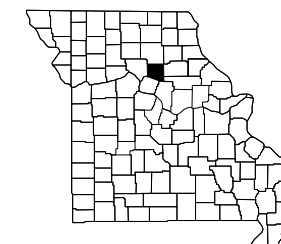


DESIGN DESIGNATION

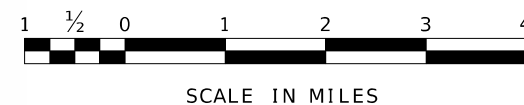
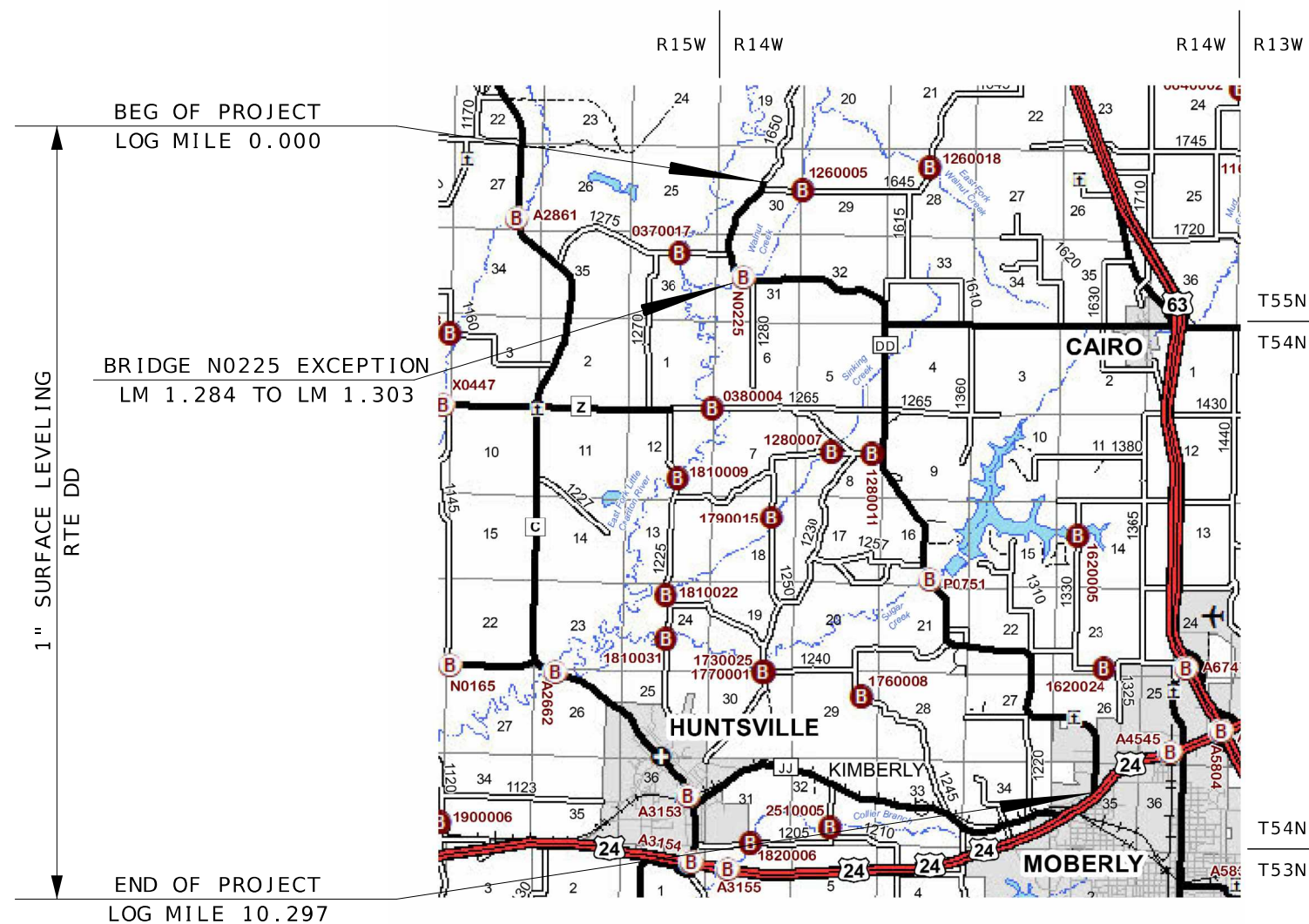
A.A.D.T - 2022 = 519  
V = 55 M.P.H

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY RANDOLPH COUNTY

T55N-T54N, R14W

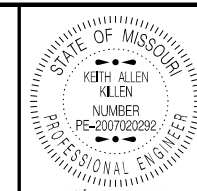


KEY MAP  
SHOWING LOCATION OF COUNTY



### INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (2 SHEETS)-----	3
SPECIAL SHEET (SS) (2 SHEETS)-----	4-5



DATE PREPARED  
**7/30/2024**

ROUTE STATE  
**DD MO**

DISTRICT SHEET NO.  
**NE 1**

COUNTY  
**RANDOLPH**

JOB NO.  
**JNE0040**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

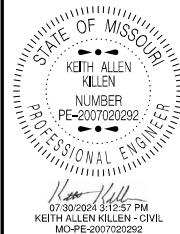
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

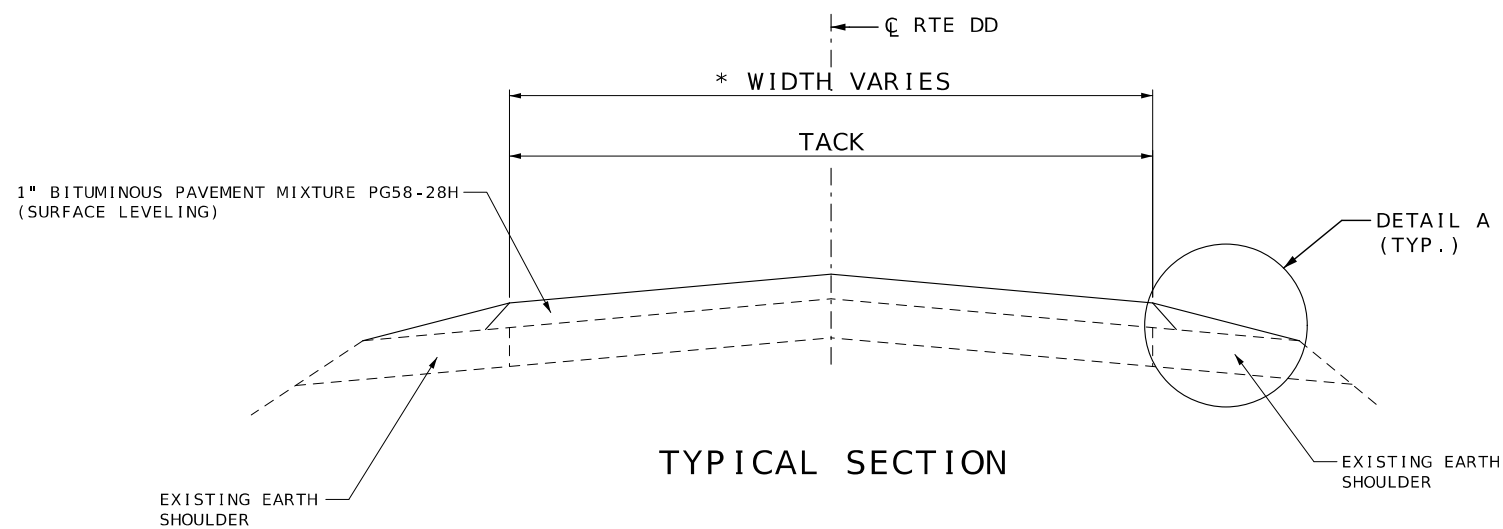
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

### LENGTH OF PROJECT

RTE DD	
BEGIN OF PROJECT	LOG MILE 0.000
END OF PROJECT	LOG MILE 10.297
APPARENT LENGTH	MILES 10.297
EQUATIONS AND EXCEPTIONS:	
BRIDGE N0225	0.019 MILES
TOTAL CORRECTIONS	0.019 MILES
NET LENGTH OF PROJECT	10.278 MILES
STATE LENGTH	10.278 MILES



DATE PREPARED  
**7/30/2024**  
 ROUTE STATE  
**DD MO**  
 DISTRICT SHEET NO.  
**NE 2**  
 COUNTY  
**RANDOLPH**  
 JOB NO.  
**JNE0040**  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

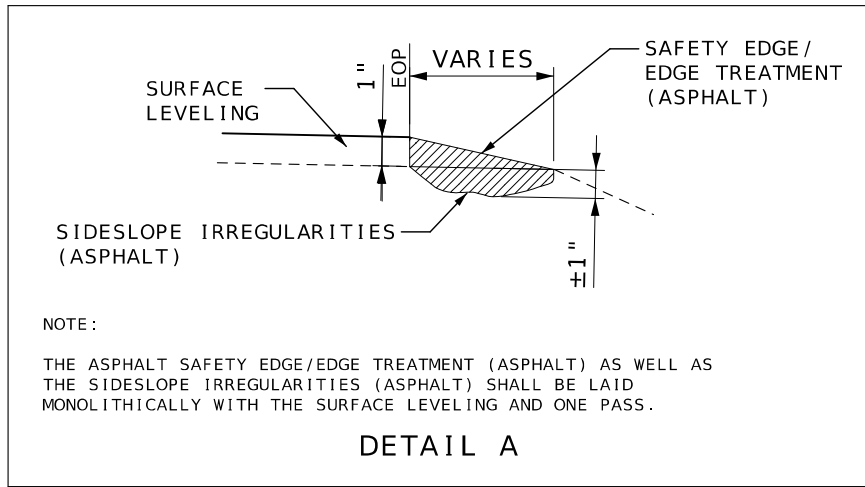


- \* LOG MI. 0.000 TO 1.284 † - 21'
- \* LOG MI. 1.303 TO 4.162 - 21'
- \* LOG MI. 4.162 TO 8.113 - 22'
- \* LOG MI. 8.113 TO 10.297 - 24'

† BRIDGE N0225 EXCEPTION  
 LOG MI. 1.284 TO 1.303

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 (COLDMILLING SURFACE)	= 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT	= 1.40 TONS / CY OF LOOSE AGG.



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

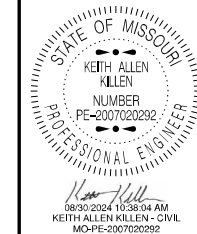
DATE	DESCRIPTION

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) 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	1.284	6779.52	1.00	21	15819	856.0	1265.5	BEG PROJECT TO BRIDGE N0225
1.303	4.162	15095.52	1.00	21	35223	1906.0	2817.8	
4.162	8.113	20861.28	1.00	22	50994	2759.3	4079.5	
8.113	10.297	11531.52	1.00	24	30751	1664.0	2460.1	END PROJECT
0.000	10.297	54368.16	-	-	-	1544.6	-	ADDTL. 150 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	10.297	54368.16	-	-	-	653.8	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						9,383.7	10,622.9	
SUBTOTAL						62.1	122.0	PAVED ENTRANCES
TOTAL						9,445.8	10,745	

<b>MOBILIZATION</b>
1 LUMP SUM



DATE PREPARED  
8/30/2024

ROUTE DD STATE MO  
DISTRICT NE SHEET NO. 3

COUNTY RANDOLPH  
JOB NO. JNE0040  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES

LOG MILE	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
3.233	352	19.0	36	27	RTE Z
8.317	20	1.1	2	20	CONCRETE DRIVEWAY
9.095	25	1.4	3	25	CONCRETE BUSINESS
9.315	50	2.7	5	50	CONCRETE
9.658	84	4.5	9	84	CONCRETE - JOHN TOMS ROAD
9.718	39	2.1	4	39	ASPHALT
9.818	89	4.8	9	89	CONCRETE - BECFLO DR
9.938	42	2.3	5	42	CONCRETE
9.957	62	3.4	7	62	CONCRETE
10.057	78	4.2	8	78	ASPHALT AND CONCRETE - RIGHT
10.057	28	1.5	3	28	CONCRETE - LEFT
10.095	42	2.3	5	42	CONCRETE - RIGHT
10.095	59	3.2	6	59	CONCRETE - LEFT
10.178	28	1.5	3	28	CONCRETE
10.195	34	1.8	4	34	ASPHALT
10.235	28	1.5	3	28	CONCRETE
10.238	45	2.4	5	45	ASPHALT
10.240	45	2.4	5	45	ASPHALT
SUBTOTAL		62.1	122	825	

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	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 - 10 TOTAL						
2	W020-1	48 X 48	16.00	10	160.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	10	160.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	10	160.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	10	15.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 1 TOTAL						
2	W020-1	48 X 48	16.00	1	16.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	1	16.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	1	16.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	1	8.75	PILOT CAR IN USE WAIT & FOLLOW
TOTAL					1402.01	

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

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	-	-	-	6.0	START OF PROJECT
0.000	10.297	84	2.0	168.0	PRIVATE AND FIELD ENTRANCES
0.000	10.297	9	4.0	36.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				210.0	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
1.275	1.284	50.00	1.00	21	117	BRIDGE N0225
1.303	1.312	50.00	1.00	21	117	
10.288	10.297	50.00	1.00	24	133	COLDMILL AT END PROJECT
SUBTOTAL					367	
SUBTOTAL					825	PAVED ENTRANCES
TOTAL					1,192	

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

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

LUMP SUM TEMPORARY TRAFFIC CONTROL

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

PAVEMENT REPLACEMENT

LOG MILE	MISC. REMOVAL OF DAMAGED PAVEMENT (SY)	MISC. REPLACEMENT OF DAMAGED PAVEMENT (TON)	REMARKS
VARIOUS	510	200	
TOTAL	510	200	

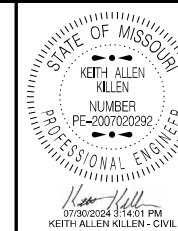
DESCRIPTION  
DATE  
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



**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	0.897	RTE DD			9472		
0.897	0.978	RTE DD		535			SBL INTERMITTENT AND NBL SOLID
0.978	1.018	RTE DD			422		
1.018	1.138	RTE DD		792			SBL SOLID AND NBL INTERMITTENT
1.138	1.318	RTE DD			1901		
1.318	1.438	RTE DD		792			SBL INTERMITTENT AND NBL SOLID
1.438	1.478	RTE DD			422		
1.478	1.578	RTE DD		660			SBL SOLID AND NBL INTERMITTENT
1.578	1.757	RTE DD			1890		
1.757	1.897	RTE DD		924			SBL INTERMITTENT AND NBL SOLID
1.897	2.095	RTE DD		1307			SBL SOLID AND NBL INTERMITTENT
2.095	3.360	RTE DD			13358		
3.360	3.500	RTE DD		924			SBL INTERMITTENT AND NBL SOLID
3.500	3.640	RTE DD			1478		
3.640	3.820	RTE DD		1188			SBL SOLID AND NBL INTERMITTENT
3.820	3.940	RTE DD			1267		
3.940	4.060	RTE DD		792			SBL INTERMITTENT AND NBL SOLID
4.060	4.080	RTE DD			211		
4.080	4.180	RTE DD		660			SBL SOLID AND NBL INTERMITTENT
4.180	4.259	RTE DD			834		
4.259	4.399	RTE DD		924			SBL INTERMITTENT AND NBL SOLID
4.399	4.560	RTE DD		1063			SBL SOLID AND NBL INTERMITTENT
4.560	4.940	RTE DD			4013		
4.940	5.079	RTE DD		917			SBL INTERMITTENT AND NBL SOLID
5.079	5.278	RTE DD	270				
5.278	5.477	RTE DD		1313			SBL SOLID AND NBL INTERMITTENT
5.477	6.181	RTE DD			7434		
6.181	6.320	RTE DD		917			SBL INTERMITTENT AND NBL SOLID
6.320	7.457	RTE DD			12007		
7.457	7.536	RTE DD		521			SBL INTERMITTENT AND NBL SOLID
7.536	7.876	RTE DD	450				
7.876	7.996	RTE DD		792			SBL SOLID AND NBL INTERMITTENT
7.996	8.117	RTE DD			1278		
8.117	8.299	RTE DD		1201			SBL INTERMITTENT AND NBL SOLID
8.299	8.498	RTE DD		1313			SBL SOLID AND NBL INTERMITTENT
8.498	8.816	RTE DD			3358		
8.816	9.017	RTE DD		1327			SBL INTERMITTENT AND NBL SOLID
9.017	9.035	RTE DD			190		
9.035	9.176	RTE DD		931			SBL SOLID AND NBL INTERMITTENT
9.176	9.678	RTE DD			5301		
9.678	9.798	RTE DD		792			SBL INTERMITTENT AND NBL SOLID
9.798	10.288	RTE DD	650				
10.288	10.297	RTE DD			95		
3.175	10.297	RTE DD				75208	
0.119	10.297	RTE DD				-190	EDGELINE EXCEPTIONS
SUBTOTAL			1,370	20,585	64,931	75,018	
TOTAL				86,886		75,018	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING




DATE PREPARED  
**7/30/2024**  
ROUTE DD STATE MO  
DISTRICT NE SHEET NO. 3

COUNTY  
**RANDOLPH**  
JOB NO.  
**JNE0040**  
CONTRACT ID.

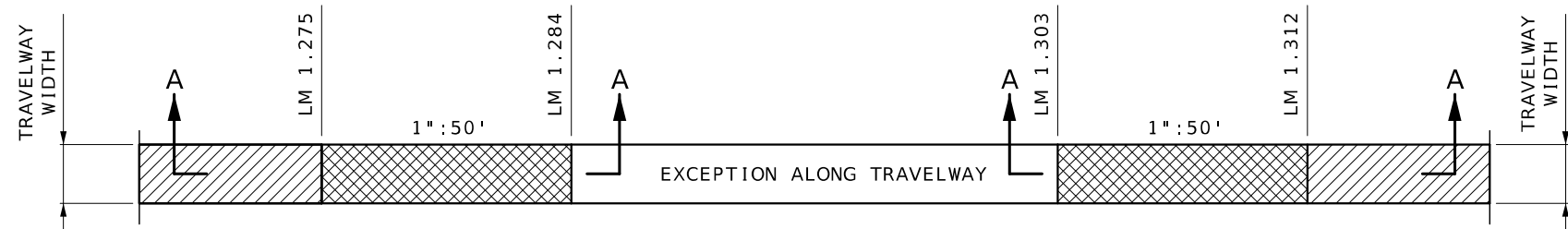
PROJECT NO.

BRIDGE NO.

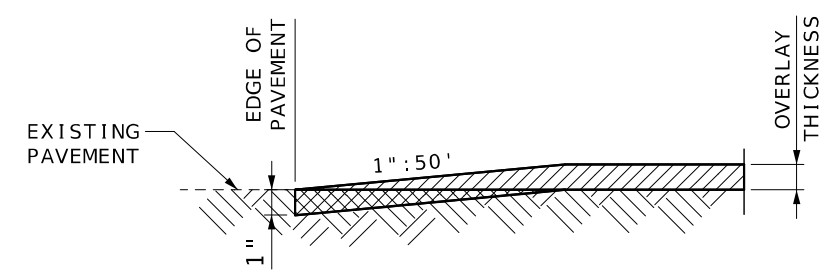
DATE	DESCRIPTION

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

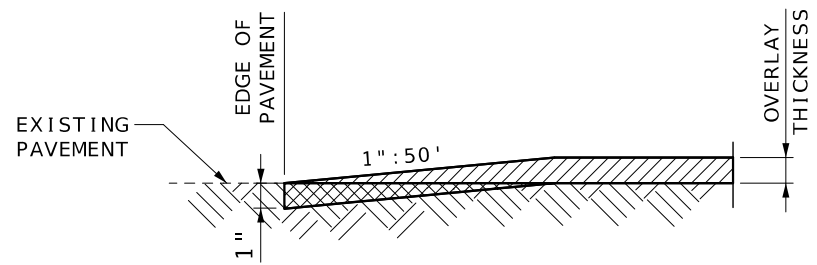
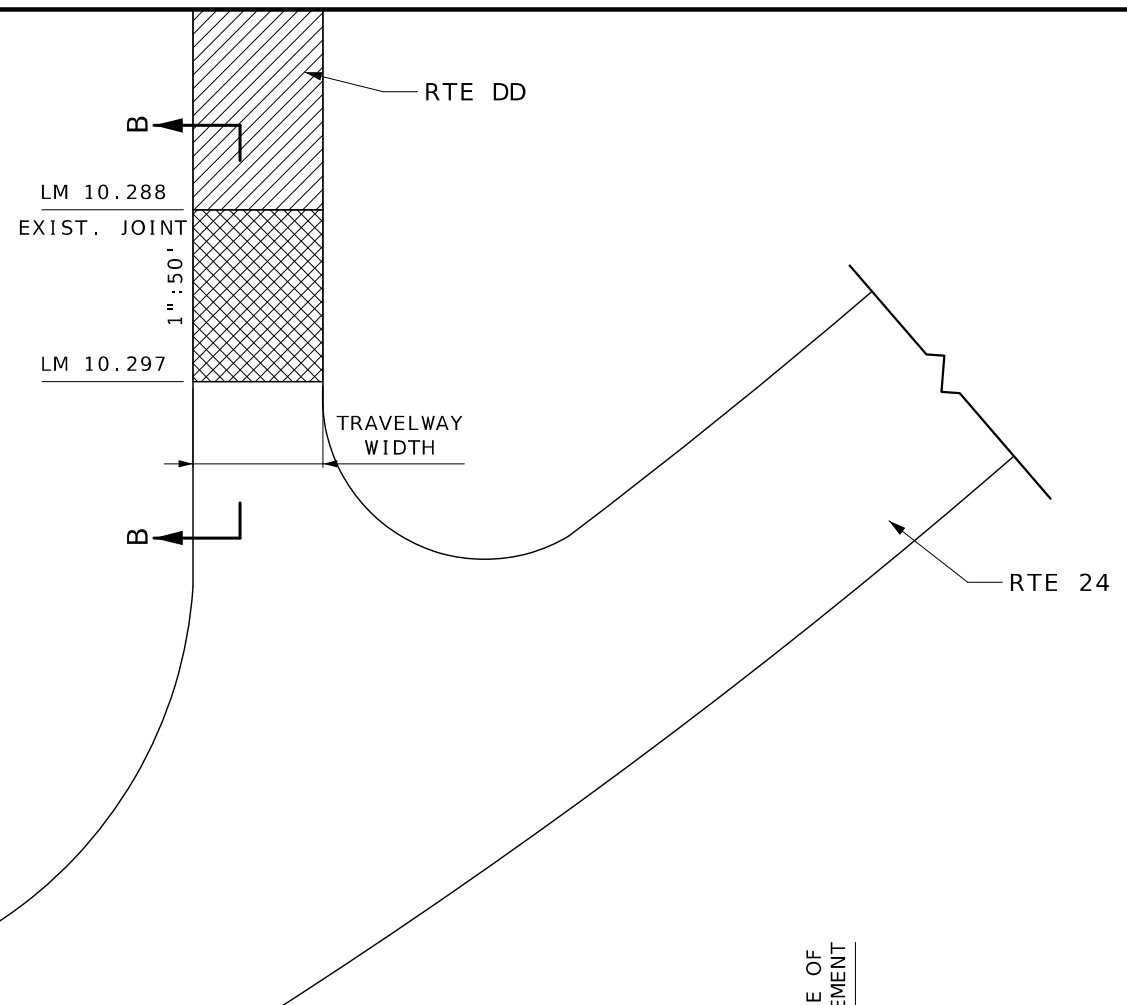




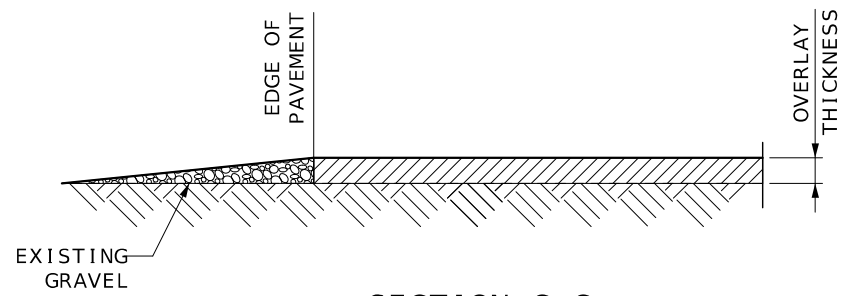
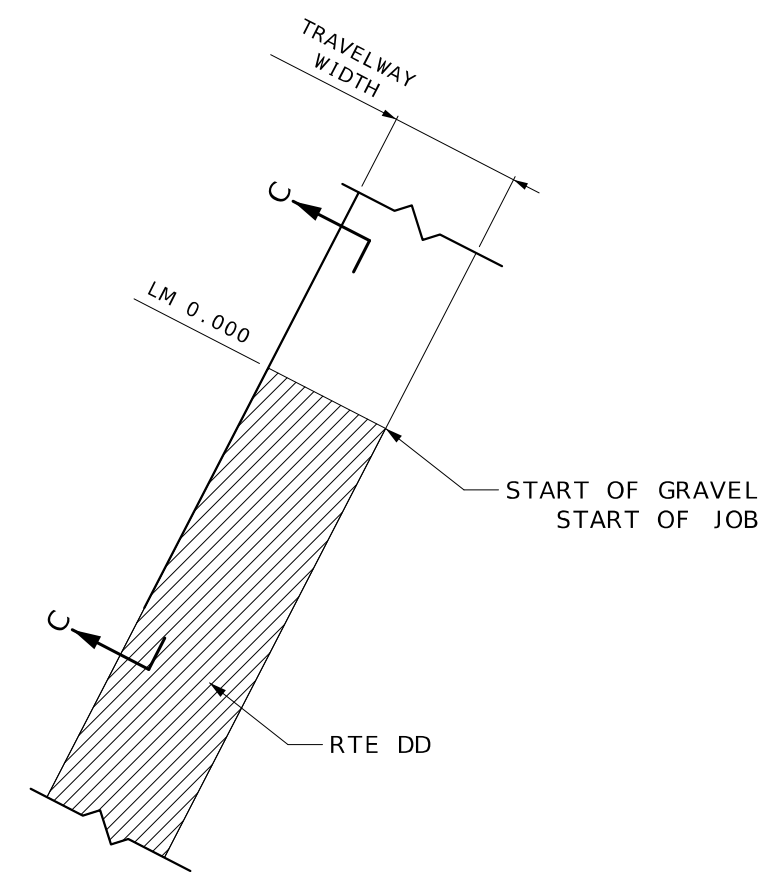
BRIDGE N0225 EXCEPTION



SECTION A-A  
TRAVELWAY DEPTH TRANSITIONS



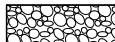


SECTION B-B  
TRAVELWAY DEPTH TRANSITIONS  
END OF PROJECT



SECTION C-C  
TRAVELWAY DEPTH TRANSITIONS  
START OF PROJECT

LEGEND

-  OVERLAY
-  MODIFIED COLDMILLING
-  GRAVEL OR CRUSHED STONE



STATE OF MISSOURI  
KEITH ALLEN KILLEN  
NUMBER  
PE-2007020292  
PROFESSIONAL ENGINEER

DATE PREPARED  
7/30/2024

ROUTE DD STATE MO  
DISTRICT NE SHEET NO. 5

COUNTY  
RANDOLPH

JOB NO.  
JNE0040


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)

SPECIAL SHEET  
SHEET 2 OF 2  
NOT TO SCALE

DESIGN DESIGNATION

A.A.D.T. - 2025 = 684 (ARAN)

V = 55 M.P.H.

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

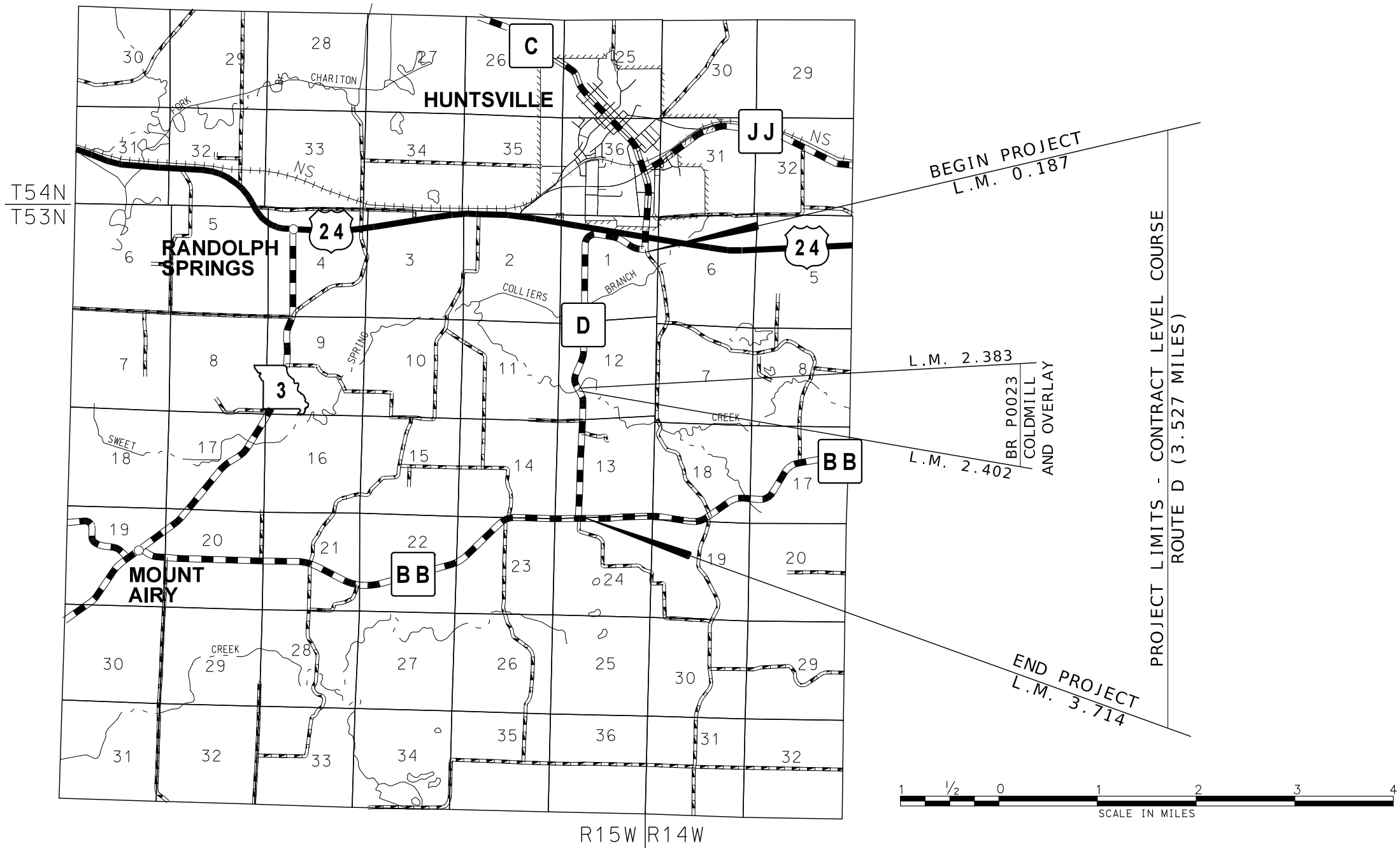
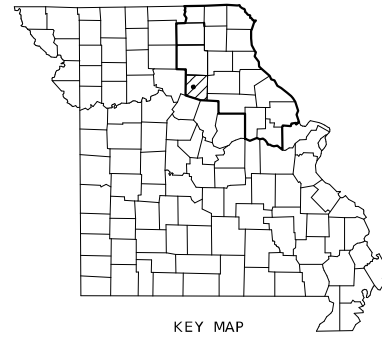
## PLANS FOR PROPOSED

### STATE HIGHWAY

#### RANDOLPH COUNTY

#### ROUTE D CLC

NORTHEAST DISTRICT  
RANDOLPH COUNTY



INDEX OF SHEETS	
DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (1 SHEET)-----	3
SPECIAL SHEET (SS) (2 SHEETS)-----	4-5

DATE PREPARED  
**7/30/2024**

ROUTE	STATE
<b>D</b>	<b>MO</b>
DISTRICT	SHEET NO.
<b>NE</b>	<b>1</b>

COUNTY  
**RANDOLPH**

JOB NO.  
**JNE0078**

CONTRACT ID.

PROJECT NO.

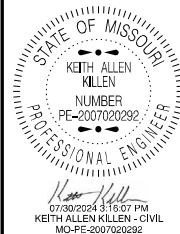
BRIDGE NO.

LENGTH OF PROJECT		
BEGINNING OF PROJECT	LOG MILE	0.187
END OF PROJECT	LOG MILE	3.714
APPARENT LENGTH		3.527 MILES
EQUATIONS AND EXCEPTIONS:		0.000 MILES

TOTAL CORRECTIONS	0.000 MILES
NET LENGTH OF PROJECT	3.527 MILES
STATE LENGTH	3.527 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.0 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
7/30/2024

ROUTE STATE  
D MO

DISTRICT SHEET NO.  
NE 2

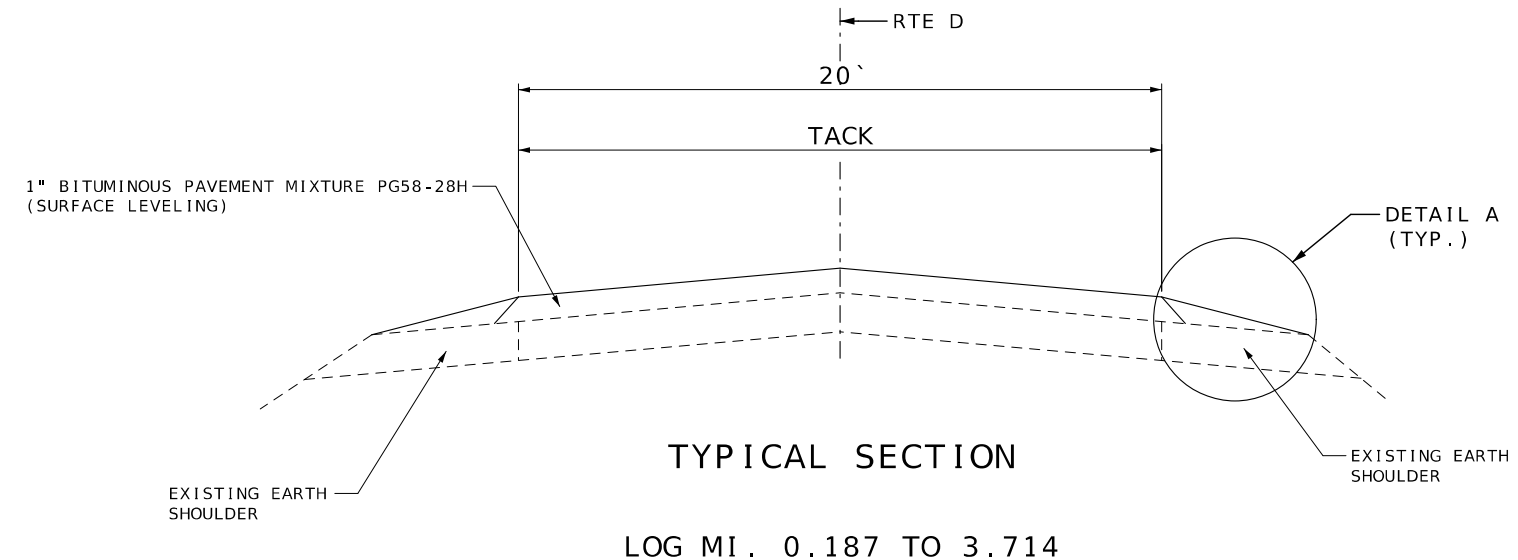
COUNTY  
RANDOLPH

JOB NO.  
JNE0078

CONTRACT ID.

PROJECT NO.

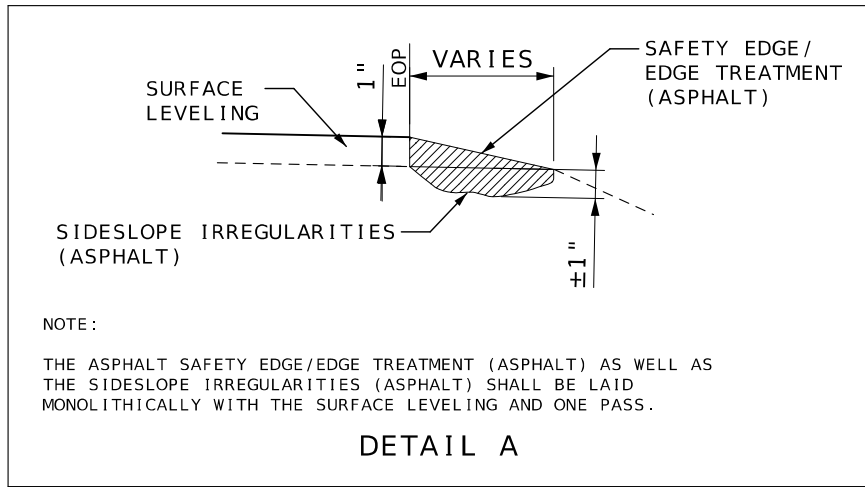
BRIDGE NO.



TYPICAL SECTION  
LOG MI. 0.187 TO 3.714

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 (COLDMILLING SURFACE)	= 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT	= 1.40 TONS / CY OF LOOSE AGG.



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	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



**1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING) 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 0.1 GAL/ SQ. YD. (GAL)	REMARKS
0.187	2.383	11594.88	1.00	20	25766	1394.2	2061.3		BEG PROJECT TO BRIDGE P0023
2.383	2.402	100.32	1.00	20	223	12.1	17.8	1.2	BRIDGE P0023 COLDMILL AND OVERLAY
2.402	3.697	6837.60	1.00	20	15195	822.2	1215.6		
3.697	3.714	89.76	1.00	-	400	21.6	32.0		END PROJECT - APRON AREA
0.187	3.714	18622.56	-	-	-	529.1	-	-	ADDTL. 150 TONS/MILE FOR SURFACE IRREGULARITIES
0.187	3.714	18622.56	-	-	-	223.9	-	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
					SUBTOTAL	3,003.1	3,326.7	1.2	
					SUBTOTAL	1.7	3.0	31.0	PAVED ENTRANCES
					TOTAL	3,004.8	3,362		

**MODIFIED COLDMILLING (DEPTH TRANSITIONS)**

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.187	0.196	50.00	1.00	20	111	COLDMILL AT START OF PROJECT
2.374	2.383	50.00	1.00	20	111	BRIDGE P0023
2.402	2.411	50.00	1.00	20	111	
					SUBTOTAL	333
					SUBTOTAL	31
					TOTAL	364

**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
2.383	2.402	100.32	1.00	20	223	ACROSS BRIDGE P0023
					TOTAL	223

**STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES**

LOG MILE	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
0.862	31	1.7	3	31	RT CONCRETE - HOUSE
	SUBTOTAL	1.7	3	31	

**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	10.297	29	2.0	58.0	PRIVATE AND FIELD ENTRANCES
0.000	10.297	1	4.0	4.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
			TOTAL	62.0	

**MOBILIZATION**

1 LUMP SUM

**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)	
0.187	1.400	RTE D			12809		
1.400	1.621	RTE D		1459		SBL INTERMITTENT AND NBL SOLID	
1.621	1.641	RTE D	30				
1.641	1.799	RTE D		1043		SBL SOLID AND NBL INTERMITTENT	
1.799	2.297	RTE D			5259		
2.475	3.705	RTE D			12989		
0.187	3.697	RTE D				37066	
0.187	3.714	RTE D				-190	
		SUBTOTAL	30	2,502	31,057	36,876	
		TOTAL		33,589		36,876	

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 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 - 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
					TOTAL	696.26

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

**TRAFFIC CONTROL DEVICES**

QTY	DESCRIPTION
25	CHANNELIZERS (TRIM-LINE)

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

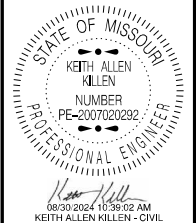
**LUMP SUM TEMPORARY TRAFFIC CONTROL**

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

**PAVEMENT REPLACEMENT**

LOG MILE	MISC. REMOVAL OF DAMAGED PAVEMENT (SY)	MISC. REPLACEMENT OF DAMAGED PAVEMENT (TON)	REMARKS
VARIOUS	180	70	
TOTAL	180	70	

SUMMARY OF QUANTITIES  
SHEET 1 OF 1



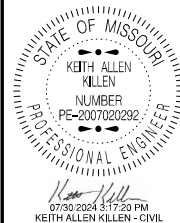
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**8/30/2024**  
ROUTE **D** STATE **MO**  
DISTRICT **NE** SHEET NO. **3**  
COUNTY  
**RANDOLPH**  
JOB NO.  
**JNE0078**  
CONTRACT ID.

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)





DATE PREPARED  
7/30/2024

ROUTE D STATE MO

DISTRICT NE SHEET NO. 4

COUNTY  
RANDOLPH

JOB NO.  
JNE0078

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

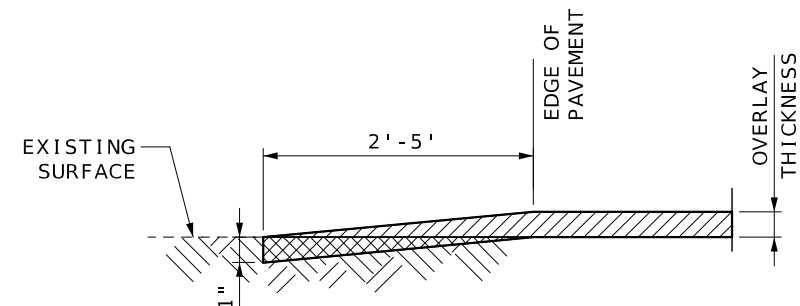
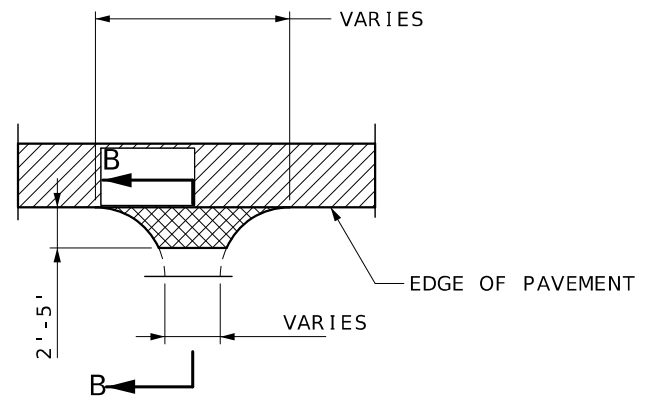
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

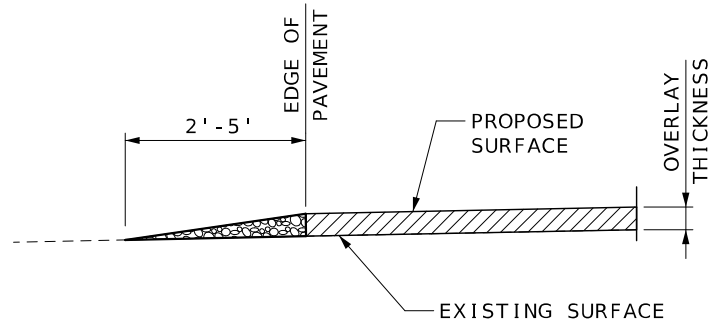
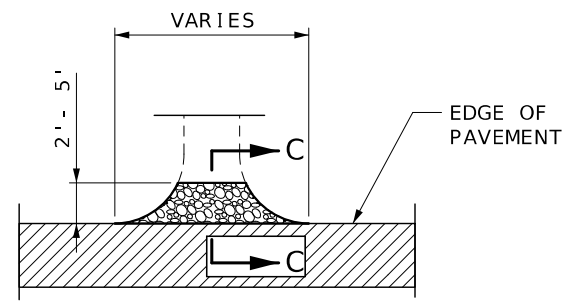
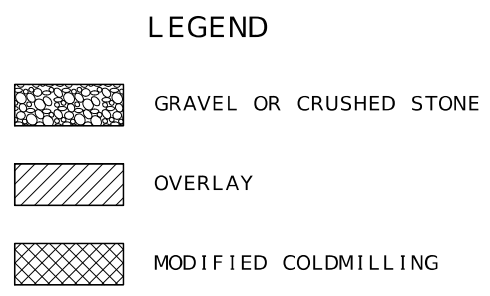


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

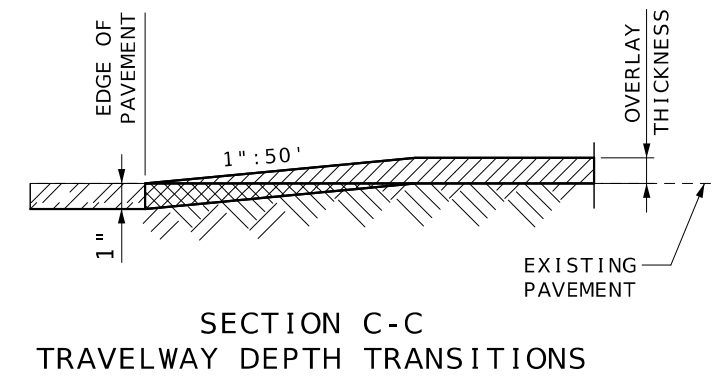
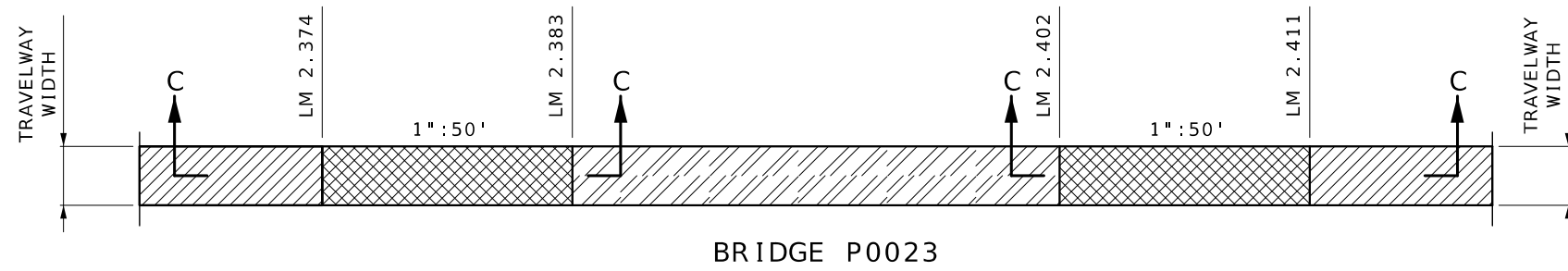
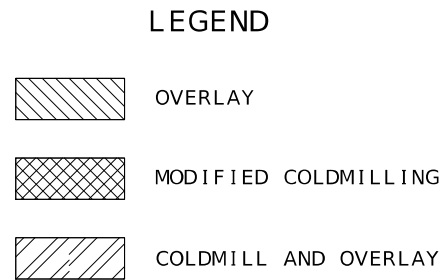
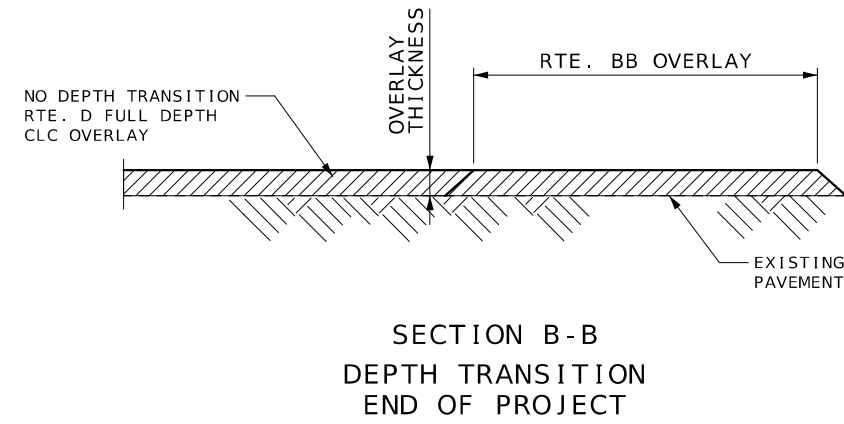
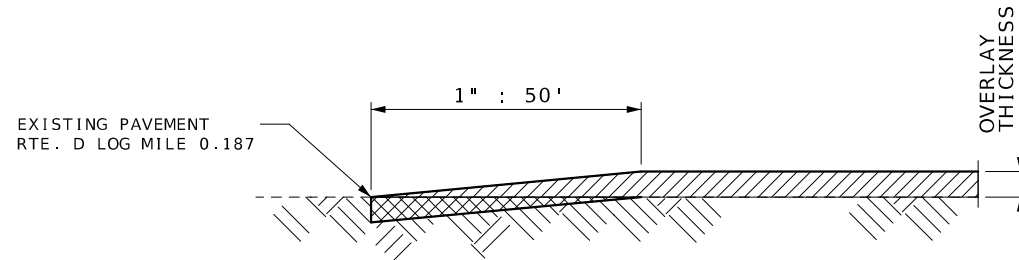
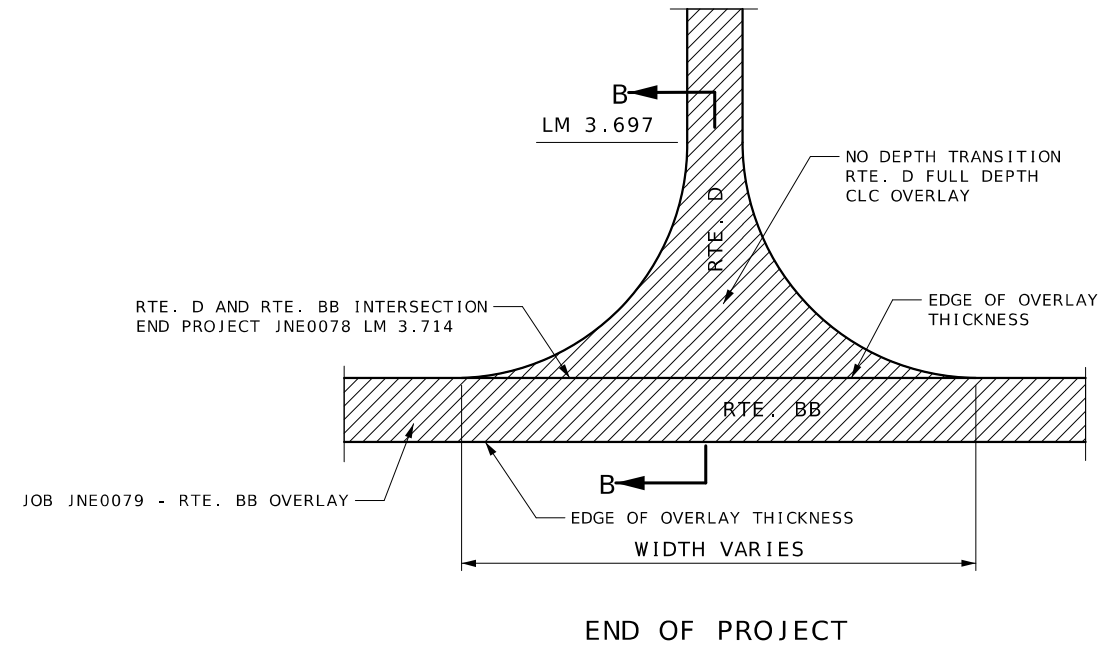
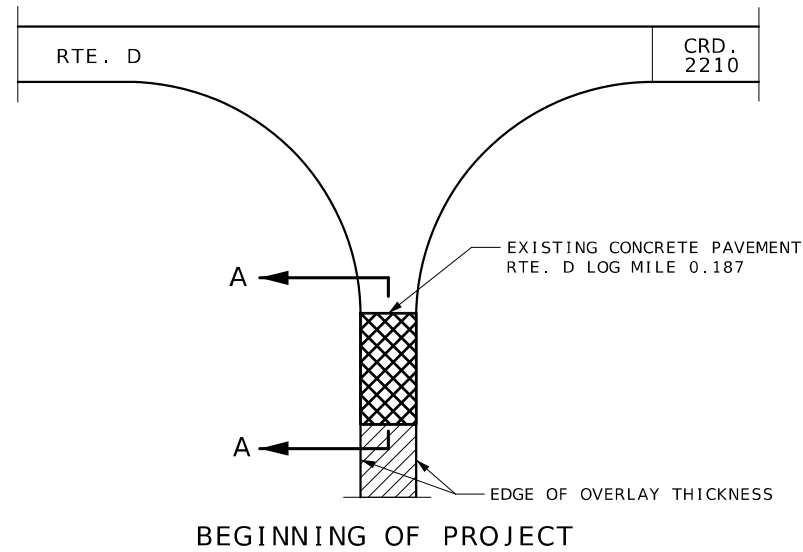
SPECIAL SHEET  
SHEET 1 OF 2  
NOT TO SCALE



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



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



DATE PREPARED  
7/30/2024 3:17:49 PM  
KEITH ALLEN KELLEN - CIVIL  
MO-PE-2007020292

7/30/2024	
ROUTE D	STATE MO
DISTRICT NE	SHEET NO. 5
COUNTY RANDOLPH	
JOB NO. JNE0078	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

SPECIAL SHEET  
SHEET 2 OF 2  
NOT TO SCALE

DESIGN DESIGNATION

A.A.D.T. - 2025 = 796 (ARAN)

V = 55 M.P.H.

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

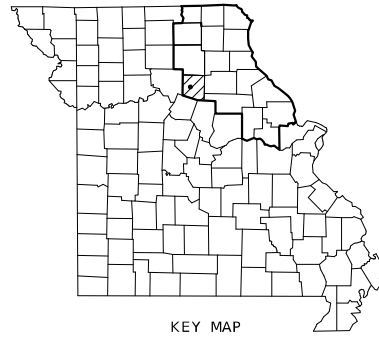
## PLANS FOR PROPOSED

### STATE HIGHWAY

#### RANDOLPH COUNTY

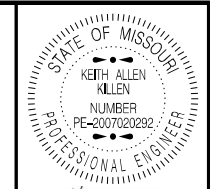
#### ROUTE BB CLC

NORTHEAST DISTRICT  
RANDOLPH COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (2 SHEETS)-----	3
SPECIAL SHEET (SS) (1 SHEET)-----	4



DATE PREPARED  
**7/30/2024**

ROUTE STATE  
**BB MO**

DISTRICT SHEET NO.  
**NE 1**

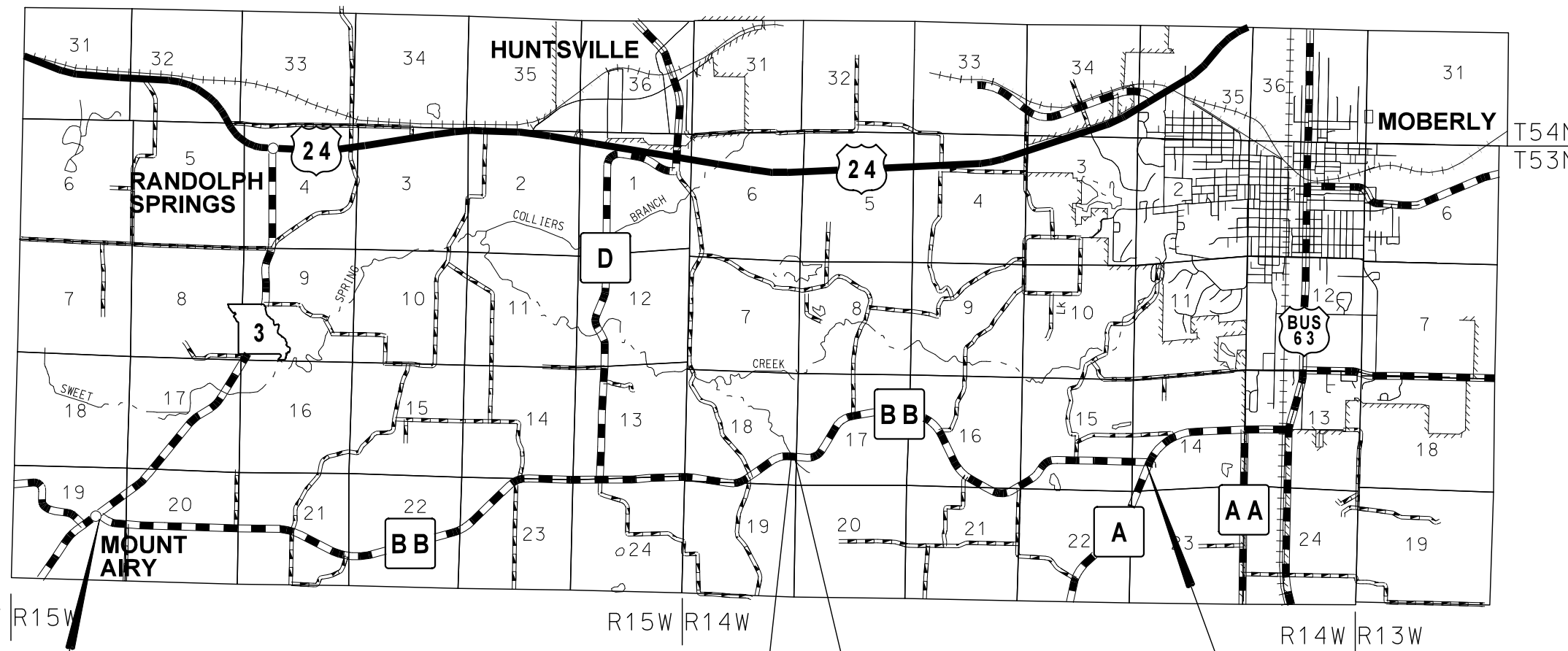
COUNTY  
**RANDOLPH**

JOB NO.  
**JNE0079**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



BEGIN PROJECT  
L.M. 0.000

L.M. 6.505  
BRIDGE  
N0879  
COLDMILL AND OVERLAY

L.M. 6.522

END PROJECT  
L.M. 10.284

PROJECT LIMITS - CONTRACT LEVEL COURSE  
ROUTE BB (10.284 MILES)

LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE	0.000
END OF PROJECT	LOG MILE	10.284
APPARENT LENGTH		10.284 MILES
EQUATIONS AND EXCEPTIONS:		0.000 MILES

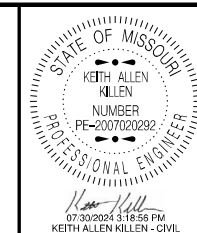
TOTAL CORRECTIONS	0.000 MILES
NET LENGTH OF PROJECT	10.284 MILES
STATE LENGTH	10.284 MILES

FOR INFORMATION ONLY  
ESTIMATED DISTURBED ACRES 0.0 ACRES

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
7/30/2024

ROUTE BB	STATE MO
DISTRICT NE	SHEET NO. 2

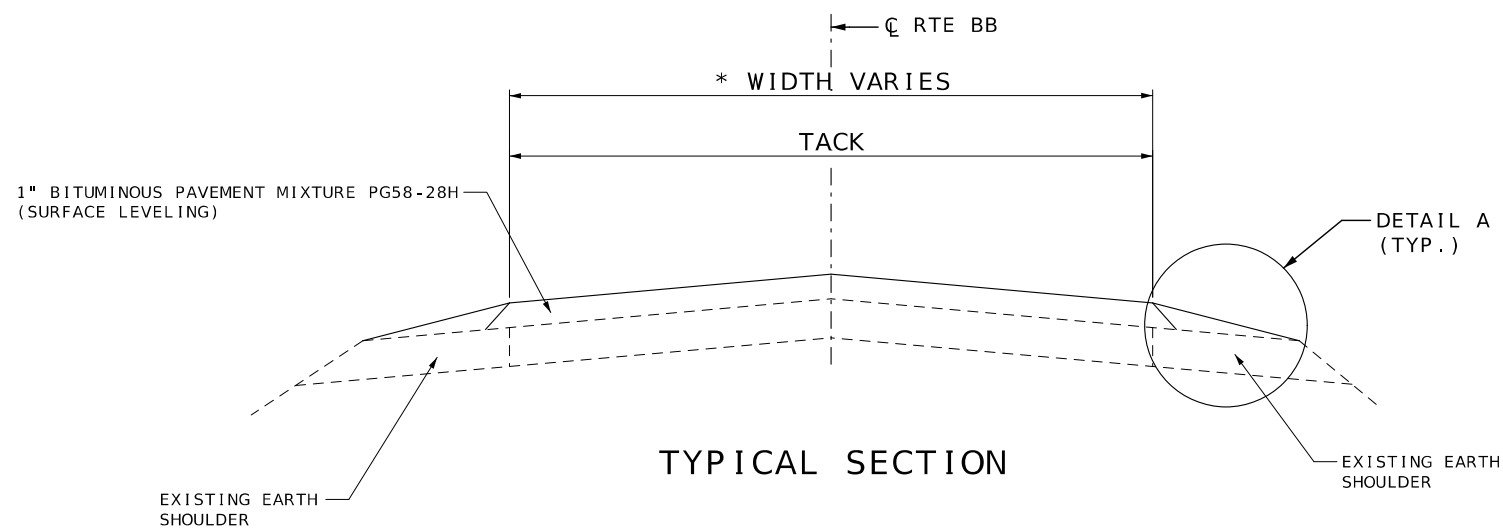
COUNTY  
RANDOLPH

JOB NO.  
JNE0079

CONTRACT ID.

PROJECT NO.

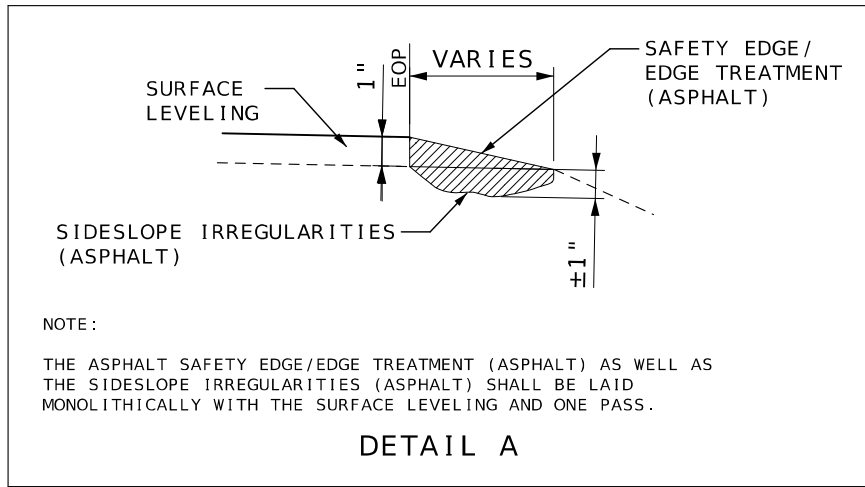
BRIDGE NO.



\* LOG MI. 0.000 TO 7.081 - 21'  
\* LOG MI. 7.081 TO 10.284 - 20'

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 (COLDMILLING SURFACE) = 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.



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.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING) 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
0.018	7.081	37292.64	1.00	21	87016	4708.5	6961.3	BEG PROJECT TO BRIDGE N0225
7.081	10.273	16853.76	1.00	20	37453	2026.6	2996.2	END PROJECT
0.000	10.284	54299.52	-	-	-	1542.6	-	ADDTL. 150 TONS/MILE FOR SURFACE IRREGULARITIES
0.000	10.284	54299.52	-	-	-	652.9	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
SUBTOTAL						8,930.6	9,957.5	
SUBTOTAL						48.6	74.0	PAVED ENTRANCES
TOTAL						8,979.2	10,032	

MOBILIZATION 1 LUMP SUM
----------------------------

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.000	0.002	10.00	1.00	92	102	COLDMILL AT START OF PROJECT
6.496	6.505	50.00	1.00	21	117	BRIDGE N0879
6.522	6.531	50.00	1.00	21	117	
10.295	10.297	10.00	1.00	175	194	COLDMILL AT END PROJECT
SUBTOTAL					530	
SUBTOTAL					347	PAVED ENTRANCES
TOTAL					877	

PAVEMENT REPLACEMENT

LOG MILE	MISC. REMOVAL OF DAMAGED PAVEMENT (SY)	MISC. REPLACEMENT OF DAMAGED PAVEMENT (TON)	REMARKS
VARIOUS	510	200	
TOTAL	510	200	

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	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 - 10 TOTAL						
2	W020-1	48 X 48	16.00	10	160.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	10	160.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	10	160.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	10	15.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 1 TOTAL						
2	W020-1	48 X 48	16.00	1	16.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	1	16.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	1	16.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	1	8.75	PILOT CAR IN USE WAIT & FOLLOW
TOTAL					1402.01	

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

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.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES

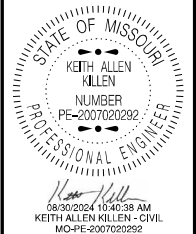
LOG MILE	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
0.000	620	33.5	50	212	BEGINNING OF JOB - APRON - RTE A
2.563	28	1.5	3	28	ASPHALT - HOUSE
4.321	12	0.6	1	12	ASPHALT - HOUSE
10.284	240	13.0	20	95	ASPHALT END OF JOB - APRON - RTE 3
SUBTOTAL		48.6	74	347	

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	10.297	106	2.0	212.0	PRIVATE AND FIELD ENTRANCES
0.000	10.297	16	4.0	64.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
TOTAL				276.0	

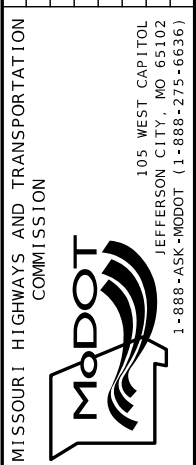
COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
6.505	6.522	89.76	1.00	21	209	BRIDGE N0879
TOTAL					209	



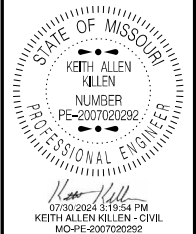
DATE PREPARED  
8/30/2024  
ROUTE BB STATE MO  
DISTRICT NE SHEET NO. 3  
COUNTY RANDOLPH  
JOB NO. JNE0079  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION



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	0.180	RTE B			1901		
0.180	0.330	RTE B		990			WBL SOLID AND EBL INTERMITTENT
0.330	0.470	RTE B		924			EBL SOLID AND WBL INTERMITTENT
0.470	0.569	RTE B		653			WBL SOLID AND EBL INTERMITTENT
0.569	0.640	RTE B			750		
0.640	0.719	RTE B		521			EBL SOLID AND WBL INTERMITTENT
0.719	0.799	RTE B			845		
0.799	0.919	RTE B		792			WBL SOLID AND EBL INTERMITTENT
0.919	1.080	RTE B	220				
1.080	1.180	RTE B		660			EBL SOLID AND WBL INTERMITTENT
1.180	2.660	RTE B			15629		
2.660	2.740	RTE B		528			EBL SOLID AND WBL INTERMITTENT
2.740	2.900	RTE B		1056			WBL SOLID AND EBL INTERMITTENT
2.900	3.079	RTE B		1181			EBL SOLID AND WBL INTERMITTENT
3.079	3.220	RTE B			1489		
3.220	3.319	RTE B		653			EBL SOLID AND WBL INTERMITTENT
3.319	3.559	RTE B			2534		
3.559	3.659	RTE B		660			EBL SOLID AND WBL INTERMITTENT
3.659	3.779	RTE B			1267		
3.779	3.899	RTE B		792			EBL SOLID AND WBL INTERMITTENT
3.899	4.419	RTE B			5491		
4.419	4.479	RTE B		396			EBL SOLID AND WBL INTERMITTENT
4.479	4.598	RTE B		785			WBL SOLID AND EBL INTERMITTENT
4.598	4.658	RTE B			634		
4.658	4.737	RTE B		521			EBL SOLID AND WBL INTERMITTENT
4.737	4.857	RTE B		792			WBL SOLID AND EBL INTERMITTENT
4.857	4.889	RTE B			338		
4.889	5.000	RTE B		733			EBL SOLID AND WBL INTERMITTENT
5.000	5.138	RTE B			1457		
5.138	5.218	RTE B		528			WBL SOLID AND EBL INTERMITTENT
5.218	5.278	RTE B			634		
5.278	5.358	RTE B		528			EBL SOLID AND WBL INTERMITTENT
5.358	5.500	RTE B			1500		
5.500	5.638	RTE B		911			WBL SOLID AND EBL INTERMITTENT
5.638	5.797	RTE B		1049			EBL SOLID AND WBL INTERMITTENT
5.797	6.419	RTE B			6568		
6.419	6.499	RTE B		528			WBL SOLID AND EBL INTERMITTENT
6.499	6.538	RTE B			412		
6.538	6.658	RTE B		792			EBL SOLID AND WBL INTERMITTENT
6.658	7.359	RTE B			7403		
7.359	7.458	RTE B		653			EBL SOLID AND WBL INTERMITTENT
7.458	7.738	RTE B			2957		
7.738	7.837	RTE B		653			EBL SOLID AND WBL INTERMITTENT
7.837	8.198	RTE B			3812		
8.198	8.297	RTE B		653			EBL SOLID AND WBL INTERMITTENT
8.297	8.697	RTE B			4224		
8.697	8.797	RTE B		660			EBL SOLID AND WBL INTERMITTENT
8.797	8.918	RTE B			1278		
8.918	9.019	RTE B		667			WBL SOLID AND EBL INTERMITTENT
9.019	9.079	RTE B			634		
9.079	9.159	RTE B		528			EBL SOLID AND WBL INTERMITTENT
9.159	9.579	RTE B			4435		
9.579	9.658	RTE B		521			EBL SOLID AND WBL INTERMITTENT
9.658	9.699	RTE B			433		
9.699	9.899	RTE B		1320			WBL SOLID AND EBL INTERMITTENT
9.899	10.058	RTE B		1049			EBL SOLID AND WBL INTERMITTENT
10.058	10.284	RTE B			2387		
0.000	10.284	RTE B				108599 -140	EDGELINE EXCEPTION AT RTE DD
0.000	10.284	RTE B					
SUBTOTAL			220	23,677	69,012	108,459	
TOTAL				92,909		108,459	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING



DATE PREPARED  
**7/30/2024**

ROUTE: **BB** STATE: **MO**

DISTRICT: **NE** SHEET NO.: **3**

COUNTY: **RANDOLPH**

JOB NO.: **JNE0079**

CONTRACT ID:

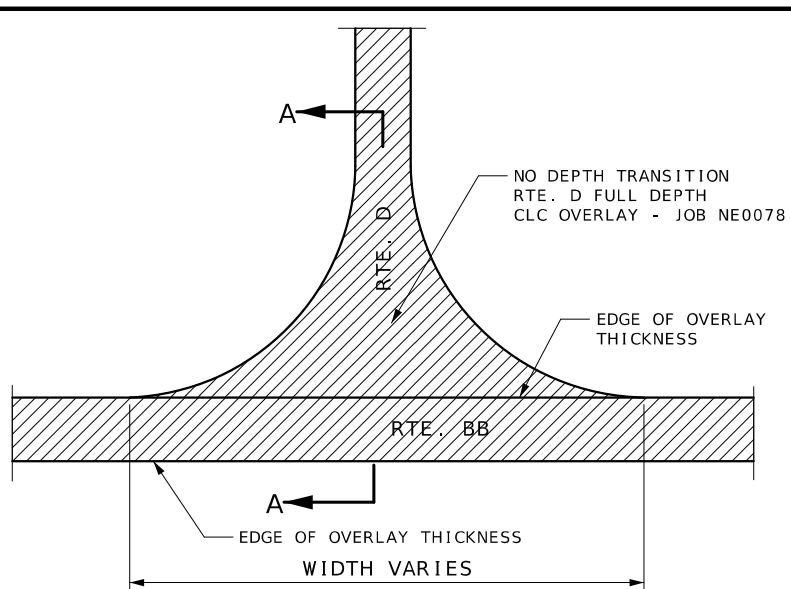
PROJECT NO.:

BRIDGE NO.:

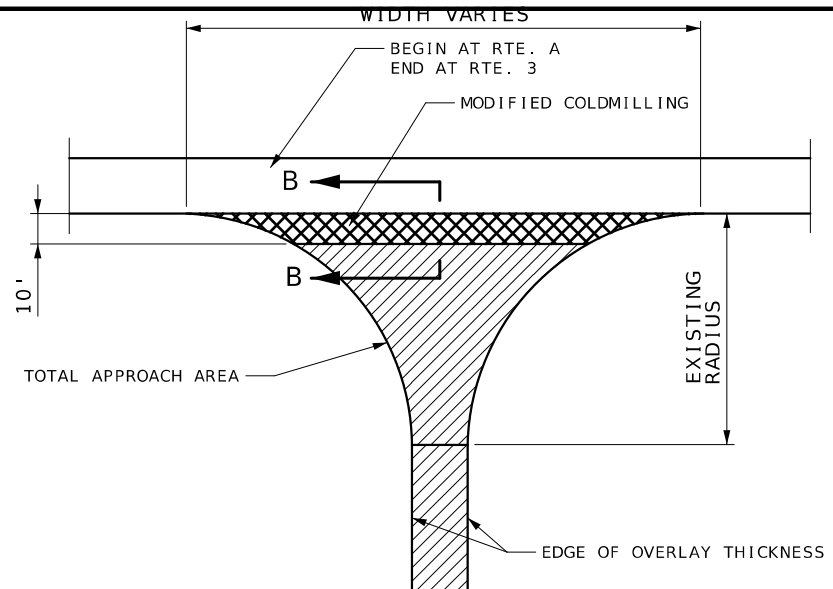
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

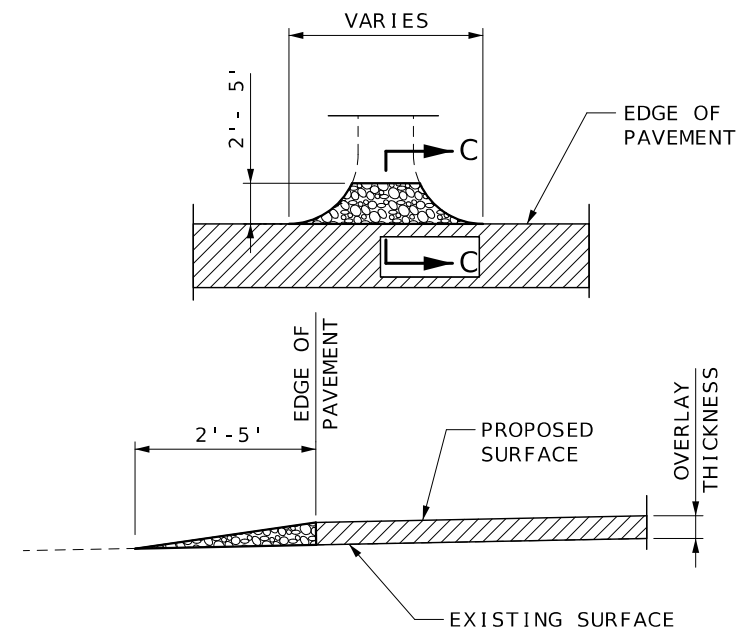
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)



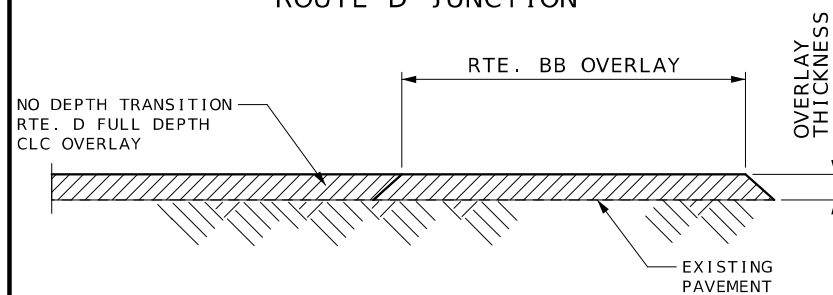
ROUTE D JUNCTION



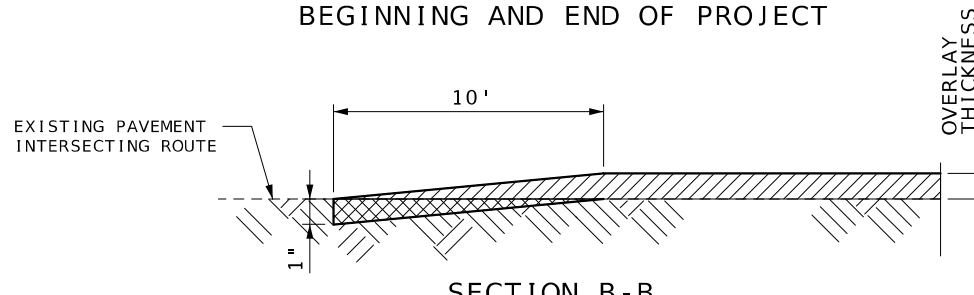
BEGINNING AND END OF PROJECT



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

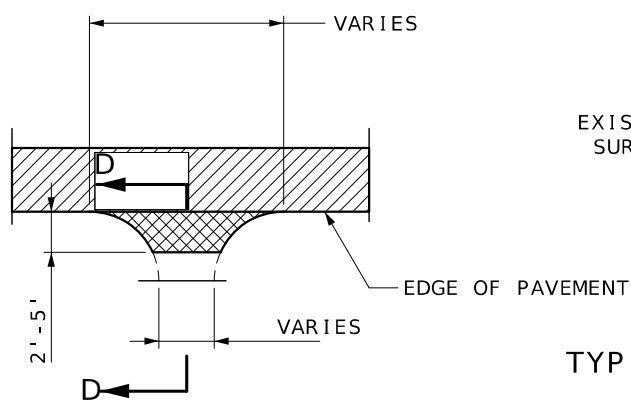


SECTION A-A  
ROUTE D JUNCTION  
OVERLAY




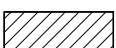

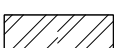
SECTION B-B

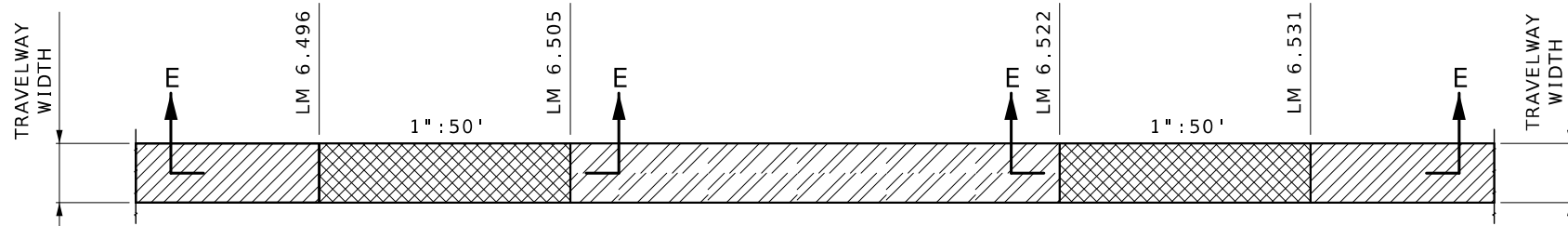
DEPTH TRANSITIONS  
BEGINNING AND END OF PROJECT



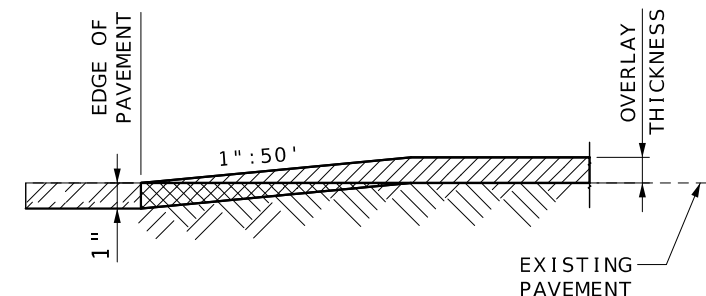
SECTION D-D  
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD  
(COUNTY ROADS, CITY STREETS AND  
PRIVATE OR COMMERCIAL ENTRANCES)

LEGEND

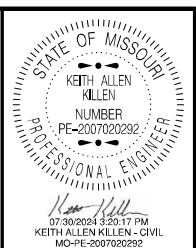
-  GRAVEL OR CRUSHED STONE
-  OVERLAY
-  MODIFIED COLDMILLING
-  COLDMILL AND OVERLAY



BRIDGE N0879



SECTION E-E  
TRAVELWAY DEPTH TRANSITIONS



STATE OF MISSOURI  
KEITH ALLEN KELLEN  
NUMBER  
PE-2007020292  
PROFESSIONAL ENGINEER  
DATE PREPARED  
7/30/2024  
ROUTE BB STATE MO  
DISTRICT NE SHEET NO. 4  
COUNTY RANDOLPH  
JOB NO. JNE0079  
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)

SPECIAL SHEET  
DEPTH TRANSITIONS  
SHEET 1 OF 1