

DESIGN DESIGNATION  
 RTE O - RANDOLPH CO.  
 A.A.D.T - 2023 = 148  
 V = 55 M.P.H

RTE U - RANDOLPH CO.  
 A.A.D.T - 2023 = 104  
 V = 55 M.P.H

RTE CC - AUDRAIN CO.  
 A.A.D.T - 2023 = 427  
 V = 55 M.P.H

RTE JJ - AUDRAIN CO.  
 A.A.D.T - 2023 = 744  
 V = 55 M.P.H

RTE Y - AUDRAIN/MONROE CO.  
 A.A.D.T - 2023 = 421  
 V = 55 M.P.H

RTE C - AUDRAIN/MONROE CO.  
 A.A.D.T - 2023 = 488  
 V = 55 M.P.H

RTE EE - RALLS CO.  
 A.A.D.T - 2023 = 835  
 V = 55 M.P.H

RTE M - MONROE CO.  
 A.A.D.T - 2023 = 758  
 V = 55 M.P.H

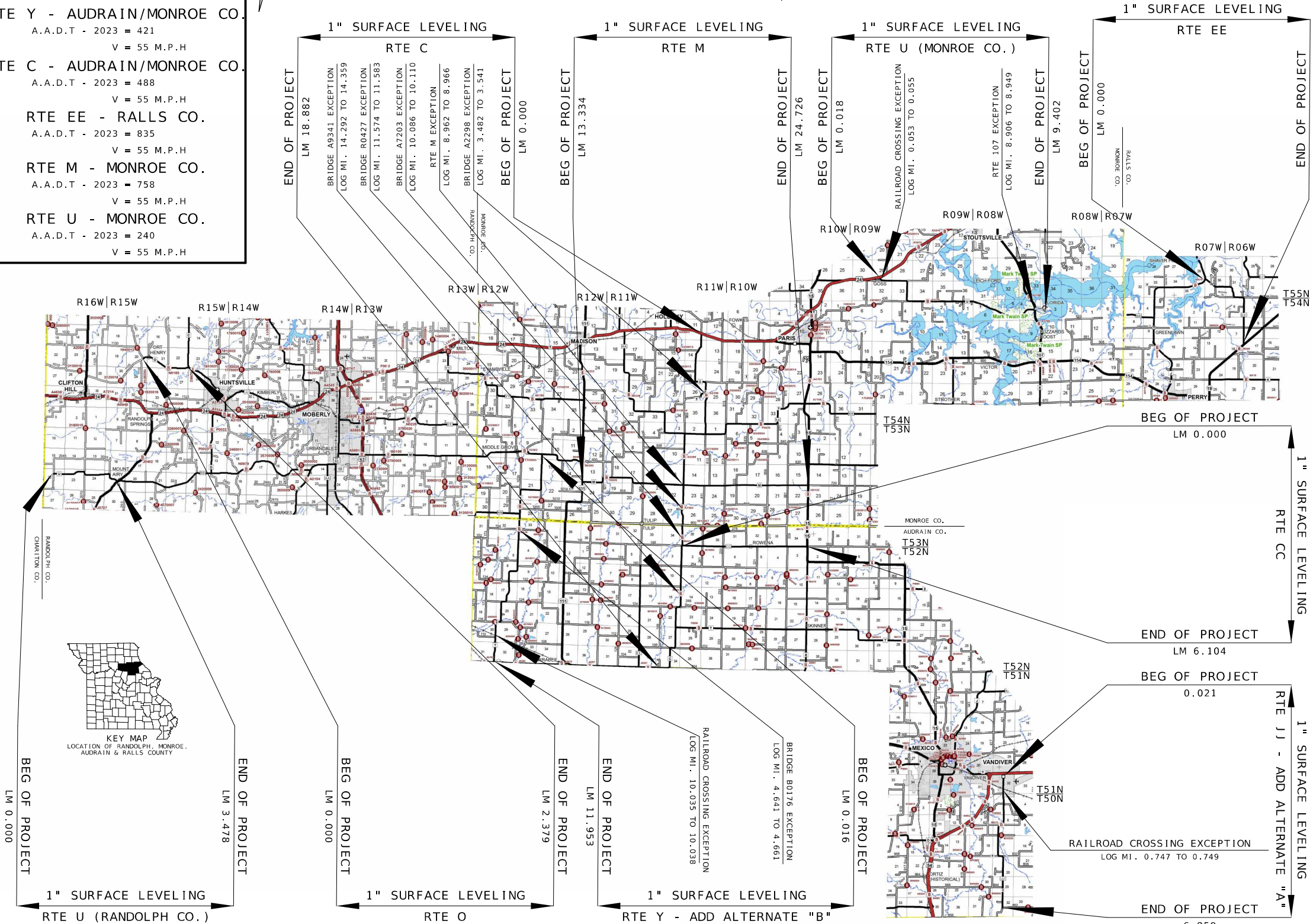
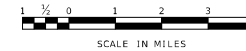
RTE U - MONROE CO.  
 A.A.D.T - 2023 = 240  
 V = 55 M.P.H

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY

### AUDRAIN, MONROE, RALLS & RANDOLPH COUNTIES

T55N-T50N, R16W-R06W



INDEX OF SHEETS	
DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (9 SHEETS)	2
QUANTITIES (QU) (17 SHEETS)	3
SPECIAL SHEETS (SS) (15 SHEETS)	4-18

RTE C	BEGIN OF PROJECT	LOG MILE 0.000
	END OF PROJECT	LOG MILE 18.882
	APPARENT LENGTH	MILES 18.882
EXCEPTIONS:		
BRIDGE A2298		0.059 MILES
RTE M		0.004 MILES
BRIDGE A7203		0.024 MILES
BRIDGE R0427		0.009 MILES
BRIDGE A9341		0.067 MILES
TOTAL CORRECTIONS		0.163 MILES
NET LENGTH OF PROJECT		18.719 MILES
STATE LENGTH		18.719 MILES

RTE CC	BEGIN OF PROJECT	LOG MILE 0.000
	END OF PROJECT	LOG MILE 6.104
	APPARENT LENGTH	MILES 6.104
EXCEPTIONS:		
NONE		0.000 MILES
TOTAL CORRECTIONS		0.000 MILES
NET LENGTH OF PROJECT		6.104 MILES
STATE LENGTH		6.104 MILES

RTE EE	BEGIN OF PROJECT	LOG MILE 0.000
	END OF PROJECT	LOG MILE 4.648
	APPARENT LENGTH	MILES 4.648
EXCEPTIONS:		
NONE		0.000 MILES
TOTAL CORRECTIONS		0.000 MILES
NET LENGTH OF PROJECT		4.648 MILES
STATE LENGTH		4.648 MILES

RTE M	BEGIN OF PROJECT	LOG MILE 13.334
	END OF PROJECT	LOG MILE 24.726
	APPARENT LENGTH	MILES 11.392
EXCEPTIONS:		
NONE		0.000 MILES
TOTAL CORRECTIONS		0.000 MILES
NET LENGTH OF PROJECT		11.392 MILES
STATE LENGTH		11.392 MILES

RTE O	BEGIN OF PROJECT	LOG MILE 0.000
	END OF PROJECT	LOG MILE 2.379
	APPARENT LENGTH	MILES 2.379
EXCEPTIONS:		
NONE		0.000 MILES
TOTAL CORRECTIONS		0.000 MILES
NET LENGTH OF PROJECT		2.379 MILES
STATE LENGTH		2.379 MILES

RTE U (MONROE CO.)	BEGIN OF PROJECT	LOG MILE 0.018
	END OF PROJECT	LOG MILE 9.402
	APPARENT LENGTH	MILES 9.384
EXCEPTIONS:		
RAILROAD CROSSING		0.002 MILES
RTE 107		0.043 MILES
TOTAL CORRECTIONS		0.045 MILES
NET LENGTH OF PROJECT		9.339 MILES
STATE LENGTH		9.339 MILES

RTE U (RANDOLPH CO.)	BEGIN OF PROJECT	LOG MILE 0.000
	END OF PROJECT	LOG MILE 3.478
	APPARENT LENGTH	MILES 3.478
EXCEPTIONS:		
NONE		0.000 MILES
TOTAL CORRECTIONS		0.000 MILES
NET LENGTH OF PROJECT		3.478 MILES
STATE LENGTH		3.478 MILES

RTE JJ	BEGIN OF PROJECT	LOG MILE 0.021
	END OF PROJECT	LOG MILE 6.859
	APPARENT LENGTH	MILES 6.838
EXCEPTIONS:		
RAILROAD CROSSING		0.002 MILES
TOTAL CORRECTIONS		0.002 MILES
NET LENGTH OF PROJECT		6.836 MILES
STATE LENGTH		6.836 MILES

RTE Y	BEGIN OF PROJECT	LOG MILE 0.016
	END OF PROJECT	LOG MILE 11.953
	APPARENT LENGTH	MILES 11.937
EXCEPTIONS:		
BRIDGE B0176		0.020 MILES
RAILROAD CROSSING		0.003 MILES
TOTAL CORRECTIONS		0.023 MILES
NET LENGTH OF PROJECT		11.914 MILES
STATE LENGTH		11.914 MILES



DATE PREPARED  
 9/9/2024

ROUTE	STATE
VARIABLES	MO
DISTRICT	SHEET NO.
NE	1

COUNTY  
 VARIES

JOB NO.  
 JST0104

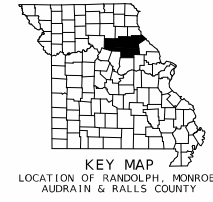
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION







DATE PREPARED  
9/9/2024

ROUTE <b>VAR.</b>	STATE <b>MO</b>
DISTRICT <b>NE</b>	SHEET NO. <b>2</b>

COUNTY  
**VARIOUS**

JOB NO.  
**JST0104**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

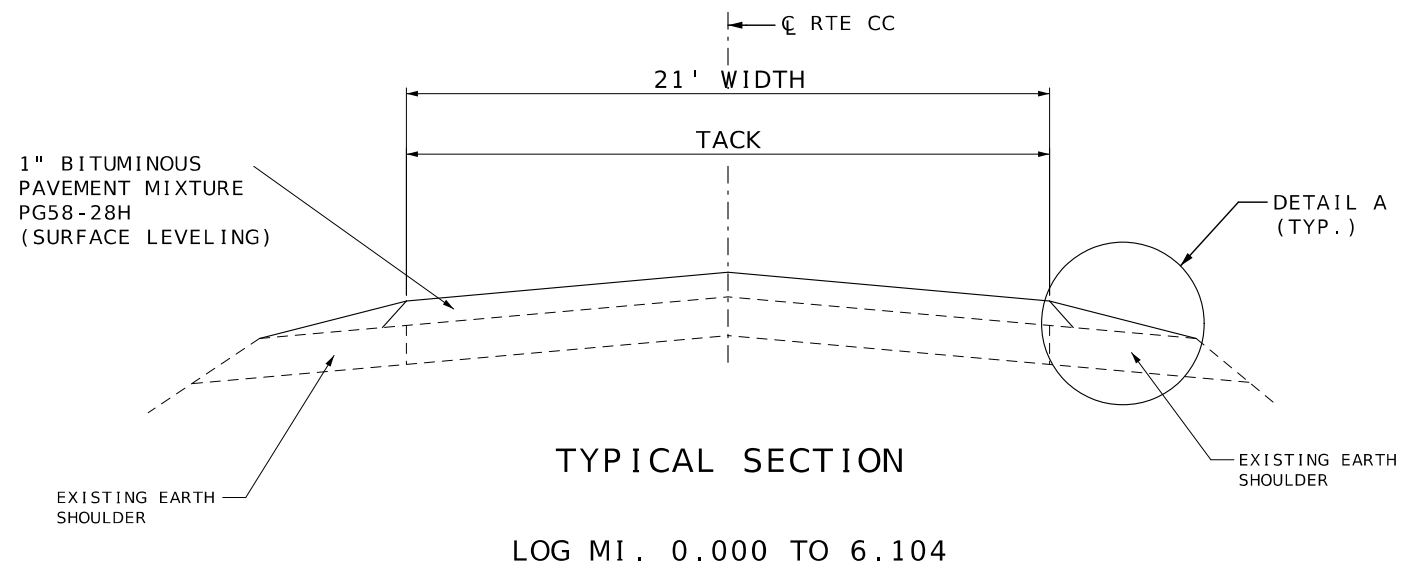
MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



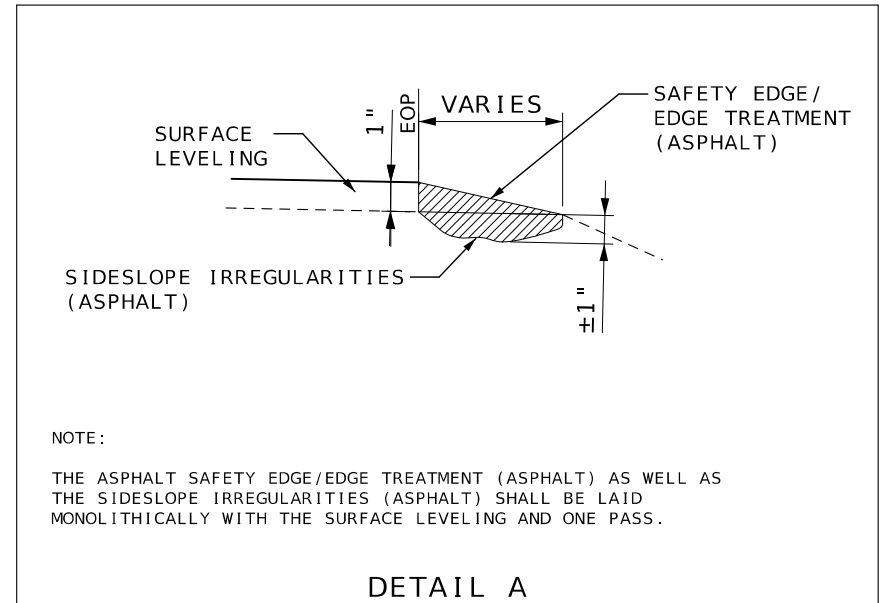
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

RTE CC  
AUDRAIN COUNTY

TYPICAL SECTION SHEET  
SHEET 2 OF 9  
NOT TO SCALE



LOG MI. 0.000 TO 6.104



NOTE:  
THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A

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

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY
TACK COAT (EXISTING SURFACE) = 0.08 GALLON / SY
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.

RTE CC



DATE PREPARED  
9/9/2024

ROUTE STATE  
VAR. MO

DISTRICT SHEET NO.  
NE 2

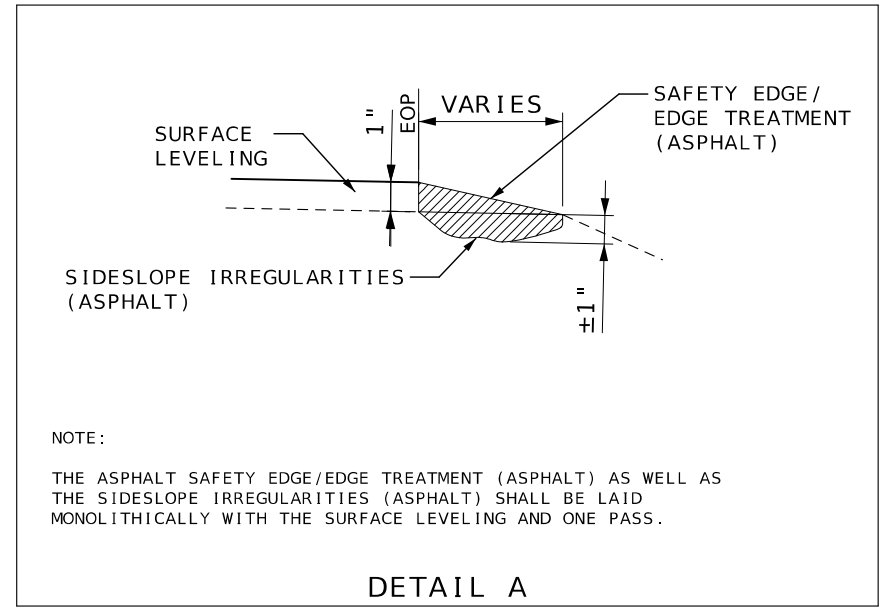
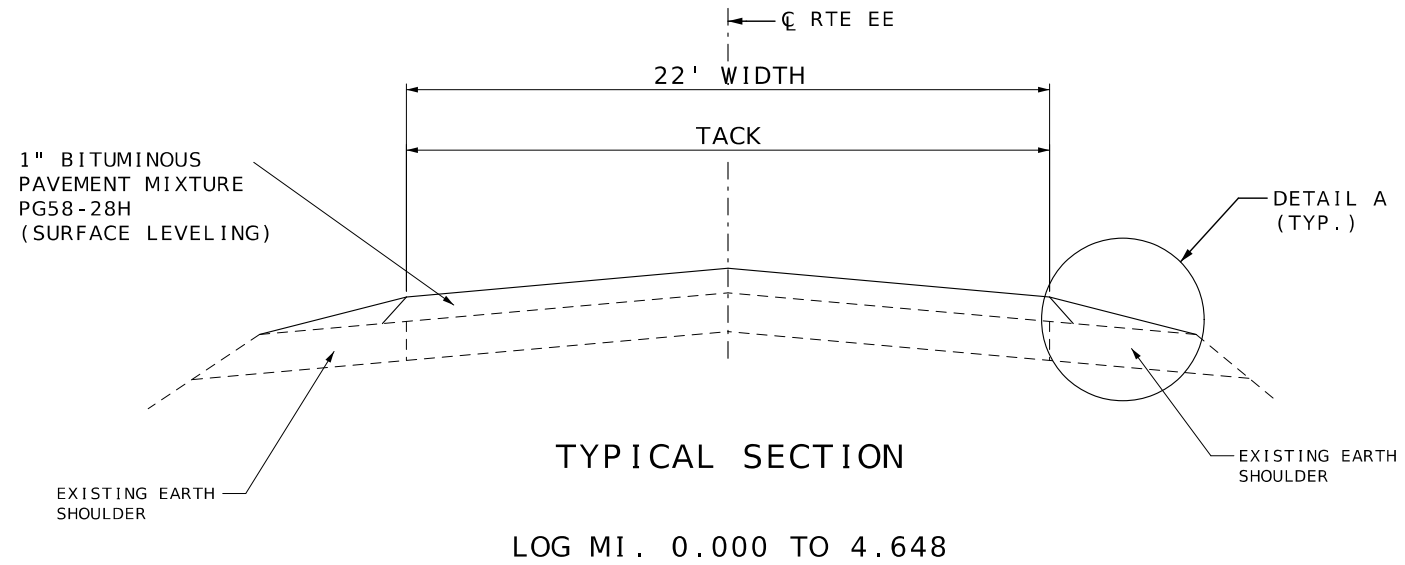
COUNTY  
VARIOUS

JOB NO.  
JST0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



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

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING)	= 1.948 TON/CY
TACK COAT (EXISTING SURFACE)	= 0.08 GALLON / SY
GRAVEL, CRUSH STONE AND CHAT	= 1.40 TONS / CY OF LOOSE AGG.

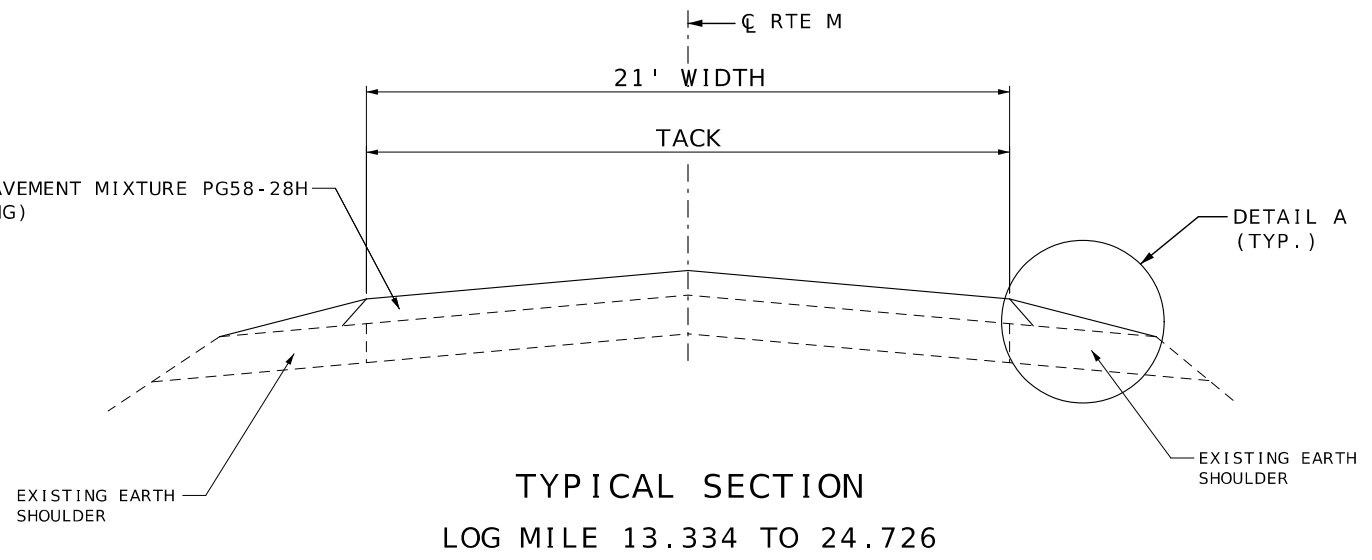
RTE EE

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

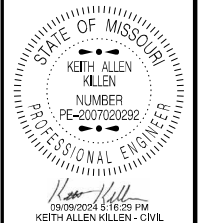
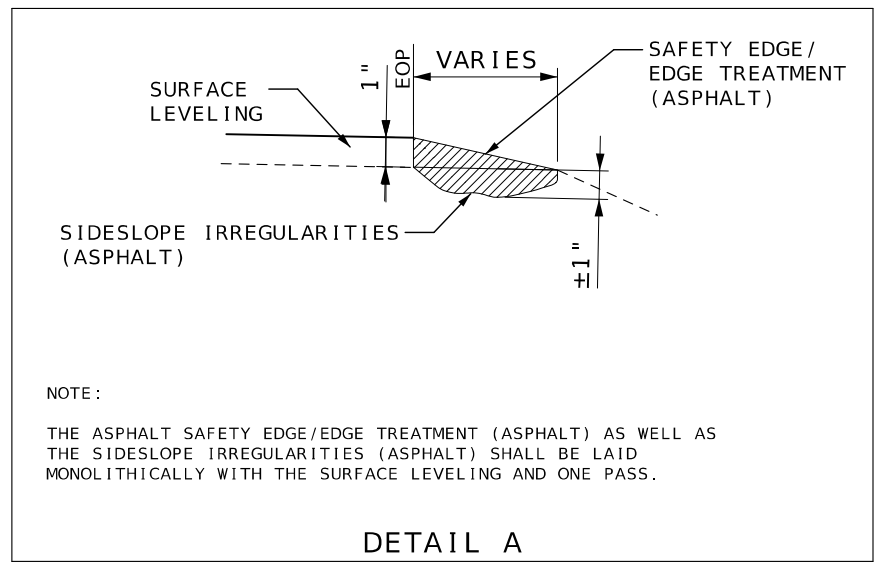
RTE EE  
RALLS COUNTY  
TYPICAL SECTION SHEET  
SHEET 3 OF 9  
NOT TO SCALE



TYPICAL SECTION  
LOG MILE 13.334 TO 24.726

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

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING)	= 1.948 TON/CY
TACK COAT (EXISTING SURFACE)	= 0.08 GAL/SY
TACK COAT (COLDMILLED SURFACE)	= 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT	= 1.40 TONS / CY OF LOOSE AGG.



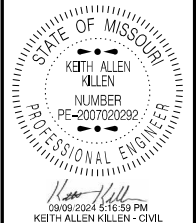
DATE PREPARED 9/9/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. JST0104	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE M  
MONROE COUNTY  
TYPICAL SECTION SHEET  
SHEET 4 OF 9  
NOT TO SCALE



DATE PREPARED  
9/9/2024

ROUTE STATE  
VAR. MO

DISTRICT SHEET NO.  
NE 2

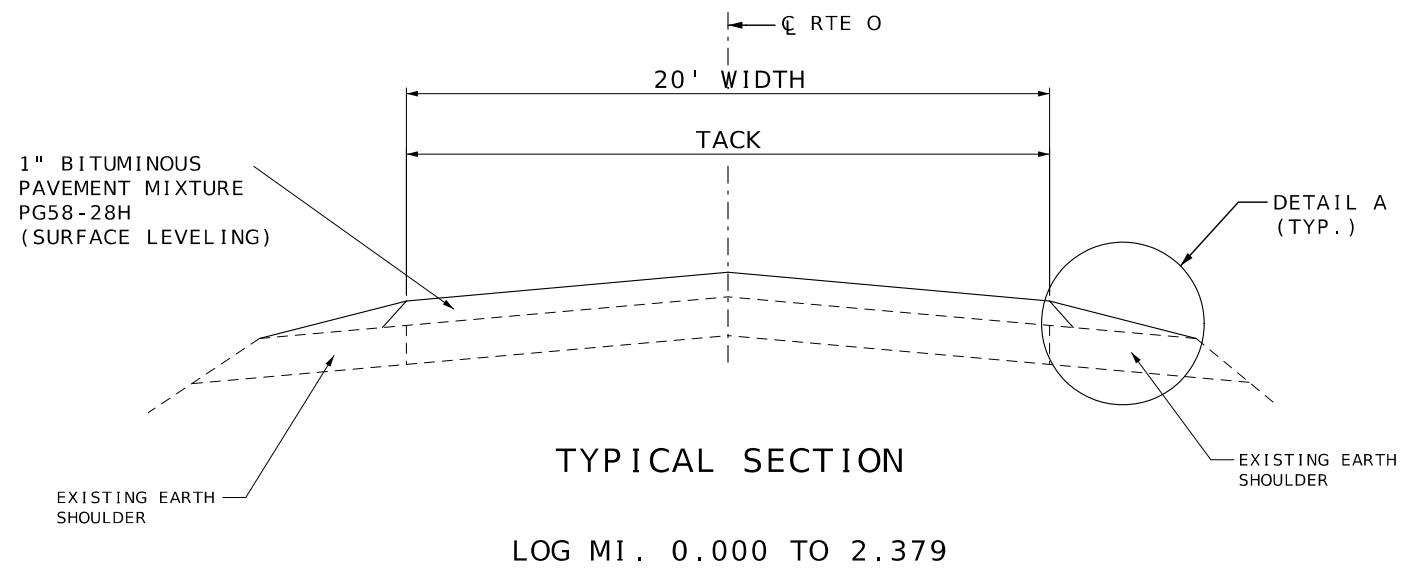
COUNTY  
VARIOUS

JOB NO.  
JST0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



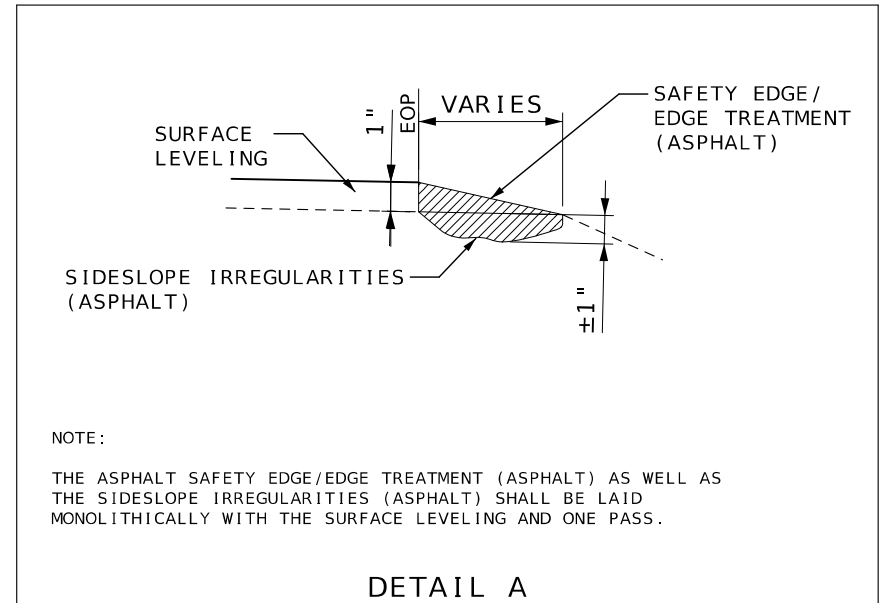
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

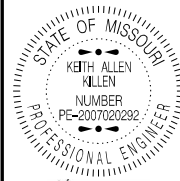
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

RTE 0 RANDOLPH COUNTY

TYPICAL SECTION SHEET  
SHEET 5 OF 9  
NOT TO SCALE



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



DATE PREPARED  
9/9/2024

ROUTE STATE  
VAR. MO  
DISTRICT SHEET NO.  
NE 2

COUNTY  
VARIOUS

JOB NO.  
JST0104

CONTRACT ID.

PROJECT NO.

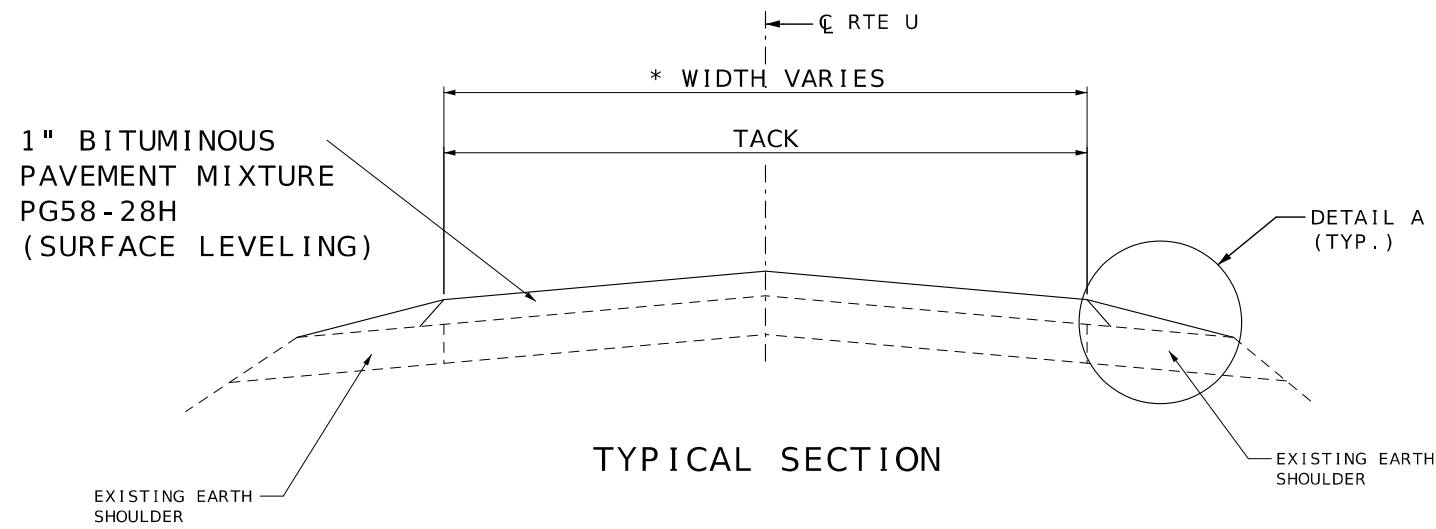
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

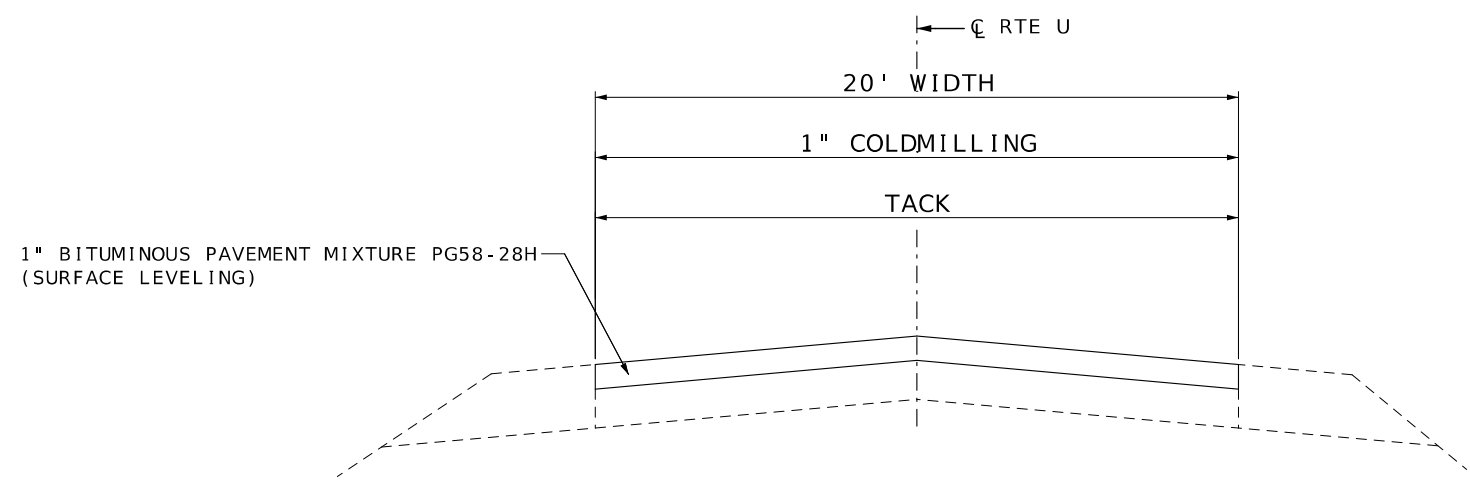
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

RTE U  
MONROE COUNTY  
TYPICAL SECTION  
SHEET 6 OF 9



TYPICAL SECTION

- \*LOG MI. 0.058 TO 8.130 - 20' WIDTH
- \*LOG MI. 8.130 TO 8.906 - 22' WIDTH †
- \*LOG MI. 8.949 TO 9.402 - 22' WIDTH



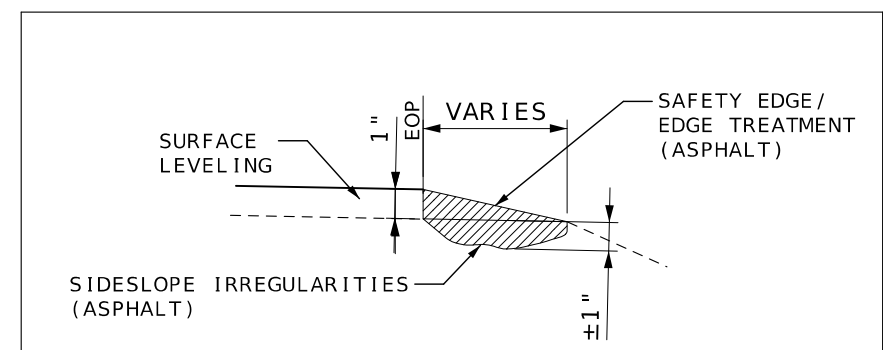
TYPICAL SECTION

\*LOG MI. 0.0018 TO 0.050 †

† R.R. CROSSING EXCEPTION  
LOG MI. 0.050 TO 0.058

† RTE 107 EXCEPTION  
LOG MI. 8.906 TO 8.949

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



NOTE:

THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A



DATE PREPARED  
9/9/2024

ROUTE STATE  
VAR. MO

DISTRICT SHEET NO.  
NE 2

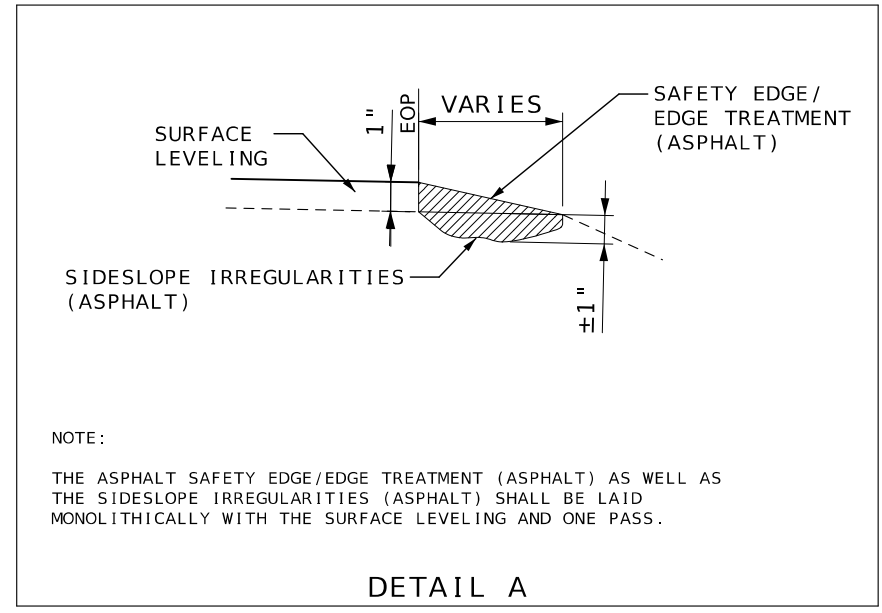
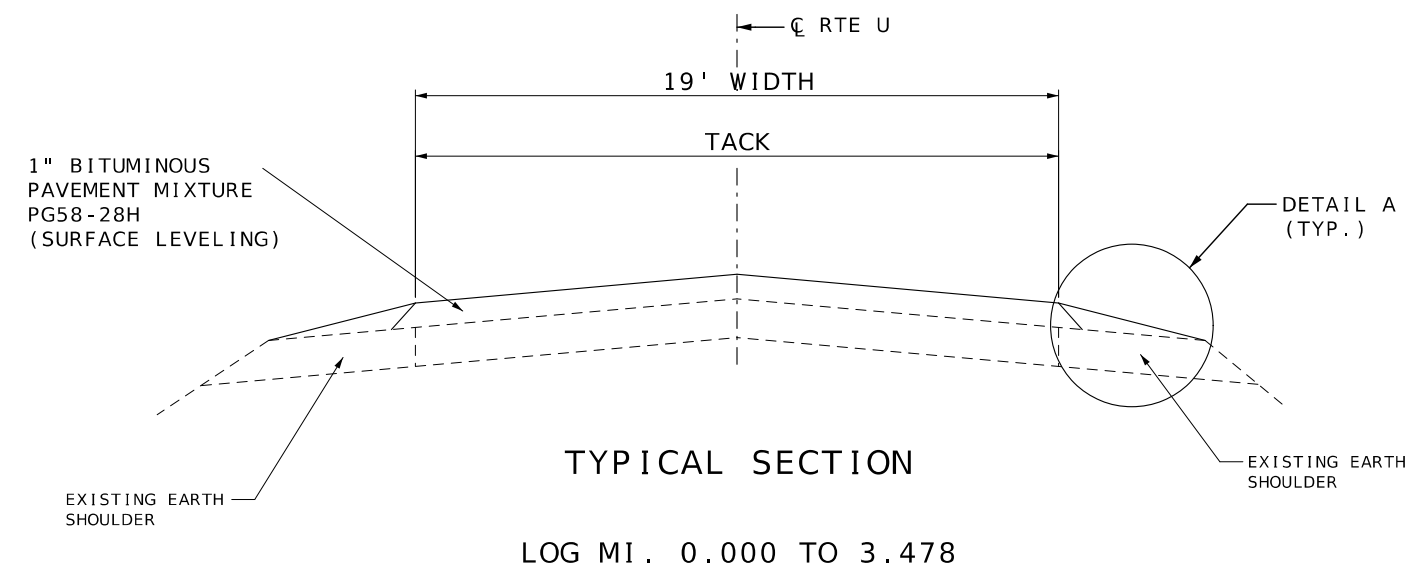
COUNTY  
VARIOUS

JOB NO.  
JST0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



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

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING)	= 1.948 TON/CY
TACK COAT (EXISTING SURFACE)	= 0.08 GALLON / SY
GRAVEL, CRUSH STONE AND CHAT	= 1.40 TONS / CY OF LOOSE AGG.

RTE U

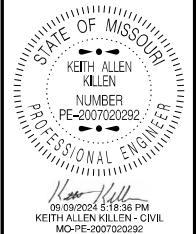
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE U  
RANDOLPH COUNTY  
**TYPICAL SECTION SHEET**  
SHEET 7 OF 9  
NOT TO SCALE





DATE PREPARED  
9/9/2024

ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 2

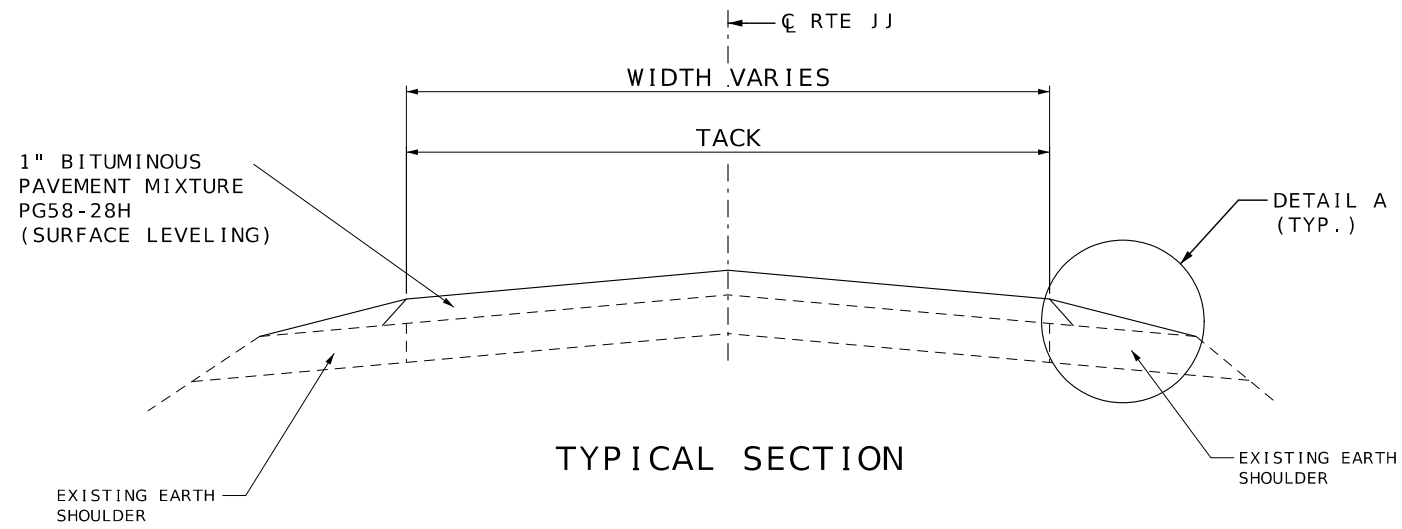
COUNTY  
VARIOUS

JOB NO.  
JST0104

CONTRACT ID.

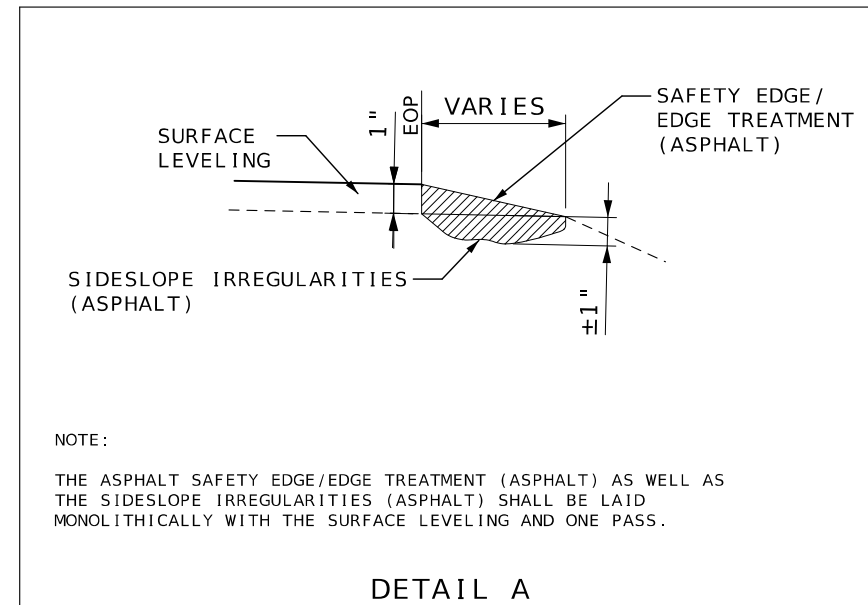
PROJECT NO.

BRIDGE NO.



LOG MI. 0.021 TO 0.747 - 22' WIDTH †  
 LOG MI. 0.749 TO 2.670 - 22' WIDTH  
 LOG MI. 2.670 TO 6.859 - 21' WIDTH

† R.R. CROSSING EXCEPTION  
 LOG MI. 0.747 TO 0.749



ADD ALTERNATE - "A" - RTE JJ

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

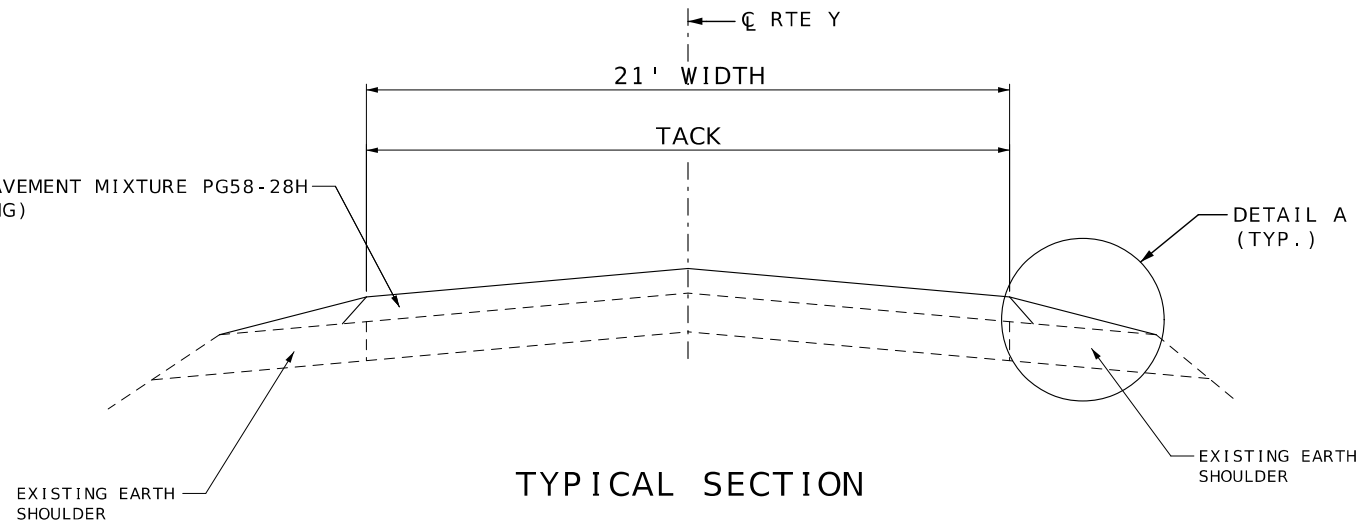
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION

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

RTE JJ  
 AUDRAIN COUNTY

TYPICAL SECTION SHEET  
 SHEET 8 OF 9  
 NOT TO SCALE



**TYPICAL SECTION**  
 LOG MILE 0.000 TO 4.641\*  
 LOG MILE 4.661 TO 10.035†  
 LOG MILE 10.038 TO 11.953

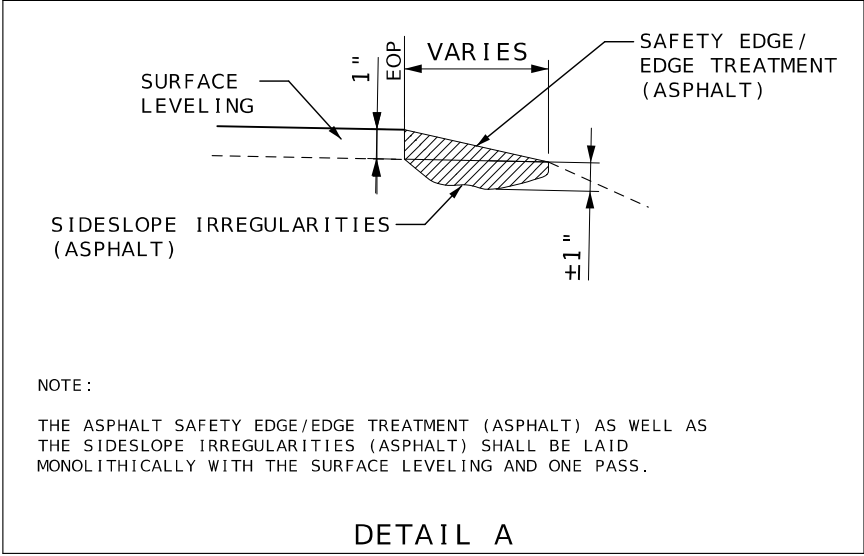
**EXCEPTIONS**  
 \*BRIDGE B0176 EXCEPTION  
 LOG MILE 4.641 TO 4.661

†R.R. EXCEPTION  
 LOG MILE 10.035 TO 10.038

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

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING)	= 1.948 TON/CY
TACK COAT (EXISTING SURFACE)	= 0.08 GAL/SY
TACK COAT (COLDMILLED SURFACE)	= 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT	= 1.40 TONS / CY OF LOOSE AGG.

ADD ALTERNATE - "B" - RTE Y



NOTE:  
 THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS  
 THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID  
 MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A



DATE PREPARED  
 9/9/2024

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
NE	2

COUNTY  
 VARIOUS

JOB NO.  
 JST0104

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)

RTE Y  
 AUDRAIN/MONROE COUNTY  
**TYPICAL SECTION SHEET**  
 SHEET 9 OF 9  
 NOT TO SCALE

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)								
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	REMARKS
0.000	0.009	50.00	1.00	VARIES	250.00	13.5	20.0	BEG PROJECT
0.009	3.482	18337.44	1.00	21	42787.36	2315.3	3423.0	
3.482	3.541	-	1.00	-	-	-	-	BRIDGE EXCEPTION A2298
3.541	5.439	10021.44	1.00	21	23383.36	1265.3	1870.7	
5.439	5.464	-	1.00	VARIES	725.00	39.2	58.0	RTE AA EAST JUNCTION
5.464	6.446	5184.96	1.00	21	12098.24	654.6	967.9	
6.446	6.462	-	1.00	VARIES	625.00	33.8	50.0	RTE AA WEST JUNCTION
6.462	8.956	13168.32	1.00	21	30726.08	1662.6	2458.1	
8.956	8.962	30.00	1.00	VARIES	150.00	8.1	12.0	
8.962	8.966	-	-	-	-	-	-	RTE M EXCEPTION
8.966	8.975	50.00	1.00	VARIES	335.00	18.1	26.8	
8.975	10.086	5866.08	1.00	21	13687.52	740.6	1095.0	
10.086	10.110	126.72	-	21	-	-	-	BRIDGE EXCEPTION A7203
10.110	11.568	7698.24	1.00	21	17962.56	972.0	1427.6	
11.568	11.587	100.32	-	21	-	-	-	BRIDGE EXCEPTION R0427
11.587	14.292	14282.40	1.00	21	33325.60	1803.3	2656.7	
14.292	14.359	353.76	-	21	-	-	-	BRIDGE EXCEPTION A9341
14.359	18.882	23881.44	1.00	21	55723.36	3015.3	4457.9	END PROJECT
18.862	-	-	1.00	VARIES	300.00	16.2	24.0	RTE C SPUR
0.000	18.882	99696.96	-	-	-	5664.6	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	18.882	99696.96	-	-	-	1198.8	-	SAFETY EDGE/EDGE TREATMENT - 1 FT LEFT AND RIGHT (VARIES)
SUBTOTAL						19,421.3	18,547.7	
SUBTOTAL						59.6	88.0	PAVED ENTRANCES
TOTAL						19,481	18,636	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.000	0.009	50.00	1.00	VARIES	250	BEGIN PROJECT
3.473	3.482	50.00	1.00	21	117	BRIDGE TRANSITION A2298
3.541	3.550	50.00	1.00	21	117	BRIDGE TRANSITION A2298
5.448		50.00	1.00	21	117	RTE AA EAST
6.450		50.00	1.00	21	117	RTE AA WEST
10.077	10.086	50.00	1.00	21	117	BRIDGE TRANSITION A7203
10.110	10.119	50.00	1.00	21	117	BRIDGE TRANSITION A7203
11.559	11.568	50.00	1.00	21	117	BRIDGE TRANSITION R0427
11.587	11.596	50.00	1.00	21	117	BRIDGE TRANSITION R0427
14.283	14.292	50.00	1.00	21	117	BRIDGE TRANSITION A9341
14.359	14.368	50.00	1.00	21	117	BRIDGE TRANSITION A9341
18.873	18.882	50.00	1.00	21	117	END PROJECT
18.862		50.00	1.00	VARIES	185	RTE C SPUR
SUBTOTAL					1,722	
SUBTOTAL					297	PAVED ENTRANCES
TOTAL					2,019	

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
0.000	18.882	18.88	2120.0	850.0	
TOTAL			2,120	850	

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

MOBILIZATION	
ITEM NO.	DESCRIPTION
	1 LUMP SUM

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28 (SURFACE LEVELING) = 1.948 TON/CY	
TACK COAT (COLDMILLED SURFACE) = 0.10 GALLON / SY	
TACK COAT (EXISTING SURFACE) = 0.08 GALLON / SY	
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.	

AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.000	18.882	125	2.0	250.0	PRIVATE AND FIELD ENTRANCES
0.000	18.882	15	4.0	60.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				310	

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES						
LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
3.438	RT	275	14.9	22	24	RTE C SPUR
11.990	LT	275	14.9	22	24	RTE CC
16.148	LT	325	17.6	26	24	RTE T
17.616	RT	25	1.4	2	25	
18.240	LT	200	10.8	16	200	
SUBTOTAL			59.6	88	297	



DATE PREPARED  
9/18/2024

ROUTE STATE  
VAR. MO  
DISTRICT SHEET NO.  
NE 3

COUNTY  
VARIOUS

JOB NO.  
JST0104  
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)

RTE C  
AUDRAIN/MONROE COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 1 OF 17

PAVEMENT MARKINGS							
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS				REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	4" WHITE SOLID EDGELINE L.F.	
0.008	0.062	RTE C			570		
0.062	0.145	RTE C	110				
0.145	0.261	RTE C		766			SB SOLID/NB INTERM
0.261	0.322	RTE C	90				
0.322	0.422	RTE C		660			SB INTERM/NB SOLID
0.422	0.481	RTE C	80				
0.481	0.641	RTE C		1,056			SB SOLID/NB INTERM
0.641	1.201	RTE C			5,914		
1.201	1.348	RTE C		970			SB INTERM/NB SOLID
1.348	1.363	RTE C			158		
1.363	1.519	RTE C		1,030			SB SOLID/NB INTERM
1.519	1.759	RTE C			2,534		
1.759	1.940	RTE C		1,195			SB INTERM/NB SOLID
1.940	2.060	RTE C	160				
2.060	2.218	RTE C		1,043			SB SOLID/NB INTERM
2.218	4.700	RTE C			26,210		
4.700	4.819	RTE C		785			SB SOLID/NB INTERM
4.819	5.263	RTE C			4,689		
5.263	5.399	RTE C		898			SB INTERM/NB SOLID
5.399	5.508	RTE C			1,151		
5.508	5.667	RTE C		1,049			SB INTERM/NB SOLID
5.667	6.366	RTE C	930				
6.366	6.464	RTE C		647			SB SOLID/NB INTERM
6.464	6.523	RTE C			623		
6.523	6.743	RTE C		1,452			SB SOLID/NB INTERM
6.743	6.922	RTE C		1,181			SB INTERM/NB SOLID
6.922	7.083	RTE C	220				
7.083	7.221	RTE C		911			SB SOLID/NB INTERM
7.221	7.244	RTE C	40				
7.244	7.382	RTE C		911			SB INTERM/NB SOLID
7.382	7.525	RTE C	190				
7.525	7.701	RTE C		1,162			SB SOLID/NB INTERM
7.701	7.901	RTE C	270				
7.901	8.001	RTE C		660			SB INTERM/NB SOLID
8.001	8.061	RTE C			634		
8.061	8.161	RTE C		660			SB SOLID/NB INTERM
8.161	8.465	RTE C			3,210		
8.465	8.641	RTE C		1,162			SB INTERM/NB SOLID
8.641	8.905	RTE C	350				
8.905	8.960	RTE C			581		
8.960	8.980	RTE C					RTE M EXCEPTION
8.980	9.020	RTE C			422		
9.020	9.740	RTE C	960				
9.740	9.901	RTE C		1,063			SB SOLID/NB INTERM
9.901	10.561	RTE C			6,970		
10.561	10.725	RTE C		1,082			SB INTERM/NB SOLID
10.725	11.062	RTE C	450				
11.062	11.161	RTE C		653			SB SOLID/NB INTERM
11.161	11.240	RTE C	110				
11.240	11.341	RTE C		667			SB INTERM/NB SOLID
11.341	11.641	RTE C	400				
11.641	11.820	RTE C		1,181			SB SOLID/NB INTERM
11.820	12.180	RTE C			3,802		
12.180	12.339	RTE C		1,049			SB INTERM/NB SOLID
12.339	13.160	RTE C	1,090				
13.160	13.259	RTE C		653			SB SOLID/NB INTERM
13.259	13.279	RTE C			211		
13.279	13.439	RTE C		1,056			SB INTERM/NB SOLID
13.439	13.458	RTE C	30				
13.458	13.638	RTE C		1,188			SB SOLID/NB INTERM
13.638	13.798	RTE C		1,056			SB INTERM/NB SOLID
13.798	13.818	RTE C			211		
13.818	13.878	RTE C		396			SB SOLID/NB INTERM
13.878	13.958	RTE C	110				
13.958	14.059	RTE C		667			SB INTERM/NB SOLID
14.059	14.398	RTE C	450				
14.398	14.518	RTE C		792			SB SOLID/NB INTERM
14.518	14.558	RTE C	60				
14.558	14.698	RTE C		924			SB INTERM/NB SOLID
14.698	14.737	RTE C	60				
14.737	14.919	RTE C		1,201			SB SOLID/NB INTERM
14.919	15.340	RTE C			4,446		
14.398	15.479	RTE C		7,135			SB INTERM/NB SOLID
15.479	16.918	RTE C	1,900				
16.918	17.078	RTE C		1,056			SB SOLID/NB INTERM
17.078	17.401	RTE C			3,411		
17.401	17.479	RTE C		515			SB INTERM/NB SOLID
17.479	17.559	RTE C			845		
15.340	17.739	RTE C		15,833			SB INTERM/NB SOLID
17.739	18.078	RTE C	450				
18.078	18.242	RTE C		1,082			SB SOLID/NB INTERM
18.242	18.403	RTE C			1,700		
18.403	18.563	RTE C		1,056			SB INTERM/NB SOLID
18.078	18.603	RTE C	700				
18.603	18.762	RTE C		1,049			SB SOLID/NB INTERM
18.762	18.902	RTE C			1,478		
SUB-TOTAL 1			9,210	59,552	69,770		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 19 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	18	288.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	36	576.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 6 TOTAL						
2	W020-1	48 X 48	16.00	6	96.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	6	96.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	6	96.00	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	6	9.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 8 TOTAL						
2	W020-1	48 X 48	16.00	8	128.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	8	128.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	8	128.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	8	70.00	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS					1921.26	

ITEM NO.	QTY.	DESCRIPTION
616-10.25	100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

PAVEMENT MARKINGS								
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS				REMARKS	
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	4" WHITE SOLID EDGELINE L.F.		
3.438		RTE C SPUR			100			
5.448		RTE AA EAST		125			EB INTERM/WB SOLID	
6.450		RTE AA WEST		125			EB INTERM/WB SOLID	
11.990		RTE CC			150			
16.148		RTE T			100			
18.862		RTE C SPUR			150			
12.003	18.902	RTE C				72,853		
							-125	EDGELINE EXCEPTIONS
SUB-TOTAL 2			0	250	500	72,728		
SUB-TOTAL 1			9,210	59,552	69,770	0		
TOTAL				139,282		72,728		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI  
KEITH ALLEN MILLER  
NUMBER PE-2007020292  
PROFESSIONAL ENGINEER  
DATE PREPARED 9/9/2024

ROUTE	STATE
<b>VAR.</b>	<b>MO</b>
DISTRICT	SHEET NO.
<b>NE</b>	<b>3</b>
COUNTY	
<b>VARIOUS</b>	
JOB NO.	
<b>JST0104</b>	
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)

DESCRIPTION DATE

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)									
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	REMARKS
0.000	0.009	50.00	1.00	VARIES	347	18.8	-	34.7	BEG PROJECT
0.009	6.095	32134.08	1.00	21	74980	4057.3	5998.4	-	
6.095	6.104	50.00	1.00	VARIES	300	16.2	-	30.0	EMD PROJECT
0.000	6.104	32229.12	-	-	-	1831.2	-	-	ADDTL 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	6.104	32229.12	-	-	-	387.5	-	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						6,311.0	5,998.4	64.7	
SUBTOTAL						0.6	1.0	-	PAVED ENTRANCES
TOTAL						6,311.6	6,064		

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES						
LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
4.435	RT	12	0.6	1	12	ASPHALT
SUBTOTAL			0.6	1	12	

AGGREGATE ENTRANCES						
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS		REMARKS
		26	2.0	52.0		PRIVATE AND FIELD ENTRANCES
		10	4.0	40.0		COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				92		

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
6.095	6.104	50.00	1.00	VARIES	300	END PROJECT
SUBTOTAL					300	
SUBTOTAL					12	PAVED ENTRANCES
TOTAL					312	

TRAFFIC CONTROL DEVICES	
QTY.	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM.

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY	
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY	
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY	
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.	

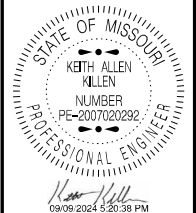
CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 6 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	6	96.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	12	192.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 9 TOTAL						
2	W020-1	48 X 48	16.00	9	144.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	9	144.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	9	144.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	9	13.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 0 TOTAL						
2	W020-1	48 X 48	16.00	0	0.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	0	0.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	0	0.00	PILOT CAR IN USE WAIT & FOLLOW
TOTAL					1039.76	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM. REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS. REFER TO STD. PLANS 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS. MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION.

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
0.000	6.104	6.10	200.0	80.0	
TOTAL			200	80	

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	QTY.	DESCRIPTION
616.99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

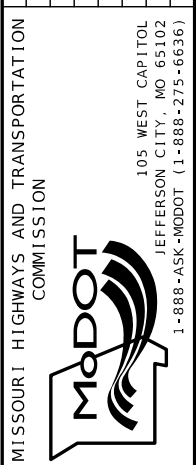
MOBILIZATION
1 LUMP SUM



DATE PREPARED  
9/9/2024  
ROUTE  
VAR.  
DISTRICT  
NE  
COUNTY  
VARIOUS  
JOB NO.  
JST0104  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE





1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)								
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	REMARKS
0.000	0.009	47.52	1.00	VARIES	286	15.5	22.9	BEG PROJECT
0.009	4.639	24446.40	1.00	22	59758	3233.6	4780.6	
4.639	4.648	47.52	1.00	VARIES	406	22.0	32.5	END PROJECT
0.000	4.648	24541.44	-	-	-	1394.4	-	ADDTL 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	4.648	24541.44	-	-	-	295.1	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						4,960.6	4,836.0	
SUBTOTAL						1.4	3.0	PAVED ENTRANCES
TOTAL						4,962	4,839	

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES						
LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
1.296	LT	26.1	1.4	3	26	ASPHLAT
		SUBTOTAL	1.4	3	26	

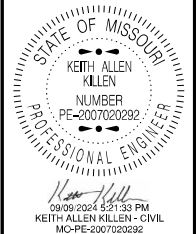
AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.000	4.648	41	2.0	82.0	PRIVATE AND FIELD ENTRANCES
0.000	4.648	11	4.0	44.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				126	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.000	0.009	50.00	1.00	VARIES	286	BEG PROJECT
4.639	4.648	50.00	1.00	VARIES	406	END PROJECT
SUBTOTAL					692	
SUBTOTAL					26	PAVED ENTRANCES
TOTAL					718	

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
0.000	4.648	4.65	150.0	60.0	
TOTAL			150	60	

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY	
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY	
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY	
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.	

MOBILIZATION	
1 LUMP SUM	



DATE PREPARED  
9/9/2024

ROUTE  
VAR.

DISTRICT  
NE

STATE  
MO

SHEET NO.  
3

COUNTY  
VARIOUS

JOB NO.  
JST0104

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

RTE EE  
RALLS COUNTY

SUMMARY OF QUANTITIES SHEET  
SHEET 5 OF 17

PAVEMENT MARKINGS							
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS				REMARKS
			4" YELLOW INTERMITTENT CENTERLINE (LF)	4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	4" WHITE SOLID EDGELINE (LF)	
0.000	0.060	RTE EE			634		
0.060	0.227	RTE EE		1102		SBL INTERMITTENT AND NBL SOLID	
0.227	0.426	RTE EE	270				
0.426	0.595	RTE EE		1115		SBL SOLID AND NBL INTERMITTENT	
0.595	0.634	RTE EE			412		
0.634	0.747	RTE EE		746		EBL INTERMITTENT AND WBL SOLID	
0.747	0.803	RTE EE			591		
0.803	0.862	RTE EE		389		EBL SOLID AND WBL INTERMITTENT	
0.862	0.918	RTE EE	80				
0.918	1.037	RTE EE		785		EBL INTERMITTENT AND WBL SOLID	
1.037	1.090	RTE EE	70				
1.090	1.259	RTE EE		1115		EBL SOLID AND WBL INTERMITTENT	
1.259	2.022	RTE EE			8057		
2.022	2.135	RTE EE		746		EBL INTERMITTENT AND WBL SOLID	
2.135	2.188	RTE EE			560		
2.188	2.301	RTE EE		746		EBL SOLID AND WBL INTERMITTENT	
2.301	2.430	RTE EE			1362		
2.430	2.595	RTE EE		1089		EBL INTERMITTENT AND WBL SOLID	
2.595	2.827	RTE EE	310				
2.827	3.005	RTE EE		1175		EBL SOLID AND WBL INTERMITTENT	
3.005	3.037	RTE EE			338		
3.037	3.206	RTE EE		1115		EBL INTERMITTENT AND WBL SOLID	
3.206	3.285	RTE EE	110				
3.285	3.456	RTE EE		1129		EBL SOLID AND WBL INTERMITTENT	
3.456	3.458	RTE EE			21		
3.458	3.629	RTE EE		1129		EBL INTERMITTENT AND WBL SOLID	
3.629	3.683	RTE EE	80				
3.683	3.821	RTE EE		911		EBL SOLID AND WBL INTERMITTENT	
3.821	3.857	RTE EE	50				
3.857	3.993	RTE EE		898		EBL INTERMITTENT AND WBL SOLID	
3.993	4.101	RTE EE	150				
4.101	4.236	RTE EE		891		EBL SOLID AND WBL INTERMITTENT	
4.236	4.269	RTE EE	50		348		
4.269	4.410	RTE EE		931		EBL INTERMITTENT AND WBL SOLID	
4.410	4.416	RTE EE	10				
4.416	4.583	RTE EE		1102		EBL SOLID AND WBL INTERMITTENT	
4.583	4.648	RTE EE			686		
0.000	4.648	RTE EE				EDGELINE	
		SUBTOTAL	1,180	17,114	13,009	49,083	
		TOTAL		31,303		49,083	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 5 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	6	96.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	10	160.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 9 TOTAL						
2	W020-1	48 X 48	16.00	9	144.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	9	144.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	9	144.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	9	13.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 0 TOTAL						
2	W020-1	48 X 48	16.00	0	0.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	0	0.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	0	0.00	PILOT CAR IN USE WAIT & FOLLOW
		TOTAL			1007.76	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM

REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS.

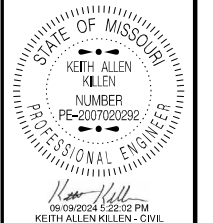
REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION.

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	UNIT	DESCRIPTION
616.99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES	
QTY.	DESCRIPTION
25	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY  
SEE LUMP SUM PAY ITEM



DATE PREPARED  
9/9/2024

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
NE	3

COUNTY  
VARIOUS

JOB NO.  
JST0104

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)

RTE EE  
RALLS COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 6 OF 17



1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)								
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	REMARKS
13.334	24.717	60102.24	1.00	21	140238.56	7588.5	11219.1	BEG OF PROJECT
24.717	24.726	50.00	1.00	VARIES	200.00	10.8	16.0	END PROJECT
13.334	24.726	60149.76	-	-	-	3417.6	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
13.334	24.726	60149.76	-	-	-	723.3	-	SAFETY EDGE/EDGE TREATMENT - 1 FT LEFT AND RIGHT (VARIES)
SUBTOTAL						11,740.2	11,235.1	
TOTAL						11,740	11,235	

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ. FT.)	QUANTITY	TOTAL AREA (SQ. FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 11 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	12	192.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	24	384.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 9 TOTAL						
2	W020-1	48 X 48	16.00	9	144.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	9	144.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	9	144.00	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	9	13.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 2 TOTAL						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	2	32.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	2	32.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	2	17.50	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					1441.26	
CONSTRUCTION SIGNS TOTAL (USE)					1442	

ITEM NO.	QTY.	DESCRIPTION
616-10.25	100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

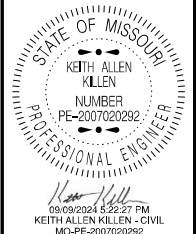
REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
13.334	24.726	11.39	360.0	150.0	
TOTAL			360	150	

AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
13.334	24.717	68	2.0	136.0	PRIVATE AND FIELD ENTRANCES
13.334	24.717	19	4.0	76.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				212	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
13.334	13.343	50.00	1.00	21	117	BEG OF PROJECT
24.717	24.726	50.00	1.00	VARIES	200	END PROJECT
SUBTOTAL					317	
TOTAL					317	

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

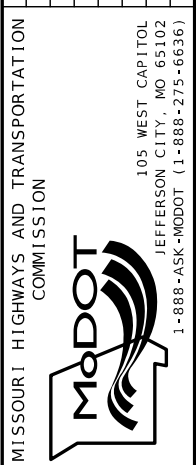
MOBILIZATION	
1	LUMP SUM



DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 3

COUNTY VARIOUS  
JOB NO. JST0104  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

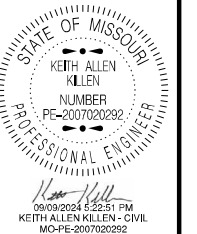
DESCRIPTION	DATE



RTE M MONROE COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 7 OF 17

PAVEMENT MARKINGS						
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS			REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	
13.330	13.419	RTE M			940	
13.419	13.618	RTE M		1,313		EB SOLID/WB INTERM
13.618	13.979	RTE M			3,812	
13.979	14.078	RTE M		653		EB INTERM/WB SOLID
14.078	14.139	RTE M			644	
14.139	14.258	RTE M		785		EB SOLID/WB INTERM
14.258	14.581	RTE M			3,411	
14.581	14.761	RTE M		1,188		EB INTERM/WB SOLID
14.761	14.824	RTE M	90			
14.824	15.000	RTE M		1,162		EB SOLID/WB INTERM
15.000	15.159	RTE M			1,679	
15.159	15.319	RTE M		1,056		EB INTERM/WB SOLID
15.319	15.379	RTE M	80			
15.379	15.498	RTE M		785		EB SOLID/WB INTERM
15.498	15.547	RTE M	70			
15.547	15.619	RTE M		475		EB INTERM/WB SOLID
15.619	15.663	RTE M			465	
15.663	15.780	RTE M		772		EB SOLID/WB INTERM
15.780	16.200	RTE M			4,435	
16.200	16.360	RTE M		1,056		EB INTERM/WB SOLID
16.360	16.460	RTE M				EB SOLID/WB INTERM
16.460	16.559	RTE M	140			
16.559	16.659	RTE M		660		EB INTERM/WB SOLID
16.659	16.759	RTE M		660		EB SOLID/WB INTERM
16.759	16.839	RTE M	110			
16.839	16.940	RTE M		667		EB INTERM/WB SOLID
16.940	19.323	RTE M	3,150			
19.323	19.459	RTE M		898		EB SOLID/WB INTERM
19.459	19.498	RTE M	60			
19.498	19.639	RTE M				EB INTERM/WB SOLID
19.639	19.779	RTE M	190			
19.779	19.920	RTE M		931		EB SOLID/WB INTERM
19.920	19.945	RTE M	40			
19.945	20.019	RTE M				EB INTERM/WB SOLID
20.019	20.085	RTE M			697	
20.085	20.139	RTE M		356		EB SOLID/WB INTERM
20.139	20.180	RTE M	60			
20.180	20.240	RTE M		396		EB INTERM/WB SOLID
20.240	20.300	RTE M			634	
20.300	20.419	RTE M		785		EB SOLID/WB INTERM
20.419	20.548	RTE M			1,362	
20.548	20.720	RTE M		1,135		EB INTERM/WB SOLID
20.720	20.820	RTE M	140			
20.820	20.920	RTE M		660		EB SOLID/WB INTERM
20.920	21.000	RTE M	110			
21.000	21.087	RTE M		574		EB INTERM/WB SOLID
21.087	21.238	RTE M	200			
21.238	21.388	RTE M		990		EB SOLID/WB INTERM
21.388	21.459	RTE M			750	
21.459	21.618	RTE M		1,049		EB SOLID/WB INTERM
21.618	21.648	RTE M			317	
21.648	21.819	RTE M		1,129		EB INTERM/WB SOLID
21.819	22.018	RTE M	270			
22.018	22.078	RTE M		396		EB SOLID/WB INTERM
22.078	22.198	RTE M	160			
22.198	22.299	RTE M		667		EB INTERM/WB SOLID
22.299	22.343	RTE M	60			
22.343	22.478	RTE M		891		EB SOLID/WB INTERM
22.478	22.518	RTE M	60			
22.518	22.700	RTE M		1,201		EB INTERM/WB SOLID
22.628	22.657	RTE M			306	
22.657	22.797	RTE M		924		EB SOLID/WB INTERM
22.797	23.258	RTE M			4,868	
23.258	23.418	RTE M		1,056		EB INTERM/WB SOLID
23.418	24.618	RTE M	1,590			
24.618	24.717	RTE M			1,045	
SUBTOTAL			6,580	25,270	25,365	
TOTAL				57,215		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING



DATE PREPARED  
**9/9/2024**

ROUTE STATE  
**VAR. MO**

DISTRICT SHEET NO.  
**NE 3**

COUNTY  
**VARIOUS**

JOB NO.  
**JST0104**

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)

RTE M  
MONROE COUNTY

SUMMARY OF QUANTITIES SHEET

SHEET 8 OF 17

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)								
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	REMARKS
0.000	2.379	12561.12	1.00	20	27914	1510.5	2233.1	END PROJECT
0.000	2.379	12561.12	-	-	-	713.7	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	2.379	12561.12	-	-	-	151.0	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						2,375.2	2,233.1	
TOTAL						2,375	2,233	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
2.370	2.379	50	1.00	20	111	BEG PROJECT
SUBTOTAL					111	
TOTAL					111	

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT						
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS	
0.000	2.379	2.38	80.0	30.0		
TOTAL			80	30		

PAVEMENT MARKINGS					
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS		REMARKS
			4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	
0.000	1.407	RTE 0		14858	
1.407	1.616	RTE 0	1379		EBL INTERMITTENT AND WBL SOLID
1.616	1.800	RTE 0	1214		EBL SOLID AND WBL INTERMITTENT
1.800	2.379	RTE 0		6114	
SUBTOTAL			2,593	20,972	
TOTAL			23,565		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.000	2.379	22	2.0	44.0	PRIVATE AND FIELD ENTRANCES
0.000	2.379	4	4.0	16.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
0.000	0.000	1	4.0	4.0	END PROJECT AGGREGATE WEDGE
TOTAL				64	

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	QTY.	DESCRIPTION
616.99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES	
QTY.	DESCRIPTION
25	CHANNELIZERS (TRIM-LINE)

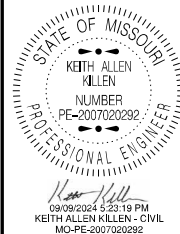
NOTE: FOR INFORMATIONAL PURPOSES ONLY.  
SEE LUMP SUM PAY ITEM

MOBILIZATION	
QTY.	DESCRIPTION
1 LUMP SUM	

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY	
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY	
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY	
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.	

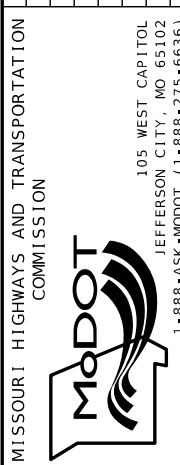
CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ. FT.)	QUANTITY	TOTAL AREA (SQ. FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 3 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	2	32.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	4	64.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 4 TOTAL						
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	4	64.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	4	6.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 0 TOTAL						
2	W020-1	48 X 48	16.00	0	0.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	0	0.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	0	0.00	PILOT CAR IN USE WAIT & FOLLOW
TOTAL					600.26	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM.  
REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS  
REFER TO STD. PLANS 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS  
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION



DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 3  
COUNTY VARIOUS  
JOB NO. JST0104  
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)  
RTE 0 RANDOLPH COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 9 OF 17

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)									
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL / SQ. YD. (GAL)	TACK COAT 0.10 GAL / SQ. YD. (GAL)	REMARKS
0.018	0.053	185	1.00	20	411	22	-	41	BEG PROJECT
0.053	0.055	11	-	-	-	-	-	-	RR CROSSING EXCEPTION
0.055	8.130	42636	1.00	20	94737	5126	7579	-	
8.130	8.906	4097	1.00	22	10014	542	801	-	
8.906	8.949	227	-	-	-	-	-	-	JUNCTION WITH RTE 107 EXCEPTION
8.949	9.402	2392	1.00	22	5847	316	468	-	END PROJECT
0.018	9.402	49548	-	-	-	2815	-	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.018	9.402	49548	-	-	-	596	-	-	SAFETY EDGE/EDGE TREATMENT- LEFT AND RIGHT
					SUBTOTAL	9,417.0	8,848.0	41.0	
					SUBTOTAL	18.0	29.0	-	PAVED ENTRANCES
					TOTAL	9,435	8,918		



DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 3  
COUNTY VARIOUS  
JOB NO. JST0104  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 10 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	12	192.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	22	352.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 14 TOTAL						
2	W020-1	48 X 48	16.00	14	224.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	14	224.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	14	224.00	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	14	21.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 2 TOTAL						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	2	32.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	2	32.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	2	17.50	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					1656.76	

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES						
LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL / SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
0.165	RT	86	4.7	7	86	CR 427
5.815	LT	43	2.3	4	43	PRIVATE ENTRANCE
7.974	RT	58	3.1	5	58	PUBLIC ENTRANCE
8.437	LT	58	3.1	5	58	PUBLIC ENTRANCE
9.062	RT	72	3.9	6	72	SHRINE RD.
9.283	LT	14	0.8	2	14	PRIVATE ENTRANCE
		SUBTOTAL	18	29	331	

AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH (TONS)	REMARKS
0.018	9.402	55	2.0	110.0	PRIVATE AND FIELD ENTRANCES
0.018	9.402	19	4.0	76.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
		TOTAL		186	

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
0.018	9.402	9.38	1050.0	420.0	
		TOTAL	1,050	420	

GUARDRAIL					
LOG MILE	LOG MILE	LOCATION	TYPE A CRASHWORTHY END TERMINAL (EACH)	SHAPING SLOPES CLASS III (100 FT)	REMARKS
3.300	3.722	RTE U	2	2	ASSUMING 50' CRASHWORTHY END TERMINALS (WB LANE)
3.334	3.700	RTE U	2	2	ASSUMING 50' CRASHWORTHY END TERMINALS (EB LANE)
6.238	6.500	RTE U	2	2	ASSUMING 50' CRASHWORTHY END TERMINALS (WB LANE)
6.252	6.515	RTE U	2	2	ASSUMING 50' CRASHWORTHY END TERMINALS (EB LANE)
		TOTAL	8	8	

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

MOBILIZATION	
1 LUMP SUM	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.055	0.064	50.00	1.00	20	111	RR TRANSITION
8.897	8.906	50.00	1.00	22	122	JUNCTION W/ RTE 107 APPROACH
8.949	8.958	50.00	1.00	22	122	JUNCTION W/ RTE 107 APPROACH
9.393	9.402	50.00	1.00	22	122	END PROJECT
					SUBTOTAL	477
					SUBTOTAL	331
					TOTAL	808

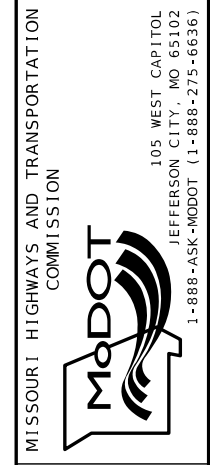
COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
0.018	0.053	185	1.00	20	411	BEGIN OF PROJECT
					TOTAL	411

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28 (SURFACE LEVELING) = 1.948 TON/CY	
TACK COAT (COLDMILLED SURFACE) = 0.10 GALLON / SY	
TACK COAT (EXISTING SURFACE) = 0.08 GALLON / SY	
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.	

TRAFFIC CONTROL DEVICES	
QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM

DESCRIPTION	DATE



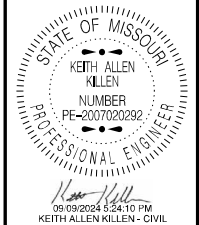
RTE U MONROE COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 10 OF 17

PAVEMENT MARKINGS						
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS			REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	
0.018	0.050	RTE U			338	
0.058	0.266	RTE U			2,196	
0.266	0.428	RTE U		1,069		EB INTERM / WB SOLID
0.428	1.028	RTE U	800			
1.028	1.187	RTE U		1,049		EB SOLID / WB SOLID
1.187	1.570	RTE U			4,044	
1.570	1.700	RTE U		858		EB INTERM / WB SOLID
1.700	1.743	RTE U			454	
1.743	1.856	RTE U		746		EB SOLID / WB SOLID
1.856	1.943	RTE U		574		EB INTERM / WB SOLID
1.943	2.009	RTE U			697	
2.009	2.091	RTE U		541		EB SOLID / WB SOLID
2.091	2.451	RTE U			3,802	
2.451	2.539	RTE U		581		EB INTERM / WB SOLID
2.539	2.601	RTE U			655	
2.601	2.687	RTE U		568		EB SOLID / WB SOLID
2.687	3.021	RTE U			3,527	
3.021	3.107	RTE U		568		EB INTERM / WB SOLID
3.107	3.161	RTE U			570	
3.161	3.409	RTE U		1,637		EB INTERM / WB SOLID
3.409	3.647	RTE U	320			
3.647	3.801	RTE U		1,016		EB SOLID / WB SOLID
3.801	4.377	RTE U			6,083	
4.377	4.514	RTE U		904		EB INTERM / WB SOLID
4.514	4.575	RTE U			644	
4.575	4.648	RTE U		482		EB SOLID / WB SOLID
4.648	4.675	RTE U	40			EB INTERM / WB SOLID
4.675	4.740	RTE U		429		EB SOLID / WB SOLID
4.740	4.807	RTE U			708	
4.807	4.897	RTE U		594		EB SOLID / WB SOLID
4.897	4.976	RTE U			834	
4.976	5.119	RTE U		944		EB INTERM / WB SOLID
5.119	5.154	RTE U			370	
5.154	5.266	RTE U		739		EB SOLID / WB SOLID
5.266	5.360	RTE U		620		EB INTERM / WB SOLID
5.360	5.435	RTE U			792	
5.435	5.526	RTE U		601		EB SOLID / WB SOLID
5.526	5.587	RTE U			644	
5.587	5.680	RTE U		614		EB INTERM / WB SOLID
5.680	5.751	RTE U			750	
5.751	5.831	RTE U		528		EB SOLID / WB SOLID
5.831	6.214	RTE U			4,044	
6.214	6.365	RTE U		997		EB INTERM / WB SOLID
6.365	6.427	RTE U	90			
6.427	6.568	RTE U		931		EB SOLID / WB SOLID
6.568	7.302	RTE U			7,751	
7.302	7.414	RTE U		739		EB INTERM / WB SOLID
7.414	7.474	RTE U			634	
7.474	7.571	RTE U		640		EB SOLID / WB SOLID
7.571	8.118	RTE U			5,776	
8.118	8.292	RTE U		1,148		EB INTERM / WB SOLID
8.292	8.330	RTE U	60			
8.330	8.486	RTE U		1,030		EB SOLID / WB SOLID
8.486	8.637	RTE U			1,595	
8.637	8.797	RTE U		1,056		EB INTERM / WB SOLID
8.797	8.883	RTE U	120			
8.883	8.922	RTE U			412	
8.932	9.402	RTE U			4,963	
0.018	9.402	RTE U				EDGE LINES
		SUBTOTAL	1,430	22,203	52,283	
		TOTAL		75,916		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

DURABLE INTERSECTION MARKING			
PERFORMED THERMOPLASTIC PAVEMENT MARKING			
LOG MILE	24" WHITE STOP BAR L.F.	RAILROAD CROSSING MARKER EACH	REMARKS
0.034	-	1	
0.045	10	-	
0.063	10	-	
0.134	-	1	
TOTAL	20	2	

REMOVAL OF IMPROVEMENTS		
LOG MILE	LOCATION	DESCRIPTION
3.300	RTE U - LT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
3.334	RTE U - RT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
3.700	RTE U - RT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
3.722	RTE U - LT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
6.238	RTE U - LT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
6.252	RTE U - RT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
6.500	RTE U - LT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
6.515	RTE U - RT	REMOVE TURNED DOWN SECTION AND GUARDRAIL
	1 LUMP SUM	



DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 3

COUNTY  
VARIOUS  
JOB NO.  
JST0104  
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)

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING) THICKNESS INCLUDES IRREGULARITIES								
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	REMARKS
0.000	3.467	18305.76	1.00	19	38645	2091.1	3091.6	
3.467	3.478	58.08	1.00	VARIES	344	18.6	27.5	END PROJECT
0.000	3.478	18363.84	-	-	-	1043.4	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	3.478	18363.84	-	-	-	220.8	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						3,373.9	3,119.1	
TOTAL						3,374	3,119	

<b>MOBILIZATION</b>
1 LUMP SUM

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
3.467	3.478	58	1.00	VARIES	344	END PROJECT
SUBTOTAL					344	
TOTAL					344	

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ. FT.)	QUANTITY	TOTAL AREA (SQ. FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 4 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	4	64.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	8	128.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 5 TOTAL						
2	W020-1	48 X 48	16.00	5	80.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	5	80.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	5	80.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	5	7.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 0 TOTAL						
2	W020-1	48 X 48	16.00	0	0.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	0	0.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	0	0.00	PILOT CAR IN USE WAIT & FOLLOW
TOTAL					745.76	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM.  
REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS.  
REFER TO STD. PLANS 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.  
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION.

AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.000	3.478	23	2.0	46.0	PRIVATE AND FIELD ENTRANCES
0.000	3.478	3	4.0	12.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
0.000	3.478	1	4.0	4.0	BEGIN PROJECT AGGREGATE WEDGE
TOTAL				62.0	

TRAFFIC CONTROL DEVICES	
QTY.	DESCRIPTION
25	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.  
SEE LUMP SUM PAY ITEM.

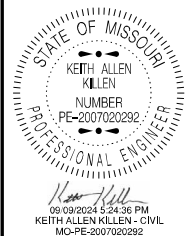
LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	QTY.	DESCRIPTION
616.99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

ESTIMATE FACTORS	
PROVIDED FOR INFORMATIONAL PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY	
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY	
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY	
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.	

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
0.000	3.478	3.48	110.0	40.0	
TOTAL			110	40	

PAVEMENT MARKINGS					
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS		REMARKS
			4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	
0.000	0.257	RTE U		2714	
0.257	0.443	RTE U	1228		EBL INTERMITTENT AND WBL SOLID
0.443	0.454	RTE U		116	
0.454	0.596	RTE U	937		EBL SOLID AND WBL INTERMITTENT
0.596	2.358	RTE U		18607	
2.358	2.444	RTE U	568		EBL SOLID AND WBL INTERMITTENT
2.444	2.597	RTE U		1616	
2.597	2.681	RTE U	554		EBL SOLID AND WBL INTERMITTENT
2.681	3.478	RTE U		8416	
SUBTOTAL			3,287	31,469	
TOTAL				34,756	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING



DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 3  
COUNTY VARIOUS  
JOB NO. JST0104  
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)

RTE U  
RANDOLPH COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 12 OF 17

QUANTITY TOTALS SUMMARY

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT		
RTE	ITEM # 402-99.10 (TONS)	ITEM # 622-99.05 (SQ. YD.)
RTE C	2120	850
RTE CC	200	80
RTE EE	150	60
RTE M	360	150
RTE O	80	30
RTE U - MONROE	1050	420
RTE U - RANDOLPH	110	40
<b>TOTAL</b>	<b>4,070</b>	<b>1,630</b>

PAVEMENT MARKINGS			
RTE	LENGTH (MILES)	STANDARD WATERBORNE PAINT, TYPE P BEADS	
		4" YELLOW CENTERLINE L.F.	4" WHITE SOLID EDGE LINE L.F.
RTE C	18.882	139,282	72,728
RTE CC	6.104	27,742	0
RTE EE	4.648	31,303	49,083
RTE M	11.392	57,215	0
RTE O	2.379	23,565	0
RTE U - MONROE	9.384	75,916	0
RTE U - RANDOLPH	3.478	34,756	0
<b>TOTAL</b>		<b>389,779</b>	<b>121,811</b>

AGGREGATE ENTRANCES	
RTE	GRAVEL A, CRUSHED STONE B (0.039 TON/SY/INCH) TONS
RTE C	310.0
RTE CC	92.0
RTE EE	126.0
RTE M	212.0
RTE O	64.0
RTE U - MONROE	186.0
RTE U - RANDOLPH	62.0
<b>TOTAL</b>	<b>1052</b>

TACK COAT		
RTE	LENGTH (MI)	TACK COAT (GAL)
RTE C	18.882	18636
RTE CC	6.104	6064
RTE EE	4.648	4839
RTE M	11.392	11235
RTE O	2.379	2233
RTE U - MONROE	9.384	8918
RTE U - RANDOLPH	3.478	3119
	<b>TOTAL</b>	<b>55,044</b>
	USE	55,044

GUARDRAIL			
RTE (COUNTY)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	SHAPING SLOPES CLASS III (STA) (STA)	REMARKS
U - MONROE	8	8	
<b>TOTAL</b>	<b>8</b>	<b>8</b>	

DURABLE INTERSECTION MARKING			
PREFORMED THERMOPLASTIC PAVEMENT MARKING			
RTE (COUNTY)	24" WHITE STOP BAR L.F.	RAILROAD CROSSING MARKER EACH	REMARKS
U - MONROE	20	2	
<b>TOTAL</b>	<b>20</b>	<b>2</b>	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)		
RTE	WIDTH (FT)	MODIFIED COLDMILLING (SY)
RTE C	VARIES	2019
RTE CC	VARIES	312
RTE EE	VARIES	718
RTE M	VARIES	317
RTE O	20'	111
RTE U - MONROE	VARIES	808
RTE U - RANDOLPH	VARIES	344
<b>TOTAL</b>		<b>4,629</b>

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)					
RTE (COUNTY)	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
RTE U - MONROE	185.00	1.00	20	411	
<b>TOTAL</b>				<b>411</b>	

REMOVAL OF IMPROVEMENTS	
LOCATION	DESCRIPTION
RTE U - MONROE	REMOVE BLUNT END SECTION AND GUARDRAIL - RIGHT AND LEFT
<b>TOTAL</b>	<b>1 LUMP SUM</b>

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

MOBILIZATION
1 LUMP SUM



DATE PREPARED  
9/18/2024  
ROUTE  
VAR. MO  
DISTRICT SHEET NO.  
NE 3

COUNTY  
VARIOUS  
JOB NO.  
JST0104  
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)

RTE C, CC, EE, M,  
O, U(MONROE), U(RANDOLPH)  
VARIOUS COUNTIES  
**SUMMARY OF QUANTITIES SHEET**  
 SHEET 13 OF 17

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL / SQ. YD. (GAL)	REMARKS
0.021	0.747	3833	1.00	22	9369	507	750	BEGIN OF PROJECT
0.747	0.749	10.6	-	-	-	-	-	RR CROSSING EXCEPTION
0.749	2.670	10143	1.00	22	24792	1342	1983	
2.670	6.859	22118	1.00	21	51604	2792	4128	END OF PROJECT
0.021	6.859	36105	-	-	-	2051	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.021	6.859	36105	-	-	-	434	-	SAFETY EDGE/EDGE TREATMENT- LEFT AND RIGHT
					SUBTOTAL	7,126.0	6,861.0	
					SUBTOTAL	30	53	PAVED ENTRANCES
					TOTAL	7,156	6,914	

**ESTIMATE FACTORS**  
 PROVIDED FOR INFORMATION PURPOSES ONLY  
 BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY  
 TACK COAT (EXISTING SURFACE) = 0.08 GALLON / SY  
 GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.

**MOBILIZATION**  
 1 LUMP SUM



DATE PREPARED  
 9/9/2024  
 ROUTE VAR. MO  
 DISTRICT NE SHEET NO. 3

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.021	0.030	50.00	1.00	22	122	BEGIN PROJECT
0.738	0.747	50.00	1.00	22	122	RR TRANSITION
0.749	0.758	50.00	1.00	22	122	RR TRANSITION
					SUBTOTAL	366
					SUBTOTAL	553
					TOTAL	919

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIZE INCHES	AREA (SQ. FT.)	QUANTITY	TOTAL AREA (SQ. FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 7 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	8	128.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	14	224.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)

SIDE ROAD PACKAGE - NON-STATE ROUTE - 18 TOTAL

2	W020-1	48 X 48	16.00	18	288.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	18	288.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	18	288.00	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	18	27.00	PILOT CAR IN USE WAIT & FOLLOW

SIDE ROAD PACKAGE - STATE ROUTE - 0 TOTAL

2	W020-1	48 X 48	16.00	0	0.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	0	0.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	0	0.00	PILOT CAR IN USE WAIT & FOLLOW

CONSTRUCTION SIGNS TOTAL 1549.26

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM  
 REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS  
 REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS  
 MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES

LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL / SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
0.125	RT	32	1.7	3	32	CR 427
0.185	RT	33	1.8	3	33	FRANKLIN DR.
0.275	RT	37	2.0	3	37	RIVERS DR.
0.429	RT	19	1.0	2	19	PRIVATE ENTRANCE
0.455	RT	38	2.1	4	38	FRIENDSHIP DR.
0.472	RT	17	0.9	2	17	PRIVATE ENTRANCE
0.779	LT	110	6.0	9	110	SNYDER DR.
3.155	LT	19	1.0	2	19	PRIVATE ENTRANCE
3.905	LT	21	1.1	2	21	PRIVATE ENTRANCE
4.025	LT	14	0.8	2	14	PRIVATE ENTRANCE
4.273	RT	16	0.9	2	16	PRIVATE ENTRANCE
4.510	RT	16	0.9	2	16	PRIVATE ENTRANCE
4.562	LT	22	1.2	2	22	PRIVATE ENTRANCE
4.563	RT	17	0.9	2	17	PRIVATE ENTRANCE
4.585	RT	19	1.0	2	19	PRIVATE ENTRANCE
5.539	RT	47	2.5	4	47	PRIVATE ENTRANCE
5.907	LT	33	1.8	3	33	PRIVATE ENTRANCE
5.953	LT	19	1.0	2	19	PRIVATE ENTRANCE
6.301	RT	24	1.3	2	24	PRIVATE ENTRANCE
		SUBTOTAL	30	53	553	

AGGREGATE ENTRANCES

LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH (TONS)	REMARKS
0.021	6.859	76	2.0	152.0	PRIVATE AND FIELD ENTRANCES
0.021	6.859	24	4.0	96.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
0.021	6.859	21	2.0	42.0	MAILBOXES
		TOTAL		290	

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

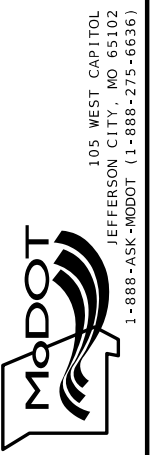
NOTE: FOR INFORMATIONAL PURPOSES ONLY.  
 SEE LUMP SUM PAY ITEM

ADD ALTERNATE - "A" - RTE JJ

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



RTE JJ AUDRAIN COUNTY

SUMMARY OF QUANTITIES SHEET SHEET 14 OF 17



PAVEMENT MARKINGS							
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS				REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	4" WHITE SOLID EDGE LINE L.F.	
0.021	0.607	RTE JJ	780				
0.058	0.742	RTE JJ		4,514			SB SOLID / NB INTERM
0.753	0.882	RTE JJ		851			SB INTERM / NB INTERM
0.882	0.940	RTE JJ	80				
0.940	1.119	RTE JJ			1,890		SB SOLID / NB INTERM
1.119	1.282	RTE JJ			1,721		
1.282	1.456	RTE JJ		1,148			SB INTERM / NB INTERM
1.456	1.930	RTE JJ	630				
1.930	2.100	RTE JJ		1,122			SB SOLID / NB INTERM
2.100	2.127	RTE JJ			285		
2.127	2.213	RTE JJ		568			SB INTERM / NB INTERM
2.213	2.300	RTE JJ			919		
2.300	2.387	RTE JJ		574			SB SOLID / NB INTERM
2.387	2.746	RTE JJ			3,791		
2.746	2.820	RTE JJ		488			SB INTERM / NB INTERM
2.820	2.919	RTE JJ			1,045		
2.919	2.987	RTE JJ		449			SB SOLID / NB INTERM
2.987	3.778	RTE JJ			8,353		
3.778	3.899	RTE JJ		799			SB INTERM / NB INTERM
3.899	3.999	RTE JJ			1,056		
3.999	4.066	RTE JJ		442			SB SOLID / NB INTERM
4.066	4.570	RTE JJ			5,322		
4.570	4.725	RTE JJ		1,023			SB INTERM / NB INTERM
4.725	4.751	RTE JJ	40				
4.751	4.918	RTE JJ		1,102			SB SOLID / NB INTERM
4.918	5.037	RTE JJ			1,257		
5.037	5.201	RTE JJ		1,082			SB INTERM / NB INTERM
5.201	5.325	RTE JJ	170				
5.325	5.516	RTE JJ		1,261			SB SOLID / NB INTERM
5.516	5.525	RTE JJ			95		
5.525	5.683	RTE JJ		1,043			SB INTERM / NB INTERM
5.683	5.748	RTE JJ	90				
5.748	5.925	RTE JJ		1,168			SB SOLID / NB INTERM
5.925	5.942	RTE JJ			180		
5.942	6.116	RTE JJ		1,148			SB INTERM / NB INTERM
6.116	6.157	RTE JJ	60				
6.157	6.323	RTE JJ		1,096			SB SOLID / NB INTERM
6.323	6.441	RTE JJ			1,246		
6.441	6.566	RTE JJ		825			SB INTERM / NB INTERM
6.566	6.621	RTE JJ			581		
6.621	6.719	RTE JJ		647			SB SOLID / NB INTERM
6.719	6.859	RTE JJ					SB INTERM / NB INTERM
0.021	6.859	RTE JJ				72,209	EDGE LINES
0.021	6.859	RTE JJ				21	EDGE LINE EXCEPTIONS
		SUBTOTAL	1,850	21,350	27,741	72,188	
		TOTAL		50,941		72,188	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

DURABLE INTERSECTION MARKING			
PREFORMED THERMOPLASTIC PAVEMENT MARKING			
LOG MILE	24" WHITE STOP BAR L.F.	RAILROAD CROSSING MARKER EACH	REMARKS
0.622	-	1	
0.740	11	-	
0.755	11	-	
0.873	-	1	
TOTAL	22	2	

ADD ALTERNATE - "A" - RTE JJ



DATE PREPARED  
9/9/2024

ROUTE VAR. STATE MO  
DISTRICT NE SHEET NO. 3

COUNTY VARIOUS

JOB NO. JST0104

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)

RTE JJ  
AUDRAIN COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 15 OF 17

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)								
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	REMARKS
0.016	4.641	24420.00	1.00	21	56980.00	3083.3	4558.4	BEG PROJECT
4.641	4.661	105.60	-	-	-	-	-	BRIDGE B0176 EXCEPTION
4.661	10.035	28374.72	1.00	21	66207.68	3582.6	5296.6	
10.035	10.038	15.84	-	-	-	-	-	R.R. EXCEPTION
10.038	11.944	10063.68	1.00	21	23481.92	1270.6	1878.6	
11.944	11.953	47.52	1.00	VARIES	375.00	20.3	30.0	END PROJECT
0.000	11.953	63111.84	-	-	-	3585.9	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	11.953	63111.84	-	-	-	758.9	-	SAFETY EDGE/EDGE TREATMENT - 1 FT LEFT AND RIGHT (VARIES)
					SUBTOTAL	12,301.6	11,763.6	
					SUBTOTAL	16.8	24.8	JUNCTION W/ RTE NN
					TOTAL	12,318	11,788	

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ. FT.)	QUANTITY	TOTAL AREA (SQ. FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 12 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	12	192.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	24	384.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 9 TOTAL						
2	W020-1	48 X 48	16.00	9	144.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	9	144.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	9	144.00	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	9	13.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 2 TOTAL						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	2	32.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	2	32.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	2	17.50	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					1441.26	
CONSTRUCTION SIGNS TOTAL (USE)					1442	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

ITEM NO.	QTY.	DESCRIPTION
616-10.25	100	CHANNELIZERS (TRIM-LINE)

LUMP SUM TEMPORARY TRAFFIC CONTROL		
ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

MOBILIZATION	
1	LUMP SUM

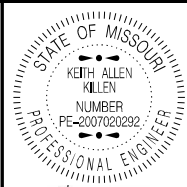
ADD ALTERNATE - "B" - RTE Y

REMOVAL AND REPLACEMENT OF DAMAGED PAVEMENT					
LOG MILE	LOG MILE	LENGTH (MI)	REMOVAL OF DAMAGED PAVEMENT (SQ. YD.)	REPLACEMENT OF DAMAGED PAVEMENT (TONS)	REMARKS
0.016	11.953	11.94	1340.0	540.0	
		TOTAL	1,340	540	

AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.016	11.953	123	2.0	246.0	PRIVATE AND FIELD ENTRANCES
0.016	11.953	19	4.0	76.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
		TOTAL		322.0	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.016	0.025	50.00	1.00	21	117	BEGIN PROJECT
4.632	4.641	50.00	1.00	21	117	MODIFIED COLDMILLING TO BRIDGE B0176 EXCEPTION
4.661	4.670	50.00	1.00	21	117	MODIFIED COLDMILLING FROM BRIDGE B0176 EXCEPTION
3.920	-	50.00	1.00	VARIES	24	RTE NN
10.026	10.035	50.00	1.00	21	117	MODIFIED COLDMILLING TO R.R. EXCEPTION
10.038	10.047	50.00	1.00	21	117	MODIFIED COLDMILLING FROM R.R. EXCEPTION
11.944	11.953	50.00	1.00	VARIES	375	END PROJECT
		SUBTOTAL			984	
		TOTAL			984	

DURABLE INTERSECTION MARKING			
PREFORMED THERMOPLASTIC PAVEMENT MARKING			
LOG MILE	24" WHITE STOP BAR L.F.	RAILROAD CROSSING MARKER EACH	REMARKS
9.917	-	1	
10.030	11	-	
10.042	11	-	
10.152	-	1	
TOTAL	22	2	



DATE PREPARED  
9/9/2024  
ROUTE  
VAR. MO  
DISTRICT  
NE 3

COUNTY  
VARIOUS  
JOB NO.  
JST0104  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

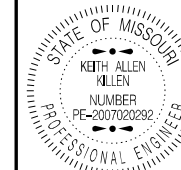
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

RTE Y  
AUDRAIN/MONROE COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 16 OF 17

PAVEMENT MARKINGS						
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS			REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	
0.007	0.059	RTE Y			549	
0.059	0.139	RTE Y	110			
0.139	0.299	RTE Y		1,056		SB SOLID/NB INTERM
0.299	0.858	RTE Y			5,903	
0.858	1.038	RTE Y		1,188		NB SOLID/SB INTERM
1.038	1.398	RTE Y	480			
1.398	1.577	RTE Y		1,181		SB SOLID/NB INTERM
1.577	2.001	RTE Y			4,477	
2.001	2.121	RTE Y				NB SOLID/SB INTERM
2.121	2.161	RTE Y			422	
2.161	2.301	RTE Y		924		SB SOLID/NB INTERM
2.301	2.401	RTE Y			1,056	
2.401	2.482	RTE Y		535		NB SOLID/SB INTERM
2.482	2.567	RTE Y			898	
2.567	2.622	RTE Y		363		SB SOLID/NB INTERM
2.622	2.962	RTE Y			3,590	
2.962	3.085	RTE Y		812		NB SOLID/SB INTERM
3.085	3.248	RTE Y		1,076		SB SOLID/NB INTERM
3.248	3.278	RTE Y	40			
3.278	3.418	RTE Y		924		SB SOLID/NB INTERM
3.418	3.805	RTE Y	520			
3.805	3.957	RTE Y				SB SOLID/NB INTERM
3.957	3.999	RTE Y			444	
3.999	4.086	RTE Y		574		NB SOLID/SB INTERM
4.086	4.161	RTE Y			792	
4.161	4.235	RTE Y		488		SB SOLID/NB INTERM
4.235	4.340	RTE Y			1,109	
4.340	4.518	RTE Y		1,175		NB SOLID/SB INTERM
4.518	4.564	RTE Y	70			
4.564	4.699	RTE Y		891		SB SOLID/NB INTERM
4.699	5.174	RTE Y			5,016	
5.174	5.337	RTE Y		1,076		NB SOLID/SB INTERM
5.337	5.422	RTE Y	120			
5.422	5.536	RTE Y		752		SB SOLID/NB INTERM
5.536	5.592	RTE Y	80			
5.592	5.722	RTE Y				NB SOLID/SB INTERM
5.722	5.880	RTE Y	210			
5.880	6.020	RTE Y		924		SB SOLID/NB INTERM
6.020	6.061	RTE Y	60			
6.061	6.115	RTE Y		356		NB SOLID/SB INTERM
6.115	6.237	RTE Y			1,288	
6.237	6.303	RTE Y		436		SB SOLID/NB INTERM
6.303	6.344	RTE Y			433	
6.344	6.497	RTE Y		1,010		NB SOLID/SB INTERM
6.497	6.644	RTE Y		970		SB SOLID/NB INTERM
6.644	6.744	RTE Y			1,056	
6.744	6.841	RTE Y		640		NB SOLID/SB INTERM
6.841	6.906	RTE Y			686	
6.906	7.030	RTE Y		818		SB SOLID/NB INTERM
7.030	7.107	RTE Y			813	
7.107	7.283	RTE Y		1,162		NB SOLID/SB INTERM
7.283	7.378	RTE Y	130			
7.378	7.482	RTE Y		686		SB SOLID/NB INTERM
7.482	7.560	RTE Y	110			
7.560	7.654	RTE Y		620		NB SOLID/SB INTERM
7.654	7.799	RTE Y	200			
7.799	7.971	RTE Y		1,135		SB SOLID/NB INTERM
7.971	8.932	RTE Y			10,148	
8.932	9.092	RTE Y		1,056		NB SOLID/SB INTERM
9.092	9.192	RTE Y		660		SB SOLID/NB INTERM
9.192	9.293	RTE Y	140			
9.293	9.413	RTE Y		792		NB SOLID/SB INTERM
9.413	9.552	RTE Y	820			
9.552	9.713	RTE Y		1,063		SB SOLID/NB INTERM
9.713	10.218	RTE Y			5,333	
10.218	10.383	RTE Y		1,089		NB SOLID/SB INTERM
10.383	10.419	RTE Y	50			
10.419	10.578	RTE Y		1,049		SB SOLID/NB INTERM
10.578	10.737	RTE Y			1,679	
10.737	10.898	RTE Y		1,063		NB SOLID/SB INTERM
10.898	11.017	RTE Y	160			
11.017	11.177	RTE Y		1,056		SB SOLID/NB INTERM
11.177	11.538	RTE Y			3,812	
11.538	11.696	RTE Y		1,043		NB SOLID/SB INTERM
11.696	11.896	RTE Y	270			
11.896	11.945	RTE Y			517	
SUBTOTAL			3,570	30,643	50,021	
TOTAL				84,234		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

ADD ALTERNATE - "B" - RTE Y



DATE PREPARED  
9/9/2024

ROUTE VAR. STATE MO  
DISTRICT NE SHEET NO. 3

COUNTY VARIOUS

JOB NO. JST0104

CONTRACT ID.

PROJECT NO.

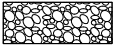

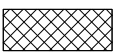
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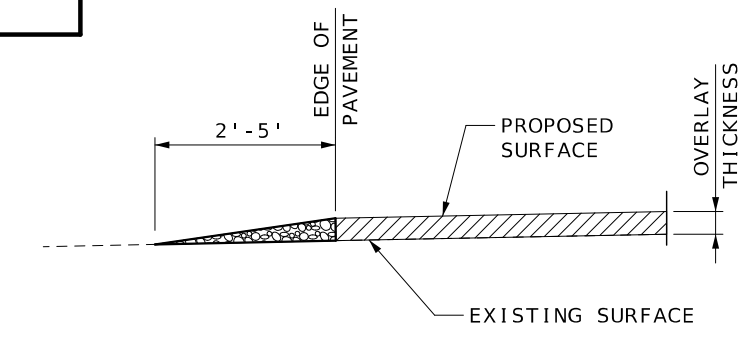
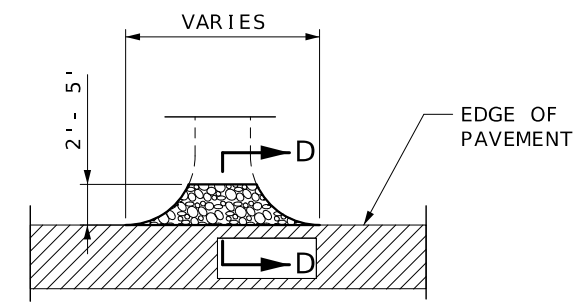
DATE	DESCRIPTION



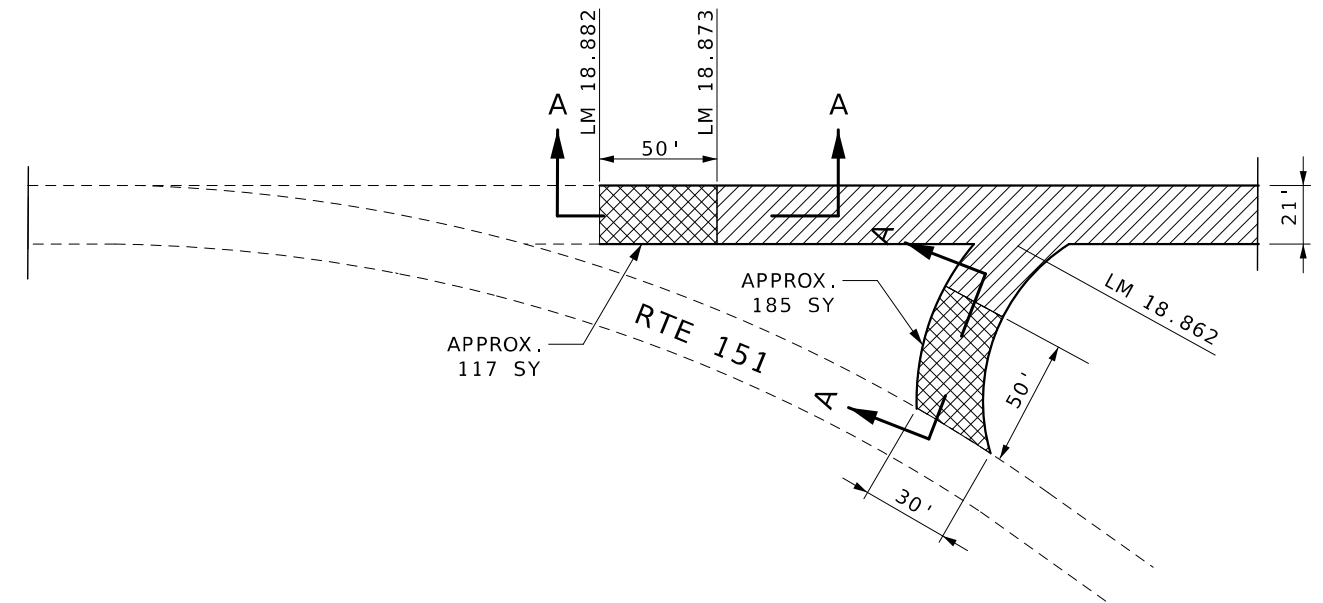
RTE Y  
AUDRAIN/MONROE COUNTY  
SUMMARY OF QUANTITIES SHEET  
SHEET 17 OF 17

### LEGEND

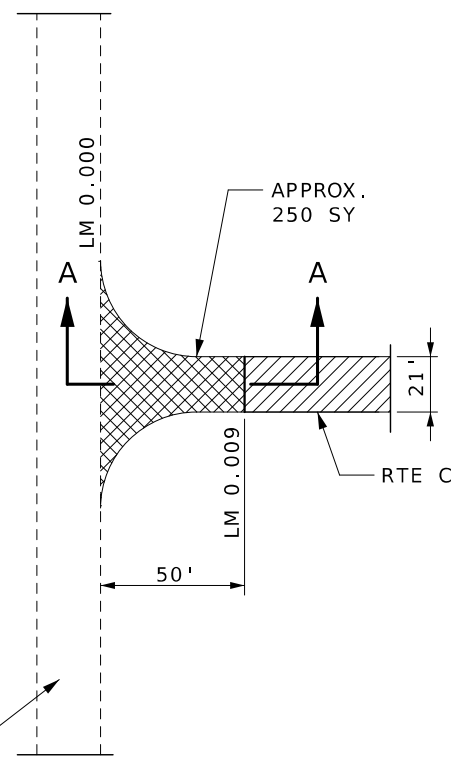
	GRAVEL OR CRUSHED STONE
	OVERLAY
	MODIFIED COLDMILLING



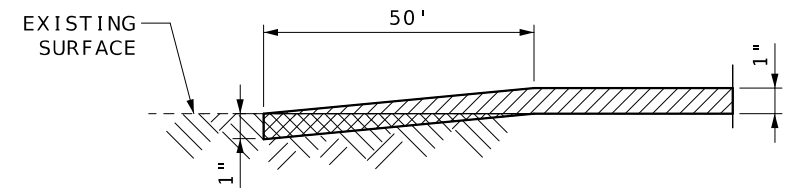
**SECTION D-D**  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)



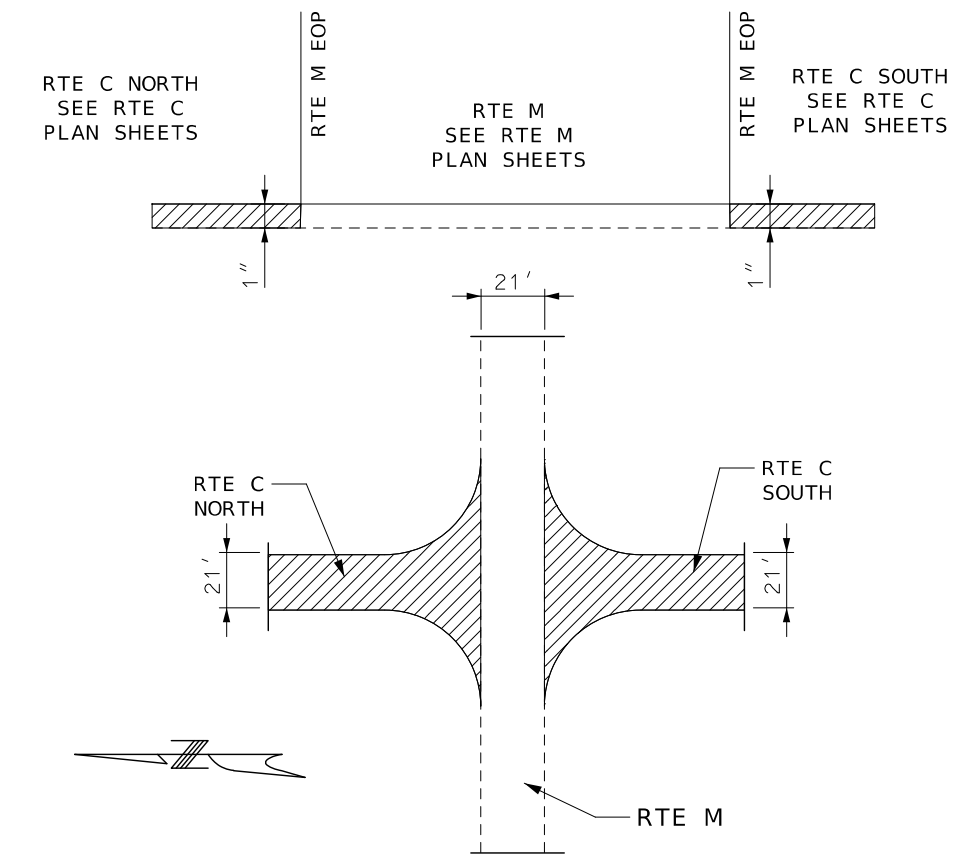
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LM 18.882





**BEGIN PROJECT**  
LM 0.000

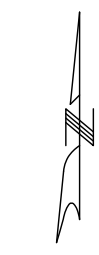


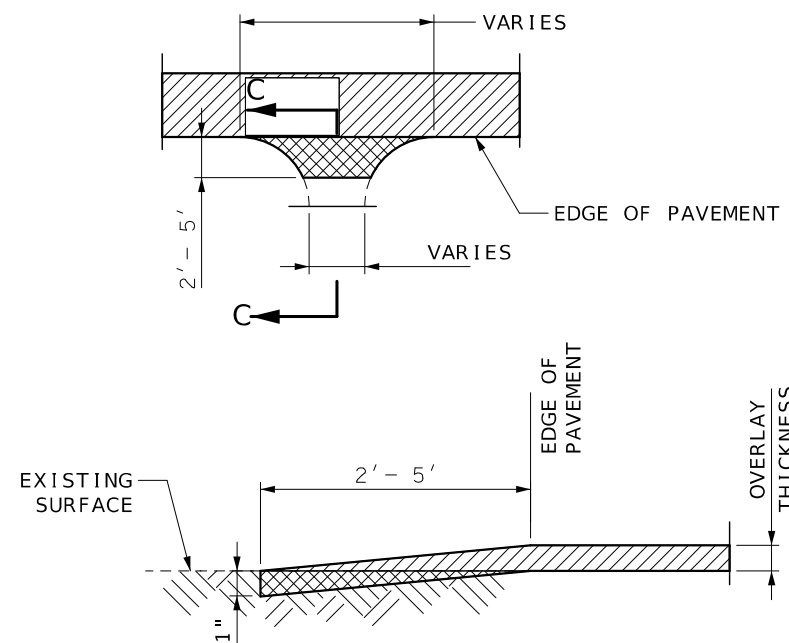
**SECTION A-A**



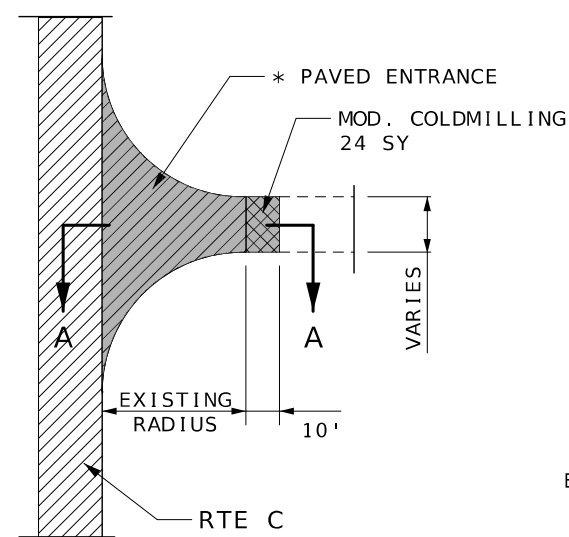
**RTE M INTERSECTION**  
LM 8.964

 KEITH ALLEN KELLEN NUMBER PE-2007020292 DATE PREPARED 9/9/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 4
COUNTY VARIOUS	
JOB NO. JST0104	
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)	
<b>RTE C</b> <b>AUDRAIN/MONROE COUNTY</b> <b>SPECIAL SHEET</b> SHEET 1 OF 15 NOT TO SCALE	



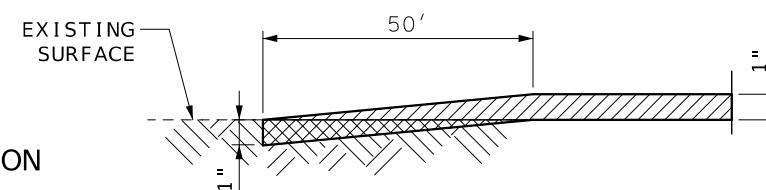


SECTION C-C  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(COUNTY ROADS, CITY STREETS AND PRIVATE OR COMMERCIAL ENTRANCES)



TYPICAL STATE/COUNTY ROUTE JUNCTION

- \* RTE C SPUR/LM 3.438/275 SY
- \* RTE CC/LM 11.990/275 SY
- \* RTE T/LM 16.148/325 SY



SECTION A-A

LEGEND	
	GRAVEL OR CRUSHED STONE
	OVERLAY
	MODIFIED COLDMILLING



DATE PREPARED  
9/9/2024

ROUTE STATE  
VAR. MO

DISTRICT SHEET NO.  
NE 5

COUNTY  
VARIOUS

JOB NO.  
JST0104

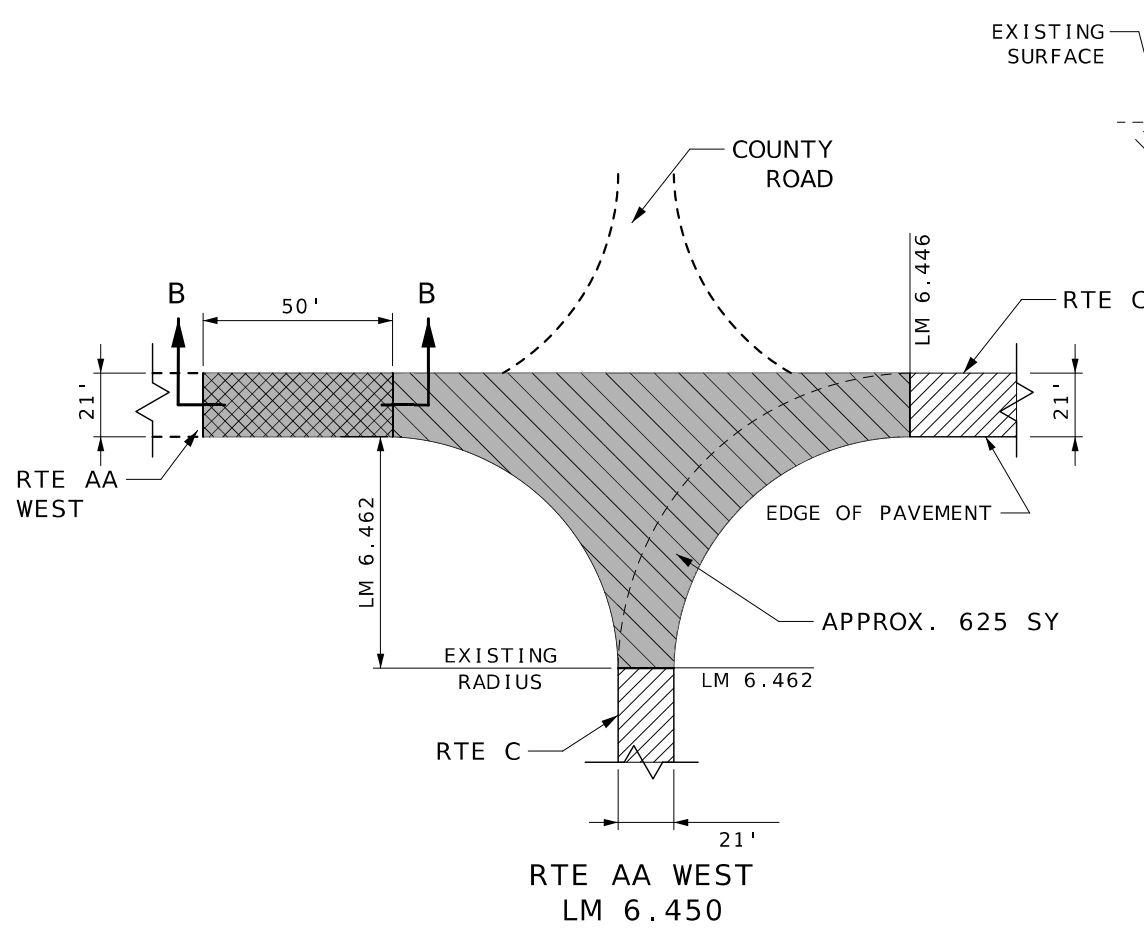
CONTRACT ID.

PROJECT NO.

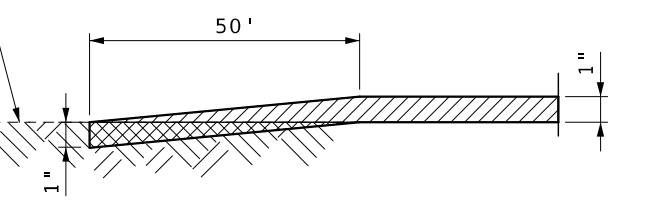
BRIDGE NO.

DESCRIPTION

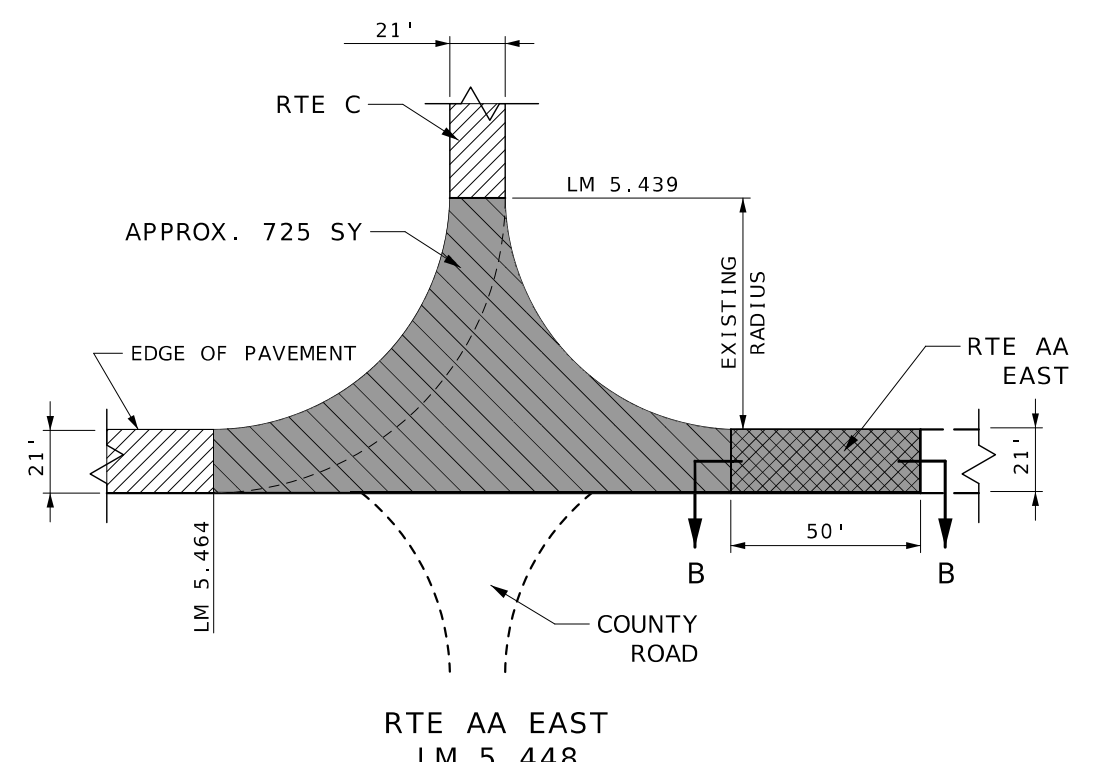
DATE



RTE AA WEST  
LM 6.450



SECTION B-B



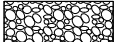


RTE AA EAST  
LM 5.448

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

RTE C  
AUDRAIN/MONROE COUNTY  
SPECIAL SHEET  
SHEET 2 OF 15  
NOT TO SCALE



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

LEGEND	
	GRAVEL OR CRUSHED STONE
	OVERLAY
	MODIFIED COLDMILLING



DATE PREPARED  
9/9/2024

ROUTE VAR. STATE MO

DISTRICT NE SHEET NO. 6

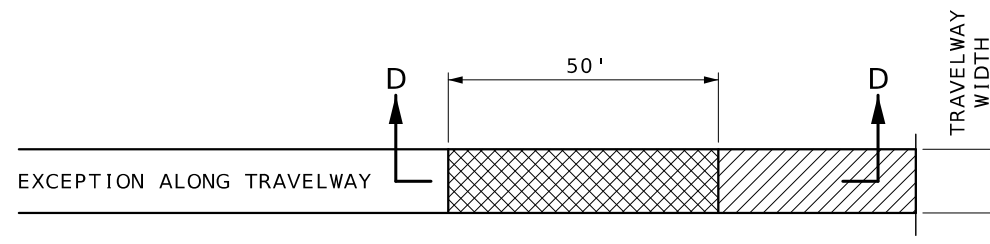
COUNTY VARIOUS

JOB NO. JST0104

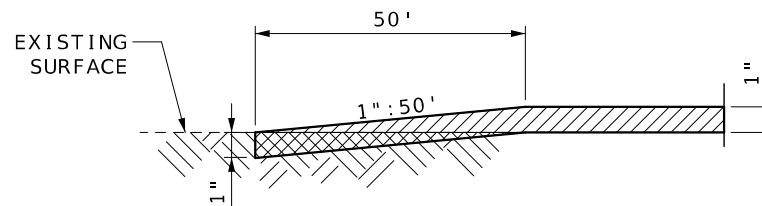
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

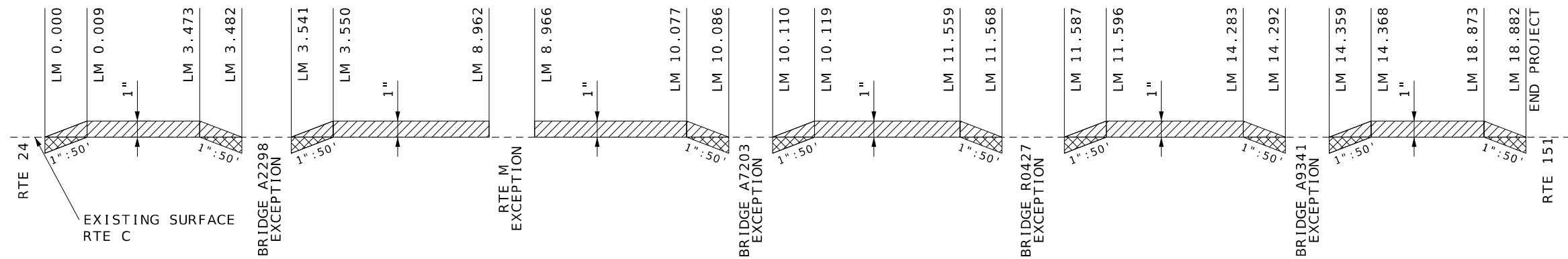


- BRIDGE EXCEPTIONS**  
 BRIDGE A2298 LM 3.477  
 BRIDGE A7203 LM 10.098  
 BRIDGE R0427 LM 11.579  
 BRIDGE A9341 LM 14.329



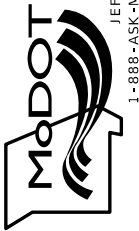
SECTION D-D

DATE	DESCRIPTION



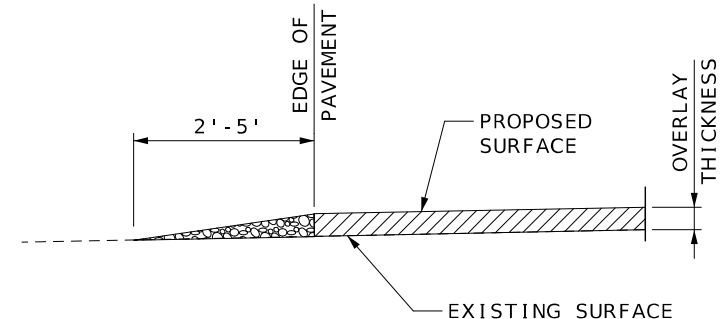
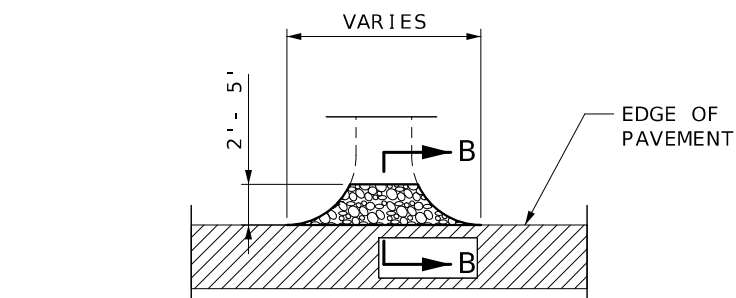
LONGITUDINAL TRAVELWAY  
DEPTH TRANSITION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

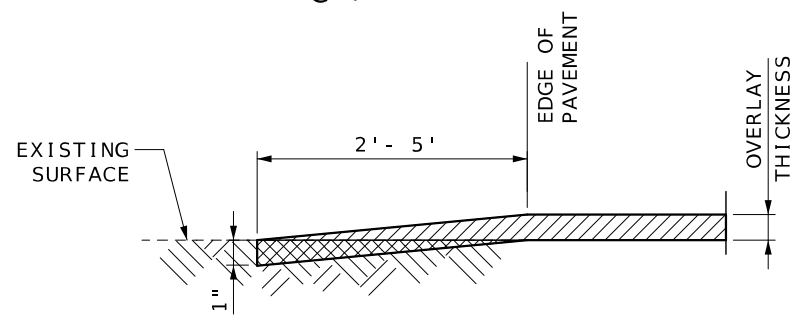
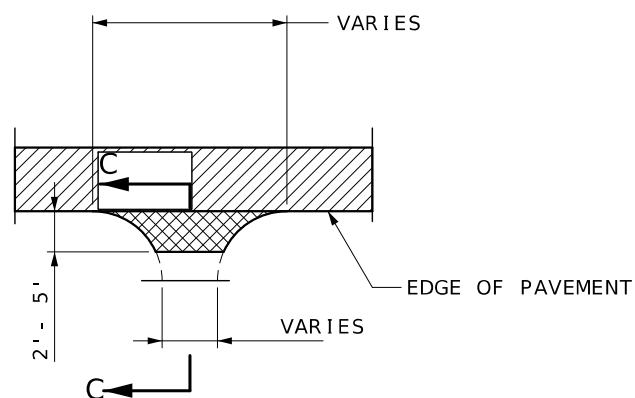


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

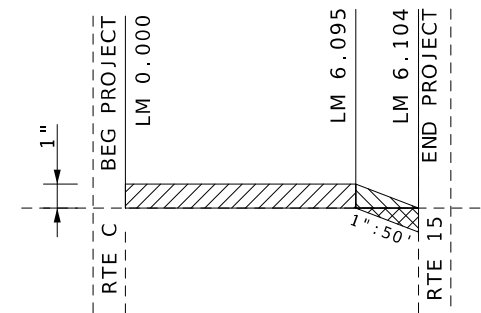
RTE C  
AUDRAIN/MONROE COUNTY  
**SPECIAL SHEET**  
SHEET 3 OF 15  
NOT TO SCALE



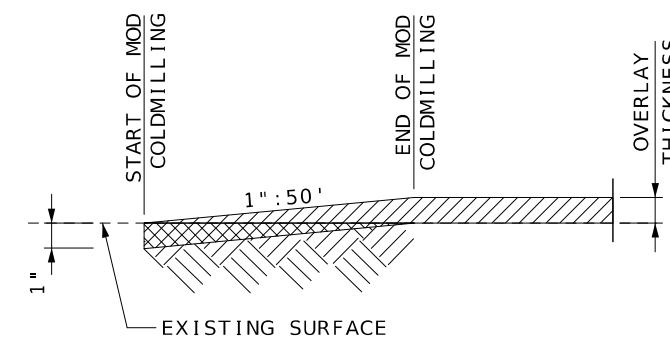
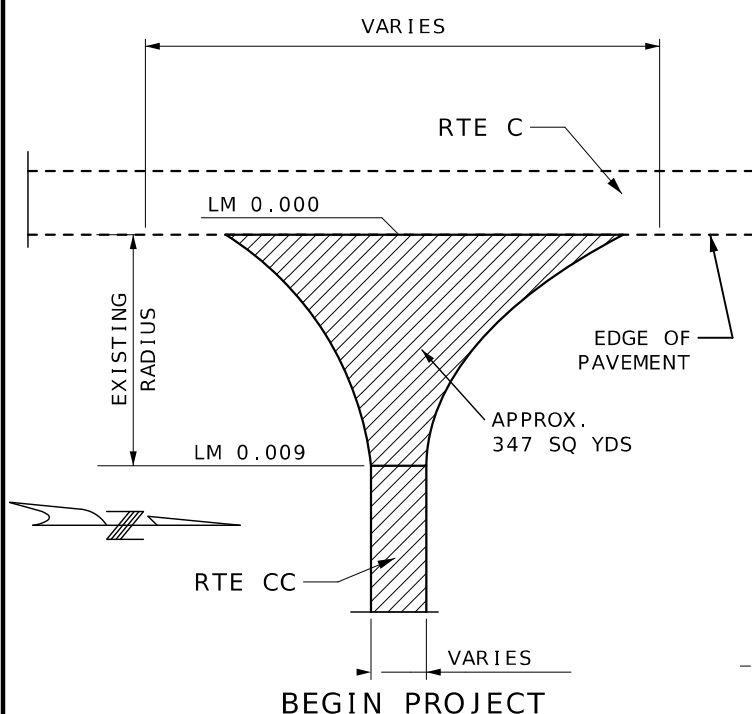
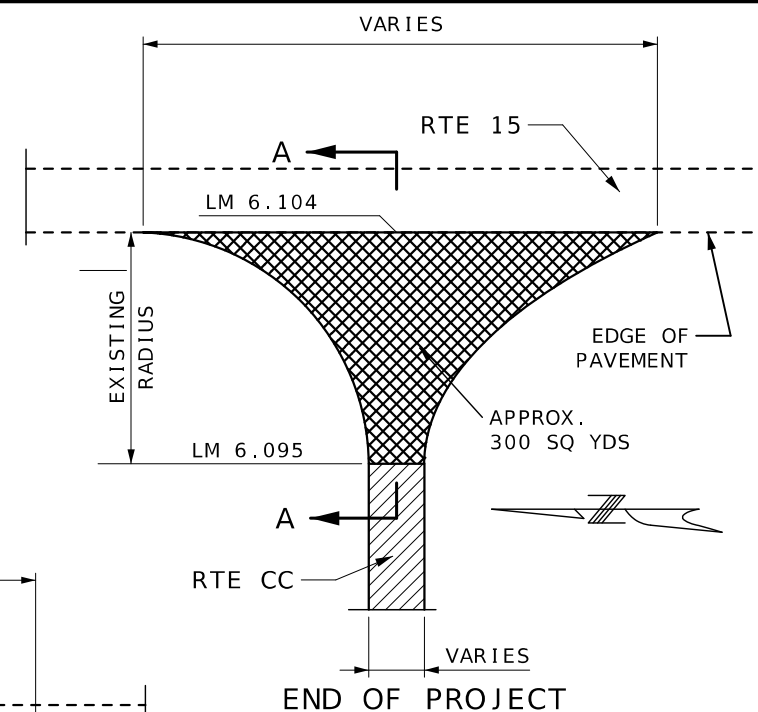
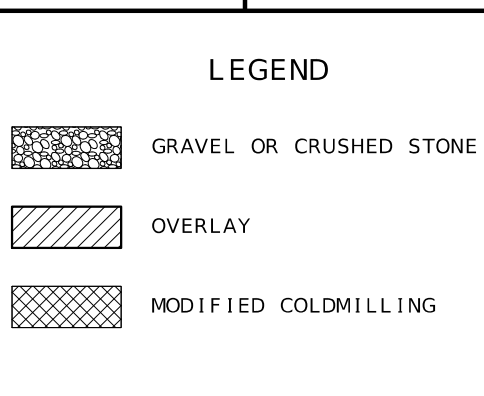
**SECTION B-B**  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)



**SECTION C-C**  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)

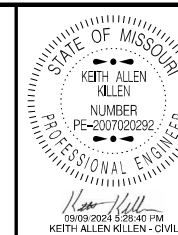


**LONGITUDINAL TRAVELWAY DEPTH TRANSITION**



**SECTION A-A**  
TRAVELWAY DEPTH TRANSITIONS

RTE CC



DATE PREPARED  
9/9/2024

ROUTE STATE  
VAR. MO  
DISTRICT SHEET NO.  
NE 7

COUNTY  
VARIOUS  
JOB NO.  
JST0104  
CONTRACT ID.

PROJECT NO.

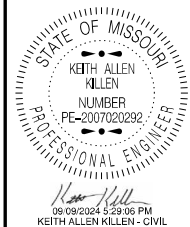
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

RTE CC  
AUDRAIN COUNTY  
SPECIAL SHEET  
SHEET 4 OF 15  
NOT TO SCALE



DATE PREPARED  
9/9/2024

ROUTE VAR. STATE MO  
DISTRICT NE SHEET NO. 8

COUNTY VARIOUS  
JOB NO. JST0104  
CONTRACT ID.

PROJECT NO.

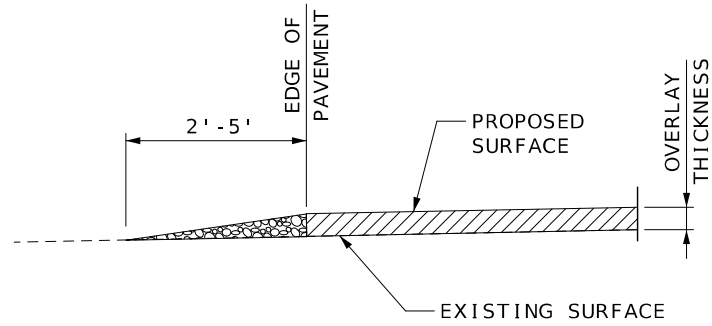
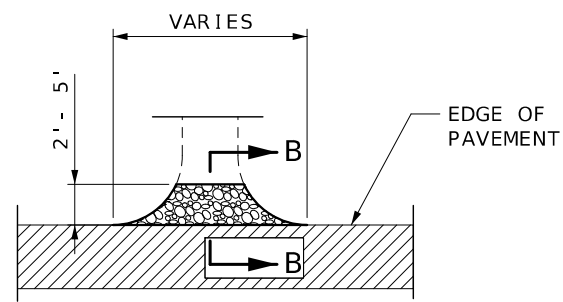
BRIDGE NO.

DATE	DESCRIPTION

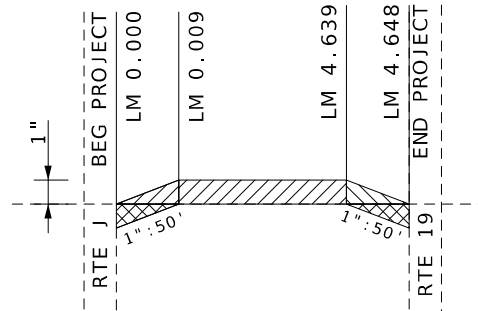
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



RTE EE  
ROLLS COUNTY  
SPECIAL SHEET  
SHEET 5 OF 15  
NOT TO SCALE



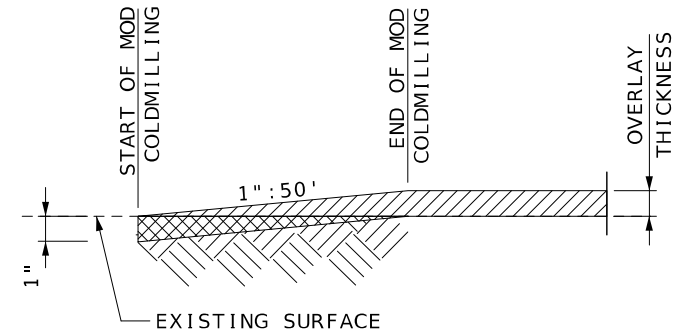
SECTION B-B  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)



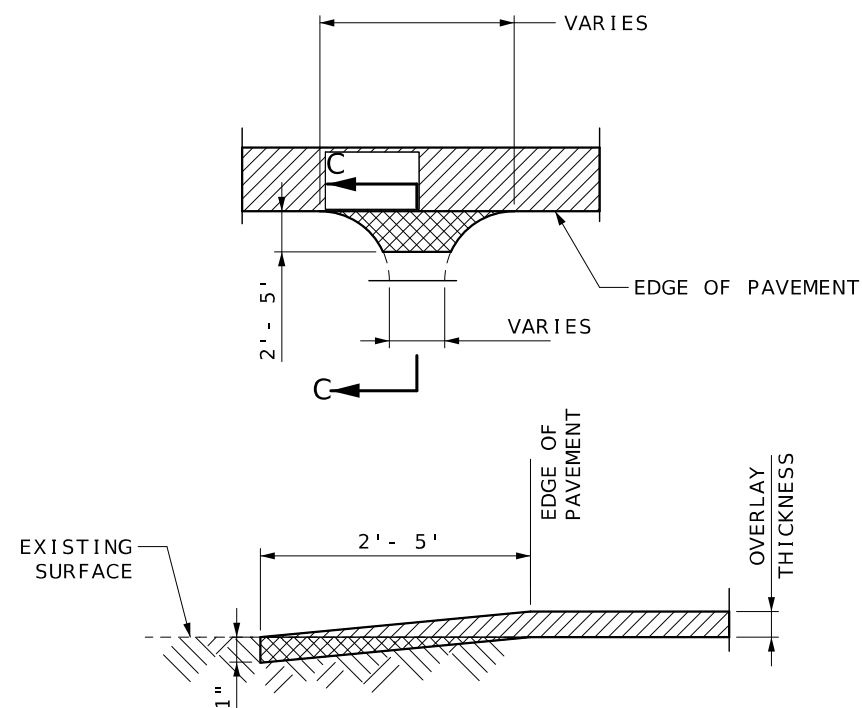
LONGITUDINAL TRAVELWAY DEPTH TRANSITION

**LEGEND**

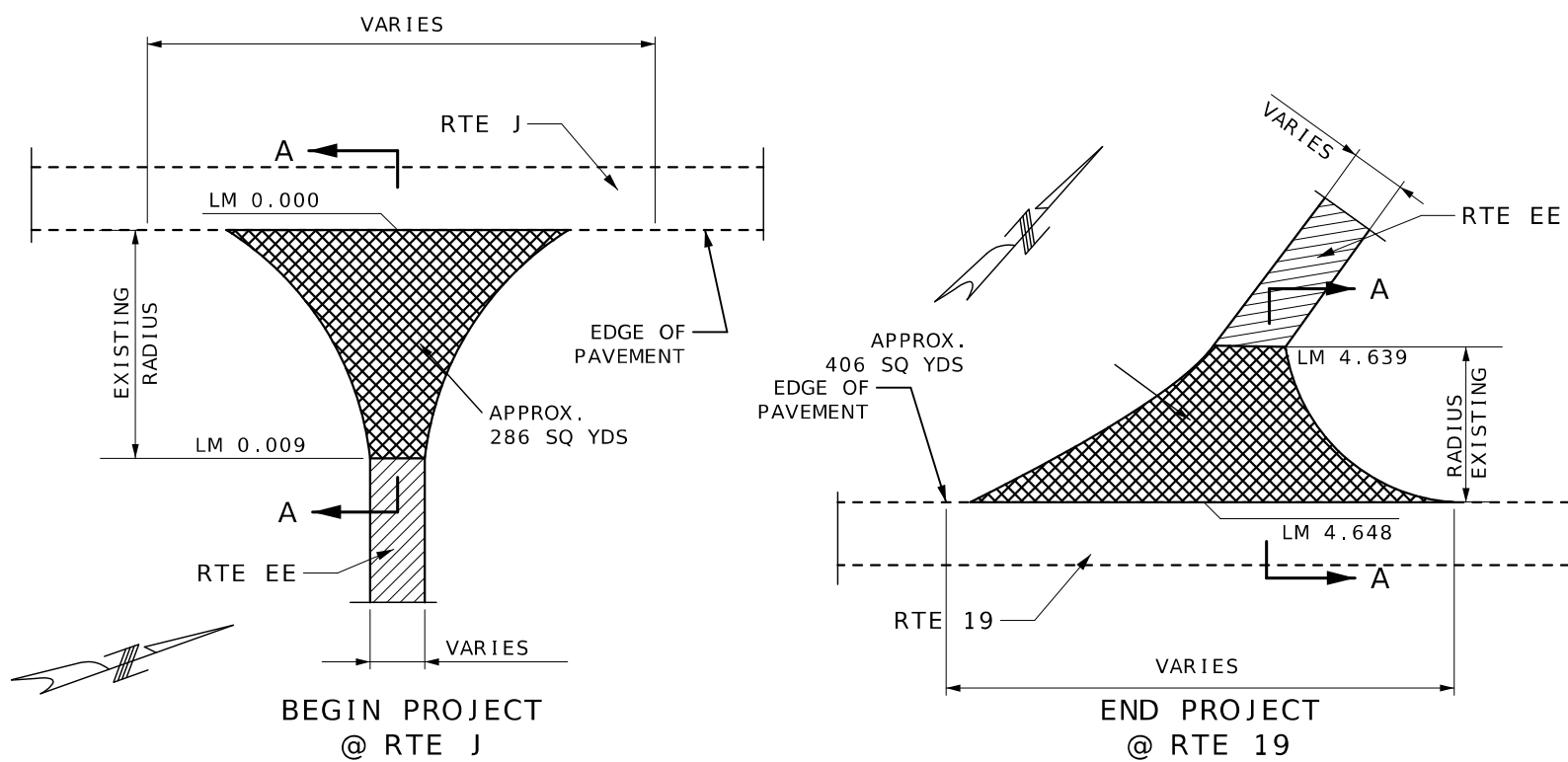
	GRAVEL OR CRUSHED STONE
	OVERLAY
	MODIFIED COLDMILLING



SECTION A-A  
TRAVELWAY DEPTH TRANSITIONS

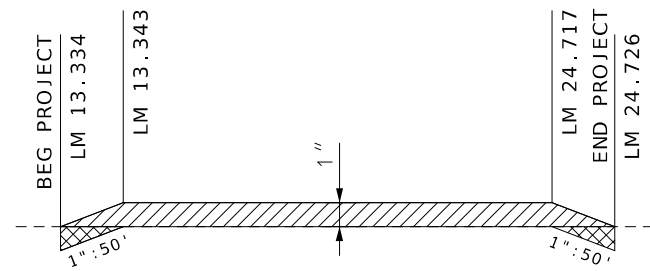


SECTION C-C  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)




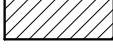


RTE EE

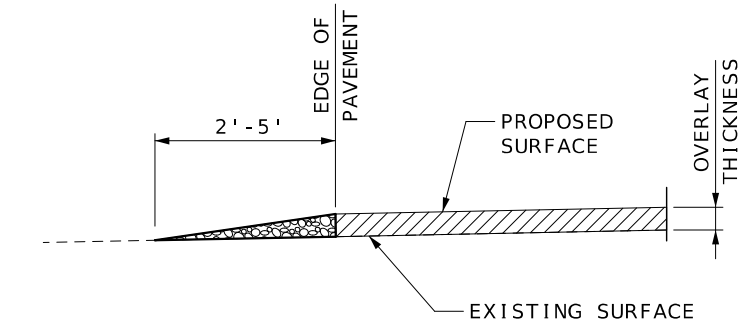
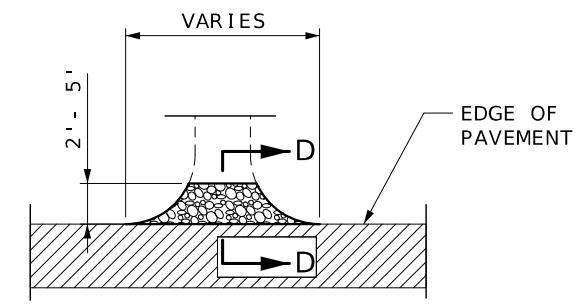




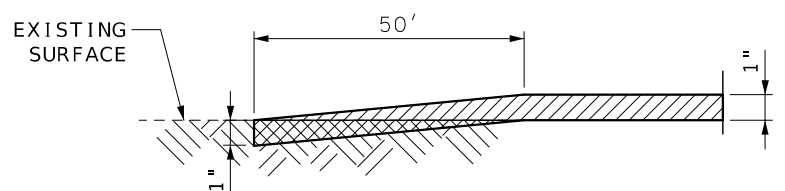
LONGITUDINAL TRAVELWAY  
DEPTH TRANSITION

**LEGEND**

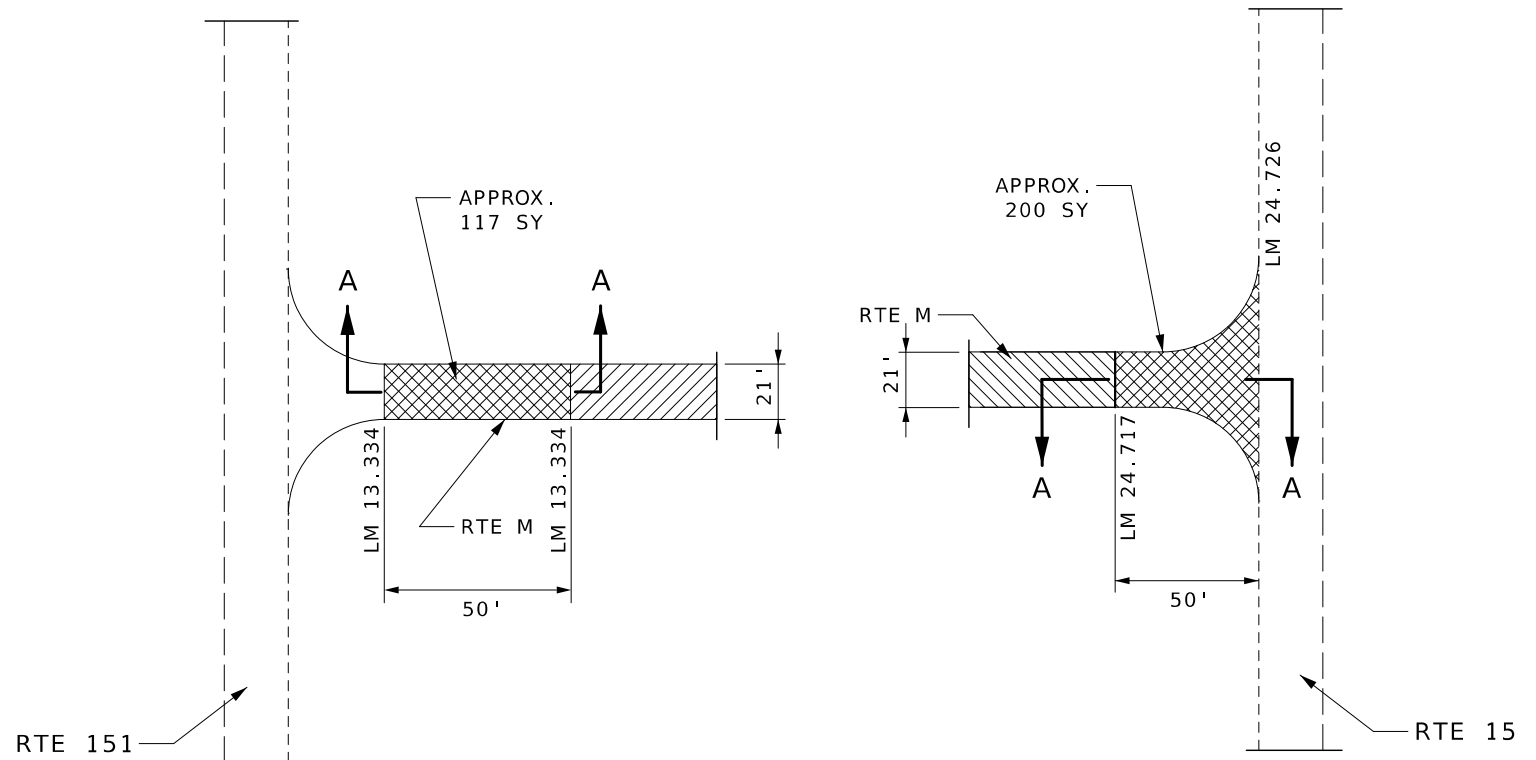
-  GRAVEL OR CRUSHED STONE
-  OVERLAY
-  MODIFIED COLDMILLING
-  CONCRETE PAVEMENT



SECTION D-D  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)

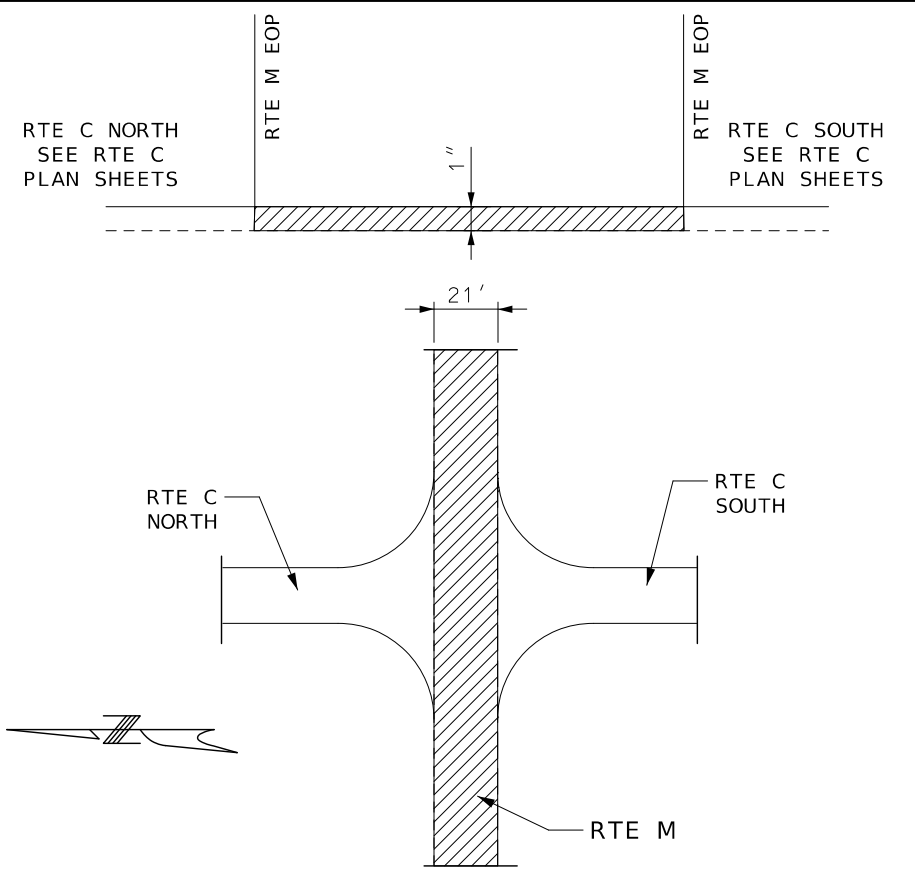


SECTION A-A



BEGIN PROJECT

END PROJECT



RTE C INTERSECTION  
LM 18.648



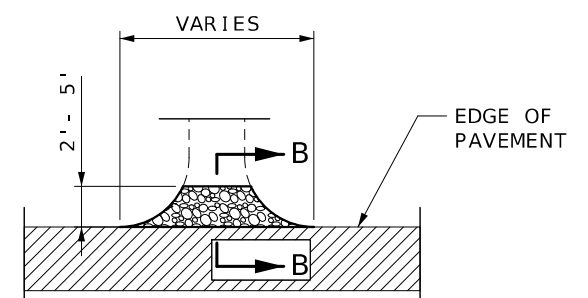
DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 9  
COUNTY VARIOUS  
JOB NO. JST0104  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

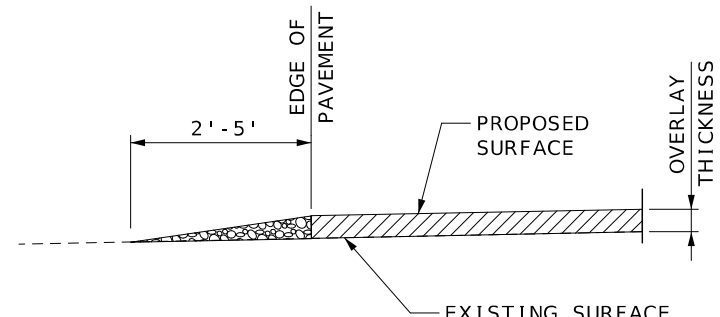
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
MoDOT  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

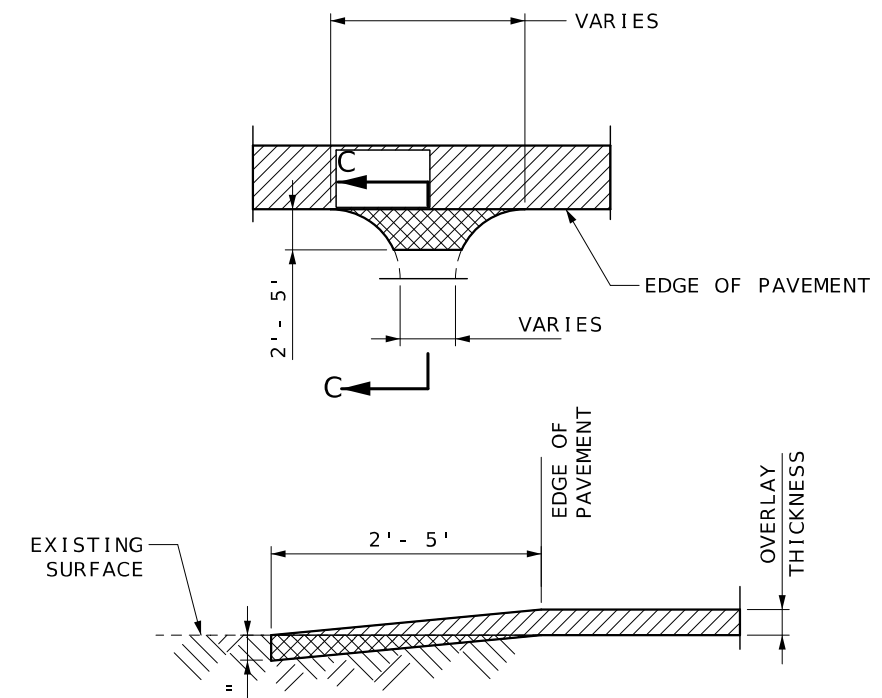
RTE M  
MONROE COUNTY  
SPECIAL SHEET  
SHEET 6 OF 15  
NOT TO SCALE






**SECTION B-B**  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)

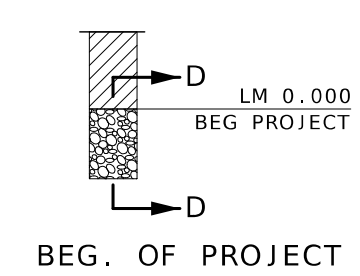
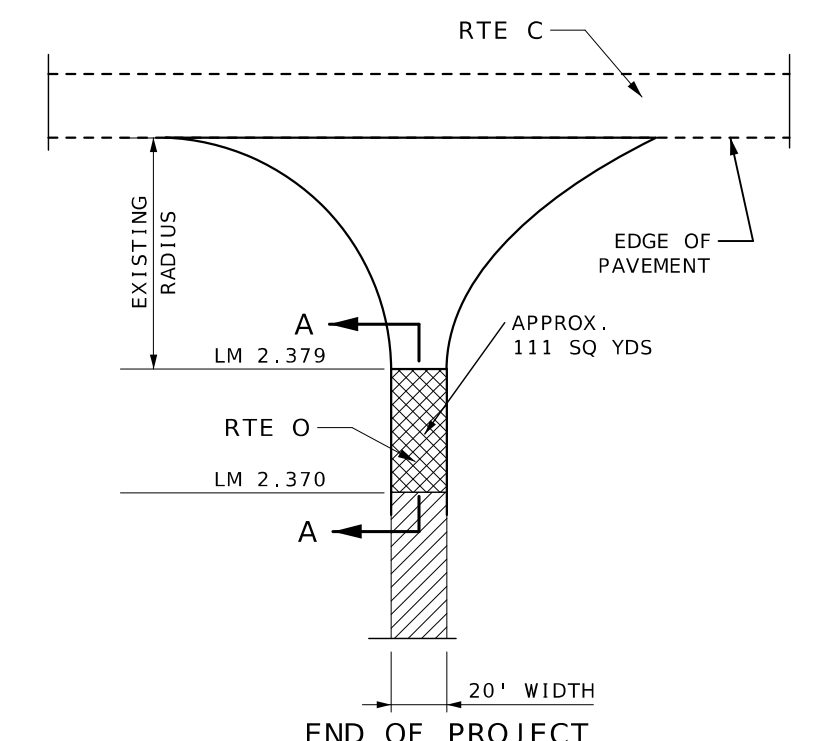
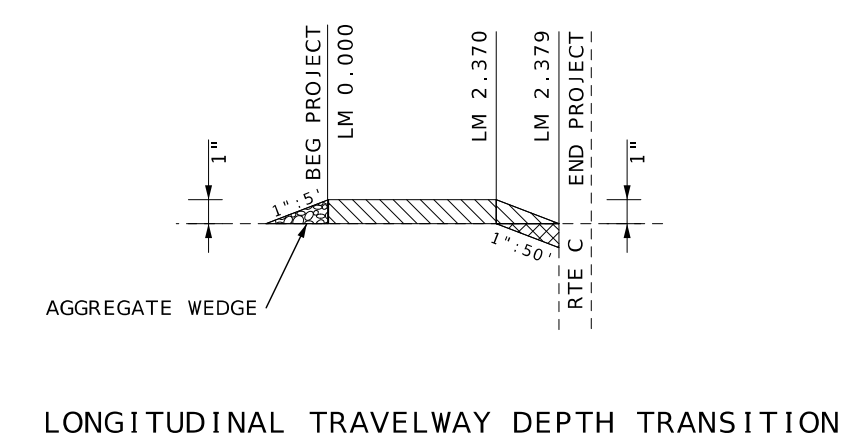


**SECTION C-C**  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)

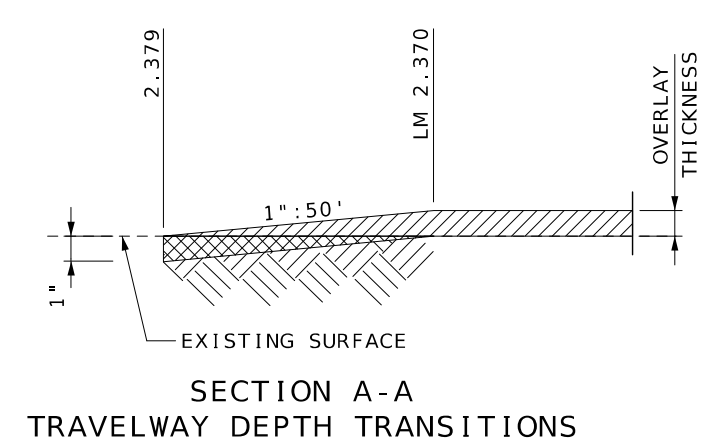
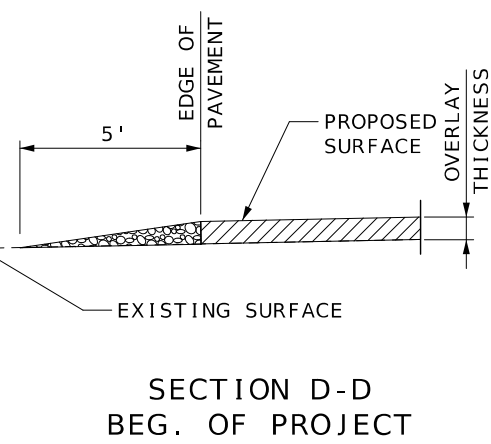


**LEGEND**

-  GRAVEL OR CRUSHED STONE
-  OVERLAY
-  MODIFIED COLDMILLING



RTE O



DATE PREPARED  
9/9/2024

ROUTE  
VAR. MO  
DISTRICT  
NE SHEET NO. 10  
COUNTY  
VARIOUS  
JOB NO.  
JST0104  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

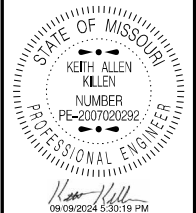
MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

**MoDOT**

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

RTE O  
RANDOLPH COUNTY

SPECIAL SHEET  
SHEET 7 OF 15  
NOT TO SCALE

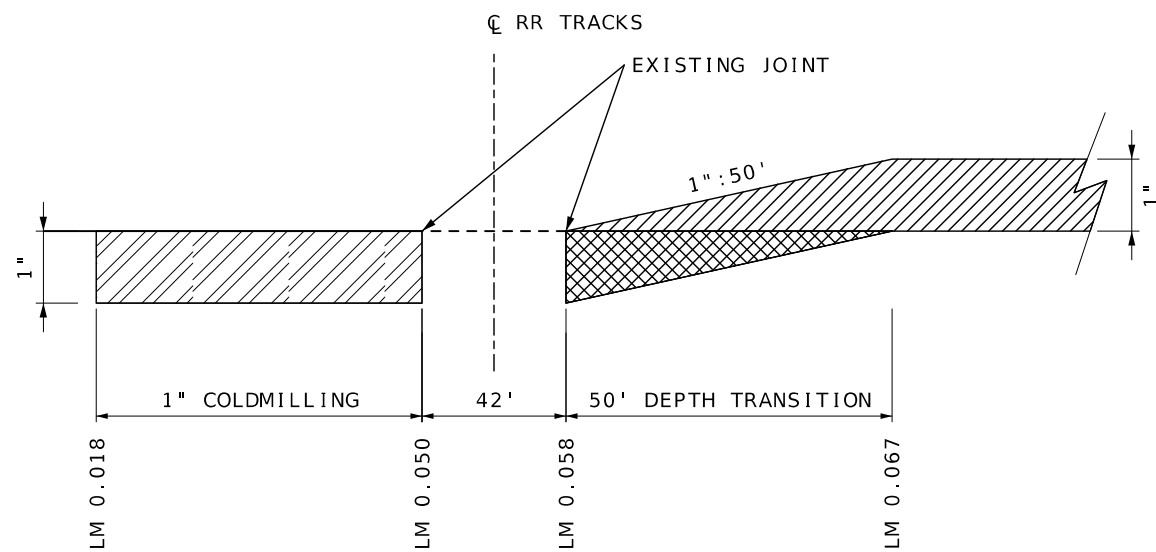
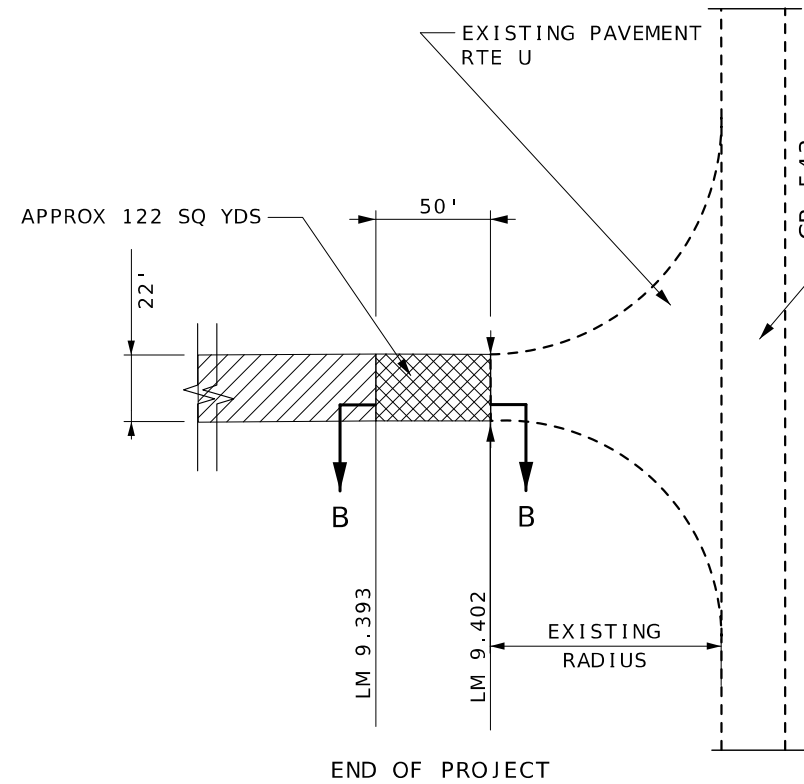
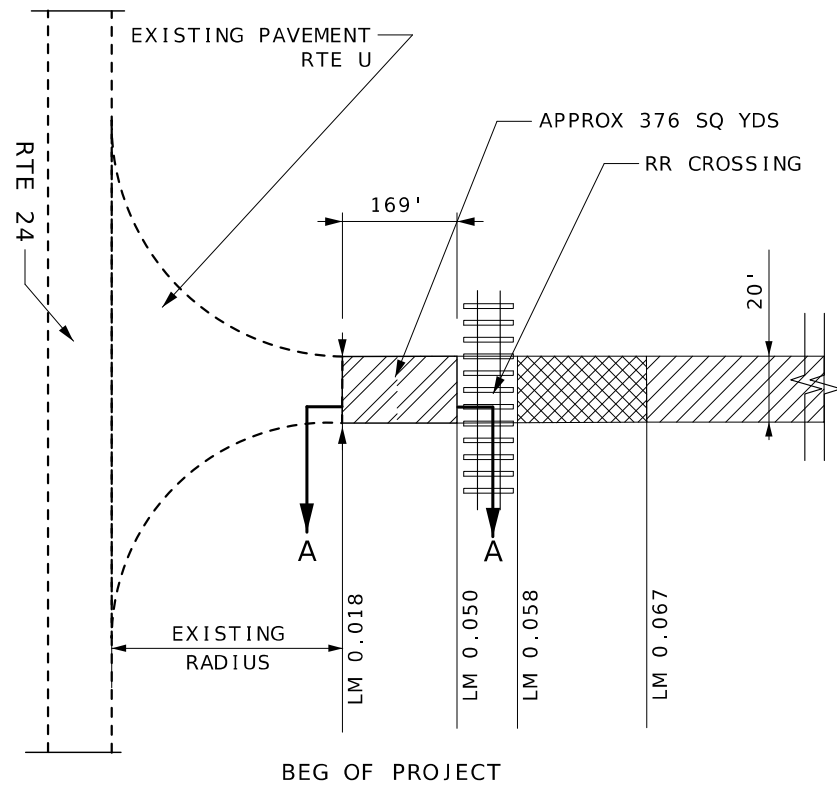


DATE PREPARED  
9/9/2024  
ROUTE VAR. STATE MO  
DISTRICT NE SHEET NO. 11  
COUNTY VARIOUS  
JOB NO. JST0104  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

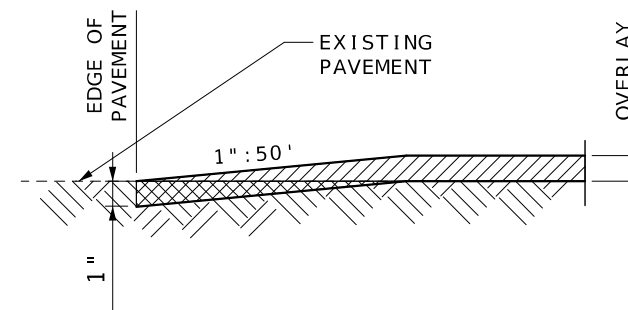
DATE	DESCRIPTION

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

RTE U  
MONROE COUNTY  
SPECIAL SHEET  
SHEET 8 OF 15  
NOT TO SCALE



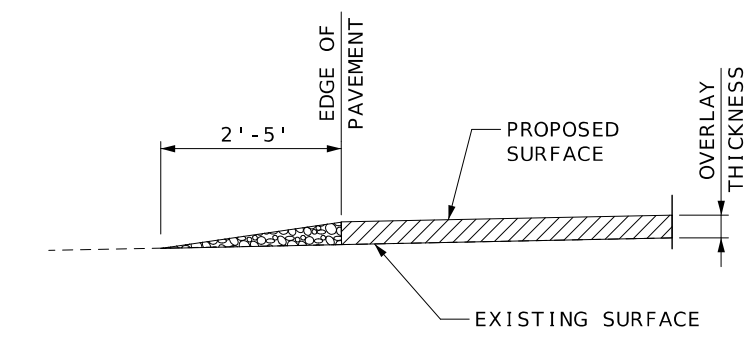
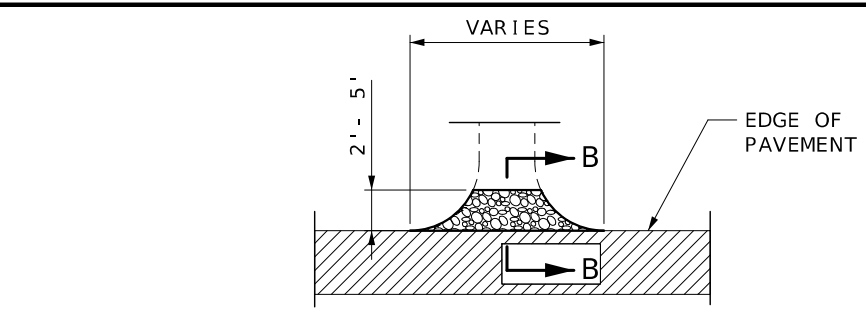
SECTION A-A  
TRAVELWAY DEPTH TRANSITIONS



SECTION B-B  
TRAVELWAY DEPTH TRANSITIONS

**LEGEND**

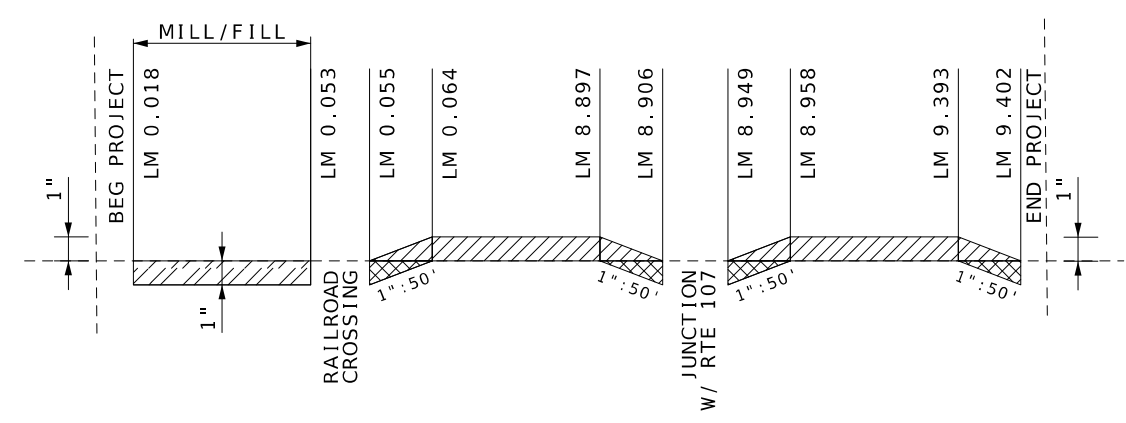
- OVERLAY
- MODIFIED COLDMILLING
- COLDMILL AND OVERLAY



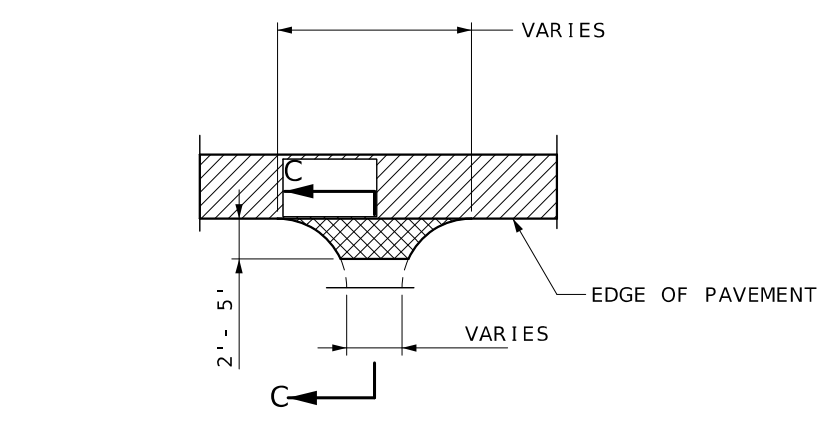
**SECTION B-B**  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)

**LEGEND**

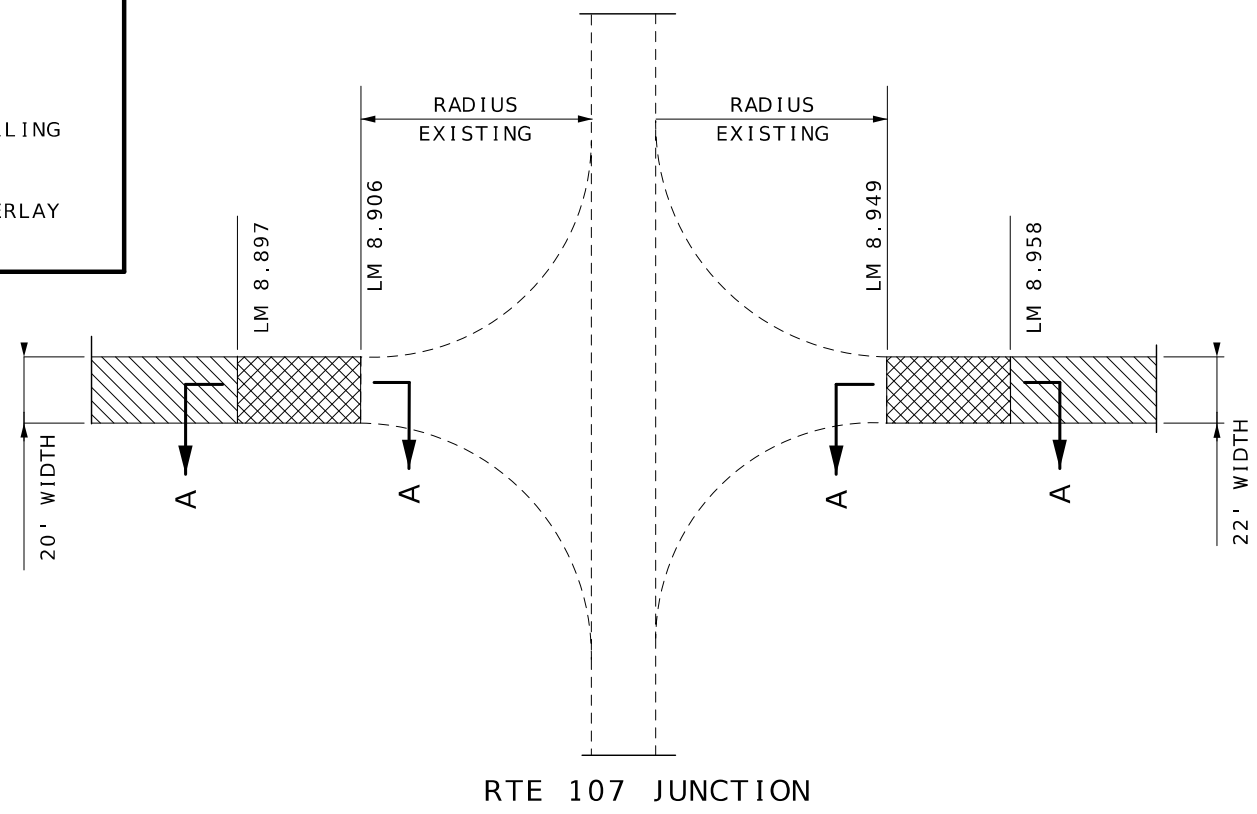
- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING
- COLDMILL AND OVERLAY



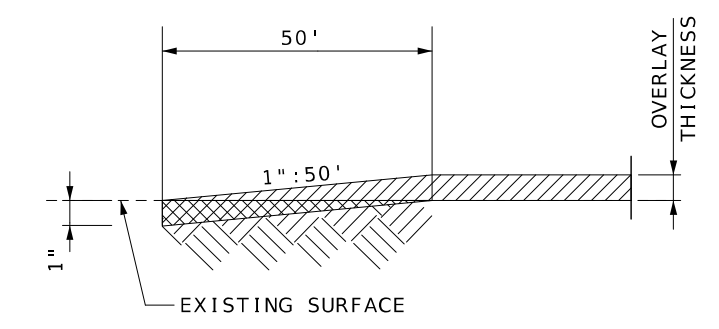
LONGITUDINAL TRAVELWAY DEPTH TRANSITION



**SECTION C-C**  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)



RTE 107 JUNCTION



SECTION A-A  
TRAVELWAY DEPTH TRANSITIONS

09/09/2024 5:30:52 PM  
KEITH ALLEN KILLEN - CIVIL  
MO-PE-2007020292  
DATE PREPARED  
9/9/2024

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
NE	12
COUNTY	
VARIOUS	
JOB NO.	
JST0104	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

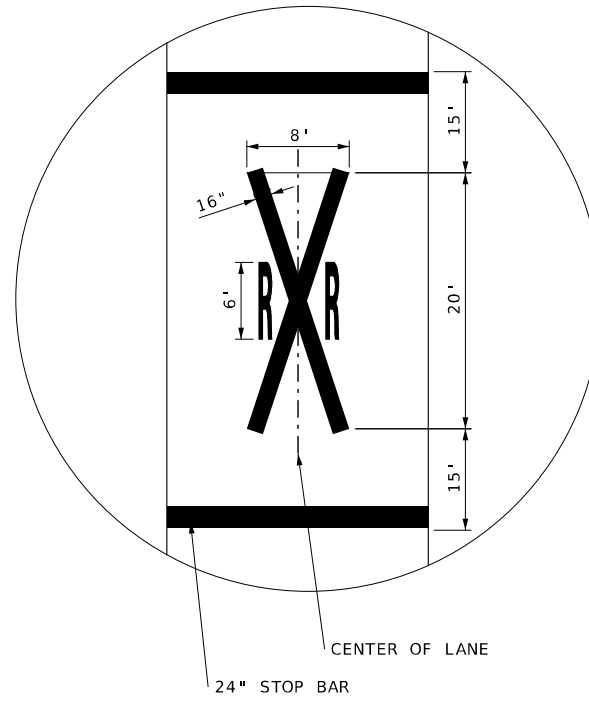
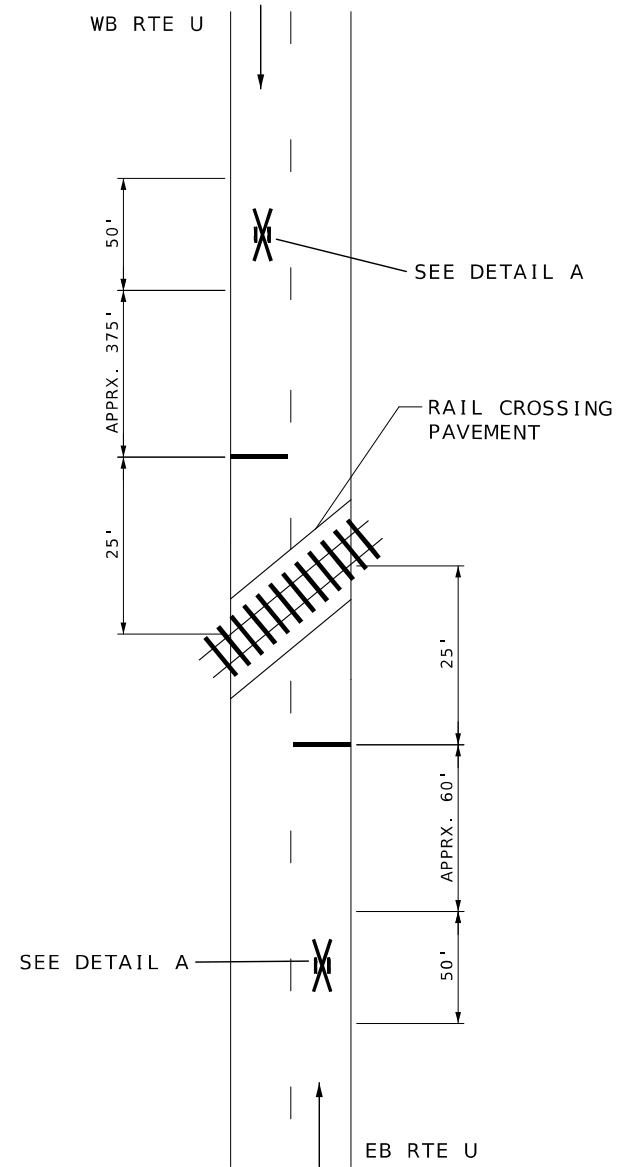
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

RTE U  
MONROE COUNTY

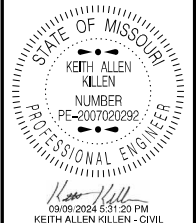
**SPECIAL SHEET**  
SHEET 9 OF 15  
NOT TO SCALE



**DETAIL A**

NOTE:  
 LOG MILES AND DISTANCES ARE APPROXIMATE.  
 SEE JOB SPECIAL PROVISIONS FOR RAILROAD REQUIREMENTS.  
 ACTUAL LIMITS OF RESURFACING MAY BE ADJUSTED IN THE  
 FIELD AS DIRECTED BY RAILROAD FIELD REPRESENTATIVE.

R.R. CROSSING EXCEPTION  
 LOG MILE 0.050 TO 0.058



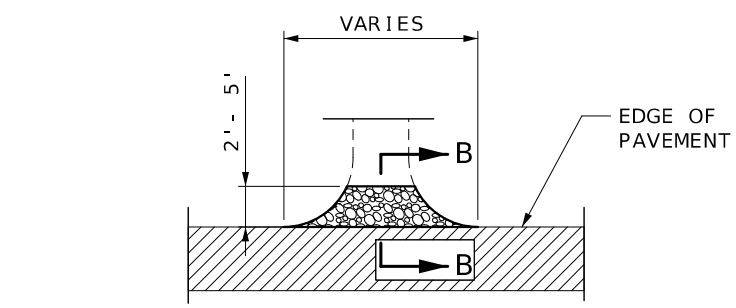
DATE PREPARED  
**9/9/2024**  
 ROUTE **VAR.** STATE **MO**  
 DISTRICT **NE** SHEET NO. **13**  
 COUNTY **VARIOUS**  
 JOB NO. **JST0104**  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

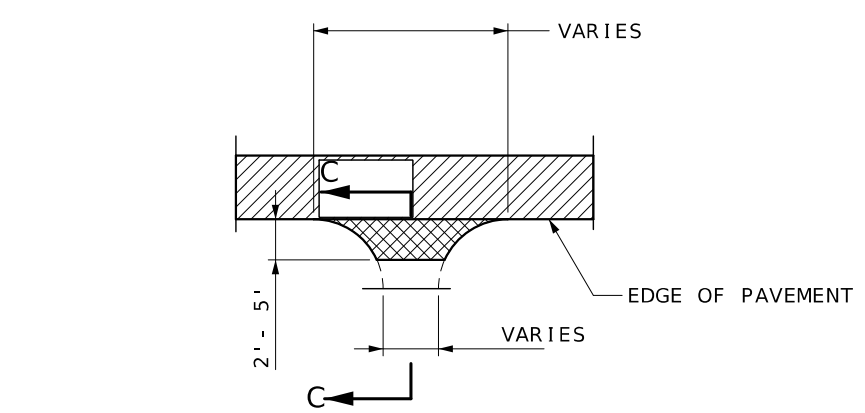
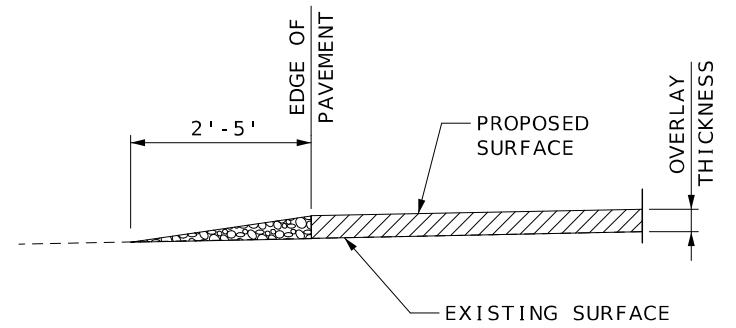
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

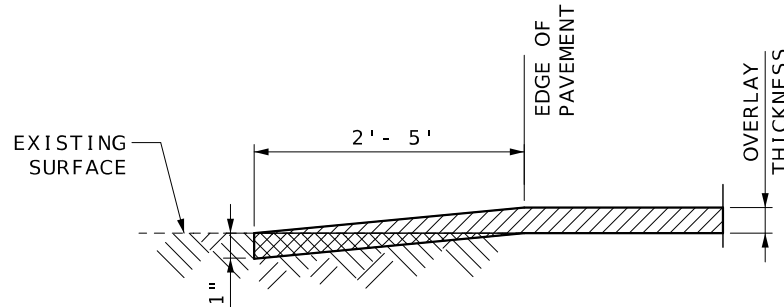
RTE U  
 MONROE COUNTY  
 SPECIAL SHEET  
 SHEET 10 OF 15  
 NOT TO SCALE






**SECTION B-B**  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)

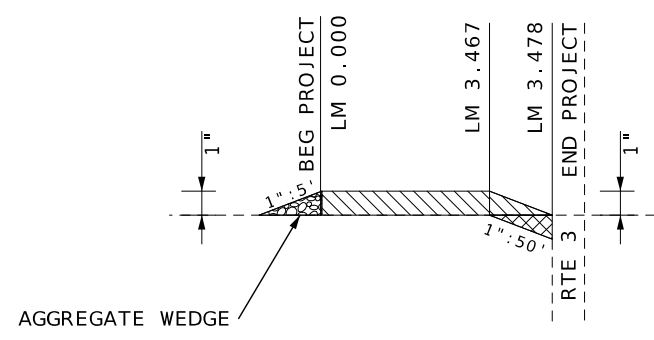


**SECTION C-C**  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)

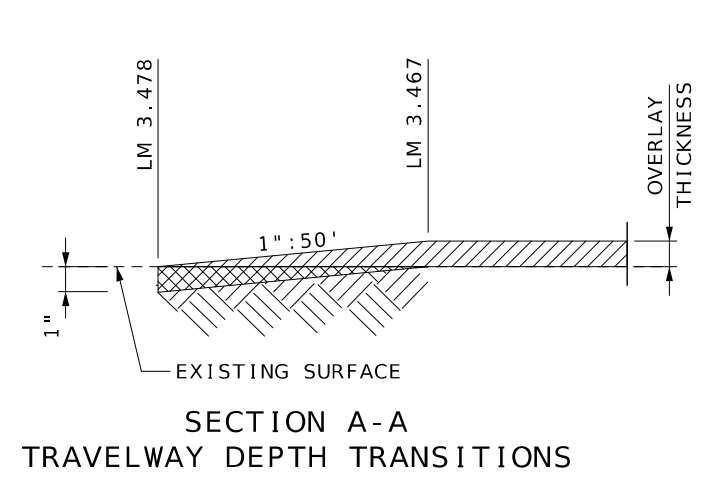
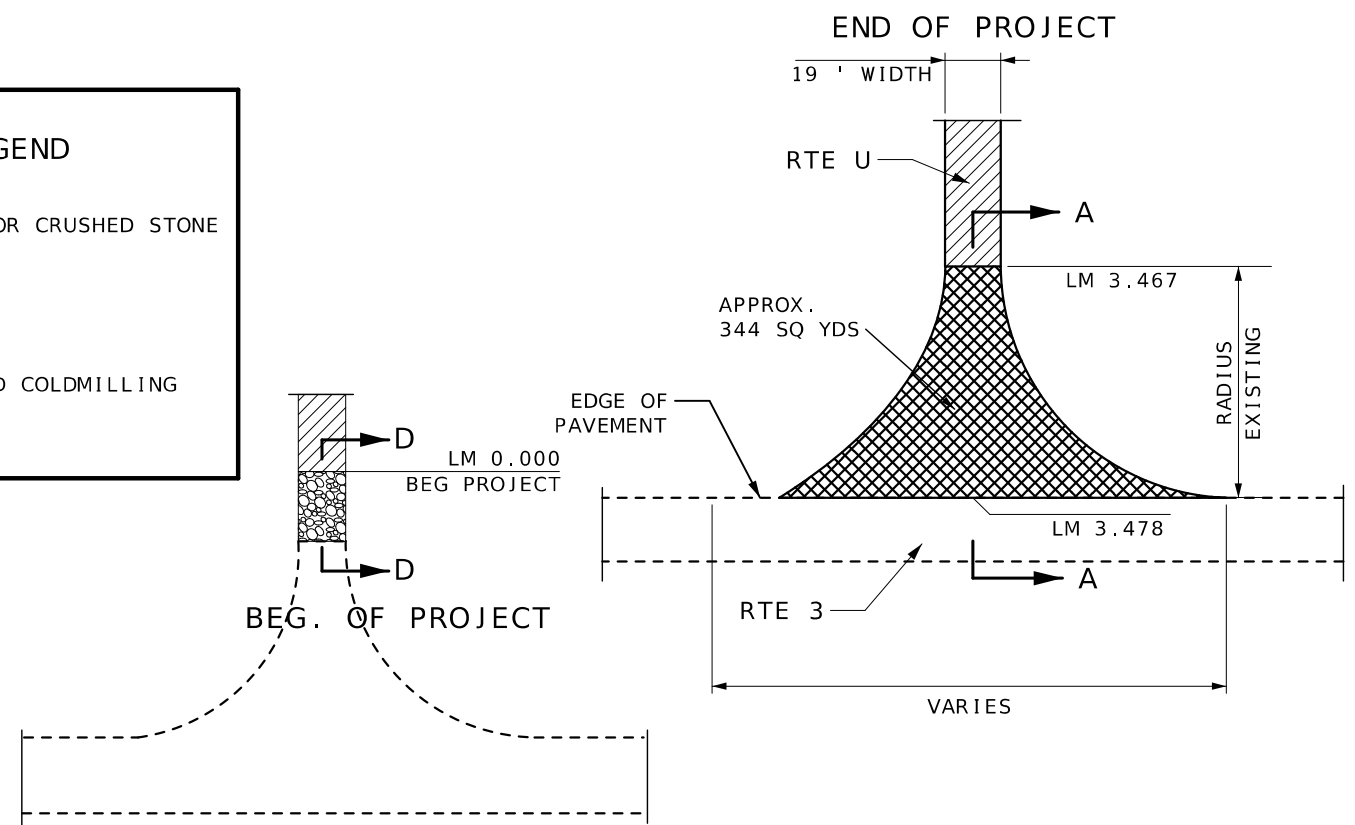


**LEGEND**

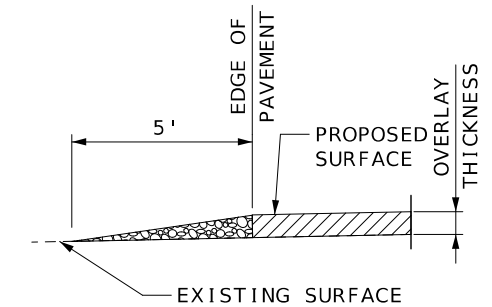
-  GRAVEL OR CRUSHED STONE
-  OVERLAY
-  MODIFIED COLDMILLING



**LONGITUDINAL TRAVELWAY DEPTH TRANSITION**

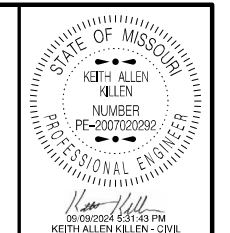


**SECTION A-A**  
TRAVELWAY DEPTH TRANSITIONS



**SECTION D-D**  
BEG. OF PROJECT

RTE U



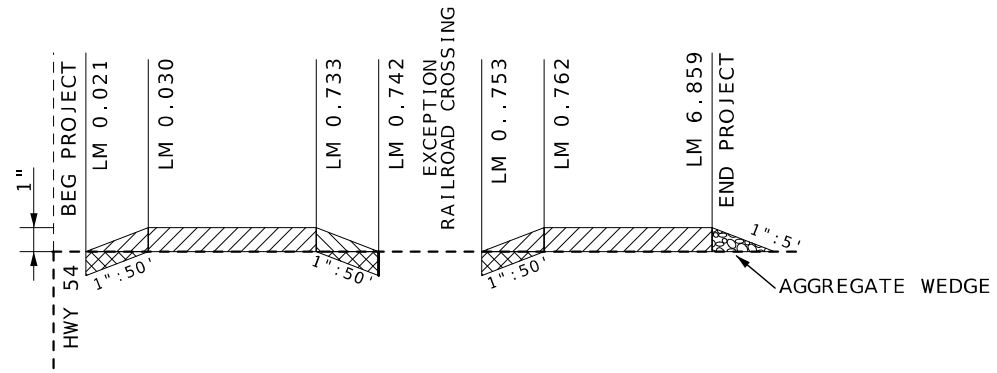
DATE PREPARED  
9/9/2024  
ROUTE VAR. MO  
DISTRICT NE SHEET NO. 14  
COUNTY VARIOUS  
JOB NO. JST0104  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

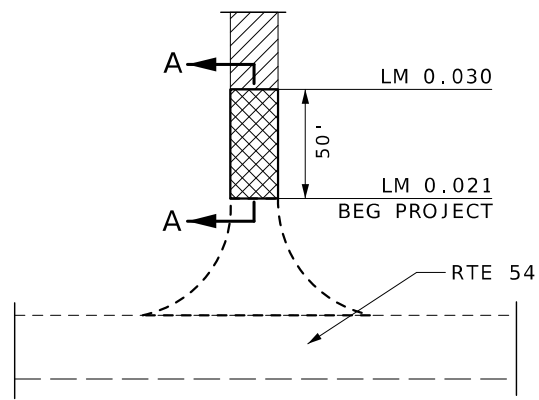
DESCRIPTION	DATE

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

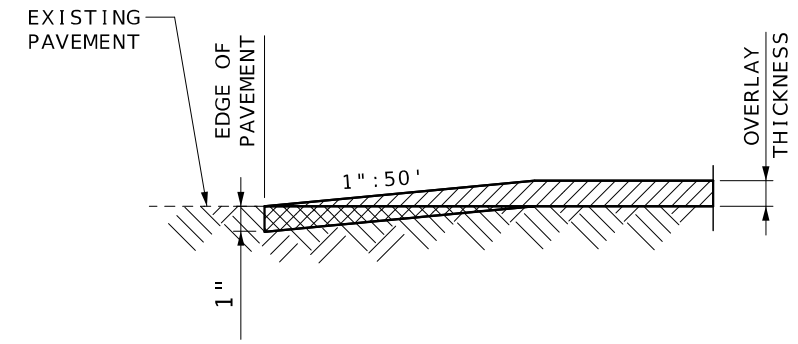
RTE U  
RANDOLPH COUNTY  
SPECIAL SHEET  
SHEET 11 OF 15  
NOT TO SCALE



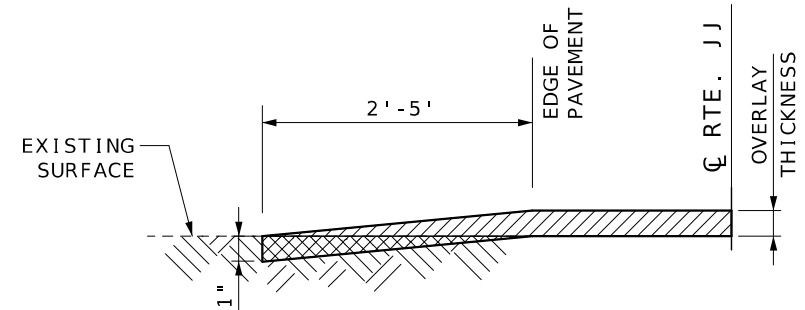
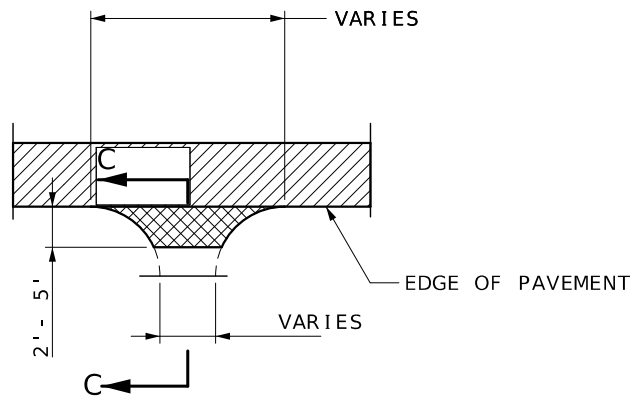
LONGITUDINAL TRAVELWAY DEPTH TRANSITION



BEG. OF PROJECT



SECTION A-A  
TRAVELWAY DEPTH TRANSITIONS

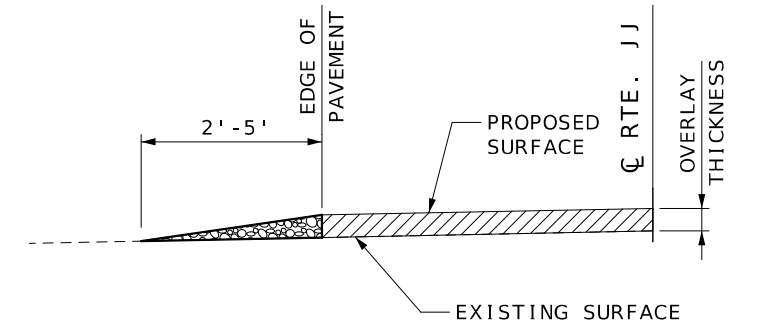


SECTION C-C  
TYPICAL ASPHALT ENTRANCE OR SIDE ROAD  
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)

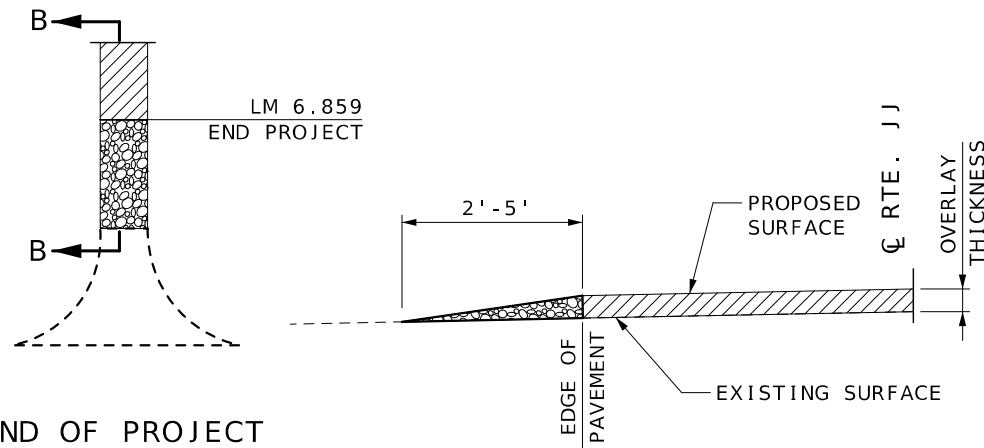
ADD ALTERNATE - "A" - RTE J J

LEGEND

- OVERLAY
- MODIFIED COLDMILLING
- GRAVEL OR CRUSHED STONE

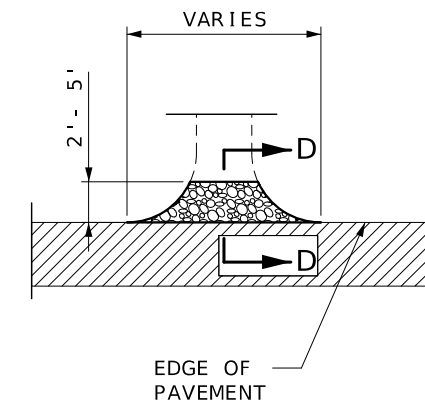


SECTION D-D  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)



END OF PROJECT

SECTION B-B  
TYPICAL AGGREGATE ENTRANCE  
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,  
COUNTY ROADS AND CITY STREETS)



DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



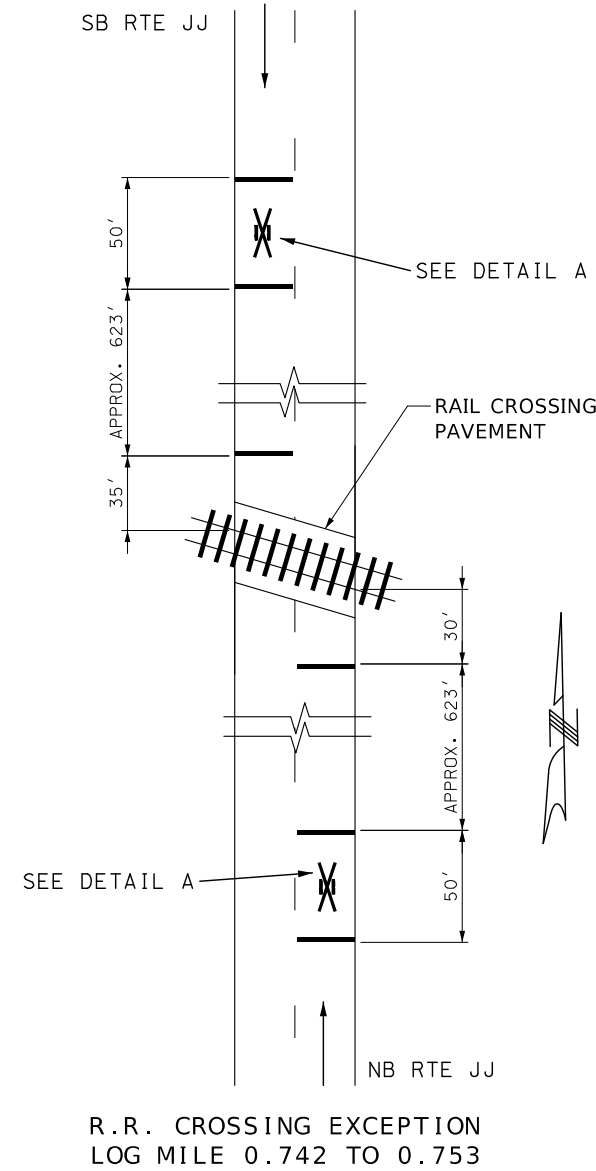
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



STATE OF MISSOURI  
KEITH ALLEN KELLEN  
NUMBER  
PE-2007020292  
PROFESSIONAL ENGINEER  
DATE PREPARED  
9/9/2024  
ROUTE STATE  
VAR. MO  
DISTRICT SHEET NO.  
NE 15  
COUNTY  
VARIOUS  
JOB NO.  
JST0104  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

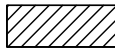
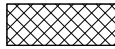

RTE J J  
AUDRAIN COUNTY

SPECIAL SHEET  
SHEET 12 OF 15  
NOT TO SCALE



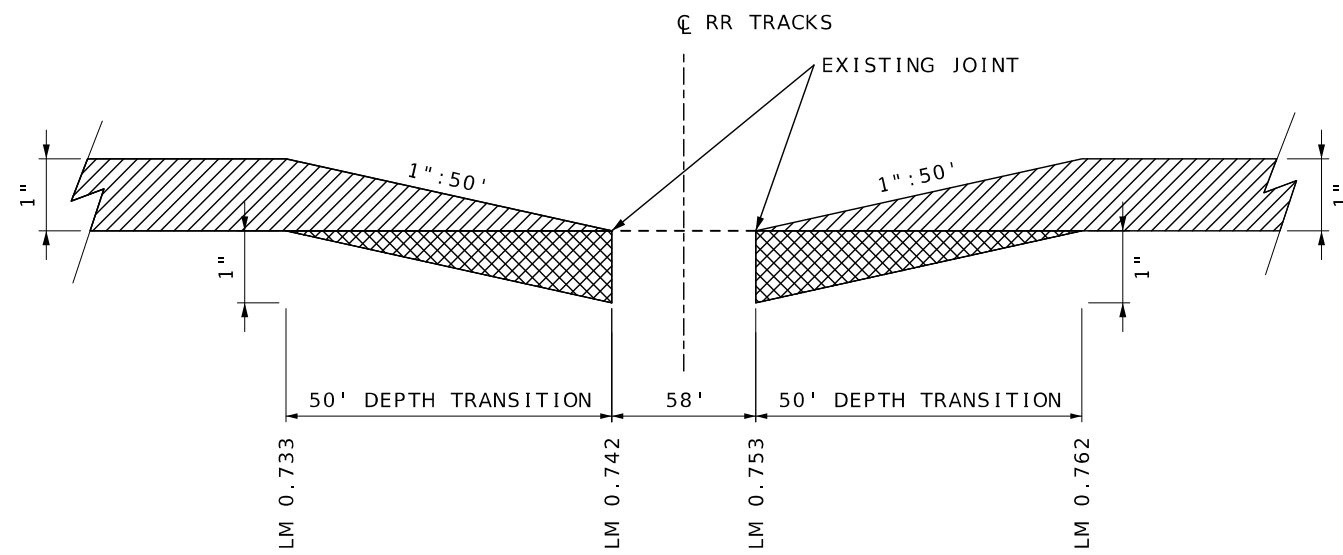
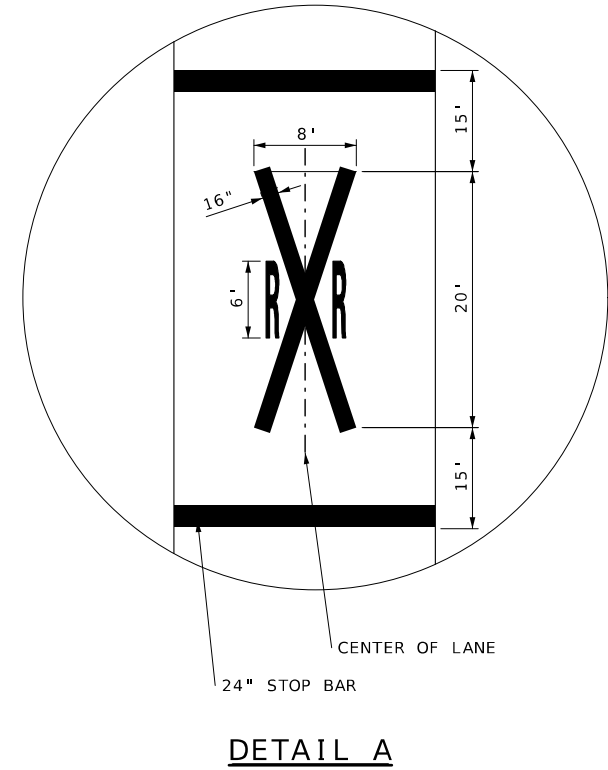
ADD ALTERNATE - "A" - RTE JJ

LEGEND

-  OVERLAY
-  MODIFIED COLDMILLING
-  COLDMILL AND OVERLAY

NOTE:  
LOG MILES AND DISTANCES ARE APPROXIMATE.  
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ACTUAL LIMITS OF RESURFACING MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY RAILROAD FIELD REPRESENTATIVE.




R.R. CROSSING EXCEPTION  
LOG MILE 0.742 TO 0.753



DATE PREPARED 9/9/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 16
COUNTY VARIOUS	
JOB NO. JST0104	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

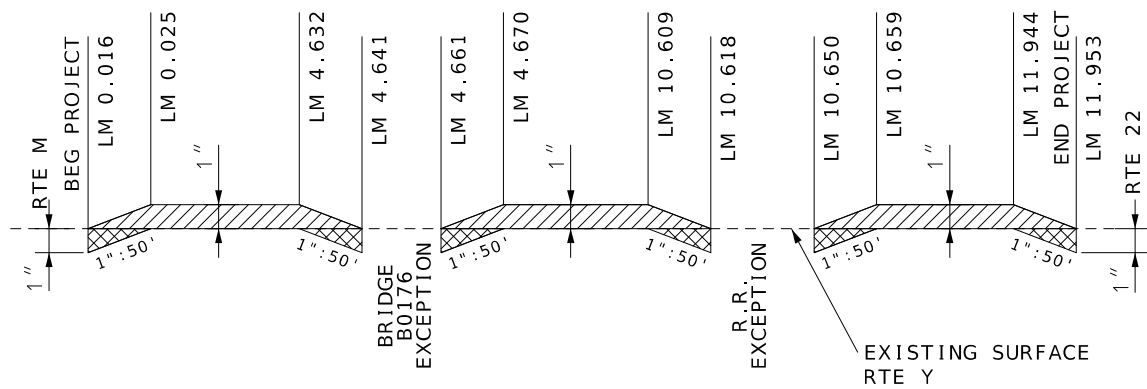
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

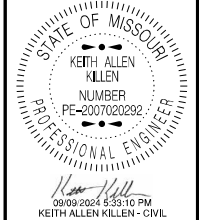
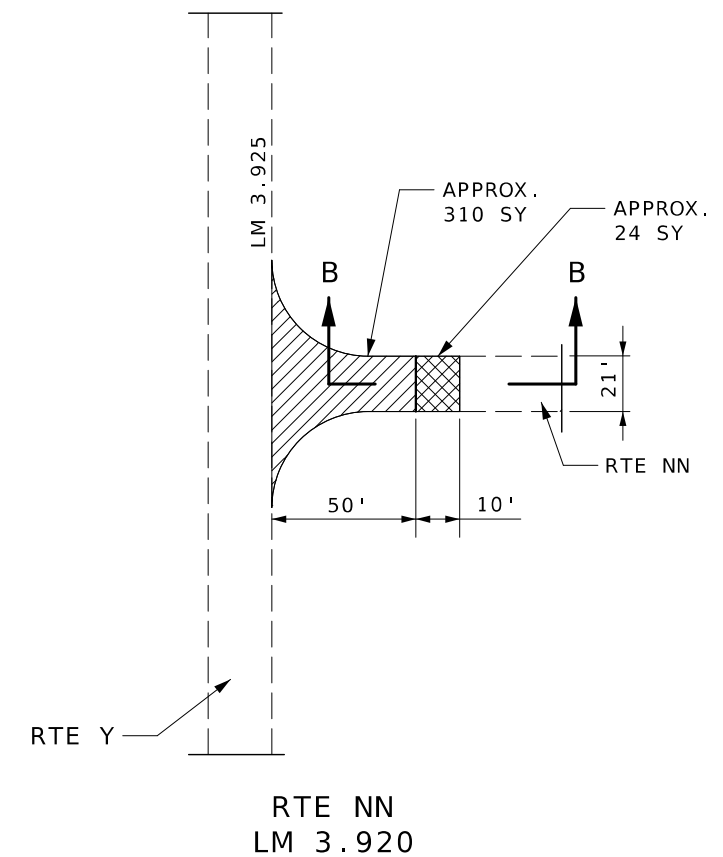
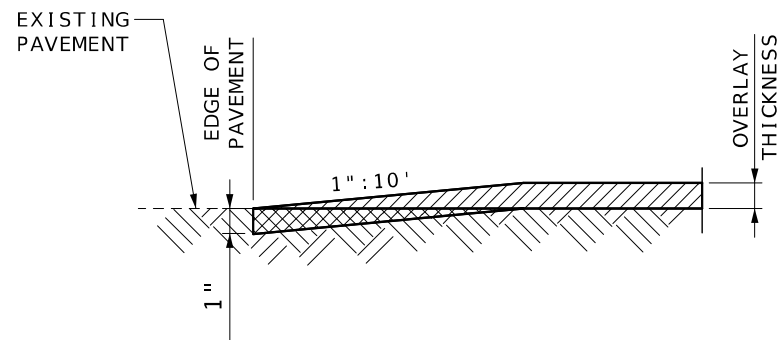
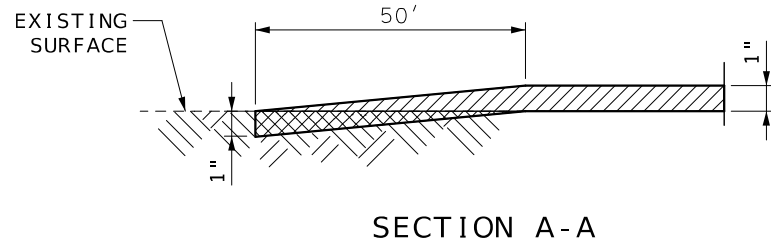
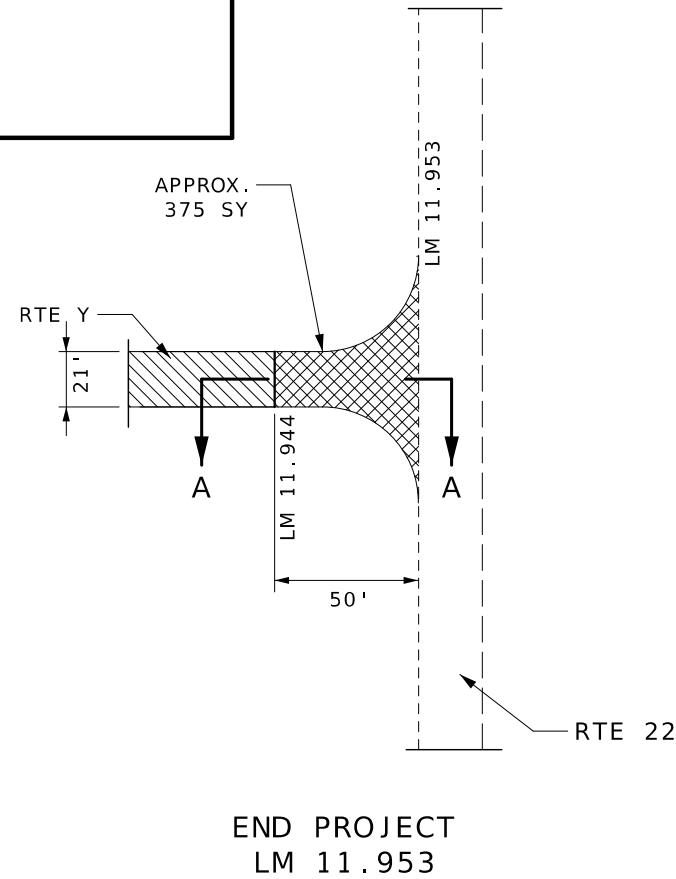
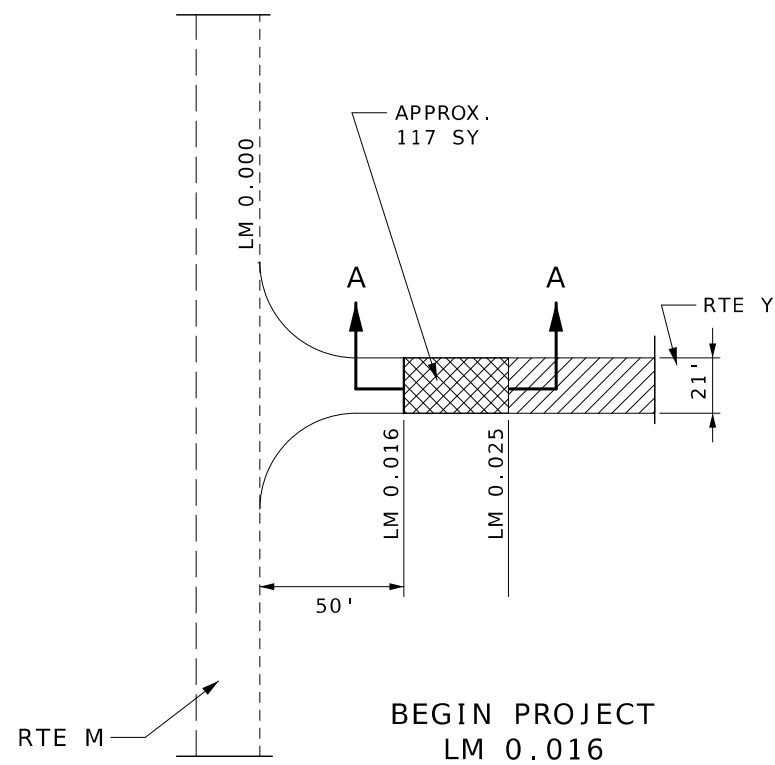
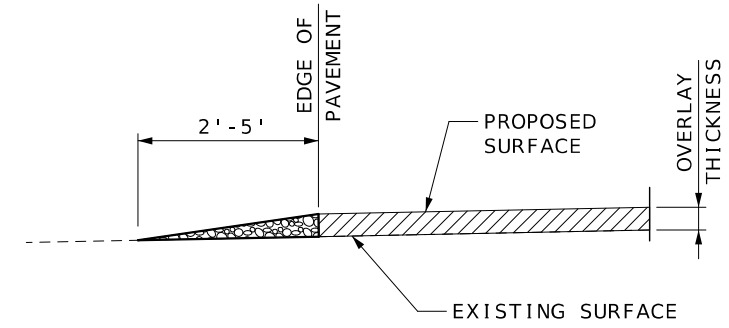
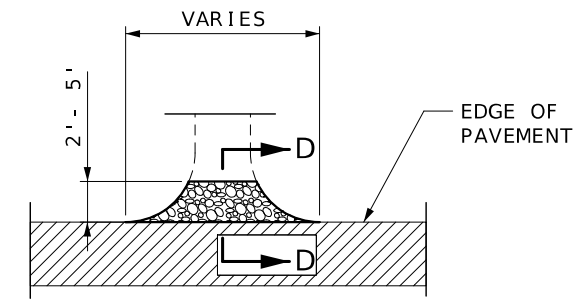
RTE JJ  
AUDRAIN COUNTY  
SPECIAL SHEET  
SHEET 13 OF 15  
NOT TO SCALE





LEGEND

- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING
- CONCRETE PAVEMENT



DATE PREPARED: 9/9/2024

ROUTE: VAR. STATE: MO

DISTRICT: NE SHEET NO.: 17

COUNTY: VARIOUS

JOB NO.: JST0104

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

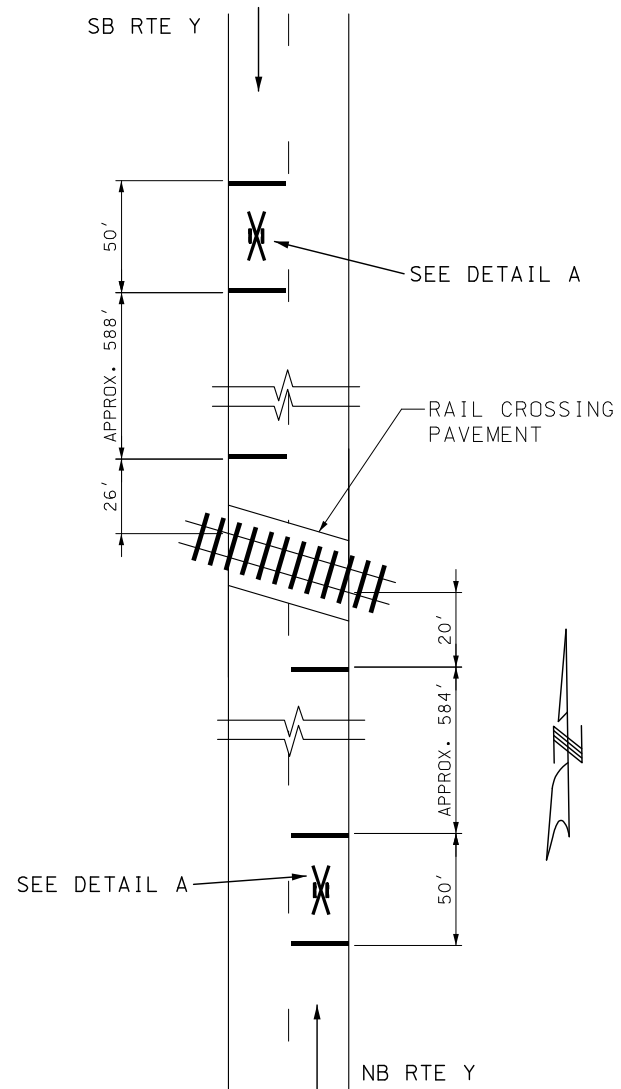
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



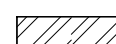
RTE Y  
AUDRAIN/MONROE COUNTY  
SPECIAL SHEET  
SHEET 14 OF 15  
NOT TO SCALE

ADD ALTERNATE - "B" - RTE Y



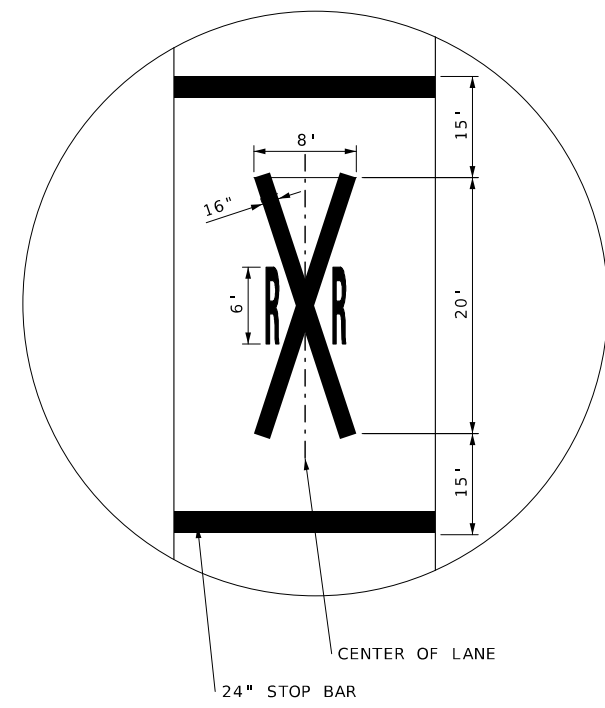
R.R. CROSSING EXCEPTION  
LOG MILE 10.644

LEGEND

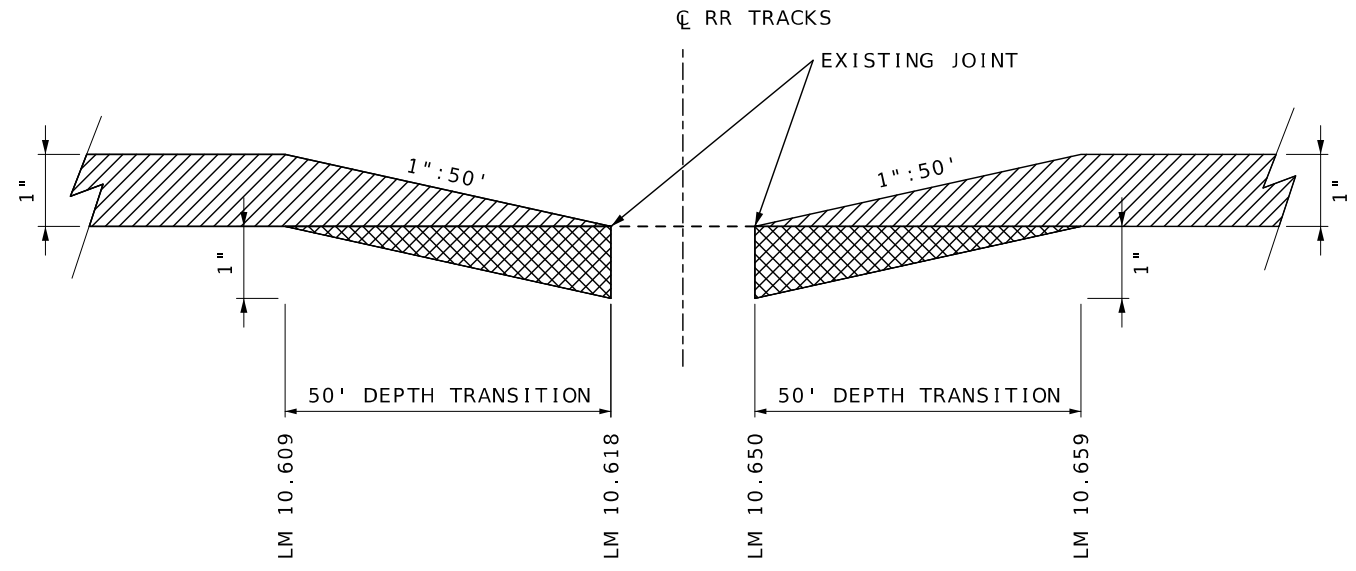
-  OVERLAY
-  MODIFIED COLDMILLING
-  COLDMILL AND OVERLAY

NOTE:  
LOG MILES AND DISTANCES ARE APPROXIMATE.  
SEE JOB SPECIAL PROVISIONS FOR RAILROAD REQUIREMENTS.

ACTUAL LIMITS OF RESURFACING MAY BE ADJUSTED IN THE  
FIELD AS DIRECTED BY RAILROAD FIELD REPRESENTATIVE.




DETAIL A



R.R. CROSSING EXCEPTION  
LOG MILE 10.644

ADD ALTERNATE - "B" - RTE Y



DATE PREPARED  
**9/9/2024**

ROUTE <b>VAR.</b>	STATE <b>MO</b>
DISTRICT <b>NE</b>	SHEET NO. <b>18</b>

COUNTY  
**VARIOUS**

JOB NO.  
**ST0104**


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

RTE Y  
AUDRAIN/MONROE COUNTY

SPECIAL SHEET  
SHEET 15 OF 15  
NOT TO SCALE