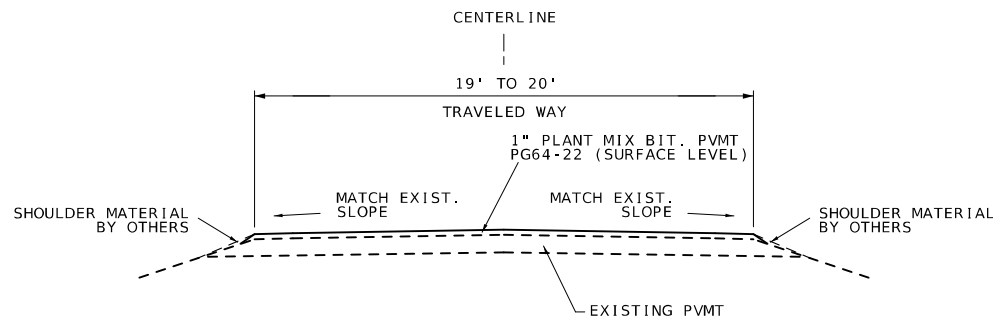


TYPICAL SECTION
ROUTE C

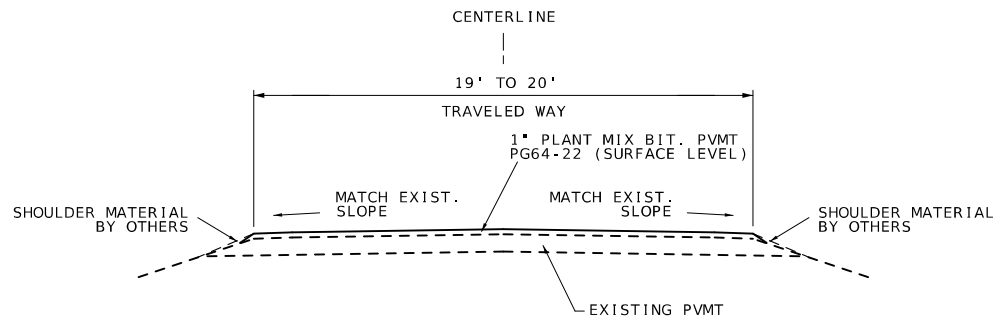
LOG MILE 0.059 TO LOG MILE 0.379



TYPICAL SECTION
ROUTE C

LOG MILE 0.379 TO LOG MILE 9.884

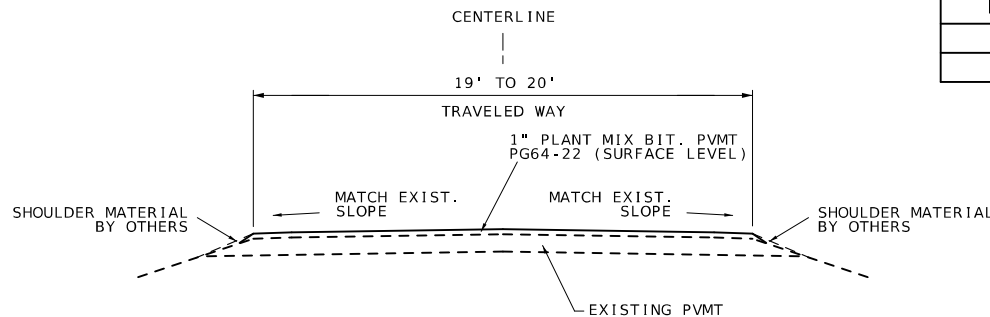
RAILROAD CROSSING EXCEPTION - LOG MILE 0.572 TO LOG MILE 0.583



TYPICAL SECTION
ROUTE PP

LOG MILE 0.000 TO LOG MILE 3.080

BRIDGE B0447 - LOG MILE 0.684 TO LOG MILE 0.735

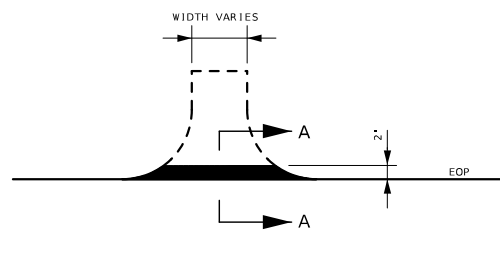


TYPICAL SECTION
ROUTE HH

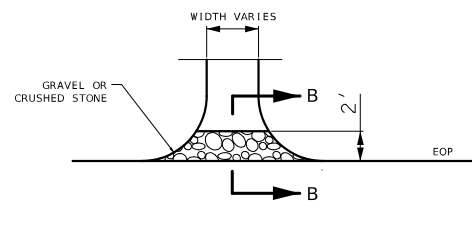
LOG MILE 0.011 TO LOG MILE 8.170

BRIDGE A6499 EXCEPTION - LOG MILE 2.475 TO LOG MILE 2.516

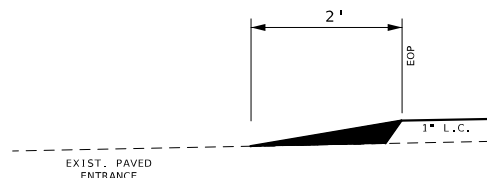
BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	2.060 TON/YD ³
TACK COAT-OVERLAY	.08 GAL/YD ²
TACK COAT-COLDMILLING	.10 GAL/YD ²



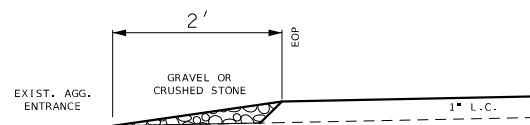
TYPICAL ENTRANCE



TYPICAL ENTRANCE



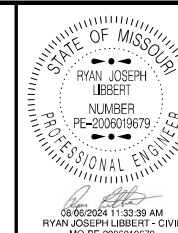
SECTION A-A
TYPICAL PAVED ENTRANCE



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

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

TYPICAL SECTION SHEET
SHEET 1 OF 1



DATE PREPARED
8/6/2024

ROUTE C/PP/HH
DISTRICT CD
STATE MO
SHEET NO. 2

COUNTY
LACLEDE

JOB NO.
JCD0048

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)



REMOVAL OF IMPROVEMENTS						
APPROX. LOG MILE		LOCATION	QTY (FT)	QTY (EACH)	DESCRIPTION	REMARKS
FROM	TO					
ROUTE C						
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		GUARDRAIL	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.436	2.475	RTE. HH LT.	175		GUARDRAIL	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.516	2.544	RTE. HH RT.	245		GUARDRAIL	INCLUDES C.E.T. AND BRIDGE TRANSITION
2.516	2.561	RTE. HH LT.	175		GUARDRAIL	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 LUMP SUM			

GRAVEL (A) , CRUSHED STONE (B)				
APPROX. LOG MILE		LOCATION	GRAVEL , CRUSHED STONE (TON)	REMARKS
FROM	TO			
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	

BITUMINOUS PAVEMENT QUANTITIES - ROUTE C								
APPROX. LOG MILE		LOCATION	LENGTH (FT)	AVG. WIDTH (FT)	DEPTH (IN)	SURF. LEVEL		REMARKS
FROM	TO					PG 64-22 (T)	TACK (GAL)	
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

STATE OF MISSOURI

RYAN JOSEPH LIBBERT

NUMBER

PE-2006019679

PROFESSIONAL ENGINEER

08/06/2024 11:33:29 AM

RYAN JOSEPH LIBBERT - CIVIL

MO-PE-2006019679

DATE PREPARED

8/6/2024

ROUTE

C/PP/HH

STATE

MO

DISTRICT

CD

SHEET NO.

3

COUNTY

LACLEDE

JOB NO.

JCS0048

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

SUMMARY OF QUANTITIES

SHEET 1 OF 5

PAVEMENT MARKING - ROUTE PP							
APPROX. LOG MILE		LOCATION	LENGTH (FT)	WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS			REMARKS
				4" SOLID WHITE (FT)	4" INT. YELLOW (FT)	4" SOLID YELLOW (FT)	
FROM	TO						
ROUTE PP							
0.011	3.080	ROUTE PP LT. & RT.	16,204.32	32,408.64		32,408.64	EDGE LINES
0.009	0.280	ROUTE PP	1,430.88		357.7	1,430.88	CENTERLINE
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		CENTERLINE
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	32408.64	2046.00	55181.28	
			USE	32,409	57,227		

PAVEMENT MARKING - ROUTE HH								
APPROX. LOG MILE		LOCATION	LENGTH (FT)	WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS				REMARKS
				4" SOLID WHITE (FT)	4" INT. YELLOW (FT)	4" SOLID YELLOW (FT)	24" SOLID WHITE (FT)	
FROM	TO							
ROUTE HH								
0.005		ROUTE HH					10.00	STOP BAR
0.005	0.199	ROUTE HH	1,024.32			1,024.32		CENTERLINE
0.011	8.170	ROUTE HH LT. & RT.	43,079.52	86,159.04				EDGE LINE
0.199	0.259	ROUTE HH	316.80		79.2	316.80		CENTERLINE
0.259	0.319	ROUTE HH	316.80		79.2			CENTERLINE
0.319	0.398	ROUTE HH	417.12		104.3	417.12		CENTERLINE
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	

PAVEMENT MARKING - ALL ROUTES									
APPROX. LOG MILE		LOCATION	LENGTH (FT)	WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS				PREFORMED THERMOPLASTIC	REMARKS
				4" SOLID WHITE (FT)	4" INT. YELLOW (FT)	4" SOLID YELLOW (FT)	24" SOLID WHITE (FT)	R/R CROSSING MARKER (EACH)	
FROM	TO								
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	

STATE OF MISSOURI

RYAN JOSEPH LIBBERT

NUMBER
PE-2006019679

PROFESSIONAL ENGINEER

08/06/2024 11:33:02 AM

RYAN JOSEPH LIBBERT - CIVIL

MO-PE-2006019679

DATE PREPARED
8/6/2024

ROUTE
C/PP/HH

STATE
MO

DISTRICT
CD

SHEET NO.
3

COUNTY
LACLEDE

JOB NO.
JCD0048

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

DATE PREPARED	
8/6/2024	
ROUTE	STATE
C/PP/HH	MO
DISTRICT	SHEET #
CD	3

JOB NO.
JCD0109

PROJECT NO.

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DESCRIPTION					

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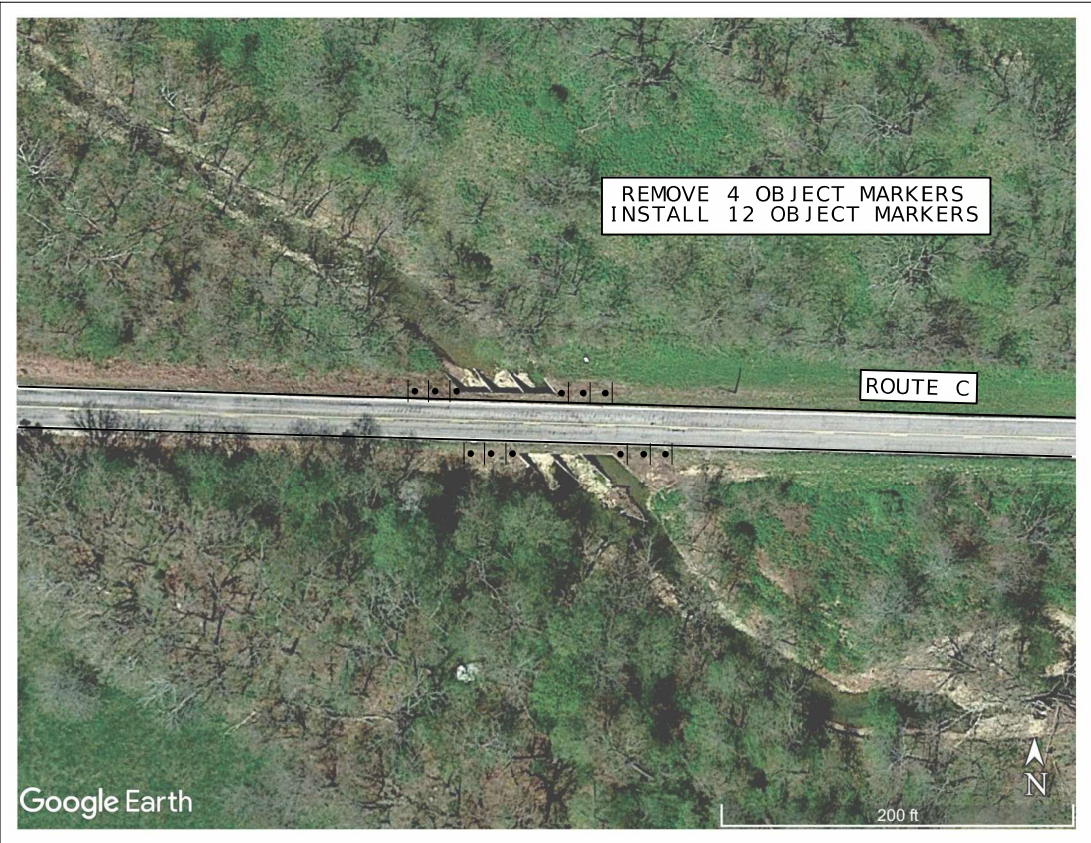
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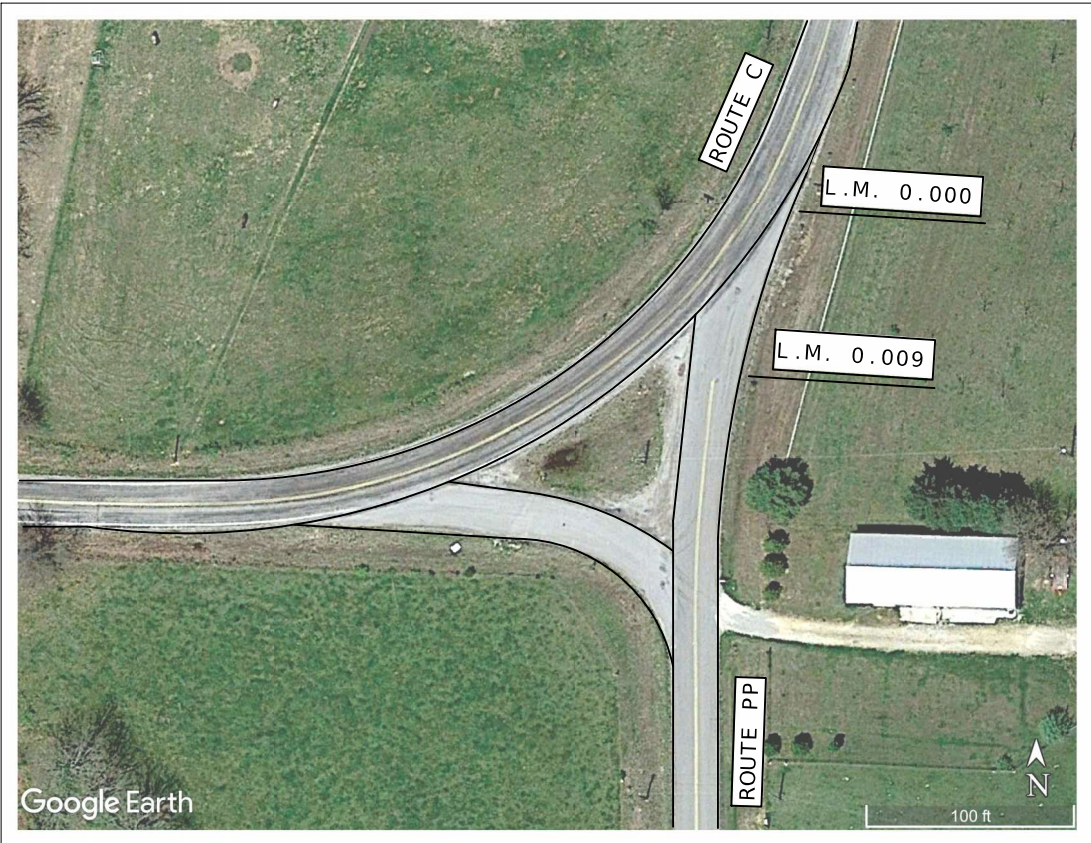
ROUTE C - BRIDGE CULVERT P0775 - LOG MILE 2.600



ROUTE C - BRIDGE CULVERT P0776 - LOG MILE 6.189



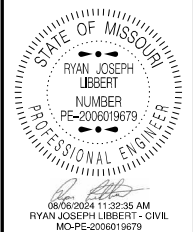
MODIFIED
MILLING



ROUTE C & ROUTE PP- LOG MILE 6.724



ROUTE C & OSTRICH DR. - LOG MILE 8.729



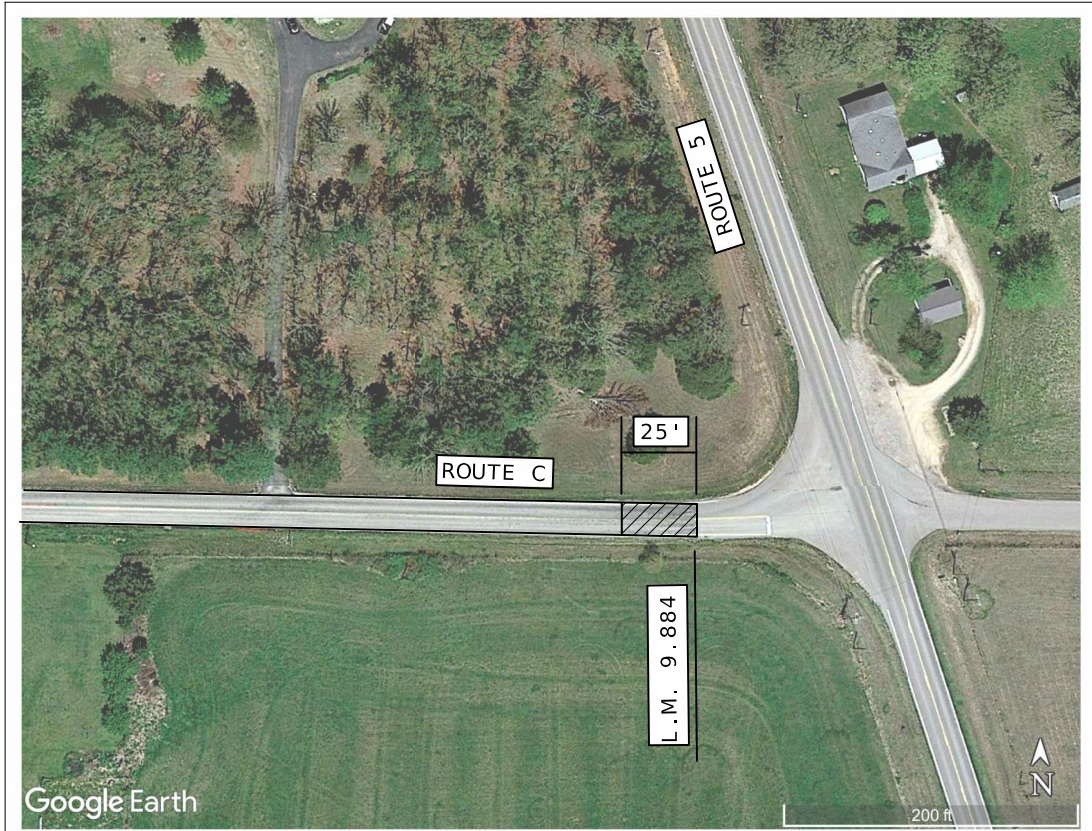
DATE PREPARED 8/6/2024	
ROUTE C/PP/HH	STATE MO
DISTRICT CD	SHEET NO. 5
COUNTY LACLEDE	
JOB NO. JCD0048	
CONTRACT ID.	

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)



ROUTE C - END ROUTE - LOG MILE 9.884

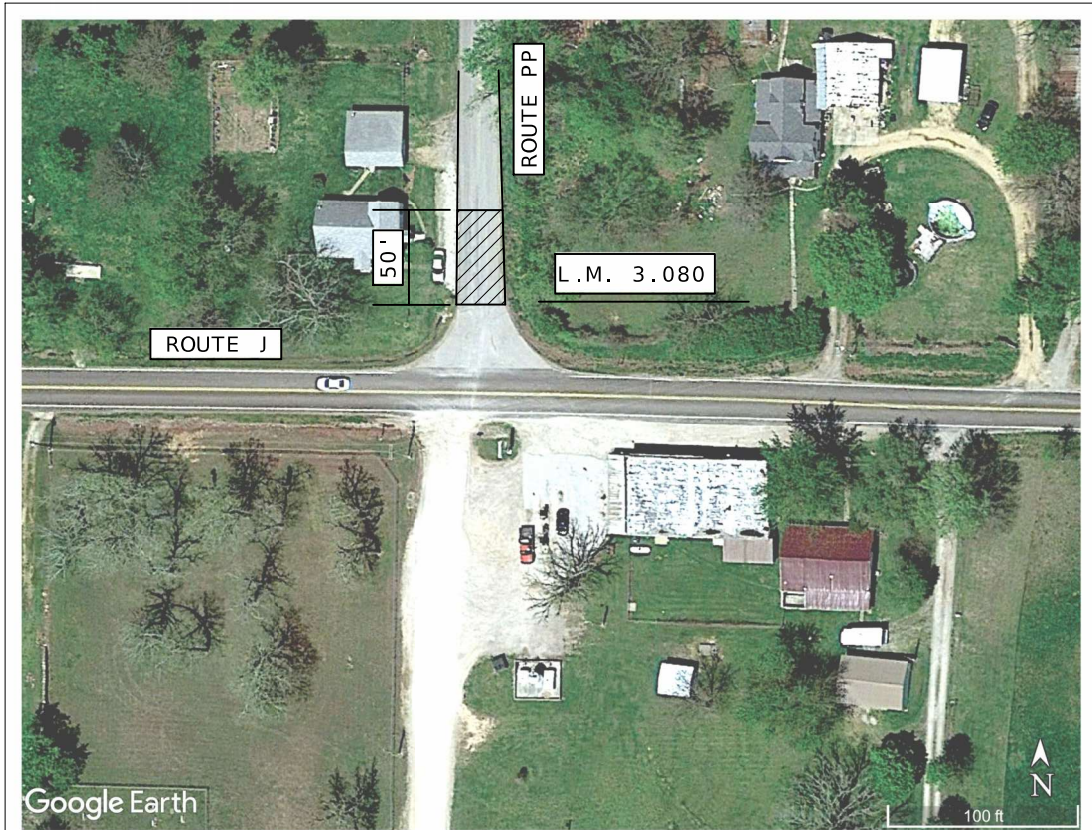


ROUTE PP - BRIDGE B0447 - LOG MILE 0.684

UIP EXISTING GUARDRAIL
COLDMILL IN FRONT OF
EXISTING GUARDRAIL



MODIFIED
MILLING



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



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

SPECIAL SHEET
SHEET 3 OF 4

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER
PE-2006019679
PROFESSIONAL ENGINEER

DATE PREPARED
8/6/2024

ROUTE	STATE
C/PP/HH	MO
DISTRICT	SHEET NO.
CD	6

COUNTY
LACLEDE

JOB NO.
JCD0048

CONTRACT ID.

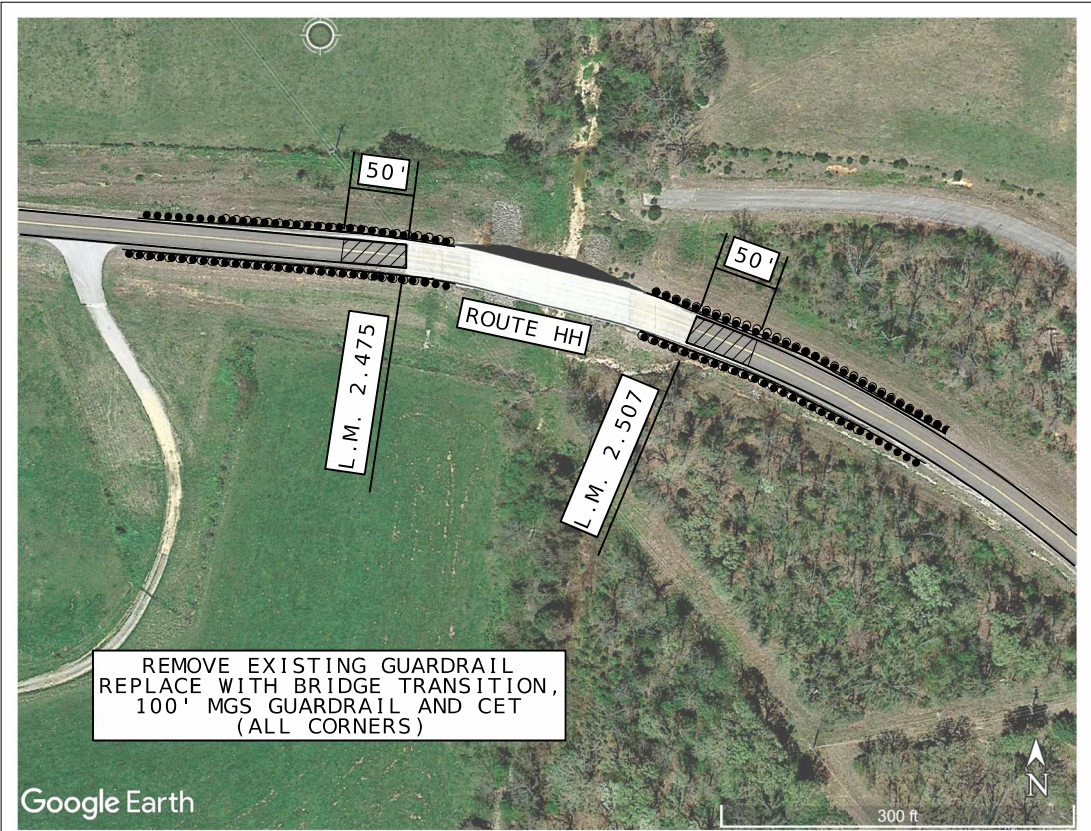
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



ROUTE HH - BRIDGE A6499 - LOG MILE 2.480



ROUTE HH - END ROUTE - LOG MILE 8.170



MODIFIED
MILLING

STATE OF MISSOURI

RYAN JOSEPH LIBBERT

NUMBER

PE-2006019679

PROFESSIONAL ENGINEER

08/06/2024 11:32:08 AM

RYAN JOSEPH LIBBERT - CIVIL

MO-PE-2006019679

DATE PREPARED

8/6/2024

ROUTE

C/PP/HH

DISTRICT

CD

STATE

MO

SHEET NO.

7

COUNTY

LACLEDE

JOB NO.

JCD0048

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)



























SIGN SPACING FOR ADVANCE 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 AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
<40	160'	168'	176'	BARRIER HEIGHT TRANSITION
>40	160'	168'	350'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3) (T2)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER (T1)	BUFFER LENGTH FT. (B)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH 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'**

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

TRAFFIC CONTROL LEGEND

 SIGN (SINGLE SIDED)	 WORK SPACE
 SIGN (DOUBLE SIDED)	 ADVANCE WARNING RAIL SYSTEM
 FLAGGER	 FLASHING ARROW PANEL
 CONE	 FLASHING ELECTRIC LIGHT
 CHANNELIZER	 IMPACT ATTENUATOR ARRAY (SAND BARRELS)
 DIRECTIONAL INDICATOR BARRICADE	 MOVABLE BARRICADE (SIDE VIEW)
 TUBULAR MARKER	 OBJECT MARKER - TYPE I
 MOVABLE BARRICADE (PLAN VIEW)	 OBJECT MARKER - TYPE II
 CHANGEABLE MESSAGE BOARD	 OBJECT MARKER - TYPE III
 TRAFFIC BARRIER (PLAN VIEW)	 LUMINAIRE
 TRAFFIC BARRIER (SECTION VIEW)	 TMA - TRUCK MOUNTED ATTENUATOR
 HIGH-LEVEL WARNING DEVICE (FLAG TREE)	 CRASH CUSHION
 SHORT - TERM OR LONG-TERM RUMBLE STRIPS	 TRAFFIC OR PEDESTRIAN SIGNAL

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.

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

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

STATE OF MISSOURI

RYAN JOSEPH

EBBERT

NUMBER

PE-2006019679

PROFESSIONAL ENGINEER

08/06/2024 11:31:19 AM

RYAN JOSEPH EBBERT - CIVIL

MO-PE-2006019679

DATE PREPARED

8/6/2024

ROUTE

C/PP/HH

DISTRICT

CD

STATE

MO

SHEET NO.

8

COUNTY

LACLEDE

JOB NO.

JCD0048

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

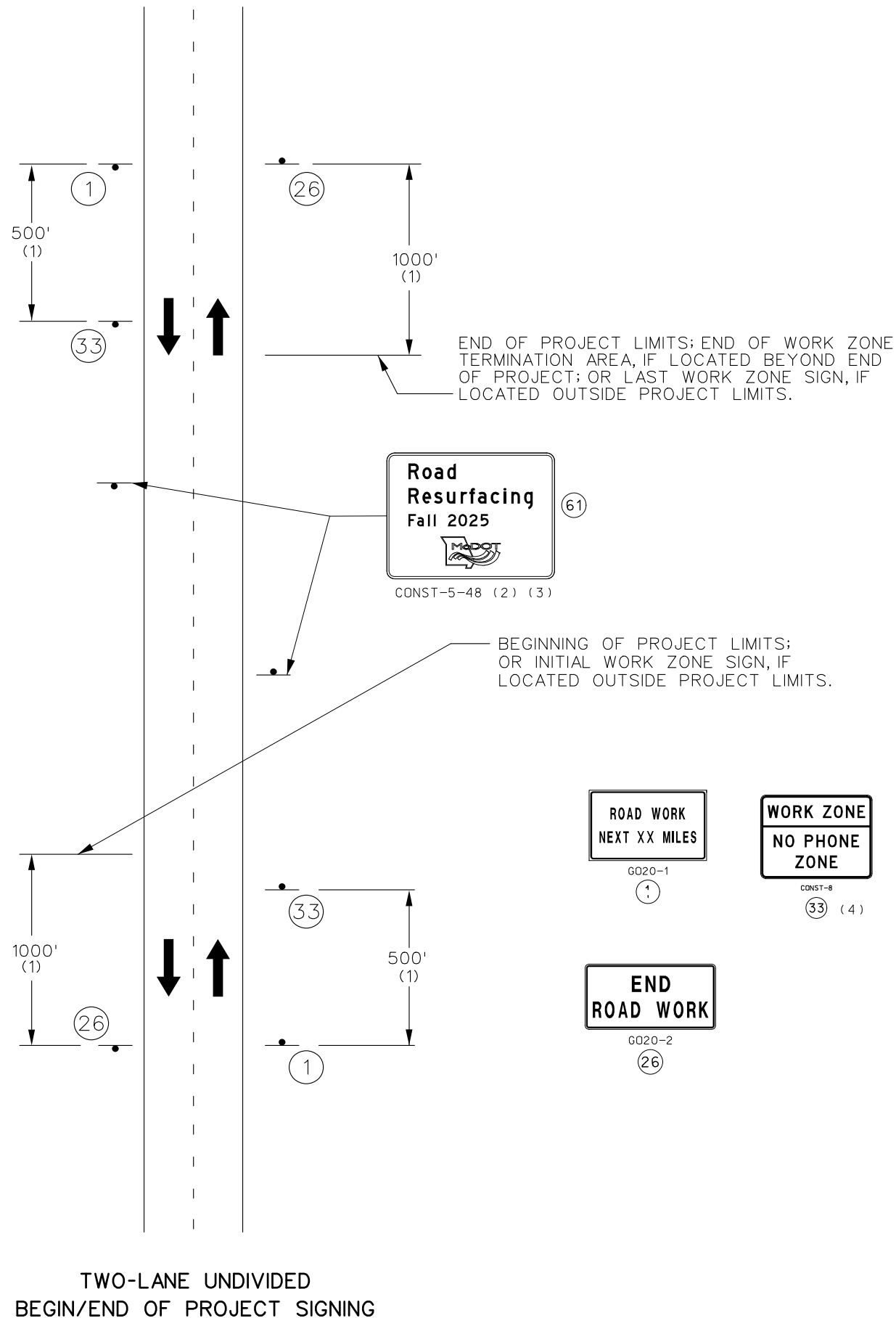
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL

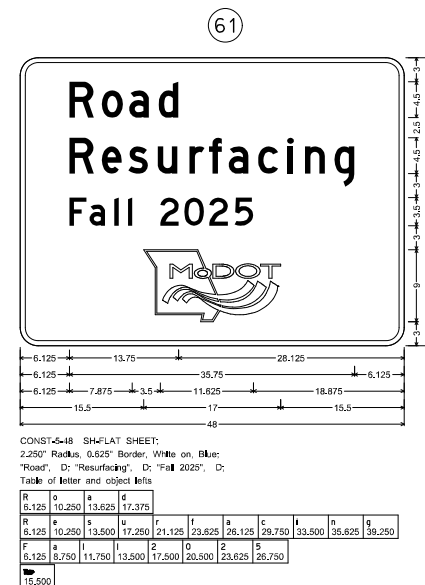
JEFFERSON CITY, MO 65102

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

MoDOT



- NOTES:
- SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 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 96 IN. 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

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER
PE-2006019679
PROFESSIONAL ENGINEER

08/06/2024 11:31:54 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
8/6/2024

ROUTE
C/PP/HH

STATE
MO

DISTRICT
CD

SHEET NO.
9

COUNTY
LACLEDE

JOB NO.
JCD0048

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)

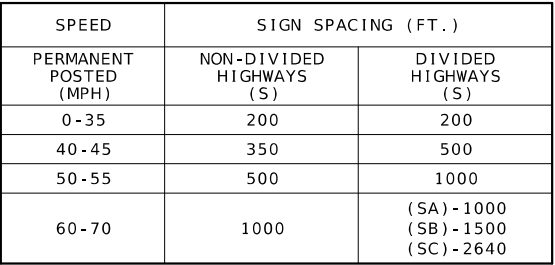
MODOT

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%





IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE ON 2-LANE ROAD
USING FLAGGERS
SHEET 4 OF 7



NOTES:
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION
WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER
INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY
THE ENGINEER.

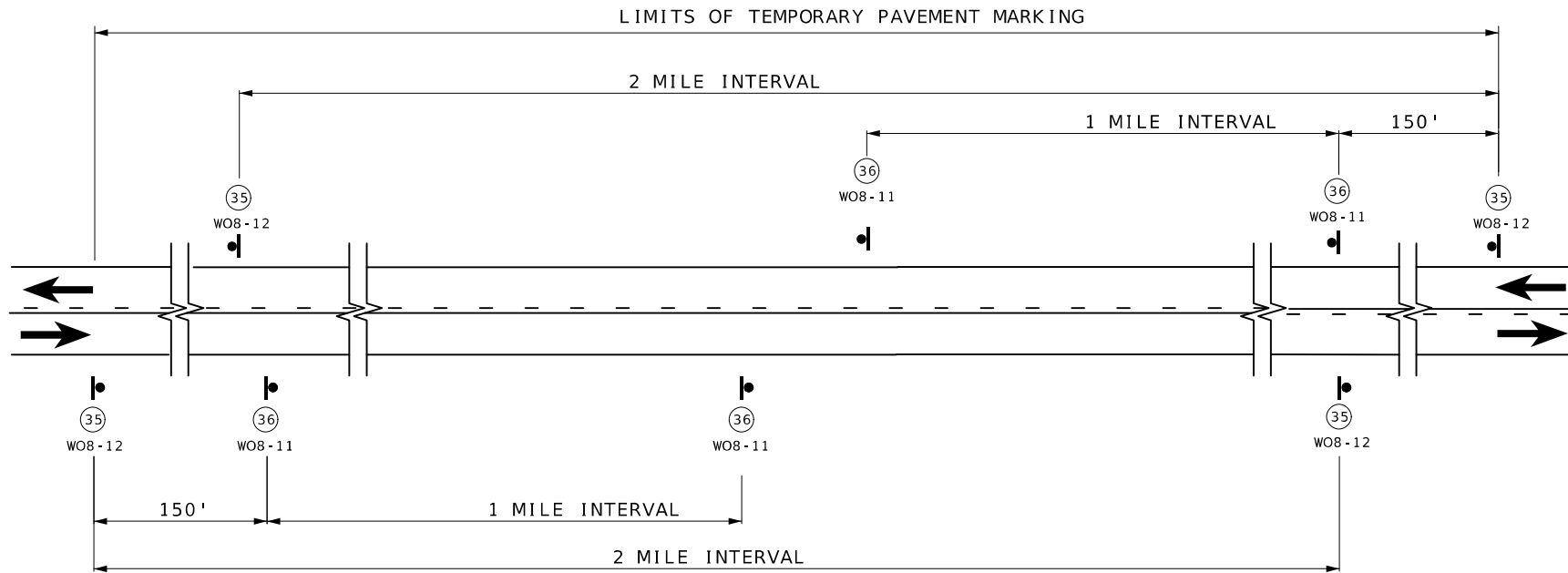
-  - CHANNELIZERS (AS SPECIFIED)
 - FLAGGER

SHALL BE USED ON ALL STATE
ROUTES AND MAY BE USED ON
ANY NON-STATE ROUTES, AS
DETERMINED BY THE ENGINEER.

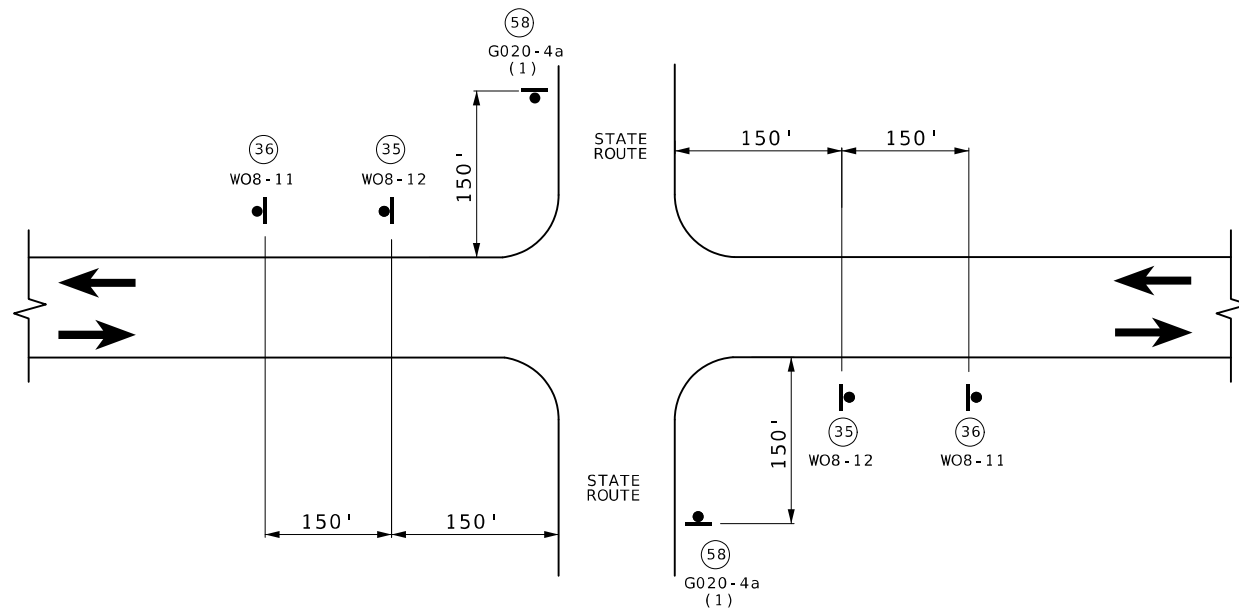
* THE SMALLER 18" X 12" SIGN
58 IS USED ON ALL OTHER
NON-STATE ROUTES (CITY STREETS,
COUNTY ROADS, ETC.).

SHALL ONLY BE USED
AT PRIVATE AND
COMMERCIAL ENTRANCES.
SEE STD PLAN 616.10

[illegible]



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.



GO20-4a

58



WO8-12

35



WO8-11

36

NOTES:

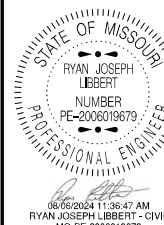
SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS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

NOT TO SCALE

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



DATE PREPARED
8/6/2024

ROUTE
C/PP/HH

DISTRICT
CD

STATE
MO

SHEET NO.
13

COUNTY
LACLEDE

JOB NO.
JCD0048

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

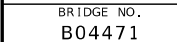


(3) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

TEMPORARY TRAFFIC CONTROL SHEET
STRIPING ON TWO-LANE HIGHWAY
SHEET 7 OF 7

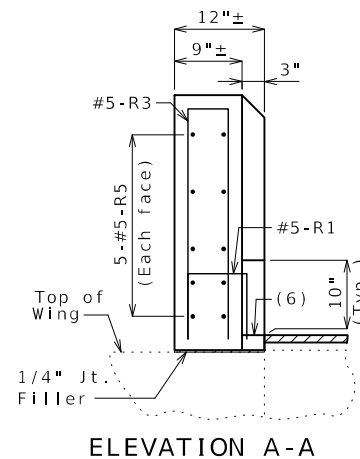
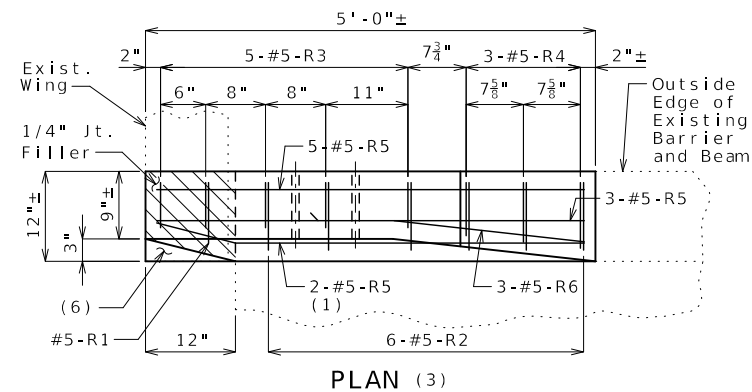
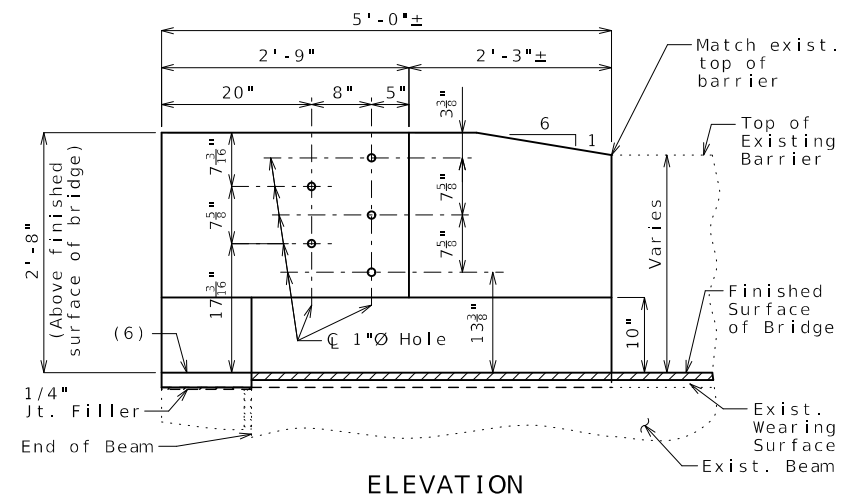
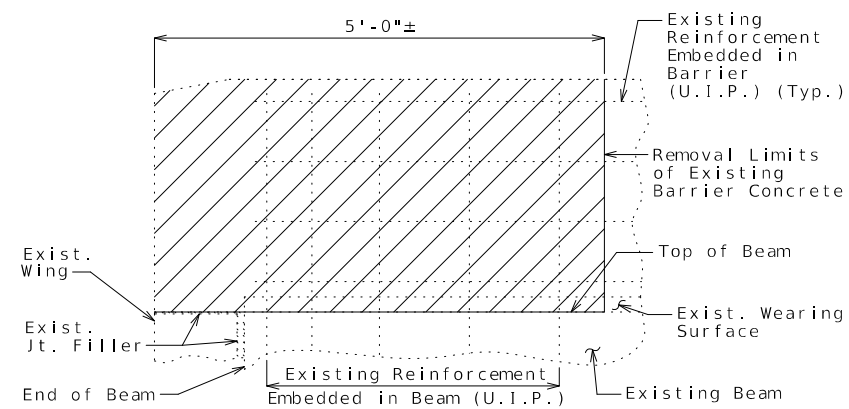


DATE PREPARED 8/6/2024	
ROUTE PP	STATE MO
DISTRICT BR	SHEET NO 1
COUNTY LACLEDE	
JOB NO. JCD0048	
CONTRACT ID.	
PROJECT NO.	

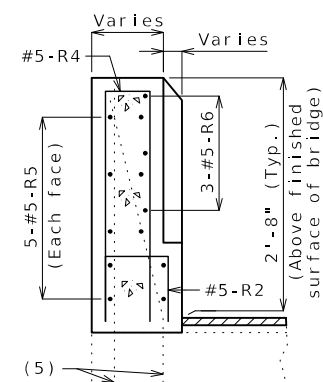
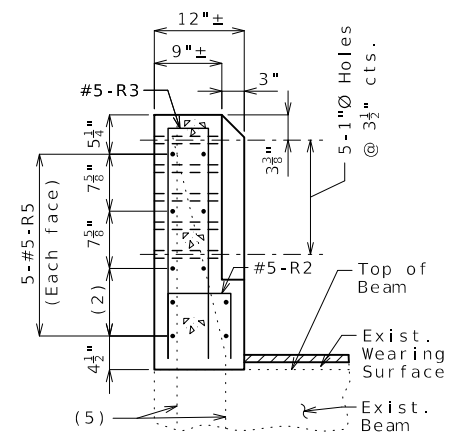
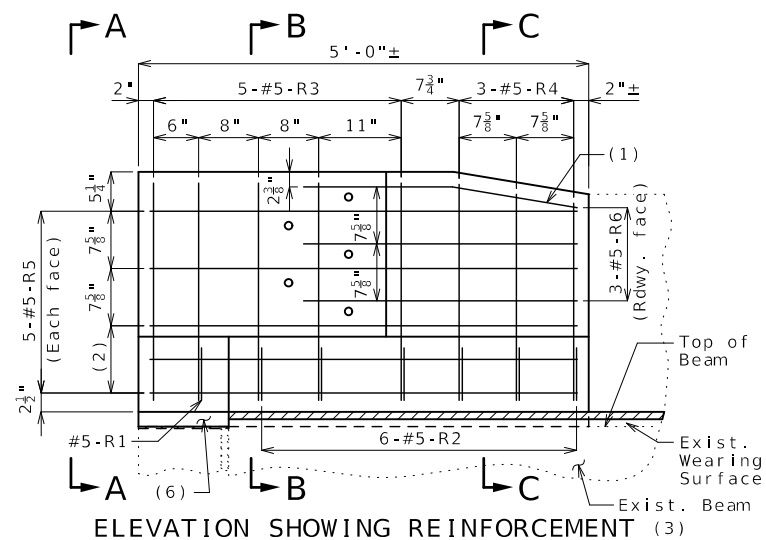
[illegible]

Estimated Quantities		
Item		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

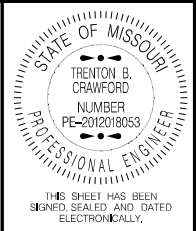
ROUTE PP FROM ROUTE C TO ROUTE J
ABOUT 0.7 MILE SOUTH OF ROUTE C
BEGINNING STATION 100+00.28± (MATCH EXISTING)



- (1) Bend in field.
- (2) 2 Spa. @ $4\frac{1}{2}$ "
- (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.



BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT



DATE PREPARED
8/6/2024

ROUTE PP	STATE MO
DISTRICT BR	SHEET NO. 2

COUNTY

LACLEDE

JOB NO.

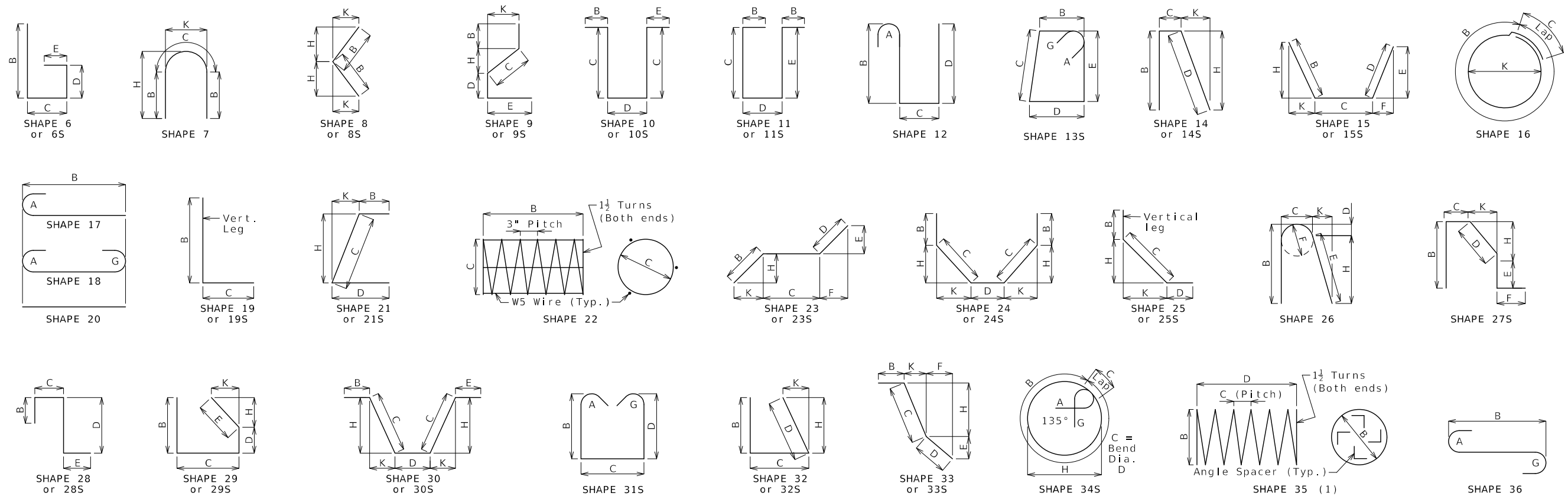
JCD0048

CONTRACT ID.

PROJECT NO.

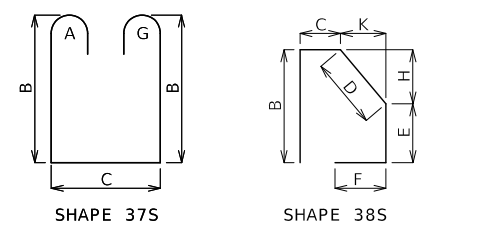
BRIDGE NO.
B04471[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



Finished Bend Dimensions 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 $\frac{3}{4}$ "	10"	7"	5"	
#6	1	4 $\frac{1}{2}$ "	12"	8 $\frac{1}{4}$ "	6"	
#7	2	5 $\frac{1}{4}$ "	14"	9 $\frac{3}{4}$ "	7"	
	3	7"	15"	11 $\frac{1}{2}$ "	8 $\frac{3}{4}$ "	
#8	2	6"	16"	11"	8"	
	3	8"	17"	13 $\frac{1}{4}$ "	10"	
#9	1	9 $\frac{1}{2}$ "	19 $\frac{1}{2}$ "	15 $\frac{1}{2}$ "	11 $\frac{3}{4}$ "	
#10	1	10 $\frac{3}{4}$ "	22"	17 $\frac{1}{2}$ "	13 $\frac{1}{4}$ "	
#11	1	12"	24 $\frac{1}{2}$ "	19 $\frac{1}{2}$ "	14 $\frac{7}{8}$ "	
#14	1	18 $\frac{1}{4}$ "	31 $\frac{1}{4}$ "	27 $\frac{1}{2}$ "	21 $\frac{5}{8}$ "	
#18	1	24"	41 $\frac{1}{2}$ "	36 $\frac{1}{4}$ "	28 $\frac{1}{2}$ "	
Stirrup Pin Bend Shapes (S)						
Size	Case	D	A or G			J
			90°	135°	180°	
#4	2	2"	4 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	5"	2 $\frac{7}{8}$ "
	3	3"	5"	5 $\frac{1}{4}$ "	6"	3"
#5	2	2 $\frac{1}{2}$ "	5 $\frac{3}{4}$ "	5 $\frac{3}{4}$ "	5 $\frac{3}{4}$ "	3 $\frac{3}{8}$ "
	3	3 $\frac{3}{4}$ "	6 $\frac{1}{4}$ "	6 $\frac{1}{4}$ "	7"	3 $\frac{3}{8}$ "
#6	1	4 $\frac{1}{2}$ "	12"	7 $\frac{3}{4}$ "	8 $\frac{1}{4}$ "	4 $\frac{5}{8}$ "
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.						

6d for #4 & #5,
12d for #6



BENDING DIAGRAMS

	Reinforcing Steel Totals (Pounds)							
		Substructure		Superstructure			Entire Bridge	
		Size	Plain	Epoxy	Slab	Barrier	Slip Form	Plain
By Size	W5	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0
	5	0	0	0	477	0	0	477
	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	477	0	0	477	

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

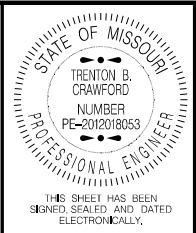
All dimensions are out to out.

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.



DATE PREPARED
8/6/2024

ROUTE PP	STATE MO
DISTRICT BR	SHEET NO. 3

COUNTY

LACLEDE

JOB NO.

JCD0048

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

B04471

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

