DESIGN DESIGNATION ROUTE C - W/O RR AVE.

A.A.D.T. - 2025 = 1749 A.A.D.T. - 2035 = 2117 T = 10.26% V = 55 M.P.H.

ROUTE C - E/O RR AVE.

A.A.D.T. - 2025 = 538 A.A.D.T. - 2035 = 566 T = 7.71% V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION-MAJOR COLLECTOR

DESIGN DESIGNATION ROUTE PP

A.A.D.T. - 2025 = 466 A.A.D.T. - 2035 = 490 T = 6.29% V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION-MAJOR COLLECTOR

DESIGN DESIGNATION ROUTE HH

A.A.D.T. - 2025 = 645 A.A.D.T. - 2035 = 667 T = 7.31% V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION-MINOR COLLECTOR

NO NEW R/W REQUIRED

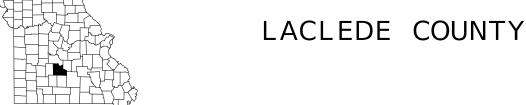
CONVENTIONAL SYMBOLS

(USED IN PLAN	15)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	□□=□ 0000 0000 R □□ ○	••••
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FO OTV UTV UTV UT OE UE SS - G - W UT UT OE OT - OT - OT - OT - OT - OT	-F0- -OTV- -UTV- -OT- -UT- -OE- -S- -SS- -G-
MANHOLE	SAN E)
FIRE HYDRANT	wv C	1
WATER VALVE	w ^v C)
WATER METER	₩")
DROP INLET	°[=	
DITCH BLOCK	-	=
GROUND MOUNTED SIGN	SIGN	_
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE	PED	7
CHAIN LINK WOVEN WIRE GATE POST	—— x	: —— : ——
BENCHMARK	BM)

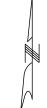
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

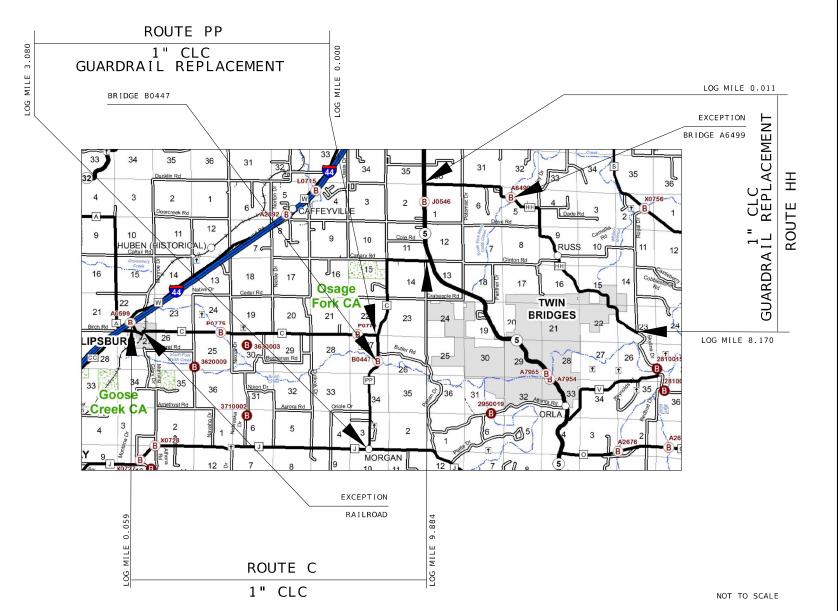
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY



LOCATION OF LACLEDE 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 NUMBE
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (5 SHEETS)	3
SPECIAL SHEETS (SS)	4 - 7
TRAFFIC CONTROL SHEETS (TC)	8 - 14
SIGNING (SN)	15
BRIDGE DRAWINGS (B)	
B04471	4

JIME OF	MISSOFIL							
RYAN JOSEPH LIBERT NUMBER NUMB								
RYAN JOSEPH MO-PE-20	LIBBERT - CIVIL 106019679							
	REPARED							
	2024							
ROUTE STATE								
C/PP/HH	MO							
C/PP/HH DISTRICT CD	MO SHEET NO. 1							
C/PP/HH DISTRICT CD	MO SHEET NO.							
C/PP/HH DISTRICT CD COU LACI	MO SHEET NO. 1 NTY EDE							
C/PP/HH DISTRICT CD COU LACI	MO SHEET NO. 1							
C/PP/HH DISTRICT CD COU LACI JOB J CD0	MO SHEET NO. 1 NTY EDE NO. 0048							
C/PP/HH DISTRICT CD COU LACI	MO SHEET NO. 1 NTY EDE NO. 0048							
C/PP/HH DISTRICT CD COU LACI JOB J CDO CONTRA	MO SHEET NO. 1 NTY EDE NO. 0048							

LENGTH OF PROJECT ROUTE C

BEGINNING OF PROJECT	LOG MILE 0.059
END OF PROJECT	LOG MILE 9.884
APPARENT LENGTH	51,876.0 FEET
EQUATIONS AND EXCEPTIONS:	
RAILROAD CROSSING	
LOG MILE 0.572 TC	LOG MILE 0.583

LENGTH OF PROJECT ROUTE PP

LENGTH

BEGINNING OF PROJECT	LOG MILE 0.000
END OF PROJECT	LOG MILE 3.080
APPARENT LENGTH	16,262.40 FEET
EQUATIONS AND EXCEPTIONS.	

EQUATIONS AND EXCEPTIONS:

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

BRIDGE B0447

LOG MILE 0.711 TO LOG MILE 0.757

LENGTH 242.8 FEET

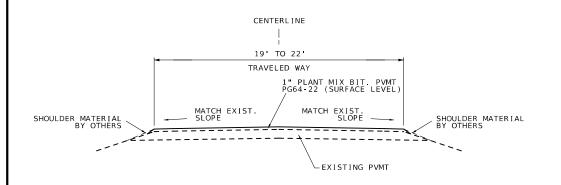
58.1 FEET

0 ACRES

LENGTH OF PROJECT ROUTE HH

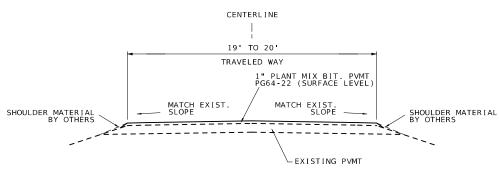
NOOTE III	•
BEGINNING OF PROJECT	LOG MILE 0.011
END OF PROJECT	LOG MILE 8.170
APPARENT LENGTH	43079.52 FEET
EQUATIONS AND EXCEPTIONS:	
BRIDGE A6499	
LOG MILE 2.475	TO LOG MILE 2.507
LENGTH	168.9 FEET
TOTAL CORRECTIONS	469.80 FEET
NET LENGTH OF PROJECT	110,748.12 FEET
STATE LENGTH	20.97 MILES





TYPICAL SECTION ROUTE C

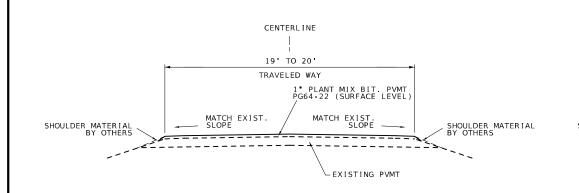
LOG MILE 0.059 TO LOG MILE 0.379



TYPICAL SECTION ROUTE C

LOG MILE 0.379 TO LOG MILE 9.884

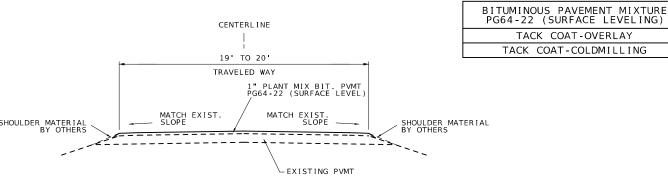
RAILROAD CROSSING EXCEPTION - LOG MILE 0.572 TO LOG MILE 0.583



TYPICAL SECTION ROUTE PP

LOG MILE 0.000 TO LOG MILE 3.080

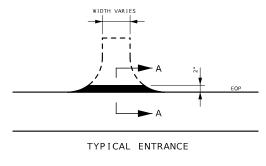
BRIDGE B0447 - LOG MILE 0.684 TO LOG MILE 0.735



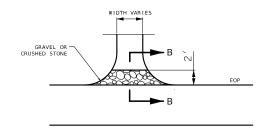
TYPICAL SECTION ROUTE HH

LOG MILE 0.011 TO LOG MILE 8.170

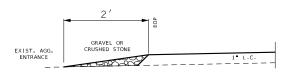
BRIDGE A6499 EXCEPTION - LOG MILE 2.475 TO LOG MILE 2.516



SECTION A-A TYPICAL PAVED ENTRANCE



TYPICAL ENTRANCE



SECTION B-B TYPICAL AGGREGATE ENTRANCE (TAPER 1:1 AT FIELD ENTRANCES)

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

TYPICAL SECTION SHEET SHEET 1 OF 1

2.060 TON/YD3

.08 GAL/YD²

.10 GAL/YD²

TACK COAT-OVERLAY

TACK COAT-COLDMILLING

NUMBER 8/6/2024 C/PP/HH MO SHEET NO CD 2 LACLEDE JCD0048 CONTRACT ID. PROJECT NO BRIDGE NO.



			RE	MOVAL OF	IMPROVEMENTS	
APPROX.						
LOG MILE			QTY	QTY		
FROM	ТО	LOCATION	(FT)	(EACH)	DESCRIPTION	REMARKS
ROUTE C	<u> </u>		'		•	
2.600		RTE. C LT. & RT.		4	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
2.676		RTE. C LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
6.189		RTE. C LT. & RT.		4	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
6.553		RTE. C LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
6.611		RTE. C RT.		1	SIGN	W1-1 SIGN ONLY
8.573		RTE. C LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
ROUTE HH						
1.376		RTE HH LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
2.417	2.475	RTE HH. RT.	245		GUARDRA I L	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.436	2.475	RTE. HH LT.	175		GUARDRA I L	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.516	2.544	RTE. HH RT.	245		GUARDRA I L	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.516	2.561	RTE. HH LT.	175		GUARDRA I L	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.898		RTE HH LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
4.138		RTE HH LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
5.557		RTE HH LT. & RT.		2	OBJECT MARKERS	INCLUDES SIGNS AND POSTS
		TOTAL	840	23		
		USE	1 LUMF	SUM		

		GRAVEL	(A), CRUSHED S	STONE (B)
APPROX.			GRAVEL, CRUSHED	
LOG MILE			STONE	
FROM	TO	LOCATION	(TON)	REMARKS
ROUTE C				
0.059	9.884	ROUTE C	520.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE.
ROUTE PP				
0.000	3.080	ROUTE PP	135.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE.
ROUTE HH				
0.000	8.170	ROUTE HH	360.00	GRAVEL ENTRANCES FROM BEGIN RTE. TO END RTE.
		TOTAL	1015.00	
		USE	1015	

				BITUMI	NOUS P	AVEMENT QUA	ANTITIES	- ROUTE C
APPROX.				AVG.		SURF. LEVEL		
LOG MILE			LENGTH	WIDTH	DEPTH	PG 64-22	TACK	
FROM	TO	LOCATION	(FT)	(FT)	(IN)	(T)	(GAL)	REMARKS
0.059	0.090	ROUTE C	163.68	22.00	1.00	22.89	40.01	BEGIN ROUTE
0.090	0.379	ROUTE C	1,525.92	22.00	1.00	213.44	298.40	FROM BEGIN ROUTE TO SECOND STREET
0.298		ROUTE CC	2,775.00		1.00	17.64	24.67	
0.379	0.572	ROUTE C	1,019.04	20.00	1.00	129.58	181.16	FROM SECOND STREET TO R/R CROSSING
0.583	9.884	ROUTE C	49,109.28	20.00	1.00	6,244.76	8,730.54	FROM R/R CROSSING TO END ROUTE
			820.00	2.00	1.00	10.43	14.58	PAVED ENTRANCES - ROUTE C
						1,321.08		20% FOR IRREGULARITIES
					TOTAL	7,959.82	9,289.36	SEE TYPICAL SECTION SHEET FOR ESTIMATE FACTORS
					USE	7,959.8	9,289	

MOBILIZATION

1 LUMP SUM

AYS AND TRANSPORTATION	DATE	DESCRIPTION					[C.		IIIM.	mar.
SOMMISSION										PROTITION	2111
			BR	PR		LA	ric D	υтε Р / I	DAT 8 /	61	ATE R
LΩ			IDO	OJE	CS	COL COL JOB			E PI	NUN -200	OF YAN
			SE 1	СТ	00	LΕ			REPA	/BEF 6019 A \ 	M/ JOSE BERT
105 WEST CAPITOL			NO.	NO.		DE			RED	679 679	کری
JEFFERSON CITY, MO 65102							т NO 3	ATE O		W CIVIL	
3-ASK-MODOT (1-888-275-6636)).			IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	HILIMA

				BITUMIN	IOUS PA	AVEMENT QUA	NTITIES	- ROUTE PP
APPROX.				AVG.		SURF. LEVEL		
LOG MILE			LENGTH	WIDTH	DEPTH	PG 64-22	TACK	
FROM	TO	LOCATION	(FT)	(FT)	(IN)	(⊤)	(GAL)	REMARKS
0.000	-	ROUTE PP	3,140.00		1.00	19.96	27.91	SEE SPECIAL SHEET
0.000		ROUTE PP	1,330.00		1.00	8.46	11.82	SEE SPECIAL SHEET
0.014	0.684	ROUTE PP	3,537.60	20.00	1.00	449.84	628.91	FROM BEGIN ROUTE TO BRIDGE B0447
0.735	3.080	ROUTE PP	12,381.60	20.00	1.00	1,574.45	2,201.17	FROM BRIDGE B0447 TO END ROUTE
			50.00	2.00	1.00	0.64	0.89	PAVED ENTRANCES - ROUTE PP
						410.54		20% FOR IRREGULARITIES
					TOTAL	2,463.89	2,870.70	SEE TYPICAL SECTION SHEET FOR ESTIMATE FACTORS
				<u> </u>	USE	2,463.9	2,871	

	BITUMINOUS PAVEMENT QUANTITIES - ROUTE HH											
APPROX.				AVG.		SURF. LEVEL						
LOG MILE			LENGTH	WIDTH	DEPTH	PG 64-22	TACK					
FROM	TO	LOCATION	(FT)	(FT)	(IN)	(T)	(GAL)	REMARKS				
0.011	2.475	ROUTE HH	13,009.92	20.00	1.00	1,654.35	2,312.87	FROM BEGIN ROUTE TO BRIDGE A6499				
2.507	8.170	ROUTE HH	29,900.64	20.00	1.00	3,802.18	5,315.67	FROM BRIDGE A6499 TO END ROUTE				
			690.00	2.00	1.00	8.77	12.27	PAVED ENTRANCES - ROUTE HH				
						1,091.31		20% FOR IRREGULARITIES				
	•				TOTAL	6,556.61	7,640.81	SEE TYPICAL SECTION SHEET FOR ESTIMATE FACTORS				
	•				USE	6,556.6	7,641					

	BITUMINOUS PAVE	MENT QUANT	ITIES - AL	L ROUTES	
APPROX.			SURF. LEVEL		
LOG MILE			PG 64-22	TACK	
FROM	ТО	LOCATION	(T)	(GAL)	REMARKS
ROUTE C					
0.590	9.884	ROUTE C	7,959.82	9,289.36	
ROUTE PP					
0.000	3.080	ROUTE PP	2,463.90	2,871.00	
ROUTE HH					
0.011	8.170	ROUTE HH	6,556.60	7,641.00	
•	-	TOTAL	16,980.32	19,801.36	
	-	USE	16,980.3	19,801	

COLDMI	LLING B	ITUMINOUS	PAVEMENT FOR	REMOVAL OF	SURFACING (3 IN.	OR LESS)
APPROX.				AVG.		
LOG MILE			LENGTH	WIDTH	QUANTITY	
FROM	ТО	LOCATION	(FT)	(FT)	(SY)	REMARKS
ROUTE C		•	•			•
0.059	0.090	ROUTE C	163.7	22	400.2	BEGIN ROUTE
ROUTE PP					-	
0.699	0.711	ROUTE PP	63.4	20	140.9	BRIDGE B0447
0.757	0.768	ROUTE PP	58.1	20	129.1	BRIDGE B0447
				TOTAL	670.20	
				USE	670	

				GUARI	ORA I L		
			TRANSITION		TYPE A		
APPROX.			SECTION	MGS	C.E.T.	SHAPING SLOPES	
LOG MILE			6.5 FT. POSTS	GUARDRAIL	(MASH)	CLASS III	
FROM	TO	LOCATION	(EA)	(LF)	(EA)	(100 FT)	REMARKS
ROUTE HH							
2.475		RTE HH LT.	1	100.0	1	0.75	BR A6499
2.475		RTE HH RT.	1	100.0	1	0.75	BR A6499
2.516		RTE HH LT.	1	100.0	1	0.75	BR A6499
2.516		RTE HH RT.	1	100.0	1	0.75	BR A6499
		TOTAL	4	400.0	4	3	SEE SPECIAL SHEET FOR DETAILS.
		USE	4	400.0	4	3	SEE SPECIAL SHEET FOR BETATES.



			PAVEM	ENT MARKI	NG - ROU	TE C			
					ATERBORNE	PAVEMENT TYPE P BEAD)5	PREFORMED THERMOPLASTIC	
				4"	4"	4"	24"	THE WHOLE AS THE	
APPROX.				SOL I D	INT.	SOLID	SOLID	R/R CROSSING	
LOG MILE			LENGTH	WHITE	YELLOW	YELLOW	WHITE	MARKER	
FROM	TO	LOCATION	(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	REMARKS
ROUTE C 0.059	0 072	DOUTE CLT C DT	69.64	137.28		I			I
0.039	0.072	ROUTE C LT. & RT. ROUTE C RT.	68.64 987.36	987.36		1,974.72			EDGEL I NE
0.090	0.480	ROUTE C LT.	2,059.20	2,059.20		1,374.72			EDGEL INE
0.059	0.480	ROUTE C	2,222.88			4,445.76			CENTERLINE
0.297	0.480	ROUTE C RT.	966.24	966.24					EDGEL I NE
0.480		ROUTE C					10.00		STOP BAR
0.490	0.572	ROUTE C ROUTE C LT. & RT.	432.96	865.92			10.00		STOP BAR EDGELINE
0.490	0.572	ROUTE C	432.96	003.32		865.92			CENTERLINE
0.500		ROUTE C						1	
0.570		ROUTE C					10.00		STOP BAR
RAILROAD		ION - L.M. 0.572 T			T	1	1	ı	
0.583	6.690	ROUTE C RT.	32,244.96	32,244.96					EDGEL INE
0.583	9.884	ROUTE C LT.	49,109.28 1,700.16	49,109.28		3,400.32			EDGEL I NE CENTERL I NE
0.584	0.303	ROUTE C	1,,00.10			3,400.32	10.00		STOP BAR
0.650		ROUTE C						1	
0.905	1.263	ROUTE C	1,890.24		472.56	1,890.24			CENTERLINE
1.263	1.521	ROUTE C	1,362.24			2,724.48			CENTERLINE
1.521	1 681	ROUTE C ROUTE C	844.80 522.72		211.20 130.68	844.80			CENTERLINE
1.780	1.780	ROUTE C	633.60		158.40	633.60			CENTERL INE CENTERL INE
1 900	1.939	ROUTE C	205.92		51.48	033.00			CENTERLINE
1.939	2.039	ROUTE C	528.00		132.00	528.00			CENTERLINE
2.039	2.060	ROUTE C	110.88			221.76			CENTERLINE
2.060	2.199	ROUTE C	733.92		183.48	733.92			CENTERLINE
2.199	2.378	ROUTE C ROUTE C	945.12 839.52		209.88	1,890.24 839.52			CENTERL INE CENTERL INE
2.537	2.676	ROUTE C	733.92		183.48	639.32			CENTERLINE
2.676	2.816	ROUTE C	739.20		184.80	739.20			CENTERLINE
2.816	2.915	ROUTE C	522.72			1,045.44			CENTERL I NE
2.915	3.074	ROUTE C	839.52		209.88	839.52			CENTERLINE
3.074	3.114	ROUTE C	211.20		52.80	020.04			CENTERLINE
3.114	3 292	ROUTE C ROUTE C	939.84		234.96	939.84			CENTERL INE CENTERL INE
3.768	3.708	ROUTE C	844.80		211.20	844.80			CENTERLINE
3.928	3.987	ROUTE C	311.52		77.88				CENTERLINE
3.987	4.265	ROUTE C	1,467.84		366.96	1,467.84			CENTERL INE
4.265	4.326	ROUTE C	322.08			644.16			CENTERLINE
4.326	4.405	ROUTE C	417.12		104.28	417.12			CENTERLINE
4.405 4.424	4 424	ROUTE C ROUTE C	100.32 633.60		25.08 158.40	633.60			CENTERL INE CENTERL INE
4.544	4.564	ROUTE C	105.60		250.40	211.20			CENTERLINE
4.564	4.703	ROUTE C	733.92		183.48	733.92			CENTERLINE
4.703	5.360	ROUTE C	3,468.96			6,937.92			CENTERLINE
5.360	5.498	ROUTE C	728.64		182.16	728.64			CENTERLINE
5.498 5.518	5.518	ROUTE C ROUTE C	105.60 739.20		184.80	211.20 739.20			CENTERL INE CENTERL INE
5.658	6 115	ROUTE C	2,412.96		104.00	4,825.92			CENTERLINE
6.115	6.294	ROUTE C	945.12		236.28	945.12			CENTERLINE
6.294	6.314	ROUTE C	105.60		26.40				CENTERLINE
6.314	6.493	ROUTE C	945.12		236.28	945.12			CENTERLINE
6.493	9.110	ROUTE C RT	13,817.76	105.33		27,635.52			CENTERLINE
6.708 6.765	6.745 9.884	ROUTE C RT.	195.36 16,468.32	195.36 16,468.32					EDGEL I NE
9.110	9.884	ROUTE C RT.	839.52	10,400.32	209.88	839.52			CENTERLINE
9.269	9.448	ROUTE C	945.12		236.28				CENTERLINE
9.448	9.606	ROUTE C	834.24		208.56	834.24			CENTERLINE
9.606	9.897	ROUTE C	1,536.48			3,072.96			CENTERLINE
9.897		ROUTE C					10.00		STOP BAR
			TOTAL	103 033 02	5 063 52	82,251.84	50.00	2	
				103,033.92		,315	50.00	2	

M	ODIFIE	D COLDMILL	ING (E	DEPTH	TRANSIT	IONS)
APPROX.				AVG.		
LOG MILE			LENGTH	WIDTH	QUANTITY	
FROM	TO	LOCATION	(FT)	(FT)	(SY)	REMARKS
ROUTE C			•			
0.090	0.094	ROUTE C	25.0	22.0	61.1	BEGIN ROUTE
0.298		ROUTE CC	10.0	22.0	24.4	
8.729		OSTRICH DR.	10.0	20.0	22.2	
9.879	9.884	ROUTE C	25.0	20.0	55.6	END ROUTE
ROUTE PP						
0.689	0.699	ROUTE PP	50.0	20.0	111.1	BR B0447
0.768	0.777	ROUTE PP	50.0	20.0	111.1	BR B0447
3.070	3.080	ROUTE PP	50.0	20.0	111.1	END ROUTE
ROUTE HH						
0.011	0.020	ROUTE HH	50.0	20.0	111.1	BEGIN ROUTE
2.465	2.475	ROUTE HH	50.0	20.0	111.1	BR A6499
2.507	2.516	ROUTE HH	50.0	20.0	111.1	BR A6499
				TOTAL	829.90	
·				USE	830	

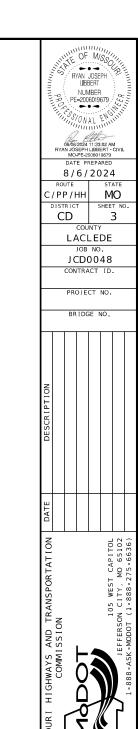
 DESCRIPTION						
		-		DIST	ROU	HILLS PROKING
		JC			JTE	PE
		DOB				AN
	CT SE N	NO O C CT	NTY _EI	S	20	M/ M/ JOSE BERT 111:33
		48	,	HEE	ST	SSO PH 679
		-			ATE	A CIVIL
						MINITERES

SUMMARY OF QUANTITIES
SHEET 3 OF 5

		PAVEMEN	NT MARKIN	G - ROUTE	PP		
					RBORNE PAVE		
					PAINT, TYPE		1
				4"	4"	4"	
APPROX.				SOL I D	INT.	SOL I D	
LOG MILE			LENGTH	WHITE	YELLOW	YELLOW	
FROM	TO	LOCATION	(FT)	(FT)	(FT)	(FT)	REMARKS
ROUTE PP							•
0.011	3.080	ROUTE PP LT. & RT.	16,204.32	32,408.64		32,408.64	EDGEL I NES
0.009	0.280	ROUTE PP	1,430.88		357.7	1,430.88	CENTERL I NE
0.280	0.379	ROUTE PP	522.72			1,045.44	CENTERLINE
0.379	0.519	ROUTE PP	739.20		184.8	739.20	CENTERLINE
0.519	0.599	ROUTE PP	422.40		105.6		CENTERL I NE
0.599	0.759	ROUTE PP	844.80		211.2	844.80	CENTERLINE
0.759	1.641	ROUTE PP	4,656.96			9,313.92	CENTERLINE
1.641	1.981	ROUTE PP	1,795.20		448.8	1,795.20	CENTERLINE
1.981	2.280	ROUTE PP	1,578.72			3,157.44	CENTERLINE
2.280	2.440	ROUTE PP	844.80		211.2	844.80	CENTERLINE
2.440	2.639	ROUTE PP	1,050.72		262.7		CENTERLINE
2.639	2.839	ROUTE PP	1,056.00		264.0	1,056.00	CENTERLINE
2.839	3.080	ROUTE PP	1,272.48			2,544.96	CENTERLINE
			TOTAL	22400 64	2046 00	FF101 20	
			TOTAL	32408.64	2046.00	55181.28	
			USE	32,409	5/	, 227	

		PAVEM	ENT MAR	KING - RC	DUTE HH			
					ATERBORNE PA	AVEMENT YPE P BEADS		
				4"	4"	4"	24"	1
APPROX.				SOL ID	INT.	SOLID	SOLID	
LOG MILE			LENGTH	WHITE	YELLOW	YELLOW	WHITE	
FROM	TO	LOCATION	(FT)	(FT)	(FT)	(FT)	(FT)	REMARKS
ROUTE HH					•			
0.005		ROUTE HH					10.00	STOP BAR
0.005	0.199	ROUTE HH	1,024.32			1,024.32		CENTERL I NE
0.011	8.170	ROUTE HH LT. & RT.	43,079.52	86,159.04				EDGEL I NE
0.199	0.259	ROUTE HH	316.80		79.2	316.80		CENTERL I NE
0.259	0.319	ROUTE HH	316.80		79.2			CENTERLINE
0.319	0.398	ROUTE HH	417.12		104.3	417.12		CENTERL I NE
0.398	3.520	ROUTE HH	16,484.16			32,968.32		CENTERLINE
3.520	3.680	ROUTE HH	844.80		211.2	844.80		CENTERLINE
3.680	3.759	ROUTE HH	417.12		104.3			CENTERLINE
3.759	3.938	ROUTE HH	945.12		236.3	945.12		CENTERLINE
3.938	8.170	ROUTE HH	22,344.96			44,689.92		CENTERLINE
			TOTAL	86,159.04	814.50	81,206.40	10.00	
			USE	86,159	82	,021	10	

		PAV	'EMENT	MARKING -	- ALL ROUT	ΓES			
				W	ATERBORNE P	PAVEMENT		PREFORMED	
				MARKIN	NG PAINT, T	YPE P BEADS		THERMOPLASTIC	
				4"	4"	4"	24"		1
APPROX.				SOL ID	INT.	SOLID	SOLID	R/R CROSSING	
LOG MILE			LENGTH	WHITE	YELLOW	YELLOW	WHITE	MARKER	
FROM	TO	LOCATION	(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	REMARKS
ROUTE C									
				103033.92	5063.52	82251.84	50	2	
ROUTE PP									
				32408.64	2046.00	55181.28	0	0	
ROUTE HH									-
				86159.04	814.50	81206.40	10	0	
			TOTAL	221601.60	7924.02	218639.52	60	2	
			USE	221,602	226	, 564	60	2	



SUMMARY OF QUANTITIES
SHEET 4 OF 5

															EFFECTIVE: 07-01-2024	минини
		TOTA	L QTY TOTAL	SIGN					QTY	TOTAL	S I GN					JULIE OF MIS
	SIZE	AREA QTY AREA	A RELOC RELOC	NUM.		SIZEARI	A QTY	TOTAL	RELOC	RELOC	NUM.					RYAN JOSEPI
SIGN	IN.	SQ.FT EACH SQ.FT	T EACH SQ FT		SIGN	IN. SQ.	T EACH	SQ.FT.	EACH	SQ.FT.			ITEM	TOTAL		NUMBER NUMBER
		WARNING	SIGNS	DESCRIPTION			GU I	DE SIG	NS			DESCRIPTION	NUMBER	QTY	DESCRIPTION	PE-200601967
	48X48			TURN (SYMBOL LEFT)	E05-1	36X48 12.						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	INSONAL E
	48X48			TURN (SYMBOL RIGHT)	E05-2	48X36 12.						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	a est
WO1 - 2L WO1 - 2R	48X48 48X48			CURVE (SYMBOL LEFT) CURVE (SYMBOL RIGHT)	E05-2a GO20-1	48X36 12 60X24 10		40			1	ROAD WORK NEXT XX MILES	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS) IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	08/06/2024 11:32:5: RYAN JOSEPH LIBBER
WO1-2K	48X48			REVERSE TURN (SYMBOL LEFT)	GO20-1	48X24 8 (32				END ROAD WORK	6122012		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	MO-PE-20060196 DATE PREPAR
WO1 - 3R	+			REVERSE TURN (SYMBOL RIGHT)	GO20 - 4	36X18 4.						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	8/6/20
WO1-4L	48X48			REVERSE CURVE (SYMBOL LEFT)		42X30 8.						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	C/PP/HH
WO1 - 4R	48X48			REVERSE CURVE (SYMBOL RIGHT)	⊣	18X12 1.		45				PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	DISTRICT SH
	48X48 R 48X48			DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT) DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	GO20 - 5a MO4 - 8a	P 36X24 6.0		24			54	WORK ZONE (PLAQUE) END DETOUR	6122030		IMPACT ATTENUATOR (RELOCATION) TRUCK MOUNTED ATTENUATOR (TMA)	CD
	48X48			TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4 - 8 a	48X36 12						DETOUR (LEFT)	6161008		ADVANCED WARNING RAIL SYSTEM	COUNTY
	R 48X48			TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4 - 9R	48X36 12.						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	JOB NO.
WO1 - 6	60X30	12.50		HORIZONTAL ARROW (SYMBOL)	MO4 - 9P	48X12 4.0	0					STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	JCD010
WO1-6a				HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L							DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	CONTRACT
WO1 - 7	60X30			DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4 - 10R	48X18 6.0		ULATOR	V CIC	NC L		DETOUR ARROW (RIGHT)	6161025	75	CHANNELIZER (TRIM LINE)	PROJECT N
WO1 - 7a WO1 - 8	72X36 18X24			DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR. CHEVRON (SYMBOL)	R1 - 1	48X48 13.		ULATOR	1 516	N5		STOP	6161030		TYPE III MOVEABLE BARRICADE DIRECTION INDICATOR BARRICADE	
WO1-8a	30X36			CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1 - 2	48TRI 6 9						YIELD	6161040		FLASHING ARROW PANEL	BRIDGE NO
WO3 - 1	48X48			STOP AHEAD (SYMBOL)	R1-2a	36X36 9 0						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER	
WO3 - 2	48X48			YIELD AHEAD (SYMBOL)	R1-3P	30X12 2.!						ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	1
WO3 - 3		16.00		SIGNAL AHEAD (SYMBOL)	R2 - 1	36X48 12.		96		<u> </u>	4,25	SPEED LIMIT XX (4@45, 4@55)	6161070	-	TUBULAR MARKER	1
WO3 - 4 WO3 - 5		16.00 5 80		BE PREPARED TO STOP 11 SPEED LIMIT AHEAD	R3 - 1 R3 - 2	48X48 16 . 48X48 16 .				-		NO RIGHT TURN (SYMBOL) NO LEFT TURN (SYMBOL)	6161095	-	RADAR SPEED ADVISORY SYSTEM CHANGEABLE MESSAGE SIGN.	1
WO3 - 3	48X48 48X48			MERGE (SYMBOL FROM LEFT)	R3 - 2	36X36 9 (NO TURNS	6161096		COMMISSION FURNISHED/RETAINED	NO
WO4 - 1R				MERGE (SYMBOL FROM RIGHT)	R3 - 4	48X48 16						NO U-TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN W/O COMM.	[E]
	48X48			MERGE (LEFT)	R3 - 7L	30X30 6.3						LEFT LANE MUST TURN LEFT	6161098	4	INTERFACE - CONTRACTOR FURNISHED/RETAINED	
	R 48X48			MERGE (RIGHT)	R3 - 7R	30X30 6.2						RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITH COMM.	ES(
WO5 - 1	48X48			ROAD/BRIDGE/RAMP NARROWS	R4 - 1	36X48 12.						DO NOT PASS	6161099		INTERFACE - CONTRACTOR FURNISHED/RETAINED	
WO5 - 3 WO5 - 5		16.00		ONE LANE BRIDGE NARROW LANES	R4 - 2 R4 - 7a	36X48 12.						PASS WITH CARE KEEP RIGHT (HORIZONTAL ARROW)	6162000	4	WORK ZONE TRAFFIC SIGNAL SYSTEM TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6 - 1	48X48			DIVIDED HIGHWAY (SYMBOL)	R4 - 8a	36X48 12.						KEEP LEFT (HORIZONTAL ARROW)	0102002		TEMPORARY TRAFFIC BARRIER	
WO6 - 2	48X48			DIVIDED HIGHWAY END (SYMBOL)	R5 - 1	30X30 6.3						DO NOT ENTER	6173600	O	CONTRACTOR FURNISHED/RETAINED	
WO6 - 3	48X48	16.00		TWO WAY TRAFFIC (SYMBOL)	R5 - 1a	36X24 6.0						WRONG WAY			TEMPORARY TRAFFIC BARRIER	
WO7 - 3 a	30X24			NEXT XX MILES (PLAQUE)	R6-1L	54X18 6.						ONE WAY ARROW (LEFT)	6173602	_	CONTRACTOR FURNISHED/COMMISSION RETAINED	TAG
WO8 - 1 WO8 - 2	48X48			BUMP DIP	R6 - 1R R6 - 2L	54X18 6.						ONE WAY (LEET)	6174000	_	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8 - 2 WO8 - 3		16.00		PAVEMENT ENDS	R6 - 2R	24X30 5.0						ONE WAY (LEFT) ONE WAY (RIGHT)	6175010	4	RELOCATING TEMPORARY TRAFFIC BARRIER TEMPORARY TRAFFIC BARRIER	NO
WO8 - 4		16.00		SOFT SHOULDER	R9 - 9	24X12 2.0						SIDEWALK CLOSED	6176000	3	COMMISSION FURNISHED/RETAINED	
WO8 - 5		16.00		SLIPPERY WHEN WET (SYMBOL)	1							SIDEWALK CLOSED AHEAD,			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	17.
WO8 - 6		16.00		TRUCK CROSSING	R9-11L	24X18 3.0	10					(ARROW LEFT) CROSS HERE	6177000	_	COMMISSION FURNISHED/RETAINED	Pog
WO8 - 6 c	48X48			TRUCK ENTRANCE	-11							SIDEWALK CLOSED AHEAD,	6208064	4	TEMPORARY RAISED PAVEMENT MARKER	SNS
WO8 - 7	36X36 36X36			LOOSE GRAVEL FRESH OIL / LOOSE GRAVEL	R9-11R R10-6	24X18 3.0 24X36 6.0						(ARROW RIGHT) CROSS HERE STOP HERE ON RED (45^ ARROW)	9029400		TEMPORARY TRAFFIC SIGNALS TEMPORARY TRAFFIC SIGNALS AND LIGHTING	A
	48X48			LOW SHOULDER		48X30 10						ROAD CLOSED	9029401		TEMPORARI TRAFFIC SIGNALS AND LIGHTING	o i
		16.00 44 704		36 UNEVEN LANES	11	10,50 101						ROAD CLOSED XX MILES AHEAD				ANI
WO8 - 12	48X48	16.00 22 352		35 NO CENTER LINE	R11-3a	60X30 12.	50					LOCAL TRAFFIC ONLY				S M
	48X48			GROOVED PAVEMENT	⊣	60X30 12.						ROAD CLOSED TO THRU TRAFFIC				
	30X24			MOTORCYCLE (PLAQUE) SHOULDER DROP-OFF (SYMBOL LEFT)		A 60X48 20.						FINE SIGN				∃ X \
	48X48 R 48X48			SHOULDER DROP-OFF (SYMBOL LEFT) SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-3	X 56X12 4.6		CELLAN	FOLIS	SIGNS		SPEEDING/PASSING (PLATE)				
I -	30X24			SHOULDER DROP-OFF (PLAQUE)	CONST-5	48X36 12.				J I GIVS	61	POINT OF PRESENCE				
I -	42RND.			RAILROAD CROSSING		96X48 32.						POINT OF PRESENCE				§ \S ((
	24X24			DOUBLE DOWN ARROW (SYMBOL)	CONST-8	48X36 12.	00 4	48			33	WORK ZONE NO PHONE ZONE				
	48X48			LOW CLEARANCE (SYMBOL)	41											Σ
	x 24X18 a 84X24			LOW CLEARANCE (PLAQUE) OVERHEAD LOW CLEARANCE (FEET AND INCHES)	+											
	120X60			LOW CLEARANCE (FEET AND INCHES)	1											1
	120X60			WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	1											1
	30X30			ADVISORY SPEED (PLAQUE)	1											1
	30X24			XXX FEET (PLAQUE)												1
	30X24			X MILE (PLAQUE)	41					-						1
	48X48 48X48	16.00 7 112		2 ROAD/BRIDGE/RAMP WORK AHEAD DETOUR AHEAD	+					+						1
I -	48X48			ROAD CLOSED AHEAD	616-10	0.05		TOTAL								
		16.00 9 144		7 ONE LANE ROAD AHEAD		RUCTION S	I GNS									1
	48X48			RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10	0.10				TOTAL						1
I -	48X48			2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	RELOCA	ATED SIGN	S			0						1
	48X48			RIGHT/CENTER/LEFT LANE CLOSED	4											1
	36X36	16.00 7 112 9.00		8 FLAGGER (SYMBOL) FRESH OIL	-											1
I -	48X48			SHOULDER WORK / SHOULDER WORK AHEAD	1											1
	48X48			BLASTING ZONE AHEAD	_									c	UMMARY OF QUANTITIES	1
I -	42X36			TURN OFF 2-WAY RADIO AND PHONE	_									3	•	1
I -	42X36		.	END BLASTING ZONE	4										SHEET 5 OF 5	1
<u> </u>	\(\frac{1}{1}\)	2.19 4 8.76	'	WET PAINT (ARROW PIVOTS)												

MISSON MI T NO.





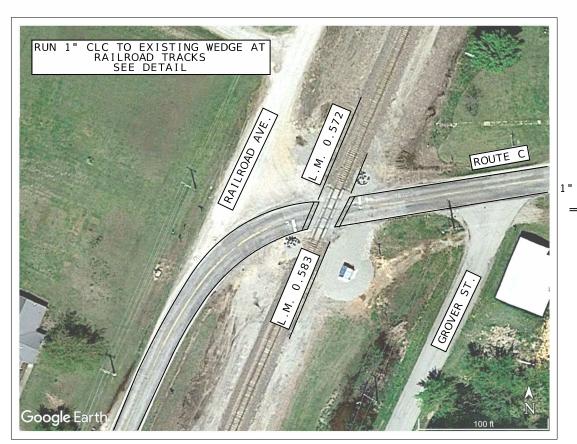
ROUTE C - BEGIN ROUTE - LOG MILE 0.090



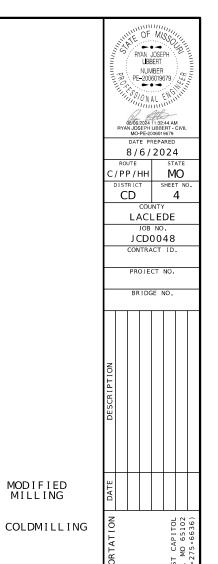
ROUTE C & RAILROAD AVE. - LOG MILE 0.379

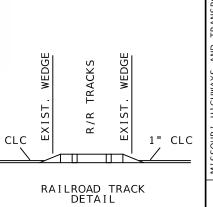


ROUTE CC - LOG MILE 0.298

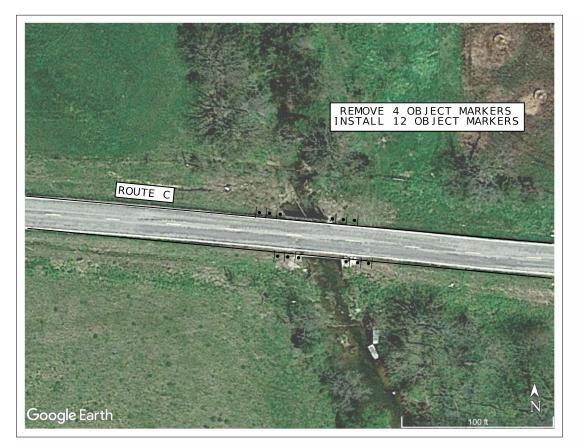


ROUTE C & R/R CROSSING - LOG MILE 0.578

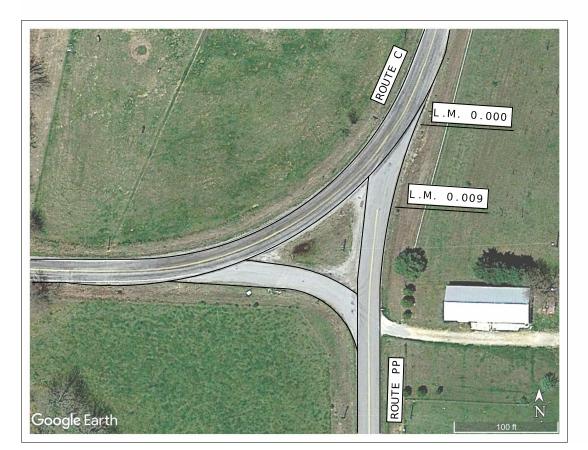




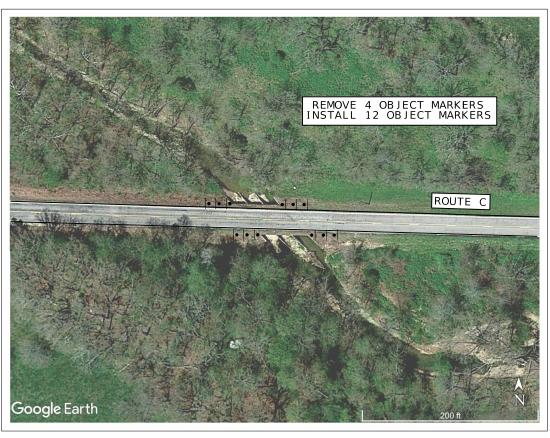
SPECIAL SHEET SHEET 1 OF 4



ROUTE C - BRIDGE CULVERT P0775 - LOG MILE 2.600



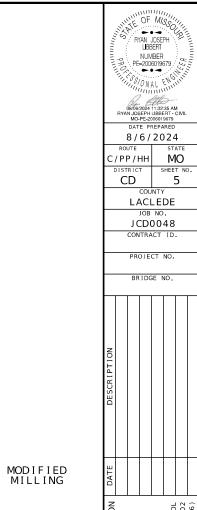
ROUTE C & ROUTE PP- LOG MILE 6.724



ROUTE C - BRIDGE CULVERT P0776 - LOG MILE 6.189



ROUTE C & OSTRICH DR. - LOG MILE 8.729





SPECIAL SHEET SHEET 2 OF 4



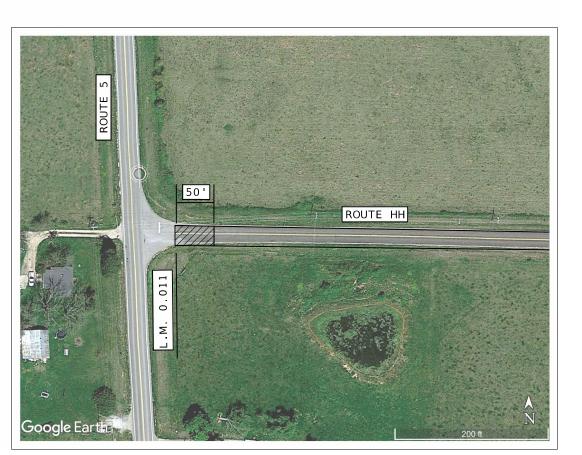
ROUTE C - END ROUTE - LOG MILE 9.884



ROUTE PP & ROUTE J - END ROUTE- LOG MILE 3.080



ROUTE PP - BRIDGE B0447 - LOG MILE 0.684



ROUTE HH & ROUTE 5 - BEGIN ROUTE - LOG MILE 0.XXX

UIP EXISTING GUARDRAIL COLDMILL IN FRONT OF EXISTING GUARDRAIL

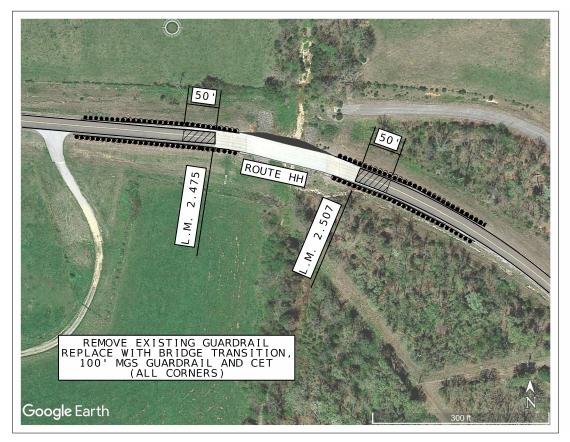
MODIFIED MILLING

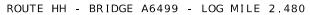


MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
1-888-ASK-MODOT (1-888-275-6636)

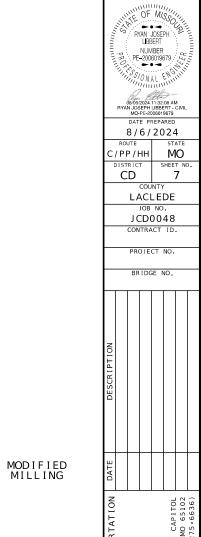
SPECIAL SHEET SHEET 3 OF 4







ROUTE HH - END ROUTE - LOG MILE 8.170





SIGN S	SPACING FOR ADV	ANCE SIGN SERIES (1) (2)
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200′	200′
40-45	350′	500′
50-55	500′	1000′
60-70	1000′	SA - 1000' SB - 1500' SC - 2640'

TAPER	LENGTHS AN	ID END TREA	TMENTS FOR	CONCRETE BARRIER
PERMANENT POSTED SPEED	MINIMUM L	ANE TAPER I	_ENGTH (3)	
MPH	10′	11′	12′	END TREATMENT (4)
<40	160′	168′	176′	BARRIER HEIGHT TRANSITION
>40	160′	168′	350′	APPROVED CRASH CUSHION

NOTES:

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS ND VISIBILTY.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.
- (4) CONCRETE BARRIER MAY BE INSTALLED AT AND 8:1 FLARE RATE FROM THE SHOULDER POINT TO THE LIMITS OF THECLEAR ZONE WHERE TEH SIDE SLOPE IS 6:1 OR FLATTER.

		TAPEF	R LENGTHS A	ND SPACING FOR CHANNELIZERS	i			
PERMANENT	PERMANENT OSTED SPEED (T2) MPH 10' 11' 12' B 0-35 205' 225' 245' 40-45 450' 495' 540' 50-55 550' 605' 660'		MINIMUM SHOULDER	BUFFER	MAXIMUM CHANNELIZER SPACING			
POSTED SPEED				TAPER LENGTH	LENGTH	THROUGH	THROUGH	
MPH	10′	11′	12′	BASED ON 10' SHOULDER (T1)	FT. (B)	TAPER	WORK AREA	
0-35	205′	225′	245′	70′	400′	35 ′ *	40′ *	
40-45	450′	495′	540′	150′	400′	40′ *	80′ *	
50-55	550′	605′	660′	185′	560′	50′ **	80′ **	
60-70	700′	770′	840′	235′	840′	60′ **	120′ **	

ROADWAY TYPE	SIGN HEIGHT	MAX. WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL DIVIDED	1' PORTABLE 7' POST	2 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILE

TRAFFIC CONTROL LEGEND

SIGN	(SINGLE	SIDED)
------	---------	--------

■ SIGN (DOUBLE SIDED)

- ▲ CONE
- CHANNELIZER
- DIRECTIONAL INDICATOR BARRICADE
- TUBULAR MARKER
- MOVABLE BARRICADE (PLAN VIEW)
- CHANGEABLE MESSAGE BOARD

TRAFFIC BARRIER (PLAN VIEW)

TRAFFIC BARRIER (SECTION VIEW)

HIGH-LEVEL WARNING DEVICE (FLAG TREE)

OR SHORT - TERM OR LONG-TERM RUMBLE STRIPS



WORK SPACE



ADVANCE WARNING RAIL SYSTEM



FLASHING ARROW PANEL



FLASHING ELECTRIC LIGHT







OBJECT MARKER - TYPE I OBJECT MARKER - TYPE II



OBJECT MARKER - TYPE III



O LUMINAIRE



TMA - TRUCK MOUNTED ATTENUATOR



CRASH CUSHION



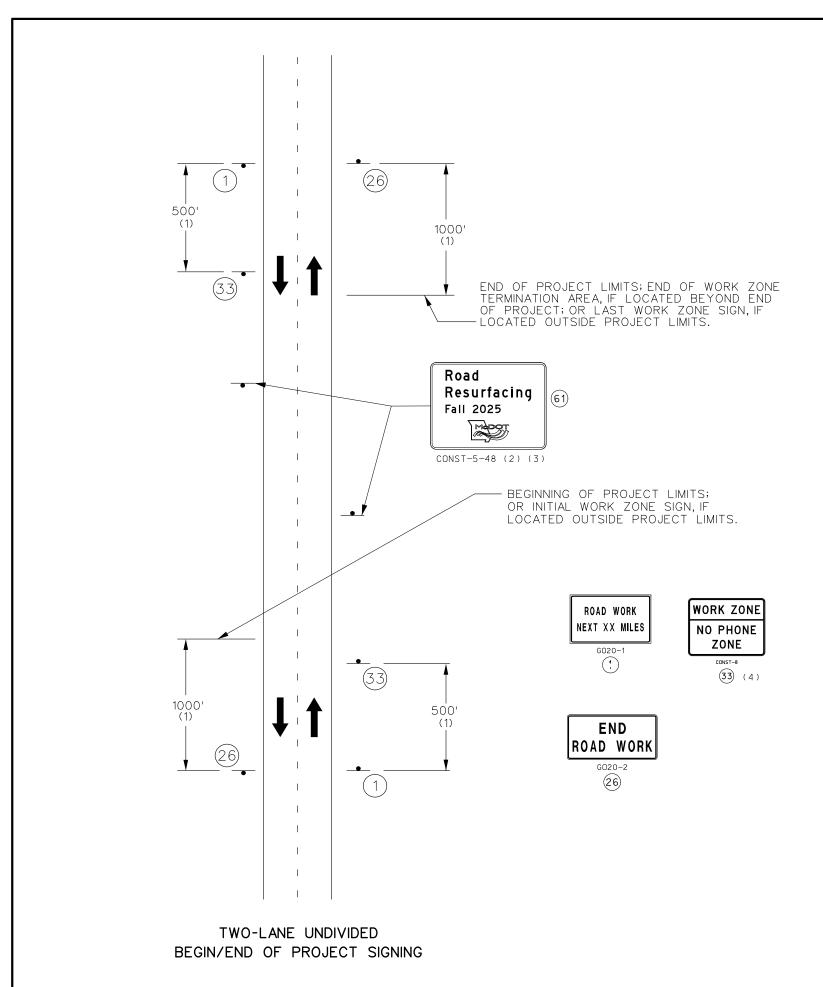
TRAFFIC OR PEDESTRIAN SIGNAL

TEMPORARY TRAFFIC CONTROL SHEET SPACING AND TAPER LENGTHS FOR WORK ZONES, CHANNELIZERS AND CONCRETE BARRIER TRAFFIC CONTROL LEGEND SHEET 1 OF 7

RYAN JOSEPH LIBBERT NUMBER 8/6/2024 C/PP/HH MO SHEET NO CD 8 LACLEDE JOB NO. JCD0048 CONTRACT ID. PROJECT NO. BRIDGE NO.

^{*} SPACING REDUCED TO 1/2 AT INTERSECTIONS.

^{**} SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.



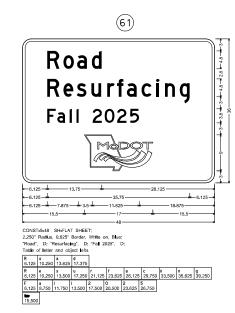
NOTES:

SIGN GO20-2 IS USED ON ALL PROJECTS WHERE SIGN GO20-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

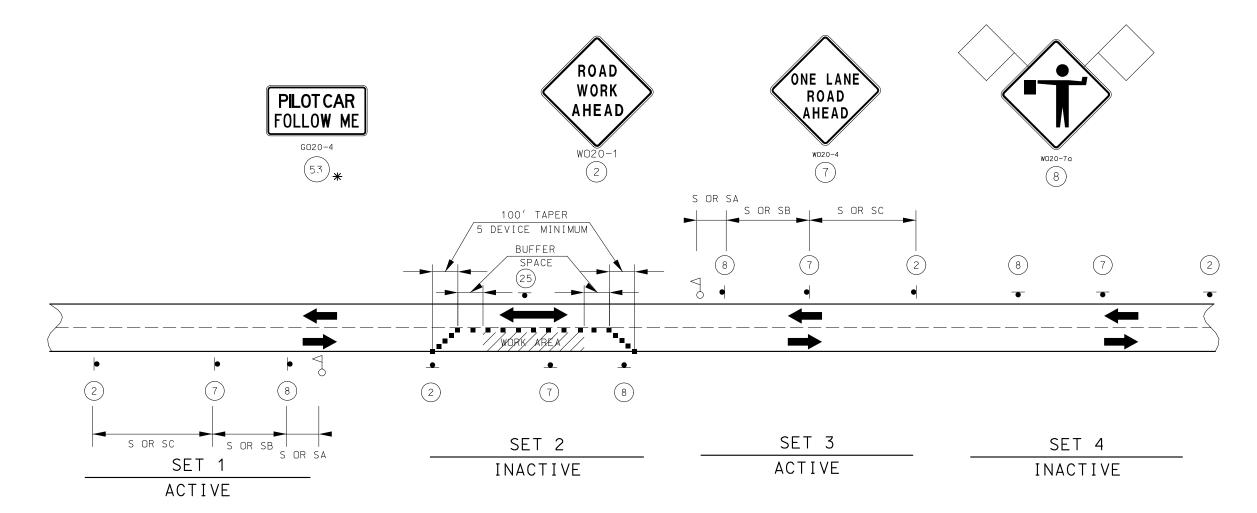
- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS.
- (3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.
- (4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.





TEPORARY TRAFFIC CONTROL SHEET BEGIN / END PROJECT SIGNING 2-LANE UNDIVIDED SHEET 2 OF 7

RYAN JOSEPH LIBBERT NUMBER PE-2006019679 8/6/2024 C/PP/HH MO SHEET NO CD 9 LACLEDE JOB NO. JCD0048 CONTRACT ID. PROJECT NO BRIDGE NO.



GENERAL NOTES:

- 1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN
- 2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- 3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- 4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- 5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10'OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES, SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

9 - FLAGGER

CHANNEL I ZERS

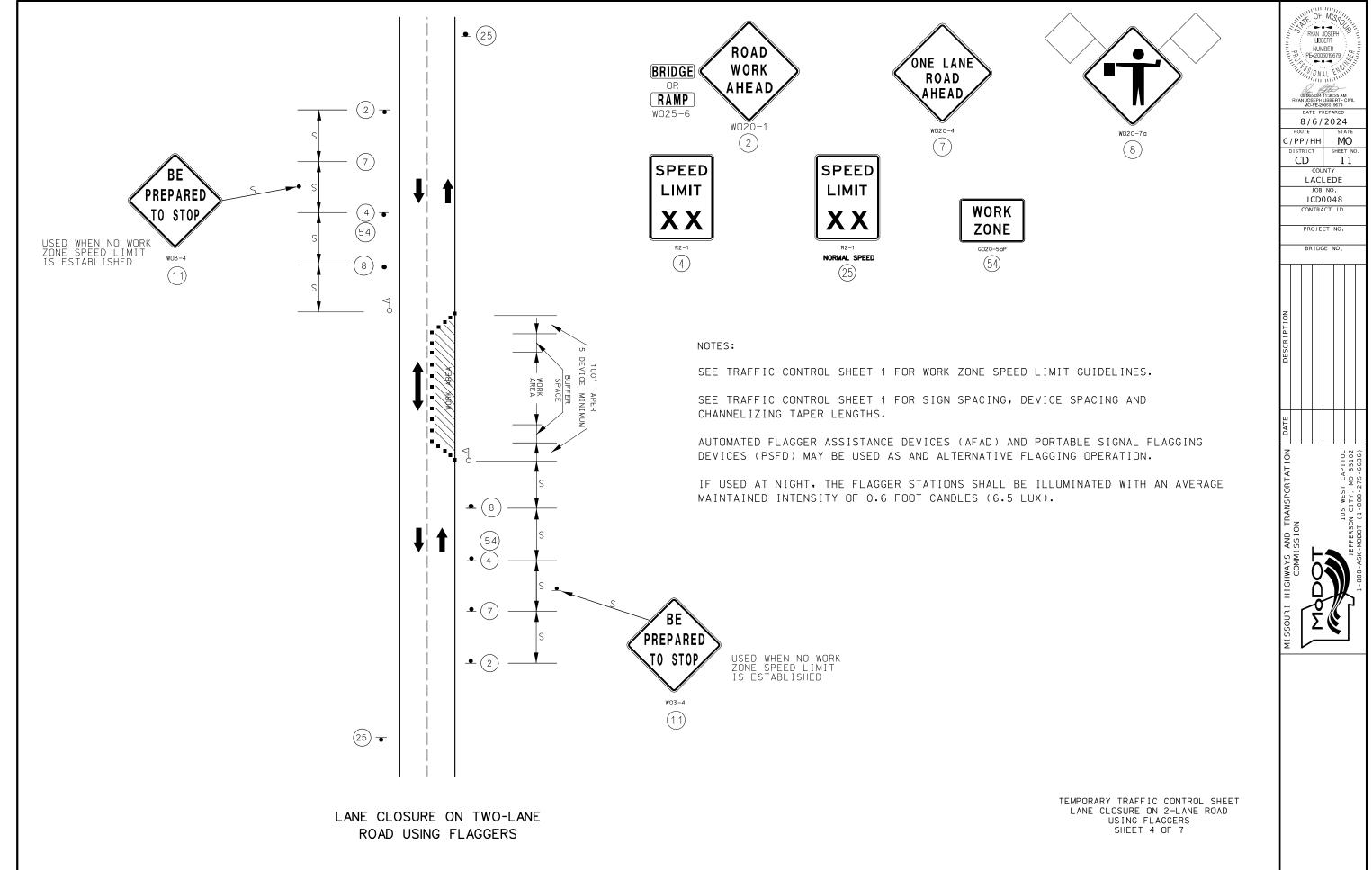
SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

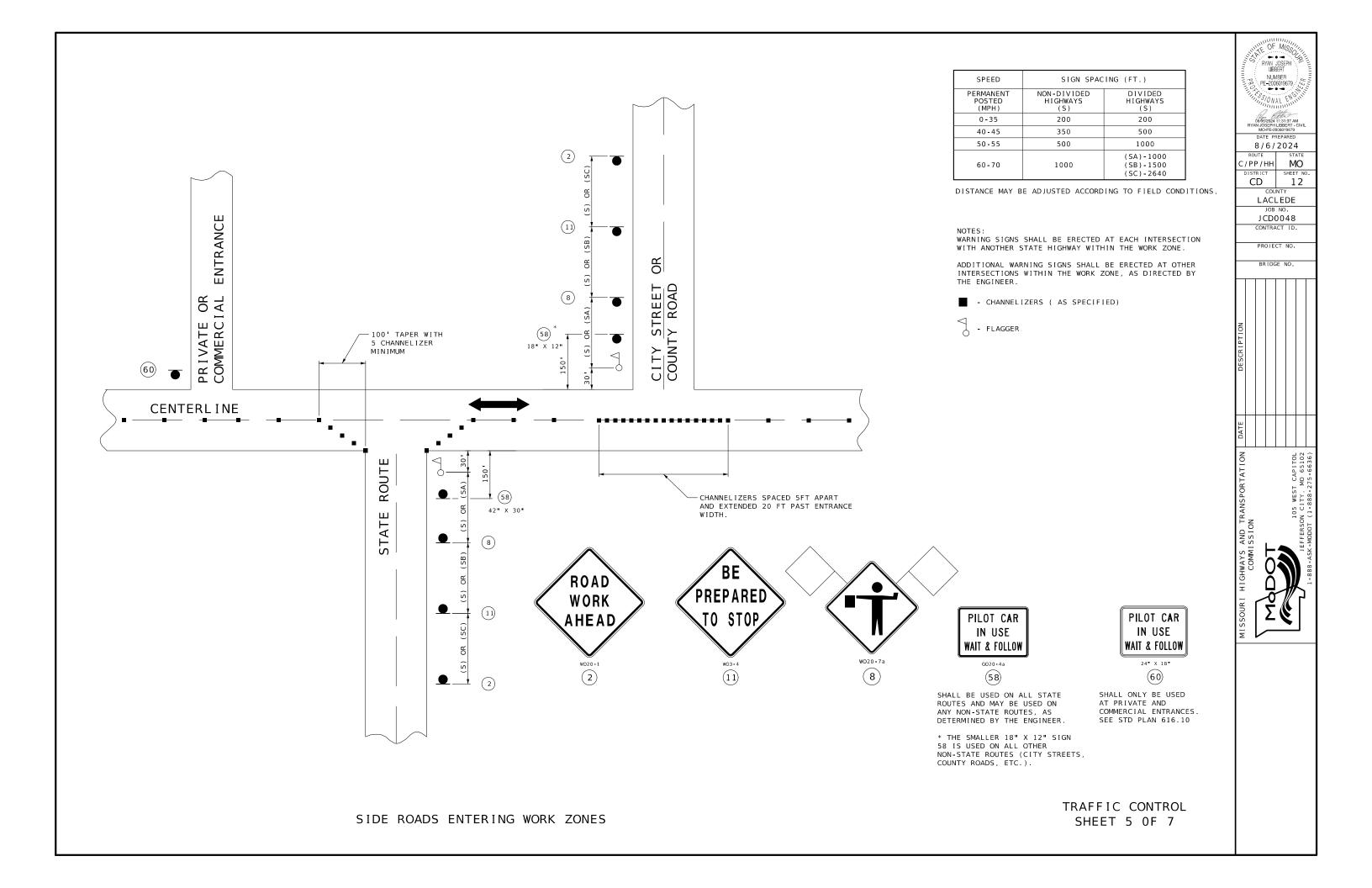
SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

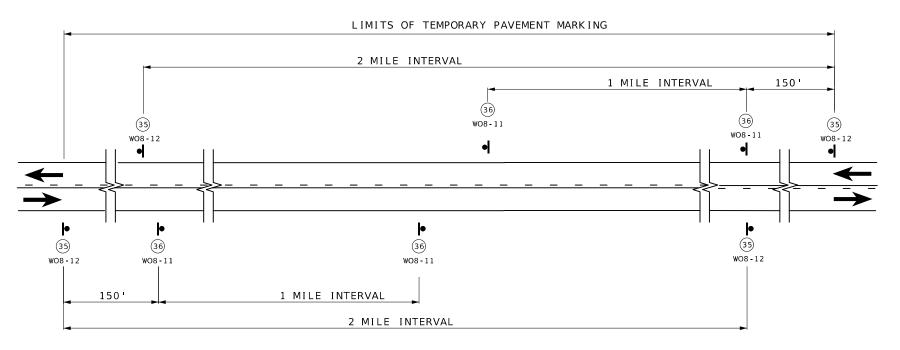
WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SET 2 AND 4, SIGN SET 2 AND 4 BECOME ACTIVE (I.E. NEW SIGN SET 1 AND 3) AND SIGN SET 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E. NEW SIGN SET 2 AND 4).

RYAN JOSEPH LIBBERT NUMBER PE-2006019679 8/6/2024 C/PP/HH MO CD 10 LACLEDE LOB NO JCD0048 CONTRACT ID. PROJECT NO BRIDGE NO

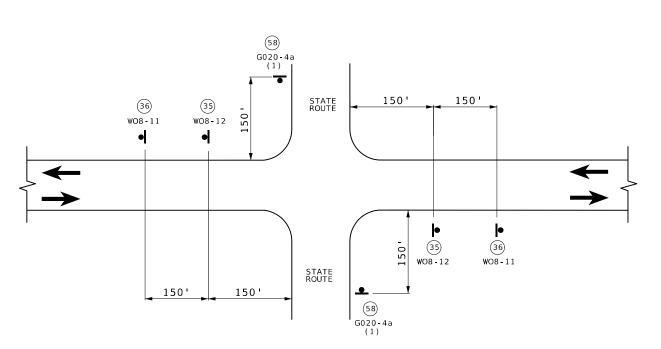
* THIS SIGN SHALL BE THE CONTRACTORS RESPONSIBILITY WHEN IN USE DURING OPERATION. TEMPORARY TRAFFIC CONTROL SHEET
FLAGGER CONTROL RESURFACING
OR MOVING OPERATION
1 LANE - 2 WAY OPERATION
WITH SIGN SPACING
SHEET 3 OF 7







SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS APPROVED BY THE ENGINEER.





NOTES:

PILOT CAR

IN USE

WAIT & FOLLOW

GO20-4a

58

SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

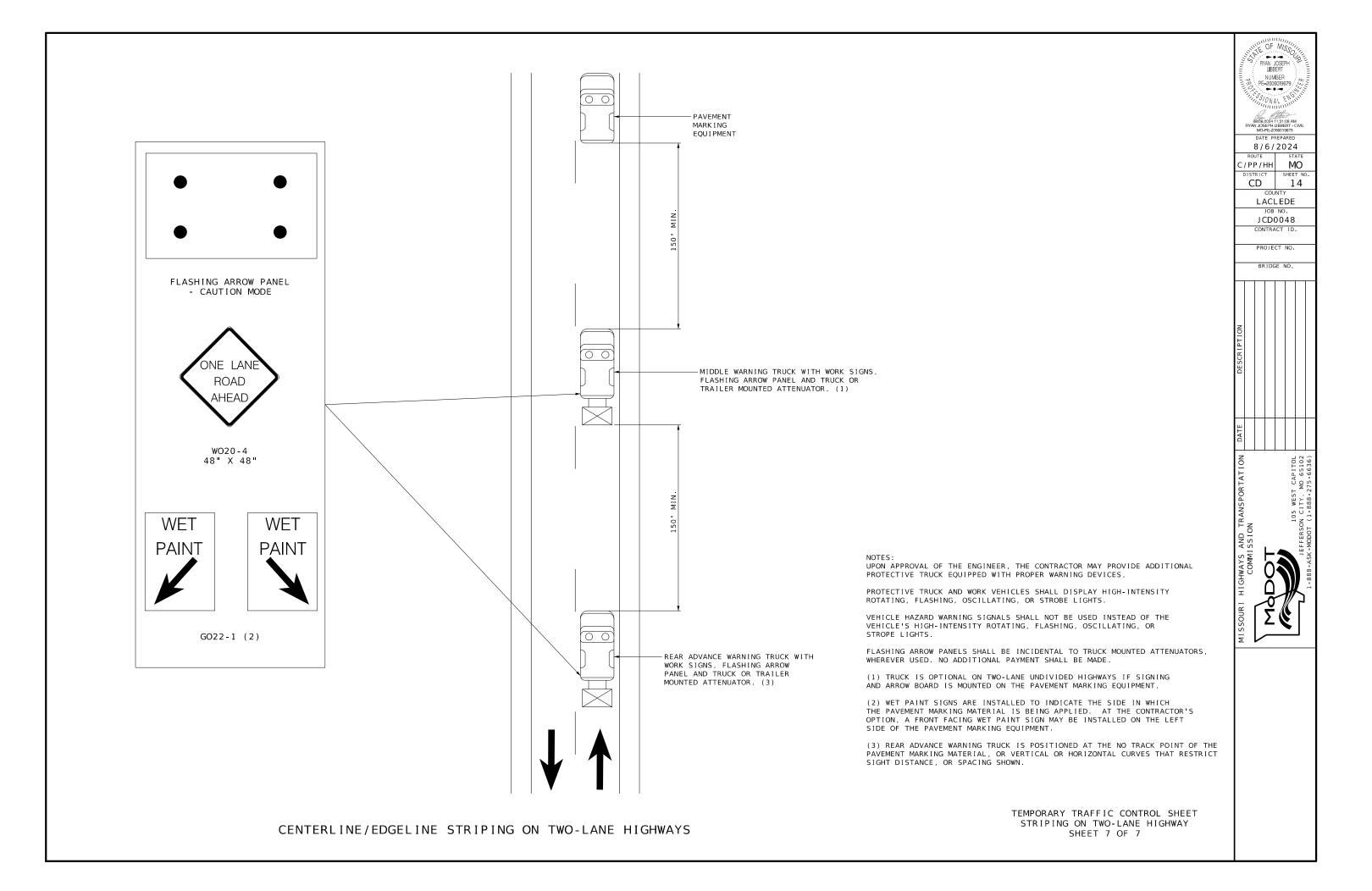
SIGN 35 IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN 35 , THE LATTER MAY BE ELIMINATED.

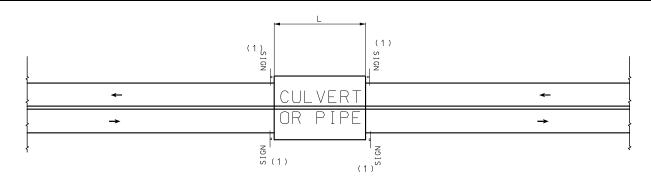
ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

RYAN JOSEPH LIBBERT NUMBER PE-2006019679 8/6/2024 C/PP/HH MO CD 13 LACLEDE JCD0048 CONTRACT ID. PROJECT NO. BRIDGE NO.

TEMPORARY TRAFFIC CONTROL SHEET SIGN SPACING - TEMP. STRIPING SHEET 6 OF 7

NOT TO SCALE

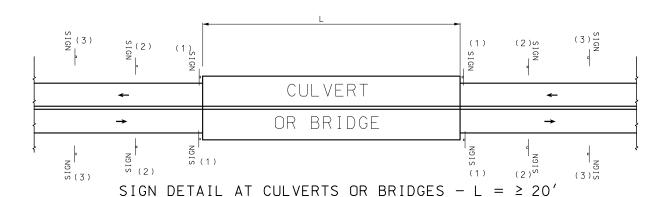




SIGN DETAIL AT CULVERTS OR PIPE $-L = \langle 20'$

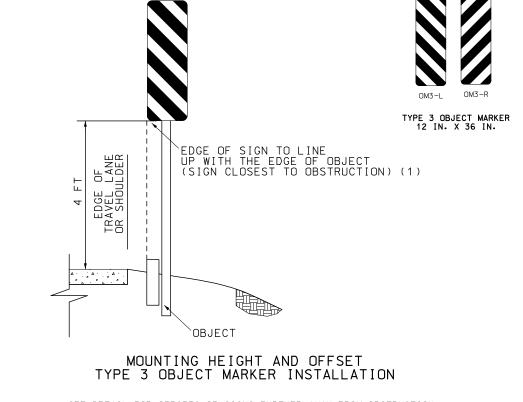
ROUTE C ROUTE PP ROUTE HH L.M. 1.376 L.M. 2.898 L.M. 4.138 L.M. 5.557 L.M. 2.676 L.M. 4.862 L.M. 3.034 L.M. 6.553 L.M. 4.584 L.M. 8.573 L.M. 2.599

(1) PLACED AS NEAR THE OBSTRUCTION AS POSSIBLE AND SET TO LINE UP WITH INSIDE EDGE OF OBSTRUCTION.



ROUTE C L.M. 2.600 L.M. 6.189

- (1) PLACED AS NEAR THE OBSTRUCTION AS POSSIBLE AND SET TO LINE UP WITH INSIDE EDGE OF OBSTRUCTION.
 (2) PLACED 1.5 FEET OFF THE EDGE OF PAVEMENT AND 20 FEET FROM THE END OF THE OBSTRUCTION.
 (3) PLACED 3.0 FEET OFF THE EDGE OF PAVEMENT AND 40 FEET FROM THE END OF THE OBSTRUCTION.



SEE DETAIL FOR OFFSETS OF SIGNS FURTHER AWAY FROM OBSTRUCTION

EFFECTIVE 12-01-2017

		SIC	GNS			U CHANNEL POST, 3 LB.				
SIGN NO. OR SET NO.	SIGN SIZE	LOG MILE	HORZ CLEAR IF NOT STD	LOCATION	POST QTY EA	POST SIZE 14' EACH ITEM NO. 9031250A LF	AND	REM OTHER RE	MARKS EQUIRED	ITEMS.
S1	1×3	2.600		RTE. C LT. & RT.	12	168				
S2	1×3	2.676		RTE. C LT. & RT.	2	28				
S3	1×3	3.034		RTE. C LT. & RT.	2	28				
S4	1×3	4.584		RTE. C LT. & RT.	2	28				
S5	1×3	4.862		RTE, C LT, & RT.	2	28				
S6	1×3	6.189		RTE. C LT. & RT.	12	168				
S7	1×3	6.553		RTE. C LT. & RT.	2	28				
S8		6.611		RTE. C & RT.			USE	EXIST.	POST	& STUB
S9	1×3	8.573		RTE. C LT. & RT.	2	28				
S10	1×3	2.599		RTE. PP LT. & RT.	2	28				
S11	1×3	1.376		RTE. HH LT. & RT.	2	28				
S12	1×3	2.898		RTE. HH LT. & RT.	2	28				
S13	1×3	4.138		RTE. HH LT. & RT.	2	28				
S14	1×3	5.557		RTE. HH LT. & RT.	2	28				
			l	SUBTOTAL	1	644				
				TOTAL		644				

											E	FFECTIVE 10-01-2016		
	STAND	ARD SIGN	ASS	SEM	BL	IES	;		IGN	SUM	MARY			
nr.			_		TYPI	Ε					SIZE, T	YPE & SQ. FT.		
NUMBER NUMBER	LOG MILE	LOCATION	SIGN DESC., SIZES		ZES.	STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE	FLAT SHEET FLUORESCENT SHF *				
GN I				& # OF EACH								ITEM NO. 9035069A		
					4			OM3-R	STD.	34	1'X3'	102		
ve					$\nabla \mathcal{V}$			OM3-L	STD.	12	1'X3'	36		
-			12: .X	12°,X	36",X			W1-10L	STD.	1	3′X3′	9		
S1	2,600	RTE. C LT. & RT.	6	6										
S2	2.676	RTE, C LT, & RT.	2								TOTAL	147		
S3	3.034	RTE. C LT. & RT.	2			M 102 015 1 0 10	D-30							
S4	4.584	RTE. C LT. & RT.	2											
S5	4.862	RTE. C LT. & RT.	2											

\$12 2.898 RTE. HH LT. & RT. 2 \$13 4.138 RTE. HH LT. & RT. 2 \$14 5.557 RTE. HH LT. & RT. 2

SIGNING SHEET SHEET 1 OF 1

RYAN JOSEPH LIBBERT

NUMBER PE-2006019679

8/6/2024

C/PP/HH MO

LACLEDE

JOB NO. JCD0048

CONTRACT ID.

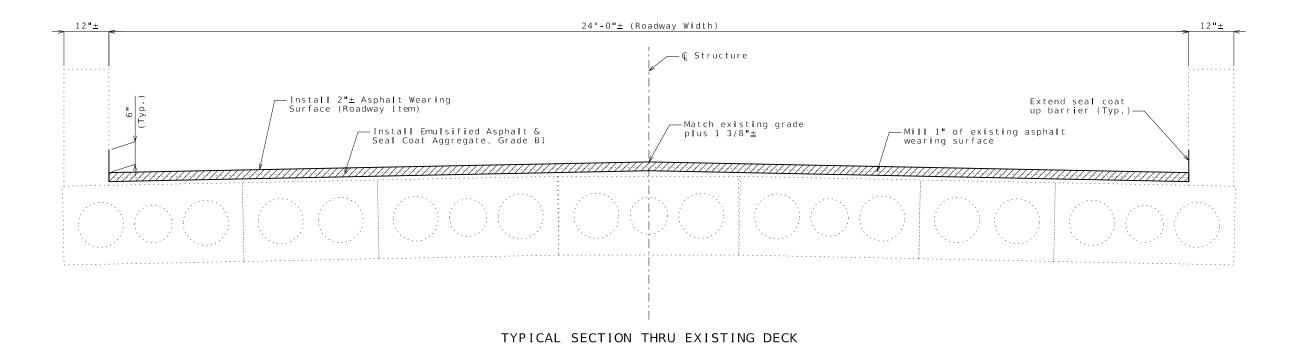
PROJECT NO. BRIDGE NO.

CD

SHEET NO

15

U.I.P. & REHABILITATE EXISTING (75',90',75') SIMPLE PRESTRESSED CONCRETE ADJACENT VOIDED SLAB BEAM SPANS (SKEW: 10° L.A.)



General Notes:

Design Specifications: 2002 AASHTO LFD (17th Ed.) Standard Specifications Bridge Deck Rating = 9

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

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

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

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

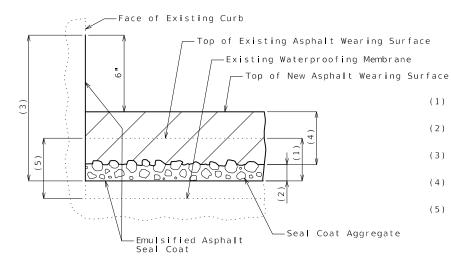
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

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.



DETAIL A

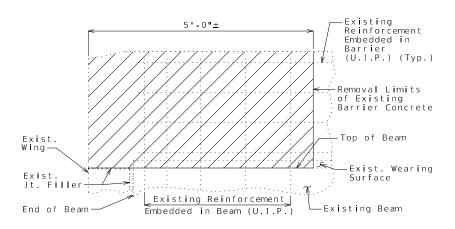
Estimated Quantities	
I t em	Total
Removal of Asphalt Wearing Surface sq. foot	5766
Emulsified Asphalt, Seal Coat gallon	272
Seal Coat Aggregate, Grade B1 sq. yard	641
Barrier End Modification each	4

- (1) Remove 1"± of existing asphalt wearing surface
- (2) 3/8" Emulsified Asphalt Seal Coat with Seal Coat Aggregate, Grade B1
- (3) Extend Emulsified Asphalt, Seal Coat up the curb face.
- (4) 2" minimum Asphalt Wearing Surface (Roadway Item)
- (5) 2" Existing Asphalt Wearing Surface

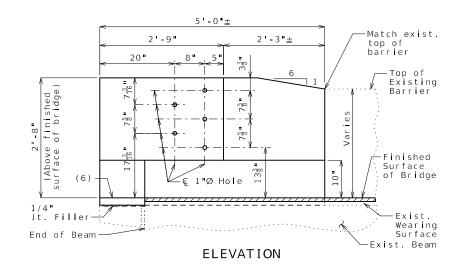
TRENTON B. CRAWFORD NUMBER PE-2012018053 ISSONAL EN 8/6/2024 PΡ MO SHEET NO BR 1 LACLEDE JCD0048 CONTRACT ID. PROJECT NO. BRIDGE NO B04471

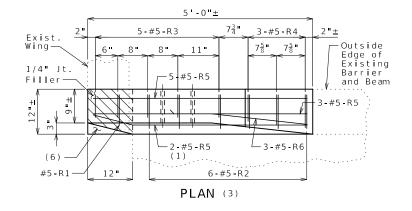
REPAIRS TO BRIDGE: ROUTE PP OVER BRUSH CREEK

ROUTE PP FROM ROUTE C TO ROUTE J
ABOUT 0.7 MILE SOUTH OF ROUTE C
BEGINNING STATION 100+00.28± (MATCH EXISTING)



PART ELEVATION SHOWING CONCRETE REMOVAL

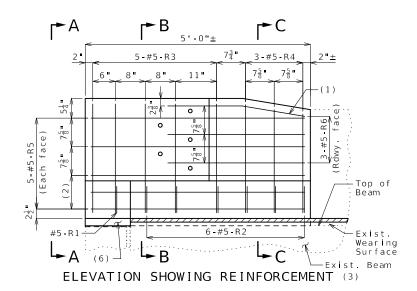


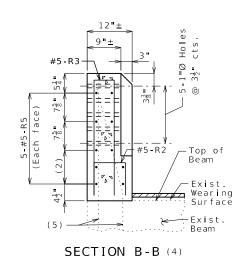


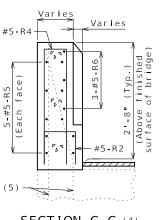
#5-R3
#5-R3
#5-R1

(1) Bend in field.

- (2) 2 Spa. @ 4½"
- (3) Existing reinforcement not shown for clarity.
- (4) Existing longitudinal reinforcement not shown for clarity.
- (5) Existing reinforcement
 embedded in beam (U.1.P.)
 (Bend in field as needed) (Typ.)
- (6) Fill with mortar or concrete.





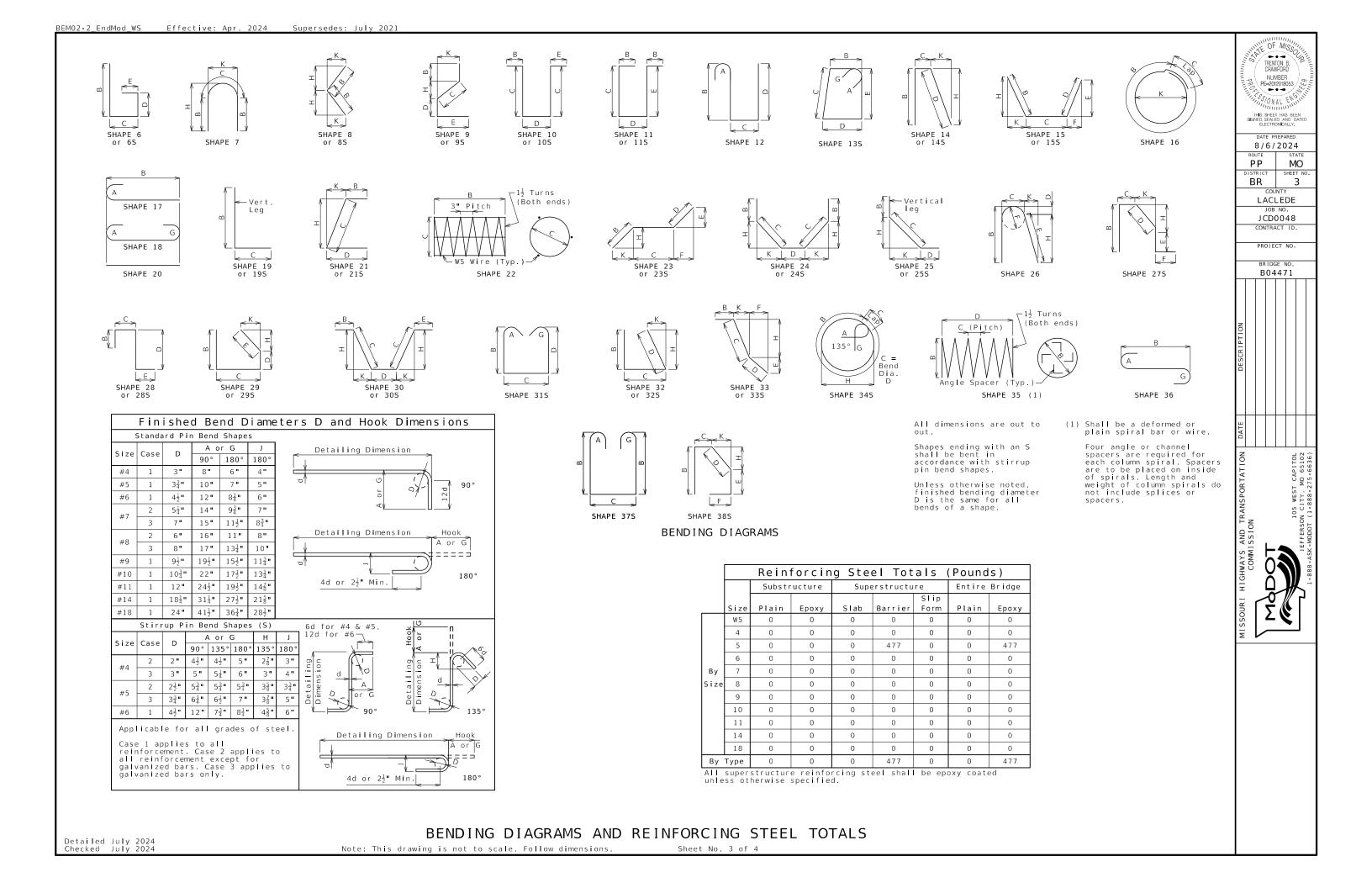


SECTION C-C (4)

BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

Detailed July 2024 Checked July 2024





BEM02-3 EndMod WS New: Apr. 2024

				Bill	of Re		cing St	eel		NI	Astu-1				Ι			Bill of Rein				Nom Astual	71111 4 XIII	NE OF 1
o. Size/		Codes	В	С	D	D imensi E	ons F	Н	К	Nom Lengt	Actual h Length		No.	Size/		Codes	ь В	C D	imension E	F H	K	Nom. Actual Length Length Weight	111111	TRENTOI CRAWFO NUMB PE-20120
q. Mark	Location	C SH V	ft in.	ft in.	ft in	. ft in	. ft in.	ft in.	ft in.	ft i	n. ft in	. Ib	Req.	Mark	Location	C SH	V ft in.	ft in. ft in.	ft in.	ft in. ft in.	ft in.	ft in, ft in, lb	III B	NUME \ PE-2012/
																							11/1/	SSIONA
	Fred Doort Med																						TH	HIS SHEET
5 R1	End Post Mod. MODIFIED END	E 10S		10.3						2	5 2 2	9											SIGNE	HIS SHEET H NED, SEALED ELECTRON
4 5 R2	MODIFIED END	E 10S		9.00						2]											DATE PRE
0 5 R3 2 5 R4	MODIFIED END MODIFIED END	E 10S 4		2 7.00		0				5 6			1										ROU"	8 / 6 / 2
	Incr. = 2.000"			2 5.63		0				5	8 5 5	70											PI	
0 5 R5	MODIFIED END	E 20	4 9.00)						4	9 4 9	198											BI	R
2 5 R6	MODIFIED END	E 15S	11.2	5 2 1.50	0			1.25	11.25	3	1 2 11	37												COUN.
													1											JOB N
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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.

For bending diagrams and steel reinforcing totals, see Sheet No. 3.

All bars shall be Grade 60.

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.

BILL OF REINFORCING STEEL

Detailed July 2024 Checked July 2024

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 4