ESTIMATE FACTORS
(FOR INFORMATION ONLY)

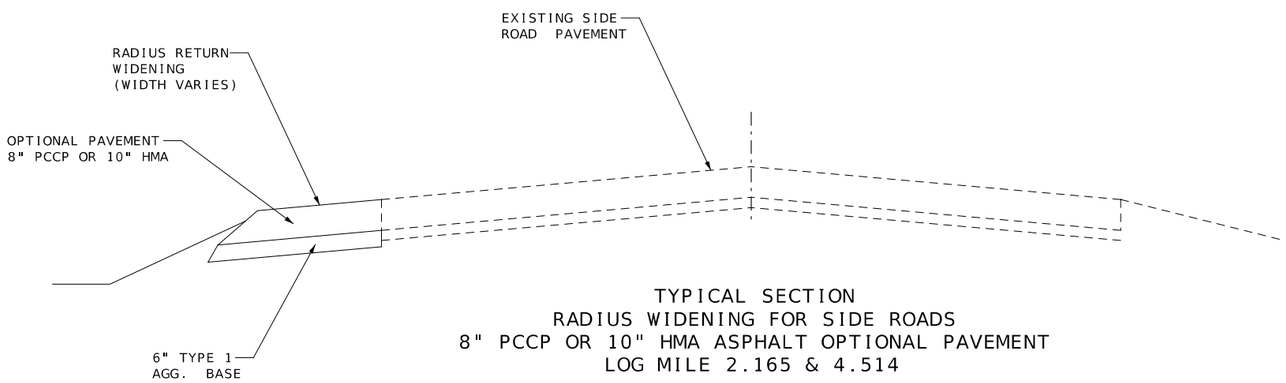
BP-1 W/PG 64-22: 1.984 TONS/C.Y.
BB W/PG 64-22: 1.997 TONS/C.Y.
TACK COAT : 0.05 GAL/ S.Y.

OPTIONAL PAVEMENTS

1.75" BP-1 W/PG 64-22 OVER 8.25" BB W/PG 64-22

OR

8.0" PCCP, 15' JOINTS & 1.25" DOWEL SPACING



TYPICAL SECTION
RADIUS WIDENING FOR SIDE ROADS
8" PCCP OR 10" HMA ASPHALT OPTIONAL PAVEMENT
LOG MILE 2.165 & 4.514

NOT TO SCALE

1 SHEET ADDED

TYPICAL SECTION
SHEET 2 OF 2

STATE OF MISSOURI
SEAN M. DOMINGO
NUMBER
PE-2022001607
PROFESSIONAL ENGINEER

09/17/2024 6:30:45 AM
SEAN.M.DOMINGO - CIVIL
MO-PE-2022001607

DATE PREPARED	9/16/2024
ROUTE	A
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	CLAY
JOB NO.	JKU0070
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)

REV. 1

PAVEMENT & EDGE TREATMENT

BEGIN SB LOG MILE	END SB LOG MILE	ROADWAY	DIRECTION	LENGTH (FT.)	AVERAGE WIDTH (FT.)	BITUMINOUS PVMT. MIXTURE, PG64-22 (SURFACE LEVELING) (TON)	TACK COAT (GAL.)	PERM. AGG. EDGE TREATMENT (TON)	REMARKS
MAINLINE RTE. A									
0.014	5.000	RTE A	NB & SB	26326.1	26	4005.47	6084.25	623.2	MO 92 TO 112TH ST INT. EXCEPTION
5.320	5.654	RTE A	NB & SB	1763.5	26	268.31	407.56	41.7	BR. A0917 TO END
25% FOR PAVEMENT IRREGULARITIES						1068.45	1622.95		
2% FOR HMA SAFETY EDGE						85.48	0.0		
SIDEROADS AND ENTRANCES *									
0.214	0.237	WILMAR DR.	EB	2	130	1.52	2.31		WILMAR DR. ENTRANCE
1.154	1.165	NE 144TH ST.	EB	20	50	3.99	6.80		NE 144TH ST. ENTRANCE
1.384	1.403	NE 142ND ST.	WB	42	20	13.83	20.00		NE 142ND ST. ENTRANCE
2.160	2.171	NE 136TH ST.	EB	25	60	4.42	6.40		NE 135TH ST. ENTRANCE (EAST)
2.160	2.171	NE 136TH ST.	WB	25	60	4.42	6.40		NE 135TH ST. ENTRANCE (WEST)
2.189		RTE A	EB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
2.247		RTE A	EB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
2.273		RTE A	EB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
2.343		RTE A	WB	2	65	0.76	1.16		PRIVATE DRIVEWAY ENTRANCE
2.343		RTE A	EB	2	45	0.53	0.80		PRIVATE DRIVEWAY ENTRANCE
2.412		RTE A	WB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
2.488		RTE A	EB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
2.532		RTE A	WB	2	40	0.47	0.71		PRIVATE DRIVEWAY ENTRANCE
2.565		RTE A	WB	2	40	0.47	0.71		PRIVATE DRIVEWAY ENTRANCE
2.592		RTE A	EB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
2.794	2.802	NE 131ST ST	WB	25	50	4.15	6.00		NE 131ST ST. ENTRANCE
3.148	3.156	CARRIAGE LN.	WB	20	40	3.87	5.60		CARRIAGE LN. ENTRANCE
3.284		RTE A	EB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
3.651	3.667	NE 124TH ST.	WB	35	75	8.30	12.00		NE 124TH/PROVIDENCE ST. ENTRANCE
3.857	3.865	WOODLYN LN.	EB	2	45	0.53	0.80		WOODLYN LN. ENTRANCE
3.996		RTE A	WB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
4.079		RTE A	WB	2	35	0.41	0.62		PRIVATE DRIVEWAY ENTRANCE
4.149	4.16	NE 120TH ST.	EB	50	65	5.53	8.00		NE 120TH ST. ENTRANCE
4.238		RTE A	EB	2	70	0.82	1.24		PRIVATE DRIVEWAY ENTRANCE
4.397		RTE A	EB	2	50	0.59	0.89		PRIVATE DRIVEWAY ENTRANCE
4.415		RTE A	WB	2	45	0.53	0.80		PRIVATE DRIVEWAY ENTRANCE
4.516		RTE A	EB	2	35	0.41	0.62		PRIVATE DRIVEWAY ENTRANCE
4.590		RTE A	WB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
4.744		RTE A	WB	2	35	0.41	0.62		PRIVATE DRIVEWAY ENTRANCE
4.802	4.817	NE 155TH ST.	EB	40	85	8.02	11.60		NE 115TH ST. ENTRANCE
4.808		RTE A	WB	2	35	0.41	0.62		PRIVATE DRIVEWAY ENTRANCE
4.866		RTE A	WB	2	30	0.35	0.53		PRIVATE DRIVEWAY ENTRANCE
					TOTAL	5495.6	8214.8	664.9	
					PAY TOTAL	5496	8215	665	

* RADIUS IS INCLUDED IN LENGTH & WIDTH DIMENSION

MOBILIZATION
1 LUMP SUM

MODIFIED COLD MILLING (DEPTH TRANSITION)

BEGIN LOG MILE	END LOG MILE	AREA (SQYD)	REMARKS
0.014	0.019	72.2	BEG/MO 92 JUNCTION
4.995	5	72.2	BEG. NE 112TH ST. INT. PVMT. LIMITS
5.32	5.325	72.2	END NE 112TH ST. INT. PVMT. LIMITS
5.649	5.654	72.2	END PROJECT
COUNTY ROAD ENTRANCES			
1.158	1.159	85	NE 144TH ST. ENTRANCE
1.393	1.394	250	NE 142ND ST. ENTRANCE
2.165	2.167	80	NE 136TH ST. (WEST) ENTRANCE
2.165	2.167	80	NE 136TH ST. (EAST) ENTRANCE
2.798	2.8	75	NE 131ST ST ENTRANCE
3.151	3.153	70	CARRIAGE LN. ENTRANCE
3.658	3.66	150	PROVIDENCE SCHOOL RD./124TH ST. ENT.
4.154	4.156	100	NE 120TH ST. ENTRANCE
4.809	4.811	145	NE 115TH ST. ENTRANCE
	TOTAL	1323.8	

PARTIAL DEPTH PAVEMENT REPAIR

BEGIN SB LOG MILE	END SB LOG MILE	ROADWAY	REMOVAL FOR CLASS C PART. DEPTH PVMT. REPAIR (S.Y.)	FURN. & PLACE BIT. MATERIAL FOR CLASS C PARTIAL DEPTH PVMT. REPAIR (TON)	REMARKS
0.000	2.003	RTE. A	250.0	250.0	EXACT LOCATION TO BE DETERMINED BY ENGINEER
		TOTAL	250.0	250.0	
		PAY TOTAL	250	250	

1 REVISED

1519.0
1519.0
1519

1 QUANTITIES REVISED 9/16/24

REMOVAL OF IMPROVEMENTS

LOG MILE	LOG MILE	LOCATION	DESCRIPTION	QUANTITY	UNITS	REMARKS
2.165		NE 136TH ST	18" PIPE REMOVAL	3	LF	PIPE REMOVAL IF END IS DAMAGED FOR PIPE COLLAR
4.514		NE 120TH ST	18" PIPE REMOVAL	3	LF	PIPE REMOVAL IF END IS DAMAGED FOR PIPE COLLAR
2.165		NE 136TH ST	PAVEMENT SAWCUT	50	LF	120TH ST. NE RADIUS WIDENING
4.514		NE 120TH ST	PAVEMENT SAWCUT	50	LF	136TH ST. NE RADIUS WIDENING
2.165		NE 136TH ST	PAVEMENT REMOVAL	10	CY	120TH ST. NE RADIUS WIDENING
4.514		NE 120TH ST	PAVEMENT REMOVAL	10	CY	136TH ST. NE RADIUS WIDENING

1 ADDED

SUMMARY OF QUANTITIES
SHEET 1 OF 3

STATE OF MISSOURI
SEAN M. DOMINGO
NUMBER
PE-2022001607
PROFESSIONAL ENGINEER
09/16/2024 1:12:17 PM
SEAN M. DOMINGO - CIVIL
MO-PE-2022001607

DATE PREPARED
9/16/2024

ROUTE	STATE
A	MO
DISTRICT	SHEET NO.
KC	3

COUNTY
CLAY

JOB NO.
JKU0070

CONTRACT ID.

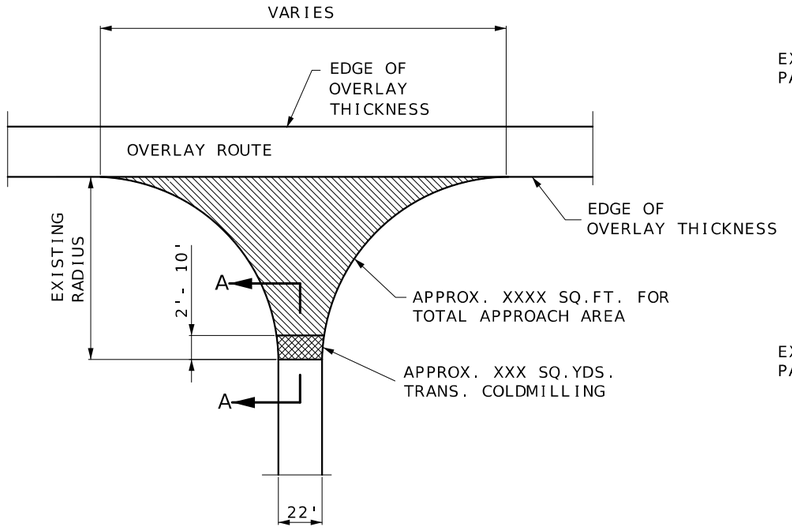
PROJECT NO.

BRIDGE NO.

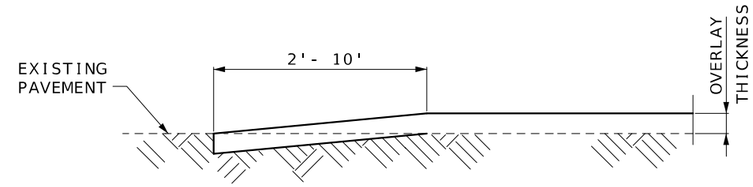
DESCRIPTION	DATE

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

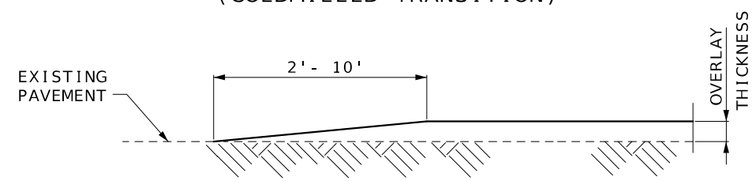
REV. 1



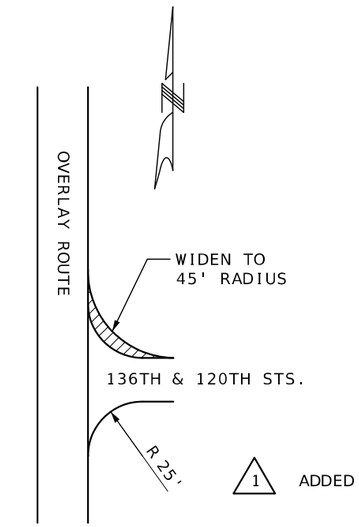
TYPICAL STATE ROUTE JUNCTION



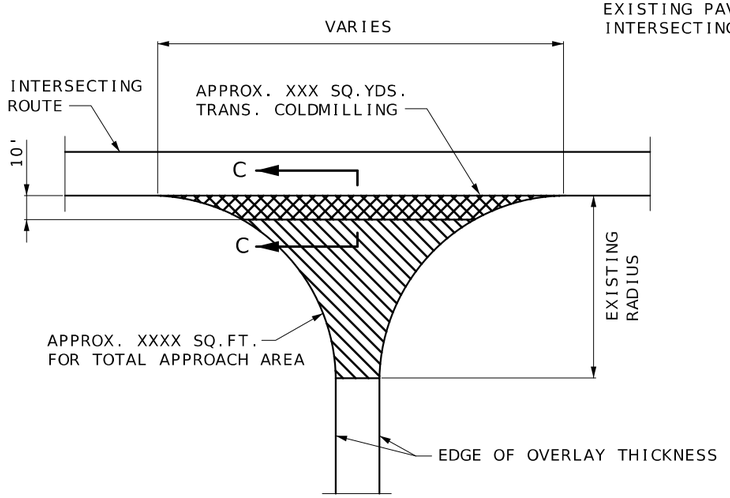
SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)



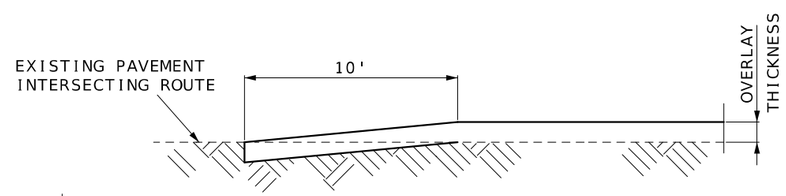
ALTERNATE SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(TAPERED TRANSITION)



SIDEROAD RADIUS RETURN WIDENINGS

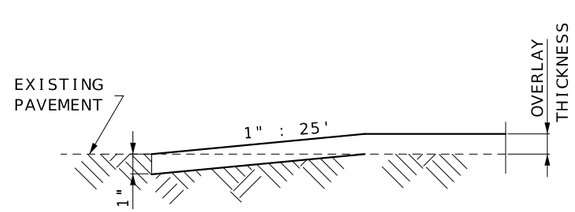


BEGINNING AND END OF PROJECT
AT INTERSECTING ROUTE

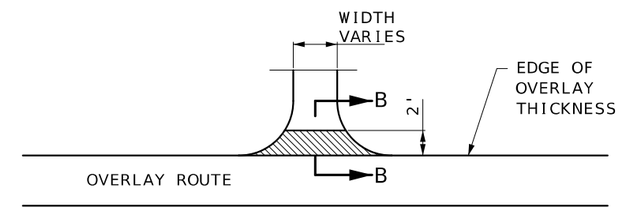


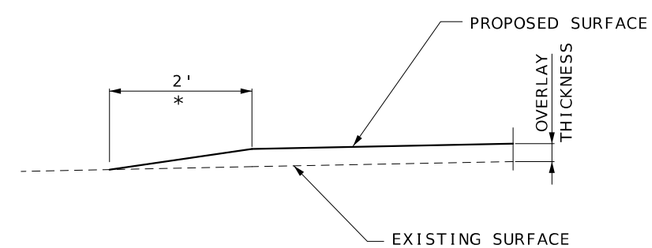
SECTION C-C

DEPTH TRANSISTIONS
BEGINNING AND END OF PROJECT
AT INTERSECTING ROUTE



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





SECTION B-B

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

1 DETAIL NOTE ADDED 9/16/24

SPECIAL SHEET
1 OF 1

STATE OF MISSOURI
SEAN M. DOMINGO
NUMBER PE-2022001607
PROFESSIONAL ENGINEER
09/17/2024 6:31:50 AM
SEAN M. DOMINGO - CIVIL
MO-PE-2022001607

DATE PREPARED	9/16/2024
ROUTE	A
STATE	MO
DISTRICT	KC
SHEET NO.	4
COUNTY	CLAY
JOB NO.	JKU0070
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)

REV. 1