

DESIGN DESIGNATION

MO5-N/O MO14

A.A.D.T. - 2025 = 7018
 A.A.D.T. - 2045 = 9537
 D.H.V. = 8.72%
 T = 23.83%
 V = 60 M.P.H.
 D = 1.55%

MO5-S/O MO14

A.A.D.T. - 2025 = 5413
 A.A.D.T. - 2045 = 6626
 D.H.V. = 8.47%
 T = 18.03%
 V = 60 M.P.H.
 D = 1.02%

MO5-S/O US60

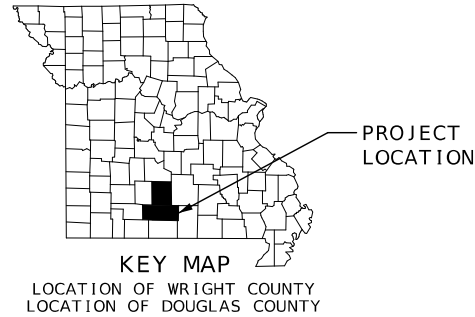
A.A.D.T. - 2025 = 5438
 A.A.D.T. - 2045 = 6595
 D.H.V. = 8.40%
 T = 17.76%
 V = 60 M.P.H.
 D = 0.97%

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL, PRIMARY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

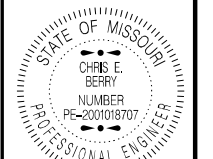
PLANS FOR PROPOSED STATE HIGHWAY

WRIGHT COUNTY DOUGLAS COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (5 SHEET)	2
QUANTITIES (QU) (5 SHEETS)	3
SPECIAL SHEETS (SS)	4-11
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DATE PREPARED
11/25/2024

ROUTE 5 STATE MO
 DISTRICT SE SHEET NO. 1

COUNTY
WRIGHT / DOUGLAS

JOB NO.
J9P3605

CONTRACT ID.

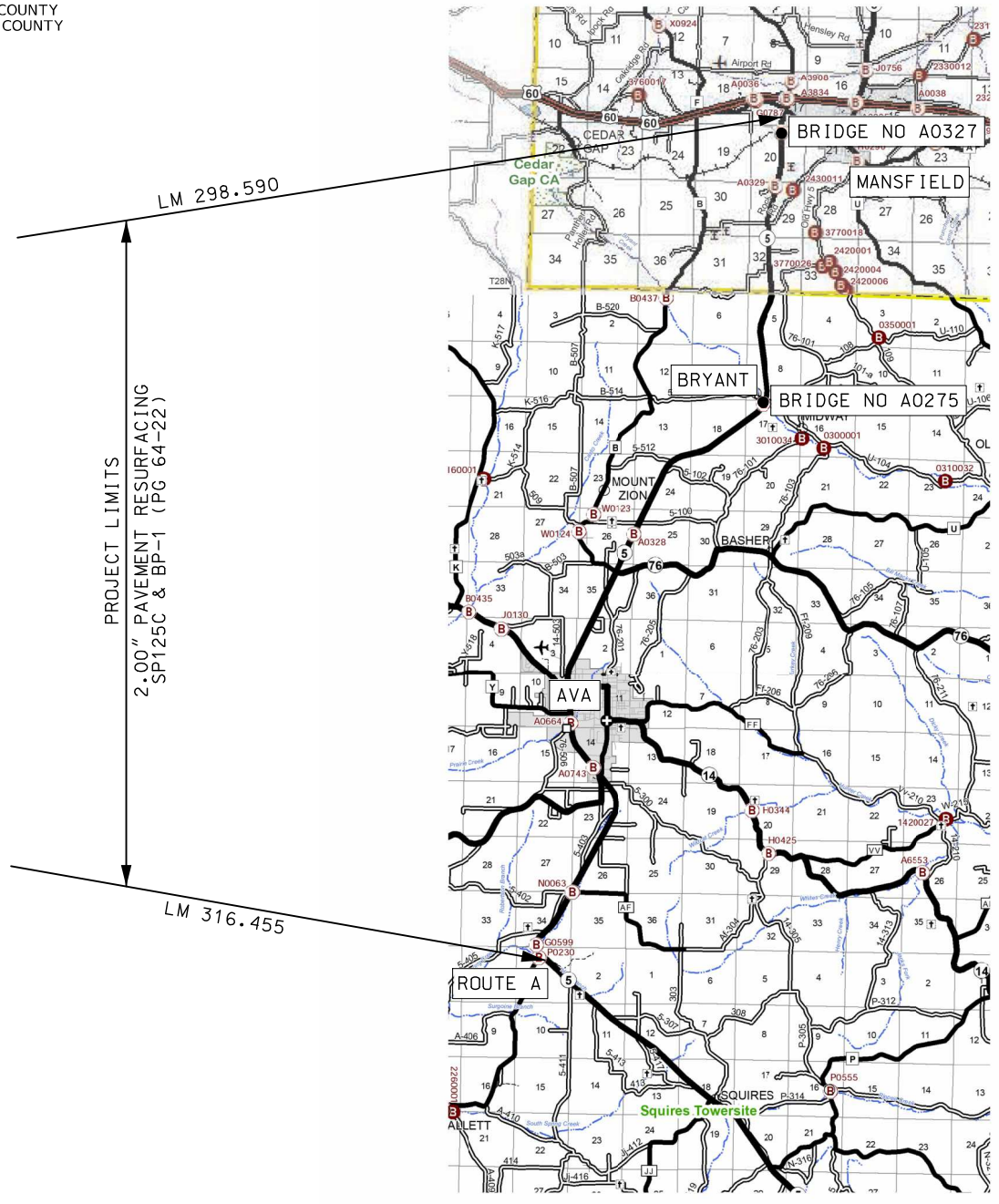
PROJECT NO.

BRIDGE NO.

CONVENTIONAL SYMBOLS
 (USED IN PLANS)

EXISTING	NEW
BUILDINGS AND STRUCTURES	
GUARD RAIL	
GUARD CABLE	
CONCRETE RIGHT-OF-WAY MARKER	
STEEL RIGHT-OF-WAY MARKER	
LOCATION SURVEY MARKER	
UTILITIES	
FIBER OPTICS	-FO-
OVERHEAD CABLE TV	-OTV-
UNDERGROUND CABLE TV	-UTV-
OVERHEAD TELEPHONE	-OT-
UNDERGROUND TELEPHONE	-UT-
OVERHEAD POWER	-OE-
UNDERGROUND POWER	-UE-
SANITARY SEWER	-S-
STORM SEWER	-SS-
GAS	-G-
WATER	-W-
MANHOLE	
FIRE HYDRANT	
WATER VALVE	
WATER METER	
DROP INLET	
DITCH BLOCK	
GROUND MOUNTED SIGN	
LIGHT POLE	
H-FRAME POWER POLE	
TELEPHONE PEDESTAL	
FENCE	
CHAIN LINK	
WOVEN WIRE	
GATE POST	
BENCHMARK	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE 298.590
END OF PROJECT	LOG MILE 316.455
APPARENT LENGTH	94327.20 FEET
EQUATIONS AND EXCEPTIONS:	
EXCEPTIONS:	
BUS 60 / RTE B INTERSECTION	84.48 FEET
LOG MILE 298.740 TO	
LOG MILE 298.756	
BRIDGE A0327	63.00 FEET
LOG MILE 299.173 TO	
LOG MILE 299.185	
BRIDGE A0275	206.00 FEET
LOG MILE 304.216 TO	
LOG MILE 304.255	
TOTAL CORRECTIONS	353.48 FEET
NET LENGTH OF PROJECT	93973.72 FEET
STATE LENGTH	17.798 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0 ACRES

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

DESCRIPTION

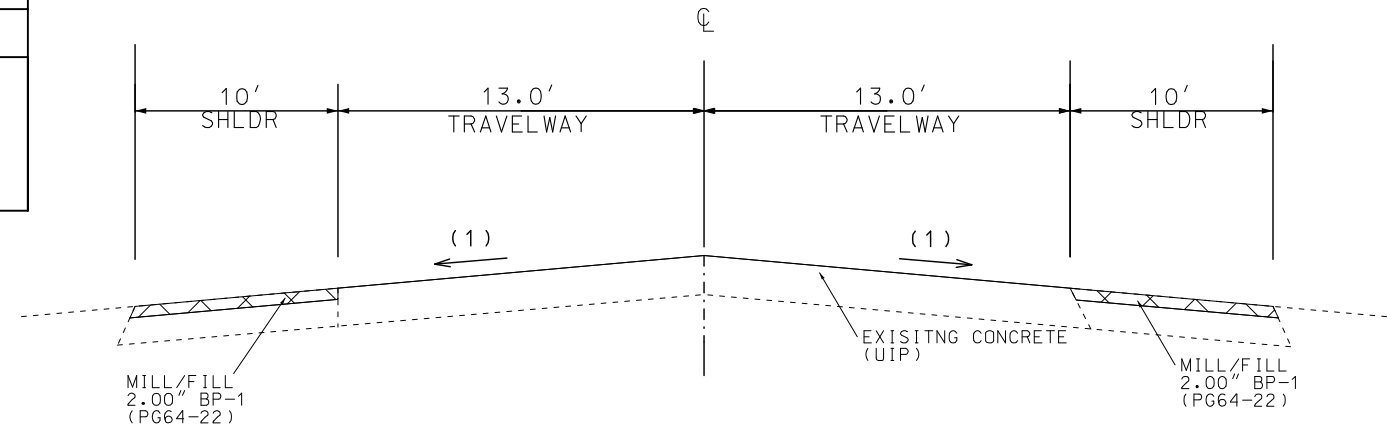
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

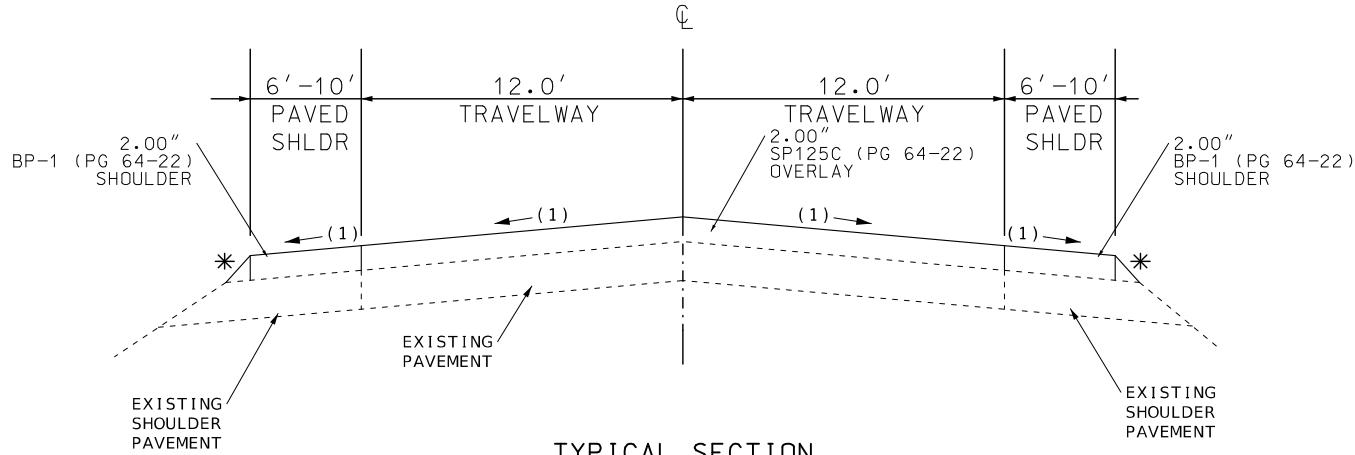
ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
TRAVELWAY - SP125C PG64-22	2.025 TONS/CY
SHOULDERS - BP-1 PG64-22	2.047 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	
MAILBOXES TO BE RELOCATED:	
LM 300.379 LT	
LM 309.722 RT	

* - SAFETY EDGE - SEE STANDARD 401.00



TYPICAL SECTION
MO 5
CONCRETE SECTION

LOG MILE 298.590 TO LOG MILE 298.740
LOG MILE 298.756 TO LOG MILE 298.813



TYPICAL SECTION
MO 5

LOG MILE 298.813 TO LOG MILE 299.173
LOG MILE 299.185 TO LOG MILE 304.216
LOG MILE 304.255 TO LOG MILE 310.365
LOG MILE 310.627 TO LOG MILE 310.715

NOTES:

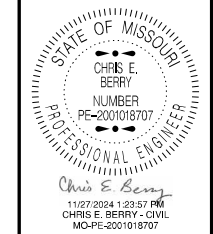
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

EXISTING TYPICALS ARE FOR INFORMATION ONLY.
PAVEMENT LAYERS MAY VARY FROM TYPICALS.

(1) MATCH EXISTING TRAVELWAY CROSS SLOPE

LOG MILE LOCATIONS APPROXIMATE. ADJUST AS
DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.



DATE PREPARED	11/25/2024
ROUTE	5
STATE	MO
DISTRICT	SE
SHEET NO.	2
COUNTY	WRIGHT/DOUGLAS
JOB NO.	J9P3605
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

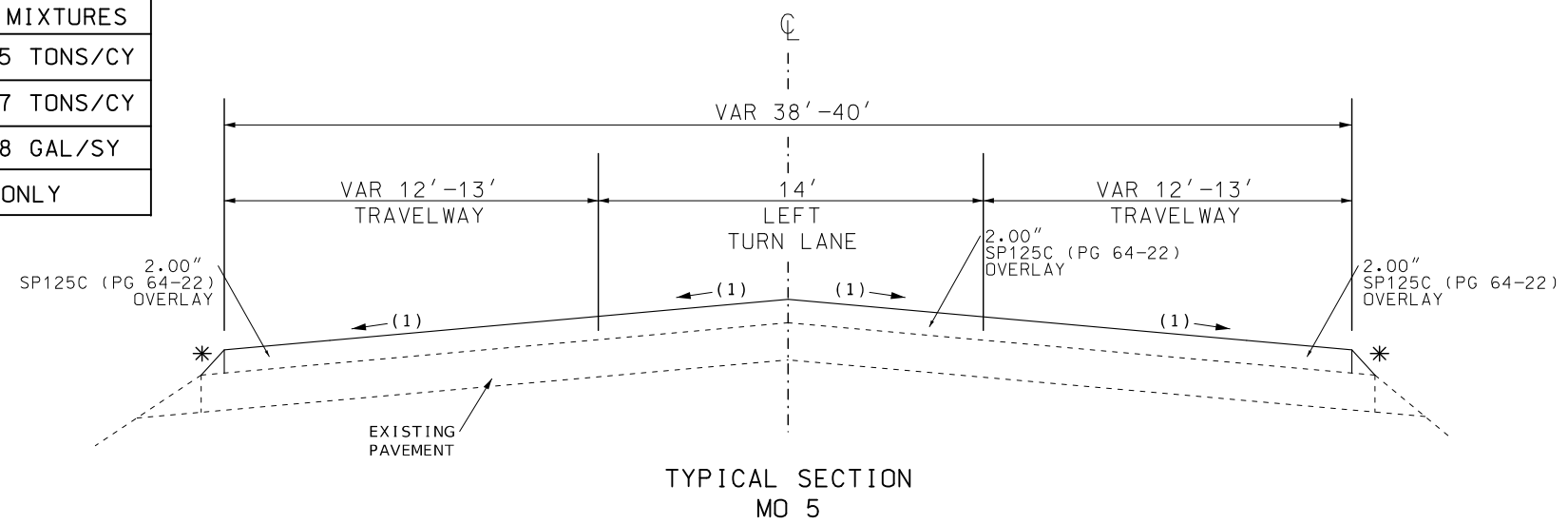
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

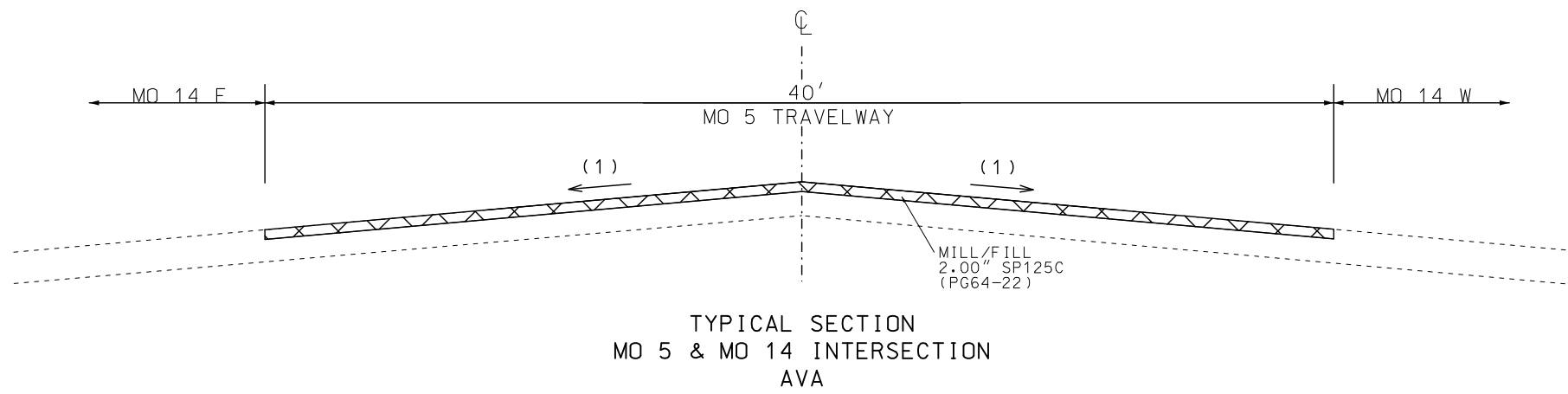
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
TRAVELWAY - SP125C PG64-22	2.025 TONS/CY
SHOULDERS - BP-1 PG64-22	2.047 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	

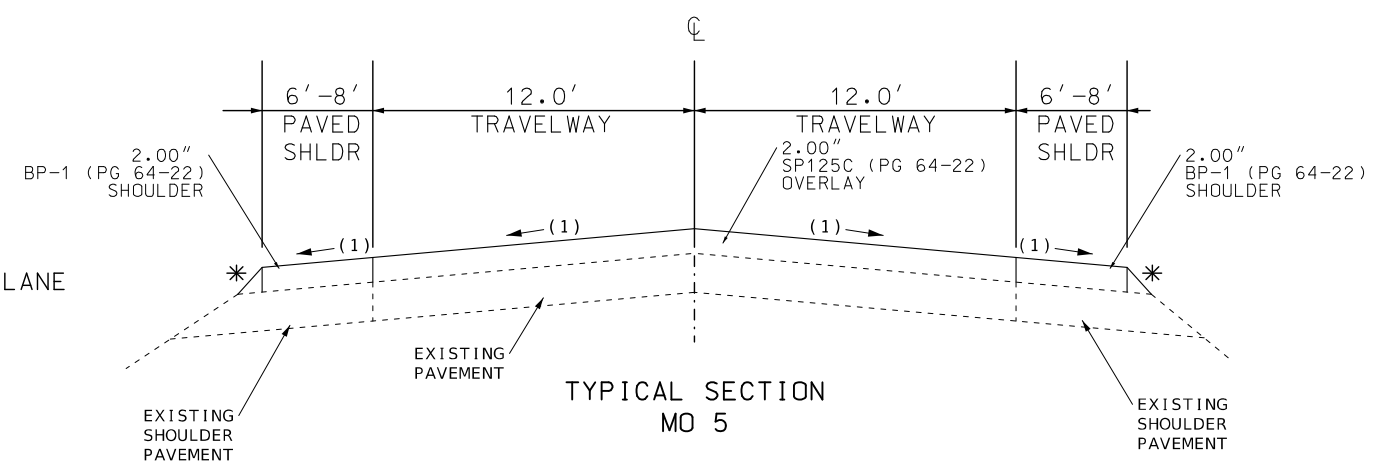
* - SAFETY EDGE - SEE STANDARD 401.00



TYPICAL SECTION
MO 5
LOG MILE 310.765 TO LOG MILE 310.798
LOG MILE 310.848 TO LOG MILE 310.870

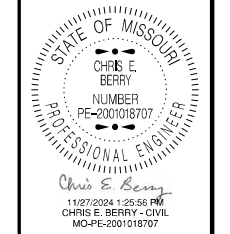


TYPICAL SECTION
MO 5 & MO 14 INTERSECTION
AVA
LOG MILE 310.798 TO LOG MILE 310.848



TYPICAL SECTION
MO 5
LOG MILE 310.917 TO LOG MILE 312.535
LOG MILE 312.746 TO LOG MILE 316.300
LOG MILE 316.420 TO LOG MILE 316.455

NOTES:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.
EXISTING TYPICALS ARE FOR INFORMATION ONLY.
PAVEMENT LAYERS MAY VARY FROM TYPICALS.
(1) MATCH EXISTING TRAVELWAY CROSS SLOPE
LOG MILE LOCATIONS APPROXIMATE. ADJUST AS
DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.
DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.



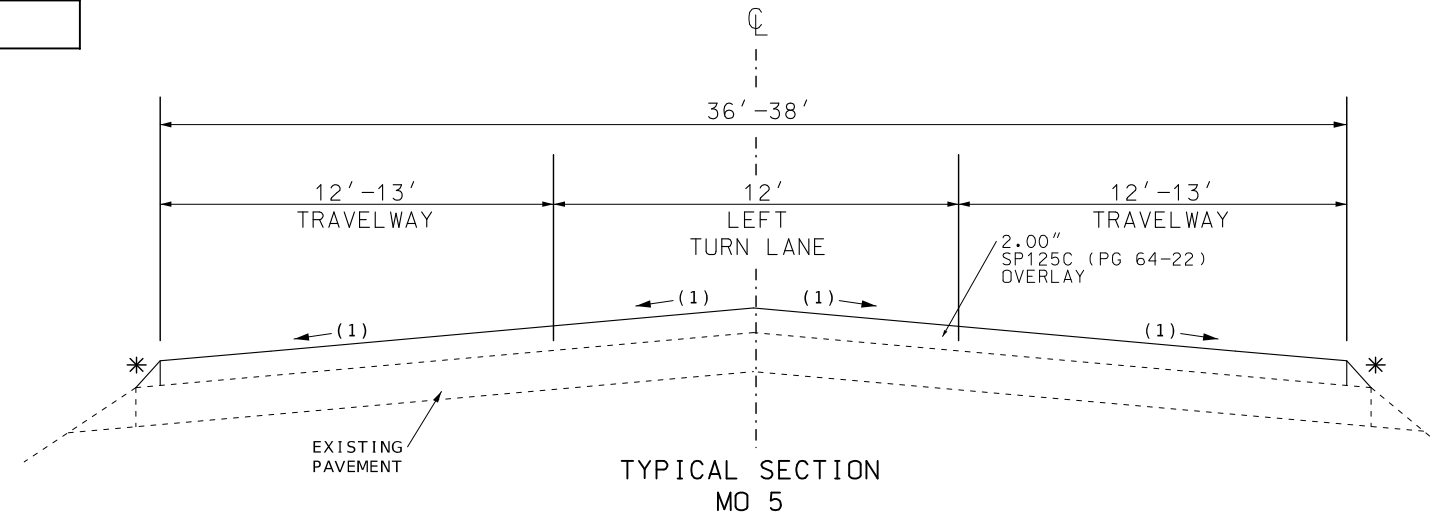
DATE PREPARED 11/25/2024	
ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY WRIGHT/DOUGLAS	
JOB NO. J9P3605	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

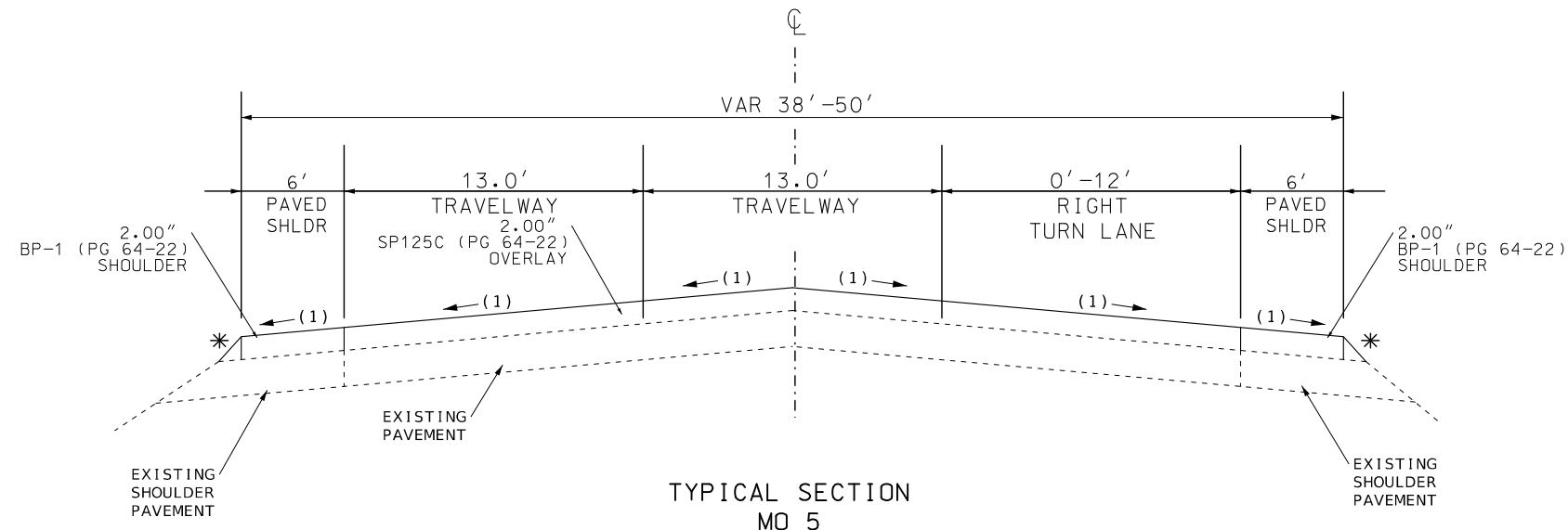
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
TRAVELWAY - SP125C PG64-22	2.025 TONS/CY
SHOULDERS - BP-1 PG64-22	2.047 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	



LOG MILE 312.576 TO LOG MILE 312.684



LOG MILE 316.300 TO LOG MILE 316.420

NOTES:

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

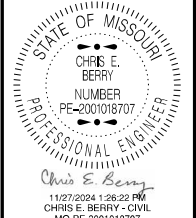
EXISTING TYPICALS ARE FOR INFORMATION ONLY. PAVEMENT LAYERS MAY VARY FROM TYPICALS.

(1) MATCH EXISTING TRAVELWAY CROSS SLOPE

LOG MILE LOCATIONS APPROXIMATE. ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TYPICAL SECTION SHEET 4 OF 5



DATE PREPARED
11/25/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 2

COUNTY
WRIGHT/DOUGLAS

JOB NO.
J9P3605

CONTRACT ID.

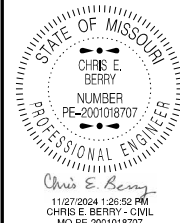
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
11/25/2024

ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 2

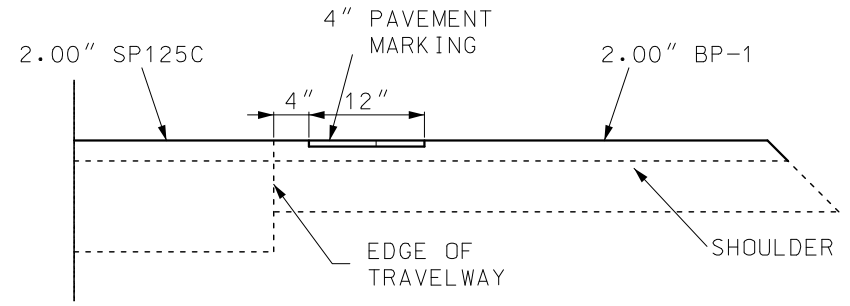
COUNTY
WRIGHT / DOUGLAS

JOB NO.
J9P3605

CONTRACT ID.

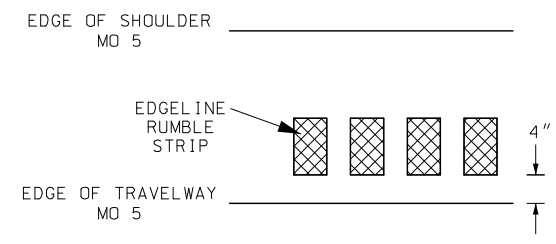
PROJECT NO.

BRIDGE NO.



TYPICAL SECTION
MO 5

EDGELINE RUMBLE STRIP LOCATION



TYPICAL SECTION
MO 5

EDGELINE RUMBLE STRIP LOCATION
(TOP ELEVATION)

TYPICAL SECTION
MO 5

- LOG MILE 298.590 TO LOG MILE 298.727 - 12' LANES
- LOG MILE 298.777 TO LOG MILE 299.173 - 12' LANES
- LOG MILE 299.185 TO LOG MILE 304.216 - 12' LANES
- LOG MILE 304.255 TO LOG MILE 310.366 - 12' LANES
- LOG MILE 310.366 TO LOG MILE 310.606 - 0'-13' LANES
- LOG MILE 311.415 TO LOG MILE 312.535 - 12' LANES
- LOG MILE 312.535 TO LOG MILE 312.746 - 0'-13' LANES
- LOG MILE 312.746 TO LOG MILE 316.300 - 12' LANES
- LOG MILE 316.300 TO LOG MILE 316.420 - 0'-13' LANES
- LOG MILE 316.420 TO LOG MILE 316.455 - 12' LANES

LOG MILE LOCATIONS APPROXIMATE. ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TYPICAL SECTION
SHEET 5 OF 5

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MOBILIZATION
1 LUMP SUM

PAVEMENT AND TACK

LOG MILE	LOG MILE	LOC	LENGTH (FT)	TRAVELWAY WIDTH (FT)	SHOULDER WIDTH (FT)	TRAVELWAY DEPTH (IN)	SHOULDER DEPTH (IN)	ASPHALTIC CONCRETE MIX SP125C PG64-22 2.025 TONS/CY (TONS)	BITUMINOUS PAVEMENT MIX BP-1 PG64-22 2.047 TONS/CY (TONS)	TACK (0.08 GAL/SY) (GAL)	REMARKS	
298.590	298.740	RT/LT	793	VARIES	20	-	2	-	200.41	141.0	MILL/FILL 10' SHOULDERS (DO NOT TOUCH CONCRETE)	
298.740	298.756	MAINLINE	85	VARIES	-	-	-	-	-	-	INTERSECTION OF MO 5 AND BUS 60 (DO NOT TOUCH CONCRETE)	
298.756	298.813	RT/LT	301	VARIES	20	-	2	-	76.07	53.6	MILL/FILL 10' SHOULDERS (DO NOT TOUCH CONCRETE)	
298.813	298.856	MAINLINE	228	24	16	2	2	68.40	46.10	81.1	MO 5 TRAVELWAY & SHOULDERS AVG 8'	
298.856	299.173	MAINLINE	1674	24	12	2	2	502.20	253.83	535.7	MO 5 TRAVELWAY & SHOULDERS AVG 6'	
299.173	299.185	MAINLINE	64	28	-	-	-	-	-	-	BRIDGE A0327 (DO NOT TOUCH BRIDGE DECK)	
299.185	304.216	MAINLINE	26564	24	14	2	2	7969.20	4699.21	8972.8	MO 5 TRAVELWAY & SHOULDERS AVG 7'	
304.216	304.255	MAINLINE	206	28	-	-	-	-	-	-	BRIDGE A0275 (DO NOT TOUCH BRIDGE DECK)	
304.255	310.365	MAINLINE	32261	24	14	2	2	9678.30	5707.02	10897.1	MO 5 TRAVELWAY & SHOULDERS AVG 7'	
310.365	310.538	MAINLINE	914	30	16	2	2	342.75	184.79	373.8	MO 5 TRAVELWAY AVG 30' & SHOULDERS AVG 8'	
310.538	310.606	MAINLINE	360	40	12	2	2	180.00	54.59	166.4	MO 5 TRAVELWAY AVG 40' & SHOULDERS AVG 6' (INCLUDES RIGHT TURN LANE)	
310.606	310.627	MAINLINE	111	30	6	2	2	41.63	8.42	35.6	MO 5 TRAVELWAY AVG 30' & SHOULDERS AVG 3'	
310.627	310.715	MAINLINE	465	24	12	2	2	139.50	70.51	148.8	MO 5 TRAVELWAY & SHOULDERS AVG 6'	
310.715	310.765	MAINLINE	265	32	6	2	2	106.00	20.10	89.6	MO 5 TRAVELWAY AVG 32' & SHOULDERS AVG 3'	
310.765	310.798	MAINLINE	175	39	-	2	-	85.32	-	60.7	MO 5 TRAVELWAY AVG 39'	
310.798	310.848	MAINLINE	265	40	-	2	-	132.50	-	94.3	MO 5 TRAVELWAY (MILL/FILL INTERSECTION OF MO 5/MO 14)	
310.848	310.870	MAINLINE	117	39	-	2	-	57.04	-	40.6	MO 5 TRAVELWAY AVG 39'	
310.870	310.917	MAINLINE	249	37	2	2	2	115.17	6.30	86.4	MO 5 TRAVELWAY AVG 37' & SHOULDERS AVG 1'	
310.917	312.535	MAINLINE	8544	24	14	2	2	2563.20	1511.45	2886.0	MO 5 TRAVELWAY & SHOULDERS AVG 7'	
312.535	312.576	MAINLINE	217	27	10	2	2	73.24	27.42	71.4	MO 5 TRAVELWAY AVG 27' & SHOULDERS AVG 5'	
312.576	312.684	MAINLINE	571	37	-	2	-	264.09	-	187.8	MO 5 TRAVELWAY AVG 37'	
312.684	312.746	MAINLINE	328	28	8	2	2	114.80	33.16	105.0	MO 5 TRAVELWAY AVG 28' & SHOULDERS AVG 4'	
312.746	316.300	MAINLINE	18766	24	14	2	2	5629.80	3319.73	6338.8	MO 5 TRAVELWAY & SHOULDERS AVG 7'	
316.300	316.420	MAINLINE	634	30	12	2	2	237.75	96.14	236.7	MO 5 TRAVELWAY AVG 30' & SHOULDERS 6'	
316.420	316.455	MAINLINE	185	24	14	2	2	55.50	32.73	62.5	MO 5 TRAVELWAY & SHOULDERS AVG 7'	
308.511	-	RT	VAR	20	-	2	-	-	55.01	38.7	STATE ROUTE B [4353 SF TOTAL AREA]	
308.511	-	LT	VAR	20	-	2	-	-	61.92	43.6	MO 76 [4900 SF TOTAL AREA]	
311.326	-	RT	VAR	24	-	2	-	-	45.82	32.3	STATE ROUTE Y [3626 SF TOTAL AREA]	
312.637	-	LT	VAR	20	-	2	-	-	82.64	58.8	BUS 5 [6611 SF TOTAL AREA]	
312.637	-	RT	VAR	20	-	2	-	-	56.93	40.5	MO 76 [4554 SF TOTAL AREA]	
315.053	-	LT	VAR	20	-	2	-	-	50.14	35.3	STATE ROUTE AF [3968 SF TOTAL AREA]	
316.420	-	RT	VAR	20	-	2	-	-	47.33	33.3	STATE ROUTE A [3745 SF TOTAL AREA]	
VARIOUS	-	LT/RT	VAR	20	-	2	-	-	341.17	240.0	PAVED CITY / COUNTY ROADS [25 @ AVG LENGTH = 54']	
310.531	-	LT	VAR	188	16	2	-	-	148.08	105.3	INDUSTRIAL ROAD - OVERLAY TO RADIUS POINT THEN 50' TRANSITION [11846 SF TOTAL AREA]	
300.861	-	LT	VAR	63	20	3	-	-	23.89	11.2	ROCK ROAD - INCLUDE ADDITIONAL 3" PAVEMENT FOR TRANSITION	
VARIOUS	-	LT/RT	VAR	20	-	3	-	-	270.66	127.0	NON-PAVED CITY / COUNTY ROADS [14 @ AVG LENGTH = 51']	
VARIOUS	-	LT/RT	VAR	4	-	2	-	-	13.10	9.3	PAVED PRIVATE / COMM ENTRANCES [7 @ AVG LENGTH = 37']	
VARIOUS	-	RT	VAR	4	-	2	-	-	4.96	3.5	NON-PAVED PRIVATE / COMM ENTRANCES W/ APRON [2 @ AVG LENGTH = 49']	
298.590	316.455	LT/RT	93972	-	-	-	-	-	326.96	-	SAFETY EDGE [2% OF SHOULDER TONNAGE]	
298.590	316.455	LT/RT	93972	-	-	-	-	1779.78	1779.78	-	RUTTING & IRREGULARITIES [100 TONS/MILE]	
							TOTAL	TOTAL	30136.17	19656.37	32444.5	
							USE	USE	30136.2	19656.4	32445	

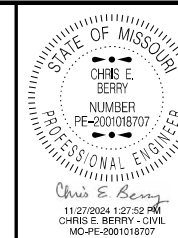
LOG MILES ARE APPROXIMATE.

GRAVEL A OR CRUSHED STONE B / AGGREGATE EDGE TREATMENT

LOG MILE	LOG MILE	LOC	LENGTH (MI)	GRAVEL A OR CRUSHED STONE B (TONS)	PERM AGG EDGE TREATMENT (TONS)	REMARKS
298.59	316.455	RT	17.87	-	1608.3	AGGREGATE EDGE TREATMENT - ROUTE 5 TRAVELWAY [90 TONS/MI]
298.59	316.455	LT	17.87	-	1608.3	AGGREGATE EDGE TREATMENT - ROUTE 5 TRAVELWAY [90 TONS/MI]
VARIOUS	-	RT	-	2	-	AT 2 AGGREGATE ENTRANCES WITH LIP (49'X2') (2.0" DEPTH)
VARIOUS	-	RT/LT	-	109	-	AT 75 AGGREGATE ENTRANCES (42'X4') (2.0" DEPTH)
TOTAL				111	3216.6	

LOG MILES ARE APPROXIMATE.

SUMMARY OF QUANTITIES
SHEET 1 OF 5



DATE PREPARED
11/26/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 3

COUNTY

WRIGHT/DOUGLAS

JOB NO. J9P3605

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)

REMOVAL OF IMPROVEMENTS			
LOG MILE	LOG MILE	LOCATION	REMARKS
298.980	299.065	RT	MO 5 - REPLACE GUARDRAIL (001) - 450'
298.980	299.067	LT	MO 5 - REPLACE GUARDRAIL (002) - 458'
299.072	-	LT	REMOVE AND REUSE CLARK ST SIGN
299.078	-	RT	REMOVE AND REUSE BURLINGTON RD SIGN
299.098	299.173	LT	NE CORNER OF BRIDGE A0327 (003) - 397'
299.098	299.173	RT	NW CORNER OF BRIDGE A0327 (004) - 397'
299.185	299.206	RT	SW CORNER OF BRIDGE A0327 (005) - 112'
299.185	299.205	LT	SE CORNER OF BRIDGE A0327 (006) - 107'
299.542	299.767	LT	MO 5 - REPLACE GUARDRAIL (007) - 1186'
299.530	299.766	RT	MO 5 - REPLACE GUARDRAIL (008) - 1246'
300.121	300.219	RT	MO 5 - REPLACE GUARDRAIL (009) - 516'
300.121	300.219	LT	MO 5 - REPLACE GUARDRAIL (010) - 516'
300.380	300.437	LT	MO 5 - REPLACE GUARDRAIL (011) - 301'
300.400	-	RT	EXISTING POST
300.400	300.438	RT	MO 5 - REPLACE GUARDRAIL (012) - 200'
300.565	300.603	RT	MO 5 - REPLACE GUARDRAIL (013) - 198'
300.550	300.596	LT	MO 5 - REPLACE GUARDRAIL (014) - 241'
300.861	-	LT	EXISTING PAVEMENT AT ROCK RD
300.865	300.920	RT	MO 5 - REPLACE GUARDRAIL (015) - 290'
300.865	300.986	LT	MO 5 - REPLACE GUARDRAIL (016) - 638'
300.933	300.988	RT	MO 5 - REPLACE GUARDRAIL (017) - 291'
301.497	301.580	LT	MO 5 - REPLACE GUARDRAIL (018) - 436'
301.628	-	RT	EXISTING PAVEMENT AT GLAD HILL RD
301.657	301.761	RT	MO 5 - REPLACE GUARDRAIL (019) - 548'
301.657	301.761	LT	MO 5 - REPLACE GUARDRAIL (020) - 548'
302.418	302.597	LT	MO 5 - REPLACE GUARDRAIL (021) - 947'
302.936	303.008	RT	MO 5 - REPLACE GUARDRAIL (022) - 381'
302.936	303.001	LT	MO 5 - REPLACE GUARDRAIL (023) - 341'
303.395	303.471	RT	MO 5 - REPLACE GUARDRAIL (024) - 400'
303.395	303.471	LT	MO 5 - REPLACE GUARDRAIL (025) - 400'
303.575	303.641	RT	MO 5 - REPLACE GUARDRAIL (026) - 351'
303.575	303.661	LT	MO 5 - REPLACE GUARDRAIL (027) - 453'
303.935	304.054	LT	MO 5 - REPLACE GUARDRAIL (028) - 626'
304.152	-	RT	EXISTING PAVEMENT AT 5-514 CR
305.478	305.763	RT	MO 5 - REPLACE GUARDRAIL (033) - 1507'
305.478	305.520	LT	MO 5 - REPLACE GUARDRAIL (034) - 220'
305.535	305.769	LT	MO 5 - REPLACE GUARDRAIL (035) - 1233'
306.045	306.168	RT	MO 5 - REPLACE GUARDRAIL (036) - 647'
306.060	306.163	LT	MO 5 - REPLACE GUARDRAIL (037) - 542'
306.477	-	LT	REMOVE AND REUSE STREET SIGN AT CR 5-102
306.495	306.723	RT	MO 5 - REPLACE GUARDRAIL (038) - 1204'
306.495	306.715	LT	MO 5 - REPLACE GUARDRAIL (039) - 1163'
307.010	307.222	RT	MO 5 - REPLACE GUARDRAIL (040) - 1119'
307.010	307.222	LT	MO 5 - REPLACE GUARDRAIL (041) - 1119'
307.649	307.838	RT	MO 5 - REPLACE GUARDRAIL (042) - 1000'
307.649	307.838	LT	MO 5 - REPLACE GUARDRAIL (043) - 1000'
308.049	308.249	RT	MO 5 - REPLACE GUARDRAIL (044) - 1054'
308.049	308.249	LT	MO 5 - REPLACE GUARDRAIL (045) - 1054'
308.886	-	RT	REMOVE AND REUSE 5-502 SIGN
308.887	309.138	RT	MO 5 - REPLACE GUARDRAIL (046) - 1326'
308.887	309.138	LT	MO 5 - REPLACE GUARDRAIL (047) - 1324'
309.507	309.593	RT	MO 5 - REPLACE GUARDRAIL (048) - 456'
309.526	309.593	LT	MO 5 - REPLACE GUARDRAIL (049) - 354'
309.679	309.718	RT	MO 5 - REPLACE GUARDRAIL (050) - 205'
309.725	309.803	RT	MO 5 - REPLACE GUARDRAIL (051) - 412'
309.679	309.802	LT	MO 5 - REPLACE GUARDRAIL (052) - 648'
309.940	310.063	RT	MO 5 - REPLACE GUARDRAIL (053) - 651'
309.940	310.063	LT	MO 5 - REPLACE GUARDRAIL (054) - 651'
310.528	-	LT	REMOVE EXISTING ISLAND AT INDUSTRIAL RD - 167 SF
310.528	-	LT	REMOVE AND REUSE EMERSON CLIMATE TECHNOLOGIES SIGN
310.806	-	SB LT TURN LANE	EXISTING CABLE, LOOP DETECTOR
310.814	-	SB THRU LANE	EXISTING CABLE, LOOP DETECTOR
310.829	-	NB THRU LANE	EXISTING CABLE, LOOP DETECTOR
310.836	-	NB LT TURN LANE	EXISTING CABLE, LOOP DETECTOR
311.340	311.575	RT	MO 5 - REPLACE GUARDRAIL (055) - 1240'
311.386	311.580	LT	MO 5 - REPLACE GUARDRAIL (056) - 1051'
SUB-TOTAL 1			LUMP SUM

REMOVAL OF IMPROVEMENTS			
LOG MILE	LOG MILE	LOCATION	REMARKS
311.640	311.762	RT	MO 5 - REPLACE GUARDRAIL (057) - 665'
311.640	311.782	LT	MO 5 - REPLACE GUARDRAIL (058) - 764'
311.824	312.019	RT	MO 5 - REPLACE GUARDRAIL (059) - 1032'
311.843	312.033	LT	MO 5 - REPLACE GUARDRAIL (060) - 1003'
313.365	313.553	RT	MO 5 - REPLACE GUARDRAIL (061) - 1071'
313.348	313.545	LT	MO 5 - REPLACE GUARDRAIL (062) - 1059'
314.152	312.276	RT	MO 5 - REPLACE GUARDRAIL (063) - 697'
314.168	312.273	LT	MO 5 - REPLACE GUARDRAIL (064) - 594'
36.429	53.745	RTE 5_N	139 SF SHEETING (SEE D30 SHEETS)
299.072	215.093	RTE 5_S	142 SF SHEETING (SEE D30 SHEETS)
299.072	310.531	RTE 5_S	5 POSTS (SEE D29 SHEET)
SUB-TOTAL 2			LUMP SUM
SUB-TOTAL 1			LUMP SUM
TOTAL			1 LUMP SUM

CONCRETE MEDIAN STRIP			
LOG MILE	LOC	LOW PROFILE ISLAND 3" CONCRETE MEDIAN STRIP SY	REMARKS
310.528	RTE 32	18.6	INDUSTRIAL RD ISLAND
TOTAL		18.6	

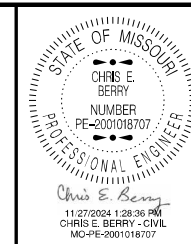
REFERENCE SPECIAL SHEET 3 OF 8 FOR ISLAND DETAILS
REFERENCE STD 203.50 AND 608.30

CABLE, LOOP DETECTORS, IN-DUCT			
LOCATION	LOOP #	LOOP DETECTOR CABLE IN DUCT 902-85.00 (LF)	REMARKS
ROUTE 5, SB LANE	1	320	LEFT TURN LANE
ROUTE 5, SB LANE	2	310	THRU LANE
ROUTE 5, NB LANE	3	330	THRU LANE
ROUTE 5, NB LANE	4	350	LEFT TURN LANE
TOTAL USE		1310	

CUT EXISTING LOOP WIRES / SEE STD. 902.50 FOR LOOP DETECTION INSTALLATION DETAILS
INSTALL NEW LOOP DETECTORS INTO EXISTING PAVEMENT AFTER COLDMILLING & PRIOR TO RESURFACING

BITUMINOUS SHOULDER RUMBLE STRIP					
LOG MILE	LOG MILE	LENGTH (FT)	ENTRANCE EXCEPTIONS LT/RT (FT)	BITUMINOUS SHOULDER RUMBLE STRIP (STA)	REMARKS
299.185	316.455	91186	38552	1438.2	ROUTE 5
TOTAL				1438.2	

REFER TO STD 626.00 FOR RUMBLE STRIP LOCATION.



DATE PREPARED
11/26/2024

ROUTE 5 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY
WRIGHT/DOUGLAS

JOB NO.
J9P3605

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)

COLDMILLING									
LOG MILE	LOG MILE	LOC	LENGTH (FT)	AREA (SF)	TRAVELWAY WIDTH (FT)	SHOULDER WIDTH (FT)	MODIFIED COLDMILLING DEPTH TRANSITION (SY)	COLDMILLING 3" OR LESS (SY)	REMARKS
298.590	298.740	LT/RT	792	15840	-	20	-	1760.0	ROUTE 5 SHOULDERS - BEGIN PROJECT (MILL/FILL 10' SHOULDERS)
298.756	298.813	LT/RT	301	6020	-	20	-	668.9	ROUTE 5 SHOULDERS - (MILL/FILL 10' SHOULDERS)
298.813	298.832	MAINLINE	100	4400	24	20	488.9	-	ROUTE 5 TRAVELWAY & 10' SHOULDERS - BEGIN ASPHALT SECTION
299.155	299.173	MAINLINE	100	3400	24	10	377.8	-	NORTH BRIDGE END A0327 (AVG SHOULDER WIDTH 5')
299.185	299.204	MAINLINE	100	3400	24	10	377.8	-	SOUTH BRIDGE END A0327 (AVG SHOULDER WIDTH 5')
304.198	304.216	MAINLINE	100	3400	24	10	377.8	-	NORTH BRIDGE END A0275 (AVG SHOULDER WIDTH 5')
304.255	304.274	MAINLINE	100	3400	24	10	377.8	-	SOUTH BRIDGE END A0275 (AVG SHOULDER WIDTH 5')
308.511	-	LT	50	1000	20	-	111.1	-	STATE ROUTE INTERSECTION - MO 76
308.511	-	RT	50	1000	20	-	111.1	-	STATE ROUTE INTERSECTION - ROUTE B
310.779	310.798	MAINLINE	100	3800	38	-	422.2	-	NORTH MO 5/MO 14 INTERSECTION
310.798	310.848	MAINLINE	267	11748	44	-	-	1305.3	MILL/FILL MO 5/MO 14 INTERSECTION
310.848	310.867	MAINLINE	100	4000	40	-	444.4	-	SOUTH MO 5/MO 14 INTERSECTION
311.326	-	RT	50	1200	24	-	133.3	-	STATE ROUTE INTERSECTION - ROUTE Y
312.637	-	LT	50	1000	20	-	111.1	-	STATE ROUTE INTERSECTION - BUS 5
312.637	-	RT	50	1000	20	-	111.1	-	STATE ROUTE INTERSECTION - MO 76
315.053	-	LT	50	1000	20	-	111.1	-	STATE ROUTE INTERSECTION - ROUTE AF
316.420	-	RT	50	1000	20	-	111.1	-	STATE ROUTE INTERSECTION - ROUTE A
316.437	316.455	MAINLINE	100	3800	24	14	422.2	-	ROUTE 5 TRAVELWAY & 7' SHOULDERS - END PROJECT
310.531	-	LT	50	800	16	-	88.9	-	INDUSTRIAL ROAD - MODIFIED DEPTH TRANSITION AT RADIUS POINT
VARIOUS	-	LT/RT	54	1080	20	-	3000.0	-	PAVED CITY / COUNTY ROAD INTERSECTIONS [25 @ AVG LENGTH = 54']
VARIOUS	-	LT/RT	37	148	4	-	115.1	-	PAVED PRIVATE / COMM ENTRANCES [7 @ WIDTH = 37']
TOTAL							7292.8	3734	
USE							7293	3734	

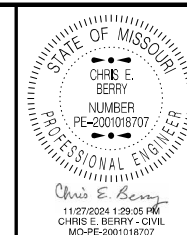
LOG MILES ARE APPROXIMATE.

PAVEMENT MARKING									
LOG MILE	LOG MILE	LT/RT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" SOLID WHITE (L.F.)	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" SOLID YELLOW (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" WHITE TYPE P BEADS (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" SOLID YELLOW TYPE P BEADS (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" INT. YELLOW TYPE P BEADS (L.F.)	REMARKS	
298.590	298.740	-	-	-	1584	1584	-	MO 5 CONCRETE SECTION	
298.740	-	-	20	-	-	-	-	MO 5 N - INTERSECTION OF MO 5 AND BUS 60	
298.743	-	-	30	-	-	-	-	BUS 60 E - INTERSECTION OF MO 5 AND BUS 60	
298.747	-	-	20	-	-	-	-	RTE B W - INTERSECTION OF MO 5 AND RTE B	
298.756	-	-	12	-	-	-	-	MO 5 S - INTERSECTION OF MO 5 AND BUS 60	
298.756	298.813	1	-	-	602	602	-	MO 5 CONCRETE SECTION	
298.813	316.455	14	-	326	187337	85262	16710	MO 5 ASPHALT SECTION	
310.770	-	-	24	-	-	-	-	MO 5 N - INTERSECTION OF MO 5 AND MO 14	
310.824	-	-	24	-	-	-	-	MO 5 S - INTERSECTION OF MO 5 AND MO 14	
312.576	-	-	24	-	-	-	-	MO 5 N - INTERSECTION OF MO 5 AND MO 76	
312.637	-	-	20	-	-	-	-	BUS 5 E - INTERSECTION OF MO 5 AND BUS 5	
312.637	-	-	24	-	-	-	-	MO 76 W - INTERSECTION OF MO 5 AND MO 76	
312.640	-	-	24	-	-	-	-	MO 5 S - INTERSECTION OF MO 5 AND MO 76	
TOTAL			15	222	326	189523	87448	16710	
USE			15	222	326	189523	104158		

LOG MILES ARE APPROXIMATE.

REFER TO STD 620.00 FOR EDGELINE STRIPE LOCATION.

SEE PAVEMENT MARKING LOG JSP.



DATE PREPARED
11/26/2024
ROUTE 5 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY
WRIGHT/DOUGLASS
JOB NO.
J9P3605
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

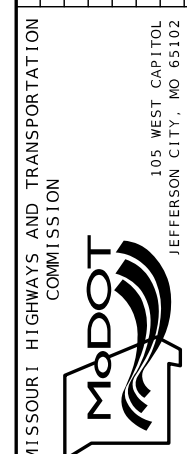
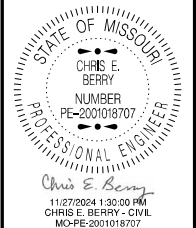


Table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION. Contains WARNING SIGNS, REGULATORY SIGNS, and RELOCATED SIGNS sections.

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION. Contains GUIDE SIGNS and REGULATORY SIGNS sections.

Summary table with columns: CATEGORY, TOTAL. Includes rows for CONSTRUCTION SIGNS (1984) and RELOCATED SIGNS (0).

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Lists various items like IMPACT ATTENUATOR, TRUCK MOUNTED ATTENUATOR, etc.



DATE PREPARED: 11/26/2024
ROUTE: 5, STATE: MO, DISTRICT: SE, SHEET NO.: 3
COUNTY: WRIGHT/DOUGLAS
JOB NO.: J9P3605
CONTRACT ID.:

Table with columns: DATE, DESCRIPTION. Vertical list of dates and descriptions.

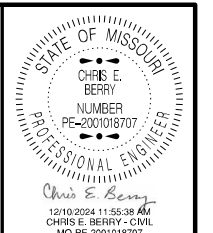
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT logo
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GUARDRAIL

LOG MILE	LOG MILE	LOCATION	MGS GUARDRAIL (LF)	MGS GUARDRAIL 8 FT POSTS 6 FT 3 IN SPACING (LF)	MGS HEIGHT AND BLOCK TRANSITION (EA)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MGS END ANCHOR (EA)	MODIFIED SHAPING SLOPES CLASS III (LF)	3" MINUS AGGREGATE (TONS)	REMARKS
298.958	299.071	001_RT	550.0	-	-	1	1	80	115	EXTEND 125' NORTH / WRAP CITY STREET SOUTH
298.979	299.076	002_LT	437.5	-	-	1	1	80	115	EXTEND 4.5' NORTH / WRAP CITY STREET SOUTH
299.107	299.173	003_LT	-	275.0	1	1	-	80	115	NE CORNER OF BRIDGE A0327 / REMOVE 47' NORTH
299.094	299.173	004_RT	-	400.0	1	-	1	-	-	NW CORNER OF BRIDGE A0327 / WRAP CITY STREET NORTH
299.185	299.206	005_RT	-	37.5	1	1	-	80	115	SW CORNER OF BRIDGE A0327 / DO NOT EXTEND SOUTH
299.185	299.225	006_LT	-	137.5	1	1	-	80	115	SE CORNER OF BRIDGE A0327 / EXTEND 105.5' SOUTH
299.542	299.786	007_LT	1187.5	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 101.5' SOUTH
299.490	299.767	008_RT	1362.5	-	-	2	-	160	230	EXTEND 212.5' NORTH & 4' SOUTH
300.110	300.228	009_RT	525.0	-	-	2	-	160	230	EXTEND 59' NORTH & 50' SOUTH
300.117	300.237	010_LT	537.5	-	-	2	-	160	230	EXTEND 21.5' NORTH & 100' SOUTH
300.375	300.444	011_LT	262.5	-	-	2	-	160	230	EXTEND 25' NORTH & 36.5' SOUTH
300.407	300.459	012_RT	175.0	-	-	2	-	160	230	REMOVE 37.5' NORTH & EXTEND 112.5' SOUTH
300.565	300.620	013_RT	187.5	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 89.5' SOUTH
300.552	300.621	014_LT	262.5	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 121.5' SOUTH
300.862	300.924	015_RT	275.0	-	-	1	1	80	115	EXTEND 10' NORTH / WRAP PRIVATE ENT. SOUTH
300.865	301.019	016_LT	712.5	-	-	2	-	160	230	DO NOT EXTEND & FLARE CWE NORTH / EXTEND 174.5' SOUTH
300.936	300.988	017_RT	175.0	-	-	2	-	160	230	REMOVE 6' NORTH & DO NOT EXTEND SOUTH
301.490	301.615	018_LT	562.5	-	-	2	-	160	230	EXTEND 37.5' NORTH & 189' SOUTH
301.644	301.762	019_RT	525.0	-	-	2	-	160	230	EXTEND 87' NORTH & REMOVE 10' SOUTH
301.639	301.762	020_LT	550.0	-	-	2	-	160	230	EXTEND 94' NORTH / DO NOT EXTEND SOUTH
302.375	302.605	021_LT	1112.5	-	-	2	-	160	230	EXTEND 225' NORTH & 40.5' SOUTH
302.936	303.009	022_RT	387.5	-	-	1	1	80	115	WRAP PRIVATE ENT. NORTH / EXTEND 6.5' SOUTH
302.909	303.013	023_LT	450.0	-	-	2	-	160	230	EXTEND 146.5' NORTH & 62.5' SOUTH
303.390	303.478	024_RT	425.0	-	-	1	1	80	115	EXTEND 25' NORTH / WRAP PRIVATE ENT. SOUTH
303.388	303.479	025_LT	437.5	-	-	1	1	80	115	EXTEND 37.5' NORTH / WRAP PRIVATE ENT. SOUTH
303.575	303.646	026_RT	275.0	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 24' SOUTH
303.573	303.675	027_LT	437.5	-	-	2	-	160	230	EXTEND 12.5' NORTH & 72' SOUTH
303.926	304.060	028_LT	612.5	-	-	2	-	160	230	EXTEND 50' NORTH & 36.5' SOUTH
304.155	304.216	029_RT	-	-	-	-	-	-	-	NW CORNER OF BRIDGE A0275 - UIP
304.155	304.216	030_LT	-	-	-	-	-	-	-	NE CORNER OF BRIDGE A0275 - UIP
304.255	304.335	031_RT	-	-	-	-	-	-	-	SW CORNER OF BRIDGE A0275 - UIP
304.255	304.335	032_LT	-	-	-	-	-	-	-	SE CORNER OF BRIDGE A0275 - UIP
305.450	305.765	033_RT	1562.5	-	-	2	-	160	230	EXTEND 150' NORTH & 5.5' SOUTH
305.478	305.511	034_LT	75.0	-	-	2	-	160	230	DO NOT EXTEND NORTH / REMOVE 45' SOUTH
305.542	305.767	035_LT	1087.5	-	-	2	-	160	230	REMOVE 35.5' NORTH & 10' SOUTH
306.037	306.183	036_RT	737.5	-	-	1	1	80	115	WRAP CITY STREET NORTH / EXTEND 78' SOUTH
306.059	306.179	037_LT	537.5	-	-	2	-	160	230	EXTEND 8' NORTH & 87.5' SOUTH
306.491	306.741	038_RT	1262.5	-	-	1	1	80	115	EXTEND 21' NORTH / WRAP PRIVATE ENT. SOUTH
306.477	306.716	039_LT	1237.5	-	-	1	1	80	115	WRAP PRIVATE ENT. NORTH & DO NOT EXTEND SOUTH
307.012	307.223	040_RT	1012.5	-	-	2	-	160	230	REMOVE 12.5' NORTH / EXTEND 6' SOUTH
307.009	307.222	041_LT	1025.0	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 6' SOUTH
307.630	307.838	042_RT	1000.0	-	-	2	-	160	230	EXTEND 100' NORTH / DO NOT EXTEND SOUTH
307.642	307.839	043_LT	937.5	-	-	2	-	160	230	EXTEND 37.5' NORTH / DO NOT EXTEND SOUTH
308.049	308.249	044_RT	950.0	-	-	2	-	160	230	REMOVE 4' NORTH / DO NOT EXTEND SOUTH
308.049	308.255	045_LT	987.5	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 33.5' SOUTH
308.886	309.140	046_RT	1312.5	-	-	1	1	80	115	WRAP CITY STREET NORTH / EXTEND 12.5' SOUTH
308.887	309.138	047_LT	1225.0	-	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 1' SOUTH
309.489	309.612	048_RT	550.0	-	-	2	-	160	230	EXTEND 94' NORTH & 100' SOUTH
309.488	309.602	049_LT	500.0	-	-	2	-	160	230	EXTEND 200' NORTH & 46' SOUTH
309.678	309.711	050_RT	75.0	-	-	2	-	160	230	EXTEND 7' NORTH & REMOVE 37' SOUTH
309.721	309.812	051_RT	437.5	-	-	1	1	80	115	WRAP PRIVATE ENT. NORTH & 50' SOUTH
309.672	309.811	052_LT	637.5	-	-	2	-	160	230	EXTEND 39.5' NORTH & 50' SOUTH
309.921	310.080	053_RT	737.5	-	-	2	-	160	230	EXTEND 100' NORTH & 86.5' SOUTH
309.926	310.080	054_LT	762.5	-	-	1	1	80	115	EXTEND 75' NORTH / WRAP PRIVATE ENT. SOUTH
311.405	311.566	055_RT	-	750	-	2	-	160	230	REMOVE 340' NORTH & 50' SOUTH
311.386	311.580	056_LT	-	962.5	-	2	-	160	230	REMOVE 1' NORTH & WRAP CR 500 SOUTH
311.640	311.763	057_RT	-	612.5	-	1	1	80	115	WRAP PRIVATE ENT. NORTH & EXTEND 5' SOUTH
311.640	311.782	058_LT	-	700	-	1	1	80	115	WRAP PRIVATE ENT. NORTH & EXTEND 3.5' SOUTH
311.824	312.020	059_RT	-	937.5	-	2	-	160	230	DO NOT EXTEND NORTH / EXTEND 5.5' SOUTH
311.843	312.032	060_LT	-	900	-	2	-	160	230	DO NOT EXTEND NORTH / REMOVE 3' SOUTH
313.365	313.662	061_RT	-	1587.5	-	1	1	80	115	WRAP CITY STREET NORTH & EXTEND 574' SOUTH
313.348	313.547	062_LT	-	1012.5	-	1	1	80	115	WRAP PRIVATE ENT. NORTH & EXTEND 11' SOUTH
314.150	314.276	063_RT	-	650	-	1	1	80	115	EXTEND 10.5' NORTH & WRAP PRIVATE ENT. SOUTH
314.168	314.273	064_LT	-	537.5	-	1	1	80	115	EXTEND 1' NORTH & WRAP PRIVATE ENT. SOUTH
TOTAL			31075	9500	4	97	19	7760	11155	FOR INFORMATION ONLY

REMARKS ARE BASED ON EXISTING GUARDRAIL END LOCATIONS
SEE STANDARD PLANS 606.50 AND 606.81 FOR DETAILS

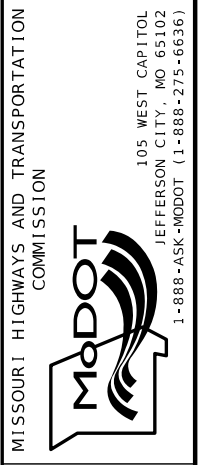
**SUMMARY OF QUANTITIES
SHEET 4 OF 5**



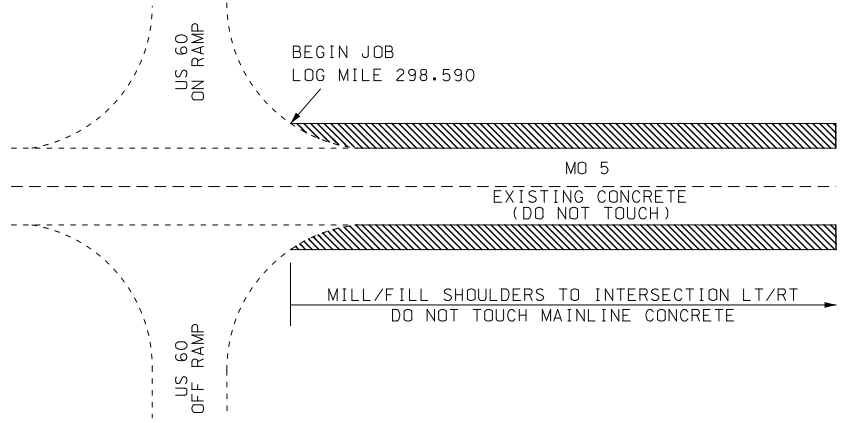
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12/10/2024
ROUTE
5 STATE
MO
DISTRICT SHEET NO.
SE 3
COUNTY
WRIGHT/DOUGLAS
JOB NO.
19P3605
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

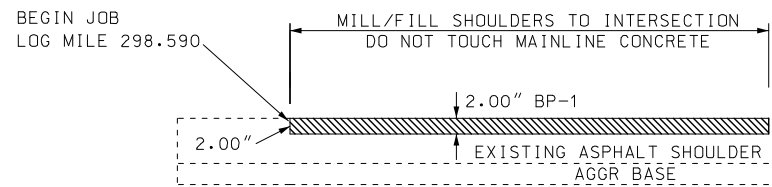
DATE	DESCRIPTION



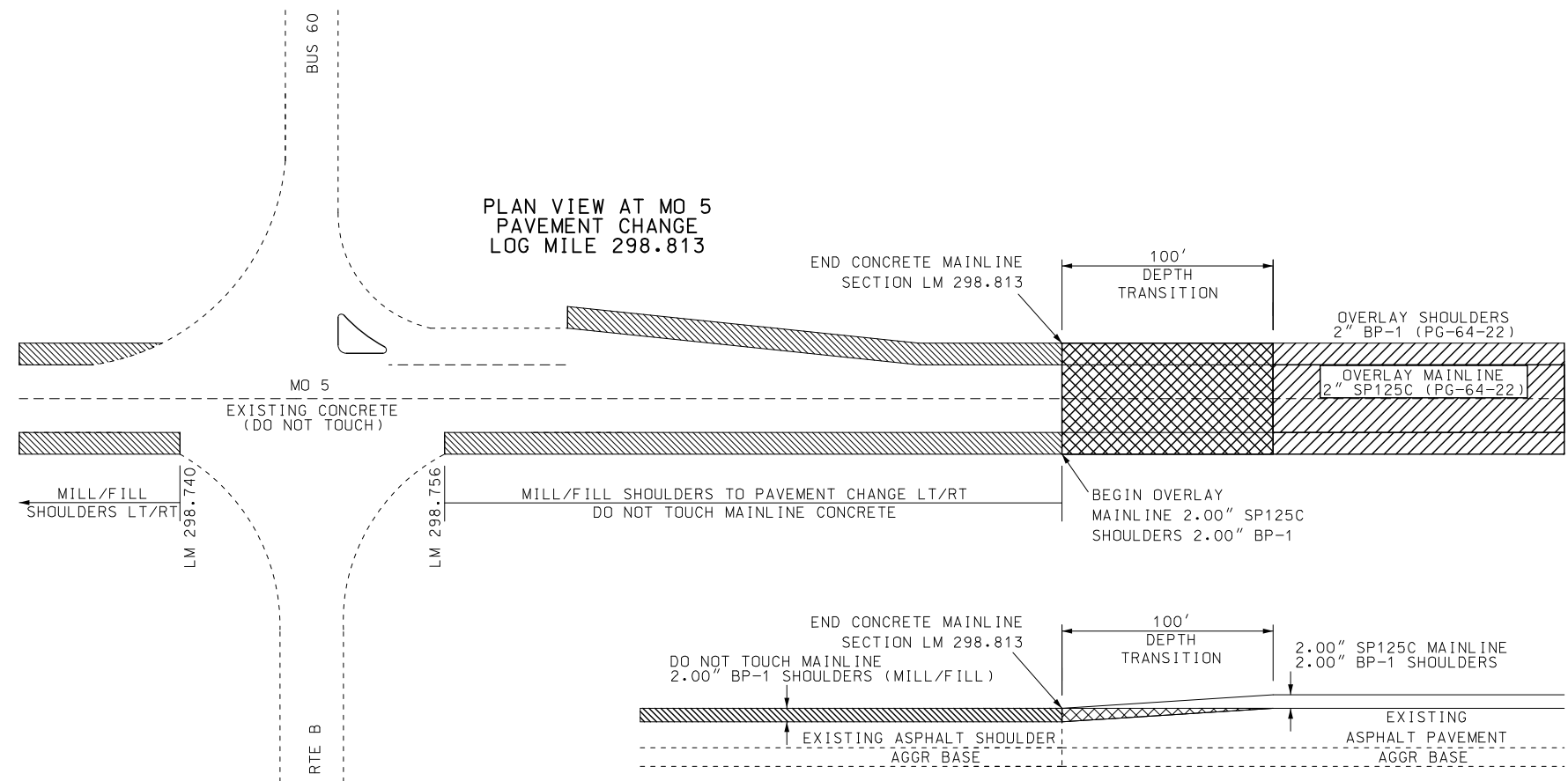
BEGIN PROJECT



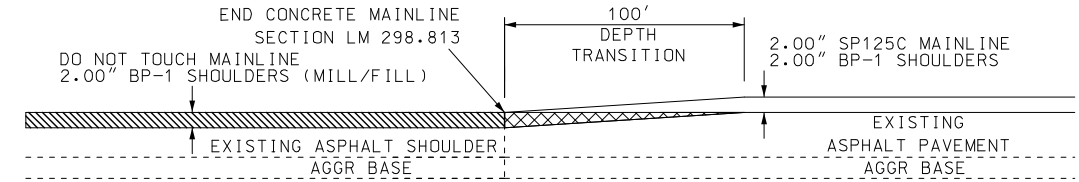
PLAN VIEW AT MO 5
LOG MILE 298.590



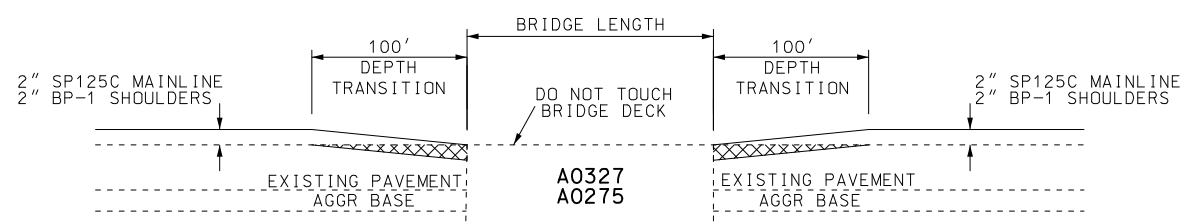
TYPICAL
MO 5






PLAN VIEW AT MO 5
PAVEMENT CHANGE
LOG MILE 298.813



TYPICAL
MO 5

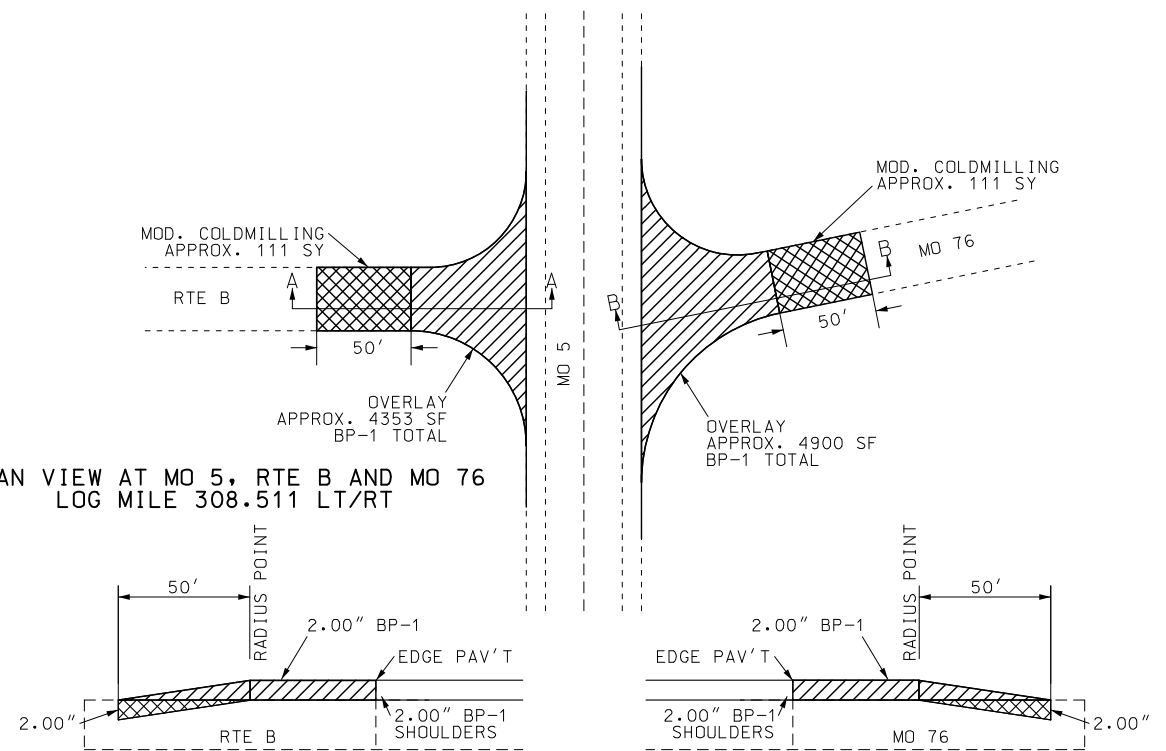


TYPICAL AT BRIDGE A0327 LOG MILE 299.173 (BEGIN BRIDGE)
LOG MILE 299.185 (END BRIDGE)
TYPICAL AT BRIDGE A0275 LOG MILE 304.216 (BEGIN BRIDGE)
LOG MILE 304.255 (END BRIDGE)

-  OVERLAY
-  MODIFIED COLDMILLING
-  MILL/FILL

LOG MILE LOCATIONS APPROXIMATE
ADJUST AS DIRECTED BY ENGINEER
TO FIT FIELD CONDITIONS.

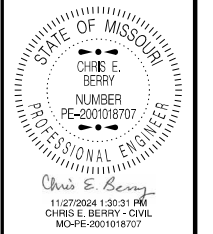
PLAN VIEW AT MO 5, RTE B AND MO 76
LOG MILE 308.511 LT/RT



TYPICAL
SECTION A-A

TYPICAL
SECTION B-B


SPECIAL SHEET
SHEET 1 OF 8
DRAWING NOT TO SCALE



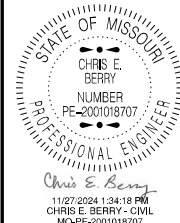
DATE PREPARED 11/25/2024	
ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 4
COUNTY WRIGHT/DOUGLAS	
JOB NO. J9P3605	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED

11/25/2024

ROUTE STATE

5 MO

DISTRICT SHEET NO.

SE 11

COUNTY

WRIGHT/DOUGLAS

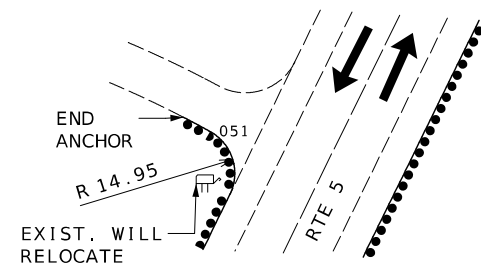
JOB NO.

19P3605

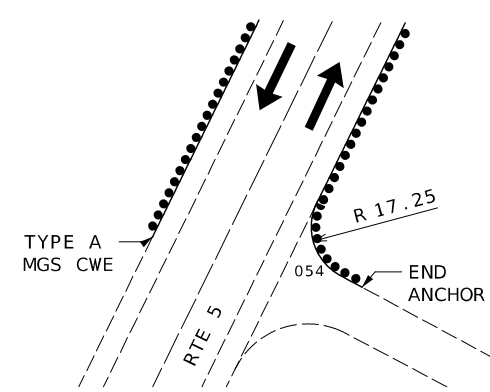
CONTRACT ID.

PROJECT NO.

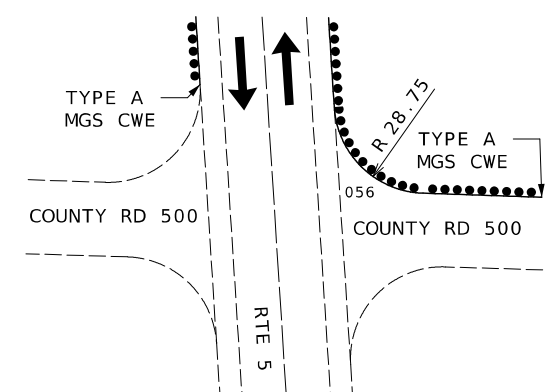
BRIDGE NO.



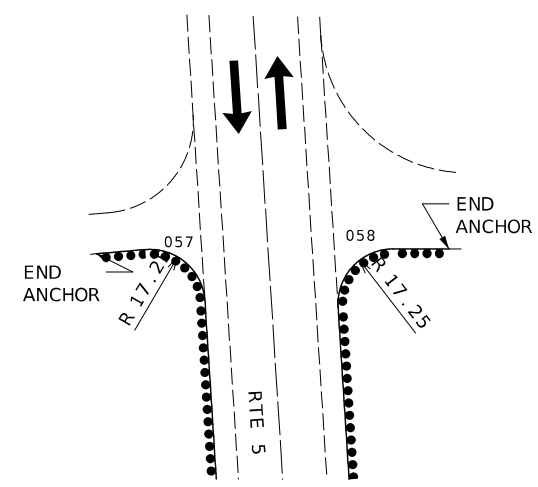
051 LOG MILE 309.721



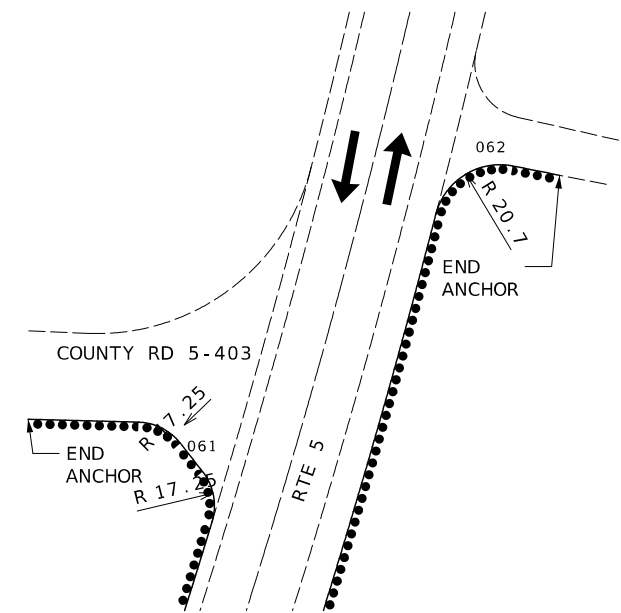
054 LOG MILE 310.080



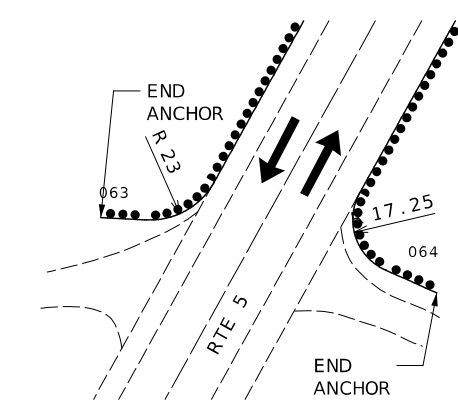
056 LOG MILE 311.580



057 LOG MILE 311.640
058 LOG MILE 311.640



061 LOG MILE 313.365
062 LOG MILE 313.348



063 LOG MILE 314.276
064 LOG MILE 314.273

NOTES:
- LENGTH OF GUARDRAIL SHOWN IS APPROXIMATE
REFER TO EPG 606.1

LOG MILES ARE APPROXIMATE.

SPECIAL SHEET
SHEET 8 OF 8
DRAWING NOT TO SCALE



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

SPEED	SIGN SPACING		TAPER LENGTH		OPTIONAL BUFFER LENGTH (B)	CHANNELIZER SPACING	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	SHOULDER (2) (T2)		TAPER	BUFFER/ WORK AREA
0 - 35	200'	200'	70'	245'	280'	35'	40'
40 - 45	350'	500'	150'	540'	400'	40'	80'
50 - 55	500'	500'	185'	660'	560'	50'	80'
60 - 70	1000'	SA-1000' SB-1500' SC-2640'	235'	840'	840'	60'	120'



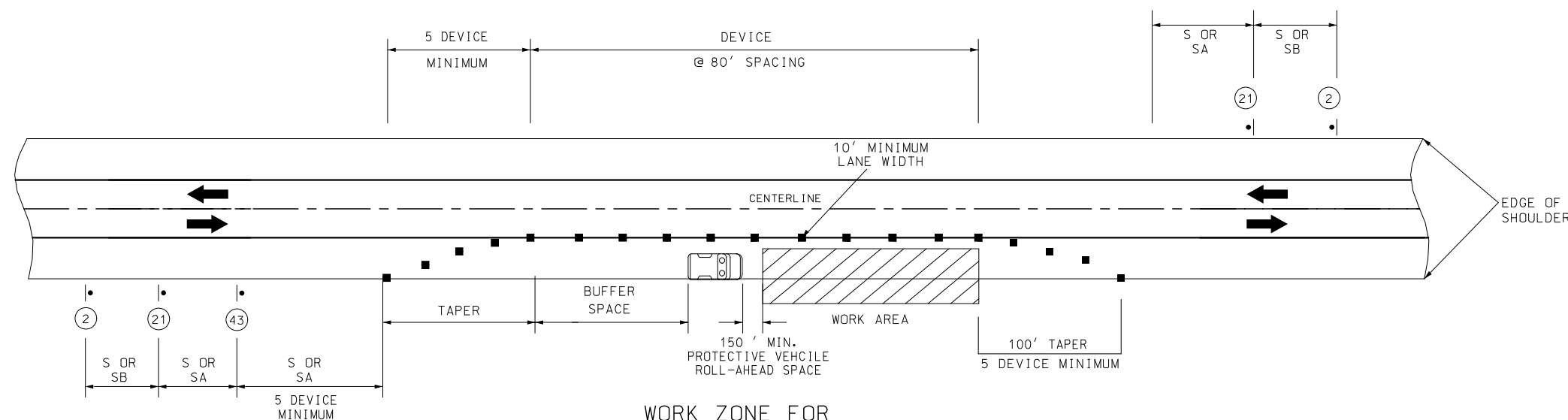
W020-1
②



W021-5
②①



W05-1
④③



WORK ZONE FOR
SHOULDER WORK WITH MINOR
ENCROACHMENT ON DIVIDED
AND UNDIVIDED HIGHWAYS

NOTES:

- REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.
- SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.
- THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES.
- SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

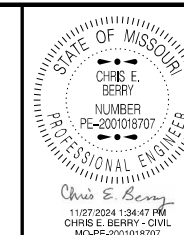
(1) SHOULDER TAPER LENGTH BASED ON 10' (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12' (STANDARD LANE WIDTH) OFFSET.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- SIGN

TRAFFIC CONTROL
SHEET 1 OF 2
DRAWING NOT TO SCALE



DATE PREPARED
11/25/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 12

COUNTY

WRIGHT / DOUGLAS

JOB NO.

J9P3605


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

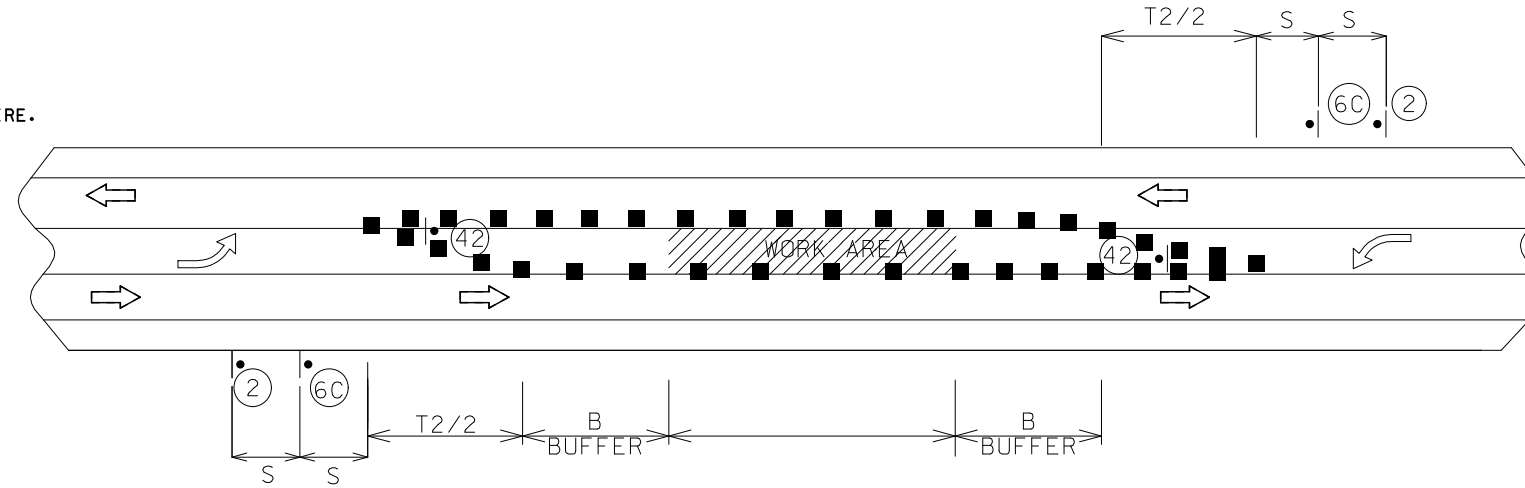
DESCRIPTION	DATE

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

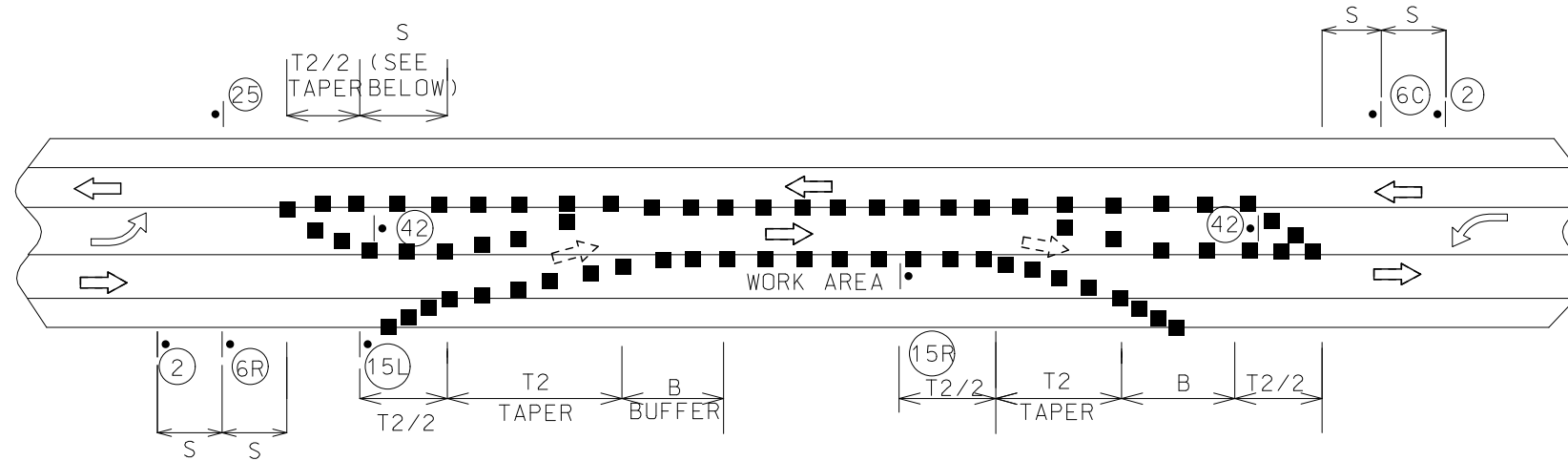


GENERAL NOTES:

1. ALL STATIONING, DISTANCES AND SPACING OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND MAY BE ADJUSTED BASED ON FIELD CONDITIONS.
2. ALL EXISTING SIGNS ARE TO BE USED IN PLACE, ADJUSTED, AND/OR COVERED AS CONDITIONS REQUIRE.
3. SEE CHART FOR CHANNELIZER SPACING

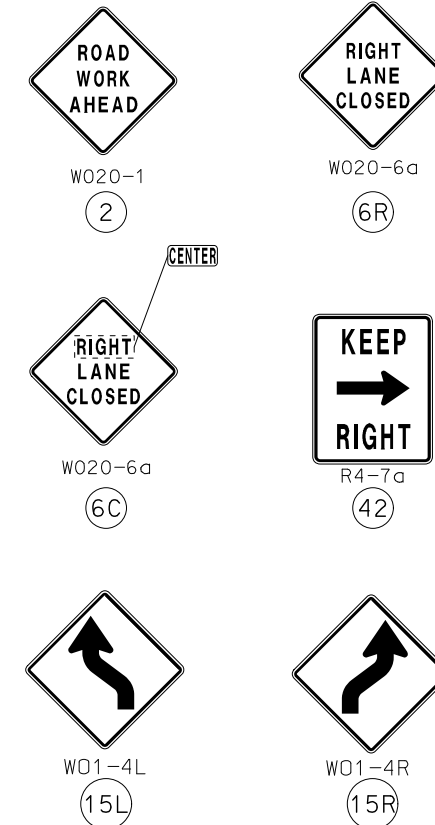


CENTER TURN LANE CLOSURE



THROUGH LANE CLOSURE
(MAINTAIN AT LEAST 16' LANE WIDTH IN TAPER)

* FOR PAVED SHOULDER, A 4 DEVICE, T1 TAPER SHALL BE PLACED ON THE SHOULDER IN ADVANCE OF THE THROUGH LANE TAPER



TRAFFIC CONTROL LEGEND

- SIGN (PORTABLE MOUNT)
- CHANNELIZER (TRIM LINE)

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/WORK AREAS
0 - 35	200	-	70	245	280	35	40
40 - 45	350	-	150	540	400	40	80
50 - 55	500	-	185	660	560	50	80
60 - 70	1000	-	235	840	840	60	120

1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET. 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.



DATE PREPARED
11/25/2024
ROUTE 5 STATE MO
DISTRICT SE SHEET NO. 13
COUNTY
WRIGHT/DOUGLAS

JOB NO.
J9P3605
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)

STANDARD SIGN ASSEMBLIES																
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH													
			SH R1-1 36X36	SH R2-1 36X48	SH M1-5 24X24	SH M3-1 24X12	SH M4-3 24X12	SH M6-1 21X15	SH M6-3 21X15	SH M6-6L 21X15	SH M1-5 24X24	SH R2-1 36X48	SH M3-2 24X12	SH R1-2 48X48	SHF S3-1 36X36	SHF W3-1 36X36
1	299.072	MO 5 S	1													
2	299.078	MO 5 S	1													
3	306.037	MO 5 S	1													
4	308.886	MO 5 S	1													
5	310.531	MO 5 S	1													
6	36.428	MO 5 N		1												
7	37.746	MO 5 N			1	1										
8	37.807	MO 5 N		1												
9	40.112	MO 5 N			2		1	1	1	1						
10	41.333	MO 5 N								1						
11	41.464	MO 5 N			1	1					1					
12	42.237	MO 5 N										1				
13	43.892	MO 5 N	1													
14	44.282	MO 5 N			1	1										
15	44.373	MO 5 N		1												
16	46.515	MO 5 N											1			
17	50.695	MO 5 N		1												
18	53.745	MO 5 N												1		
SUBTOTAL			1	6	4	5	3	1	1	1	1	1	1	1		

SIGN SUMMARY							EFFECTIVE: 10-01-2016	
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. NO.	SIGN SHT. EACH	SIGN SIZE	TYPE & SQUARE FEET				
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A	
R1-1	6		36X36	54.00				
R2-1	4		36X48	48.00				
M1-5	5		24X24	20.00				
M3-1	3		24X12	6.00				
M4-3	1		24X12	2.00				
M6-1	1		21X15	2.19				
M6-3	1		21X15	2.19				
M6-6L	1		21X15	2.19				
M1-5	2		24X24	8.00				
R2-1	1		36X48	12.00				
M3-2	1		24X12	2.00				
R1-2	1		48X48	16.00				
S3-1	1		36X36		9.00			
W3-1	1		36X36		9.00			
SUBTOTAL				1	175	18		

*ORANGE, YELLOW AND YELLOW-GREEN

SIGNING SHEET
SHEET 1 OF 3

D-30

DATE PREPARED
11/25/2024

ROUTE **5** STATE **MO**

DISTRICT **SE** SHEET NO. **14**

COUNTY
WRIGHT/DOUGLAS

JOB NO.
J9P3605

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)

STANDARD SIGN ASSEMBLIES														
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH											
			B	76	JCT	5	WEST	SOUTH	↓	SPEED LIMIT 45	→	Y	↑	AF
			SH M1-5a 24x24	SH M1-5 24x24	SH M2-1 21x15	SH M1-5 24x24	SH M3-4 24x12	SH M3-3 24x12	SH R1-2 48x48	SH R2-1 36x48	SH M6-1 21x15	SH M1-5a 24x24	SH M6-3 21x15	SH M1-5a 30x24
19	308.299	MO 5 S	1	1	1									
20	308.538	MO 5 S		1		1	1	1						
21	310.814	MO 5 S							1					
22	310.937	MO 5 S							1					
23	311.309	MO 5 S		1		1				1	2			
24	312.365	MO 5 S		1	1									
25	314.885	MO 5 S			1							1		
26	315.037	MO 5 S				1				1		1		
27	315.093	MO 5 S				1		1						
SUBTOTAL			2	1	4	3	4	1	2	1	2	1	3	2

SIGN SUMMARY							EFFECTIVE: 10-01-2016	
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET				
				FLAT SHEET SH ITEM NO. 9035004A	FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A	
M1-5a		1	24x24	4.00				
M1-5		4	24x24	16.00				
M2-1		3	21x15	6.57				
M1-5		4	24x24	16.00				
M3-4		1	24x12	2.00				
M3-3		2	24x12	4.00				
R1-2		1	48x48	16.00				
R2-1		1	36x48	12.00				
M6-1		2	21x15	4.38				
M1-5a		1	24x24	4.00				
M6-3		3	21x15	6.57				
M1-5a		2	30x24	10.00				
SUBTOTAL				2	102			
TOTAL				277	18			

*ORANGE, YELLOW AND YELLOW-GREEN

SIGNING SHEET
SHEET 2 OF 3

D-30

DATE PREPARED
11/25/2024

ROUTE **5** STATE **MO**

DISTRICT **SE** SHEET NO. **15**

COUNTY
WRIGHT/DOUGLAS

JOB NO.
J9P3605

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)

SIGNS					CONCRETE FOOTINGS EMBEDDED		STRUCTURAL STEEL POSTS*					PIPE POSTS*				BACKING BARS**				U-CHANNEL POST		PERFORATED SQUARE STEEL TUBE												EFFECTIVE: 07-01-2024	REMARKS AND OTHER REQUIRED ITEMS
902 SIGNAL SIGNS TABULATED ON D-37A SHEET																		2-INCH POST						2.5-INCH POST						BREAK-AWAY ASSEMBLY					
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD	LOCATION	SIGN DTL NO.	ITEM NO. 9031010	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL 9031210	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL 9031220	2" X 3/8" BARS AT 2.55 LBS/FT				ITEM NO. 9031250A	POST NO. 1	POST NO. 2	TOTAL 9031270A	ANCHORS			2.25" INSERT (6 FT)			ANCHORS			
						CY						LBS	IN	LF	LF	LF	LBS	NO.	LGTH	TOTAL	TOTAL	LF	LF	LF	EACH	EACH	EACH	LF	LF	LF	EACH	EACH	EACH		
1	36x36	299.072		MO 5 S	10	0.13							2.5	12		5.79	69.48																		
2	36x36	299.078		MO 5 S	10	0.13							2.5	12		5.79	69.48																		
3	36x36	306.037		MO 5 S	10	0.13							2.5	12		5.79	69.48																		
4	36x36	308.886		MO 5 S	10	0.13							2.5	12		5.79	69.48																		
5	36x36	310.531		MO 5 S	6	0.13							2.5	12		5.79	69.48																		
					SUBTOTAL		0.65																												
					TOTAL		0.7																												



DATE PREPARED
11/25/2024

ROUTE 5 STATE MO
DISTRICT SE SHEET NO. 16

COUNTY
WRIGHT/DOUGLAS

JOB NO.
J9P3605

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)

*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
**BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
	LBS/FT	LBS/IN		DIA.	DEPTH	
2 1/2	5.79	0.48	4'-3 1/2"	12"	4-6"	0.13
4	10.79	0.90	5'-3 1/2"	18"	5-6"	0.36

POST DES. NO.	NOM. SIZE	POST			DIA.	FOOTING																													
		WEIGHT		STUB LENGTH		LEVEL GROUND				6:1 GRADE				4:1 GRADE				3:1 OR 2:1 GRADE																	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.																		
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17																						
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54																						
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78																						
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45																						
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52																						
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65																						

SIGNING SHEET SHEET 3 OF 3

DESIGN DESIGNATION

MO5-N/O M

AADT - 2025 = 1681
 AADT - 2045 = 1857
 DHV = 10.65%
 T = 17.38%
 V = 55 MPH
 D = 0.50%

MO5-S/O M

AADT - 2025 = 1971
 AADT - 2045 = 2177
 DHV = 7.07%
 T = 20.35%
 V = 55 MPH
 D = 0.50%

MO5-S/O V

AADT - 2025 = 3036
 AADT - 2045 = 3116
 DHV = 9.42%
 T = 11.90%
 V = 55 MPH
 D = 0.13%

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

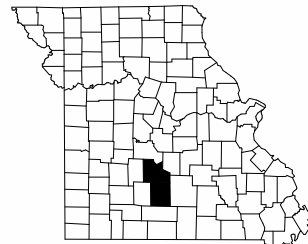
NO ADDITIONAL R/W REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

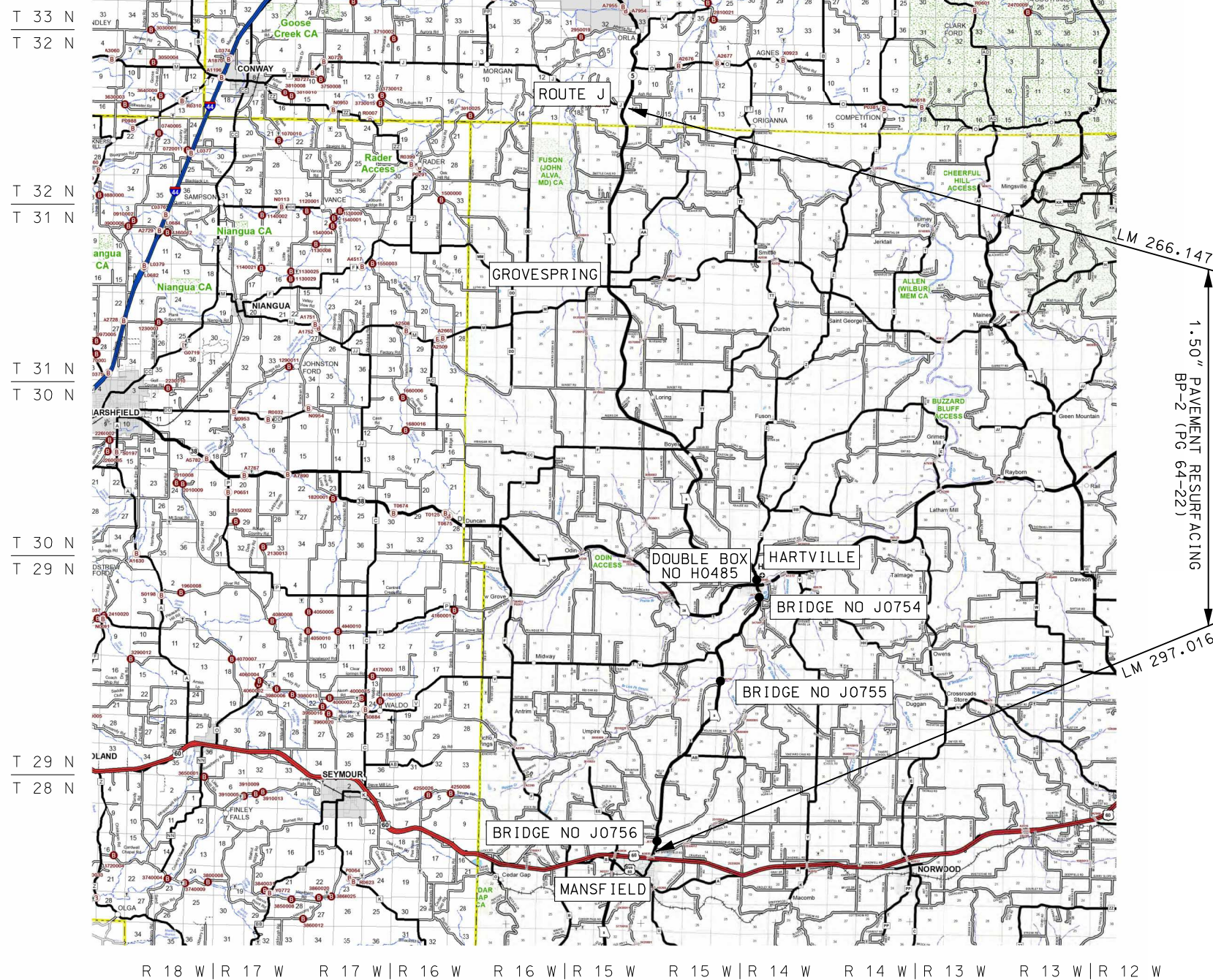
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		
REMOVAL		
REMOVAL BY OTHERS		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
LACLEDE/WRIGHT COUNTY



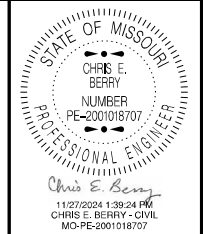
KEY MAP
LOCATION OF LACLEDE/WRIGHT COUNTY



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
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QUANTITIES (QU) (4 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-7
TRAFFIC CONTROL SHEETS (TC)-----	8
SIGNING (SN)-----	9-11



DATE PREPARED
11/25/2024

ROUTE STATE
5 MO

DISTRICT SHEET NO.
SE 1

COUNTY
LACLEDE/WRIGHT

JOB NO.
J9P3697

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

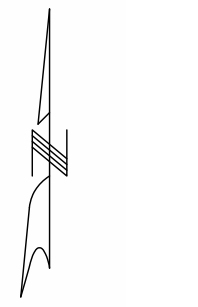
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

LENGTH OF PROJECT

BEGINNING OF PROJECT	LM 266.147
END OF PROJECT	LM 297.016
APPARENT LENGTH	162988.32 FEET
EQUATIONS AND EXCEPTIONS:	NONE

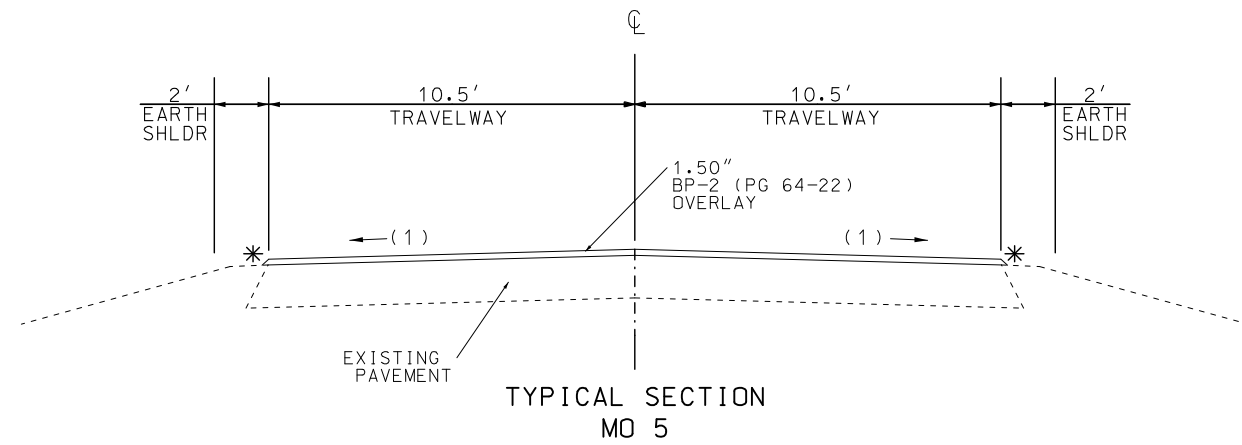
TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	162988.32 FEET
STATE LENGTH	30.869 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES



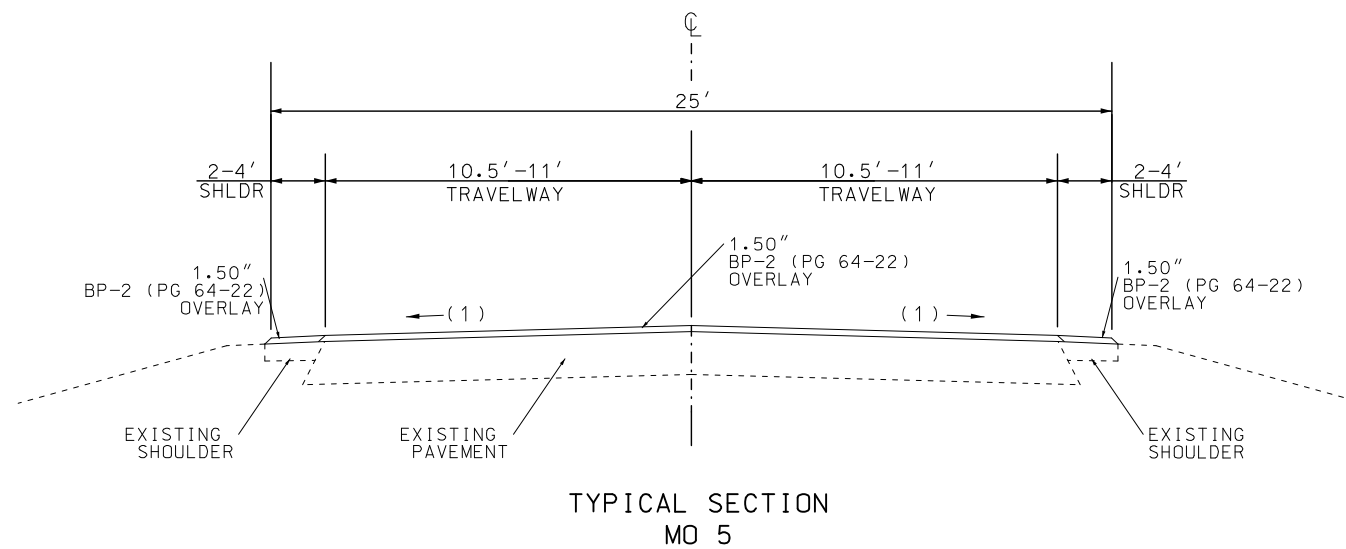
LM 266.147
 PROJECT LIMITS
 1.50" PAVEMENT RESURFACING
 BP-2 (PG 64-22)
 LM 297.016

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
BP-2 PG64-22	2.040 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	

* - SAFETY EDGE - SEE STANDARD 401.00



LOG MILE 266.147 TO LOG MILE 272.501
 LOG MILE 285.783 TO LOG MILE 286.353



NOTES:

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

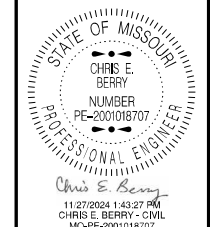
EXISTING TYPICALS ARE FOR INFORMATION ONLY.
 PAVEMENT LAYERS MAY VARY FROM TYPICALS.

(1) MATCH EXISTING TRAVELWAY CROSS SLOPE

LOG MILE LOCATIONS APPROXIMATE. ADJUST AS
 DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

LOG MILE 272.501 TO LOG MILE 285.783 - 10.5' LANES / 2' SHOULDRS
 LOG MILE 286.879 TO LOG MILE 290.387 - 11.0' LANES / 2' SHOULDRS
 LOG MILE 290.449 TO LOG MILE 296.612 - 11.0' LANES / 2' SHOULDRS
 LOG MILE 296.627 TO LOG MILE 297.016 - 11.0' LANES / 4' SHOULDRS



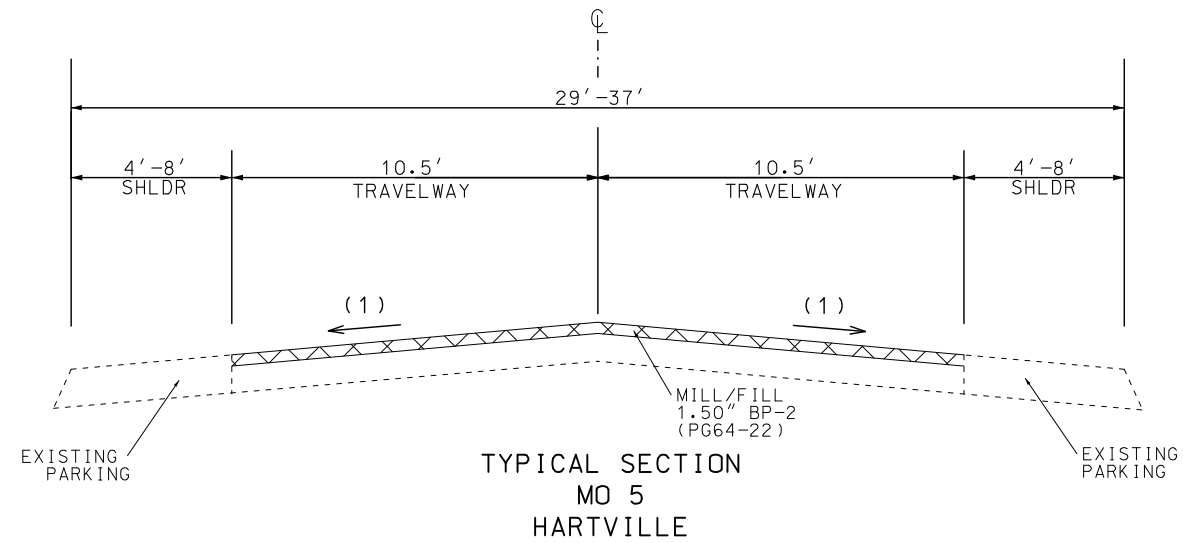
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ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY LACLEDE / WRIGHT	
JOB NO. J9P3697	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

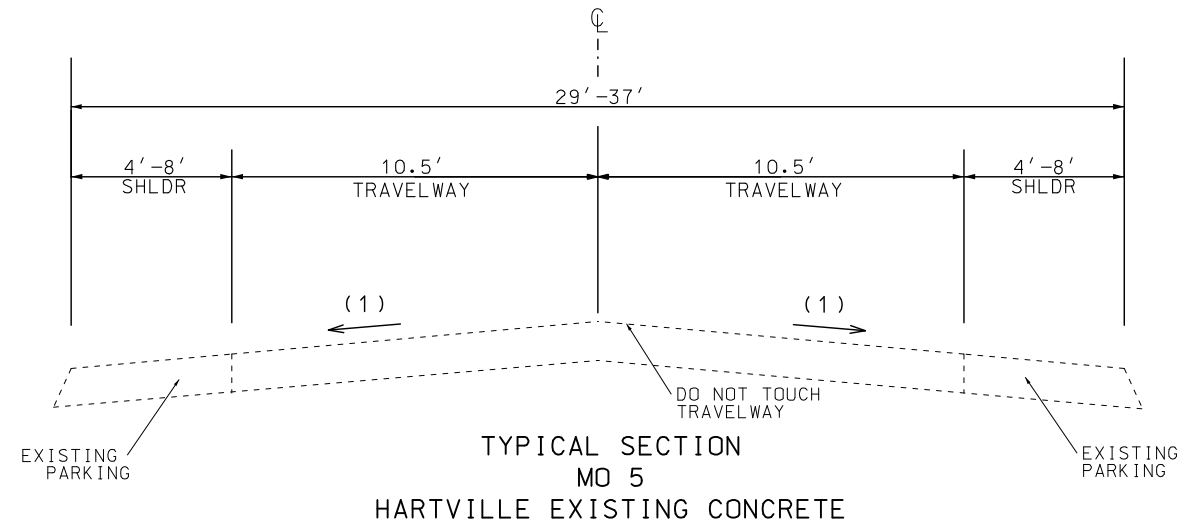
MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

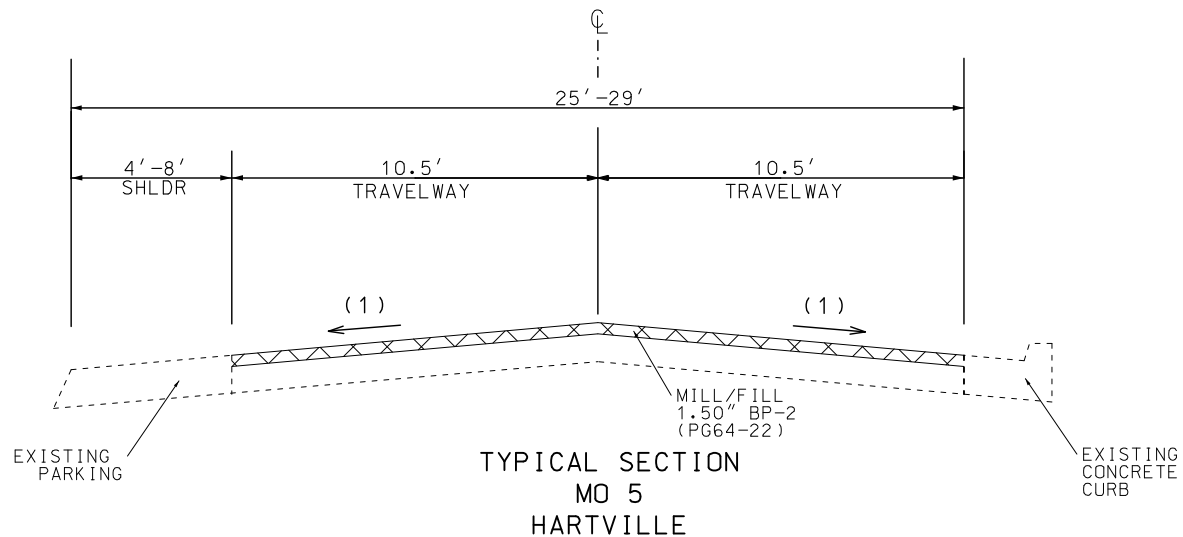
ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
BP-2 PG64-22	2.040 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	



LOG MILE 286.353 TO LOG MILE 286.400
LOG MILE 286.474 TO LOG MILE 286.540



LOG MILE 286.400 TO LOG MILE 286.441



LOG MILE 286.441 TO LOG MILE 286.474

NOTES:

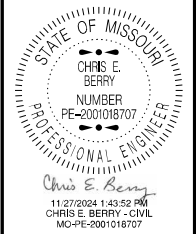
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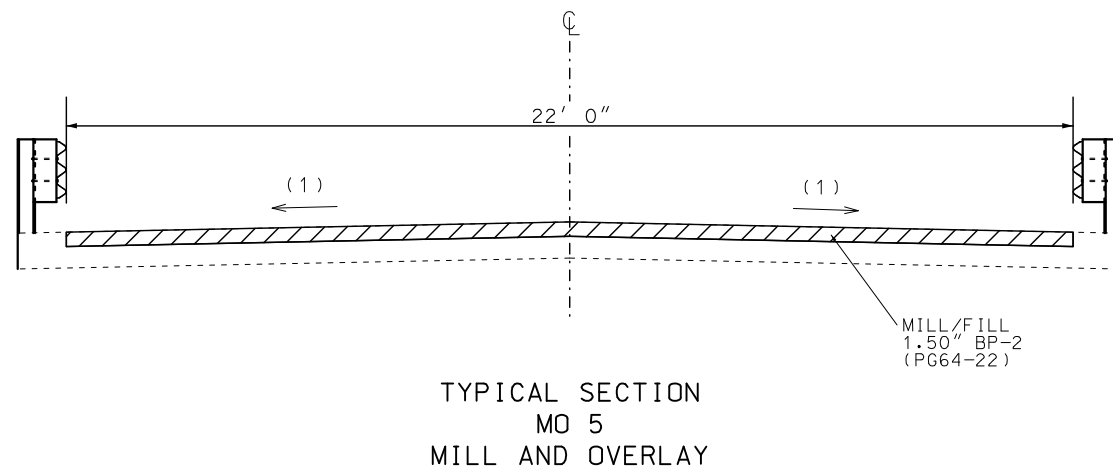
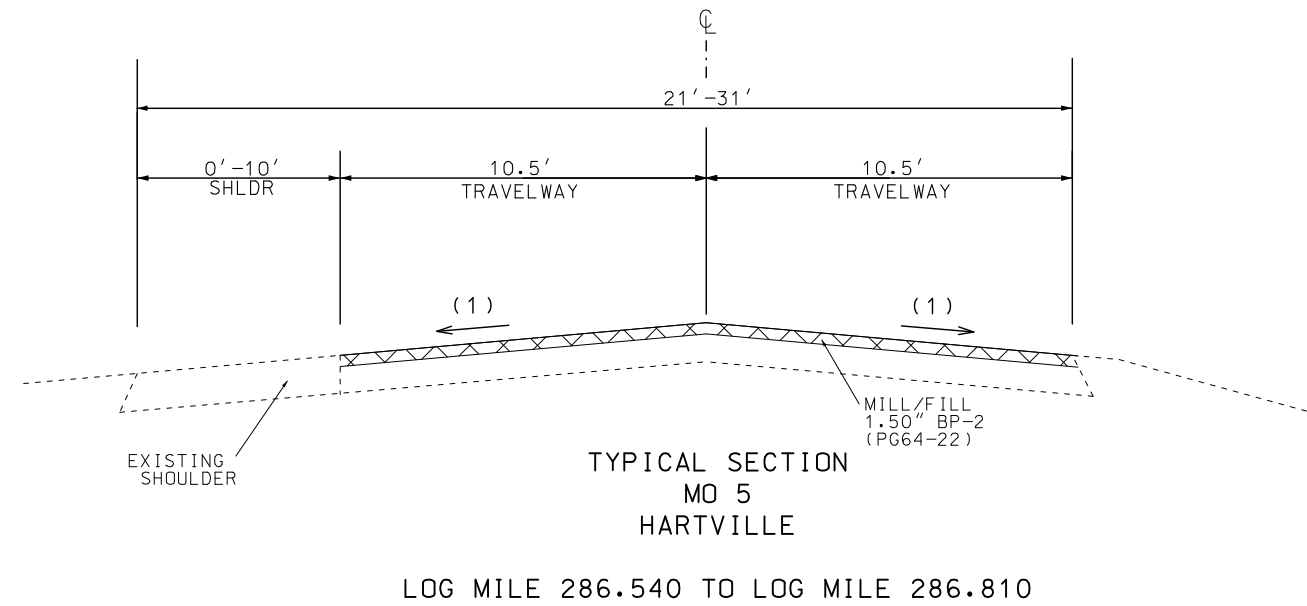
DATE PREPARED	
11/25/2024	
ROUTE	STATE
5	MO
DISTRICT	SHEET NO.
SE	2
COUNTY	
LACLEDE / WRIGHT	
JOB NO.	
J9P3697	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

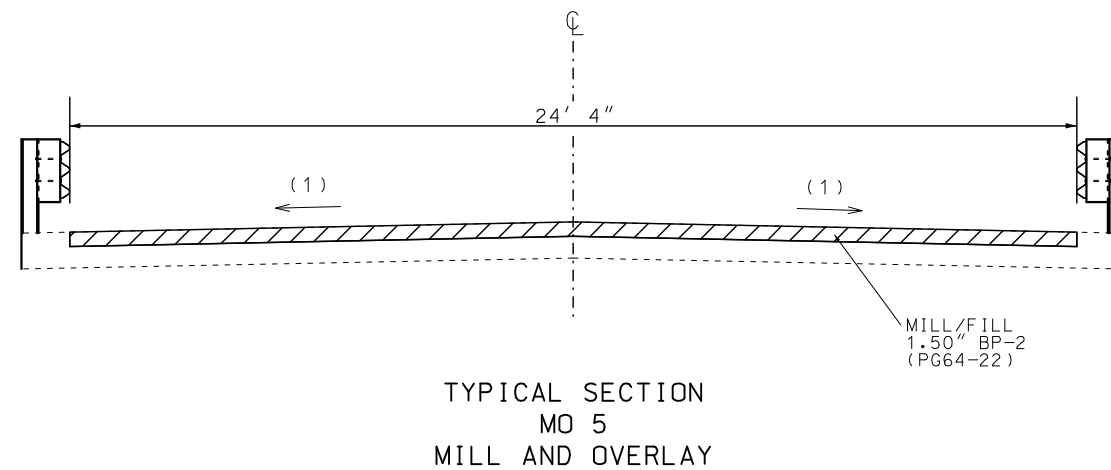
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
BP-2 PG64-22	2.040 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	



BRIDGE J0754
LOG MILE 286.810 TO LOG MILE 286.879

BRIDGE J0756
LOG MILE 296.612 TO LOG MILE 296.627



BRIDGE J0755
LOG MILE 290.387 TO LOG MILE 290.449

NOTES:

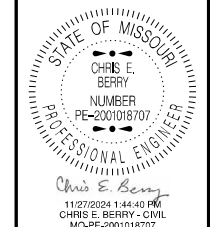
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(1) MATCH EXISTING TRAVELWAY CROSS SLOPE

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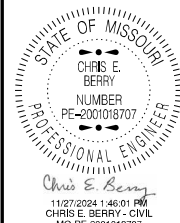


DATE PREPARED 11/25/2024	
ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY LACLEDE / WRIGHT	
JOB NO. J9P3697	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
11/27/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 2

COUNTY
LACLEDE / WRIGHT

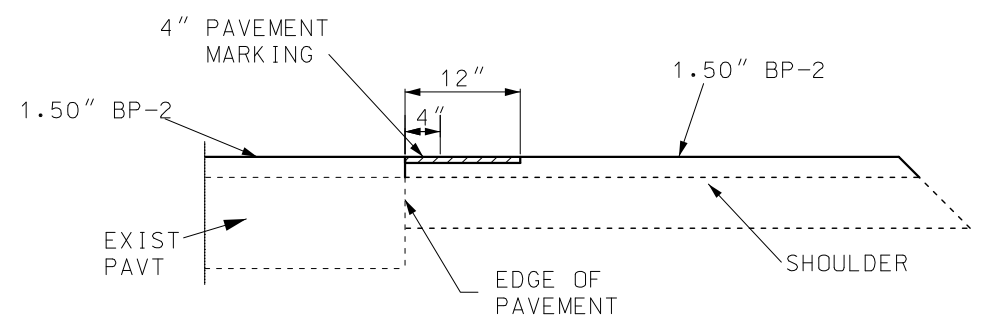
JOB NO.
J9P3697

CONTRACT ID.

PROJECT NO.

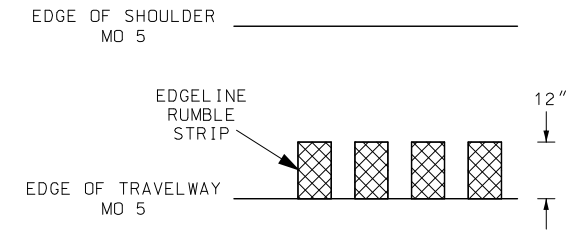
BRIDGE NO.

SHOULDER RUMBLE STRIP LOCATION



TYPICAL SECTION
MO 5

EDGE LINE RUMBLE STRIP LOCATION



TYPICAL SECTION
MO 5

EDGE LINE RUMBLE STRIP LOCATION
(TOP ELEVATION)

TYPICAL SECTION
MO 5

- LOG MILE 272.501 TO LOG MILE 285.783 - 10.5' LANES
- LOG MILE 286.857 TO LOG MILE 290.387 - 11' LANES
- LOG MILE 290.449 TO LOG MILE 296.612 - 11' LANES
- LOG MILE 296.627 TO LOG MILE 297.016 - 11' LANES

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

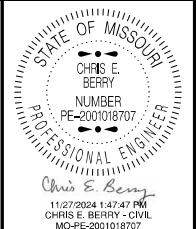
LOG MILE LOCATIONS APPROXIMATE. ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

REMOVAL OF IMPROVEMENTS			
LOG MILE	LOG MILE	LOCATION	REMARKS
286.879	286.898	LT	GUARDRAIL AT SE CORNER OF BRIDGE J0754
286.879	286.898	RT	GUARDRAIL AT SW CORNER OF BRIDGE J0754
290.367	290.387	LT	GUARDRAIL AT NE CORNER OF BRIDGE J0755
290.367	290.387	RT	GUARDRAIL AT NW CORNER OF BRIDGE J0755
290.449	290.467	LT	GUARDRAIL AT SE CORNER OF BRIDGE J0755
290.449	290.467	RT	GUARDRAIL AT SW CORNER OF BRIDGE J0755
259.097	296.612	LT	GUARDRAIL AT NE CORNER OF BRIDGE J0756
259.098	296.612	RT	GUARDRAIL AT NW CORNER OF BRIDGE J0756
296.627	296.644	LT	GUARDRAIL AT SE CORNER OF BRIDGE J0756
296.627	296.644	RT	GUARDRAIL AT SW CORNER OF BRIDGE J0756
288.469	-	RT	EXISTING ADOPT-A-HIGHWAY SIGN
55.599	85.135	RTE 5_N	169 SF SHEETING (SEE D30 SHEETS)
267.822	297.095	RTE 5_S	189 SF SHEETING (SEE D30 SHEETS)
1 LUMP SUM			
USE IN PLACE BRIDGE RAIL			

PAVEMENT MARKING						REMARKS
LOG MILE	LOG MILE	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" SOLID WHITE (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" WHITE TYPE P BEADS (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" SOLID YELLOW TYPE P BEADS (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" INT. YELLOW TYPE P BEADS (L.F.)	
266.147	297.016	-	317360.0	259634.0	14760.0	
286.414	-	12.0	-	-	-	MO 5 N - INTERSECTION OF MO 5 AND MO 38
286.417	-	12.0	-	180.0	-	MO 38 E - INTERSECTION OF MO 5 AND MO 39
286.424	-	12.0	-	220.0	-	MO 38 W - INTERSECTION OF MO 5 AND MO 40
286.428	-	12.0	-	-	-	MO 5 S - INTERSECTION OF MO 5 AND MO 38
TOTAL		48.0	317360.0	260034.0	14760.0	
USE		48	317360	274794		

LOG MILES ARE APPROXIMATE.
SEE PAVEMENT MARKING LOG JSP.



DATE PREPARED
11/25/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 3

COUNTY
LACLEDE / WRIGHT

JOB NO.
J9P3697

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)

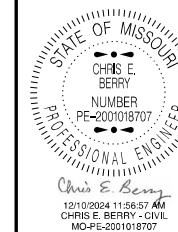
GRAVEL A OR CRUSHED STONE B / AGGREGATE EDGE TREATMENT						
LOG MILE	LOG MILE	LOC	LENGTH (MI)	GRAVEL A OR CRUSHED STONE B (TONS)	PERM AGG EDGE TREATMENT (TONS)	REMARKS
266.147	297.016	RT	30.87	-	2778.3	AGGREGATE EDGE TREATMENT - ROUTE 5 TRAVELWAY [90 TONS/MI]
266.147	297.016	LT	30.87	-	2778.3	AGGREGATE EDGE TREATMENT - ROUTE 5 TRAVELWAY [90 TONS/MI]
VARIOUS	-	RT/LT	-	188	-	AT 363 AGGREGATE ENTRANCES INCLUDING MAILBOX (40'X2') (1.5" DEPTH)
VARIOUS	-	RT/LT	-	36	-	38 AGG COUNTY ROADS/CITY STREETS WITH LIP (37'X2') (3.0" DEPTH)
TOTAL				224	5556.6	

LOG MILES ARE APPROXIMATE.

COLDMILLING							
LOCATION	LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	THICK (IN)	COLDMILLING 3" OR LESS (SY)	MODIFIED COLDMILLING DEPTH TRANSITIONS (SY)
MAINLINE	266.147	266.161	75.0	21.0	1.5	-	175
RTE AA	271.988	-	25.0	20.0	1.5	-	56
RTE H	272.486	-	25.0	20.0	1.5	-	56
RTE M	272.486	-	25.0	20.0	1.5	-	56
RTE TT	279.728	-	25.0	20.0	1.5	-	56
RTE F	279.728	-	25.0	20.0	1.5	-	56
RTE Z	285.760	-	25.0	20.0	1.5	-	56
MAINLINE - HARTVILLE	286.353	286.400	248.2	21.0	1.5	579	-
MAINLINE - HARTVILLE	286.441	286.810	1948.3	21.0	1.5	4546	-
BRIDGE J0754	286.810	286.879	363.0	22.0	1.5	887	358
RTE V	289.446	-	25.0	20.0	1.5	-	56
BRIDGE J0755	290.387	290.449	328.0	24.3	1.5	886	367
RTE AB	293.399	-	25.0	20.0	1.5	-	56
BRIDGE J0756	296.612	296.627	79.0	22.0	1.5	193	367
MAINLINE	297.002	297.016	75.0	26.0	1.5	-	217
38 AGG COUNTY ROADS/CITY STREETS WITH LIP	VARIOUS	-	VAR	VAR	1.5	-	3899
8 PAVED COUNTY ROADS/CITY STREETS	VARIOUS	-	10.0	56.0	1.5	-	498
39 PAVED PRIVATE AND COMMERCIAL ENTRANCES	VARIOUS	-	2.0	56.0	1.5	-	485
TOTAL:						7091	6814

GUARDRAIL								
LOG MILE	LOG MILE	LOCATION	MGS GUARDRAIL 8 FT POSTS 6 FT 3 IN SPACING (FT)	MGS BRIDGE APPROACH TRANSITION SECTION (EA)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MODIFIED SHAPING SLOPES CLASS III (LF)	3" MINUS AGGREGATE (TONS)	REMARKS
286.879	286.912	LT	87.5	1	1	80	115	SE CORNER OF BRIDGE J0754
286.879	286.900	RT	25.0	1	1	80	115	SW CORNER OF BRIDGE J0754
290.366	290.387	LT	25.0	1	1	80	115	NE CORNER OF BRIDGE J0755
290.354	290.387	RT	87.5	1	1	80	115	NW CORNER OF BRIDGE J0755
290.449	290.482	LT	87.5	1	1	80	115	SE CORNER OF BRIDGE J0755
290.449	290.470	RT	25.0	1	1	80	115	SW CORNER OF BRIDGE J0755
234.103	296.612	LT	25.0	1	1	80	115	NE CORNER OF BRIDGE J0756
159.103	296.612	RT	100.0	1	1	80	115	NW CORNER OF BRIDGE J0756
296.627	296.663	LT	100.0	1	1	80	115	SE CORNER OF BRIDGE J0756
296.627	296.648	RT	25.0	1	1	80	115	SW CORNER OF BRIDGE J0756
TOTAL			587.5	10	10	800	1150	
USE			588	10	10	800	FOR INFORMATION ONLY	

SEE STANDARD PLANS 606.50 AND 606.81 FOR DETAILS



DATE PREPARED
12/10/2024

ROUTE 5 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY
LACLEDE / WRIGHT

JOB NO.
J9P3697

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

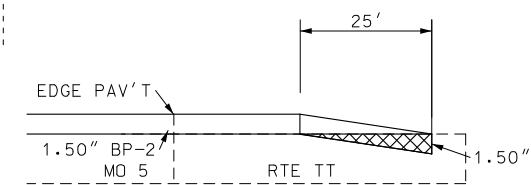
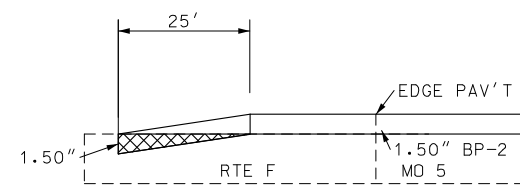
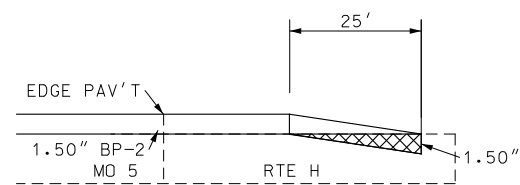
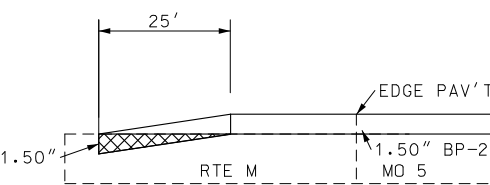
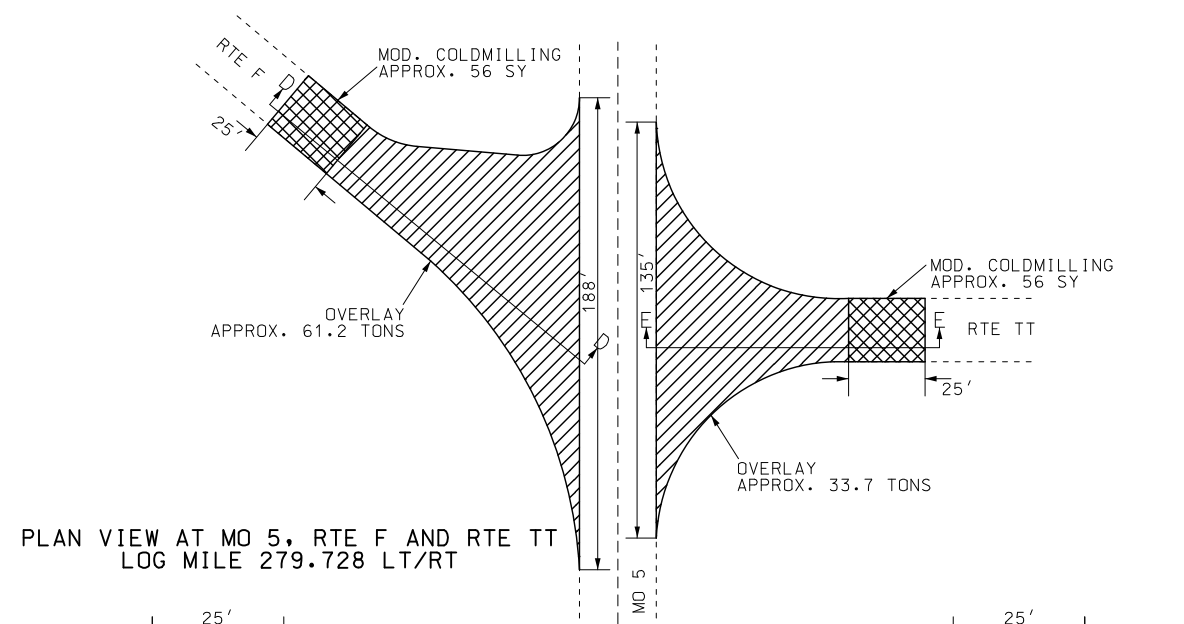
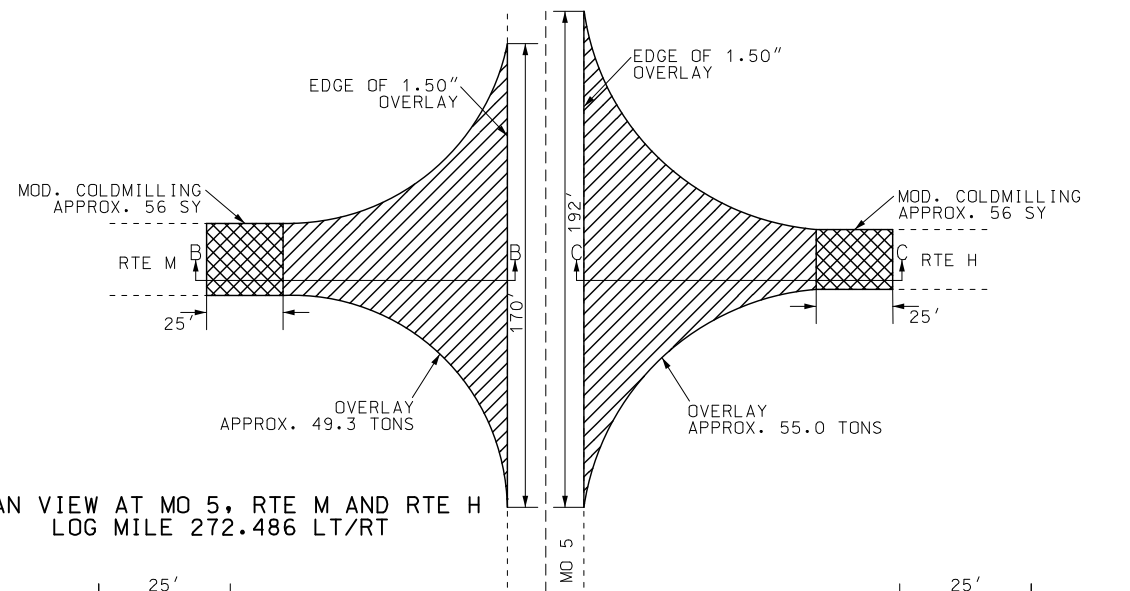
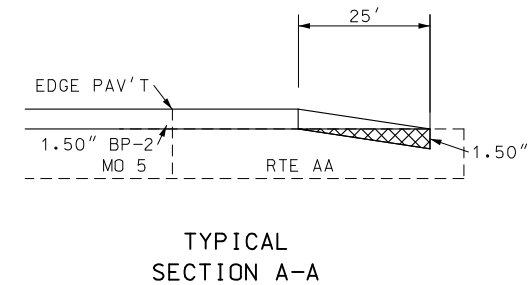
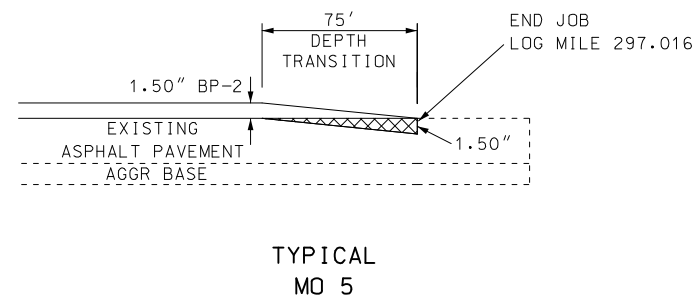
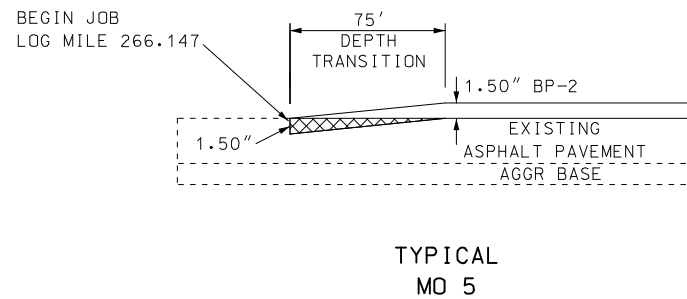
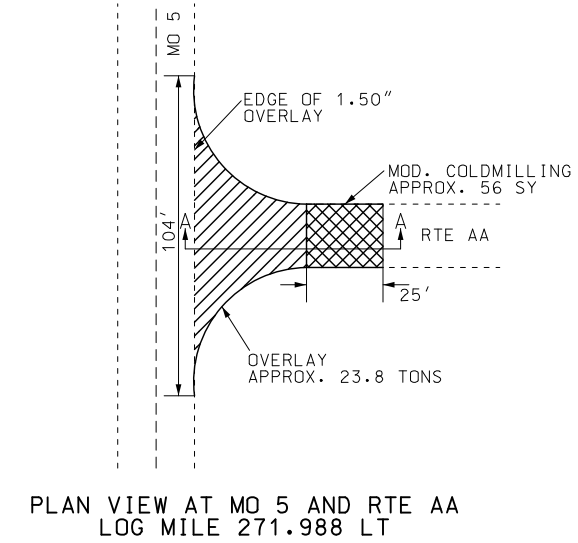
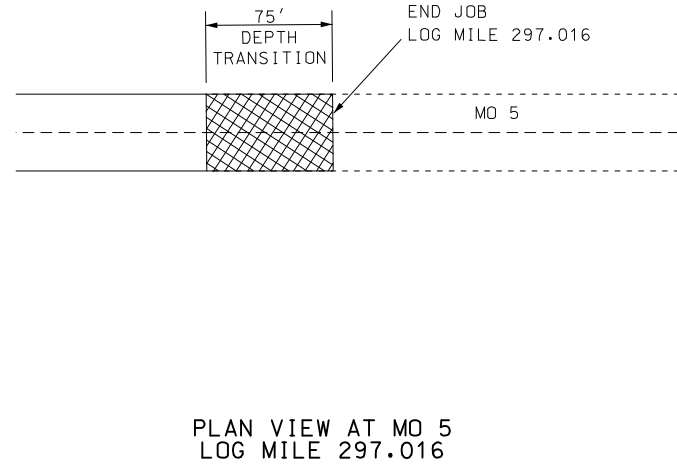
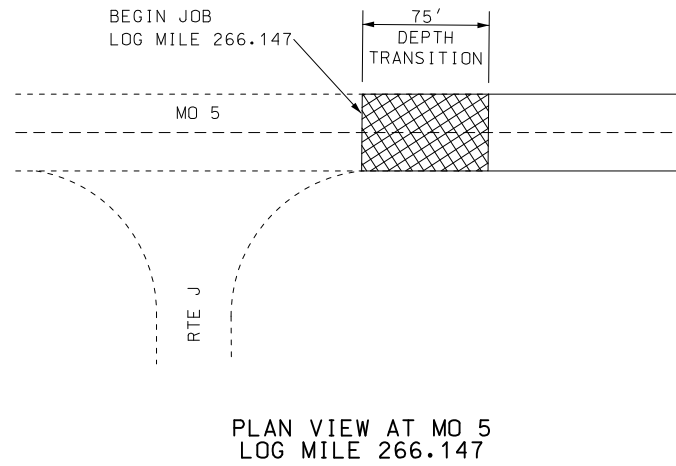
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



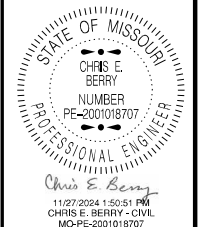
BEGIN PROJECT

END PROJECT



OVERLAY
 MODIFIED COLDMILLING
 LOG MILE LOCATIONS APPROXIMATE
 ADJUST AS DIRECTED BY ENGINEER
 TO FIT FIELD CONDITIONS.

SPECIAL SHEET
 SHEET 1 OF 4
 DRAWING NOT TO SCALE



DATE PREPARED
11/25/2024

ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 4

COUNTY
LACLEDE / WRIGHT

JOB NO.
J9P3697

CONTRACT ID.

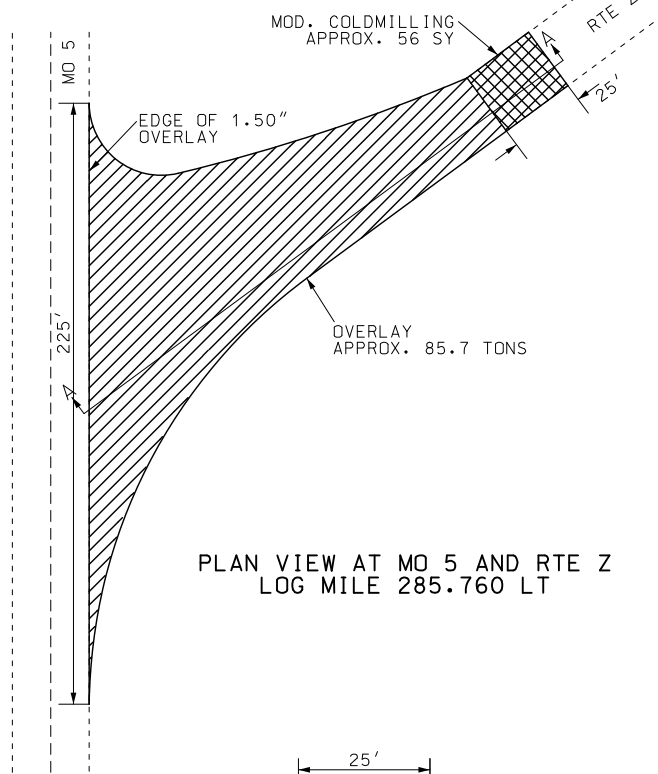
PROJECT NO.

BRIDGE NO.

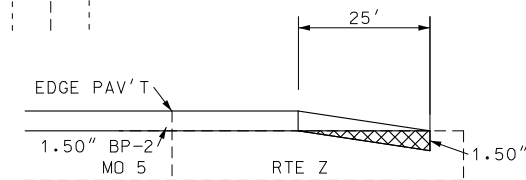
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

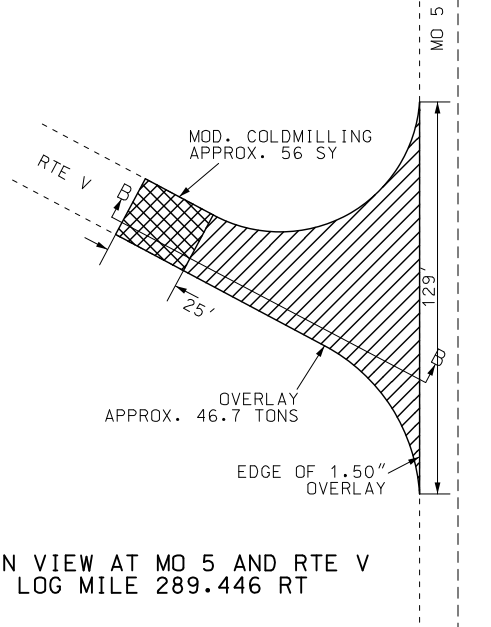
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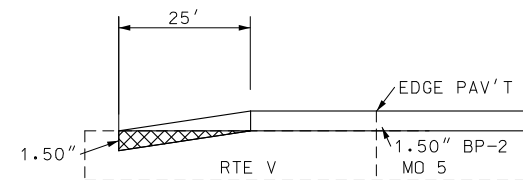
PLAN VIEW AT MO 5 AND RTE Z
LOG MILE 285.760 LT



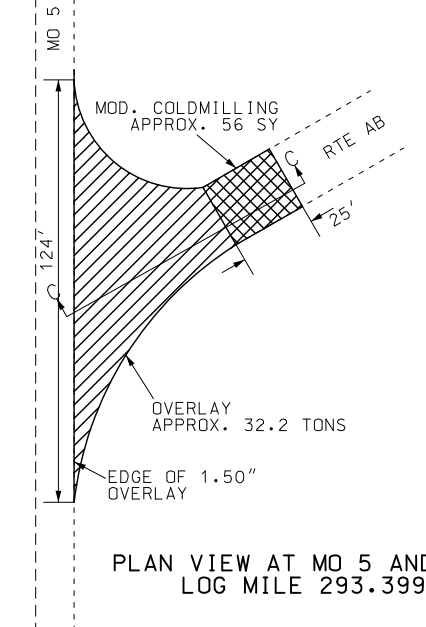
TYPICAL SECTION A-A



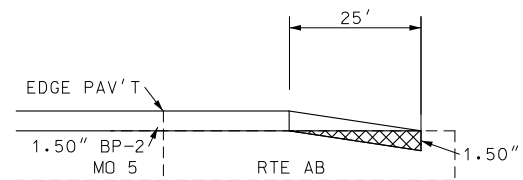
PLAN VIEW AT MO 5 AND RTE V
LOG MILE 289.446 RT



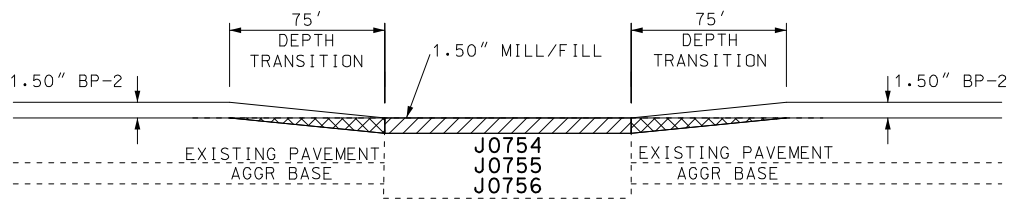
TYPICAL SECTION B-B



PLAN VIEW AT MO 5 AND RTE AB
LOG MILE 293.399 LT



TYPICAL SECTION C-C



TYPICAL AT BRIDGE J0754 LOG MILE 286.810 (BEGIN BRIDGE)
LOG MILE 286.879 (END BRIDGE)

TYPICAL AT BRIDGE J0755 LOG MILE 290.387 (BEGIN BRIDGE)
LOG MILE 290.449 (END BRIDGE)

TYPICAL AT BRIDGE J0756 LOG MILE 296.612 (BEGIN BRIDGE)
LOG MILE 296.627 (END BRIDGE)

- OVERLAY
- MODIFIED COLDMILLING

LOG MILE LOCATIONS APPROXIMATE
ADJUST AS DIRECTED BY ENGINEER
TO FIT FIELD CONDITIONS.

SPECIAL SHEET
SHEET 2 OF 4
DRAWING NOT TO SCALE

STATE OF MISSOURI
CHRIS E. BERRY
PROFESSIONAL ENGINEER
NUMBER PE-2001018707
11/27/2024 1:51:39 PM
CHRIS E. BERRY - CIVIL
MO-PE-2001018707

DATE PREPARED
11/26/2024

ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 5

COUNTY
LACLEDE / WRIGHT

JOB NO.
J9P3697

CONTRACT ID.

PROJECT NO.

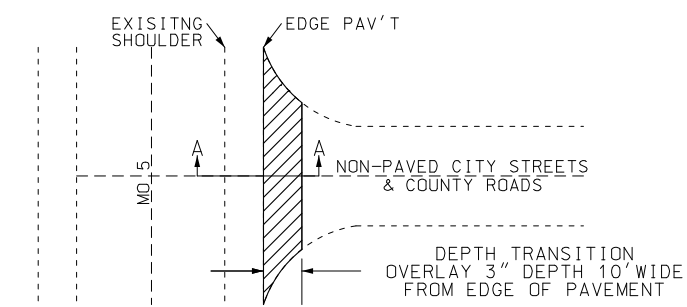
BRIDGE NO.

DATE	DESCRIPTION

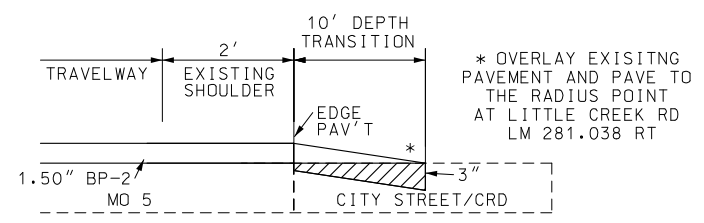
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

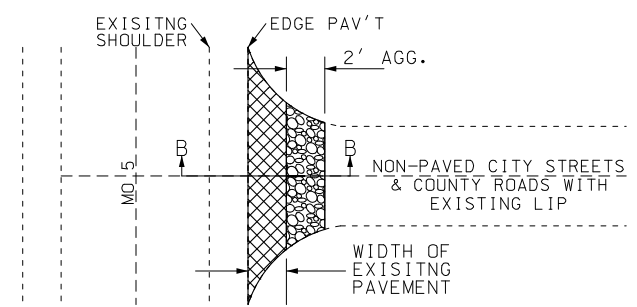
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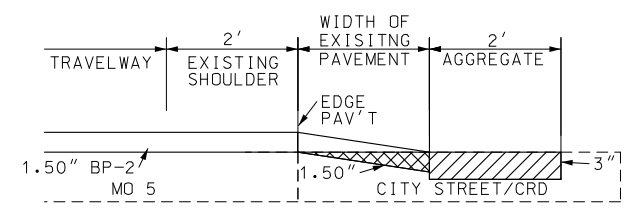
PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS
7 LOCATIONS - VARIOUS



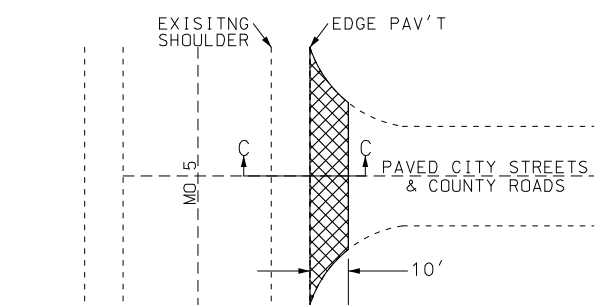
TYPICAL SECTION A-A



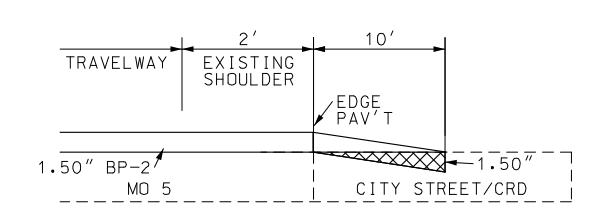
PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS WITH LIP
38 LOCATIONS - VARIOUS



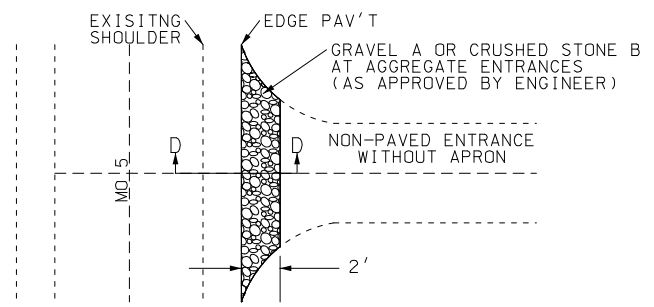
TYPICAL SECTION B-B



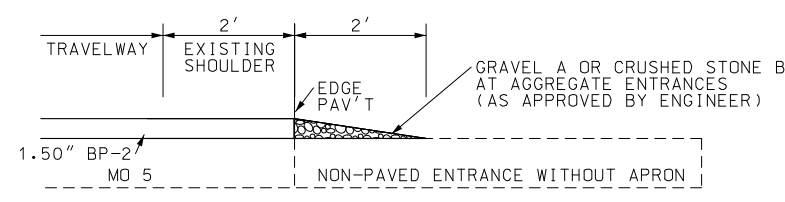
PLAN VIEW FOR PAVED CITY STREETS AND COUNTY ROADS
8 LOCATIONS - VARIOUS



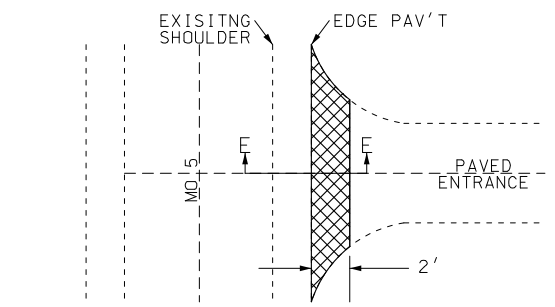
TYPICAL SECTION C-C



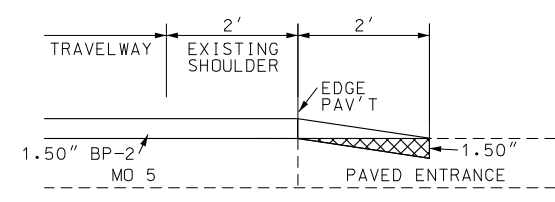
PLAN VIEW FOR NON-PAVED PRIVATE AND COMMERCIAL ENTRANCES INCLUDING MAILBOXES
363 LOCATIONS - VARIOUS



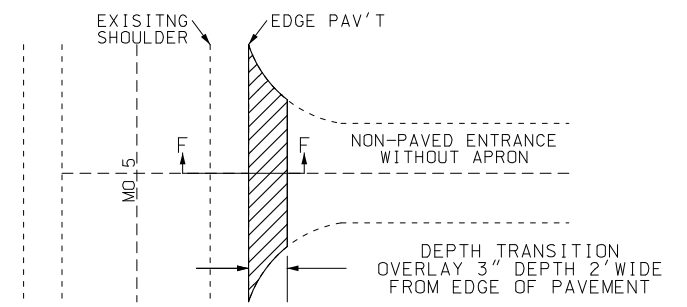
TYPICAL SECTION D-D



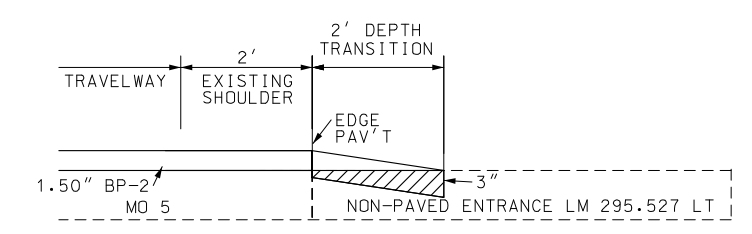
PLAN VIEW FOR PAVED PRIVATE AND COMMERCIAL ENTRANCES
39 LOCATIONS - VARIOUS



TYPICAL SECTION E-E

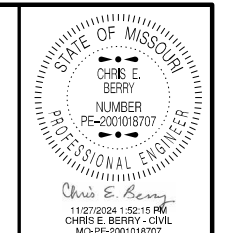


PLAN VIEW FOR NON-PAVED PRIVATE ENTRANCE LM 295.527 LT



TYPICAL SECTION F-F

- MODIFIED COLDMILLING (DEPTH TRANSITIONS)
 - GRADING
 - GRAVEL A OR CRUSHED STONE B
- ALL GRADING NECESSARY FOR THE PROPER CONSTRUCTION OF HOT MIX AND AGGREGATE APRONS SHALL BE CONSIDERED INCIDENTAL WORK AND AT NO DIRECT PAY.
- THE WIDTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.



DATE PREPARED
11/25/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 6

COUNTY LACLEDE/WRIGHT

JOB NO. J9P3697

CONTRACT ID.

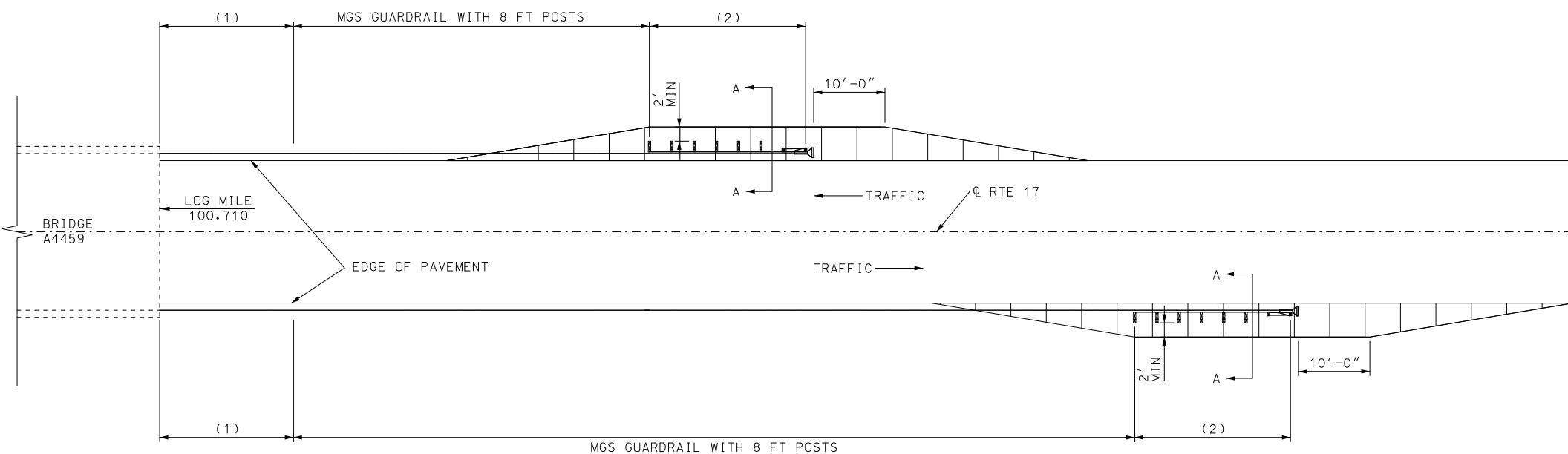
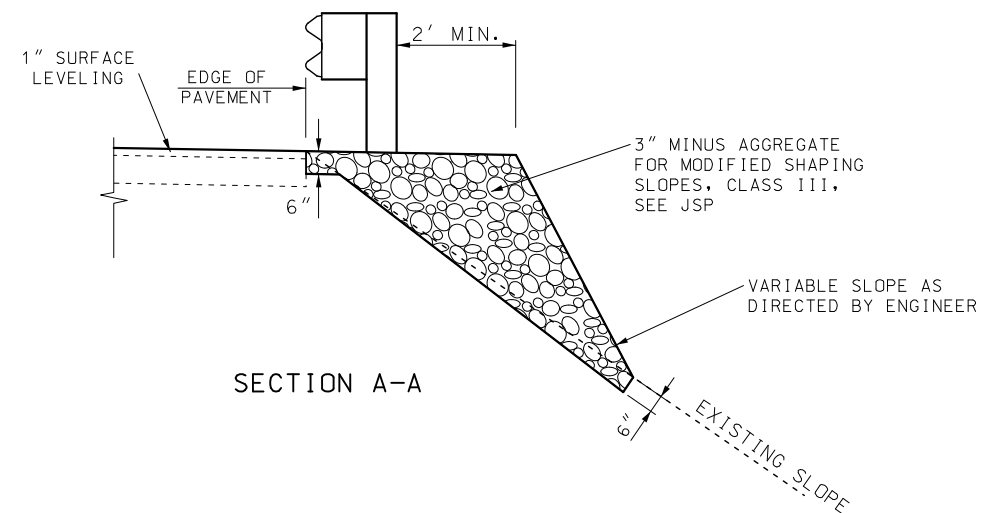
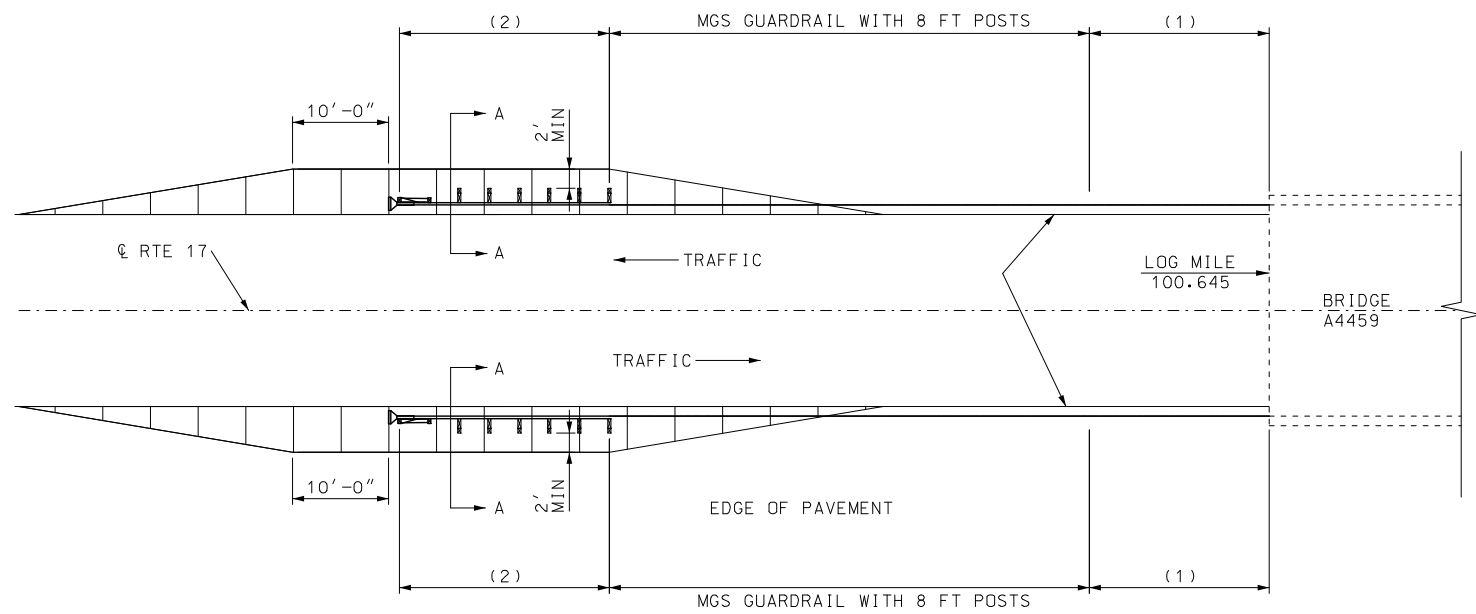
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



TYPICAL GUARDRAIL AND GRADING LIMITS AT BRIDGES

NO. J0754
LOG MILE 286.810 TO LOG MILE 286.879

NO. J0755
LOG MILE 290.387 TO LOG MILE 290.449

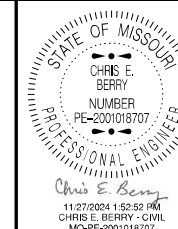
NO. J0756
LOG MILE 296.612 TO LOG MILE 296.627

NOTES:

SEE STD 606.81 FOR GRADING LIMITS OF MODIFIED SHAPING SLOPES CLASS III.

- (1) MGS BRIDGE APPROACH TRANSITION
- (2) TYPE A CRASHWORTHY END TERMINAL (MASH)

LOG MILE LOCATIONS APPROXIMATE. ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS



DATE PREPARED
11/26/2024

ROUTE 5 STATE MO
DISTRICT SE SHEET NO. 7

COUNTY
LACLEDE / WRIGHT

JOB NO.
J9P3697
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

BRIDGE NO.

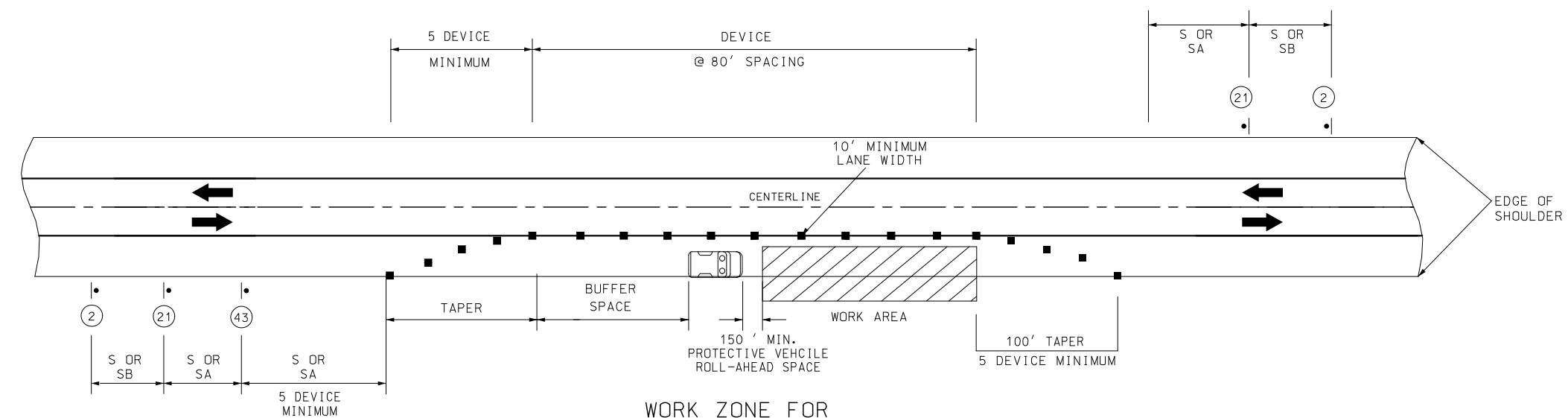
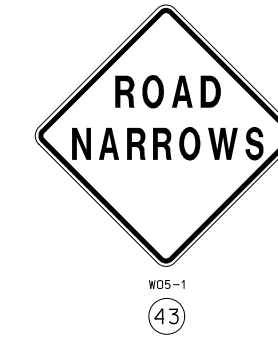
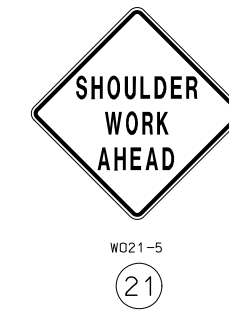
DATE	DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPEED	SIGN SPACING		TAPER LENGTH		OPTIONAL	CHANNELIZER SPACING	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	SHOULDER (2) (T2)	BUFFER LENGTH (B)	TAPER	BUFFER/WORK AREA
0 - 35	200'	200'	70'	245'	280'	35'	40'
40 - 45	350'	500'	150'	540'	400'	40'	80'
50 - 55	500'	500'	185'	660'	560'	50'	80'
60 - 70	1000'	SA-1000' SB-1500' SC-2640'	235'	840'	840'	60'	120'



WORK ZONE FOR
SHOULDER WORK WITH MINOR
ENCROACHMENT ON DIVIDED
AND UNDIVIDED HIGHWAYS

- NOTES:
- REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.
 - SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
 - NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.
 - THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
 - VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES.
 - SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
 - VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

(1) SHOULDER TAPER LENGTH BASED ON 10' (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12' (STANDARD LANE WIDTH) OFFSET.

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- SIGN

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TRAFFIC CONTROL
SHEET 1 OF 1
DRAWING NOT TO SCALE

STATE OF MISSOURI
CHRIS E. BERRY
NUMBER PE-2001018707
PROFESSIONAL ENGINEER

DATE PREPARED: 11/25/2024

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 8

COUNTY LACLEDE / WRIGHT

JOB NO. J9P3697

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)

STANDARD SIGN ASSEMBLIES																			
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																
			SH M1-5 24X24	SH M3-1 24X12	SH R2-1 36X48	SHF OMB-R 12X36	SHF W13-1P 24X24	SHF W1-2L 36X36	SH M1-5a 24X24	SH M2-1 21X15	SHF W13-1P 24X24	SHF W1-2R 36X36	SH R2-5d 30X42	SH R1-1 36X36	SH R2-1 36X48	SH M1-5a 24X24	SH M1-5a 30X24	SH M1-5a 24X24	
1	55.599	MO 5 N	1	1															
2	55.680	MO 5 N			1														
3	59.367	MO 5 N	1	1															
4	59.648	MO 5 N				1													
5	62.89	MO 5 N					1	1											
6	63.131	MO 5 N							1	1									
7	63.254	MO 5 N									1	1							
8	63.316	MO 5 N	1	1															
9	65.937	MO 5 N									1								
10	66.419	MO 5 N										1							
11	66.499	MO 5 N											1						
12	66.822	MO 5 N							1					1					
13	67.003	MO 5 N	1	1															
14	67.040	MO 5 N				1	1												
15	67.825	MO 5 N									1								
16	72.845	MO 5 N							1						1	1			
17	73.041	MO 5 N	1	1															
18	76.376	MO 5 N	1	1															
SUBTOTAL			1	6	6	1	1	2	2	1	3	1	1	1	1	1	1		

SIGN SUMMARY								EFFECTIVE: 10-01-2016			
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET							
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A				
M1-5		6	24X24	24.00							
M3-1		6	24X12	12.00							
R2-1		1	36X48	12.00							
OMB-R		1	12X36		3.00						
W13-1P		2	24X24		8.00						
W1-2L		2	36x36		18.00						
M1-5a		1	24X24	4.00							
M2-1		3	21X15	6.57							
W13-1P		1	24X24		4.00						
W1-2R		1	36X36		9.00						
R2-5d		1	30X42	8.75							
R1-1		2	36X36	18.00							
R2-1		1	36X48	12.00							
M1-5a		1	24X24	4.00							
M1-5a		1	30X24	5.00							
M1-5a		1	24X24	4.00							
SUBTOTAL				111	42						

*ORANGE, YELLOW AND YELLOW-GREEN

DATE PREPARED
11/26/2024

ROUTE **5** STATE **MO**

DISTRICT **SE** SHEET NO. **9**

COUNTY
LACLEDE/WRIGHT

JOB NO.
J9P3697

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)


STANDARD SIGN ASSEMBLIES																							
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																				
			SH M2-1 21X15	SH M1-5a 30X24	SH M1-5 24X24	SH M3-1 34X12	SHF W13-1P 24X24	SHF W2-2 36X36	SHF W1-2L 36X36	SHF W13-1P 24X24	SHF W3-5 36X36	SHF W1-4R 36X36	SHF W13-1P 24X24	SHF W1-8D 18X24	SH M6-3 21X15	SH M6-1 21X15	SH M1-5a 24X24	SHF W1-4L 36X36	SHF OM3-R 12X36	SHF W13-1P 24X24	SH R1-1 36X36		
			19	80.627	MO 5 N	1	1																
20	85.135	MO 5 N																					
21	267.822	MO 5 S			1	1																	
22	280.964	MO 5 S					1	1															
23	282.999	MO 5 S						1															
24	285.873	MO 5 S									1												
25	288.265	MO 5 S																					
26	288.476	MO 5 S											1										
27	288.488	MO 5 S											1										
28	288.506	MO 5 S											1										
29	288.520	MO 5 S											1										
30	288.534	MO 5 S											1										
31	288.541	MO 5 S											1										
32	288.557	MO 5 S											1										
33	288.571	MO 5 S											1										
34	289.308	MO 5 S											1										
35	289.421	MO 5 S			1									1	1	1							
36	292.149	MO 5 S						1															
37	292.784	MO 5 S																					
38	294.606	MO 5 S							1									1					
39	295.850	MO 5 S																			1		
40	296.234	MO 5 S																			1		
SUBTOTAL 2			1	1	2	1	2	3	1	1	1	1	9	1	1	1	1	1	1	1	2		

SIGN SUMMARY					EFFECTIVE: 10-01-2016			
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET				
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A	
M2-1		1	21X15	2.19				
M1-5a		1	30X24	5.00				
M1-5		2	24X24	8.00				
M3-1		1	34X12	2.83				
W13-1P		2	24X24		8.00			
W2-2		3	36X36		27.00			
W1-2L		1	36X36		9.00			
W13-1P		1	24X24		4.00			
W3-5		1	36X36		9.00			
W1-4R		1	36X36		9.00			
W13-1P		1	24X24		4.00			
W1-8D		9	18X24		27.00			
M6-3		1	21X15	2.19				
M6-1		1	21X15	2.19				
M1-5a		1	24X24	4.00				
W1-4L		1	36X36		9.00			
OM3-R		1	12X36		3.00			
W13-1P		1	24X24		4.00			
R1-1		2	36X36	18.00				
SUBTOTAL 2				45	113			

*ORANGE, YELLOW AND YELLOW-GREEN

SIGNING SHEET SHEET 2 OF 3

D-30



Chris E. Berry
11/27/2004 1:54:13 PM
CHRIS E. BERRY - CIVIL
MO-PE-2001018707
PROFESSIONAL ENGINEER

DATE PREPARED
11/26/2024

ROUTE **5** STATE **MO**

DISTRICT **SE** SHEET NO. **10**

COUNTY
LACLEDE / WRIGHT

JOB NO.
J9P3697

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)

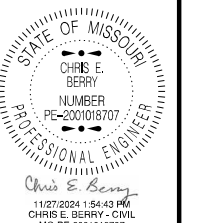
STANDARD SIGN ASSEMBLIES																									
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																						
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			SH M2-1 21X15	SH M1-4 24X24	SH M4-3 24X12	SH M6-3 21X15	SH M5-1R 21X15	SH M1-5 24X24	SH M3-2 24X12	SH M3-3 24X12	SH M3-4 24X12														
41	297.058	MO 5 S	1	2	1																				
42	297.095	MO 5 S		1	1	1																			
43	297.095	MO 5 S		1			1						1												
44	297.095	MO 5 S		1			1			1															
45	297.095	MO 5 S						1	1		1														
SUBTOTAL 3			1	5	2	2	2	1	1	1	1														

SIGN SUMMARY							EFFECTIVE: 10-01-2016			
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET						
				FLAT SHEET SH ITEM NO. 9035004A	FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A			
M2-1		1	21X15	2.19						
M1-4		5	24X24	20.00						
M4-3		2	24X12	4.00						
M6-3		2	21X15	4.38						
M5-1R		2	21X15	4.38						
M1-5		1	24X24	4.00						
M3-2		1	24X12	2.00						
M3-3		1	24X12	2.00						
M3-4		1	24X12	2.00						
SUBTOTAL 3				45						
TOTALS				201	155					

*ORANGE, YELLOW AND YELLOW-GREEN

SIGNING SHEET
SHEET 3 OF 3

D-30



Chris E. Berry
1/27/2024 1:54:43 PM
CHRIS E. BERRY - CIVIL
MO-PE-2001018707

DATE PREPARED
11/26/2024

ROUTE **5** STATE **MO**

DISTRICT **SE** SHEET NO. **11**

COUNTY
LACLEDE / WRIGT

JOB NO.
J9P3697

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)

DESIGN DESIGNATION

AADT - 2024 = 336
 AADT - 2044 = 386
 DHV = 10.29%
 T = 8.27%
 V = 55/60 MPH

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

NO NEW R/W REQUIRED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY



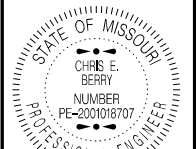
KEY MAP
 LOCATION OF WRIGHT COUNTY

PROJECT LOCATION

WRIGHT COUNTY

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (3 SHEETS)-----	3
PLAN SHEETS (PP)-----	4-7
SPECIAL SHEETS (SS)-----	8-10
TRAFFIC CONTROL SHEETS (TC)-----	11-12
SIGNING (SN)-----	13-15
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A22592-----	1-5
A22601-----	1-5
B04631-----	1-2



DATE PREPARED
11/26/2024

ROUTE F STATE MO
 DISTRICT SE SHEET NO. 1

COUNTY
WRIGHT

JOB NO.
J9S3695

CONTRACT ID.

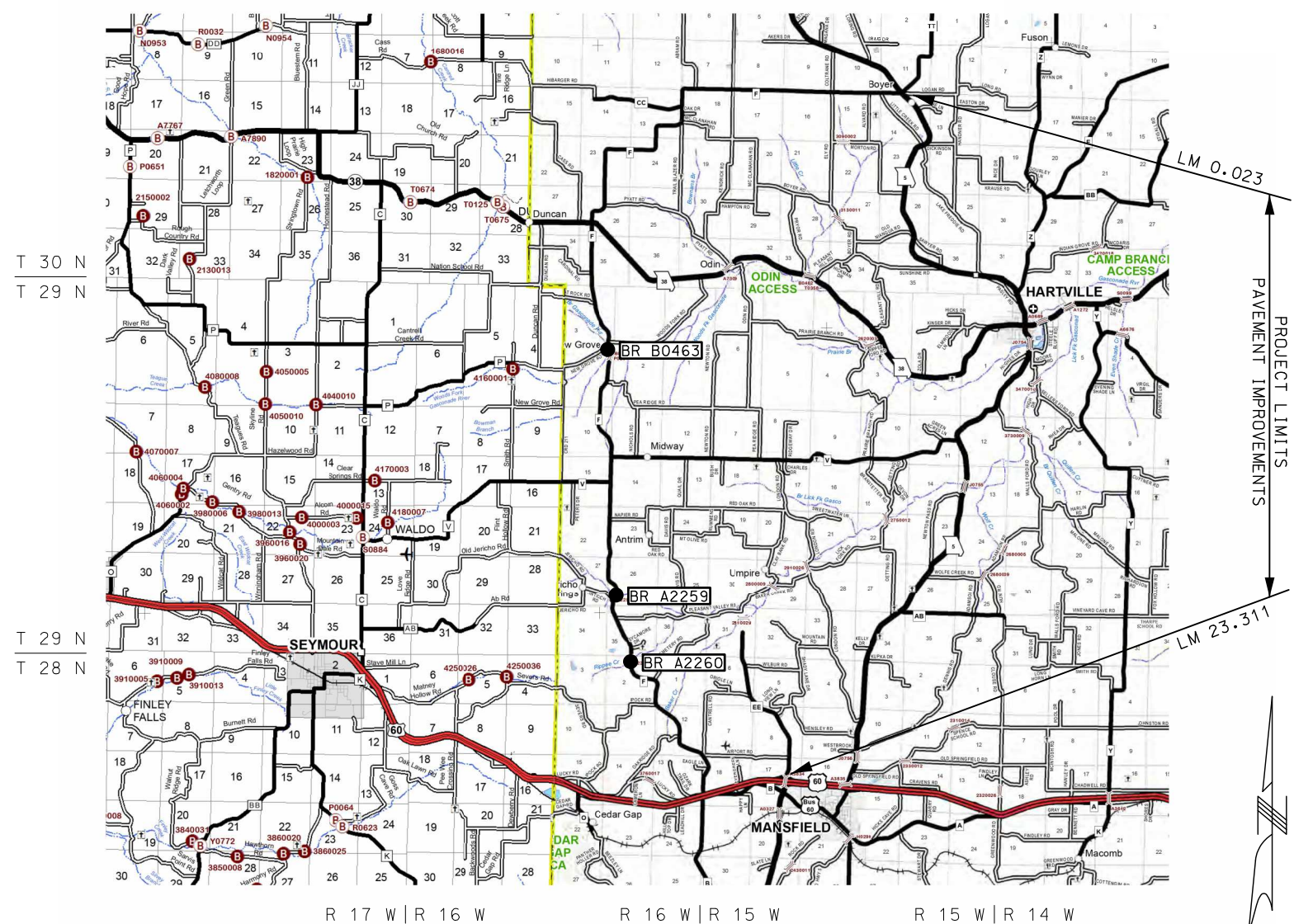
PROJECT NO.

BRIDGE NO.

**CONVENTIONAL SYMBOLS
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
GUARD CABLE	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
UTILITIES		
FIBER OPTICS	-FD-	-FD-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
WATER VALVE	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
DROP INLET	[Symbol]	[Symbol]
DITCH BLOCK	[Symbol]	[Symbol]
GROUND MOUNTED SIGN	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
H-FRAME POWER POLE	[Symbol]	[Symbol]
TELEPHONE PEDESTAL	[Symbol]	[Symbol]
FENCE		
CHAIN LINK	[Symbol]	[Symbol]
WOVEN WIRE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]
REMOVAL	[Symbol]	[Symbol]
REMOVAL BY OTHERS	[Symbol]	[Symbol]

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



LENGTH OF PROJECT

BEGINNING OF PROJECT	LM 0.023
END OF PROJECT	LM 23.311
APPARENT LENGTH	122960.64 FEET
EQUATIONS AND EXCEPTIONS:	
EXCEPTION:	
ROUTE 38 INTERSECTION	
LOG MILE 8.711 TO	142.56 FEET
LOG MILE 8.738	
TOTAL CORRECTIONS	142.56 FEET
NET LENGTH OF PROJECT	122818.08 FEET
STATE LENGTH	23.261 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0 ACRES

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

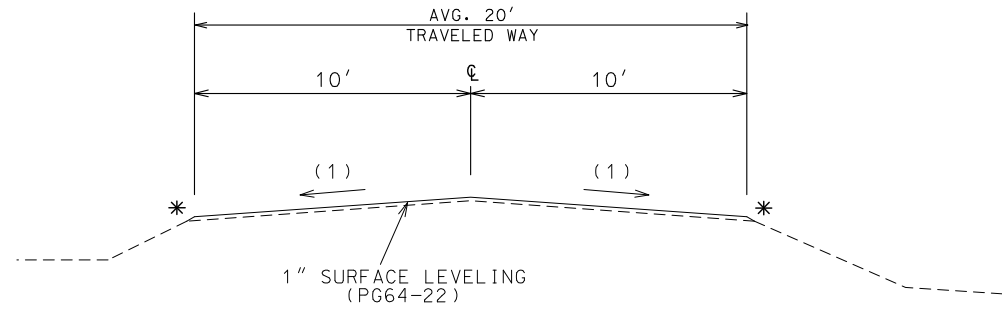
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
SURFACE LEVELING PG64-22	2.034 TONS/CY
TACK COAT	0.10 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	

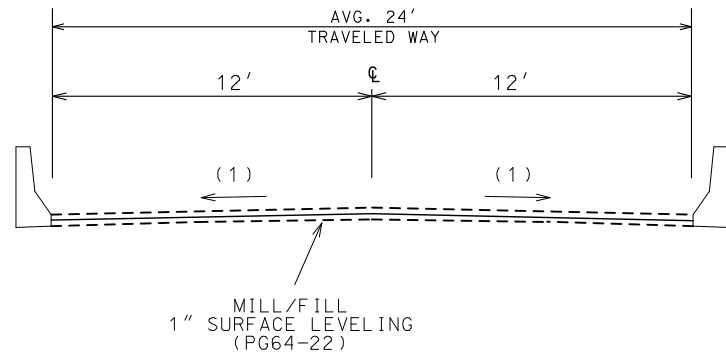
NOTE: SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

(1) MATCH EXISTING CROSS SLOPE

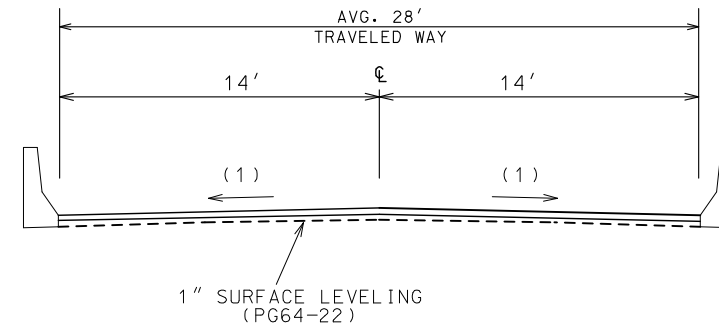
* - SAFETY EDGE - SEE STANDARD 401.00



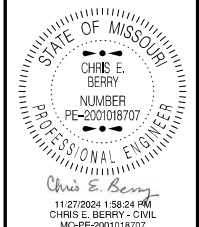
TYPICAL SECTION
ROUTE F
LOG MILE 0.023 TO LOG MILE 8.711
LOG MILE 8.738 TO LOG MILE 11.452
LOG MILE 11.474 TO LOG MILE 16.541
LOG MILE 16.563 TO LOG MILE 17.993
LOG MILE 18.019 TO LOG MILE 23.311



TYPICAL SECTION
ROUTE F
BRIDGE B0463
LOG MILE 11.452 TO LOG MILE 11.474




TYPICAL SECTION
ROUTE F
BRIDGE A2259
LOG MILE 16.541 TO LOG MILE 16.563
BRIDGE A2260
LOG MILE 17.993 TO LOG MILE 18.019



DATE PREPARED
11/25/2024
ROUTE F STATE MO
DISTRICT SE SHEET NO. 2
COUNTY WRIGHT
JOB NO. J9S3695
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)

MOBILIZATION
1 LUMP SUM

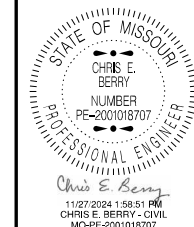
SURFACE LEVELING OVERLAY AND TACK

LOCATION	LOG MILE	LOG MILE	TRAVELWAY LENGTH (FT)	TRAVELWAY WIDTH (FT) OR AREA (SF) (FT) / (SF)	OVERLAY DEPTH (IN)	OVERLAY AREA (SY)	BITUMINOUS PAVEMENT 1" SURFACE LEVELING PG 64-22 2.034 TONS/CY (TONS)	TACK COAT 0.10 GAL/SY (GAL)	REMARKS
ROUTE F - BEGIN PROJECT	0.023	8.711	45872.6	20		101939.20	5759.6	10194	
ROUTE F AT ROUTE 38 INTERSECTION	8.711	8.738	142.6	-	-	0.00	0.0	0	UIP
ROUTE F	8.738	11.452	14329.9	20	1.0	31844.27	1799.2	3184	
ROUTE F AT BRIDGE B0463	11.452	11.474	116.2	24	1.0	309.76	17.5	31	MILL/FILL
ROUTE F	11.474	16.541	26753.8	20	1.0	59452.80	3359.1	5945	
ROUTE F AT BRIDGE A2259	16.541	16.563	116.2	28	1.0	361.39	20.4	36	OVERLAY
ROUTE F	16.563	17.993	7550.4	20	1.0	16778.67	948.0	1678	
ROUTE F AT BRIDGE A2260	17.993	18.019	137.3	28	1.0	427.09	24.1	43	OVERLAY
ROUTE F	18.019	21.598	18897.1	20	1.0	41993.60	2372.6	4199	
ROUTE F AT LUCK ROAD/OUTER 60 INTERSECTION	21.598	21.614	-	6064.41	1.0	673.82	38.1	67	
ROUTE F	21.614	23.304	8923.2	22	1.0	21812.27	1232.4	2181	
ROUTE F AT ROUTE EE - END PROJECT	23.304	23.311	-	1327.98	1.0	147.55	8.3	15	
ROUTE F AT ROUTE CC	4.778	-	-	3541.1	1.0	393.46	22.2	39	
ROUTE F AT ROUTE V EAST	13.679	-	-	4030.16	1.0	447.80	25.3	45	
ROUTE F AT ROUTE V WEST	14.182	-	-	3871.64	1.0	430.18	24.3	43	
COLTRANE RD	1.405	-	-	680	1.0	75.56	4.3	8	EXISTING PAVED CR / 68' X 10'
ABRAM RD	4.174	-	-	1080	3.0	120.00	20.3	12	EXISTING AGG CR / PAVE TO RADIUS POINT
PYATT RD	8.190	-	-	493	3.0	54.78	9.3	5	EXISTING AGG CR / PAVE TO RADIUS POINT
FLAT ROCK RD	10.340	-	-	439	3.0	48.78	8.3	5	EXISTING AGG CR / PAVE TO RADIUS POINT
ANTIOCH RD	16.702	-	-	1664	1.0	184.89	10.4	18	EXISTING PAVED CR/ PAVE TO RADIUS POINT
IPOCK RD	19.245	-	-	1547	3.0	171.89	29.1	17	EXISTING AGG CR / PAVE TO RADIUS POINT
EVERGREEN LN	22.396	-	-	995	3.0	110.56	18.7	11	EXISTING AGG CR / PAVE TO RADIUS POINT
19 AGGREGATE COUNTY ROADS/CITY STREETS	VARIOUS	-	-	10450	3.0	1161.11	196.8	116	55' X 10' EACH
12 PAVED PRIVATE ENTRANCES	VARIOUS	-	-	1032	1.0	114.67	6.5	11	43' X 2' EACH
150TONS PER MILE FOR IRREGULARITIES							3489.2		
2% SAFETY EDGE							388.9		
TOTAL :							19832.9	27903	

MODIFIED COLD MILLING (DEPTH TRANSITIONS)				
LOCATION	LOG MILE	LOG MILE	AREA (SY)	REMARKS
BEGIN PROJECT AT ROUTE 5	0.023	0.033	111	50' X 20'
ROUTE CC	4.778	-	56	25' X 20'
ROUTE F AT ROUTE 38	8.706	8.711	56	25' X 20'
ROUTE F AT ROUTE 38	8.738	8.743	56	25' X 20'
BRIDGE B0463 - NORTH APPROACH	11.442	11.452	111	50' X 20'
BRIDGE B0463 - SOUTH APPROACH	11.474	11.484	111	50' X 20'
ROUTE V EAST	13.679	-	56	25' X 20'
ROUTE V WEST	14.182	-	56	25' X 20'
OUTER 60 / LUCKY ROAD	21.605	-	111	50' X 20'
END PROJECT AT ROUTE EE	23.294	23.304	122	50' X 22'
COLTRANE RD	1.405	-	76	68' X 10'
ANTIOCH RD	16.702	-	39	35' X 10' TO RADIUS
12 PAVED PRIVATE AND COMMERCIAL ENTRANCES	VARIOUS	-	115	43' X 2' EACH
TOTAL :			1076	

COLDMILLING BIT PAVEMENT FOR REMOVAL OF SURFACING (3 IN OR LESS)			
LOCATION	LOG MILE	LOG MILE	AREA (SY)
BRIDGE NO. B0463	11.452	11.474	310
END PROJECT ROUTE EE	23.304	23.311	148
TOTAL			458

SUMMARY OF QUANTITIES
SHEET 1 OF 3



DATE PREPARED
11/26/2024

ROUTE
F

STATE
MO

DISTRICT
SE

SHEET NO.
3

COUNTY
WRIGHT

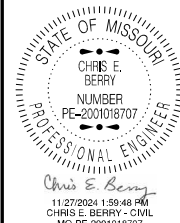
JOB NO.
19S3695

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 11/26/2024

ROUTE F STATE MO DISTRICT SE SHEET NO. 3

COUNTY WRIGHT

JOB NO. J9S3695

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

Table with columns for DATE, DESCRIPTION, and other project details.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



Table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM. Includes rows for Warning Signs (WO1-1L to WO22-1) and Regulatory Signs (R1-1 to R11-2).

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, RELOC, RELOC, SIGN NUM. Includes rows for Guide Signs (E05-1 to MO4-10R) and Regulatory Signs (R1-1 to R11-2).

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, RELOC, RELOC, SIGN NUM. Includes rows for Miscellaneous Signs (CONST-5 to CONST-8) and Construction Signs (616-10.05 to 616-10.10).

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Lists various traffic signs and their quantities.

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Lists various traffic signs and their quantities.

SUMMARY OF QUANTITIES SHEET 3 OF 3

GRAVEL A OR CRUSHED STONE B / AGGREGATE EDGE TREATMENT						
LOG MILE	LOG MILE	LOC	LENGTH (MI)	GRAVEL A OR CRUSHED STONE B (TONS)	PERM AGG EDGE TREATMENT (TONS)	REMARKS
0.023	23.311	RT	23.29	-	2096.1	AGGREGATE EDGE TREATMENT - ROUTE 5 TRAVELWAY [90 TONS/MI]
0.023	23.311	LT	23.29	-	2096.1	AGGREGATE EDGE TREATMENT - ROUTE 5 TRAVELWAY [90 TONS/MI]
VARIOUS	VARIOUS	LT/RT		66		AT 190 AGGREGATE ENTRANCES INCLUDING MAILBOX (40'X2') (1" DEPTH)
21.540	21.597	LT/RT	0.057			EXISTING AGGREGATE SHOULDERS - 10' WIDE LT/RT (300'x10') (2" DEPTH)
TOTAL				118	4192.2	

LOG MILES ARE APPROXIMATE.

REMOVAL OF IMPROVEMENTS			
LOG MILE	LOG MILE	LOCATION	REMARKS
11.452	11.474	LT/RT	TYPE III OBJECT MARKERS AT B0463 (11)
16.541	-	RT	GASCONADE RIVER SIGN RT - 40"X18"
16.541	16.563	LT/RT	TYPE III OBJECT MARKERS AT A2259 (4)
17.993	18.019	LT/RT	TYPE III OBJECT MARKERS AT A2260 (4)
19.245	-	RT	EXISTING PAVEMENT AT IPOCK RD
0.188	0.273	RT	OUTER ROAD 60 EAST - REMOVE EXISTING GUARDRAIL
21.604	21.625	RT	ROUTE F - REMOVE EXISTING GUARDRAIL
22.396	-	LT	EXISTING PAVEMENT AT EVERGREEN LN
23.059	23.153	LT	ROUTE F - REMOVE EXISTING GUARDRAIL
23.059	23.153	RT	ROUTE F - REMOVE EXISTING GUARDRAIL
23.244	23.311	LT	ROUTE F - REMOVE EXISTING GUARDRAIL
3.351	3.346	LT	ROUTE EE - REMOVE 25' OF EXISTING GUARDRAIL AT RADIUS POINT
3.507	23.305	RTE F_N	320 SF SHEETING (SEE D30 SHEETS)
9.612	17.602	RTE F_N	4 POSTS (SEE D29 SHEET)
0.447	23.306	RTE F_S	248 SF SHEETING (SEE D30 SHEETS)
13.514	19.569	RTE F_S	4 POSTS (SEE D29 SHEET)
1 LUMP SUM			

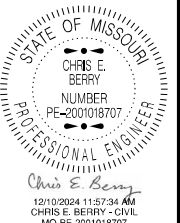
GUARDRAIL										
LOG MILE	LOG MILE	LOCATION	MGS GUARDRAIL 8 FT POSTS 6 FT 3 IN SPACING (FT)	MGS BRIDGE APPROACH TRANSITION SECTION (EA)	MGS HEIGHT AND BLOCK TRANSITION (EA)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MODIFIED SHAPING SLOPES CLASS III (LF)	3" MINUS AGGREGATE (TONS)	REMARKS	
11.424	11.452	RT	62.5	1	-	1	80	115	BRIDGE B0463 QUADRANT NW QUADRANT	
11.435	11.452	LT	-	1	-	1	80	115	BRIDGE B0463 QUADRANT NE QUADRANT	
11.474	11.491	RT	-	1	-	1	80	115	BRIDGE B0463 QUADRANT SW QUADRANT	
11.474	11.502	LT	62.5	1	-	1	80	115	BRIDGE B0463 QUADRANT SE QUADRANT	
16.517	16.541	RT	37.5	1	-	1	80	115	BRIDGE A2259 QUADRANT NW QUADRANT	
16.524	16.541	LT	-	1	-	1	80	115	BRIDGE A2259 QUADRANT NE QUADRANT	
16.563	16.580	RT	-	1	-	1	80	115	BRIDGE A2259 QUADRANT SW QUADRANT	
16.563	16.587	LT	37.5	1	-	1	80	115	BRIDGE A2259 QUADRANT SE QUADRANT	
17.967	17.993	RT	50	1	-	1	80	115	BRIDGE A2260 QUADRANT NW QUADRANT	
17.976	17.993	LT	-	1	-	1	80	115	BRIDGE A2260 QUADRANT NE QUADRANT	
18.019	18.036	RT	-	1	-	1	80	115	BRIDGE A2260 QUADRANT SW QUADRANT	
18.019	18.045	LT	50	1	-	1	80	115	BRIDGE A2260 QUADRANT SE QUADRANT	
0.188	0.273	RT	400	-	-	1	80	115	OUTER ROAD 60 EAST - REPLACE GUARDRAIL	
21.604	21.625	RT	75	-	-	1	80	115	ROUTE F - REPLACE GUARDRAIL	
23.059	23.153	LT	400	-	-	2	160	230	ROUTE F - REPLACE GUARDRAIL	
23.050	23.153	RT	450	-	-	2	160	230	ROUTE F - REPLACE GUARDRAIL - EXTEND 50FT	
23.244	23.311	LT	350	-	-	1	80	115	ROUTE F - REPLACE GUARDRAIL	
3.351	3.346	LT	-	-	1	-	-	-	ROUTE EE AT RADIUS POINT	
TOTAL			1975	12	1	19	1520	2185		
									FOR INFORMATION ONLY	

SEE STANDARD PLANS 606.50 AND 606.81 FOR DETAILS

PAVEMENT MARKING				
LOG MILE	LOG MILE	WATERBORNE PAVEMENT MARKING PAINT 4" WHITE TYPE P BEADS (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" SOLID YELLOW TYPE P BEADS (L.F.)	WATERBORNE PAVEMENT MARKING PAINT 4" INT. YELLOW TYPE P BEADS (L.F.)
0.023	23.296	-	211686	7480
11.343	11.564	2334	-	-
16.419	16.640	2334	-	-
17.898	17.988	950	-	-
17.988	18.119	1384	-	-
TOTAL		7002	211686	7480
USE		7002	219166	


PAVEMENT MARKING TO BE LOCATED IN ACCORDANCE WITH PAVEMENT MARKING LOG JSP

TEMPORARY PAVEMENT MARKING							
LOG MILE	LOG MILE	LOC	PAVEMENT MARKING REMOVAL	TEMPORARY REMOVABLE MARKING TAPE			REMARKS
				4" SOLID WHITE LF	4" SOLID YELLOW LF	24" SOLID WHITE (STOP BAR) LF	
11.286	11.640	RTE F	870	422	1000	20	BRIDGE NO B0463
16.375	16.729	RTE F	866	418	1000	20	BRIDGE NO A2259
17.827	18.185	RTE F	886	438	1000	20	BRIDGE NO A2260
TOTAL			2622	1278	3000	60	



Chris E. Berry
12/10/2024 11:57:34 AM
CHRIS E. BERRY - CIVIL
MO-PE-2001018707

DATE PREPARED		12/10/2024	
ROUTE	F	STATE	MO
DISTRICT	SE	SHEET NO.	3
COUNTY			
WRIGHT			
JOB NO.			
J9S3695			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
DESCRIPTION	DATE		

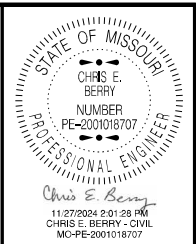


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NOTES
 REFER TO SHEETS 13 & 15 FOR DETAILS.

SCALE
 0 50 100 150



DATE PREPARED
 11/25/2024

ROUTE STATE
 F MO

DISTRICT SHEET NO.
 SE 4

COUNTY
 WRIGHT

JOB NO.
 J9S3695

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

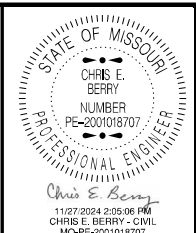
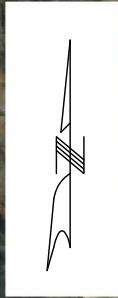
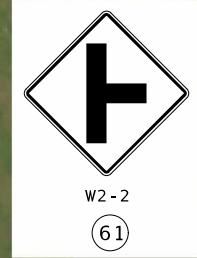
MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

MoDOT

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

PLAN SHEET
 SHEET 1 OF 4

RTE F_SB
 OAK RIDGE RD - RT
 W2-2 36X36 SIGN
 2.5" PSST 16LF
 LM 19.938



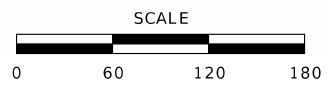
DATE PREPARED
 11/25/2024
 ROUTE STATE
 F MO
 DISTRICT SHEET NO.
 SE 5
 COUNTY
 WRIGHT
 JOB NO.
 J9S3695
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

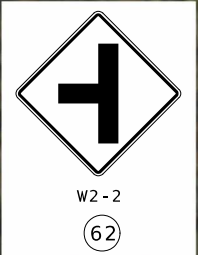
MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

NOTES
 REFER TO SHEETS 13 & 15 FOR DETAILS.

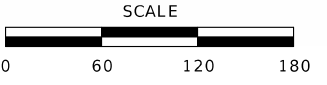


PLAN SHEET
 SHEET 2 OF 4

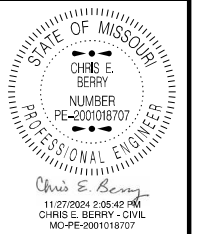


RTE F_NB
 NEW GROVE RD - LT
 W2-2 36X36 SIGN
 2.5" PSST 16LF
 LM 11.798

NOTES
 REFER TO SHEETS 13 & 15 FOR DETAILS.




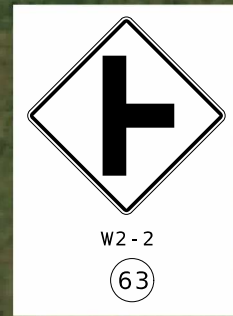
PLAN SHEET
 SHEET 3 OF 4



DATE PREPARED
11/25/2024
 ROUTE STATE
F MO
 DISTRICT SHEET NO.
SE 6
 COUNTY
WRIGHT
 JOB NO.
J9S3695
 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)

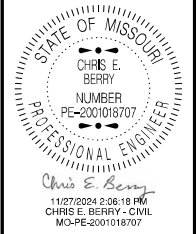


RTE F_NB
 TRAIL BLAZER RD - RT
 MCCLANAHAN RD - RT
 W2-2 36X36 SIGN
 2.5" PSST 16LF
 LM 18.062

NOTES
 REFER TO SHEETS 13 & 15 FOR DETAILS.




PLAN SHEET
 SHEET 4 OF 4

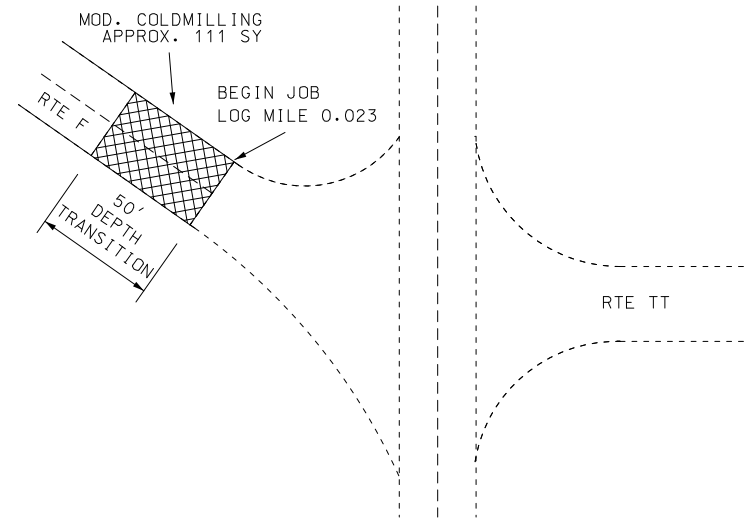


DATE PREPARED
 11/25/2024
 ROUTE STATE
 F MO
 DISTRICT SHEET NO.
 SE 7
 COUNTY
 WRIGHT
 JOB NO.
 J9S3695
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

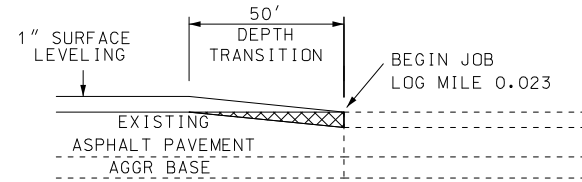
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

BEGIN PROJECT

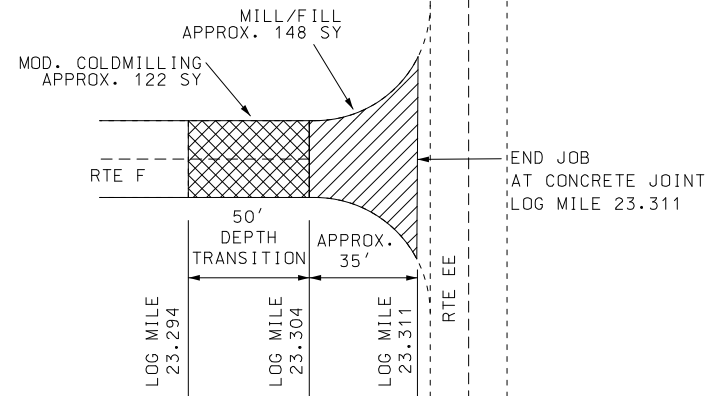


PLAN VIEW AT RTE 5

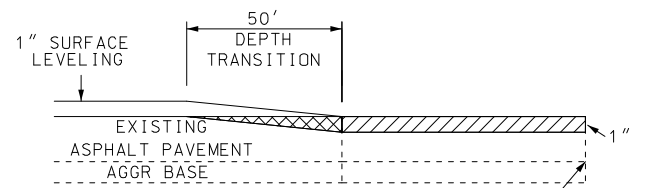


TYPICAL
RTE F

END PROJECT

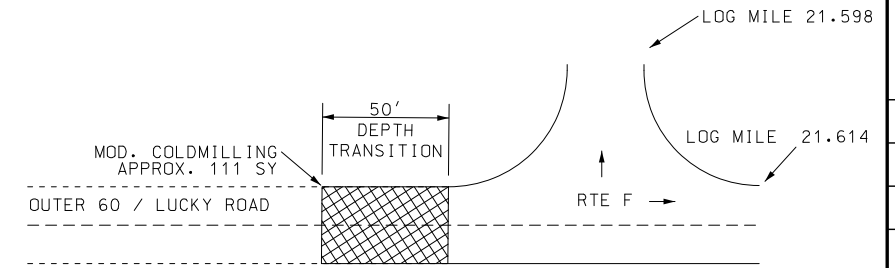


PLAN VIEW AT RTE EE

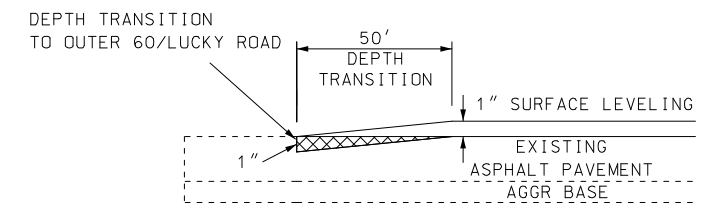


TYPICAL
RTE F

DEPTH TRANSITION



PLAN VIEW AT OUTER 60 / LUCKY ROAD



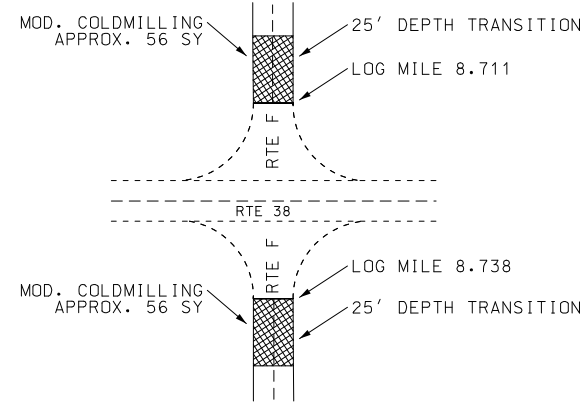
TYPICAL
RTE F



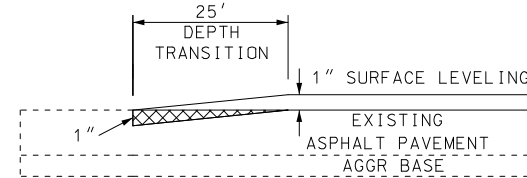
STATE OF MISSOURI
CHRIS E. BERRY
NUMBER
PE-2001018707
PROFESSIONAL ENGINEER
11/27/2008 2:28:48 PM
CHRIS E. BERRY-CIVIL
MO-PE-2001018707
DATE PREPARED
11/25/2024
ROUTE STATE
F MO
DISTRICT SHEET NO.
SE 8
COUNTY
WRIGHT
JOB NO.
J9S3695
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

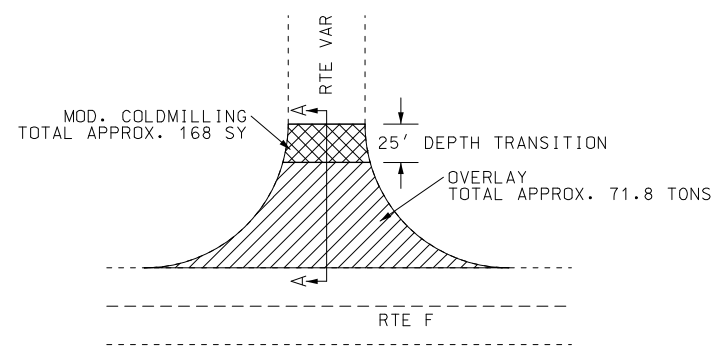
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT



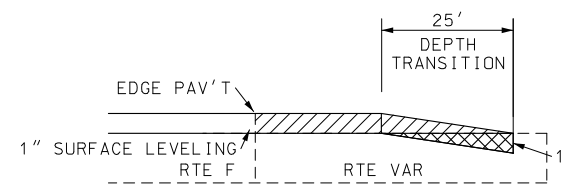
PLAN VIEW AT RTE 38



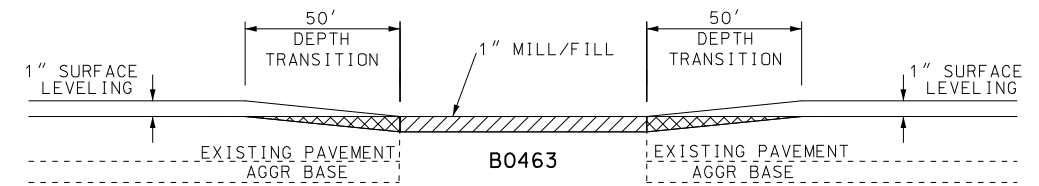
TYPICAL
RTE F



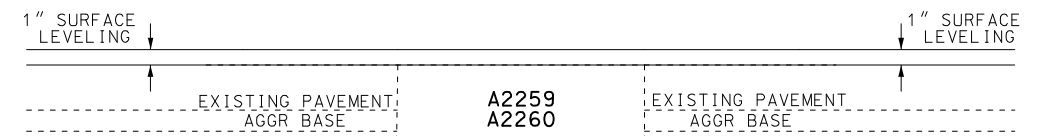
PLAN VIEW AT RTE CC LOG MILE 4.778
RTE V EAST LOG MILE 13.679
RTE V WEST LOG MILE 14.182



TYPICAL
SECTION A-A



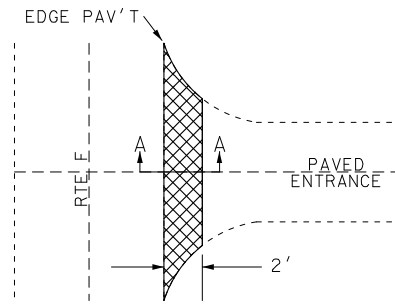
TYPICAL AT BRIDGE B0463 LOG MILE 11.452 (BEGIN BRIDGE)
LOG MILE 11.474 (END BRIDGE)



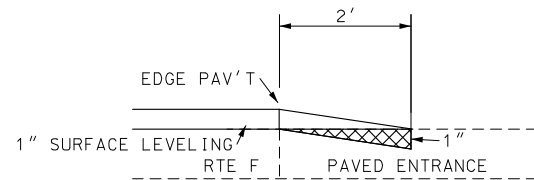
TYPICAL AT BRIDGE A2259 LOG MILE 16.541 (BEGIN BRIDGE)
LOG MILE 16.563 (END BRIDGE)
TYPICAL AT BRIDGE A2260 LOG MILE 17.993 (BEGIN BRIDGE)
LOG MILE 18.019 (END BRIDGE)

OVERLAY
MODIFIED COLDMILLING (DEPTH TRANSITIONS)

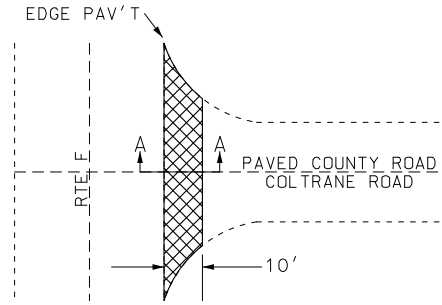
LOG MILE LOCATIONS APPROXIMATE
ADJUST AS DIRECTED BY ENGINEER
TO FIT FIELD CONDITIONS.



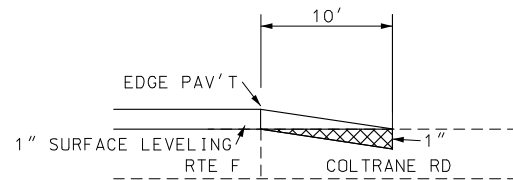
PLAN VIEW FOR PAVED PRIVATE AND COMMERCIAL ENTRANCES 12 LOCATIONS - VARIOUS



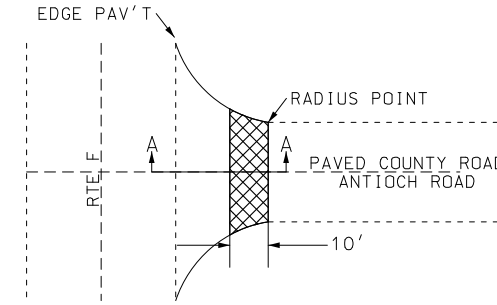
TYPICAL SECTION A-A



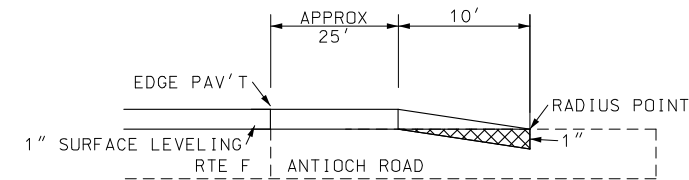
PLAN VIEW FOR PAVED COUNTY ROAD COLTRANE ROAD - LM 1.405 RT



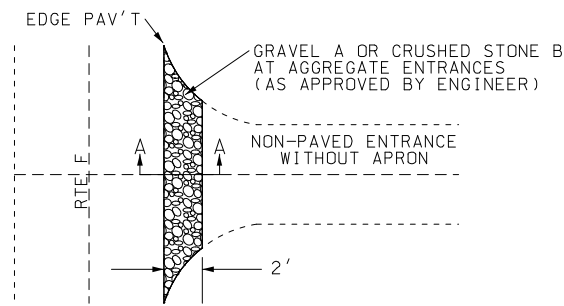
TYPICAL SECTION A-A



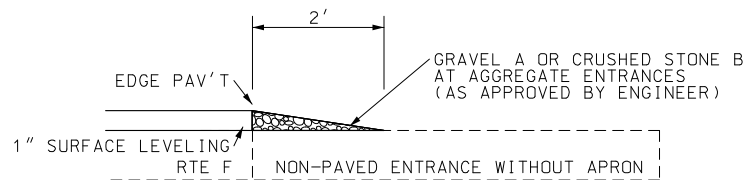
PLAN VIEW FOR PAVED COUNTY ROAD ANTIOCH ROAD - VARIOUS



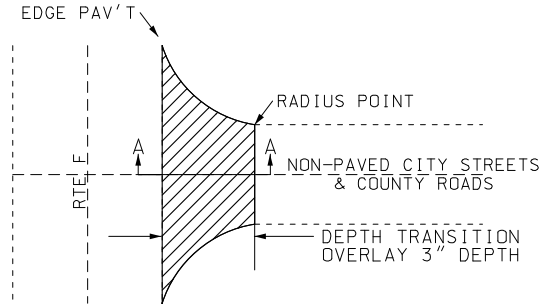
TYPICAL SECTION A-A



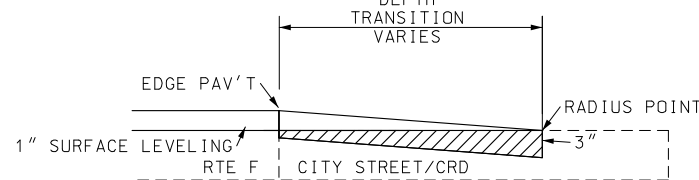
PLAN VIEW FOR NON-PAVED PRIVATE AND COMMERCIAL ENTRANCES 190 LOCATIONS - VARIOUS



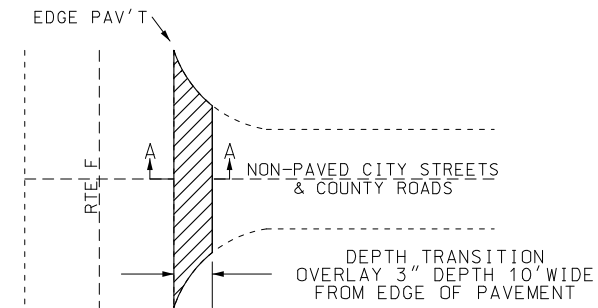
TYPICAL SECTION A-A



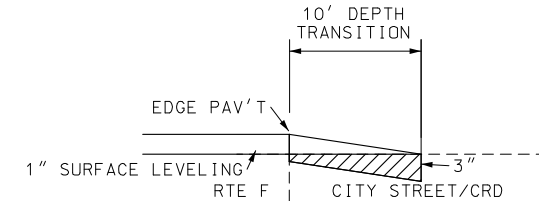
PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS 5 LOCATIONS - VARIOUS



TYPICAL SECTION A-A



PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS 19 LOCATIONS - VARIOUS



TYPICAL SECTION A-A

NOTES

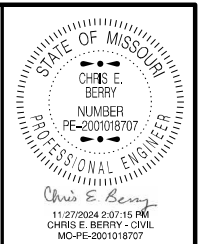
ALL GRADING NECESSARY FOR THE PROPER CONSTRUCTION OF HOT MIX AND AGGREGATE APRONS SHALL BE CONSIDERED INCIDENTAL WORK AND AT NO DIRECT PAY.

THE WIDTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.

- MODIFIED COLD MILLING (DEPTH TRANSITIONS)
- GRADING
- GRAVEL A OR CRUSHED STONE B

- ABRAM RD - LM 4.174 RT
- PYATT RD - LM 8.190 LT
- FLAT ROCK RD - LM 10.340 RT
- IPOCK RD - LM 19.245 RT
- EVERGREEN LN - LM 22.396 LT

- | | |
|-------------------------------|-----------------------------------|
| LITTLE CREEK RD - LM 0.424 LT | NEW GROVE RD - LM 11.336 RT |
| ALVA RD - LM 0.672 LT | PEA RIDGE RD - LM 12.033 LT |
| ELY RD - LM 1.420 LT | NAPIER RD - LM 14.940 LT |
| ORCHARD RD - LM 3.421 RT | PLEASANT VALLEY RD - LM 17.060 LT |
| KENDRICK RD - LM 3.424 LT | SYCAMORE DR - LM 17.750 LT |
| OAK DRIVE - LM 4.926 LT | 5 CEMETERY RD - LM 18.715 LT |
| MC CLANAHAN RD - LM 5.089 LT | OAKRIDGE RD - LM 20.087 RT |
| TRAIL BLAZER RD - LM 5.106 LT | AIRPORT RD - LM 20.787 LT |
| CARDINAL RD - LM 9.732 RT | EAGLE LN - LM 21.245 RT |
| WOODS FORK RD - LM 11.209 LT | |



DATE PREPARED 11/25/2024	
ROUTE F	STATE MO
DISTRICT SE	SHEET NO. 9
COUNTY WRIGHT	
JOB NO. 19S3695	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

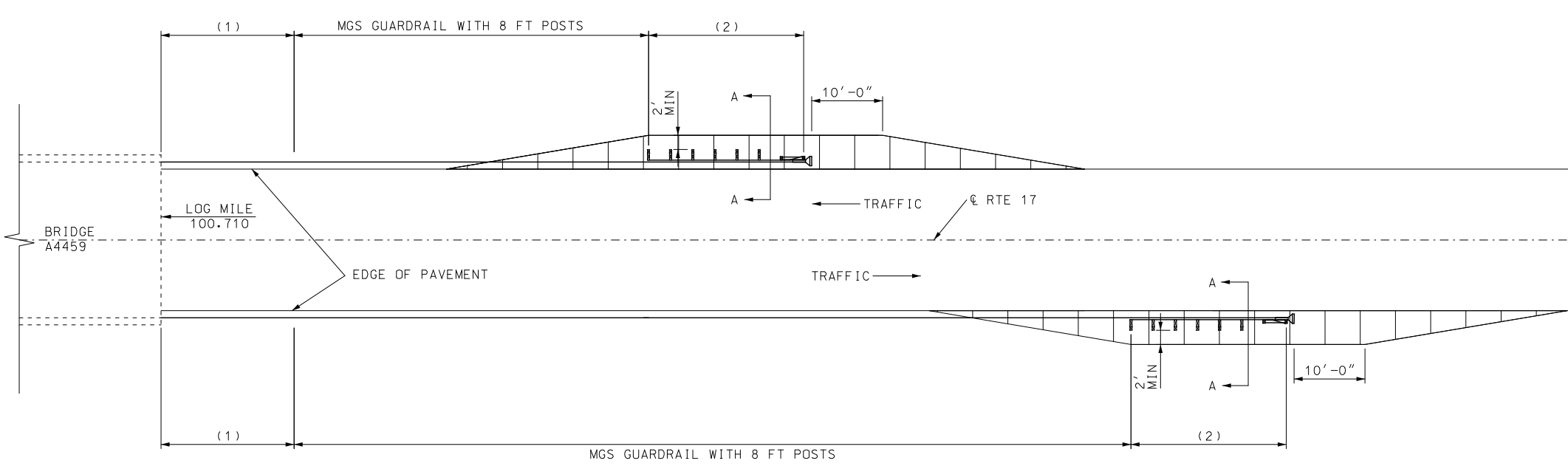
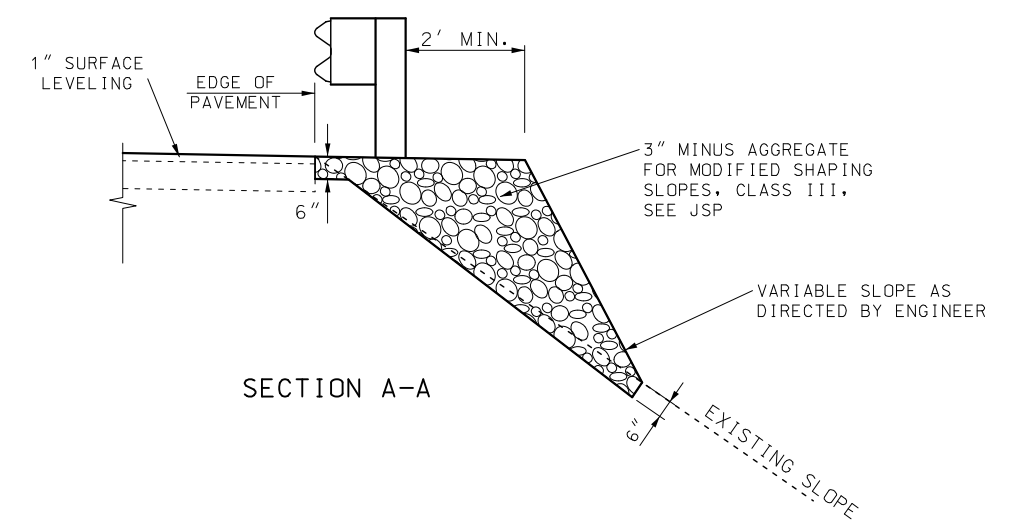
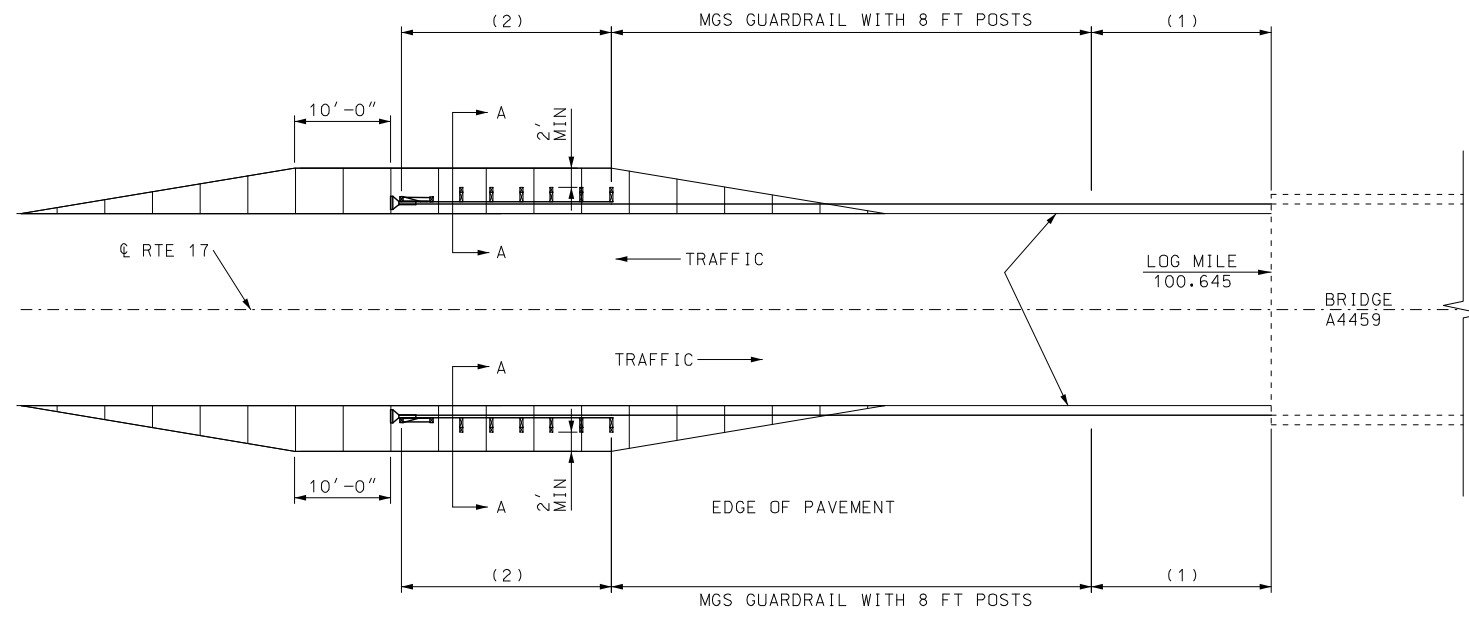
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI
 CHRIS E. BERRY
 NUMBER PE-2001018707
 PROFESSIONAL ENGINEER
 11/27/2024 2:27:38 PM
 CHRIS E. BERRY - CIVIL
 MO-PE-2001018707

DATE PREPARED 11/26/2024
 ROUTE F STATE MO
 DISTRICT SE SHEET NO. 10
 COUNTY WRIGHT
 JOB NO. J9S3695
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DESCRIPTION	DATE

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



TYPICAL GUARDRAIL AND GRADING LIMITS AT BRIDGES

NO. B0463
 LOG MILE 11.452 TO LOG MILE 11.474

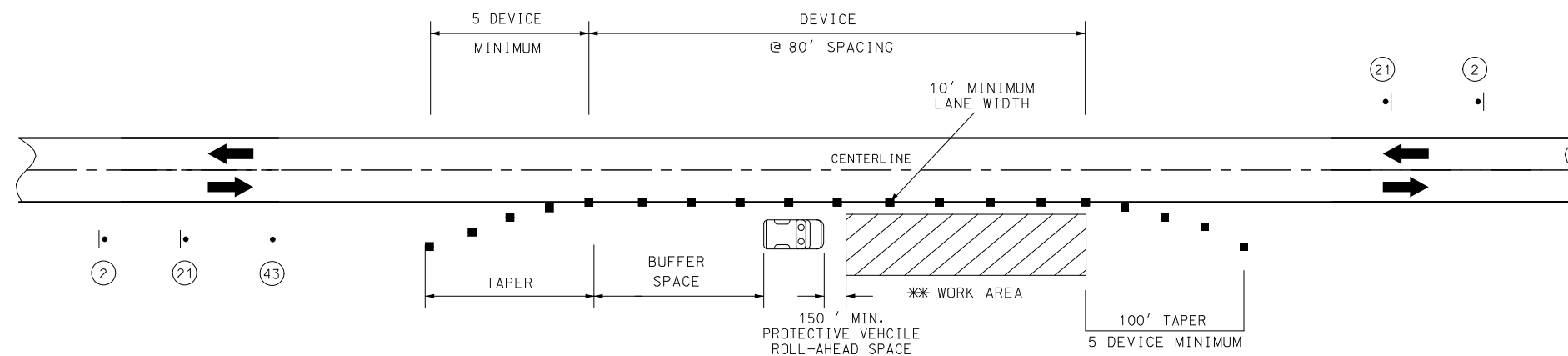
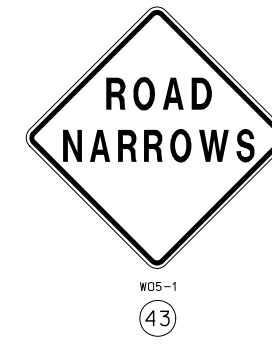
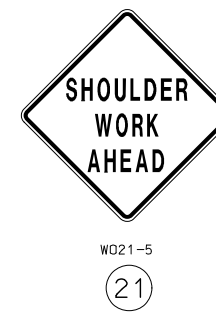
NO. A2259
 LOG MILE 16.541 TO LOG MILE 16.563

NO. A2260
 LOG MILE 17.993 TO LOG MILE 18.019

NOTES:
 SEE STD 606.81 FOR GRADING LIMITS OF MODIFIED SHAPING SLOPES CLASS III.
 (1) MGS BRIDGE APPROACH TRANSITION
 (2) TYPE A CRASHWORTHY END TERMINAL (MASH)
 LOG MILE LOCATIONS APPROXIMATE.
 ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS

SPECIAL SHEET
 SHEET 3 OF 3
 DRAWING NOT TO SCALE

SPEED	SIGN SPACING		TAPER LENGTH		OPTIONAL BUFFER LENGTH (B)	CHANNELIZER SPACING	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	SHOULDER (2) (T2)		TAPER	BUFFER/ WORK AREA
0 - 35	200'	200'	70'	245'	280'	35'	40'
40 - 45	350'	500'	150'	540'	400'	40'	80'
50 - 55	500'	500'	185'	660'	560'	50'	80'
60 - 70	1000'	SA-1000' SB-1500' SC-2640'	235'	840'	840'	60'	120'



WORK ZONE FOR
SHOULDER WORK WITH MINOR
ENCROACHMENT ON DIVIDED
AND UNDIVIDED HIGHWAYS

NOTES:

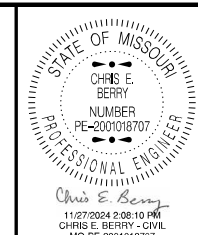
- REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.
- SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.
- THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES.
- SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

(1) SHOULDER TAPER LENGTH BASED ON 10' (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12' (STANDARD LANE WIDTH) OFFSET.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- SIGN



DATE PREPARED
11/25/2024

ROUTE F STATE MO
DISTRICT SE SHEET NO. 11

COUNTY
WRIGHT

JOB NO.
19S3695

CONTRACT ID.

PROJECT NO.

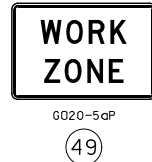
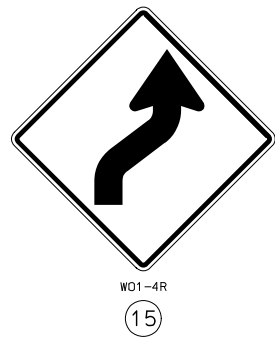
BRIDGE NO.

DESCRIPTION	DATE

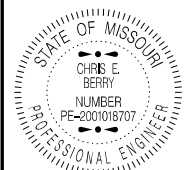
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

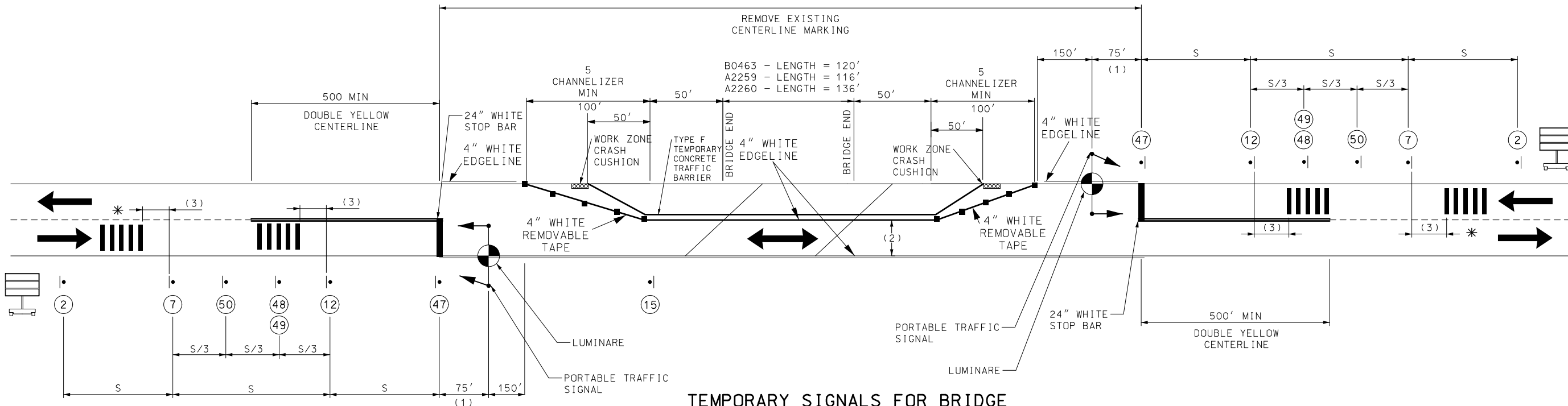
TRAFFIC CONTROL
SHEET 1 OF 2
DRAWING NOT TO SCALE



SPEED	SIGN SPACING (FT)	
	UNDIVIDED (S)	DIVIDED (S)
PERMANENT POSTED (MPH)		
0-35	200	-
40-45	350	-
50-55	500	-
60-70	1000	-



DATE PREPARED
11/25/2024
ROUTE F STATE MO
DISTRICT SE SHEET NO. 12
COUNTY WRIGHT
JOB NO. J9S3695
CONTRACT ID.

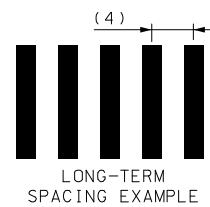


TEMPORARY SIGNALS FOR BRIDGE

BRIDGE B0463 - LM 11.452
BRIDGE A2259 - LM 16.541
BRIDGE A2260 - LM 17.993

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- PORTABLE TRAFFIC SIGNAL AND LUMINAIRE
- CHANGEABLE MESSAGE BOARD
- CHANNELIZER
- WORK ZONE CRASH CUSHION (NARROW)
- ADVANCE WARNING RAIL SYSTEM
- TEMPORARY LONG-TERM RUMBLE STRIPS



TEMP. LONG-TERM RUMBLE STRIPS		
SPEED MPH	DISTANCE (3)	SPACING (4)
0-45 (OPTIONAL)	120 FT	10-12 FT
50-55	160 FT	10-12 FT
60-70	200 FT	10-12 FT

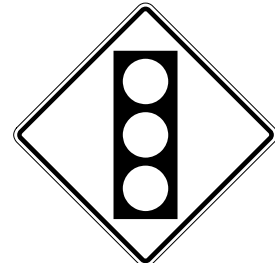
* SECOND SET OF TEMPORARY RUMBLES OPTIONAL



BRIDGE OR RAMP



7



12

- NOTES:
- (1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40' AND 150'.
 - (2) DRIVING LANE SHALL BE AT LEAST 10' IN WIDTH.
 - RELOCATE PORTABLE TRAFFIC SIGNALS AS REQUIRED AT NO DIRECT PAY.
 - EXISTING CONFLICTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS BETWEEN THE ACTIVITY AREA AND THE STOP LINE SHALL BE REMOVED. AFTER THE TEMPORARY TRAFFIC CONTROL SIGNAL IS REMOVED, THE STOP LINES AND OTHER TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND THE PERMANENT PAVEMENT MARKINGS RESTORED.
 - REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

		STANDARD SIGN ASSEMBLIES																			
		SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																			
SIGN NO.	STATION OR LOG MILE	LOCATION																			
			SHF W1-2L 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36	SHF W1-2R 24x24	SHF W1-2R 36x36
1	3.507	RTE F_N	1	1																	
2	3.971	RTE F_N																			
3	4.850	RTE F_N		1	1																
4	5.526	RTE F_N	1				1														
5	6.341	RTE F_N		1				1													
6	6.762	RTE F_N							1	1											
7	6.767	RTE F_N								1	1										
8	9.606	RTE F_N									1										
9	9.612	RTE F_N								1											
10	9.797	RTE F_N									1										
11	9.813	RTE F_N	1				1														
12	10.520	RTE F_N									1	1									
13	11.286	RTE F_N											1								
14	11.406	RTE F_N												1							
15	12.425	RTE F_N				1	1														
16	12.597	RTE F_N																			
17	13.148	RTE F_N								1											
18	13.409	RTE F_N									1										
19	14.729	RTE F_N																			
20	17.089	RTE F_N	1																		
21	17.602	RTE F_N																	1	1	
22	17.674	RTE F_N																		1	
SUBTOTAL 1			4	4	3	3	1	1	1	3	2	1	4	1	1	2	1	2	1	1	1

				SIGN SUMMARY				EFFECTIVE: 10-01-2016			
				TYPE & SQUARE FEET							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	FLAT SHEET SH	FLAT SHEET SHF*	STRUCTURAL ST	STRUCTURAL FLUORESCENT STF*				
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W1-2L		4	36x36		36.00						
W13-1P		4	24x24		16.00						
W1-2R		3	36x36		27.00						
W13-1P		3	24x24		12.00						
W1-5R		1	36x36		9.00						
W13-1P		1	24x24		4.00						
W1-4L		1	36x36		9.00						
OM3-R		3	12x36		9.00						
OM3-L		2	12x36		6.00						
R2-1		1	36x48	12.00							
W11-14		4	36x36		36.00						
W7-3aP		1	24x18		3.00						
R1-1		1	36x36	9.00							
W16-1P		2	24x30		10.00						
W7-3aP		1	24x18		3.00						
W13-1P		2	24x24		8.00						
W1-4R		1	36x36		9.00						
W13-1P		1	24x24		4.00						
W1-1R		1	36x36		9.00						
W1-6		1	48x24		8.00						
SUBTOTAL 1				21	218						

*ORANGE, YELLOW AND YELLOW-GREEN

STATE OF MISSOURI
 CHRIS E. BERRY
 NUMBER
 PE-2001018707
 PROFESSIONAL ENGINEER

Chris E. Berry
 11/27/2024 2:09:34 PM
 CHRIS E. BERRY - CIVIL
 MO-PE-2001018707

DATE PREPARED
 11/25/2024

ROUTE STATE
 F MO

DISTRICT SHEET NO.
 SE 14

COUNTY
 WRIGHT

JOB NO.
 J9S3695

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

		STANDARD SIGN ASSEMBLIES																		
		SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																		
SIGN NO.	STATION OR LOG MILE	LOCATION																		
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23	17.997	RTE F_N	1	1																
24	18.181	RTE F_N			1															
25	18.208	RTE F_N				1														
26	18.226	RTE F_N				1														
27	18.361	RTE F_N					1	1												
28	19.893	RTE F_N				1														
29	22.843	RTE F_N						1												
30	22.892	RTE F_N				1														
31	23.305	RTE F_N								1	1									
32	23.305	RTE F_N										1	1							
SUBTOTAL 2			1	1	1	4	1	1	1	1	1	1	1							

				SIGN SUMMARY				EFFECTIVE: 10-01-2016			
				TYPE & SQUARE FEET							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	FLAT SHEET SH	FLAT SHEET SHF*	STRUCTURAL ST	STRUCTURAL FLUORESCENT STF*				
				ITEM NO. 9035004A	ITEM NO. 9035069A	ITEM NO. 9035011A	ITEM NO. 9035071A				
W1-1L		1	36x36		9.00						
W13-1P		1	24x24		4.00						
W1-6		1	48x24		8.00						
R1-1		4	36x36	36.00							
M2-1		1	21x15	2.19							
M1-5a		1	30x24	5.00							
OM3-R		1	12x36		3.00						
M1-5		1	24x24	4.00							
M6-4		1	21x15	2.19							
M1-5a		1	30x24	5.00							
M6-3		1	21x15	2.19							
SUBTOTAL 2				57	24						

*ORANGE, YELLOW AND YELLOW-GREEN

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

		STANDARD SIGN ASSEMBLIES																				
		SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																				
SIGN NO.	STATION OR LOG MILE	LOCATION																				
			SHF OM3-R 12x36	SHF W2-2 36x36	SHF W13-1P 24x24	SHF W1-6 48x24	SH M1-5a 24x24	SHF W1-1L 36x36	SHF W13-1P 24x24	SHF W1-2R 36x36	SHF W13-1P 24x24	SHF W11-14 36x36	SHF W16-1P 24x30	SHF W1-2L 36x36	SHF W1-5R 36x36	SHF W13-1P 24x24	SH R1-1 36x36	SH M1-5a 24x24	SH M2-1 21x15	SH M6-6L 21x15	SH M6-3 21x15	SHF OM3-L 12x36
33	0.447	RTE F_S	1																			
34	0.600	RTE F_S		1	1																	
35	4.405	RTE F_S				1																
36	4.792	RTE F_S					1															
37	5.519	RTE F_S						1		1												
38	5.583	RTE F_S				1																
39	5.976	RTE F_S									1	1										
40	7.033	RTE F_S				1																
41	9.898	RTE F_S												1	1							
42	10.657	RTE F_S			1									1								
43	10.717	RTE F_S																				
44	10.936	RTE F_S											1	1								
45	11.341	RTE F_S																				
46	13.369	RTE F_S			1																	
47	13.514	RTE F_S																				
48	13.676	RTE F_S													1	1						
49	13.676	RTE F_S																				
50	13.781	RTE F_S																				
51	15.666	RTE F_S	1																			
52	15.668	RTE F_S																			1	
SUBTOTAL 3			2	1	3	3	2	1	1	2	1	3	3	1	1	1	1	2	1	1	1	1

		SIGN SUMMARY						EFFECTIVE: 10-01-2016	
		TYPE & SQUARE FEET							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	FLAT SHEET SH	FLAT SHEET SHF*	STRUCTURAL ST	STRUCTURAL FLUORESCENT STF*		
				ITEM NO. 9035004A	ITEM NO. 9035069A	ITEM NO. 9035011A	ITEM NO. 9035071A		
OM3-R		2	12x36		6.00				
W2-2		1	36x36		9.00				
W13-1P		3	24x24		12.00				
W1-6		3	48x24		24.00				
M1-5a		2	24x24	8.00					
W1-1L		1	36x36		9.00				
W13-1P		1	24x24		4.00				
W1-2R		2	36x36		18.00				
W13-1P		1	24x24		4.00				
W11-14		3	36x36		27.00				
W16-1P		3	24x30		15.00				
W1-2L		1	36x36		9.00				
W1-5R		1	36x36		9.00				
W13-1P		1	24x24		4.00				
R1-1		1	36x36	9.00					
M1-5a		2	24x24	8.00					
M2-1		1	21x15	2.19					
M6-6L		1	21x15	2.19					
M6-3		1	21x15	2.19					
OM3-L		1	12x36		3.00				
SUBTOTAL 3				32	153				

STATE OF MISSOURI
CHRIS E. BERRY
NUMBER
PE-2001018707
PROFESSIONAL ENGINEER

Chris E. Berry
11/27/2024 2:10:02 PM
CHRIS E. BERRY - CIVIL
MO-PE-2001018707

DATE PREPARED
11/25/2024

ROUTE STATE
F MO

DISTRICT SHEET NO.
SE 15

COUNTY
WRIGHT

JOB NO.
J9S3695

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

		STANDARD SIGN ASSEMBLIES									
		SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH									
SIGN NO.	STATION OR LOG MILE	LOCATION									
			SHF W1-4L 36x36	SHF W13-1P 24x24	SHF OM3-R 12x36	SHF W1-2R 36x36	SHF W13-1P 24x24	SH R1-1 36x36			
53	16.076	RTE F_S	1	1							
54	16.626	RTE F_S			1						
55	19.569	RTE F_S									
56	19.649	RTE F_S				1	1				
57	20.935	RTE F_S				1	1				
58	21.400	RTE F_S						1			
59	23.306	RTE F_S						1			
SUBTOTAL 4			1	1	2	2	2	2			

		SIGN SUMMARY						EFFECTIVE: 10-01-2016	
		TYPE & SQUARE FEET							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	FLAT SHEET SH	FLAT SHEET SHF*	STRUCTURAL ST	STRUCTURAL FLUORESCENT STF*		
				ITEM NO. 9035004A	ITEM NO. 9035069A	ITEM NO. 9035011A	ITEM NO. 9035071A		
W1-4L		1	36x36		9.00				
W13-1P		1	24x24		4.00				
OM3-R		2	12x36		6.00				
W1-2R		2	36x36		18.00				
W13-1P		2	24x24		8.00				
R1-1		2	36x36	18.00					
SUBTOTAL 4				18	45				

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

DATE

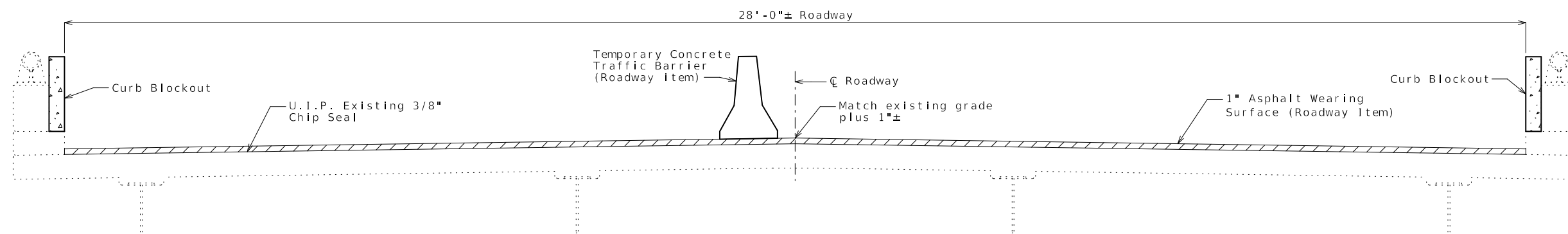
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

		STANDARD SIGN ASSEMBLIES					
		SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH					
SIGN NO.	STATION OR LOG MILE	LOCATION					
			SHF W2-2 36x36	SHF W2-2 36x36	SHF OM3-L 12x36		
60	16.626	RTE F_S			1		
61	19.938	RTE F_S	1				
62	11.798	RTE F_N		1			
63	18.062	RTE F_N	1				
SUBTOTAL 5			2	1	1		

		SIGN SUMMARY						EFFECTIVE: 10-01-2016	
		TYPE & SQUARE FEET							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	FLAT SHEET SH	FLAT SHEET SHF*	STRUCTURAL ST	STRUCTURAL FLUORESCENT STF*		
				ITEM NO. 9035004A	ITEM NO. 9035069A	ITEM NO. 9035011A	ITEM NO. 9035071A		
W2-2		2	36x36		18.00				
W2-2		1	36x36		9.00				
OM3-L		1	12x36		3.00				
SUBTOTAL 5					30				
TOTAL				128	470				

DATE

U.I.P. AND REHABILITATE EXISTING (35'-43'-35') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS



TYPICAL SECTION THRU EXISTING DECK

Estimated Quantities		
Item		Total
Curb Blockout	linear foot	234

General Notes:

Design Specifications:
 2002 AASHTO LFD (17th Ed.) Standard Specifications
 Bridge Deck Rating = 6

Design Loading:
 HS15-44 (1965). HS20-44 (New Construction)

Design Unit Stresses:
 Class B-1 Concrete (Curb Blockout) $f'c = 4,000$ psi
 Reinforcing Steel (Grade 60) $f_y = 60,000$ psi

Miscellaneous:
 Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

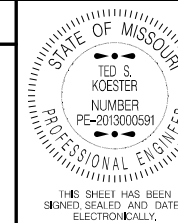
In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: ROUTE F OVER LICK FORK

ROUTE F FROM ROUTE V TO ROUTE EE
 ABOUT 2.3 MILES SOUTH OF ROUTE V
 BEGINNING STATION 385+02.50± (Match Existing)



DATE PREPARED
8/8/2024

ROUTE F STATE MO

DISTRICT BR SHEET NO. 1

COUNTY WRIGHT

JOB NO. J9S3695

CONTRACT ID.

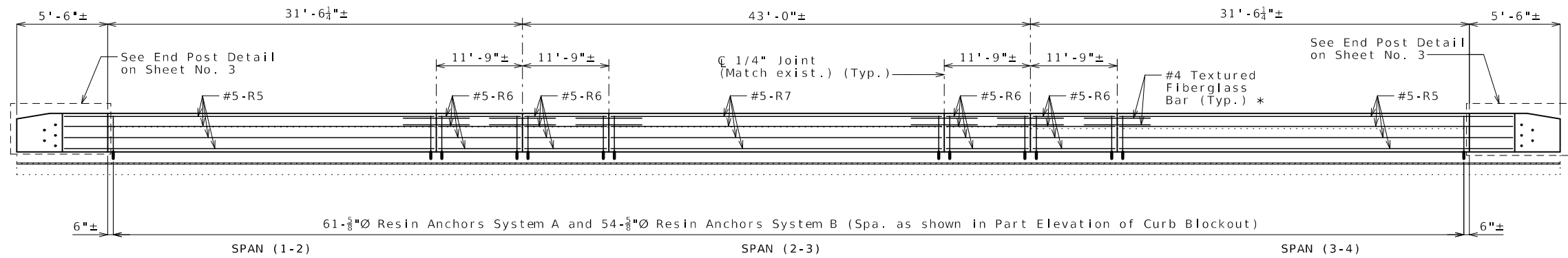
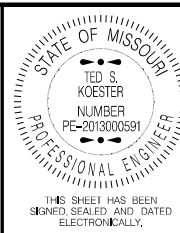
PROJECT NO.

BRIDGE NO. A22592

DATE	DESCRIPTION

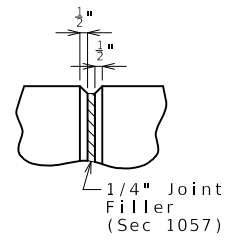
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

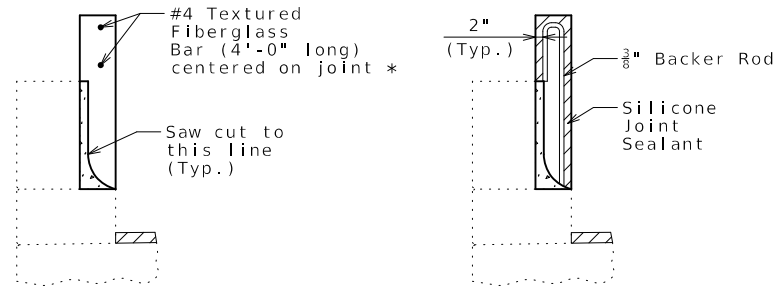


ELEVATION OF LEFT CURB BLOCKOUT
(Right curb blockout similar)

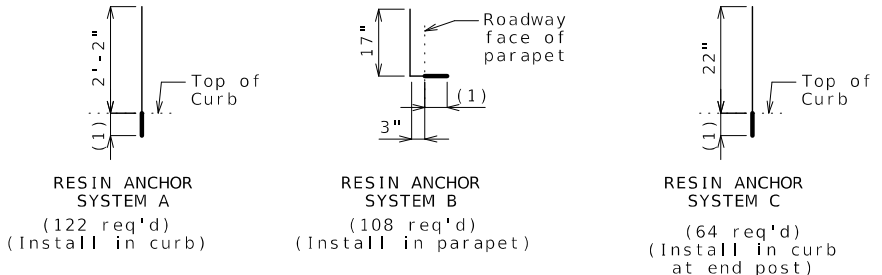
Longitudinal dimensions are along grade and are taken at top outside edge of parapet.



PART ELEVATION AT FORMED JOINT

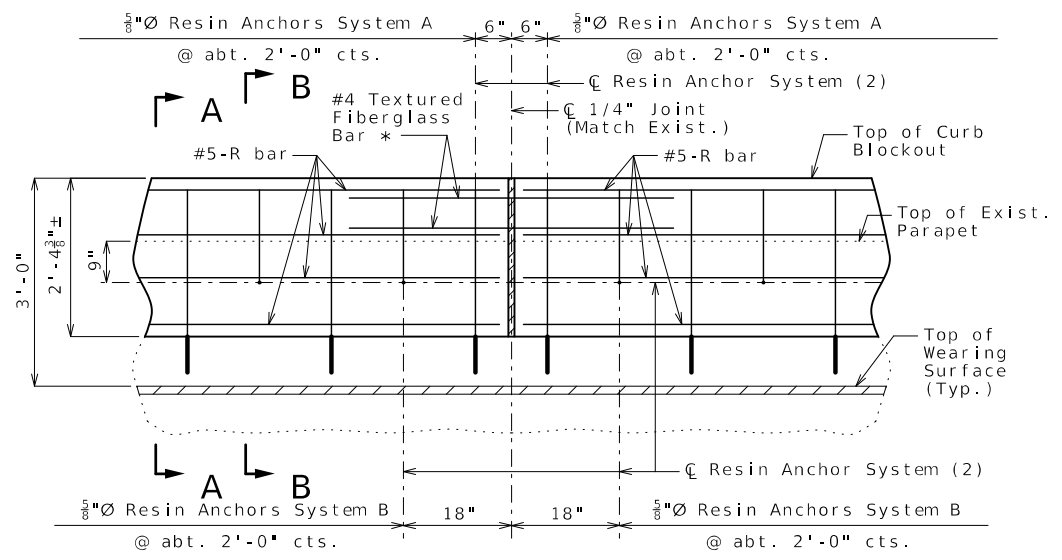


SECTION THRU SAW CUT JOINT

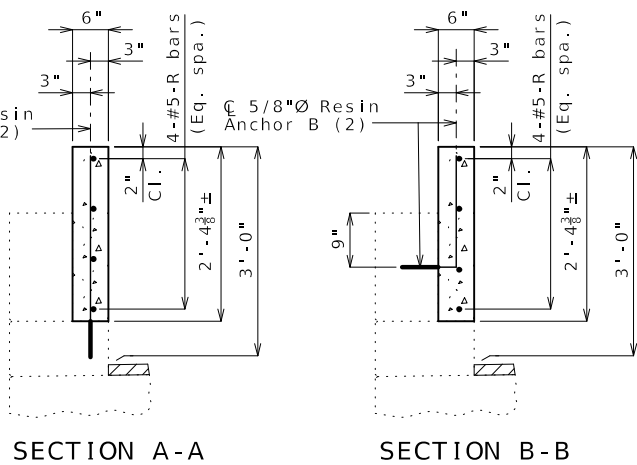


DETAILS OF RESIN ANCHORS

(1) Use manufacturer's embedment length (5" minimum embedment).



PART ELEVATION OF CURB BLOCKOUT



SECTION A-A SECTION B-B

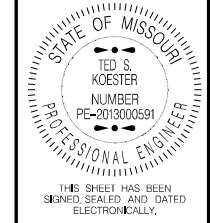
CURB BLOCKOUT

Notes:

- * Slip-formed option only.
- Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.
- Bridge rail not shown for clarity.
- Concrete in curb blockout shall be Class B-1.
- Measurement of curb blockout is to the nearest linear foot, measured at the top outside edge of parapet. (Match existing curb and parapet)
- All exposed edges of curb blockout shall have either a 1/2-inch radius or 3/8-inch bevel, unless otherwise noted.
- Payment for concrete, reinforcement, resin anchor systems and any other work incidental to the curb blockout, complete in place, will be considered completely covered by the contract unit price for Curb Blockout per linear foot.
- Cost of any concrete curb or parapet repair will be considered completely covered by the contract unit price for Curb Blockout.
- All curb blockout reinforcement shall be epoxy coated.
- (2) Shift resin anchors where necessary to clear existing anchor bolts for bridge rail, miss curb outlets (if present) and clear existing reinforcement.
- Use a minimum lap of 3'-1" for #5 horizontal curb blockout bars.
- Concrete traffic barrier delineators shall be placed on top of the curb blockout similarly as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Curb Blockout.
- The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.
- The minimum embedment depth in concrete with f'c = 4,000 psi for the resin anchor system shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5 inches.
- An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8"Ø threaded rod.
- For slip-formed option, both sides of the curb blockout shall have a vertically broomed finish and the top shall have a transversely broomed finish.

DATE PREPARED	8/8/2024
ROUTE	F
STATE	MO
DISTRICT	BR
SHEET NO.	2
COUNTY	WRIGHT
JOB NO.	19S3695
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	A22592
DESCRIPTION	
DATE	





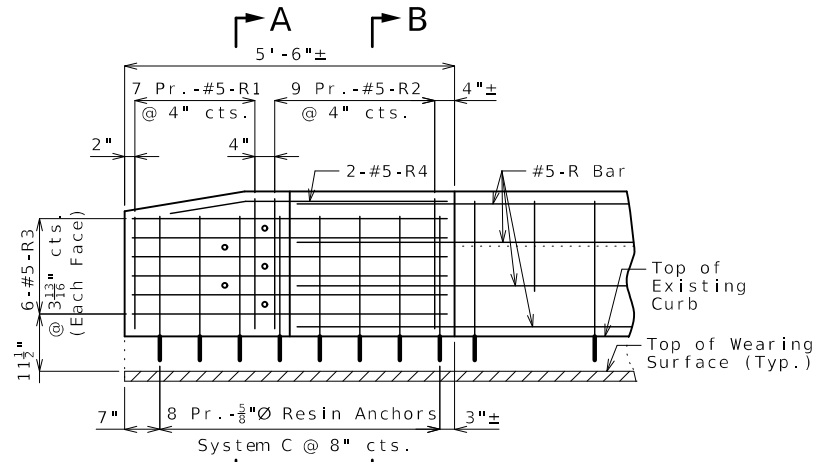
DATE PREPARED
8/8/2024
ROUTE F STATE MO
DISTRICT BR SHEET NO. 3
COUNTY WRIGHT
JOB NO. J9S3695
CONTRACT ID.

PROJECT NO.
BRIDGE NO. A22592

DESCRIPTION	DATE

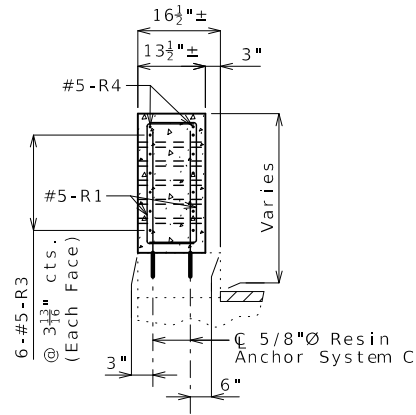
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

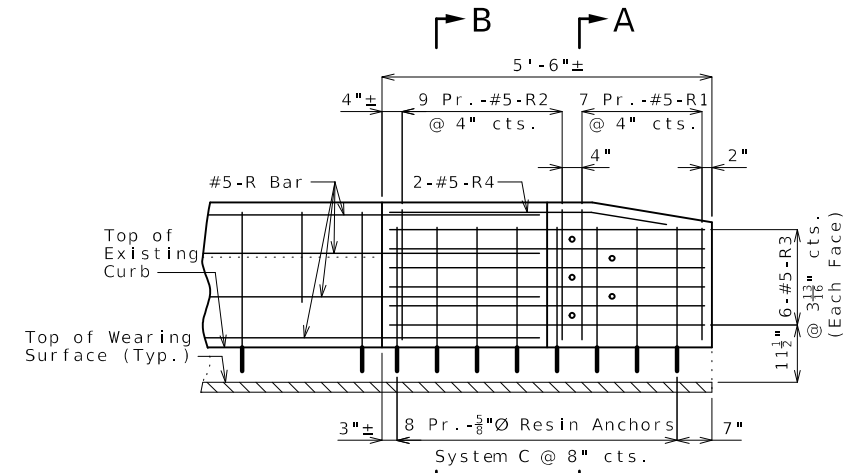


ELEVATION SHOWING REINFORCEMENT

(Right End Post at End Bent No. 4 similar)

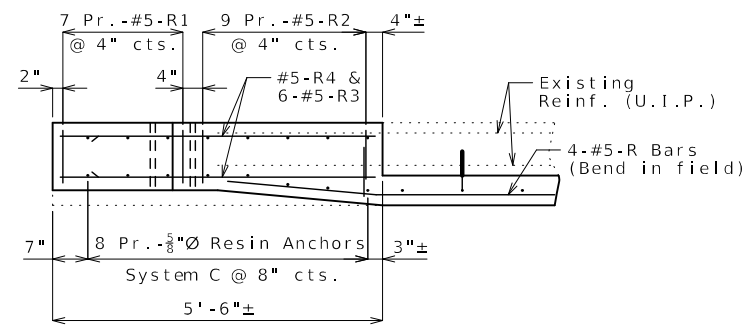


SECTION A-A



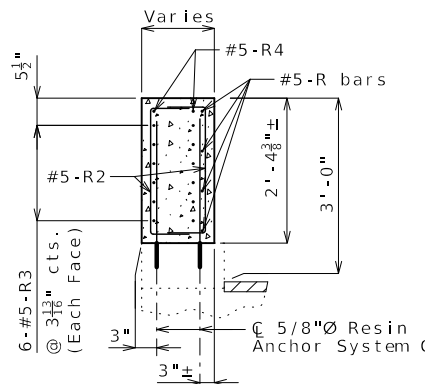
ELEVATION SHOWING REINFORCEMENT

(Right End Post at End Bent No. 1 similar)

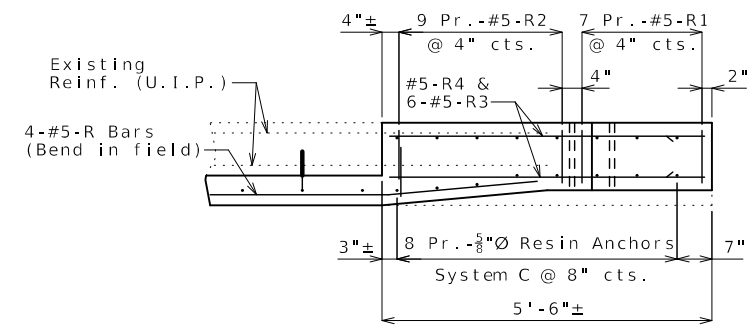


PLAN SHOWING REINFORCEMENT

LEFT END POST AT END BENT NO. 1

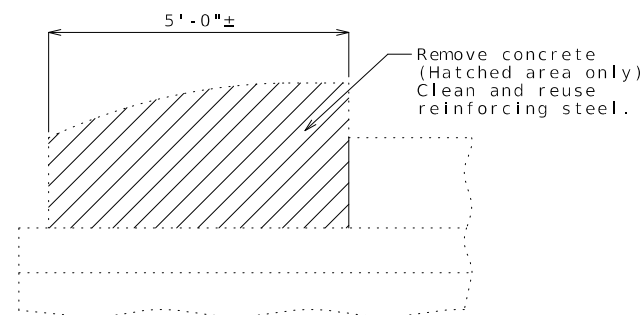


SECTION B-B



PLAN SHOWING REINFORCEMENT

LEFT END POST AT END BENT NO. 4



PART ELEVATION SHOWING END POST CONCRETE REMOVAL

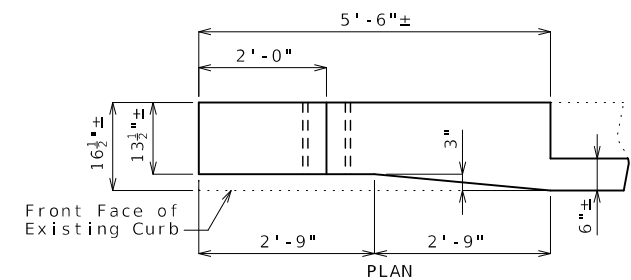
Cost of removing existing end posts will be considered completely covered by the contract unit price for Curb Blockout.

Notes:

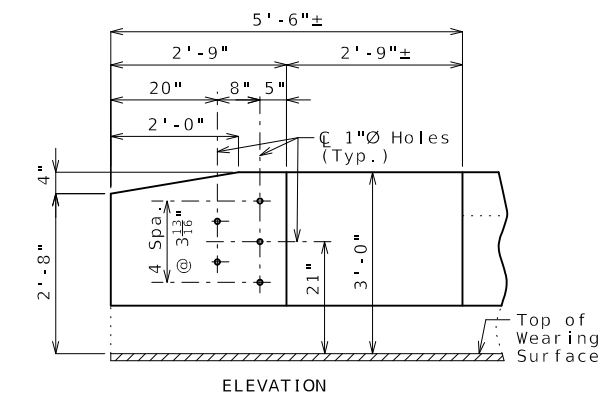
Work this sheet with Sheet No. 2.

For details of resin anchors, see Sheet No. 2.

Resin anchors shall be shifted or bent in field to clear one-inch diameter holes by at least 1/2 inch.



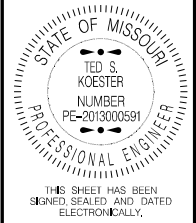
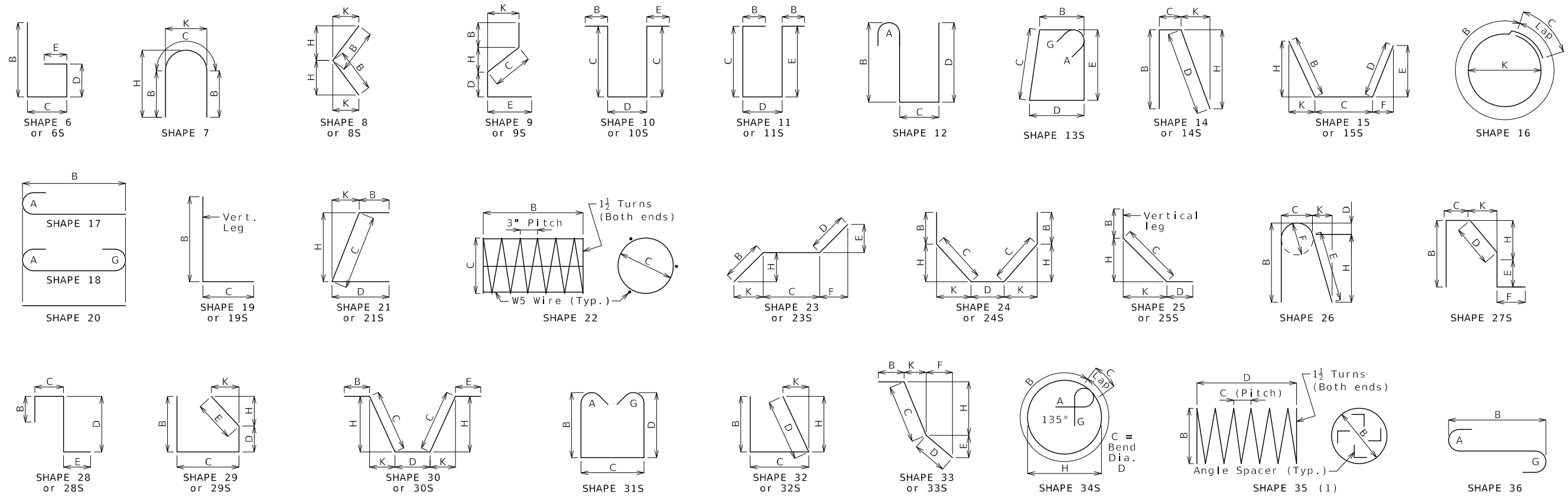
PLAN



ELEVATION

DETAILS OF END POST AND GUARD RAIL ATTACHMENT

CURB BLOCKOUT AT END BENTS



DATE PREPARED		8/8/2024	
ROUTE	F	STATE	MO
DISTRICT	BR	SHEET NO.	4
COUNTY			
WR IGH T			
JOB NO.			
J9S3695			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
A22592			

DESCRIPTION
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

Finished Bend Diameters D and Hook Dimensions

Standard Pin Bend Shapes

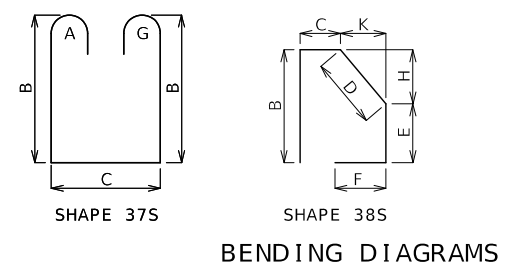
Size	Case	D	A or G			J
			90°	180°	180°	
#4	1	3"	8"	6"	4"	
#5	1	3 3/4"	10"	7"	5"	
#6	1	4 1/2"	12"	8 1/4"	6"	
	2	5 1/4"	14"	9 3/4"	7"	
#7	3	7"	15"	11 1/2"	8 3/4"	
	2	6"	16"	11"	8"	
#8	3	8"	17"	13 1/4"	10"	
	1	9 1/2"	19 1/2"	15 1/2"	11 3/4"	
#10	1	10 3/4"	22"	17 1/2"	13 1/4"	
#11	1	12"	24 1/2"	19 1/2"	14 7/8"	
#14	1	18 1/4"	31 1/4"	27 1/2"	21 5/8"	
#18	1	24"	41 1/2"	36 1/4"	28 1/2"	

Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G			H	J
			90°	135°	180°		
#4	2	2"	4 1/2"	4 1/2"	5"	2 5/8"	3"
	3	3"	5"	5 1/4"	6"	3"	4"
#5	2	2 1/2"	5 3/4"	5 3/4"	5 3/4"	3 3/8"	3 3/4"
	3	3 3/4"	6 1/4"	6 1/2"	7"	3 5/8"	5"
#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 5/8"	6"

Applicable for all grades of steel.

Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.



BENDING DIAGRAMS

All dimensions are out to out. (1) Shall be a deformed or plain spiral bar or wire.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

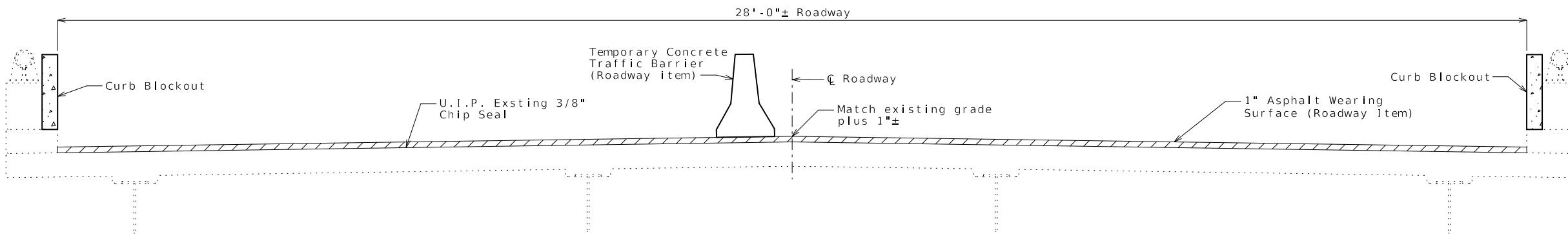
Reinforcing Steel Totals (Pounds)

Size	Substructure		Superstructure			Entire Bridge	
	Plain	Epoxy	Slab	Barrier	Slip Form	Plain	Epoxy
W5	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	1,852	0	0	1,852
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
By Type	0	0	0	1,852	0	0	1,852

All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

U.I.P. AND REHABILITATE EXISTING (40'-52'-40') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS



TYPICAL SECTION THRU EXISTING DECK

Estimated Quantities		
Item	Linear foot	Total
Curb Blockout		270

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
 Bridge Deck Rating = 6

Design Loading:

HS15-44 Modified (1965). HS20-44 (New Construction)

Design Unit Stresses:

Class B-1 Concrete (Curb Blockout) $f'c = 4,000 \text{ psi}$
 Reinforcing Steel (Grade 60) $f_y = 60,000 \text{ psi}$

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

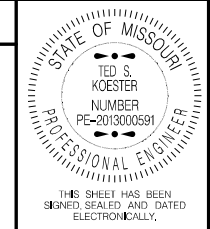
In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: ROUTE F OVER RIPPEE CREEK

ROUTE F FROM ROUTE V TO ROUTE EE
 ABOUT 3.8 MILES SOUTH OF ROUTE V
 BEGINNING STATION 405+50.50± (Match Existing)



DATE PREPARED
 8/8/2024

ROUTE F STATE MO

DISTRICT BR SHEET NO. 1

COUNTY WRIGHT

JOB NO. 19S3695

CONTRACT ID.

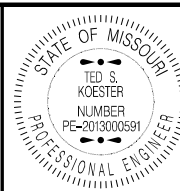
PROJECT NO.

BRIDGE NO. A22601

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
8/8/2024

ROUTE STATE
F MO

DISTRICT SHEET NO.
BR 2

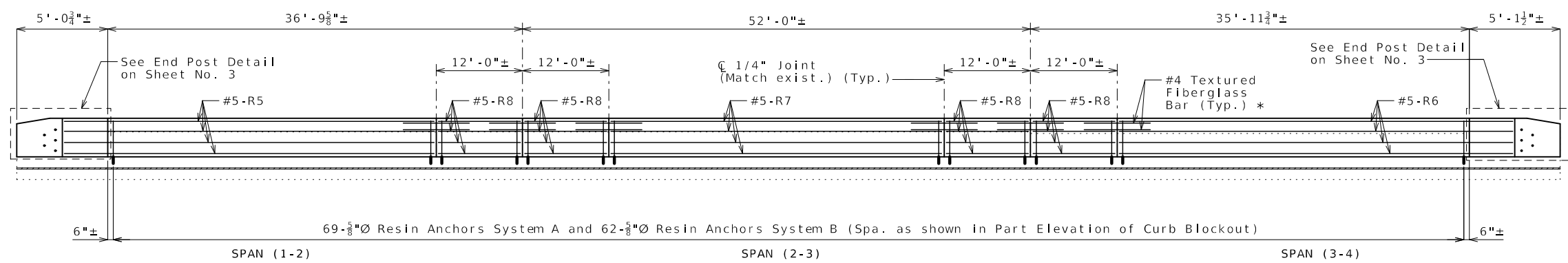
COUNTY
WRIGHT

JOB NO.
19S3695

CONTRACT ID.

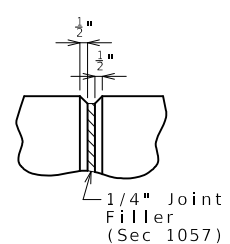
PROJECT NO.

BRIDGE NO.
A22601

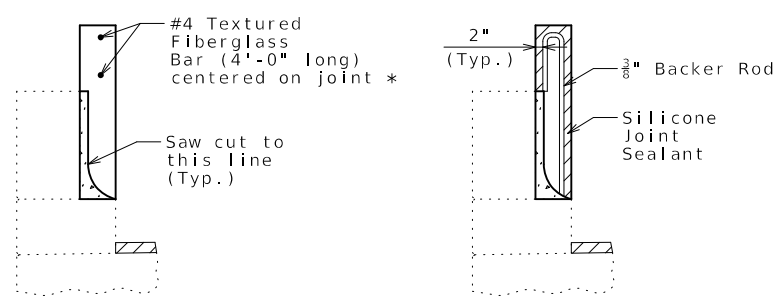


ELEVATION OF LEFT CURB BLOCKOUT
(Right curb blockout similar by 180° rotation)

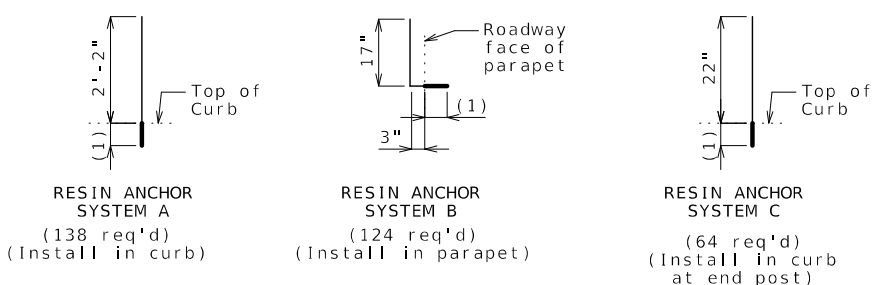
Longitudinal dimensions are along grade and are taken at top outside edge of parapet.



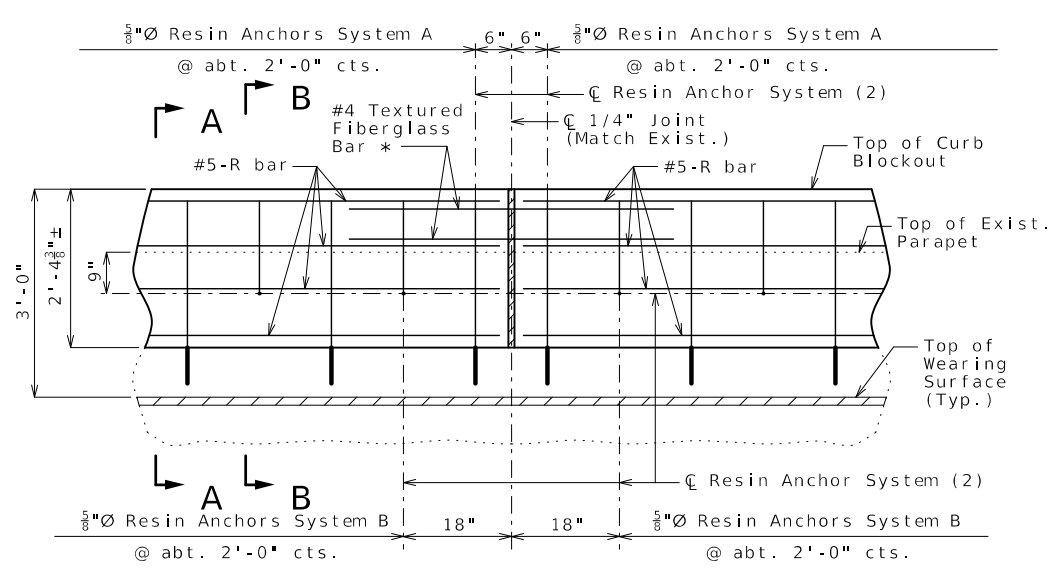
PART ELEVATION AT FORMED JOINT



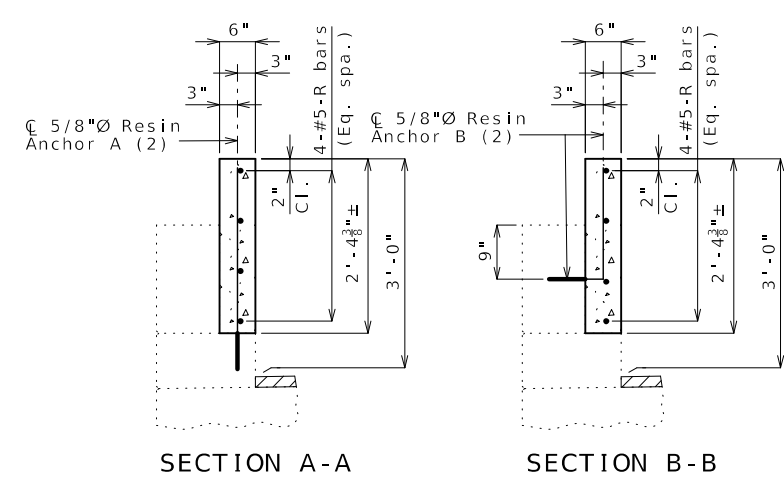
SECTION THRU SAW CUT JOINT



DETAILS OF RESIN ANCHORS
(1) Use manufacturer's embedment length (5" minimum embedment).



PART ELEVATION OF CURB BLOCKOUT



CURB BLOCKOUT

Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Bridge rail not shown for clarity.

Concrete in curb blockout shall be Class B-1.

Measurement of curb blockout is to the nearest linear foot, measured at the top outside edge of parapet. (Match existing curb and parapet)

All exposed edges of curb blockout shall have either a 1/2-inch radius or 3/8-inch bevel, unless otherwise noted.

Payment for concrete, reinforcement, resin anchor systems and any other work incidental to the curb blockout, complete in place, will be considered completely covered by the contract unit price for Curb Blockout per linear foot.

Cost of any concrete curb or parapet repair will be considered completely covered by the contract unit price for Curb Blockout.

All curb blockout reinforcement shall be epoxy coated.

(2) Shift resin anchors where necessary to clear existing anchor bolts for bridge rail, miss curb outlets (if present) and clear existing reinforcement.

Use a minimum lap of 3'-1" for #5 horizontal curb blockout bars.

Concrete traffic barrier delineators shall be placed on top of the curb blockout similarly as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Curb Blockout.

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

The minimum embedment depth in concrete with f'c = 4,000 psi for the resin anchor system shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5 inches.

An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8 inch threaded rod.

For slip-formed option, both sides of the curb blockout shall have a vertically broomed finish and the top shall have a transversely broomed finish.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





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ELECTRONICALLY.

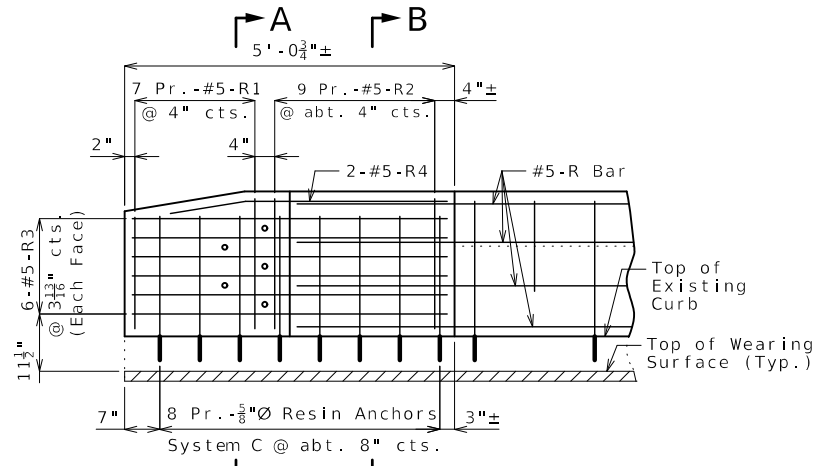
DATE PREPARED
8/8/2024

ROUTE F	STATE MO
DISTRICT BR	SHEET NO. 3

COUNTY
WRIGHT
JOB NO.
J9S3695
CONTRACT ID.

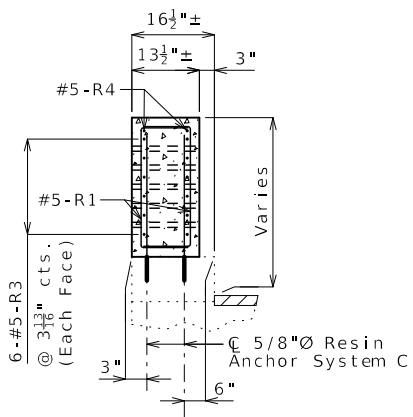
PROJECT NO.

BRIDGE NO.
A22601

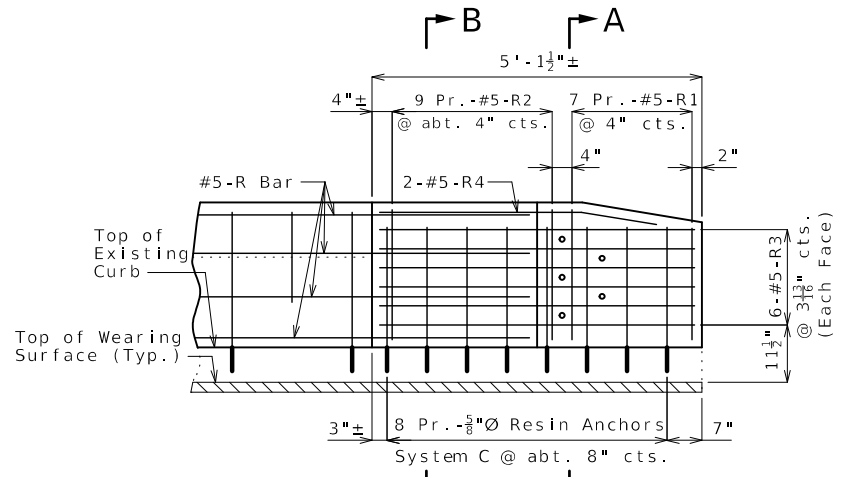


ELEVATION SHOWING REINFORCEMENT

(Right End Post at End Bent No. 4 similar)

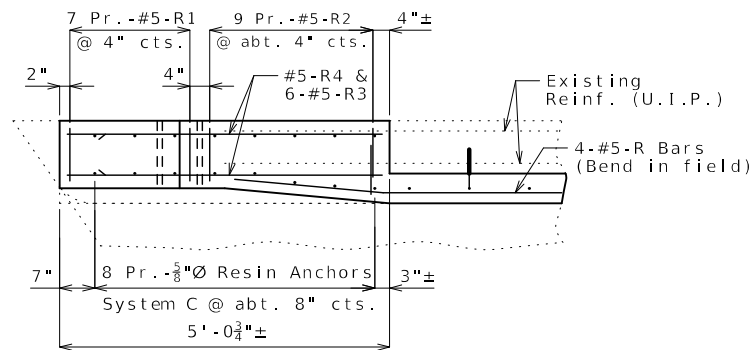


SECTION A-A



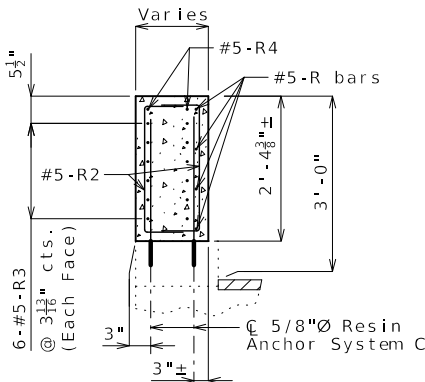
ELEVATION SHOWING REINFORCEMENT

(Right End Post at End Bent No. 1 similar)

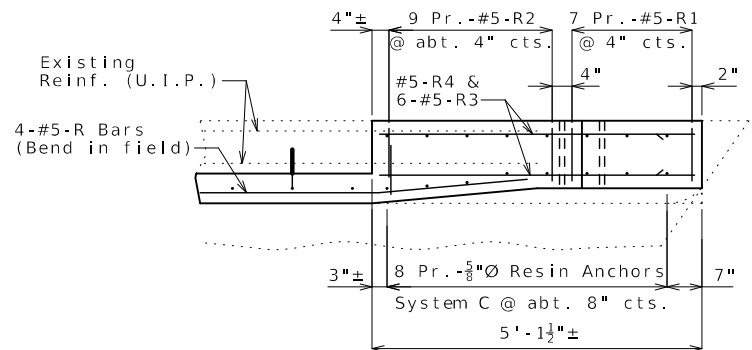


PLAN SHOWING REINFORCEMENT

LEFT END POST AT END BENT NO. 1

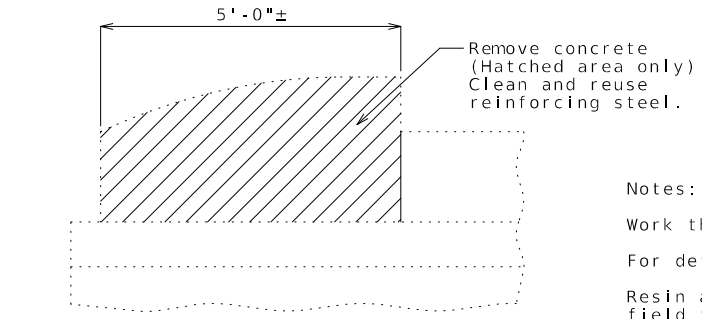


SECTION B-B



PLAN SHOWING REINFORCEMENT

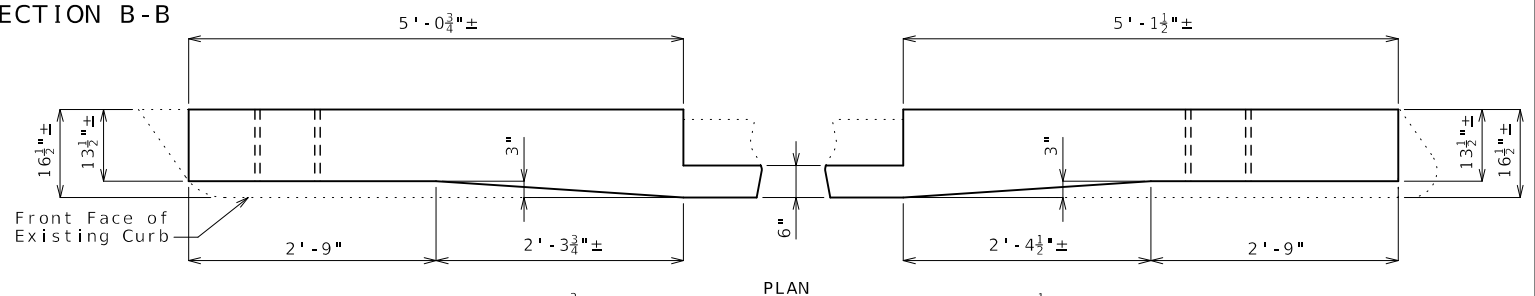
LEFT END POST AT END BENT NO. 4



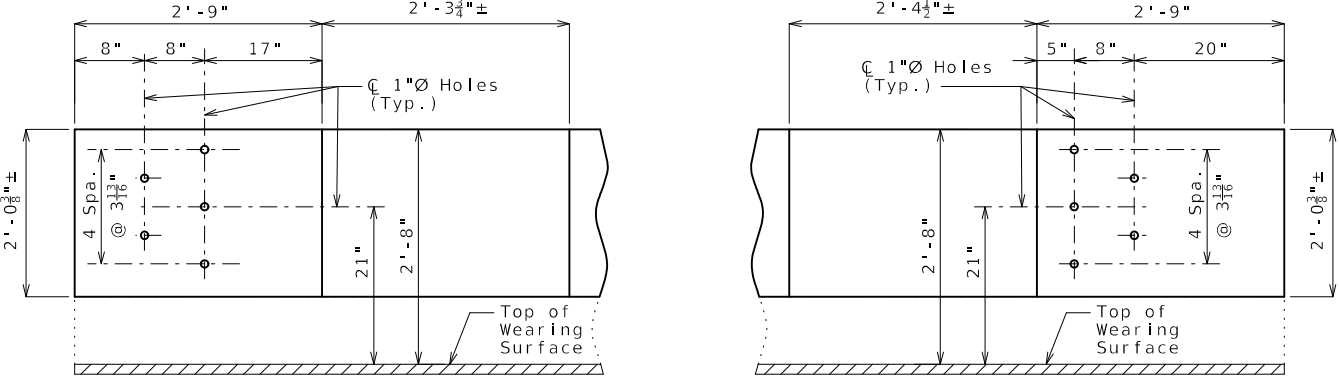
PART ELEVATION SHOWING END POST
CONCRETE REMOVAL

Cost of removing existing end posts will be considered completely covered by the contract unit price for Curb Blockout.

- Notes:
- Work this sheet with Sheet No. 2.
 - For details of resin anchors, see Sheet No. 2.
 - Resin anchors shall be shifted or bent in field to clear one-inch diameter holes by at least 1/2 inch.



PLAN



ELEVATION

CURB BLOCKOUT AT END BENTS

DETAILS OF LEFT END POST AND GUARD RAIL ATTACHMENT

DESCRIPTION

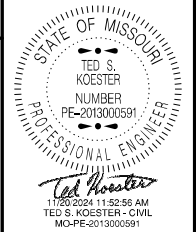
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



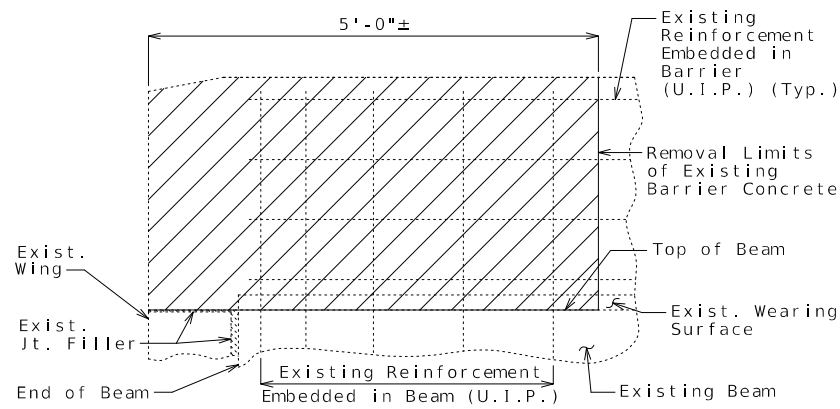
U.I.P. & REHABILITATE EXISTING (45', 75') SIMPLE PRESTRESSED CONCRETE CORED SLAB SPANS (SKEW: 20°00'00" R.A.)

SEC/SUR 3 TWP 29N RGE 16W

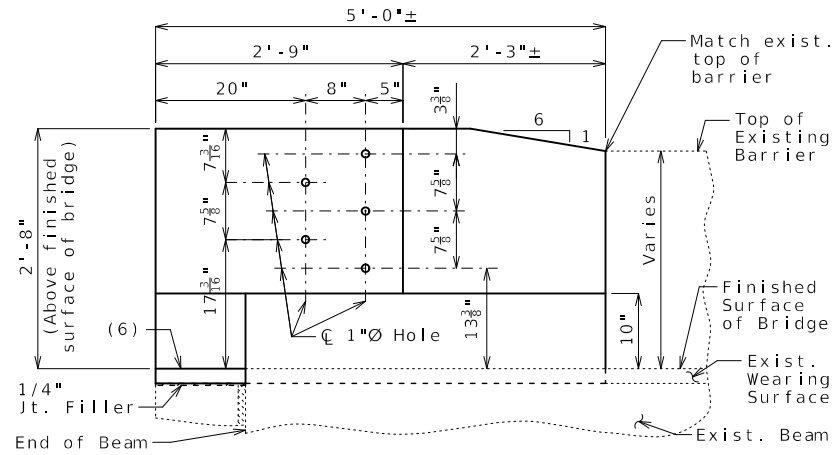


DATE PREPARED
11/20/2024
ROUTE F STATE MO
DISTRICT BR SHEET NO. 1

COUNTY
WRIGHT
JOB NO.
J9S3695
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
B04631

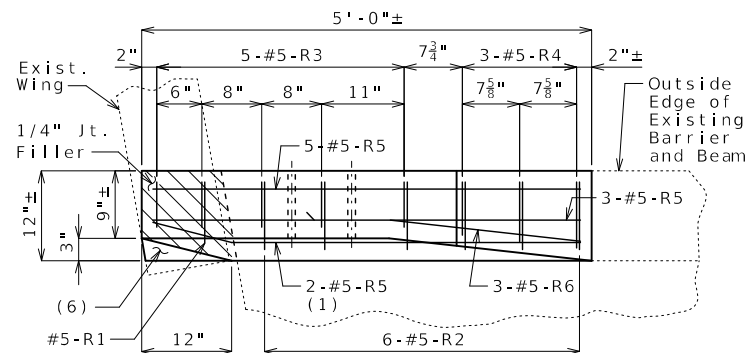


PART ELEVATION SHOWING CONCRETE REMOVAL

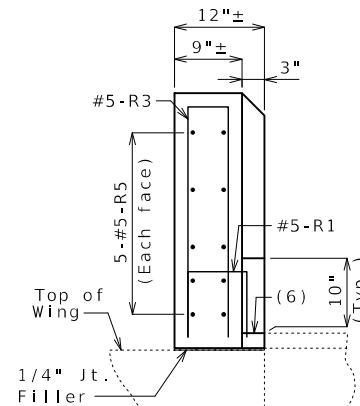


ELEVATION

Estimated Quantities		
Item	each	Total
End Post Modification	4	



PLAN (3)



ELEVATION A-A

- (1) Bend in field.
- (2) 2 Spa. @ 4 1/2"
- (3) Existing reinforcement not shown for clarity.
- (4) Existing longitudinal reinforcement not shown for clarity.
- (5) Existing reinforcement embedded in beam (U.I.P.) (Bend in field as needed) (Typ.)
- (6) Fill with mortar or concrete.

General Notes:

Design Specifications:
2002 AASHTO LFD (17th Ed.) Standard Specifications

Design Unit Stresses:
Class B-1 Concrete $f'c = 4,000$ psi
Reinforcing Steel (Grade 60) $f_y = 60,000$ psi

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

Miscellaneous:
One lane of traffic shall remain open during construction. See roadway plans for traffic control.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise shown.

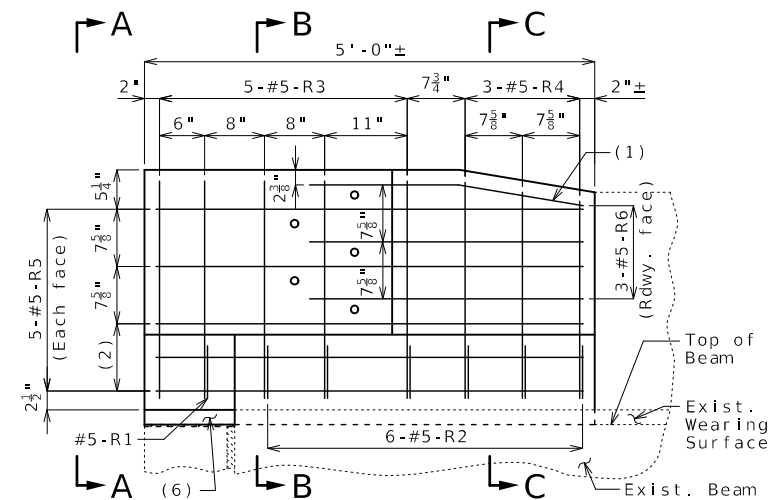
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

All reinforcement in barrier end modification shall be epoxy coated.

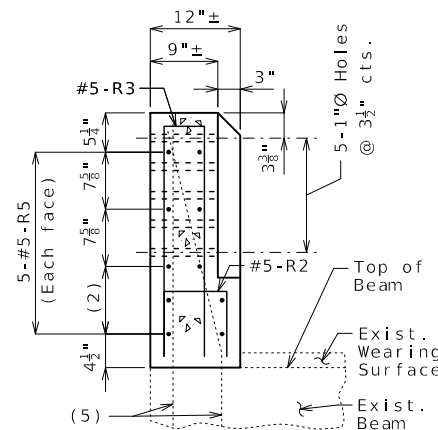
Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with a qualified special mortar in accordance with Sec 704.

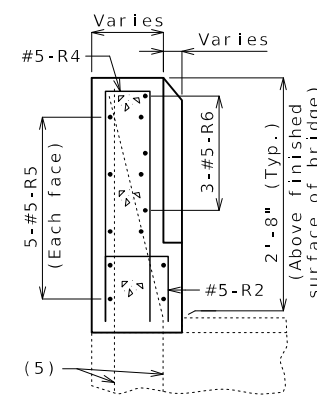
Cost of removing existing barrier concrete, and cost of furnishing and installing new concrete, new reinforcing steel, and any other work incidental to the barrier end modification, complete in place, will be considered completely covered by the contract unit price for Barrier End Modification.



ELEVATION SHOWING REINFORCEMENT (3)



SECTION B-B (4)



SECTION C-C (4)

BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

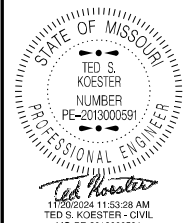
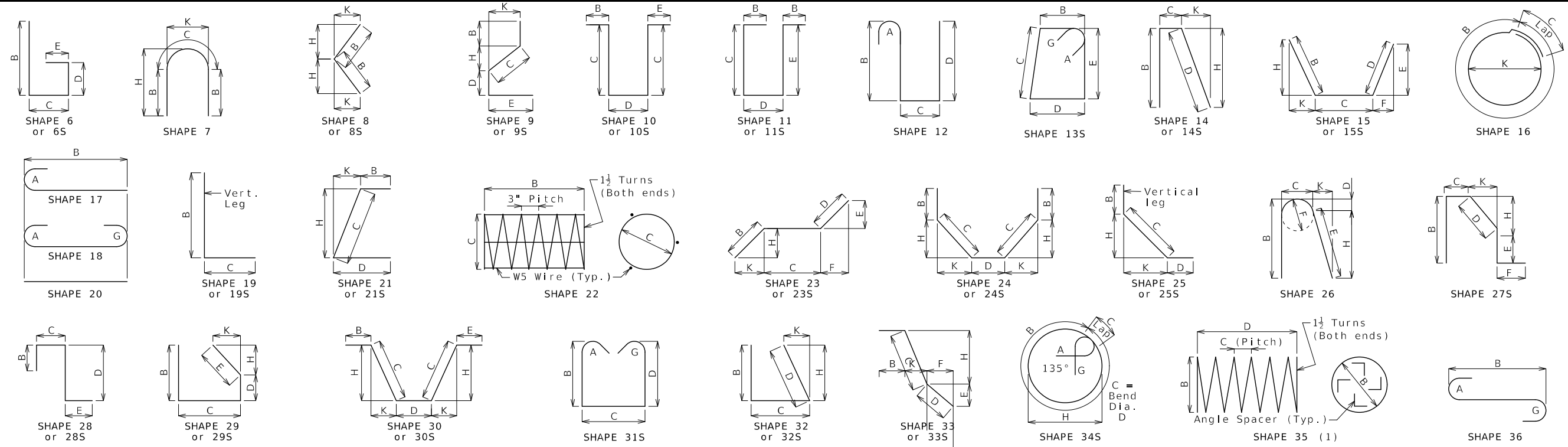
REPAIRS TO BRIDGE:
ROUTE F OVER WOODS FORK

ROUTE F FROM ROUTE V TO ROUTE 38
ABOUT 2.0 MILES NORTH OF ROUTE V
BEGINNING STATION 99+96.18± (MATCH EXISTING)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED
11/20/2024

ROUTE
F

DISTRICT
BR

COUNTY
WRIGHT

JOB NO.
J9S3695

CONTRACT ID.

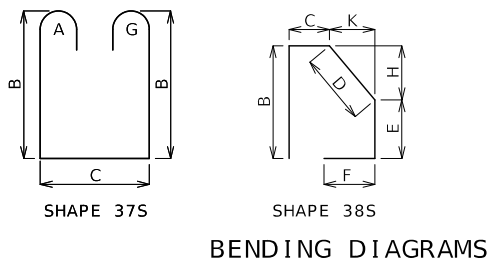
PROJECT NO.

BRIDGE NO.
B04631

Finished Bend Diameters D and Hook Dimensions							
Standard Pin Bend Shapes							
Size	Case	D	A or G		J	Bend Angle	
			90°	180°		90°	180°
#4	1	3"	8"	6"	4"	90°	180°
#5	1	3 3/4"	10"	7"	5"	90°	180°
#6	1	4 1/2"	12"	8 1/4"	6"	90°	180°
#7	2	5 1/4"	14"	9 3/4"	7"	90°	180°
	3	7"	15"	11 1/2"	8 3/4"	90°	180°
#8	2	6"	16"	11"	8"	90°	180°
	3	8"	17"	13 1/4"	10"	90°	180°
#9	1	9 1/2"	19 1/2"	15 1/2"	11 1/4"	90°	180°
#10	1	10 3/4"	22"	17 1/2"	13 1/4"	90°	180°
#11	1	12"	24 1/2"	19 1/2"	14 7/8"	90°	180°
#14	1	18 1/4"	31 1/4"	27 1/2"	21 3/8"	90°	180°
#18	1	24"	41 1/2"	36 1/4"	28 1/2"	90°	180°

Stirrup Pin Bend Shapes (S)								
Size	Case	D	A or G		H	J	Bend Angle	
			90°	135°			180°	135°
#4	2	2"	4 1/4"	4 1/2"	5"	2 3/8"	3"	90°
	3	3"	5"	5 1/4"	6"	3"	4"	135°
#5	2	2 1/2"	5 3/4"	5 3/4"	5 3/4"	3 3/8"	3 3/4"	90°
	3	3 3/4"	6 1/4"	6 1/2"	7"	3 3/8"	5"	135°
#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 3/8"	6"	90°

Applicable for all grades of steel.
Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.



BENDING DIAGRAMS

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

All bars shall be Grade 60.

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.
SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

All dimensions are out to out.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

(1) Shall be a deformed or plain spiral bar or wire.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

By Size	Reinforcing Steel Totals (Pounds)							
	Substructure		Superstructure			Entire Bridge		
	Plain	Epoxy	Slab	Barrier	Slip Form	Plain	Epoxy	
4	0	0	0	0	0	0	0	
5	0	0	0	473	0	0	473	
6	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	
By Type	0	0	0	473	0	0	473	

All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.

No. Req.	Size/Mark	Location	Codes	Dimensions								Nom. Length	Actual Length	Weight	
				B	C	D	E	F	H	K					
				ft in.	ft in.	ft in.	ft in.	ft in.	ft in.	ft in.					
		End Post Mod.													
4	5 R1	MODIFIED END	E 10S		9.00	8.00						2 2	1 11	8	
24	5 R2	MODIFIED END	E 10S		9.00	9.00						2 3	2 0	50	
20	5 R3	MODIFIED END	E 10S		2 7.00	6.00						5 8	5 5	113	
12	5 R4	MODIFIED END	E 10S 4		2 6.75	7.00						5 9	5 6	67	
		Incr. = 2.000"			2 4.25	8.50						5 5	5 2	67	
40	5 R5	MODIFIED END	E 20	4 9.00								4 9	4 9	198	
12	5 R6	MODIFIED END	E 15S	11.25	2 1.50				1.25	11.25		3 1	2 11	37	

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

