

DATE PREPARED 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. JST0103	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

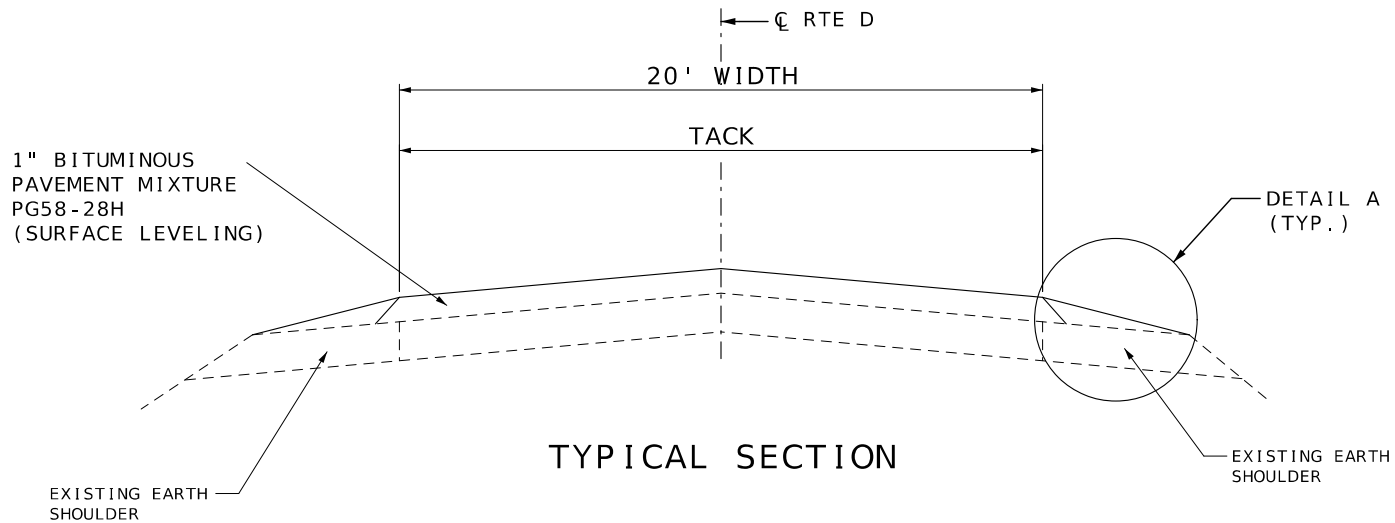
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

RTE D
SULLIVAN/ADAIR COUNTY

TYPICAL SECTION SHEET
SHEET 1 OF 4
NOT TO SCALE



LOG MI. 0.233 TO 4.392

LOG MI. 4.423 TO 10.408

LOG MI. 10.438 TO 12.381

LOG MI. 12.398 TO 13.032

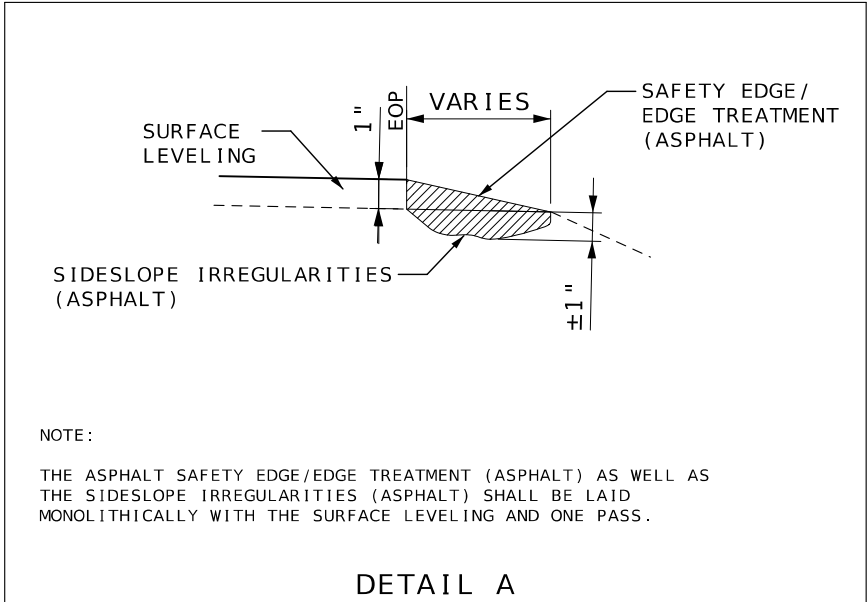
BRIDGE EXCEPTIONS

- † BRIDGE P0418 EXCEPTION
LOG MI. 4.392 TO 4.423
- † BRIDGE P0957 EXCEPTION
LOG MI. 10.408 TO 10.438
- † BRIDGE B0118 EXCEPTION
LOG MI. 12.381 TO 12.398

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 D



DETAIL A



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/2/2024

ROUTE STATE
VAR. MO

DISTRICT SHEET NO.
NE 2

COUNTY
VARIOUS

JOB NO.
JST0103

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

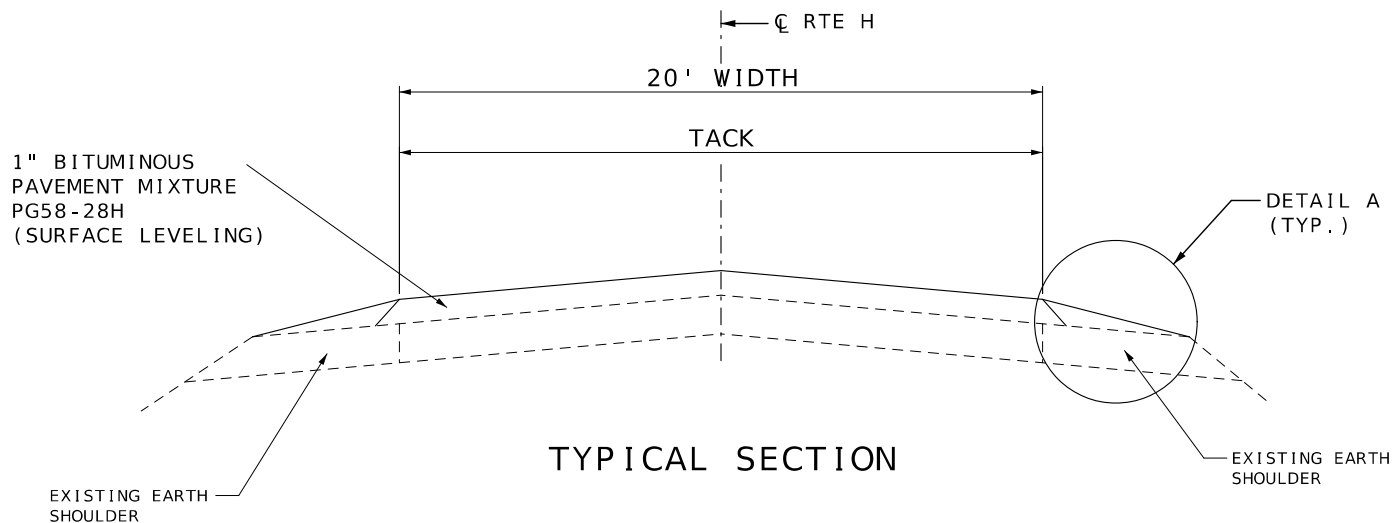
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

RTE H
SCHUYLER COUNTY

TYPICAL SECTION SHEET
SHEET 2 OF 4
NOT TO SCALE



LOG MI. 0.010 TO 4.851

LOG MI. 4.874 TO 5.569

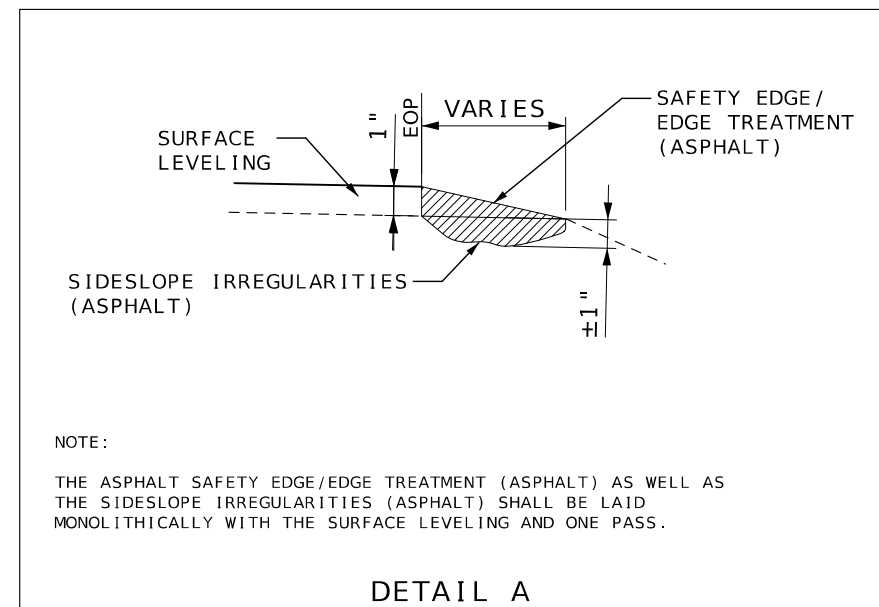
BRIDGE EXCEPTIONS

† BRIDGE P0115 EXCEPTION
LOG MI. 4.851 TO 4.874

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 H





THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/2/2024

ROUTE STATE
VAR. MO

DISTRICT SHEET NO.
NE 2

COUNTY
VARIOUS

JOB NO.
JST0103

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

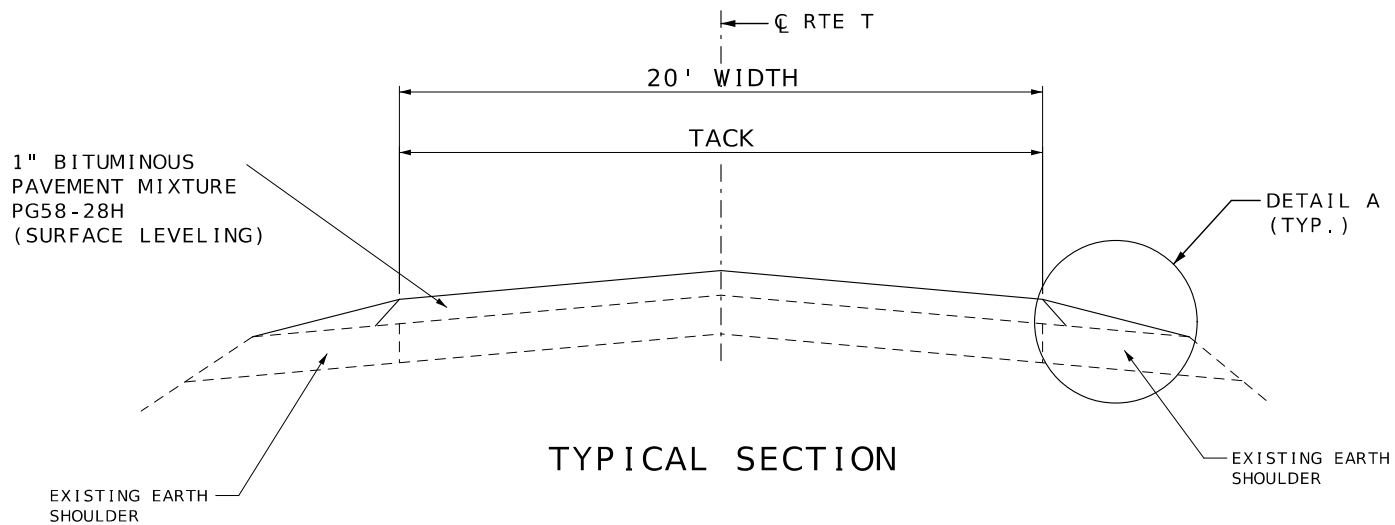
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

RTE T
ADAIR COUNTY

TYPICAL SECTION SHEET
SHEET 3 OF 4
NOT TO SCALE



TYPICAL SECTION

LOG MI. 0.013 TO 4.321

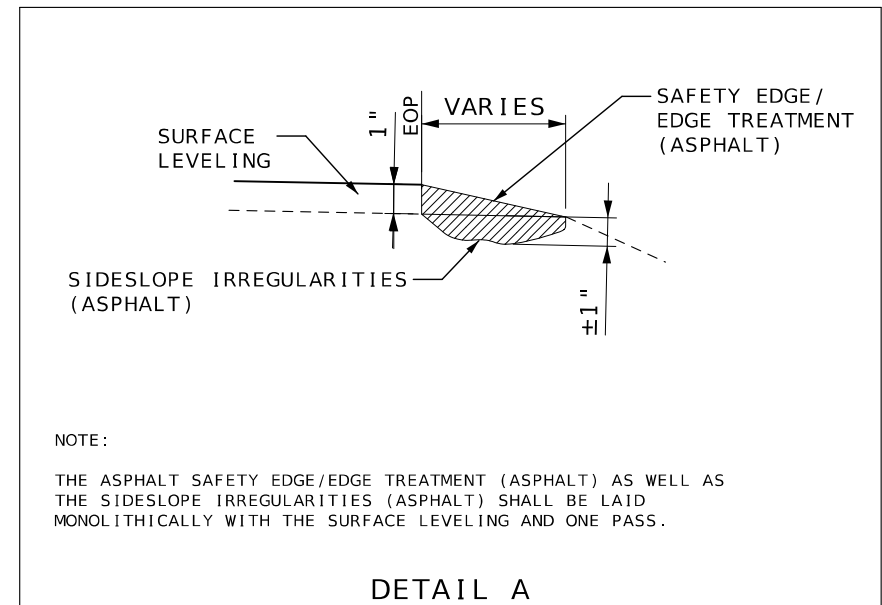
LOG MI. 4.355 TO 7.891

BRIDGE EXCEPTIONS

† BRIDGE A9172 EXCEPTION
LOG MI. 4.321 TO 4.355

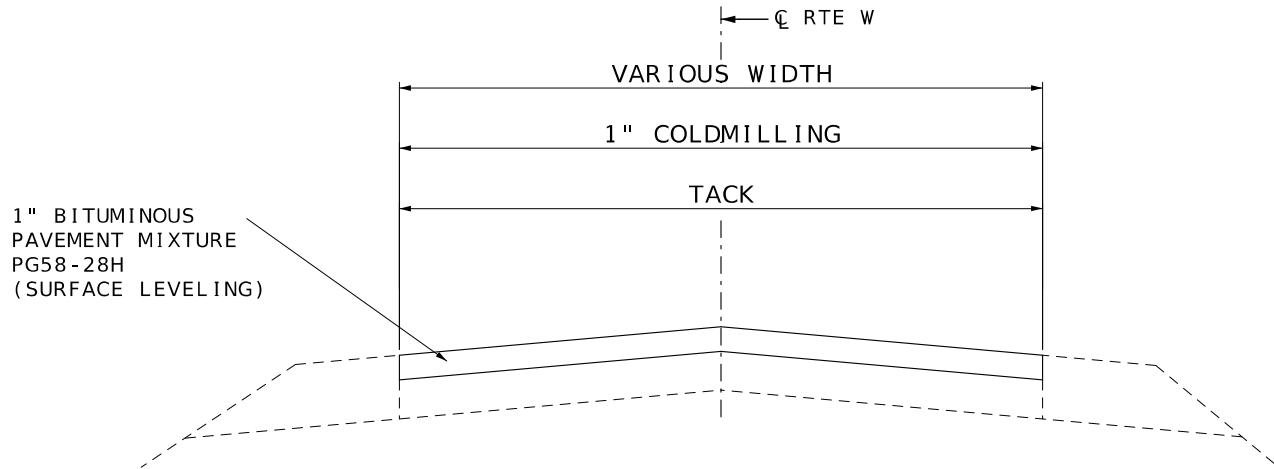
NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

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.



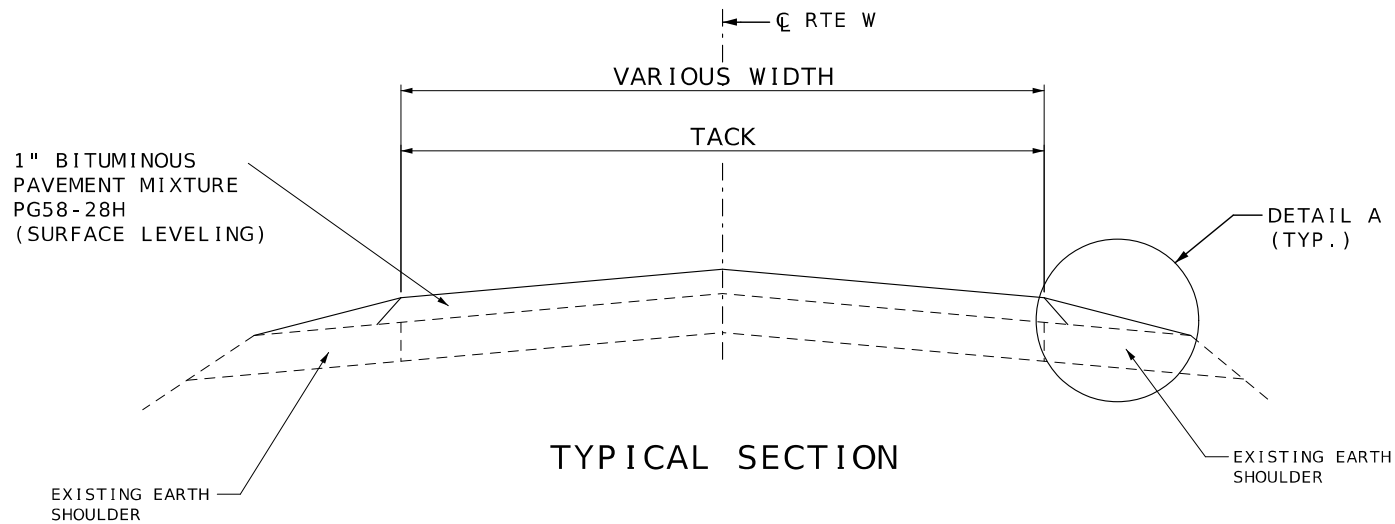
DETAIL A

RTE T



TYPICAL SECTION

- LOG MI . 22.298 TO 22.445 (21')
- LOG MI . 22.445 TO 22.593 (24')
- LOG MI . 22.593 TO 22.749 (22')



TYPICAL SECTION

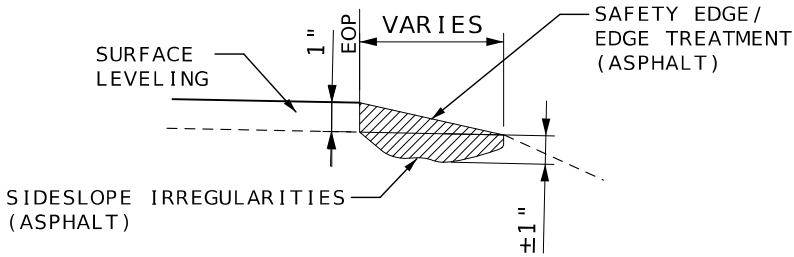
- LOG MI . 15.958 TO 16.198 (21')
- LOG MI . 16.248 TO 16.198 (21')
- LOG MI . 16.248 TO 22.298 (21')
- LOG MI . 22.749 TO 22.811 (22')
- LOG MI . 22.811 TO 23.297 (21')

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

RTE W

BRIDGE EXCEPTIONS

* BRIDGE R0308 EXCEPTION
LOG MI . 16.198 TO 16.248



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 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. JST0103	
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 W
SCHUYLER COUNTY

TYPICAL SECTION SHEET
SHEET 4 OF 4
NOT TO SCALE

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
0.233	4.392	21959.5	1.00	20	48799	2640.6	3903.9	BEG PROJECT
4.392	4.423	163.7	1.00	-	-	-	-	BRIDGE #P0418
4.423	10.408	31600.8	1.00	20	70224	3799.9	5617.9	
10.408	10.438	158.4	1.00	-	-	-	-	BRIDGE #P0957
10.438	12.381	10259.0	1.00	20	22798	1233.6	1823.8	
12.381	12.398	89.8	1.00	-	-	-	-	BRIDGE #B0118
12.398	13.018	3273.6	1.00	20	7275	393.7	582.0	
13.018	13.032	73.9	1.00	VARIES	521	28.2	41.7	END PROJECT
0.233	13.032	67578.7	-	-	-	3839.7	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.233	13.032	67578.7	-	-	-	812.6	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						12,748.3	11,969.3	
SUBTOTAL						29.4	44.0	PAVED ENTRANCES
TOTAL						12,777.7	12,013	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.233	0.242	50.00	1.00	20	111	BEG OF ASPHALT
4.383	4.392	50.00	1.00	20	111	BRIDGE #P0418
4.423	4.432	50.00	1.00	20	111	BRIDGE #P0418
10.399	10.408	50.00	1.00	20	111	BRIDGE #P0957
10.438	10.447	50.00	1.00	20	111	BRIDGE #P0957
12.372	12.381	50.00	1.00	20	111	BRIDGE #B0118
12.398	12.407	50.00	1.00	20	111	BRIDGE #B0118
13.023	13.032	50.00	1.00	VARIES	390	END PROJECT
SUBTOTAL					1,167	
SUBTOTAL					27	PAVED ENTRANCES
TOTAL					1,194	

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
0.233	13.032	67	2.0	134.0	PRIVATE AND FIELD ENTRANCES
0.233	13.032	16	4.0	64.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				198.0	

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
8.613	RT	544	29.4	44	27	RTE. O
		SUBTOTAL	29.4	44	27	

MOBILIZATION
1 LUMP SUM

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (BP-1) = 1.948 TON/CY
TACK COAT (MILLED 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.



DATE PREPARED 7/3/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JST0103	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION						
DATE						

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

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

MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION.

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

ITEM NO.	QTY.	DESCRIPTION
616-10.25	25	CHANNELIZERS (TRIM-LINE)

NOTE. FOR INFORMATION
SEE LUMP SUM PAY ITEM



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
0.010	0.053	227.04	1.00	VARIES	695	37.6	55.6	BEG PROJECT
0.053	4.851	25333.44	1.00	20	56297	3046.3	4503.8	
4.851	4.874	121.44	-	-	-	-	-	BR. P0115
4.874	5.556	3600.96	1.00	20	8002	433.0	640.2	
5.556	5.569	68.64	1.00	VARIES	614	33.2	49.1	END PROJECT
0.000	5.569	29404.32	-	-	-	1670.7	-	ADDTL 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.053	5.569	29124.48	-	-	-	350.2	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						5,571.0	5,193.1	
TOTAL						5,571.0	5,193	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.010	0.019	50.00	1.00	36	200	BEG PROJECT
4.842	4.851	50.00	1.00	20	111	BRIDGE #P0115
4.874	4.883	50.00	1.00	20	111	BRIDGE #P0115
					SUBTOTAL	422
					TOTAL	422

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
0.010	5.569	36	2.0	72.0	PRIVATE AND FIELD ENTRANCES
0.010	5.569	7	4.0	28.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
			TOTAL	100.0	

TRAFFIC CONTROL DEVICES		
ITEM NO.	QTY.	DESCRIPTION
616-10.25	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

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)	
0.010	4.307	RTE H			45376		
4.307	4.490	RTE H		1208			SBL INTERMITTENT AND NBL SOLID
4.490	4.546	RTE H	80				
4.546	4.709	RTE H		1076			SBL SOLID AND NBL INTERMITTENT
4.709	5.569	RTE H			9082		
0.010	5.569	RTE H				-	EDGELINE
SUBTOTAL			80	2,284	54,458	0	
TOTAL				56,822		0	
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 5.5 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	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 - 7 TOTAL						
2	W020-1	48 X 48	16.00	7	112.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	7	112.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	7	112.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	7	10.50	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
(616-10.05) CONSTRUCTION SIGNS TOTAL					844.76	
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)					845	
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.						

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (BP-1) = 1.948 TON/CY
TACK COAT (MILLED 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.

MOBILIZATION
1 LUMP SUM



DATE PREPARED 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JST0103	
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)

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
0.013	4.321	22746.24	1.00	20	50547	2735.2	4043.8	BEG PROJECT
4.321	4.355	179.52	-	-	-	-	-	BRIDGE A9172
4.355	7.891	18670.08	1.00	20	41489	2245.0	3319.1	END PROJECT
0.013	7.891	41595.84	-	-	-	2363.4	-	ADDTL. 300 TONS/MILE FOR SURFACE IRREGULARITIES
0.013	7.891	41595.84	-	-	-	500.2	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						7,843.8	7,362.9	
TOTAL						7,843.8	7,363	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.013	0.022	50.00	1.00	20	111	BEG PROJECT
4.312	4.321	50.00	1.00	20	111	BRIDGE A9172
4.355	4.364	50.00	1.00	20	111	BRIDGE A9172
SUBTOTAL					333	
TOTAL					333	

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

TRAFFIC CONTROL DEVICES		
ITEM NO.	QTY.	DESCRIPTION
616-10.25	25	CHANNELIZERS (TRIM-LINE)

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

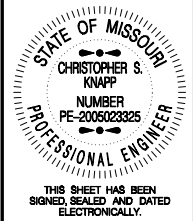
AGGREGATE ENTRANCES					
LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.013	7.891	56	2.0	112.0	PRIVATE AND FIELD ENTRANCES
0.013	7.891	16	4.0	64.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
7.883	7.891	1	4.0	4.0	END PROJECT AGGREGATE WEDGE
TOTAL				176.0	

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 8 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	16	256.00	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	G020-4a	18 X 12	1.50	14	21.00	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
(616-10.05) CONSTRUCTION SIGNS TOTAL					1383.26	
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)					1384	
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

MOBILIZATION
1 LUMP SUM

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (BP-1) = 1.948 TON/CY
TACK COAT (MILLED 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.



DATE PREPARED 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JST0103	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE								



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 EDGE LINE (LF)	
0.013	0.411	RTE T			4203		
0.411	0.533	RTE T		805			EBL INTERMITTENT AND WBL SOLID
0.533	0.547	RTE T	20				
0.547	0.689	RTE T		937			EBL SOLID AND WBL INTERMITTENT
0.689	0.913	RTE T			2365		
0.913	1.062	RTE T		983			EBL INTERMITTENT AND WBL SOLID
1.062	1.106	RTE T	60				
1.106	1.280	RTE T		1148			EBL SOLID AND WBL INTERMITTENT
1.280	1.537	RTE T			2714		
1.537	1.673	RTE T		898			EBL INTERMITTENT AND WBL SOLID
1.673	1.676	RTE T	10				
1.676	1.835	RTE T		1049			EBL SOLID AND WBL INTERMITTENT
1.835	3.337	RTE T			15861		
3.337	3.492	RTE T		1023			EBL INTERMITTENT AND WBL SOLID
3.492	3.510	RTE T			190		
3.510	3.718	RTE T		1373			EBL SOLID AND WBL INTERMITTENT
3.718	4.708	RTE T			10454		
4.708	4.841	RTE T		878			EBL INTERMITTENT AND WBL SOLID
4.841	4.880	RTE T			412		
4.880	5.014	RTE T		884			EBL SOLID AND WBL INTERMITTENT
5.014	5.574	RTE T			5914		
5.574	5.733	RTE T		1049			EBL INTERMITTENT AND WBL SOLID
5.733	5.812	RTE T	110				
5.812	5.973	RTE T		1063			EBL SOLID AND WBL INTERMITTENT
5.973	6.179	RTE T			2175		
6.179	6.400	RTE T		1459			EBL INTERMITTENT AND WBL SOLID
6.400	6.541	RTE T	190				
6.541	6.723	RTE T		1201			EBL SOLID AND WBL INTERMITTENT
6.723	6.856	RTE T			1404		
6.856	7.000	RTE T		950			EBL INTERMITTENT AND WBL SOLID
7.000	7.105	RTE T	140				
7.105	7.313	RTE T		1373			EBL SOLID AND WBL INTERMITTENT
7.313	7.522	RTE T			2207		
7.522	7.634	RTE T		739			EBL INTERMITTENT AND WBL SOLID
7.634	7.891	RTE T			2714		
0.013	7.891	RTE T				83,192	EDGE LINE
0.013	7.891	RTE T				-	EDGE LINE EXCEPTIONS
SUBTOTAL			530	17,812	50,613	83,192	
TOTAL				68,955		83,192	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI

CHRISTOPHER S. KNAPP

NUMBER
PE-2005023325

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/2/2024

ROUTE
VAR.

STATE
MO

DISTRICT
NE

SHEET NO.
3

COUNTY
VARIOUS

JOB NO.
JST0053

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)

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)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	REMARKS
15.958	16.198	1267.20	1.00	21	2957	160.0	236.6		BEG PROJECT (CHARITON RIVER)
16.198	16.248	264.00	-	-	-	-	-	-	BR. #R0308
16.248	22.298	31944.00	1.00	21	74536	4033.2	5962.9		
22.298	22.445	776.16	1.00	21	1811	98.0		181.1	COLDMILL QUEEN CITY
22.445	22.593	781.44	1.00	24	2084	112.8		208.4	COLDMILL QUEEN CITY
22.593	22.749	823.68	1.00	22	2013	108.9		201.3	COLDMILL QUEEN CITY
22.749	22.811	327.36	1.00	22	800	43.3	64.0		
22.811	23.297	2566.08	1.00	21	5988	324.0	479.0		END PROJECT
16.250	23.297	37208.16	-	-	-	2114.1	-	-	ADDTL 300 TONS/MILE FOR SURFACE IRREGULARITIES
15.958	23.297	38749.92	-	-	-	466.0	-	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						7,460.3	6,742.5	590.8	
SUBTOTAL						20.6	33.0	-	PAVED ENTRANCES
TOTAL						7,480.9	7,366		

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
22.298	22.445	776.16	1.00	21	1811	START @ WABASH ST.
22.445	22.593	781.44	1.00	24	2084	
22.593	22.749	823.68	1.00	22	2013	END @ THIRD ST.
TOTAL					5,908	

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
15.958	23.297	61	2.0	122.0	PRIVATE AND FIELD ENTRANCES
15.958	23.297	9	4.0	36.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				158.0	

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
16.676	LT	0	0.0	0	0	RTE. H (PROJECT IN SAME CONTRACT)
19.388	LT	16	0.9	2	16	ASPHALT
22.808	RT	79.4	4.3	7	79	CEDAR ST.
22.872	RT	45.6	2.5	4	46	MAIN ST.
22.872	LT	54.4	2.9	5	54	MEAN ST.
22.932	RT	49.4	2.7	4	49	WASHINGTON ST.
22.932	LT	49.4	2.7	4	49	WASHINGTON ST.
22.995	LT	85	4.6	7	85	HIRSCHELL ST.
23.036	LT		0.0	0	0	CONCRETE (17.8 SY)
SUBTOTAL			20.6	33	378	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)						
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
15.958	15.967	50.00	1.00	21	117	BEG PROJECT
16.189	16.198	50.00	1.00	21	117	BR. R0308
16.248	16.257	50.00	1.00	21	117	BR. R0308
22.289	22.298	50.00	1.00	21	117	START COLDMILL SECTION
22.749	22.758	50.00	1.00	22	122	END COLDMILL SECTION
23.288	23.297	50.00	1.00	21	117	END PROJECT
SUBTOTAL					707	
SUBTOTAL					378	PAVED ENTRANCES
TOTAL					1,085	

MOBILIZATION
1 LUMP SUM

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (BP-1) = 1.948 TON/CY
TACK COAT (MILLED 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.



DATE PREPARED 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JST0103	
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)

QUANTITY TOTALS SUMMARY

TACK COAT		
RTE	LENGTH (MI)	TACK COAT (GAL)
RTE D	12.799	12013
RTE H	5.559	5193
RTE T	7.878	7363
RTE W	7.339	7366
TOTAL		31,935

MODIFIED COLDMILLING (DEPTH TRANSITIONS)		
RTE	WIDTH (FT)	MODIFIED COLDMILLING (SY)
RTE D	20	1194
RTE H	20/36	422
RTE T	20	333
RTE W	21/22	1085
TOTAL		3,034

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (<3 IN. THICK)		
RTE	WIDTH (FT)	COLDMILLING SY
RTE D	-	0.00
RTE H	-	0.00
RTE T	-	0.00
RTE W	21-24	5908.00
TOTAL		5,908

AGGREGATE ENTRANCES			
RTE	NUMBER OF SMALL ENTRANCES (2 TONS PER)	NUMBER OF LARGE ENTRANCES (4 TONS PER)	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS
RTE D	67	16.0	198.0
RTE H	36	7.0	100.0
RTE T	56	17.0	176.0
RTE W	61	9.0	158.0
TOTAL			632.0

PAVEMENT MARKINGS			
RTE	LENGTH MILES	4" YELLOW CENTERLINE L.F.	4" WHITE EDGELINE L.F.
RTE D	12.799	130,191	-
RTE H	5.559	56,822	-
RTE T	7.878	68,955	83,192
RTE W	7.339	62,463	57,404
TOTAL		318,431	140,596



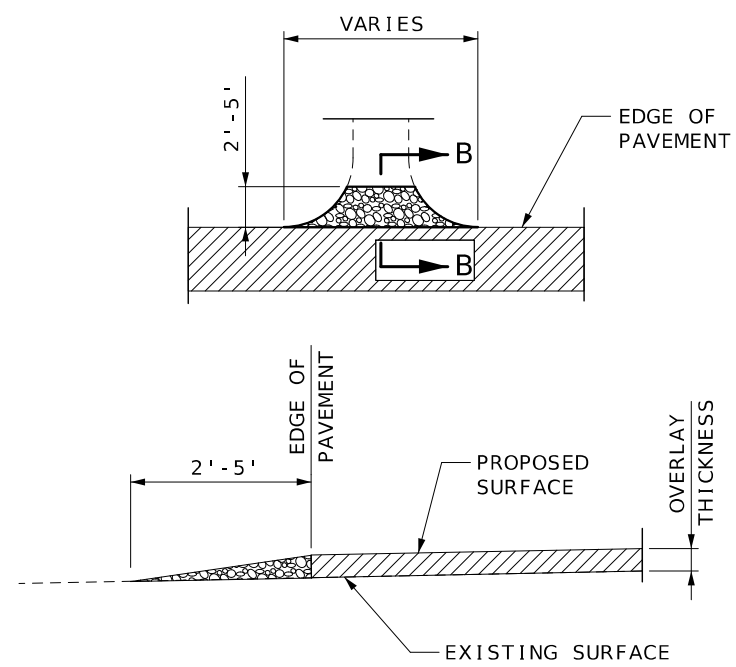
DATE PREPARED 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JST0103	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

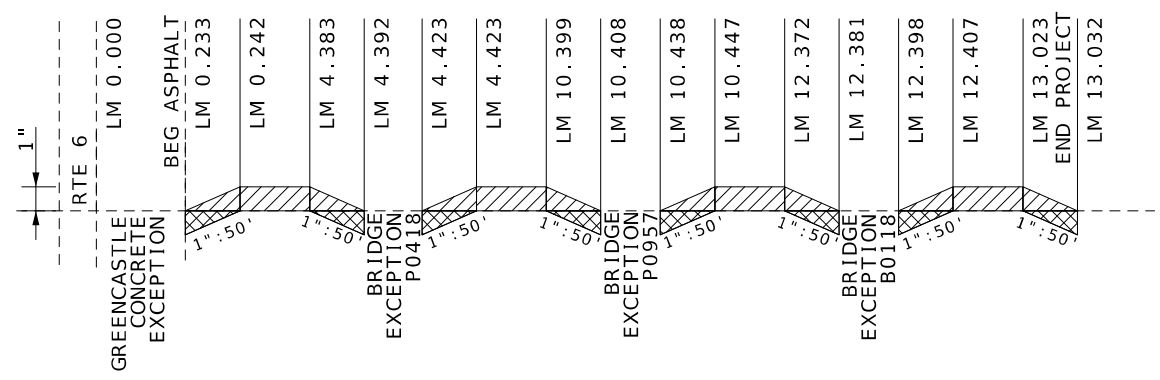
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



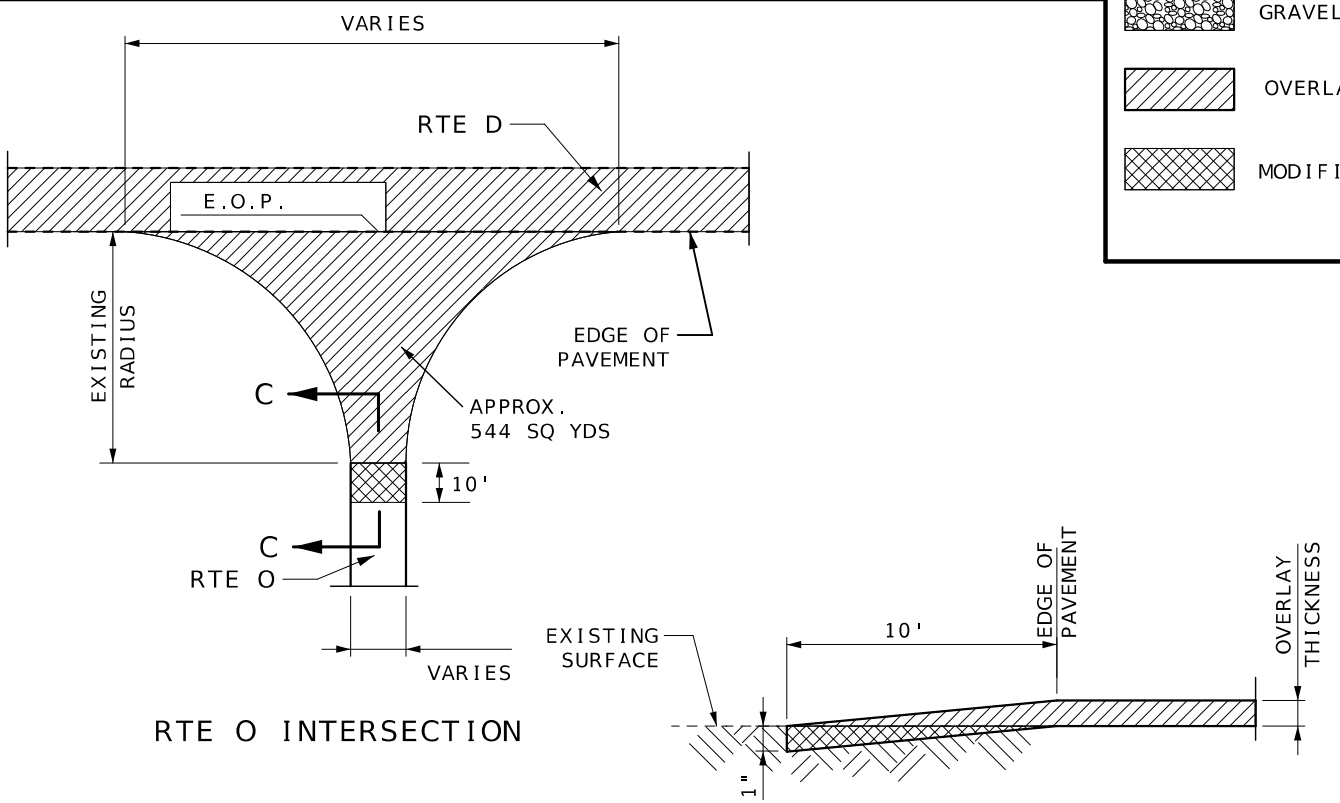
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



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



LONGITUDINAL TRAVELWAY DEPTH TRANSITION

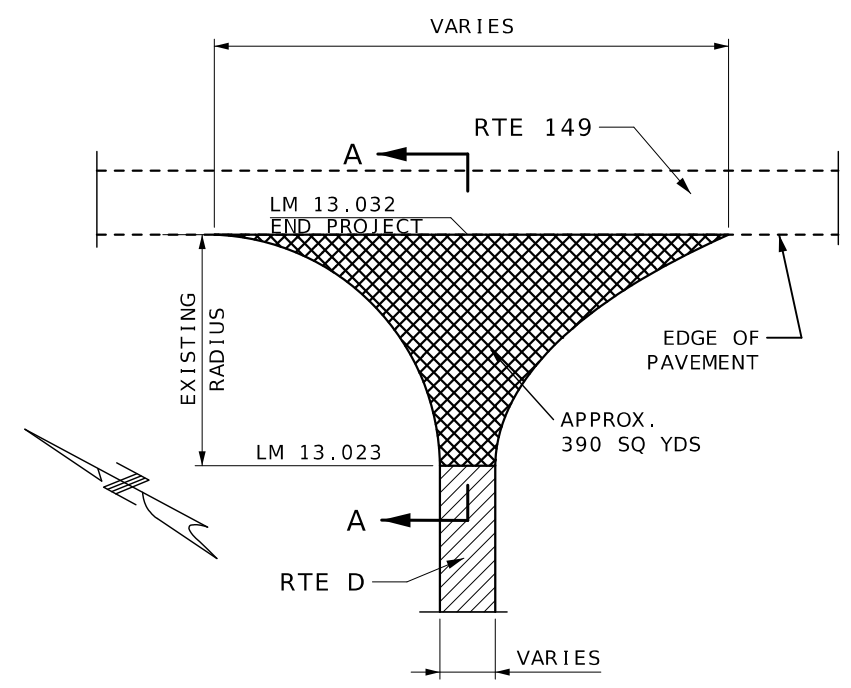


RTE O INTERSECTION

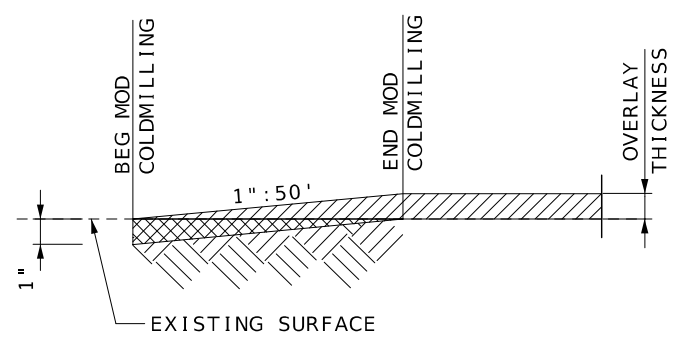
SECTION C-C
INTERSECTION OF ROUTE O

LEGEND

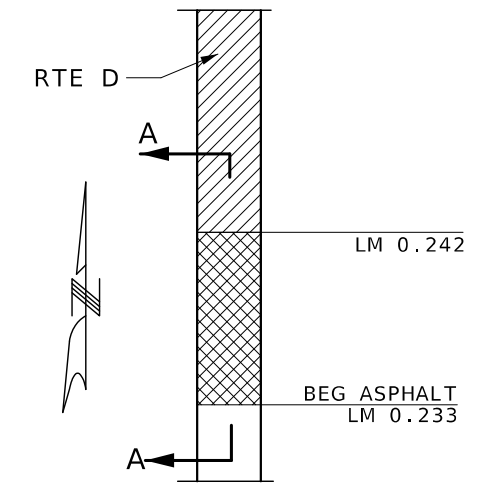
- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING



RTE 149 INTERSECTION



SECTION A-A
TRAVELWAY DEPTH TRANSITIONS



BEG. OF ASPHALT @
GREENCASTLE CITY LIMIT

STATE OF MISSOURI
CHRISTOPHER S. KNAPP
NUMBER PE-2005023325
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED	7/2/2024
ROUTE	VAR.
DISTRICT	NE
STATE	MO
SHEET NO.	4
COUNTY	VARIOUS
JOB NO.	JST0103
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

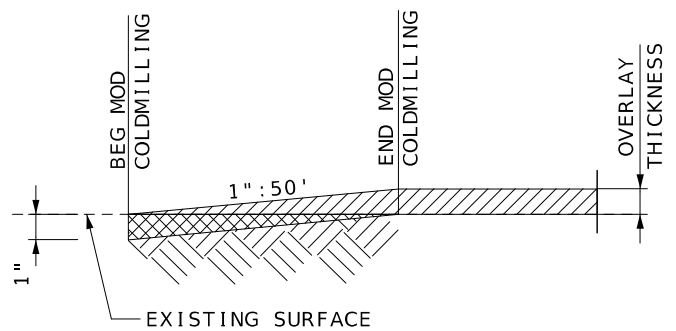
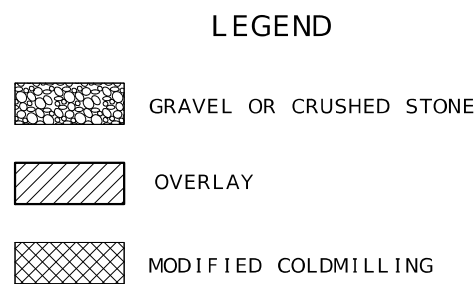
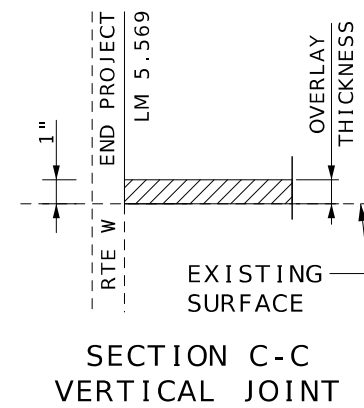
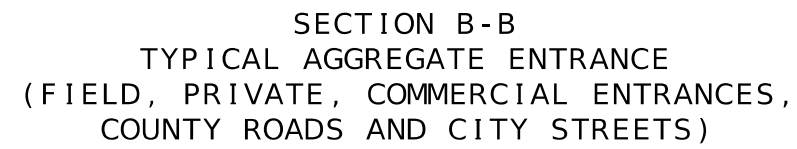
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

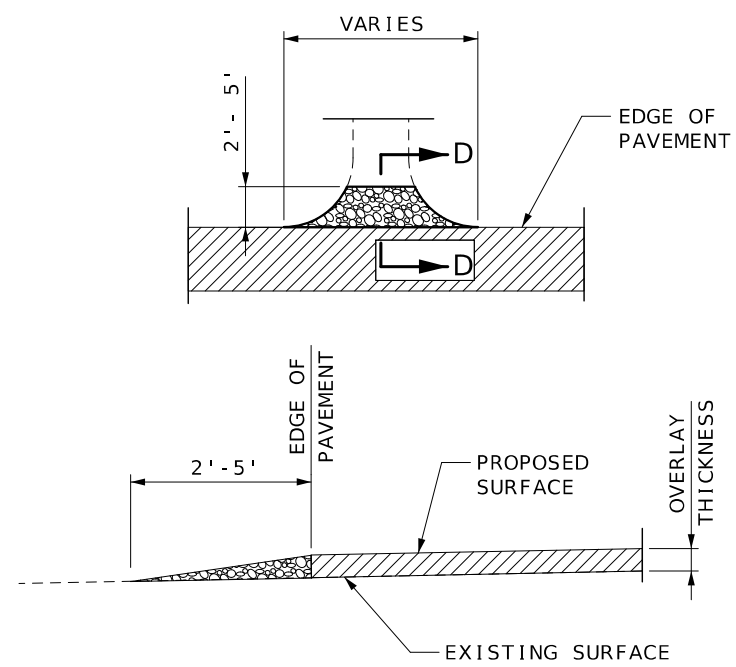
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

RTE D
SULLIVAN/ADAIR COUNTY

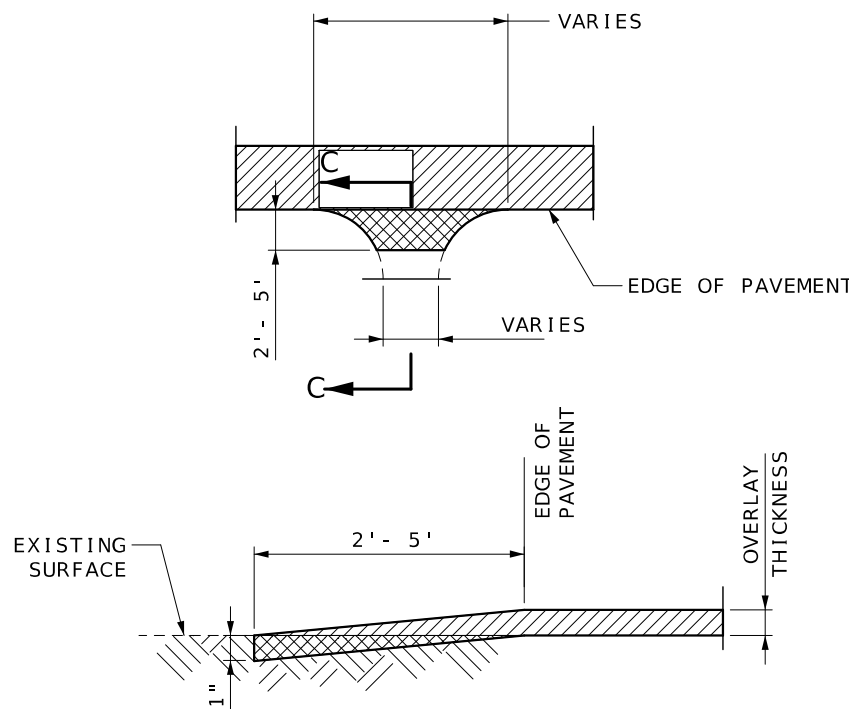
SPECIAL SHEET
SHEET 1 OF 5
NOT TO SCALE



RTE H



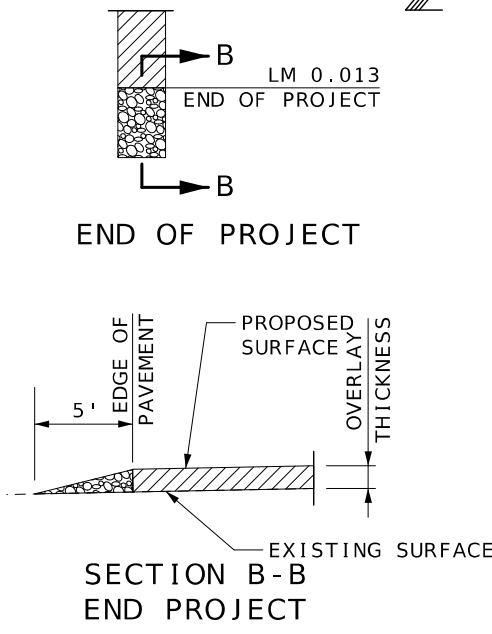
SECTION D-D
TYPICAL AGGREGATE ENTRANCE
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,
COUNTY ROADS AND CITY STREETS)



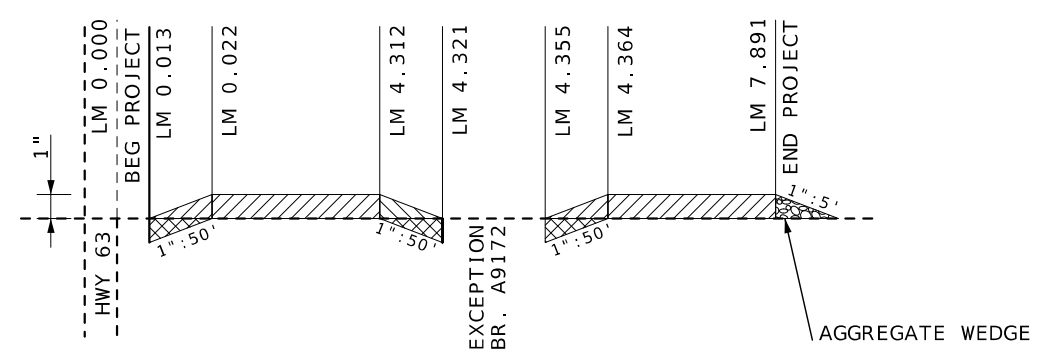
SECTION C-C
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND
PRIVATE OR COMMERCIAL ENTRANCES)

LEGEND

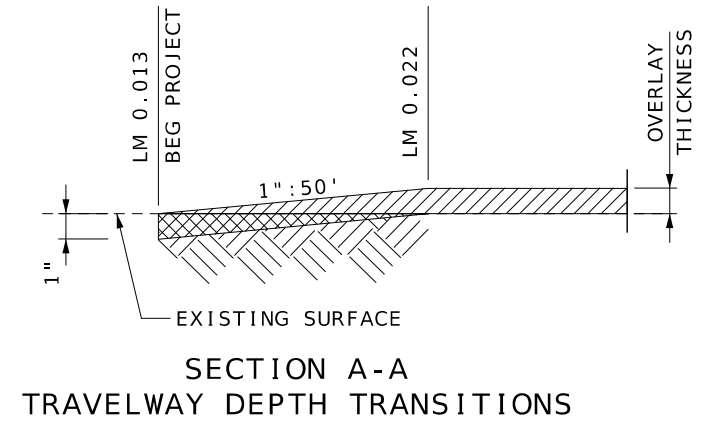
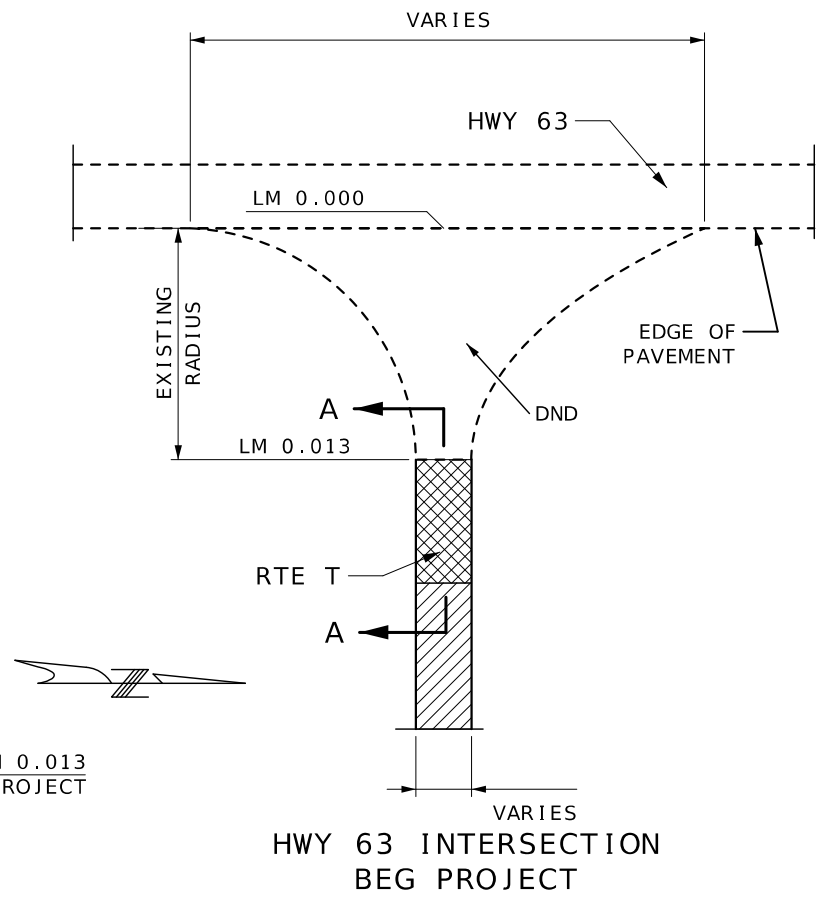
- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING



RTE T



LONGITUDINAL TRAVELWAY DEPTH TRANSITION



SECTION A-A
TRAVELWAY DEPTH TRANSITIONS

STATE OF MISSOURI

CHRISTOPHER S. KNAPP

NUMBER

PE-2005023325

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN

SIGNED, SEALED AND DATED

ELECTRONICALLY.

DATE PREPARED

7/2/2024

ROUTE

VAR.

DISTRICT

NE

STATE

MO

SHEET NO.

6

COUNTY

VARIOUS

JOB NO.

JST0103

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)

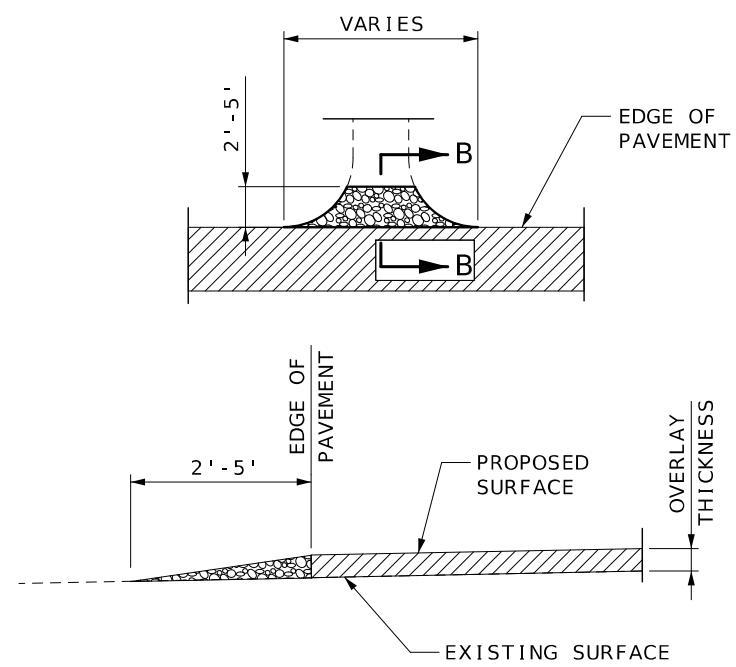
RTE T

ADAIR COUNTY

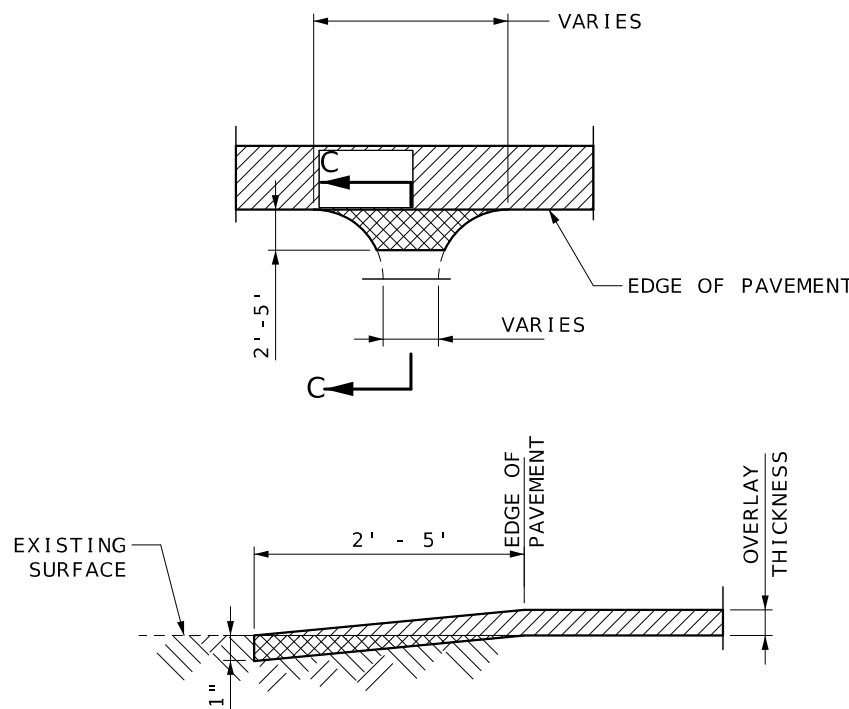
SPECIAL SHEET

SHEET 3 OF 5

NOT TO SCALE



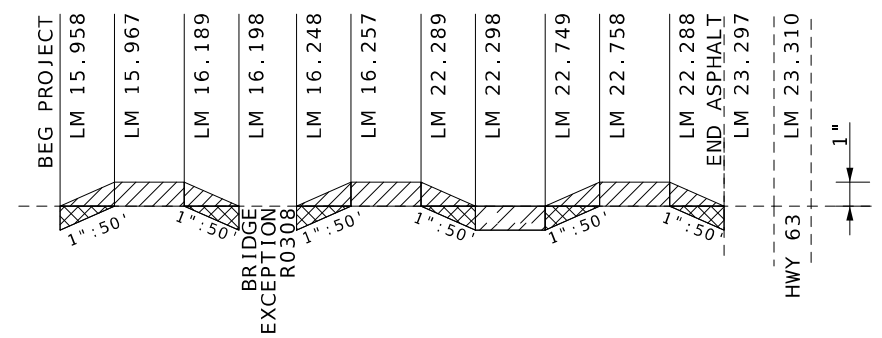
SECTION B-B
TYPICAL AGGREGATE ENTRANCE
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,
COUNTY ROADS AND CITY STREETS)



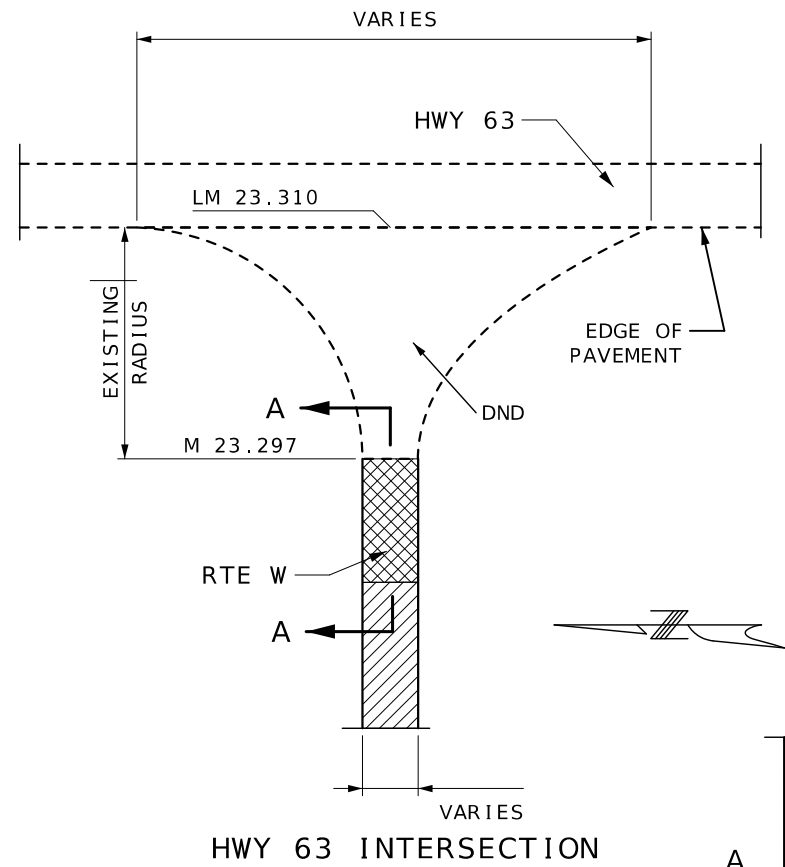
SECTION C-C
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND
PRIVATE OR COMMERCIAL ENTRANCES)

LEGEND

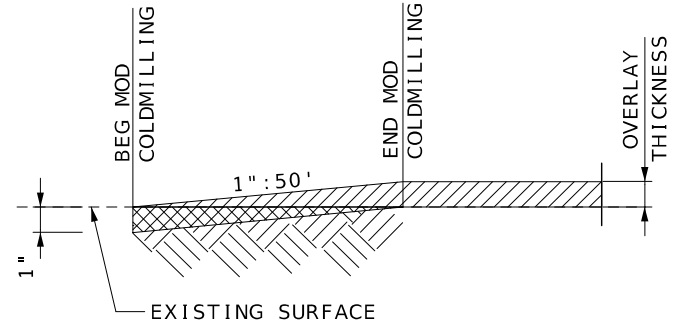
- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING
- COLDMILL AND OVERLAY



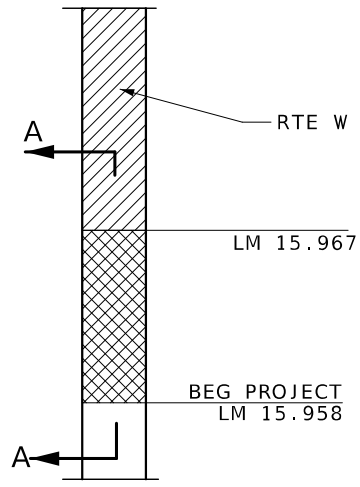
LONGITUDINAL TRAVELWAY DEPTH TRANSITION



HWY 63 INTERSECTION



SECTION A-A
TRAVELWAY DEPTH TRANSITIONS



**BEG OF PROJECT
@ BR. R0309**



DATE PREPARED 7/2/2024	
ROUTE VAR.	STATE MO
DISTRICT NE	SHEET NO. 7
COUNTY VARIOUS	
JOB NO. JST0103	
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 W
SCHUYLER COUNTY

SPECIAL SHEET
SHEET 4 OF 5
NOT TO SCALE

