ROUTE V	312	312	78	
8.016	8.096	ROUTE V	422	844		
8.096	8.136	ROUTE V	211	211	53	
8.136	8.236	ROUTE V	528	1,056		
8.236	8.296	ROUTE V	317	317	79	
8.296	8.456	ROUTE V	845		211	
8.456	8.536	ROUTE V	422	422	106	
8.536	8.550	ROUTE V	74	148		
			TOTAL	198403	4983	
			USE	203386		

COLDMILLING BITUMINOUS PAVEMENT FOR SURFACE REMOVAL (3 IN. THICK OR LESS) - ROUTE V					
LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	MOD COLDMILL (SY)	REMARKS
ROUTE V - CHARITON/HOWARD COUNTY					
8.485	8.495	50	21	116.7	EVANS ST
			TOTAL	116.7	
			USE	117	

MODIFIED COLDMILLING (DEPTH TRANSITIONS) - ROUTE E & ROUTE V					
LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	MOD COLDMILL (SY)	REMARKS
ROUTE E - HOWARD COUNTY					
3.029		25	21	58.3	AT 87 INTERSECTION
3.280		25	21	58.3	AT 87 INTERSECTION
12.866		25	21	58.3	BRIDGE A8317
ROUTE V - CHARITON/HOWARD COUNTY					
0.000		25	VAR	120.0	BEGIN ROUTE
2.938		25	21	58.3	BRIDGE A8674
2.959		25	21	58.3	BRIDGE A8674
8.255					MARKLAND ST
8.480	8.485	25	21	58.3	EVANS ST
8.495	8.500	25	21	58.3	EVANS ST
8.555		25	VAR	80.0	END ROUTE
			TOTAL	608.1	
			USE	608	

REPLACEMENT OF DAMAGED PAVEMENT - ROUTE E & V				
LOG MILE	LOG MILE	LENGTH (MI)	REPLACEMENT OF DAMAGED PVMT (T)	REMARKS
ROUTE E - HOWARD COUNTY				
0.000	3.029	3.029	181.7	BEGINNING OF ROUTE SME TO ROUTE 87
3.280	12.866	9.586	575.2	ROUTE 87 TO BRIDGE A8317
		TOTAL	756.9	
		USE	756.9	
ROUTE V - CHARITON/HOWARD COUNTY				
0.000	2.938	2.938	176.3	BEGINNING ROUTE TO BRIDGE A8674
2.959	8.550	5.591	335.5	BRIDGE A8674 TO END ROUTE
		TOTAL	511.8	
		USE	511.8	

REMOVAL OF DAMAGED PAVEMENT - ROUTE E & V				
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PVMT (SY)	REMARKS
ROUTE E - HOWARD COUNTY				
0.000	3.029	3.029	727.0	BEGINNING OF ROUTE SME TO ROUTE 87
3.280	12.866	9.586	2,300.6	ROUTE 87 TO BRIDGE A8317
		TOTAL	3,027.6	
		USE	3027.6	
ROUTE V - CHARITON/HOWARD COUNTY				
0.000	2.938	2.938	705.1	BEGINNING ROUTE TO BRIDGE A8674
2.959	8.550	5.591	1,341.8	BRIDGE A8674 TO END ROUTE
		TOTAL	2,046.9	
		USE	2046.9	

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

07/29/2025 6:42:03 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED

7/29/2025

ROUTE

VAR

DISTRICT

CD

STATE

MO

SHEET NO.

3

COUNTY

HOWARD/CHARITON

JOB NO.

JST0152

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING) - SP240 ALT A										
LOG MILE	LOG MILE	LENGTH		WIDTH (FT)	THICKNESS (FT)	(CY)	FACTOR (TONS/CY)	(T)	TACK (GAL)	REMARKS
		(MI)	(FT)							
ROUTE SP240 - ALT A - HOWARD/BOONE COUNTY										
0.000			1,575		0.08333	4.9	1.987	9.7	14.0	BEGINNING OF ROUTE
0.004	0.932	0.928	4,900	21.14	0.08333	319.7	1.987	635.2	920.8	BEGINNING OF ROUTE TO BRIDGE A8911
							SUBTOTAL	644.9		
							25% IRREGULARITIES	161.225		
							TOTAL	806.13	934.8	
							USE	806.1	935	

PAVEMENT MARKING - SP240 ALT A								
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS)			PREFORMED THERMO INTER MARKING	REMARKS
				4" SOLID WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	12" WHITE (FT)	
ROUTE SP240 - HOWARD/BOONE COUNTY								
0.000	1.029	ROUTE SP240 LT & RT	5,433	10866				
0.015		ROUTE SP240					12	STOP BAR
0.015	1.029	ROUTE SP240	5,354		10,708			
			TOTAL	10866	10708	0	12	
			USE	10866	10708		12	

GRAVEL (A), CRUSHED STONE (B) - SP240 ALT A							
APPROX. LOG MILE		LOCATION	LENGTH (FT)	WIDTH (FT)	THICKNESS (IN (AVG.))	GRAVEL , CRUSHED STONE (TON)	REMARKS
FROM	TO						
ROUTE SP240 - HOWARD/BOONE COUNTY							
0.000	0.959	ROUTE E LT. & RT.	175	2	1.0	30.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE
					TOTAL	30.00	
					USE	30	

CONSTRUCTION SIGNS - S9240 - ALT A						
SIGN	SIZE (IN)	AREA (SF)	QTY (EACH)	TOTAL AREA (SF)	SIGN NUM.	
WARNING SIGNS						DESCRIPTION
W08-11	48X48	16	4	64	36	UNEVEN LANES
W08-12	48X48	16	2	32	35	NO CENTER LINE
W020-1	**48X48	16	4	64	2	ROAD WORK AHEAD
W020-4	48X48	16	4	64	7	ONE LANE ROAD AHEAD
W020-7a	48X48	16	4	64	8	FLAGGER (SYMBOL)
G022-1	21X15	2.19	2	4.38		WET PAINT (ARROW PIVOTS)
GUIDE SIGNS						
G020-1	* 60X24	10	0		1	ROAD WORK NEXT XX MILES
G020-2	48X24	8	0		26	END ROAD WORK
G020-4	36X18	4.5	1	4.5	53	PILOT CAR FOLLOW ME
G020-4a	42X30	8.75	4	35	58	PILOT CAR IN USE WAIT & FOLLOW
G020-4a	18X12	1.5	12	18	58	PILOT CAR IN USE WAIT & FOLLOW
MISCELLANEOUS SIGNS						
CONST-8	48X36	12	2	24	59	WORK ZONE NO PHONE ZONE
616.10.05 CONSTRUCTION SIGNS TOTAL				***	374	

ADDITIONAL CONSTRUCTION ITEMS - SP240 - ALT A		
ITEM NO.	*** QUANTITY	DESCRIPTION
616-10.25	45	CHANNELIZERS (TRIM-LINE)

MISC LUMP SUM TEMPORARY TRAFFIC CONTROL - SP240 - ALT A

ITEM NO.	QUANTITY	DESCRIPTION
616-99.01	LUMP SUM	MISC LUMP SUM TEMPORARY TRAFFIC CONTROL

NOTE:

REFER TO STANDARD PLANS 616.10 AND 903.03
FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

MODIFIED COLDMILLING (DEPTH TRANSITIONS) - SP240 ALT A					
LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	MOD COLDMILL (SY)	REMARKS
ROUTE SP240 - ALT A - HOWARD/BOONE COUNTY					
0.000		25	VAR	175.0	BEGIN ROUTE SP240
0.959		25	21	58.3	BRIDGE A8911
			TOTAL	233.3	
			USE	233	

REPLACEMENT OF DAMAGED PAVEMENT - SP240 ALT A				
LOG MILE	LOG MILE	LENGTH (MI)	REPLACEMENT OF DAMAGED PVMT (T)	REMARKS
ROUTE SP240 - ALT A - HOWARD/BOONE COUNTY				
0.000	0.932	0.932	55.9	BEGINNING OF ROUTE TO BRIDGE A8911
		TOTAL	55.9	
		USE	55.9	

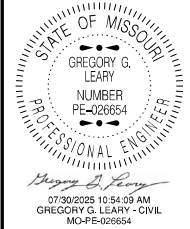
REMOVAL OF DAMAGED PAVEMENT - SP240 ALT A				
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PVMT (SY)	REMARKS
ROUTE SP240 - ALT A - HOWARD/BOONE COUNTY				
0.000	0.932	0.932	223.7	BEGINNING OF ROUTE TO BRIDGE A8911
		TOTAL	223.7	
		USE	223.7	

* IF LESS THAN TWO (2) MILES,
DELETE SIGN G020-1.

** ADDITIONAL SIGN W020-1 USED
AS SHOWN ON TRAFFIC CONTROL
SHEET 3 OF 5 AND AS DIRECTED
BY THE ENGINEER.

*** QUANTITIES FOR INFORMATIONAL
PURPOSES ONLY. INCLUDED IN MISC
LUMP SUM TEMPORARY TRAFFIC CONTROL.

SUMMARY OF QUANTITIES
SP240 - ALT A
SHEET 3 OF 4



DATE PREPARED 7/30/2025	
ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 3

COUNTY HOWARD/CHARITON
JOB NO. JST0152
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)

BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING) - ROUTE V ALT B										
LOG MILE	LOG MILE	LENGTH		WIDTH (FT)	THICKNESS (FT)	(CY)	FACTOR (TONS/CY)	(T)	TACK (GAL)	REMARKS
		(MI)	(FT)							
ROUTE V - ALT B - COOPER COUNTY										
0.000			3,150		0.08333	9.7	1.987	19.3	28.0	BEGINNING OF ROUTE
0.004	1.804	1.800	9,504	21.14	0.08333	620.1	1.987	1,232.1	1,785.9	BEGINNING ROUTE TO BRIDGE B0351
							SUBTOTAL	1,251.4		
							25% IRREGULARITIES	312.85		
							TOTAL	1564.25	1,813.9	
							USE	1564.3	1814	

PAVEMENT MARKING - ROUTE V ALT B						
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS)		REMARKS
				4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	
ROUTE V - ALT B - COOPER COUNTY						
0.022	0.440	ROUTE V	2,207	4,414		
0.440	0.620	ROUTE V	950	950	238	
0.620	0.660	ROUTE V	211	422		
0.660	0.780	ROUTE V	634	634	159	
0.780	0.800	ROUTE V	106	212		
0.800	0.960	ROUTE V	845	845	211	
0.960	1.100	ROUTE V	739	1,478		
1.100	1.260	ROUTE V	845	845	211	
1.260	1.360	ROUTE V	528	1,056		
1.360	1.439	ROUTE V	417	417	104	
1.439	1.519	ROUTE V	422	844		
1.519	1.698	ROUTE V	945	945	236	
1.698	1.804	ROUTE V	560	1,120		
			TOTAL	14,182	1,159	
			USE	15341		

GRAVEL (A), CRUSHED STONE (B) - ROUTE V - ALT B							
APPROX. LOG MILE		LOCATION	LENGTH (FT)	WIDTH (FT)	THICKNESS (IN (AVG.))	GRAVEL, CRUSHED STONE (TON)	REMARKS
FROM	TO						
ROUTE V - COOPER COUNTY							
0.000	1.804	ROUTE V LT. & RT.	425	2	1.0	75.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE.
					TOTAL	75.00	
					USE	75	

CONSTRUCTION SIGNS - ROUTE V - ALT B							ADDITIONAL CONSTRUCTION ITEMS - ROUTE V - ALT B		
SIGN	SIZE (IN)	AREA (SF)	QTY (EACH)	TOTAL AREA (SF)	SIGN NUM.		ITEM NO.	*** QUANTITY	DESCRIPTION
WARNING SIGNS						DESCRIPTION	616-10.25	75	CHANNELIZERS (TRIM-LINE)
WO8-11	48X48	16	4	64	36	UNEVEN LANES	MISC LUMP SUM TEMPORARY TRAFFIC CONTROL - ROUTE V - ALT B		
WO8-12	48X48	16	2	32	35	NO CENTER LINE			
WO20-1	** 48X48	16	4	64	2	ROAD WORK AHEAD	ITEM NO.		DESCRIPTION
WO20-4	48X48	16	4	64	7	ONE LANE ROAD AHEAD			
WO20-7a	48X48	16	4	64	8	FLAGGER (SYMBOL)	616-99.01	LUMP SUM	MISC LUMP SUM TEMPORARY TRAFFIC CONTROL
GO22-1	21X15	2.19	2	4.38		WET PAINT (ARROW PIVOTS)			
GUIDE SIGNS							NOTE: REFER TO STANDARD PLANS 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.		
GO20-1	* 60X24	10	0		1	ROAD WORK NEXT XX MILES			
GO20-2	48X24	8	0		26	END ROAD WORK			
GO20-4	36X18	4.5	1	4.5	53	PILOT CAR FOLLOW ME			
GO20-4a	42X30	8.75	4	35	58	PILOT CAR IN USE WAIT & FOLLOW			
GO20-4a	18X12	1.5	12	18	58	PILOT CAR IN USE WAIT & FOLLOW			
MISCELLANEOUS SIGNS									
CONST-8	48X36	12	2	24	59	WORK ZONE NO PHONE ZONE			
616.10.05									
CONSTRUCTION SIGNS TOTAL			***	374					

NOTE :

REFER TO STANDARD PLANS 616.10 AND 903.03
FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

MODIFIED COLDMILLING (DEPTH TRANSITIONS) - ROUTE V - ALT B					
LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	MOD COLDMILL (SY)	REMARKS
ROUTE V - ALT B - COOPER COUNTY					
0.000		25	VAR	350.0	BEGIN ROUTE
1.804		25	21	58.3	BRIDGE B0351
			TOTAL	408.3	
			USE	408	

REPLACEMENT OF DAMAGED PAVEMENT - ROUTE V - ALT B				
LOG MILE	LOG MILE	LENGTH (MI)	REPLACEMENT OF DAMAGED PVMT (T)	REMARKS
ROUTE V - ALT B - COOPER COUNTY				
0.000	1.804	1.804	180.4	BEGINNING ROUTE TO BRIDGE B0351
		TOTAL	180.4	
		USE	180.4	

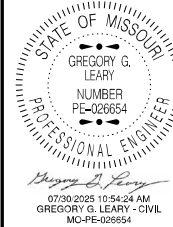
REMOVAL OF DAMAGED PAVEMENT - ROUTE V - ALT B				
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PVMT (SY)	REMARKS
ROUTE V - ALT B - COOPER COUNTY				
0.000	1.804	1.804	631.4	BEGINNING ROUTE TO BRIDGE B0351
		TOTAL	631.4	
		USE	631.4	

* IF LESS THAN TWO (2) MILES,
DELETE SIGN G020-1.

** ADDITIONAL SIGN W020-1 USED
AS SHOWN ON TRAFFIC CONTROL
SHEET 3 OF 5 AND AS DIRECTED
BY THE ENGINEER.

*** QUANTITIES FOR INFORMATIONAL
PURPOSES ONLY. INCLUDED IN MISC
LUMP SUM TEMPORARY TRAFFIC CONTROL.

SUMMARY OF QUANTITIES
ROUTE V - ALT B
SHEET 4 OF 4

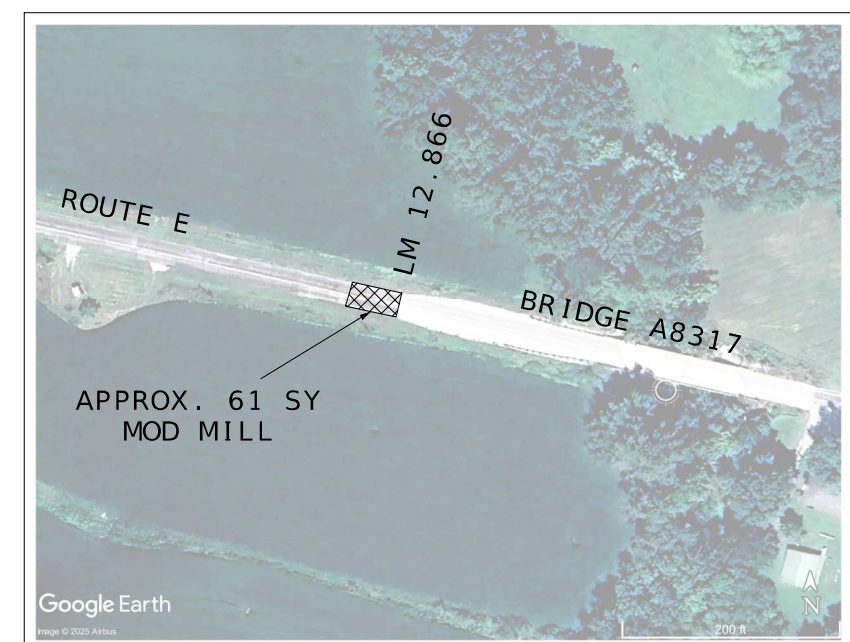
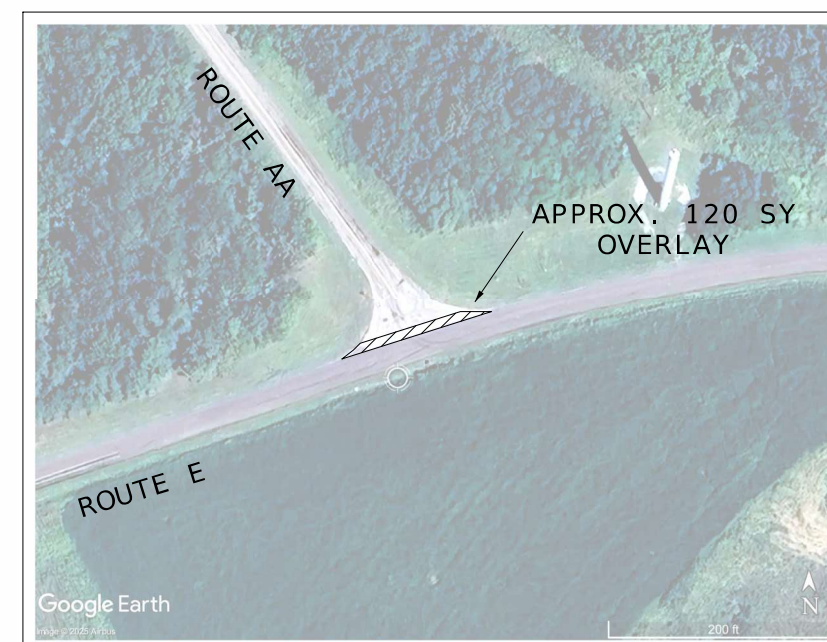
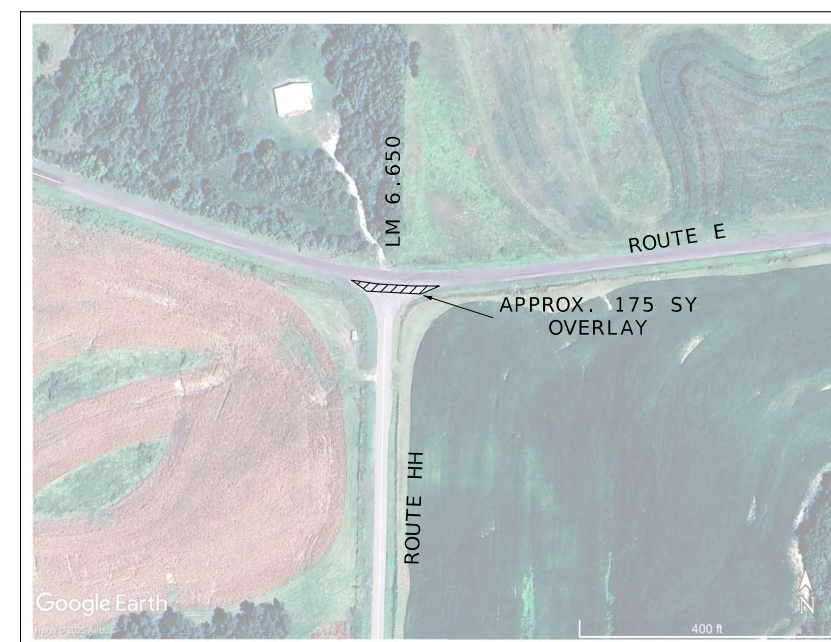
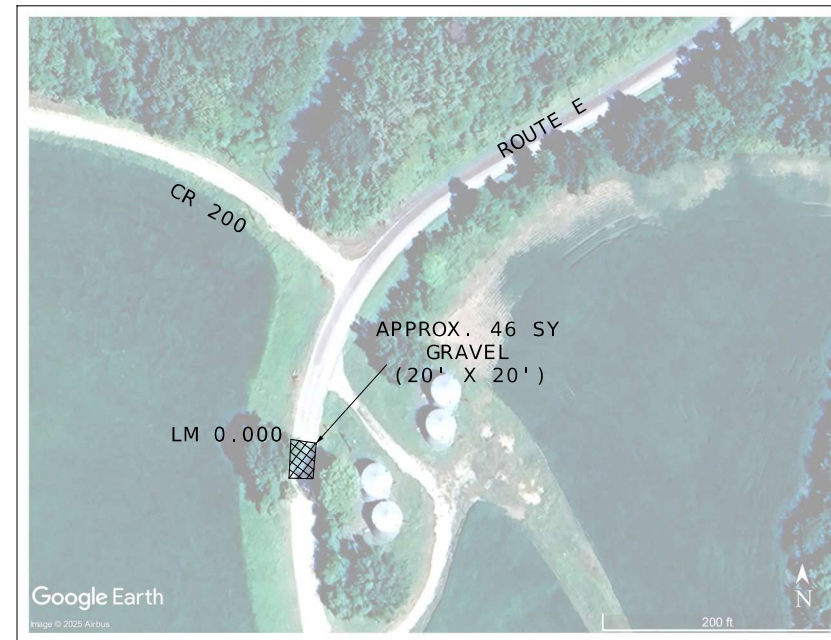


DATE PREPARED 7/30/2025	
ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY HOWARD / CHARITON	
JOB NO. JST0152	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

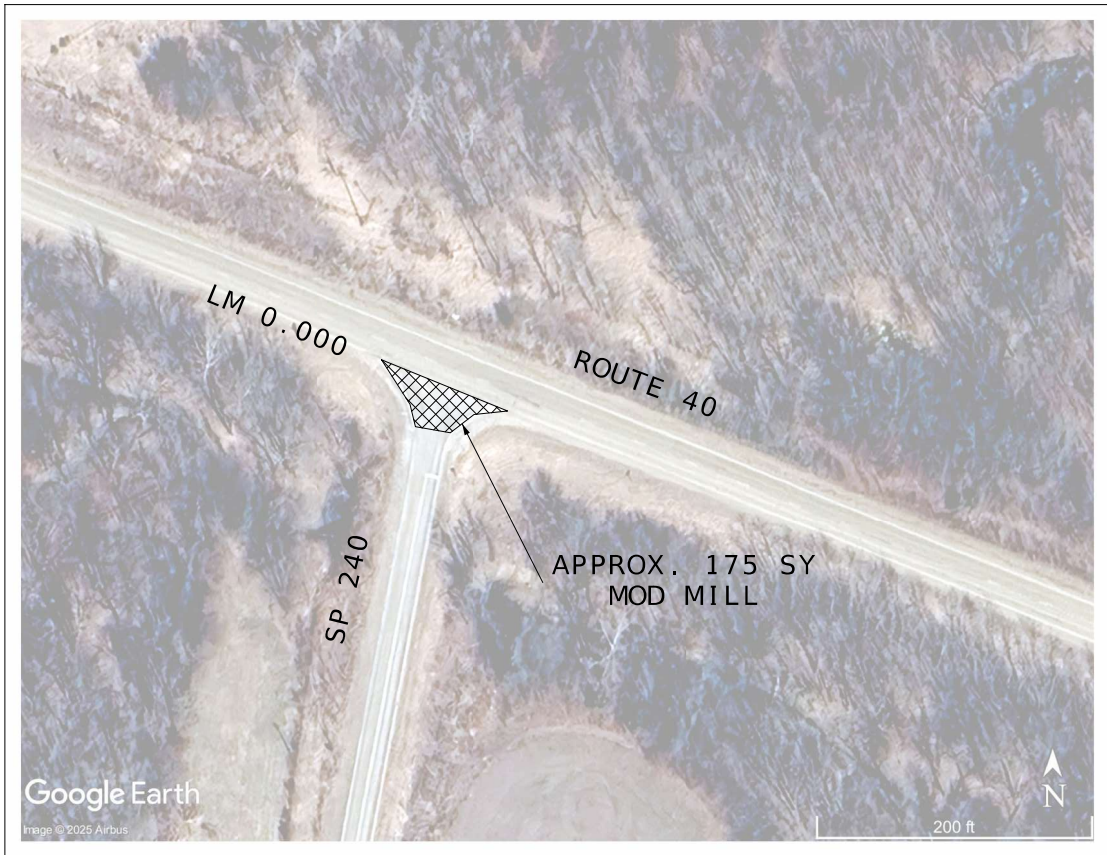
DESCRIPTION	DATE								





SPECIAL SHEET
ROUTE E
1 OF 4

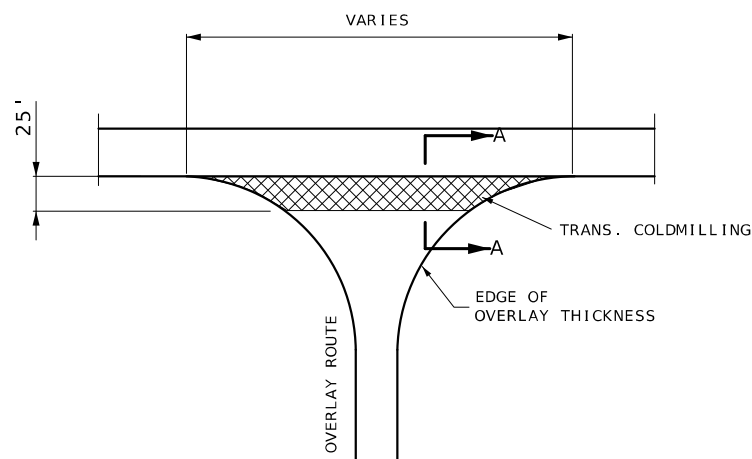
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ROUTE SP240 - HOWARD/BOONE COUNTY - ALT A
BEGIN PROJECT - LOG MILE 0.000

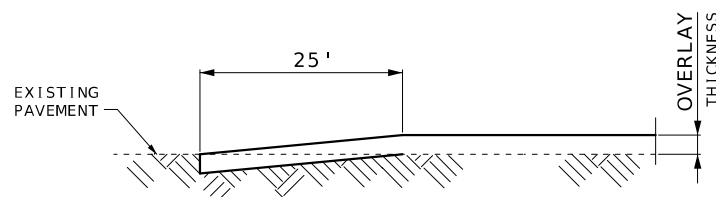


ROUTE SP240 - HOWARD/BOONE COUNTY - ALT A
END PROJECT - LOG MILE 0.932

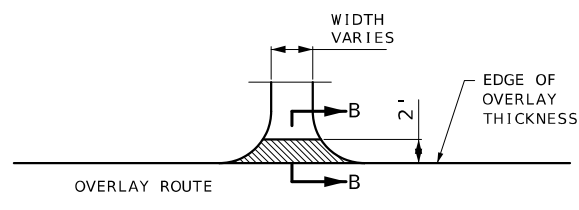


TYPICAL STATE ROUTE JUNCTION

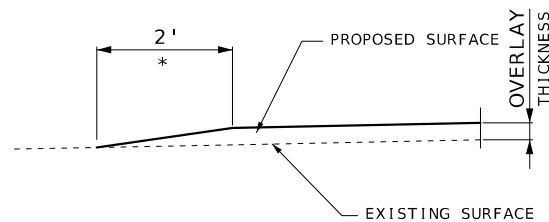
ROUTE SP240 - ALT A - LOG MILE 0.000



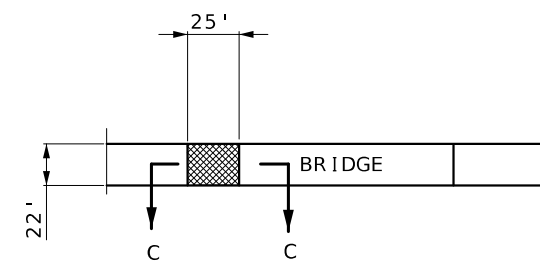
SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)



TYPICAL ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
* TAPER AT 1:1 FOR FIELD ENTRANCE

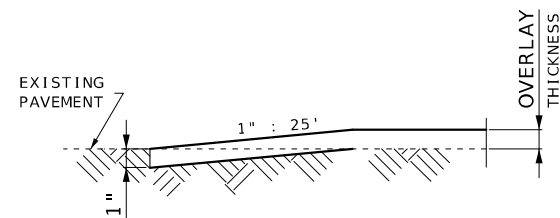


SECTION B-B



TYPICAL BRIDGE ENDS

ROUTE SP240 - ALT A - LOG MILE 0.959



SECTION C-C
TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
NOT AT INTERSECTING ROUTE
AND AT EXCEPTIONS

SPECIAL SHEET
ALT A
3 OF 4

STATE OF MISSOURI
GREGORY G. LEARY
NUMBER
PE-026654
PROFESSIONAL ENGINEER

DATE PREPARED
7/29/2025

ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 6

COUNTY
HOWARD / CHARITON

JOB NO.
JST0152

CONTRACT ID.

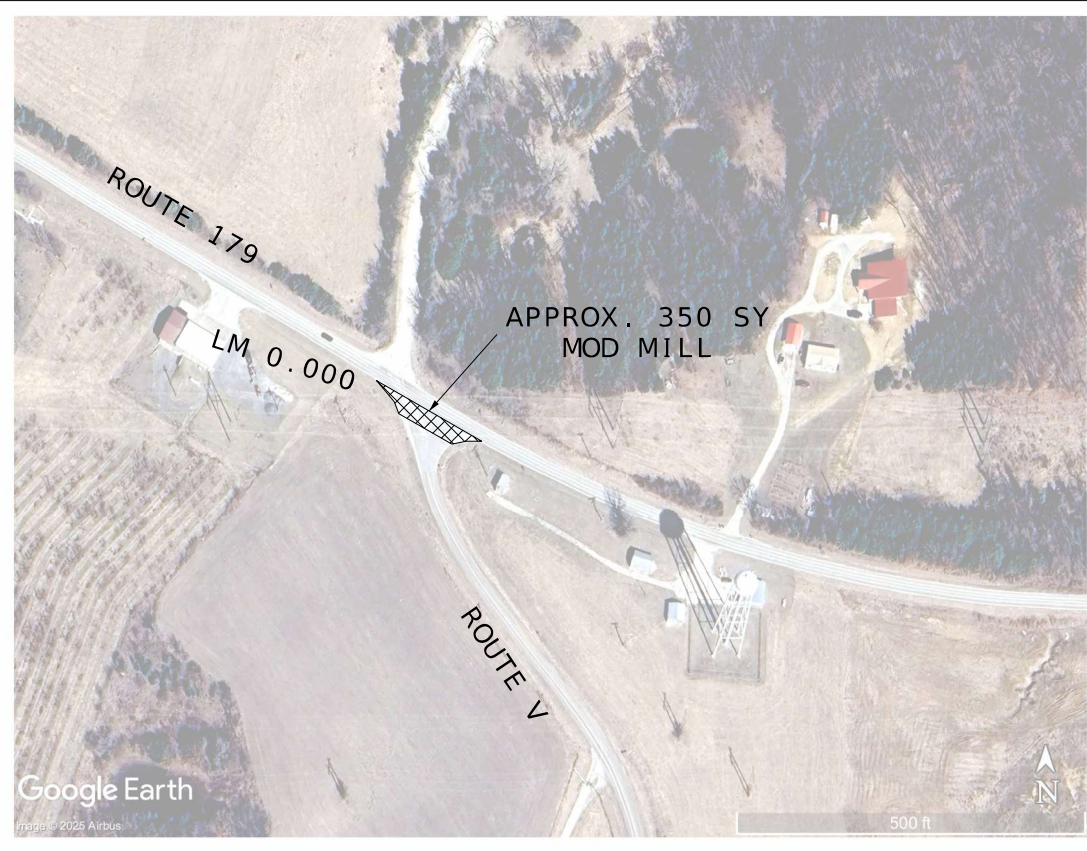
PROJECT NO.

BRIDGE NO.

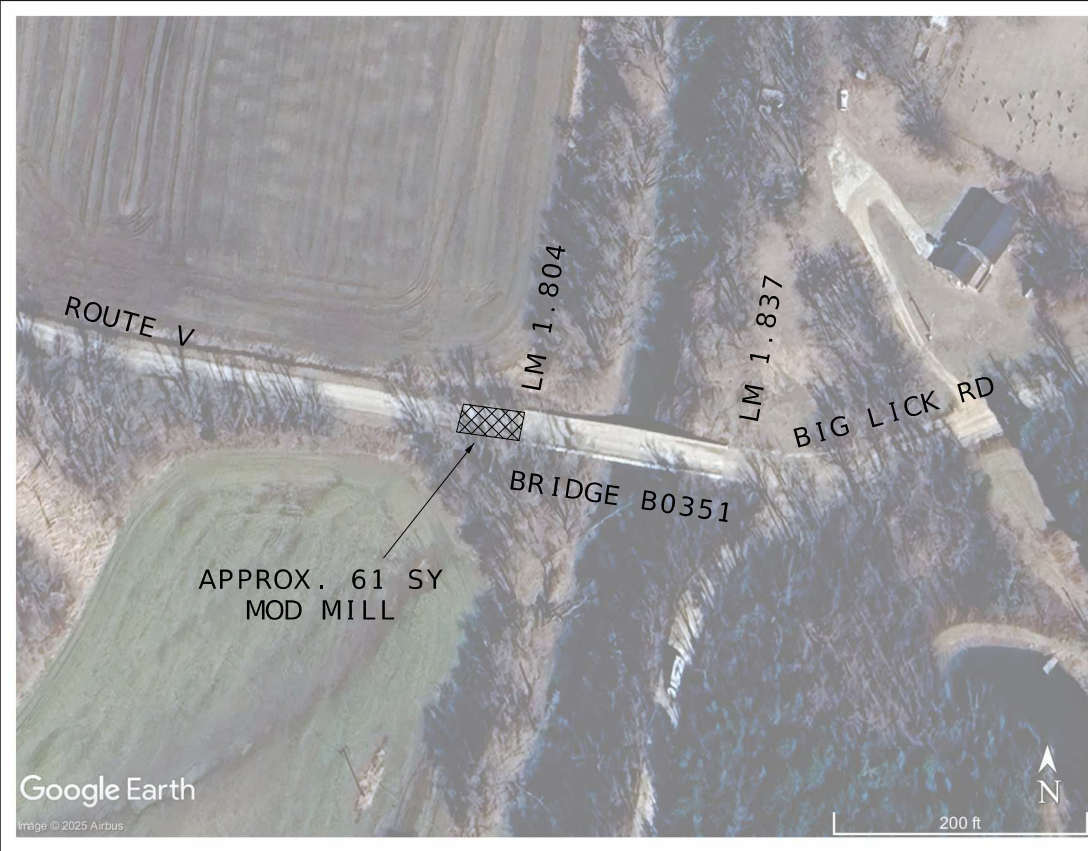
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

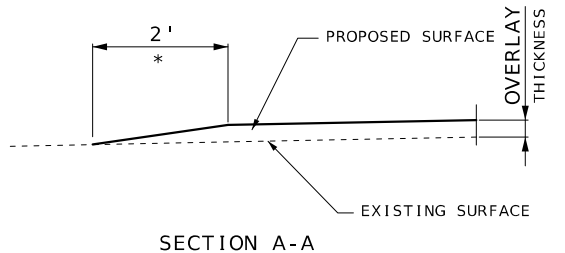
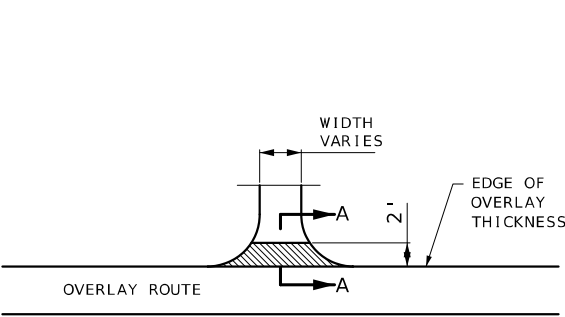
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



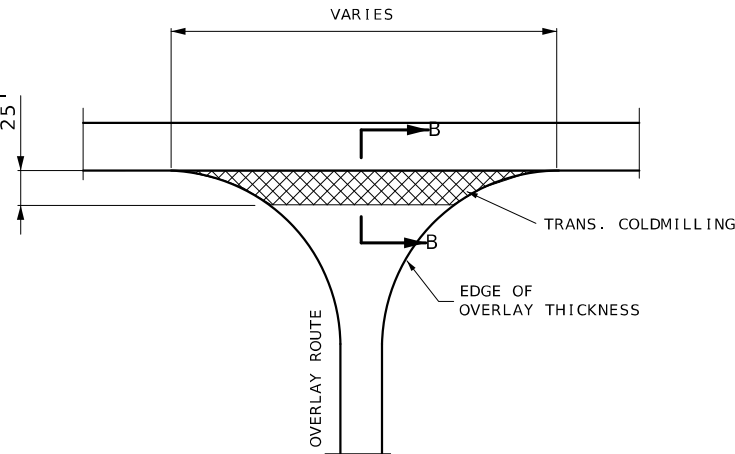
ROUTE V - COOPER COUNTY - ALT B
BEGIN PROJECT - LOG MILE 0.000



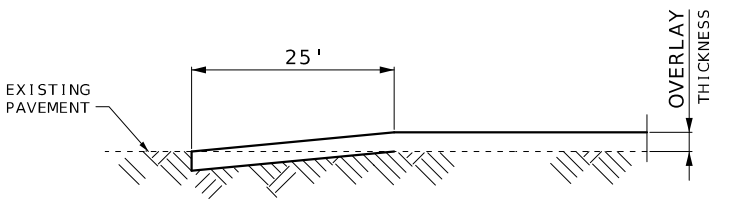
ROUTE V - COOPER COUNTY - ALT B
END PROJECT - LOG MILE 1.804



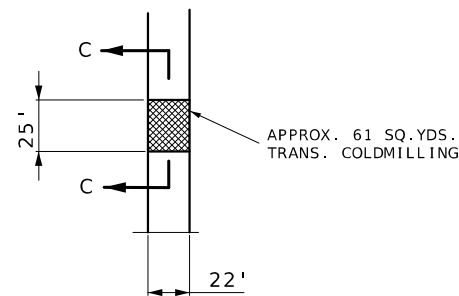
SECTION A-A
TYPICAL ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
* TAPER AT 1:1 FOR FIELD ENTRANCE



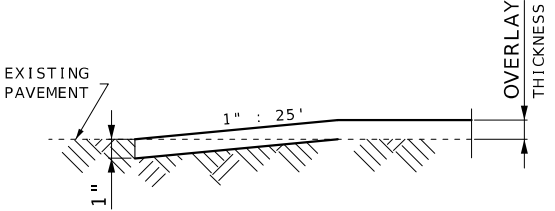
TYPICAL STATE ROUTE JUNCTION
ROUTE V - ALT B - LOG MILE 0.000



SECTION B-B
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)



TYPICAL STATE END ROUTE
ROUTE V - ALT B - LOG MLE 1.804



SECTION C-C
TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
NOT AT INTERSECTING ROUTE
AND AT EXCEPTIONS

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER PE-026654

PROFESSIONAL ENGINEER

07/29/2025 6:38:53 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED

7/29/2025

ROUTE

VAR

STATE

MO

DISTRICT

CD

SHEET NO.

7

COUNTY

HOWARD / CHARITON

JOB NO.

JST0152

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

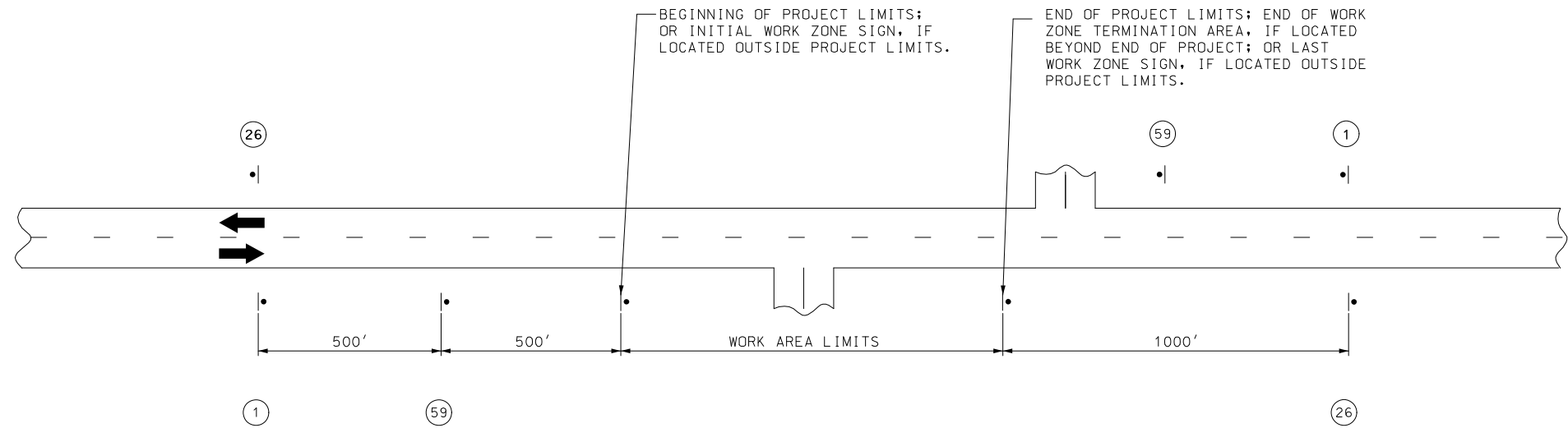
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

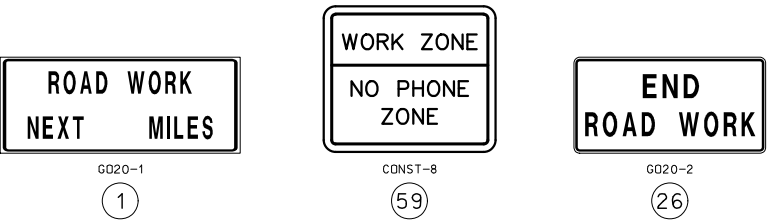


NOTES:

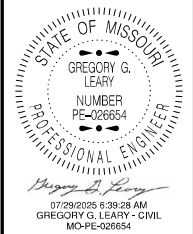
SIGN 1 AND 26 ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



ROUTE E - HOWARD COUNTY - 13 MILES
ROUTE V - CHARITON/HOWARD COUNTY - 9 MILES



DATE PREPARED
7/29/2025

ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 8

COUNTY
HOWARD/CHARITON

JOB NO.
JST0152

CONTRACT ID.

PROJECT NO.

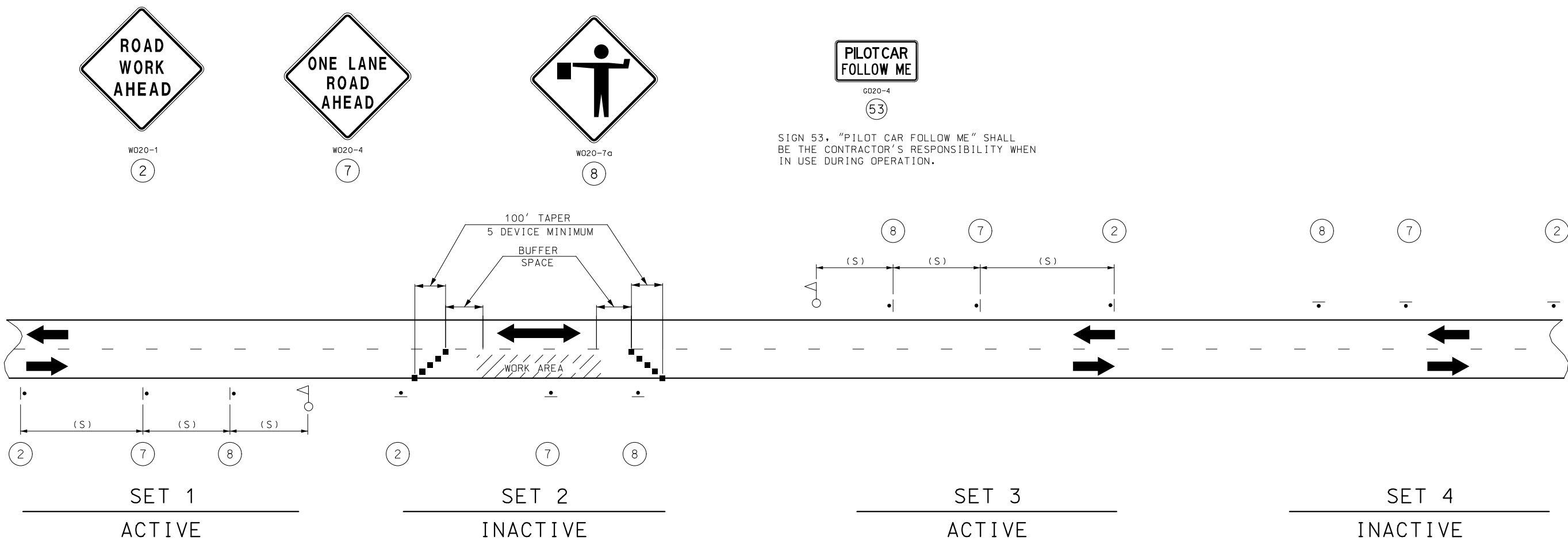
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT



NOTES:

THIS PLAN IS FOR DAYLIGHT FLAGGING OPERATIONS ONLY. WHEN NIGHT WORK IS REQUIRED, OR OTHERWISE ALLOWED BY THE ENGINEER, WORK ZONE LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH SEC 616.5.2.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC) SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

- - CHANNELIZERS
- - FLAGGER

SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

07/29/2025 9:47:55 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED
7/29/2025

ROUTE
VAR

DISTRICT
CD

STATE
MO

SHEET NO.
9

COUNTY
HOWARD / CHARITON

JOB NO.
JST0152

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MODOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TRAFFIC CONTROL
SHEET 2 OF 5

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/ WORK AREA (TYP.)
0-35	200	40
40-45	350	80
50-55	500	80
60-70	1000	120

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

NOTES:

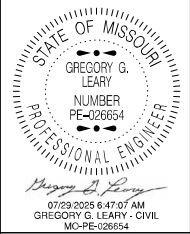
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS (AS SPECIFIED)

◁ - FLAGGER

NOT TO SCALE



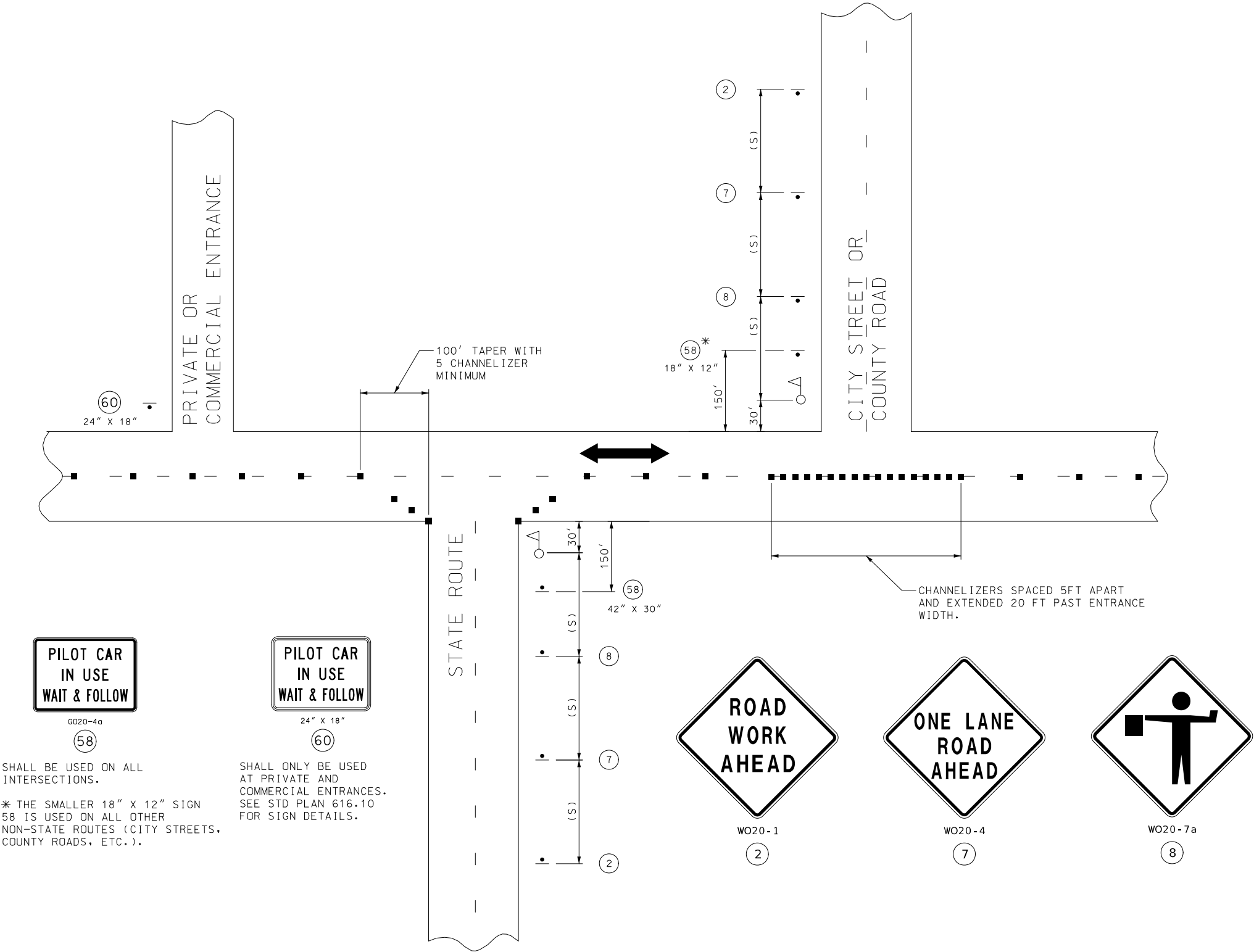
DATE PREPARED 7/29/2025	
ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 10
COUNTY HOWARD/CHARITON	
JOB NO. JST0152	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

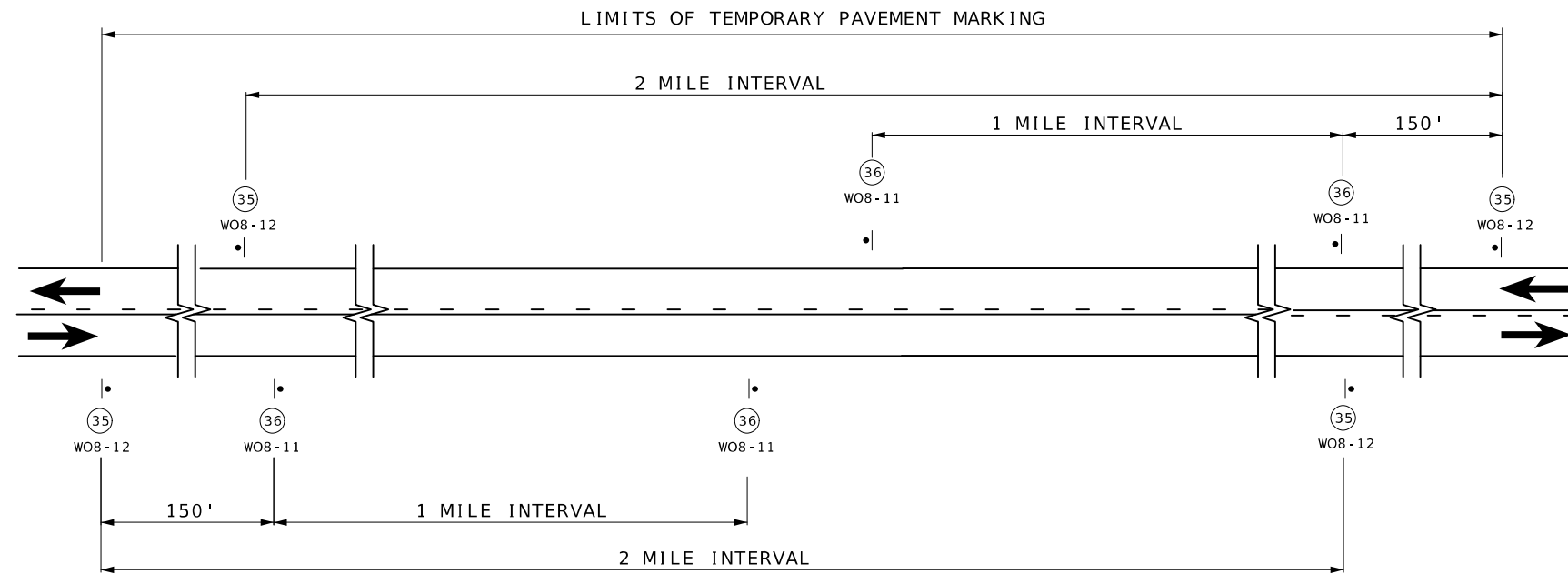
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



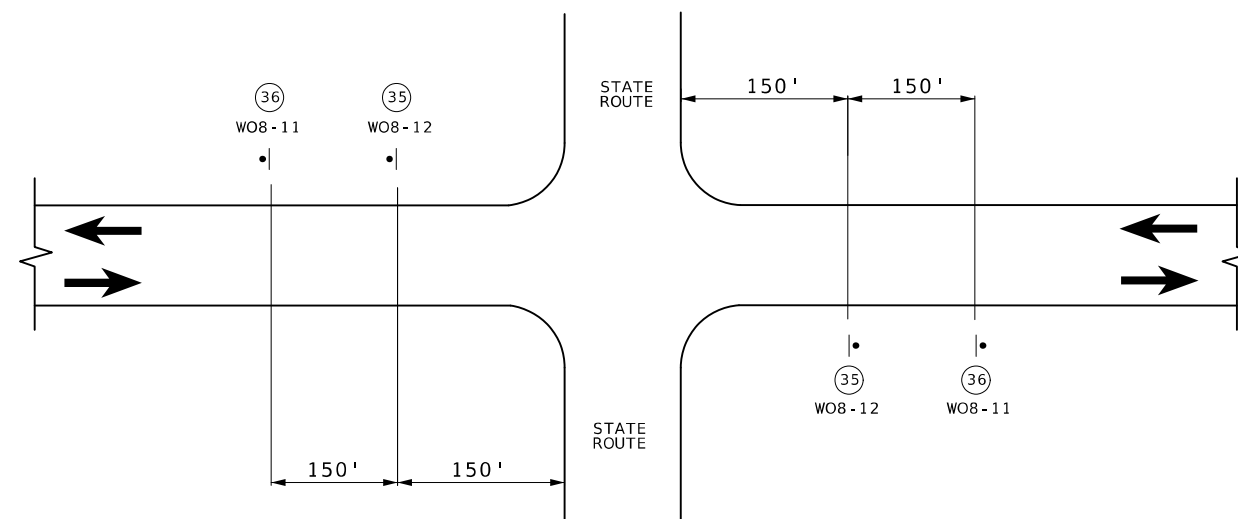
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SIDE ROADS ENTERING WORK ZONES



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE



NOTES :

SIGN 35 AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

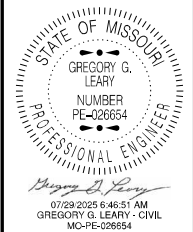
SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH
STANDARD PLAN 616.10 AND 903.03.

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 5

SHEET 4 OF 5



DATE PREPARED

ROUTE	STATE
-------	-------

DISTRICT	SHEET NO.
CD	11

COUNTY
HOWARD / CHAR I TON

JOB NO.
JST0152

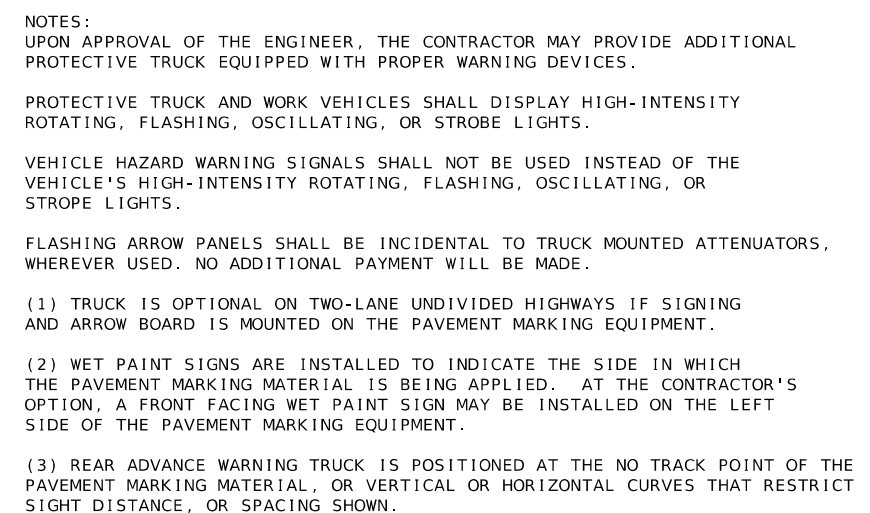
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

The logo for the Missouri Department of Transportation (MoDOT) is located in the top right corner. It features the text "MISSOURI HIGHWAYS AUTHORITY" and "COMMISSION" in a vertical stack on the left. To the right is a stylized graphic of a road winding into the distance, with the word "MoDOT" written vertically along the road. Further to the right, the letters "IFE" are partially visible.