DESIGN DESIGNATION

<u>J9P3391 - ROUTE AB</u> A.A.D.T. - 2020 = 5597A.A.D.T. - 2040 = 6716D.H.V. = 10% T = 5% V = 50 M.P.H. FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL <u> J9S3464 - ROUTE K</u> A.A.D.T. - 2020 = 1100A.A.D.T. - 2040 = 1331D.H.V. = 10%T = 30%

FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

V = 50 M.P.H. D = 50%

CONVENTIONAL SYMBOLS

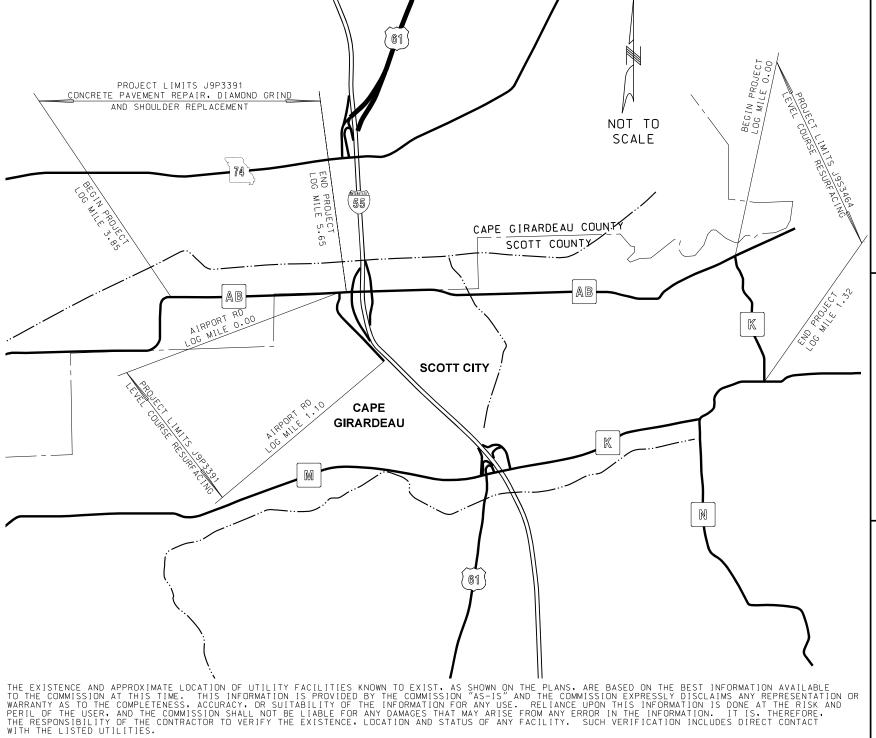
(USED IN PLAN	IS)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKEF STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER	0000 0000 11 77	••••
UTILITIES FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	-F0- -OTV- -UTV- -OT- -UT- -OE- -UE- -SS- -G- -W-	-0TV- -UTV- -0T-
MANHOLE	SAN)
FIRE HYDRANT	HYD	Ì
WATER VALVE	wv wm)
WATER METER	"".€)
DROP INLET	"[]
DITCH BLOCK	=	<u>-</u>
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE]
H-FRAME POWER POLE	H	
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	PED \(\triangle \)	
BENCHMARK	8)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

ROUTE AB/K CAPE GIRARDEAU/SCOTT COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
OUANTITIES (OU) (6 SHEETS)	3
SPECIAL SHEETS (SS)	4-7
TRAFFIC CONTROL SHEETS (TC)	8-18
EROSION CONTROL SHEETS (EC)	19

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LENGTH OF PROJECT

<u> J9P3391 - ROUTE AB</u>			
BEGINNING OF PROJECT	LOG M	ILE 3.85	
END OF PROJECT	LOG M	ILE 5.65	
APPARENT LENGTH		1.80	MILES
EQUATIONS AND EXCEPTIONS:			
AIRPORT RD LOG MILE 0.00	TO 1.10	+1.10	MILES
TOTAL CORRECTIONS		+1.10	MILES
NET LENGTH OF PROJECT		2.90	MILES
STATE LENGTH		2.90	MILES
FOR INFORMATION ONLY			
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		1.0	ACRES

<u> 1983464 - ROUTE K</u>		
BEGINNING OF PROJECT	LOG MILE 0.0	0
END OF PROJECT	LOG MILE 1.3	2
APPARENT LENGTH EQUATIONS AND EXCEPTIONS:	1.3	2 MILES

TOTAL CORRECTIONS	0.00	MILES
NET LENGTH OF PROJECT	1.32	MILES
STATE LENGTH	1.32	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.5	ACRES

EFK+Moen

10' EXISTING ASPHALT SHOULDER THRU EXISTING ASPHALT ENTRANCES 6" ASPHALT

SAW CUT (NO DIRECT PAY)

COMPACTED BASE

ENTRANCES

DISCLAIMER
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DATE PREPARED	
10/5/2021	

AB/K MO SHEET NO. DISTRICT SE

CAPE GIRARDEAU/SCOT

J9P3391 & J9S3464 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MAYS AND TRANS

314-394-3100 314-394-3199

EFK+MOen

Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
Suite

24' TRAVEL WAY
EXISTING JOINTED CONCRETE PAVEMENT 10' EXISTING 10' EXISTING SHOULDER 8" AGG. W/SEAL COAT SHOULDER 3" AGG. W/SEAL COAT € ROUTE AB COMPACTED BASE-COMPACTED BASE COMPACTED BASE LCONCRETE PAVEMENT REPAIR, DIAMOND GRIND, CLEAN & SEAL JOINTS

LOG MILE 3.85 TO LOG MILE 5.65

** CAN BE MODIFIED TO 1:1 WHERE EXISTING SLOPE DOES NOT ALLOW FOR SAFETY EDGE. *** PERMANENT AGGREGATE EDGE TREATMENT (AS 32' EXISTING ASPHALT PAVEMENT
LIMITS OF COLDMILL, TACK COAT & RESURFACING APPROVED BY THE ENGINEER) € AIRPORT ROAD SAFETY SLOPE EDGE *--SAFETY SLOPE EDGE * PERMANENT AGGREGATE -EDGE TREATMENT ** -- PERMANENT AGGREGATE EDGE TREATMENT ** MATCH EXIST. MATCH EXIST. \=================== ========= EXISTING EDGE OF PAVEMENT EXISTING EDGE OF --PAVEMENT 1" SURFACE LEVEL (PG64-22) NOTE: COLDMILL DEPTH TRANSITION 1"/50'

FEATHER DIAMOND GRINDING ONTO CONCRETE ENTRANCES AT NO DIRECT PAY

LOG MILE 0.00 TO LOG MILE 1.10

ESTIMATE FACTORS

TACK RATE - 0.08 GAL/SY BP-1 - 2.050 TON/CY SL(PG64-22) - 2.034 TON/CY

TYPICAL SECTIONS J9P3391 - ROUTE AB SHEET 1 OF 1

DISCLAIMER
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7/27/2021 AR/K MΟ SHEET NO SE 2 CAPE GIRARDEAU/SCOT

J9P3391 & J9S3464 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

WAYS AND TRANS

314-394-3100 314-394-3199

EFFK+MOen

Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
Suite 250
Phone 314-3
Suite 250
Factoric Authority Me 63021
Factoric Au

LOG MILE 0.02 TO LOG MILE 0.06

* CAN BE MODIFIED TO 1:1 WHERE EXISTING SLOPE DOES NOT ALLOW FOR SAFETY EDGE.

* CAN BE MODIFIED TO 1:1 WHERE EXISTING SLOPE DOES NOT ALLOW FOR SAFETY EDGE. ** PERMANENT AGGREGATE EDGE TREATMENT (AS APPROVED BY THE ENGINEER)

-SAFETY SLOPE EDGE *

— PERMANENT AGGREGATE EDGE TREATMENT ★★

COLDMILL DEPTH TRANSITION 1"/50'

-SAFETY SLOPE EDGE *

−PERMANENT AGGREGATE EDGE TREATMENT ***

-SAFETY SLOPE EDGE *

MATCH EXIST. EXISTING EDGE OF -

1" SURFACE LEVEL (PG64-22) -

COLDMILL DEPTH TRANSITION 1"/50'

ROUTE K WITH GUARDRAIL LOG MILE 0.40 TO 0.51 SB LOG MILE 0.47 TO 0.51 NB LOG MILE 1.10 TO 1.14 SB

LOG MILE 1.13 TO 1.15 NB

TYPICAL SECTIONS J9S3464 - ROUTE K SHEET 1 OF 1

Z:\20043_20043_Route AB OR_Route K\DGN\Design\Final\Plotsheets\002_TS_02_J9S3464_i5.dgn 11:19:47 AM 7/27/2021

PERMANENT AGGREGATE -EDGE TREATMENT ** SAFETY SLOPE EDGE #-PERMANENT AGGREGATE — EDGE TREATMENT **

LOG MILE 0.02 TO LOG MILE 0.06

-EXISTING EDGE OF PAVEMENT 1" SURFACE LEVEL (PG64-22) -SHOULDER

– ΤΔCΚ

SAFETY SLOPE EDGE *-

SAFETY SLOPE EDGE *-

SHOULDER

MATCH EXIST.

=========

1" SURFACE LEVEL (PG64-22)

EXISTING EDGE OF PAVEMENT

ROUTE N TO ROUTE AB LOG MILE 0.02 TO LOG MILE 1.32

24' EXISTING ASPHALT PAVEMENT

LIMITS OF COLDMILL, TACK COAT & RESURFACING € ROUTE K

24' EXISTING ASPHALT PAVEMENT
LIMITS OF COLOMILL, TACK COAT & RESURFACING

€ ROUTE K

========================

" SURFACE LEVEL (PG64-22)

MATCH EXIST.

EXISTING EDGE OF PAVEMENT

ESTIMATE FACTORS TACK RATE - 0.08 GAL/SY SL(PG64-22) - 2.034 TON/CY

REMOVAL OF					IMPROVEMENTS
LOG LOG					
MILE	MILE	LOCATION	S.Y.	EACH	REMARKS
3.85		WB ROUTE AB		1	SIGN ASSEMBLY POST-CURVE LEFT/SPEED LIMIT
3.90		WB ROUTE AB		1	SIGN POST-ADOPT A HIGHWAY
3.90		EB ROUTE AB		1	SIGN POST-SPEED LIMIT
3.91		WB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
3.91		EB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
3.99		WB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
3.99		EB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
4.03	5.72	EB ROUTE AB	188		REMOVAL OF FULL DEPTH PAVEMENT
4.03	5.72	WB ROUTE AB	233.3		REMOVAL OF FULL DEPTH PAVEMENT
4.03	5.72	ROUTE AB	133.3		REMOVAL OF FULL DEPTH PAVEMENT IN CONC APPROACHES
4.07		WB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
4.37		EB ROUTE AB		1	SIGN POST-RAILROAD CROSSING
4.46		WB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
4.48		WB ROUTE AB		1	SIGN POST-NO PARKING ANY TIME
4.52		WB ROUTE AB		1	SIGN POST-RAILROAD CROSSING
4.71		EB ROUTE AB		1	SIGN POST-ADOPT A HIGHWAY
4.78		WB ROUTE AB		1	SIGN POST-SPEED LIMIT
4.78		EB ROUTE AB		1	SIGN POST-SPEED LIMIT
5.43		EB ROUTE AB		2	SIGN POSTS-GUIDE SIGN
5.46		WB ROUTE AB		1	SIGN POST-SPEED LIMIT
5.46		EB ROUTE AB		1	SIGN POST-SPEED LIMIT
5.48		EB ROUTE AB		2	SIGN POSTS-CITY LIMIT
5.52		WB ROUTE AB		1	SIGN ASSEMBLY POST-ROUTE DIRECTION
5.52		WB ROUTE AB		2	SIGN POSTS-GUIDE SIGN
5.55		EB ROUTE AB		1	SIGN ASSEMBLY POST-JUNCTION
5.62		EB ROUTE AB		2	SIGN POSTS-GUIDE SIGN
5.65		EB ROUTE AB		1	SIGN ASSEMBLY POST-JUNCTION
5.65		WB ROUTE AB		1	SIGN POST-ROUTE MARKER
		PAY TOTAL	1 LUMF	P SUM	

CRACK SEALING							
LDG LDG			PCCP JOINT/ CRACK SEALING	DEMARKS			
MILE	MILE	LOCATION	L.F.	REMARKS			
3.85	4.43	ROUTE AB	3,063	CENTERLINE JOINT			
4.44	5.65	ROUTE AB	6,389	CENTERLINE JOINT			
3.85		ROUTE AB	24	TRANSVERSE JOINT			
3.86	3.92	ROUTE AB	144	TRANSVERSE JOINT			
3.93	4.09	ROUTE AB	360	TRANSVERSE JOINT			
4.10	4.30	ROUTE AB	456	TRANSVERSE JOINT			
4.31	4.33	ROUTE AB	72	TRANSVERSE JOINT			
4.34	4.37	ROUTE AB	96	TRANSVERSE JOINT			
4.37	4.43	ROUTE AB	360	TRANSVERSE JOINT			
4.47	4.53	ROUTE AB	168	TRANSVERSE JOINT			
4.54	4.68	ROUTE AB	336	TRANSVERSE JOINT			
4.69	4.89	ROUTE AB	1,140	TRANSVERSE JOINT			
4.90	5.26	ROUTE AB	792	TRANSVERSE JOINT			
5.26	5.32	ROUTE AB	420	TRANSVERSE JOINT			
5.32	5.51	ROUTE AB	432	TRANSVERSE JOINT			
5.51	5.54	ROUTE AB	96	TRANSVERSE JOINT			
5.54	5.57	ROUTE AB	96	TRANSVERSE JOINT			
5.58	5.65	ROUTE AB	307	TRANSVERSE JOINT			
		SUBTOTAL	14751				
		PAY TOTAL	14751				

	DIAMOND GRINDING							
			D I AMOND					
LOG	LOG		GRINDING					
MILE	MILE	LOCATION	(CONCRETE PAVEMENT)	REMARKS				
			S.Y.					
3.85	4.43	ROUTE AB	8,168.0	24' WIDE TRAVELWAY				
4.44	5.57	ROUTE AB	15,912.0	24' WIDE TRAVELWAY				
5.57	5.65	ROUTE AB	2,222.2	MAINLINE W/ TURN LANES				
		SUBTOTAL	26302.2					
		PAY TOTAL	26302					

EROSION CONTROL								
				ALTERNATE				
	LOG	LOG		DITCH	SILT	SEDIMENT		
	MILE	MILE	LOCATION	CHECK	FENCE	REMOVAL	REMARKS	
				L.F.	L.F.	C.Y.		
	3.85	5.65	EB ROUTE AB	1164	9263	190		
	3.85	5.65	WB ROUTE AB	1176	8292	181		
			SUBTOTAL	2340	17555	371		
			PAY TOTAL	2340	17555	371		

MOBILIZATION	1 LUMP SUM
CONTRACTOR FURNISHED SURVEYING AND STAKING	1 LUMP SUM
SEEDING	1 ACRE
TEMPORARY SEEDING AND MULCH	0.5 ACRE

				SHOULDER	RS	
LOG MILE	LOG MILE	LOCATION	SHOULDER WIDTH FT	BIT. PAVEMENT MIXTURE PG64-22 (BP-1) 5 IN.	BIT. PAVEMENT MIXTURE PG64-22 (BP-1) 8 IN.	REMARKS
3.85	4.03	EB ROUTE AB	10	245.81	87.57	APRROX, ENTRANCE WIDTH 173 LF
3.85	3.92	WB ROUTE AB	10	103.45	24.30	APPROX. ENTRANCE WIDTH 48 LF
3.93	3.96	WB ROUTE AB	10	53.78	0.00	AFFROX: ENTRANCE WIDTH 48 LF
3.97	4.03	WB ROUTE AB	10	93.33	0.00	
4.04	4.20	WB ROUTE AB	10	240.43	45.56	APPROX. ENTRANCE WIDTH 90 LF
4.04	4.09	EB ROUTE AB	10	91.74	0.00	ATTROX: ENTRAIGE WISTINGS ET
4.11	4.16	EB ROUTE AB	10	79.09	0.00	
4.18	4.20	EB ROUTE AB	10	33.22	0.00	
4.21	4.32	WB ROUTE AB	10	186.65	0.00	
4.21	4.25	EB ROUTE AB	10	58.53	0.00	
4.29	4.32	EB ROUTE AB	10	50.62	0.00	
4.33	4.37	WB ROUTE AB	10	63.27	17.72	APPROX. ENTRANCE WIDTH 35 LF
4.34	4.36	EB ROUTE AB	10	44.29	0.00	
4.38	4.47	EB ROUTE AB	10	164.51	0.00	
4.38	4.42	WB ROUTE AB	10	69.60	0.00	
4.43	4.48	WB ROUTE AB	10	69.60	20.25	APPROX. ENTRANCE WIDTH 40 LF
4.48	4.59	EB ROUTE AB	10	155.02	40.49	APPROX. ENTRANCE WIDTH 80 LF
4.50	4.62	WB ROUTE AB	10	167.67	50.62	APPROX. ENTRANCE WIDTH 100 LF
4.61	5.57	EB ROUTE AB	10	1.553.32	96.17	APPROX. ENTRANCE WIDTH 190 LF
4.64	4.88	WB ROUTE AB	10	363.81	50.62	APPROX. ENTRANCE WIDTH 100 LF
4.89	5.14	WB ROUTE AB	10	354.32	106.30	APPROX. ENTRANCE WIDTH 210 LF
5.15	5.23	WB ROUTE AB	10	126.54	0.00	
5.24	5.44	WB ROUTE AB	10	278.40	80.99	APPROX. ENTRANCE WIDTH 160 LF
5.45	5.47	WB ROUTE AB	10	28.47	0.00	
5.48	5.57	WB ROUTE AB	10	117.05	50.62	APPROX. ENTRANCE WIDTH 100 LF
			SUBTOTAL	4792.52	671.21	PG64-22 (BP-1)
			PAY TOTAL		5463.7	EST @ 2.050 TONS/CY

		COMPAC	TED BASE	
LOG	LOG MILE	LOCATION	COMPACTING IN CUT STA.	REMARKS
3.85	5.65	ROUTE AB	95.04	
		SUBTOTAL	95.04	
		PAY TOTAL	95	

		SHOUL	DER GRA	AD I NG
LOG MILE	LOG MILE	LOCATION	SHOULDER GRADING 100 FT.	REMARKS
3.85	5.65	ROUTE AB	95.04	
		SUBTOTAL	95.04	
		PAY TOTAL	95.0	

QUANTITY SHEET J9P3391 - ROUTE AB SHEET 1 OF 4



DATE PE	REPARED
10/5/	2021
ROUTE	STATE
AB/K	MO
DICTRICT	CHEET NO

DISTRICT SE

COUNTY
CAPE GIRARDEAU/SCOTT
JOB NO.
J9P3391 & J9S3464
CONTRACT ID.

PROJECT NO.

GHWAYS AND TRANSPORTATION COMMISSION

EFK+MOen

Civil Engineering Design

Suite 250
St. Louis, MO 63021

Missouri Certificate of Authority: 001578

						PAVEME	NT REPAIR			
LOG MILE	LOG MILE	LOCATION	FURNISHING & PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR	FULL DEPTH PAVEMENT REPAIR SAW CUT	DOWEL BAR FOR FULL DEPTH PAVEMENT REPAIR	TYPE 5 AGGREGATE FOR BASE (4 IN) PAVEMENT REPAIR	SUBGRADE COMPACTION (6 IN. DEPTH) PAVEMENT REPAIR	FURNISHING & PLACING CONCRETE MATERIAL FOR FOR CLASS A PARTIAL DEPTH PAVEMENT REPAIR	REMOVAL FOR CLASS A PARTIAL DEPTH PAVEMENT REPAIR	REMARKS
			S.Y.	L.F.	EA.	S.Y.	S.Y.	C.Y.	S.Y.	
4.026	5.717	EB ROUTE AB	188.0	936.0	620	18.8	18.8	4.32	25.9	
4.026	5.717	WB ROUTE AB	233.3	1142.0	760	23.3	23.3	3.57	21.4	
4.026	5.717	ROUTE AB	133.3	480.0	400	13.3	13.3			REPAIRS ON CONCRETE PAVED APPROACHES
		SUBTOTAL	554.6	2558.0	1780	55.5	55.5	7.89	47.3	
		PAY TOTAL	554.6	2558	1780	56	56	7.9	47.3	

	ROUTE AB	EAST BOUND PA	VEMENT	REPAIR LOCAT	IONS
LOG	FULL DEPTH	PARTIAL DEPTH	LOG	FULL DEPTH	PARTIAL DEPTH
MILE	PAVEMENT REPAIR	PAVEMENT REPAIR	MILE	PAVEMENT REPAIR	PAVEMENT REPAIR
	S.Y.	S.Y.		S.Y.	S.Y.
4.026	8	0	4.767	0	0.44
4.037	4	0	4.78	0	0.33
4.051	8	0	4.816	0	0.33
4.059	0	0.89	4.827	0	0.44
4.06	0	0.67	4.839	0	0.44
4.085	0	0.22	4.85	0	0.22
4.091	0	0.67	4.932	4	0
4.175	8	0	4.943	0	0.89
4.206	0	0.33	4.989	4	0
4.23	0	0.67	5	8	0
		0.89	5.012	0	0.89
4.267	0	0.89		0	0.89
4.314	0	0.89	5.036	0	0.11
4.345	8	0	5.047	8	0
4.371	8	0	5.095	8	0
4.394	0	0.33	5.107	8	0
		0.22	5.118	8	0
4.405	4	0	5.129	0	1.33
4.418	0	1.78	5.2	0	0.22
4.441	4	0	5.227	8	0
4.473	0	0.89	5.27	4	0
4.49	0	0.89	5.362	8	0
		0.44	5.373	4	0
4.512	4	0.67	5.409	0	0.67
4.536	8	0	5.421	4	0
4.559	0	0.22	5.443	8	0
		0.89	5.466	4	0
4.57	0	0.89	5.491	0	1
		0.67	5.514	4	0
4.605	0	0.44	5.536	8	0
4.613	0	0.33	5.548	4	0
4.636	0	0.44	5.584	4	0
4.721	0	0.44	5.606	4	0
4.732	0	0.56	5.618	0	0.33
4.744	8	0	5.652	4	0
4.755	0	1.11			

INFORMATIONAL	PURPOSES	UNLY.	SEE	PAVEMENT	REPAIR	TABLE	F OR	TUTALS

LOG	FULL DEPTH	PARTIAL DEPTH	LOG	FULL DEPTH	PARTIAL DEPTH
MILE	PAVEMENT REPAIR	PAVEMENT REPAIR	MLIE	PAVEMENT REPAIR	PAVEMENT REPAI
	S.Y.	S.Y.		S.Y.	S.Y.
4.051	0	1.11	4.605	8	0
4.059	8	0	4.64	0	0.44
4.068	8	0		0	0.11
4.07	0	0.67	4.663	4	0.22
	0	0.67	4.721	8	0
4.085	8	0	4.732	0	0.22
4.117	8	0		0	0.22
4.129	8	0	4.744	8	0
4.141	0	0.44	4.755	0	1.33
4.146	0	0.33	4.767	0	0.44
	0	0.22	4.827	4	0
4.175	0	0.11	4.839	0	0.22
4.177	0	0.11	4.873	8	0
	0	0.22	4.909	0	0.44
4.186	4	0	4.92	4	0
4.209	8	0	4.932	0	0.89
4.256	8	0	4.943	0	0.89
4.267	4	0	4.978	0	0.22
4.304	0	0.22	4.989	0	0.44
4.314	0	0.67	5.036	4	0
	0	0.44	5.047	0	0.89
4.324	0	0.11	5.118	4	0
4.325	0	0.67	5.129	0	0.56
4.334	8	0	5.27	0	0.11
4.348	0	0.44	5.281	0	0.22
4.357	8	0	5.339	8	0
4.418	0	0.67	5.362	4	0
4.43	4	0	5.373	4	0
4.441	0	0.33	5.443	4	0
	0	0.33	5.466	0	2.67
4.473	4	0	5.477	0	0.22
4.49	4	0	5.536	4	0
4.504	0	0.67	5.548	4	0
4.512	4	0	5.571	4	0
4.536	8	0	5.606	0	0.33
4.547	4	0		0	0.33
4.559	8	0	5.629	4	0
4.57	4	0	5.652	8	0
4.581	0	0.44	5.664	0	0.67
	0	0.44	5.717	17.3	0

INFORMATIONAL PURPOSES ONLY, SEE PAVEMENT REPAIR TABLE FOR TOTALS

QUANTITY SHEET J9P3391 - ROUTE AB SHEET 2 OF 4 POLITICAL PREPARED

TATE PREPARED

7/28/2021

ROUTE STATE
AB/K MO
DISTRICT SHEET NO.
SE 3

COUNTY

CAPE GIRARDEAU/SCOTI

JOB NO.

J9P3391 & J9S3464

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

COMMISSION

105 WEST CAPITOL

314-394-3100

EFK+MOen

Civil Engineering Design

13223 Barrett Parkway Dr
Suite 250 Suite

			PERMA	NENT AG	GREGATE EDGE TREAT	MENT	
					PERMANENT AGGREGATE	FOG	
LOG	LOG	LOCATION	LENGTH	WIDTH	EDGE TREATMENT	SEAL	REMARKS
MILE	MILE				TON	GAL	
0.00	0.61	SB AIRPORT RD	3221	2	54.9	178.9	
0.00	0.61	NB AIRPORT RD	3221	2	54.9	178.9	
0.63	1.10	SB AIRPORT RD	2482	2	42.3	137.9	
0.63	1.10	NB AIRPORT RD	2482	2	42.3	137.9	
				SUBTOTAL	194.4	633.6	PERM AGG EDGE = 90 TONS/MILE
				PAY TOTAL	194	634	FOG SEAL = 0.25 GAL/SY

			LEVEL	COURSE RES	SURFACIN	IG
LOG MILE	LOG MILE	LOCATION	PAVEMENT AREA	1 IN. SURFACE LEVEL (64-22)	TACK COAT	REMARKS
			S.F.	TON	GAL	
0.00	0.61	AIRPORT RD	103,072	647.06	916.2	END AT BRIDGE END
0.63	1.10	AIRPORT RD	79.424	498.61	706.0	BEGIN AT BRIDGE END
0.18		AIRPORT RD	100	0.63	0.9	PAVED ENTRANCE
0.22		AIRPORT RD	180	1.13	1.6	PAVED ENTRANCE
0.25		AIRPORT RD	90	0.57	0.8	PAVED ENTRANCE
0.27		AIRPORT RD	120	0.75	1.1	NON-PAVED W/ APRON
0.33		AIRPORT RD	140	0.88	1.2	PAVED ENTRANCE
0.36		AIRPORT RD	120	0.75	1.1	PAVED ENTRANCE
0.39		AIRPORT RD	130	0.82	1.2	PAVED ENTRANCE
0.42		AIRPORT RD	140	0.88	1.2	PAVED ENTRANCE
0.45		AIRPORT RD	220	1.38	2.0	PAVED ENTRANCE
0.47		AIRPORT RD	110	0.69	1.0	PAVED ENTRANCE
0.51		AIRPORT RD	2.070	13.00	18.4	PAVED ENTRANCE
0.54		AIRPORT RD	2.250	14.13	20.0	PAVED ENTRANCE
0.66		AIRPORT RD	140	0.88	1.2	PAVED FIELD ENTRANCE
0.82		AIRPORT RD	1.100	6.91	9.8	PAVED ENTRANCE
0.00	0.61	AIRPORT RD		30.50		50 TONS/MILE FOR IRREGULARITIES
0.63	1.10	AIRPORT RD		23.50		50 TONS/MILE FOR IRREGULARITIES
			SUBTOTAL	1243.07	1683.7	SURFACE LEVELING EST @ 2.034 TON/C
		-	PAY TOTAL	1243.1	1684	TACK COAT EST @ 0.08 GAL/S

		GRAVEL A OR	R CRUSHED STONE B
		GRAVEL A OR	
LOG		CRUSHED STONE B	REMARKS
MILE	LOCATION	6 IN THICK	
		TONS	
0.27	AIRPORT RD	3.1	NON-PAVED ENTRANCE W/ APRON - 1.4 TONS/C.Y.
0.30	AIRPORT RD	1.6	NON-PAVED ENTRANCE W/O APRON - 1.4 TONS/C.Y.
	SUBTOTAL	4.7	
	PAY TOTAL	5	

				PAVEMENT N	MARKING		
LOG MILE	LOG MILE	LOCATION	4 IN WATERBORNE PAVEMENT MARKING TYPE P BEADS YELLOW	4 IN WATERBORNE PAVEMENT MARKING TYPE P BEADS WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24 IN WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING R/R CROSSING MARKER	REMARKS
			L.F.	L.F.	L.F.	EA.	
3.85	5.65	ROUTE AB		19220			WHITE EDGE LINES
3.85	5.65	ROUTE AB	2403				DASHED YELLOW
4.36	4.50	ROUTE AB	745				SOLID YELLOW
4.41	4.42	EB ROUTE AB			12	1	SEE NOTE (1)
4.44	4.45	WB ROUTE AB			12	1	SEE NOTE (1)
0.01	0.05	AIRPORT RD	400				DOUBLE YELLOW
0.05	1.10	AIRPORT RD	1386				DASHED YELLOW
		SUBTOTAL	4934	19220	24	2	
		PAY TOTAL	4934	19220	24	2	

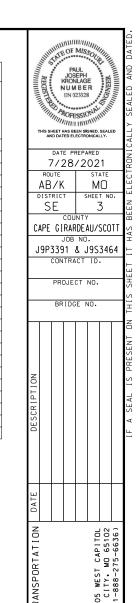
⁽¹⁾ SEE STANDARD PLAN 620.00 FOR STOP BAR PLACEMENT DETAILS. PLACE RAILROAD SYMBOL 50 FEET FROM STOP BAR.

SIGNS							
LDG		2 IN.	ANCHOR				
MILE	LOCATION	PSST	12 GA				
		LF	LF	REMARKS			
3.85	WB ROUTE AB	16.0	3.0	SIGN ASSEMBLY-CURVE LEFT/SPEED LIMIT			
3.90	WB ROUTE AB	16.0	3.0	SIGN-ADOPT A HIGHWAY			
3.90	EB ROUTE AB	16.0	3.0	SIGN-SPEED LIMIT			
3.91	WB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
3.91	EB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
3.99	WB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
3.99	EB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
4.07	WB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
4.37	EB ROUTE AB	16.0	3.0	SIGN-RAILROAD CROSSING			
4.46	WB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
4.48	WB ROUTE AB	16.0	3.0	SIGN-NO PARKING ANY TIME			
4.52	WB ROUTE AB	16.0	3.0	SIGN-RAILROAD CROSSING			
4.71	EB ROUTE AB	16.0	3.0	SIGN-ADOPT A HIGHWAY			
4.78	WB ROUTE AB	16.0	3.0	SIGN-SPEED LIMIT			
4.78	EB ROUTE AB	16.0	3.0	SIGN-SPEED LIMIT			
5.43	EB ROUTE AB	32.0	6.0	SIGN-GUIDE SIGN			
5.46	WB ROUTE AB	16.0	3.0	SIGN-SPEED LIMIT			
5.46	EB ROUTE AB	16.0	3.0	SIGN-SPEED LIMIT			
5.48	EB ROUTE AB	32.0	6.0	SIGN-CITY LIMIT			
5.52	WB ROUTE AB	16.0	3.0	SIGN ASSEMBLY-ROUTE DIRECTION			
5.52	WB ROUTE AB	32.0	6.0	SIGN-GUIDE SIGN			
5.55	EB ROUTE AB	16.0	3.0	SIGN ASSEMBLY-JUNCTION			
5.62	EB ROUTE AB	32.0	6.0	SIGN-GUIDE SIGN			
5.65	EB ROUTE AB	16.0	3.0	SIGN ASSEMBLY-JUNCTION			
5.65	WB ROUTE AB	16.0	3.0	SIGN-ROUTE MARKER			
	SUBTOTAL	464.0	87.0				
	PAY TOTAL	464	87				

		PAY T	OTAL		464			87
* ALL	EXISTING	SIGNS	ARE	ТО	BE	REU	SED	

		1.1.00111	ED COLDMILLIN	
LOG	LOG		COLDMILLING FOR	
MILE	MILE	LOCATION	DEPTH TRANSITION	REMARKS
			S.Y.	
0.00	0.01	AIRPORT RD	300.0	BEGIN
0.18		AIRPORT RD	11.1	PAVED ENTRANCE
0.22		AIRPORT RD	20.0	PAVED ENTRANCE
0.25		AIRPORT RD	10.0	PAVED ENTRANCE
0.27		AIRPORT RD	13.3	NON-PAVED W/ APRON
0.33		AIRPORT RD	15.6	PAVED ENTRANCE
0.36		AIRPORT RD	13.3	PAVED ENTRANCE
0.39		AIRPORT RD	14.4	PAVED ENTRANCE
0.42		AIRPORT RD	15.6	PAVED ENTRANCE
0.45		AIRPORT RD	24.4	PAVED ENTRANCE
0.47		AIRPORT RD	12.2	PAVED ENTRANCE
0.51		AIRPORT RD	13.3	PAVED ENTRANCE
0.54		AIRPORT RD	14.4	PAVED ENTRANCE
0.60	0.61	AIRPORT RD	177.8	BRIDGE END
0.63	0.64	AIRPORT RD	177.8	BRIDGE END
0.66		AIRPORT RD	15.6	PAVED FIELD ENTRANCE
0.82		AIRPORT RD	122.2	PAVED ROAD
1.09	1.10	AIRPORT RD	210.0	END

QUANTITY SHEET J9P3391 - ROUTE AB SHEET 3 OF 4



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

TAPPOT

105 WEST CAPITOL
JEFFERSON CITY. MG 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK+MOen

Civil Engineering Design
13523 Barrett Parkway Dr.
Suite 250
St. Louis, MO 63021
St. Louis, MO 63021
Fax 314-394-3199
Missouri Certificate of Authority: 001578

					EFFECTIVE: 04-01-20
TOTAL QTY TOTAL SIG			AL SIGN		
SIZE AREA OTY AREA RELOC RELOC NUM	ı•	SIZE AREA QTY TOTAL RELOC REL	OC NUM.		
SIGN IN. SQ.FT. EACH SQ.FT. EACH SQ.FT.		SIGN IN SO.FT EACH SO.FT EACH SO.F	т.	I TEM	TOTAL
WARNING SIGNS	DESCRIPTION	GUIDE SIGNS	DESCRIPTION	NUMBER	QTY DESCRIPTION
01-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1 36X48 12.00	GORE EXIT	6122008	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
01-1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)	E05-2 48X36 12.00	EXIT OPEN	6122009	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
01-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36 12.00	EXIT CLOSED	6122010	IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
D1-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	G020-1 60X24 10.00 2 20.00	1 ROAD WORK NEXT XX MILES	6122012	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
D1-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT ARROW)	G020-2 48X24 8.00 2 16.00	26 END ROAD WORK	6122014	IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
/D1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	G020-4 36X18 4.50	PILOT CAR FOLLOW ME	6122017	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
D1-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a 42X30 8.75 2 17.50	PILOT CAR IN USE WAIT & FOLLOW	6122019	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
VD1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4a 18X12 1.50	PILOT CAR IN USE WAIT & FOLLOW	6122020	REPLACEMENT SAND BARREL
O1-4bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	G020-5aP 36X24 6.00 4 24.00	54 WORK ZONE (PLAQUE)	6122030	IMPACT ATTENUATOR (RELOCATION)
01-4bR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a 24X18 3.00	END DETOUR	6123000A	2 TRUCK OR TRAILER MOUNTED ATTENUATOR (TM
D1-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L 48X36 12.00	DETOUR (LEFT ARROW)	6161008	4 ADVANCED WARNING RAIL SYSTEM
D1-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R 48X36 12.00	DETOUR (RIGHT ARROW)	6161012	BUOYS (BOATS KEEP OUT)
D1-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	MO4-9P 48X12 4.00	STREET NAME (PLAQUE)	6161013	BUOYS (NO WAKE)
D1-6a 72X36 18.00	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L 48X18 6.00	DETOUR (ARROW LEFT)	6161014	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
01-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R 48X18 6.00	DETOUR (ARROW RIGHT)	6161025	
01-7a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIG		6161030	TYPE III MOVEABLE BARRICADE
01-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48 13.25	STOP	6161033	DIRECTION INDICATOR BARRICADE
01-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI 6.93	YIELD	6161040	FLASHING ARROW PANEL
03-1 48X48 16.00	STOP AHEAD (SYMBOL)	R1-2a 36X36 9.00	TO ONCOMING TRAFFIC (PLAQUE)	6161047	TYPE III OBJECT MARKER
D3-2 48X48 16.00	YIELD AHEAD (SYMBOL)	R1-3P 30X12 2.50	ALL WAY (PLAQUE)	6161051	WARNING LIGHT, TYPE A
D3-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1 36X48 12.00 8 96.00	4/25 SPEED LIMIT XX	6161052	WARNING LIGHT, TYPE B
	BE PREPARED TO STOP	R3-1 48X48 16.00	NO RIGHT TURN (SYMBOL)	6161053	WARNING LIGHT, TYPE C
D3-5 48X48 16.00	SPEED LIMIT AHEAD	R3-2 48X48 16.00	NO LEFT TURN (SYMBOL)	6161055	SEQUENTIAL FLASHING WARNING LIGHT
04-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3 36X36 9.00	NO TURNS	6161070	TUBULAR MARKER
04-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.00	NO U-TURN (SYMBOL)	6161095	RADAR SPEED ADVISORY SYSTEM
04-1aL 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7L 30X30 6.25	LEFT LANE MUST TURN LEFT		CHANGEABLE MESSAGE SIGN.
04-1aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7R 30X30 6.25	RIGHT LANE MUST TURN RIGHT	6161096	COMMISSION FURNISHED/RETAINED
/05-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.00	DO NOT PASS		CHANGEABLE MESSAGE SIGN W/O COMM.
05-3 48X48 16.00	ONE LANE BRIDGE	R4-2 36X48 12.00	PASS WITH CARE	6161098A	INTERFACE, CONTRACTOR FURNISHED/RETAINE
05-5 48X48 16.00	NARROW LANES	R4-8a 36X48 12.00	KEEP LEFT (HORIZONTAL ARROW)		CHANGEABLE MESSAGE SIGN WITH COMM.
/D6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-7a 36X48 12.00	KEEP RIGHT (HORIZONTAL ARROW)	6161099	INTERFACE, CONTRACTOR FURNISHED/RETAINE
06-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R5-1 30X30 6.25	DO NOT ENTER	6162000A	WORK ZONE TRAFFIC SIGNAL SYSTEM
06-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a 36X24 6.00	WRONG WAY	6162002	TEMPORARY LONG-TERM RUMBLE STRIPS
07-3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R6-1L 54X18 6.75	ONE WAY ARROW (LEFT)	6162004	TEMPORARY SHORT-TERM RUMBLE STRIPS
/D8-1 48X48 16.00	BUMP	R6-1R 54X18 6.75	ONE WAY ARROW (RIGHT)		TEMPORARY TRAFFIC BARRIER
08-2 48X48 16.00	DIP	R6-2L 24X30 5.00	ONE WAY (LEFT)	6173600D	CONTRACTOR FURNISHED/RETAINED
/D8-3 48X48 16.00	PAVEMENT ENDS	R6-2R 24X30 5.00	ONE WAY (RIGHT)		TEMPORARY TRAFFIC BARRIER
VD8-4 48X48 16.00	SOFT SHOULDER	R9-9 24X12 2.00	SIDEWALK CLOSED	6173602B	CONTRACTOR FURNISHED/COMMISSION RETAINE
/08-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)	1 2 44 2 44 7 2 2	SIDEWALK CLOSED AHEAD,	6174000A	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
08-6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R9-11L 24X18 3.00	(ARROW LEFT) CROSS HERE	6175010A	RELOCATING TEMPORARY TRAFFIC BARRIER
08-6c 48X48 16.00	TRUCK ENTRANCE	H _{DO 44B} _{24Y4B} ₇₋₀₀	SIDEWALK CLOSED AHEAD,	64760000	TEMPORARY TRAFFIC BARRIER
08-7 36X36 9.00	LOOSE GRAVEL	R9-11R 24X18 3.00	(ARROW RIGHT) CROSS HERE	6176000B	COMMISSION FURNISHED/RETAINED
08-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.00	STOP HERE ON RED (45° ARROW)	64770000	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
08-9 48×48 16.00 2 32.00	LOW SHOULDER	R11-2 48X30 10.00	ROAD CLOSED	6177000B	
08-11 48X48 16.00 6 96.00	UNEVEN LANES	1 24 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ROAD CLOSED XX MILES AHEAD	6208064A	
08-12 48X48 16.00 4 64.00	NO CENTER LINE	R11-3a 60X30 12.50	LOCAL TRAFFIC ONLY	9029400	TEMPORARY TRAFFIC SIGNALS
08-15 48X48 16.00	GROOVED PAVEMENT	R11-4 60X30 12.50	ROAD CLOSED TO THRU TRAFFIC	9029401	TEMPORARY TRAFFIC SIGNALS AND LIGHTING
08-15P 30X24 5.00	MOTORCYCLE (PLAQUE)	CONST 3X 5CV13 4 C7	FINE SIGN	P131000	19,000 PAVEMENT EDGE TREATMENT (LF)
08-17 48X48 16.00	SHOULDER DROP-OFF (SYMBOL)	CONST-3X 56X12 4.67 MISCELLANEOUS	STENS		
08-17P 30X24 5.00	SHOULDER DROP-OFF (PLAQUE)			 	
10-1 42RND, 9.62	RAILROAD CROSSING	CONST-5 48X36 12.00	POINT OF PRESENCE		
012-1 24X24 4.00 012-2 48X48 16.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48 32.00 CONST-7 48X24 8.00 2 16.00	POINT OF PRESENCE		
	LOW CLEARANCE (SYMBOL)		56 RATE OUR WORK ZONE		
/012-2X 24X18 3.00 /012-2g 84X24 14.00	LOW CLEARANCE (PLAQUE) OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-7 72X36 18.00 CONST-8 48X36 12.00 2 24.00	RATE OUR WORK ZONE	<u> </u>	
V012-2d 84X24 14.00 V012-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD	- 1 CONST-0 MONSO 12.00 2 24.00	59 WORK ZONE NO PHONE ZONE		
012-4 120x60 50.00		1 + + + + + + + + + + + + + + + + + + +		1	
013-1 30X30 6.25	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD ADVISORY SPEED (PLAQUE)			1	
016-2 30X24 5.00	XXX FEET (PLAQUE)	1 + + + + + + + + + + + + + + + + + + +			
D16-2 30X24 5.00 D16-3 30X24 5.00		1 + + + + + + + + + + + + + + + + + + +			
	X MILE (PLAQUE)				
	ROAD/BRIDGE/RAMP WORK AHEAD	1			
020-2 48X48 16.00	DETOUR AHEAD	1			
020-3 48X48 16.00	ROAD CLOSED AHEAD	616 10 05		J	
	ONE LANE ROAD AHEAD	1 616-10.05 TOTAL			
020-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTRUCTION SIGNS 666	<u></u>		
020-50 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10 TOT.			
020-6d 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED SIGNS 0			
	FLAGGER (SYMBOL, WITH FLAGS)	4			
021-2 36X36 9.00	FRESH OIL	4			
021-5 48X48 16.00 2 32.00	SHOULDER WORK AHEAD	4			
D22-1 48X48 16.00	BLASTING ZONE AHEAD	4			QUANTITY SHEET
/022-2 42X36 10.50	TURN OFF 2-WAY RADIO AND PHONE	4			J9P3391 - ROUTE AB
/022-3 42X36 10.50	END BLASTING ZONE				1 33, 333, 1,037, 4

END BLASTING ZONE

WET PAINT (ARROW PIVOTS)

WO22-3 42X36 10.50

GO22-1 21X15 2.19 2 4.38

QUANTITY SHEET J9P3391 - ROUTE AB SHEET 4 OF 4



REPARED

/ 2021

STATE

MO

SHEET NO.

3

DEAU/SCOTT NO. 3 J9S3464

T NO.

NO.

EFFK+MC
Civil Engineering I
15523 Barrett Parkway Dr
St. Louis, MO 63021
Missouri Certificate of Autho

	PERMANENT AGGREGATE EDGE TREATMENT								
					PERMANENT AGGREGATE	FOG			
LOG	LOG	LOCATION	LENGTH	WIDTH	EDGE TREATMENT	SEAL	REMARKS		
MILE	MILE				TON	GAL			
0.02	0.40	SB ROUTE K	2006	2	34.2	111.5			
0.02	0.47	NB ROUTE K	2376	2	40.5	132.0			
0.51	1.10	SB ROUTE K	3115	2	53.1	173.1			
0.51	1.13	NB ROUTE K	3274	2	55.8	181.9			
1.14	1.32	SB ROUTE K	950	2	16.2	52.8			
1.15	1.32	NB ROUTE K	898	2	15.3	49.9			
				SUBTOTAL	215.1	701.2	PERM AGG EDGE = 90 TONS/MILE		
PAY TOTAL				PAY TOTAL	215	701	FOG SEAL = 0.25 GAL/SY		

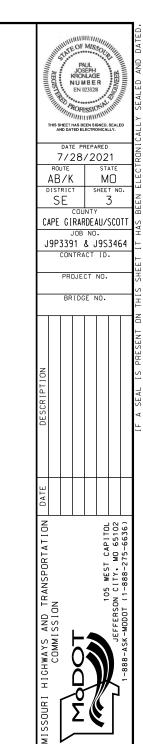
MOBILIZATION	1 LUMP SUM
CONTRACTOR FURNISHED SURVEYING AND STAKING	1 LUMP SUM
SEEDING	0.5 ACRE

LEVEL COURSE RESURFACING							
LOG MILE	LOG MILE	LOCATION	PAVEMENT AREA	1 IN. SURFACE LEVEL (64-22)	TACK COAT	REMARKS	
0.00	0.06	DOUTE K	S.F.	TON	GAL	DECIN WA CHI DDC	
0.02	0.06	ROUTE K	8,460	53.11	75.2	BEGIN W/ SHLDRS	
0.06	1.32	ROUTE K	158,280	993.65	1406.9	NO SHOULDERS TO END	
1.04		NB ROUTE K	700.00	4.39	6.2	PAVED COUNTY ROAD	
1.05		NB ROUTE K	60.00	0.38	0.5	NON-PAVED W/ APRON	
1.13		NB ROUTE K	100.00	0.63	0.9	NON-PAVED W/ APRON	
1.17		NB ROUTE K	220.00	1.38	2.0	NON-PAVED W/ APRON	
1.25		NB ROUTE K	300.00	1.88	2.7	PAVED STREET	
1.27		NB ROUTE K	120.00	0.75	1.1	PAVED ENTRANCE	
1.28		NB ROUTE K	120.00	0.75	1.1	PAVED ENTRANCE	
0.02	1.32	NB ROUTE K		97.50		75 TONS/MILE FOR IRREGULARITIES	
			SUBTOTAL	1154.42	1496.6	SURFACE LEVELING EST @ 2.034 TON/CY	
		-	PAY TOTAL	1154.4	1497	TACK COAT EST @ 0.08 GAL/SY	

	PAVEMENT MARKING						
LOG MILE	LOG MILE	LOCATION	4 IN WATERBORNE PAVEMENT MARKING TYPE P BEADS	REMARKS			
			YELLOW				
			L.F.				
0.02	1.06	ROUTE K	10980				
1.06	1.21	ROUTE K	1000				
1.21	1.29	ROUTE K	100				
1.29	1.31	ROUTE K	210				
	SUBTOTAL		12290				
		PAY TOTAL	12290				

	GRAVEL A OR CRUSHED STONE B							
		GRAVEL A OR						
LOG		CRUSHED STONE B	REMARKS					
MILE	LOCATION	6 IN THICK						
		TONS						
0.20	NB ROUTE K	1.1	NON-PAVED ENTRANCE W/O APRON - 1.4 TONS/C.Y.					
0.35	SB ROUTE K	1.6	NON-PAVED ENTRANCE W/O APRON - 1.4 TONS/C.Y.					
0.64	NB ROUTE K	1.3	NON-PAVED ENTRANCE W/O APRON - 1.4 TONS/C.Y.					
0.64	SB ROUTE K	1.3	NON-PAVED ENTRANCE W/O APRON - 1.4 TONS/C.Y.					
1.05	SB ROUTE K	2.1	NON-PAVED ENTRANCE W/O APRON - 1.4 TONS/C.Y.					
1.05	NB ROUTE K	1.6	NON-PAVED ENTRANCE W/ APRON - 1.4 TONS/C.Y.					
1.13	NB ROUTE K	2.6	NON-PAVED ENTRANCE W/ APRON - 1.4 TONS/C.Y.					
1.17	NB ROUTE K	5.7	NON-PAVED ENTRANCE W/ APRON - 1.4 TONS/C.Y.					
SUBTOTAL 17.3		17.3						
PAY TOTAL 18		18						

MODIFIED COLDMILLING						
			MODIFIED			
LOG	LOG		COLDMILLING FOR			
MILE	MILE	LOCATION	DEPTH TRANSITION	REMARKS		
			S.Y.			
0.02	0.03	ROUTE K	200.0	BEGIN		
1.04		NB ROUTE K	77.8	PAVED COUNTY ROAD		
1.05		NB ROUTE K	6.7	UNPAVED W/ APRON		
1.13		NB ROUTE K	11.1	UNPAVED W/ APRON		
1.17		NB ROUTE K	24.4	UNPAVED W/ APRON		
1.25		NB ROUTE K	33.3	PAVED STREET		
1.27		NB ROUTE K	13.3	PAVED ENTRANCE		
1.28		NB ROUTE K	13.3	PAVED ENTRANCE		
1.31	1.32	ROUTE K	280.0	END		
		SUBTOTAL	659.9			
		PAY TOTAL	660			



EFK+MOen

Civil Engineering Design
13523 Barrett Parkway Dr.
Suite 250.
St. Louis, MO 63021 Fax 314-394-3199
St. Louis, Grifficate of Authority: 001578

QUANTITY SHEET J9S3464 - ROUTE K SHEET 1 OF 2

							EFFECTIVE: 04-01-202
TOTAL QTY T			QTY T	OTAL SIGN			
SIZE AREA OTY AREA RELOC RI	ELOC NUM.		SIZE AREA QTY TOTAL RELOC R	ELOC NUM.			
N IN. SQ.FT. EACH SQ.FT. EACH S	Q.FT.	SIGN	IN. SQ.FT. EACH SQ.FT. EACH S	Q.FT.	ITEM	TOTAL	
WARNING SIGNS	DESCRIPTION		GUIDE SIGNS	DESCRIPTION	NUMBER	QTY	DESCRIPTION
1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1	36X48 12.00	GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)	E05-2	48X36 12.00	EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a	48X36 12.00	EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW) REVERSE TURN (SYMBOL LEFT ARROW)	G020-1 G020-2	60X24 10.00 2 20.00 48X24 8.00 2 16.00	1 ROAD WORK NEXT XX MILES 26 END ROAD WORK	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS) IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	G020-2	36X18 4.50	PILOT CAR FOLLOW ME	6122014		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	G020-4a		PILOT CAR IN USE WAIT & FOLLO	_		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	G020-4a		PILOT CAR IN USE WAIT & FOLLO	_		REPLACEMENT SAND BARREL
bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)		36X24 6.00 4 24.00	54 WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
DR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	M04-8a	24X18 3.00	END DETOUR	6123000	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA
CL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L	48X36 12.00	DETOUR (LEFT ARROW)	6161008	4	ADVANCED WARNING RAIL SYSTEM
cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R	48X36 12.00	DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
60X30 12.50	HORIZONTAL ARROW (SYMBOL)	M04-9P	48X12 4.00	STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
Sa 72X36 18.00	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	M04-10L		DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	M04-10R	48X18 6.00 DECLI ATODY 6	DETOUR (ARROW RIGHT)	6161025		CHANNELIZER (TRIM LINE)
a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.	1 01 1	REGULATORY S		6161030	60	TYPE III MOVEABLE BARRICADE
18X24 3.00 a 30X36 7.50	CHEVRON (SYMBOL)	R1-1 R1-2	48X48 13.25 48TRI. 6.93	STOP YIELD	6161033 6161040	-	DIRECTION INDICATOR BARRICADE
48X48 16.00	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS) STOP AHEAD (SYMBOL)	R1-2a	36X36 9.00	TO ONCOMING TRAFFIC (PLAQUE)	6161040		FLASHING ARROW PANEL TYPE III OBJECT MARKER
48X48 16.00	YIELD AHEAD (SYMBOL)	R1 - 3P	30X12 2.50	ALL WAY (PLAQUE)	6161041		WARNING LIGHT, TYPE A
3 48×48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1	36X48 12.00 8 96.00	4/25 SPEED LIMIT XX	6161052		WARNING LIGHT, TYPE B
48X48 16.00 2 32.00	11 BE PREPARED TO STOP	R3-1	48X48 16.00	NO RIGHT TURN (SYMBOL)	6161053		WARNING LIGHT, TYPE C
5 48X48 16.00	SPEED LIMIT AHEAD	R3-2	48X48 16.00	NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3	36X36 9.00	NO TURNS	6161070		TUBULAR MARKER
IR 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4	48X48 16.00	NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
aL 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7L	30X30 6.25	LEFT LANE MUST TURN LEFT			CHANGEABLE MESSAGE SIGN.
aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7R	30X30 6.25	RIGHT LANE MUST TURN RIGHT	6161096		COMMISSION FURNISHED/RETAINED
48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48 12.00	DO NOT PASS	-11-4-64-000		CHANGEABLE MESSAGE SIGN W/O COMM.
3 48X48 16.00	ONE LANE BRIDGE NARROW LANES	R4-2 R4-8a	36X48 12.00 36X48 12.00	PASS WITH CARE	6161098	1	INTERFACE, CONTRACTOR FURNISHED/RETAINED
48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-7a	36X48 12.00	KEEP LEFT (HORIZONTAL ARROW) KEEP RIGHT (HORIZONTAL ARROW)	 6161099	2	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
2 48×48 16.00	DIVIDED HIGHWAY (STMBOL)	R5-1	30X30 6.25	DO NOT ENTER	61620004		WORK ZONE TRAFFIC SIGNAL SYSTEM
3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24 6.00	WRONG WAY	6162002	`	TEMPORARY LONG-TERM RUMBLE STRIPS
3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R6-1L	54X18 6.75	ONE WAY ARROW (LEFT)	6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS
48X48 16.00	ВИМР	R6-1R	54X18 6.75	ONE WAY ARROW (RIGHT)			TEMPORARY TRAFFIC BARRIER
2 48X48 16.00	DIP	R6-2L	24X30 5.00	ONE WAY (LEFT)	61736000		CONTRACTOR FURNISHED/RETAINED
3 48X48 16.00	PAVEMENT ENDS	R6-2R	24X30 5.00	ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER
4 48X48 16.00	SOFT SHOULDER	R9-9	24X12 2.00	SIDEWALK CLOSED	6173602E	+	CONTRACTOR FURNISHED/COMMISSION RETAINED
5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)	_		SIDEWALK CLOSED AHEAD,	6174000		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R9-11L	24X18 3.00	(ARROW LEFT) CROSS HERE	61750104	\	RELOCATING TEMPORARY TRAFFIC BARRIER
Sc 48X48 16.00	TRUCK ENTRANCE	-11-0 445	2474.0 7.00	SIDEWALK CLOSED AHEAD,	116476000		TEMPORARY TRAFFIC BARRIER
7 36X36 9.00	LOOSE GRAVEL	R9-11R R10-6	24X18 3.00	(ARROW RIGHT) CROSS HERE STOP HERE ON RED (45° ARROW)	6176000E	3	COMMISSION FURNISHED/RETAINED TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
7	FRESH DIL/LOOSE GRAVEL LOW SHOULDER		24X36 6.00 48X30 10.00	ROAD CLOSED	- 6177000E	,	COMMISSION FURNISHED/RETAINED
1 48×48 16.00 6 96.00	UNE VEN LANES	- 11112	40/30/10:00	ROAD CLOSED XX MILES AHEAD	6208064		TEMPORARY RAISED PAVEMENT MARKER
12 48X48 16.00 4 64.00	NO CENTER LINE	_{R11-30}	60X30 12.50	LOCAL TRAFFIC ONLY	9029400	1	TEMPORARY TRAFFIC SIGNALS
5 48X48 16.00	GROOVED PAVEMENT		60X30 12.50	ROAD CLOSED TO THRU TRAFFIC	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
15P 30X24 5.00	MOTORCYCLE (PLAQUE)	_	4 60X48 20.00	FINE SIGN			
7 48X48 16.00	SHOULDER DROP-OFF (SYMBOL)		X 56X12 4.67	SPEEDING/PASSING (PLATE)			
7P 30X24 5.00	SHOULDER DROP-OFF (PLAQUE)		MISCELLANEOL	IS SIGNS			
42RND. 9.62	RAILROAD CROSSING	_	48X36 12.00	POINT OF PRESENCE			
1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	_	96X48 32.00	POINT OF PRESENCE			
2 48X48 16.00	LOW CLEARANCE (SYMBOL)		48X24 8.00 2 16.00	56 RATE OUR WORK ZONE			
-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	_	72X36 18.00	RATE OUR WORK ZONE	Д		
-2a 84X24 14.00 -4 130X60 50 00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CUNST-8	48X36 12.00 2 24.00	59 WORK ZONE NO PHONE ZONE			
4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	\dashv	+ + + + + + +				
1 30X30 6.25	ADVISORY SPEED (PLAQUE)	+	 				
2 30X24 5.00	XXX FEET (PLAQUE)	\dashv	 				
3 30X24 5.00	X MILE (PLAQUE)	1					
1 48X48 16.00 4 64.00	2 ROAD/BRIDGE/RAMP WORK AHEAD	1					
2 48X48 16.00	DETOUR AHEAD	1					
3 48X48 16.00	ROAD CLOSED AHEAD						
-4 48X48 16.00 4 64.00	7 ONE LANE ROAD AHEAD	616-10					
-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD		UCTION SIGNS 602				
-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10		OTAL			
-6a 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	RELOCA	TED SIGNS	0			
-7a 48X48 16.00 4 64.00	8 FLAGGER (SYMBOL, WITH FLAGS)	4					
2 36X36 9.00	FRESH OIL	4					
5 48X48 16.00	SHOULDER WORK AHEAD	\dashv					
1 48X48 16.00	BLASTING ZONE AHEAD TURN OFF 2-WAY RADIO AND PHONE	\dashv					QUANTITY SHEET
-2 42x36 10.50 -3 42x36 10.50	END BLASTING ZONE	\dashv					J9S3464 - ROUTE K
J 1	END DEASTING ZUNE	1					CHEET 0 0E 0

END BLASTING ZONE

WET PAINT (ARROW PIVOTS)

WO22-3 42X36 10.50

GO22-1 21X15 2.19 2 4.38

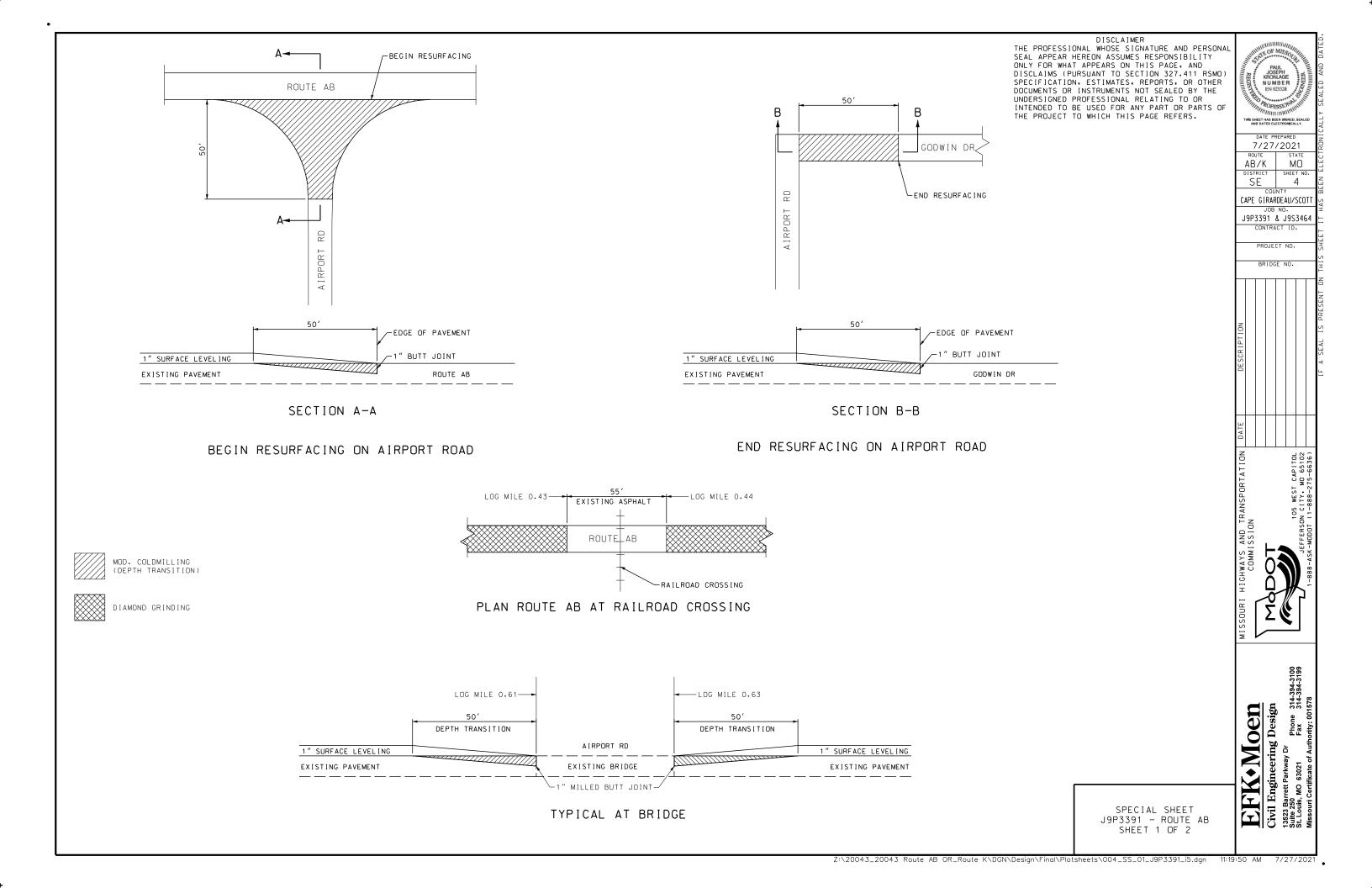
QUANTITY SHEET J9S3464 - ROUTE K SHEET 2 OF 2



Y2021
STATE
MO
SHEET NO.
3

DEAU/SCOTT NO. J9S3464

NO.





MOD. COLDMILLING (DEPTH TRANSITION)



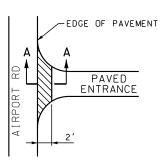
GRAVEL A OR CRUSHED STONE B



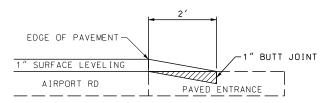
GRADING

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

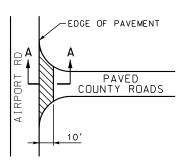
THE WIDTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.



PLAN VIEW FOR PAVED PRIVATE ENTRANCES



TYPICAL SECTION A-A



-1" BUTT JOINT

PAVED ENTRANCE

PLAN VIEW FOR

PAVED COUNTY ROADS

TYPICAL

SECTION A-A

EDGE OF PAVEMENT

1" SURFACE LEVELING

AIRPORT RD

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THIS SHEET HAS BEEN SIGNED, SEALE AND DATED ELECTRONICALLY

7/27/2021							
ROUTE	STATE						
AB/K	MO						
DISTRICT	SHEET NO.						
SE	5						

CAPE GIRARDEAU/SCOT

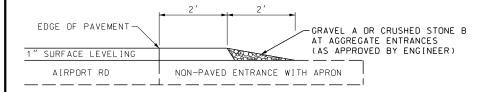
J9P3391 & J9S346 CONTRACT ID.

PROJECT NO.

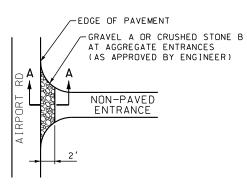
BRIDGE NO.

-EDGE OF PAVEMENT GRAVEL A OR CRUSHED STONE B AT AGGREGATE ENTRANCES (AS APPROVED BY ENGINEER) NON-PAVED ENTRANCE

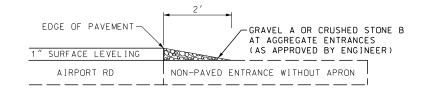
PLAN VIEW FOR NON-PAVED PRIVATE ENTRANCES WITH EXISTING APRON



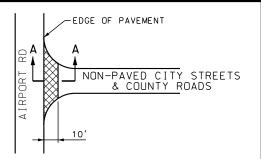
TYPICAL SECTION A-A



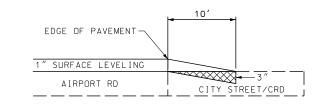
PLAN VIEW FOR NON-PAVED PRIVATE ENTRANCES WITHOUT EXISTING APRON



TYPICAL SECTION A-A



PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS



TYPICAL SECTION A-A

> SPECIAL SHEET J9P3391 - ROUTE AB SHEET 2 OF 2

-EDGE OF PAVEMENT

HWY N

1" SURFACE LEVELING

EXISTING PAVEMENT

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DATE PREPARED	
7/27/2021	
ROUTE	STATE
AB/K MO	
DISTRICT	SHEET NO.
SE 6	
CULI	NTV

CAPE GIRARDEAU/SCOTT

J9P3391 & J9S3464

PROJECT NO.

WAYS AND TRANS COMMISSION

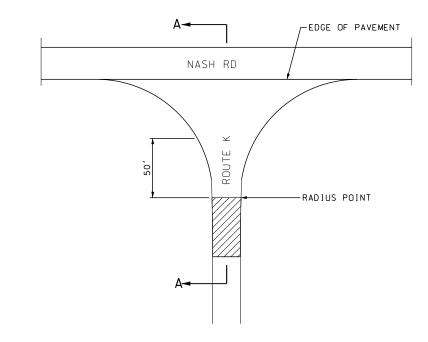
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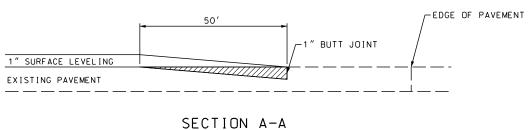
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Civil Engineering Design

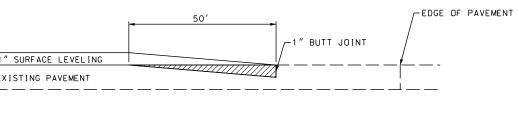
Suite 250 Suite 250 Phone 314.394.3100
St. Louis, MO 63021 Fax 314.394.3199
Missouri Certificate of Authority: 001578

SPECIAL SHEET J9S3464 - ROUTE K SHEET 1 OF 2





BEGIN PROJECT



MOD. COLDMILLING (DEPTH TRANSITION)

-EDGE OF PAVEMENT

HWY N

-1" BUTT JOINT

SECTION B-B

END PROJECT



MOD. COLDMILLING (DEPTH TRANSITION)



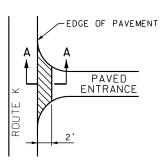
GRAVEL A OR CRUSHED STONE B



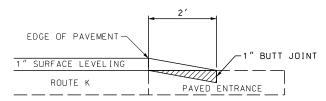
GRADING

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

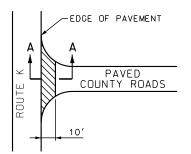
THE WIDTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.



PLAN VIEW FOR PAVED PRIVATE ENTRANCES



TYPICAL SECTION A-A



-1" BUTT JOINT

PAVED ENTRANCE

PLAN VIEW FOR

PAVED COUNTY ROADS

TYPICAL

SECTION A-A

EDGE OF PAVEMENT

1" SURFACE LEVELING

ROUTE K

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7/27/2021

AB/K МΩ SHEET NO SE

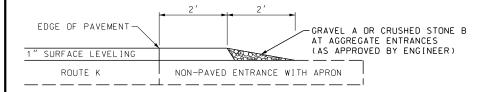
CAPE GIRARDEAU/SCOT J9P3391 & J9<u>S346</u>

CONTRACT ID. PROJECT NO.

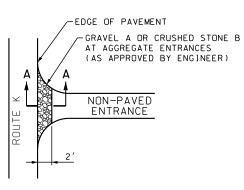
BRIDGE NO.

-EDGE OF PAVEMENT GRAVEL A OR CRUSHED STONE B AT AGGREGATE ENTRANCES (AS APPROVED BY ENGINEER) NON-PAVED ENTRANCE

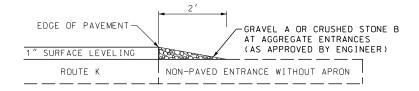
PLAN VIEW FOR NON-PAVED PRIVATE ENTRANCES WITH EXISTING APRON



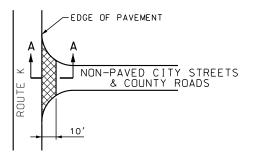
TYPICAL SECTION A-A



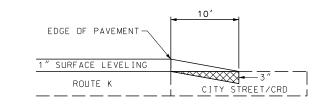
PLAN VIEW FOR NON-PAVED PRIVATE ENTRANCES WITHOUT EXISTING APRON



TYPICAL SECTION A-A



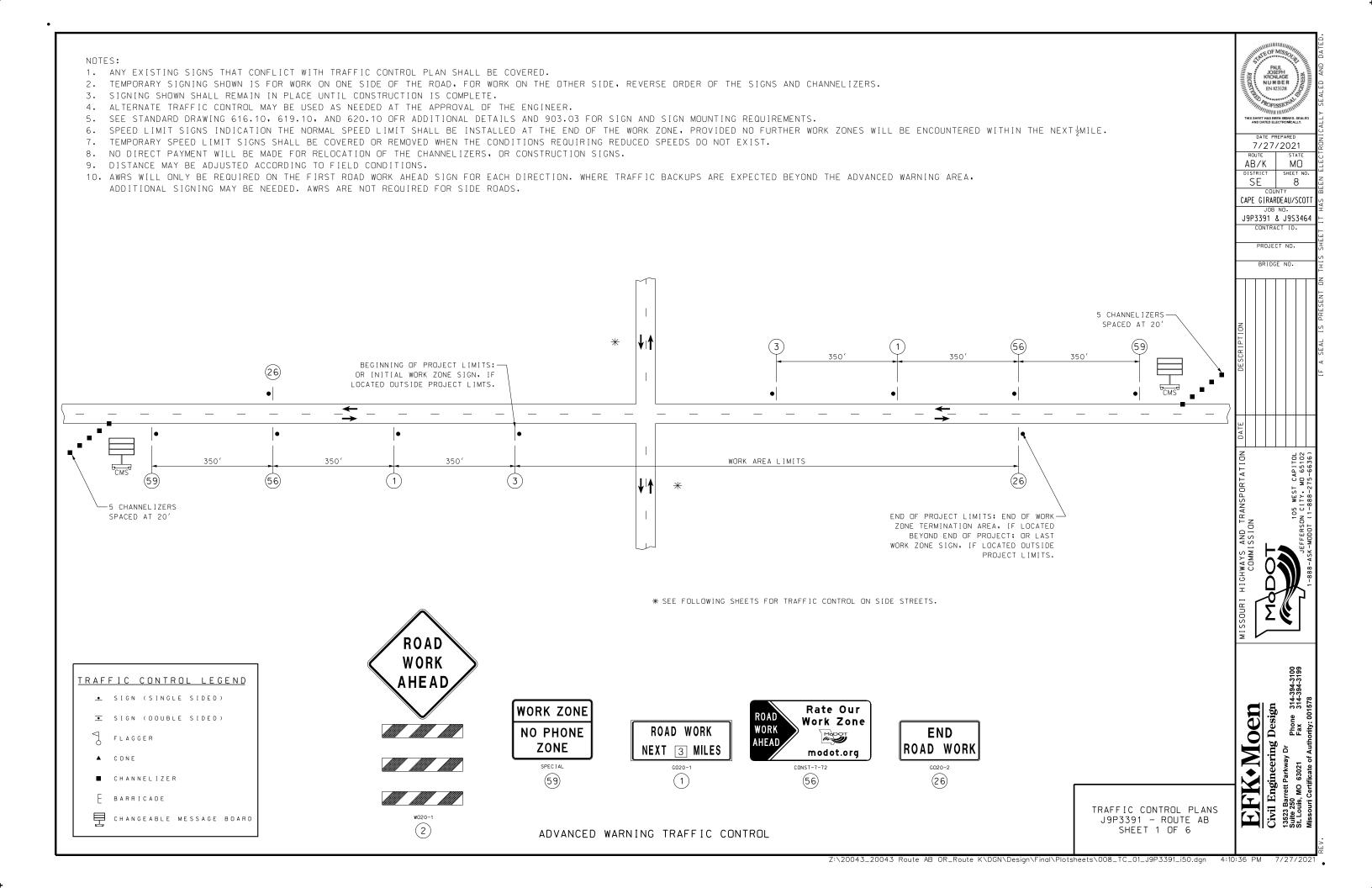
PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS

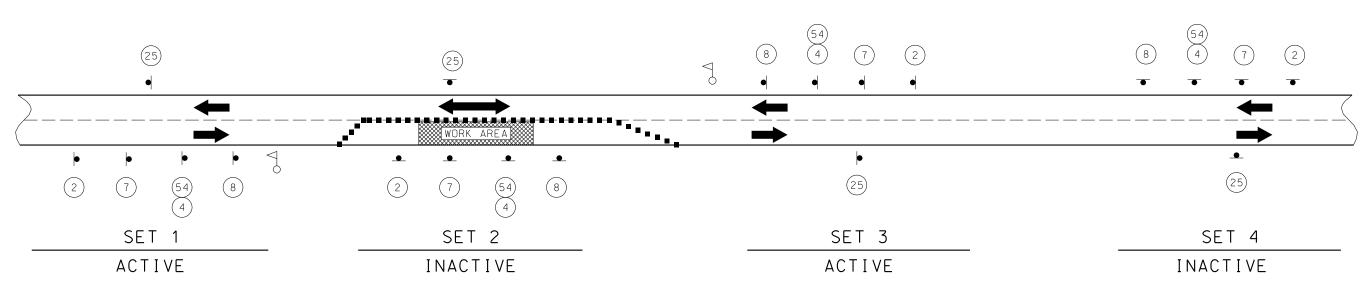


TYPICAL SECTION A-A

> SPECIAL SHEET J9S3464 - ROUTE K SHEET 2 OF 2

314-394-3100 314-394-3199





SPEED MPH	SHOULDER TAPER LENGTH (f†)	OPTIONAL BUFFER LENGTH (ft)
0-35	70 FT	280 FT
40-45	150 FT	400 FT
50-55	185 FT	560 FT
60-70	235 FT	840 FT

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 SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4) OPERATION (I.E., NEW SIGN SETS 2 AND 4).

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.

* ADJUST REDUCED SPEED LIMIT SIGNS AS NECESSARY BASED ON EXISTING POSTED SPEED LIMIT PRIOR TO ROAD WORK.

NO DIRECT PAYMENT FOR RELOCATION OF CONSTRUCTION SIGNS.

SIGN SPACIN	G FOR ADVANCE SIGN	SERIES (2) (3)
SPEED (1) MPH	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0 - 35	200	200
40 - 45	350	500
50 - 55	500	1000
60 - 70	1000	SA - 1000 FT. SB - 1500 FT. SC - 2640 FT.

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED	TAPER	MINIMUM LENGTH	S (L)		HANNEL I ZER CING
MPH (S)	FOR LATE	11 FT	IFTS (W)	THROUGH TAPER	THROUGH WORK ARFA
0-35	205FT	225 F T	245 F T	35 F T	40FT
40-45	450FT	495FT	540 F T	40 F T	80 F T
50-55	550FT	605 F T	660 F T	50 F T	80 F T
60-70	700FT	770 F T	840 F T	60 F T	120 FT



- FLAGGER

- CHANNELIZER











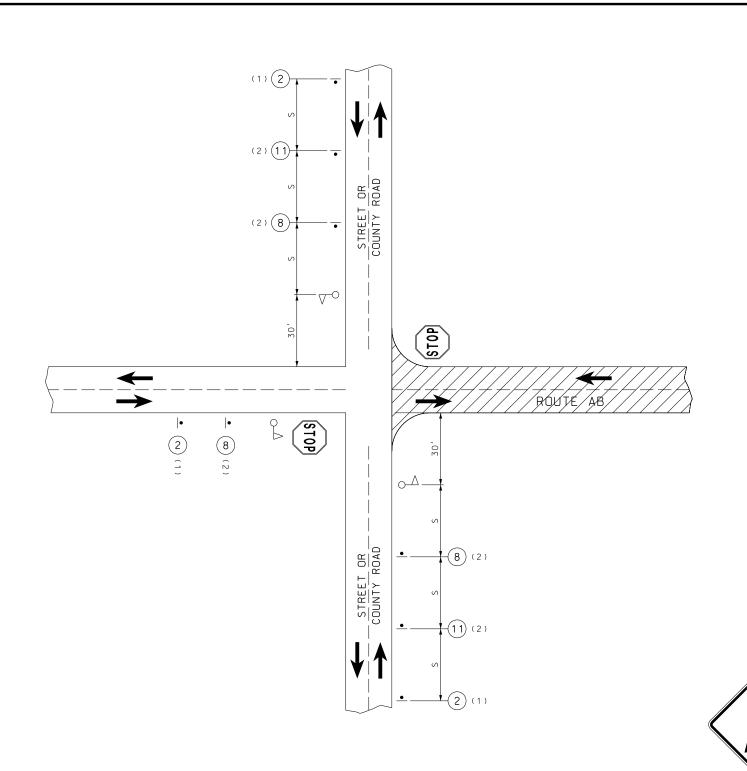
FLAGGER CONTROL RESURFACING OR MOVING OPERATION ONE-LANE TWO-WAY OPERATION

TRAFFIC CONTROL PLANS J9P3391 - ROUTE AB SHEET 2 OF 6

7/27/2021 AR/K МΩ SHEET NO SE 9 CAPE GIRARDEAU/SCOT J9P3391 & J9S346 CONTRACT ID. PROJECT NO. BRIDGE NO.

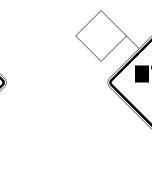
EFFK+MOen

Civil Engineering Design
13523 Barrett Parkway Dr
Sulfe 250
Sulfe 250
Sulfe 250
Sulfe 250
Sulfe 250
Missouri Certificate of Authority: 001578



SPEED	SIGN SPACING (FT)		
NORMAL			
POSTED	UNDIVIDED	DIVIDED	
(MPH)	(S)	(S)	
0-35	200	200	
40-45	350	500	
50-55	500	1000	
		SA-1000	
60-70	1000	SB-1500	
		SC-2640	

- (1) SIGN ② REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE.
- (2) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT IS CROSSING THE ROAD OR OTHER CONDITION REQUIRING FLAGGER CONTROL EXIST.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (4) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (5) TRIM LINE CHANNELIZERS TO BE USED AS NEEDED.
- (6) DAYLIGHT FLAGGING OPERATION ONLY.
- (7) 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.



W020-7a



FLAGGER OPERATION: CROSS ROAD NOT UNDER STOP CONTROL PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTUCTION

RURAL TWO-LANE UNDIVIDED HIGHWAY

ROAD

WORK

WO20-1

2

TRAFFIC CONTROL PLANS J9P3391 - ROUTE AB SHEET 3 OF 6



7/27/2021 AB/K МΩ SHEET NO SE 10 CAPE GIRARDEAU/SCOT

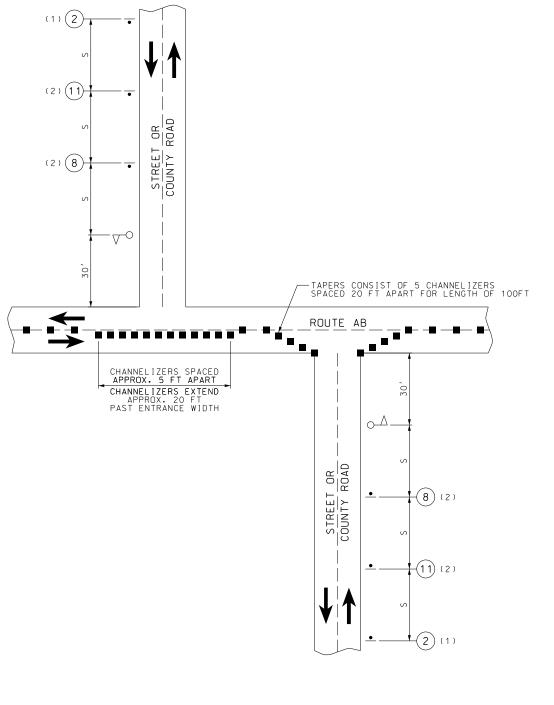
J9P3391 & J9S346 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

EFK+MOen

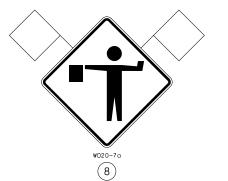
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250 Barrett Parkway Barrett



SPEED	SIGN SPACING (FT)		
NORMAL			
POSTED	UNDIVIDED	DIVIDED	
(MPH)	(S)	(S)	
0-35	200	200	
40-45	350	500	
50-55	500	1000	
		SA-1000	
60-70	1000	SB-1500	
		SC-2640	

- (1) SIGN ② REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE.
- (2) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT IS CROSSING THE ROAD OR OTHER CONDITION REQUIRING FLAGGER CONTROL EXIST.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (4) UPON THE DISCRETION OF THE ENGINEER, ADDITIONAL WARNING SIGNS MAY BE ERECTED AT OTHER INTERSECTIONS
- (5) DAYLIGHT FLAGGING OPERATION ONLY.
- (6) NO DIRECT PAYMENT WILL BE MADE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.
- (7) 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







SIDE ROADS ENTERING WORK ZONES

TRAFFIC CONTROL PLANS J9P3391 - ROUTE AB SHEET 4 OF 6

7/27/2021

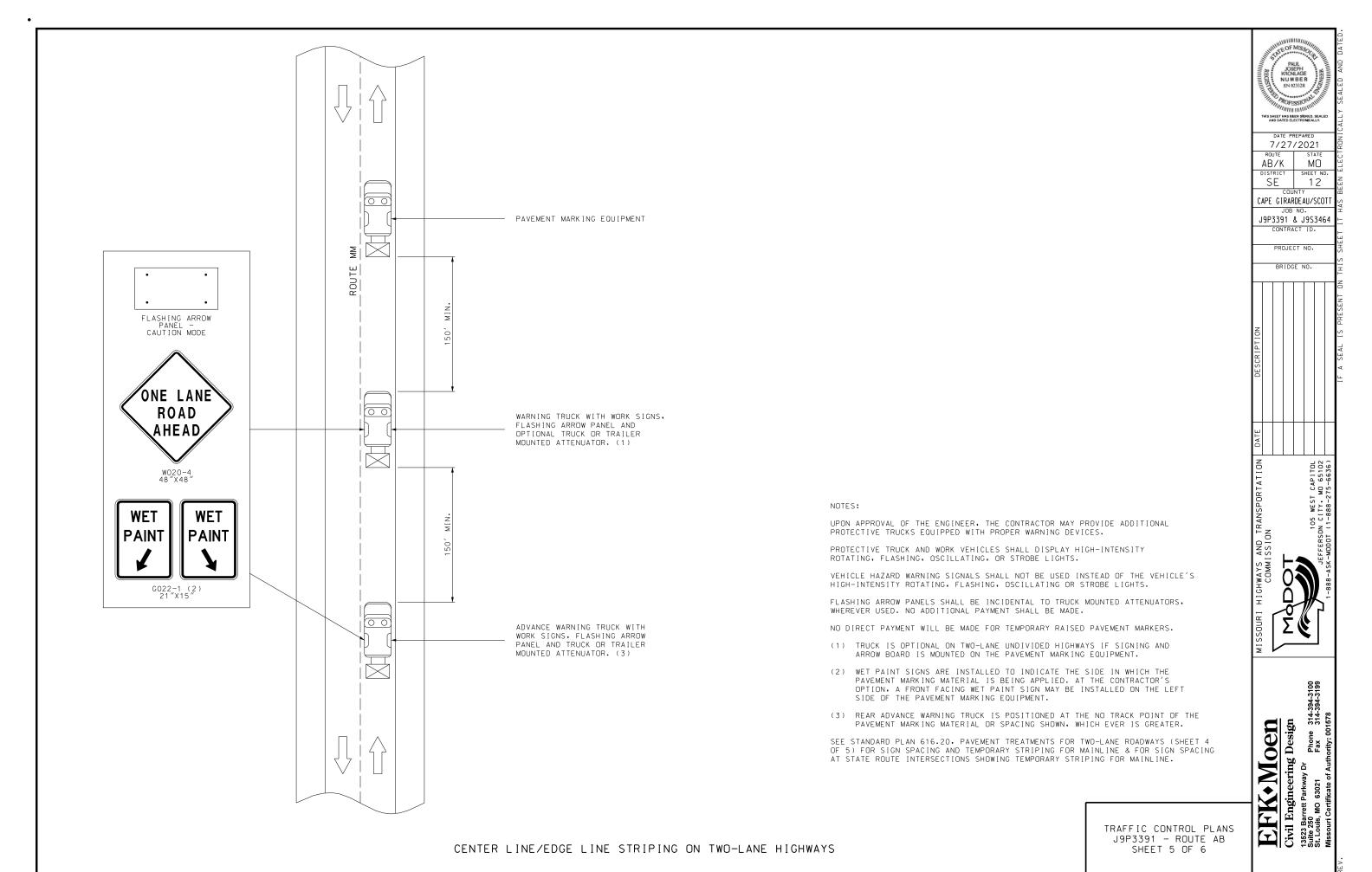
AB/K МΩ SHEET NO SE 11

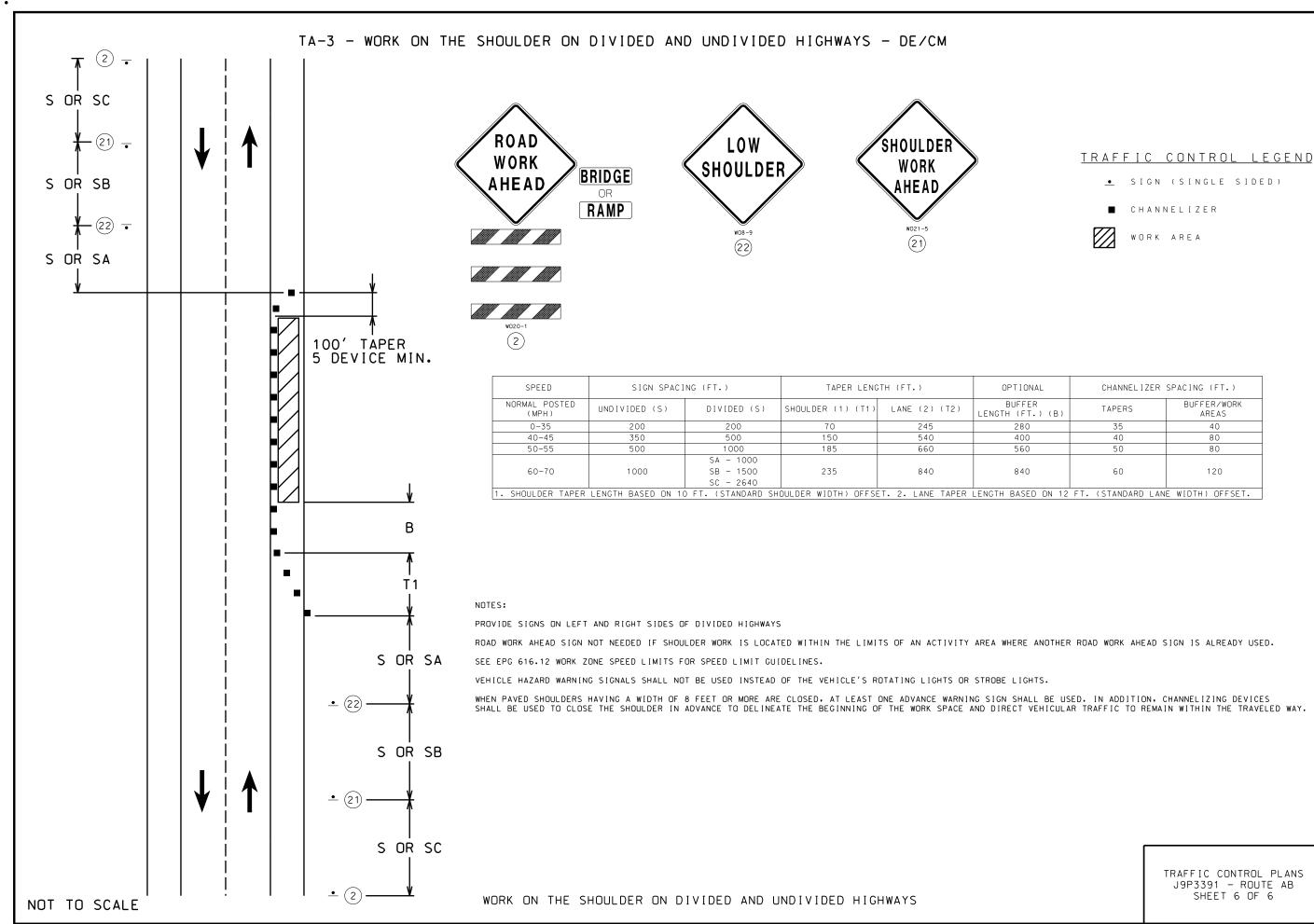
CAPE GIRARDEAU/SCOT J9P3391 & J9S346 CONTRACT ID.

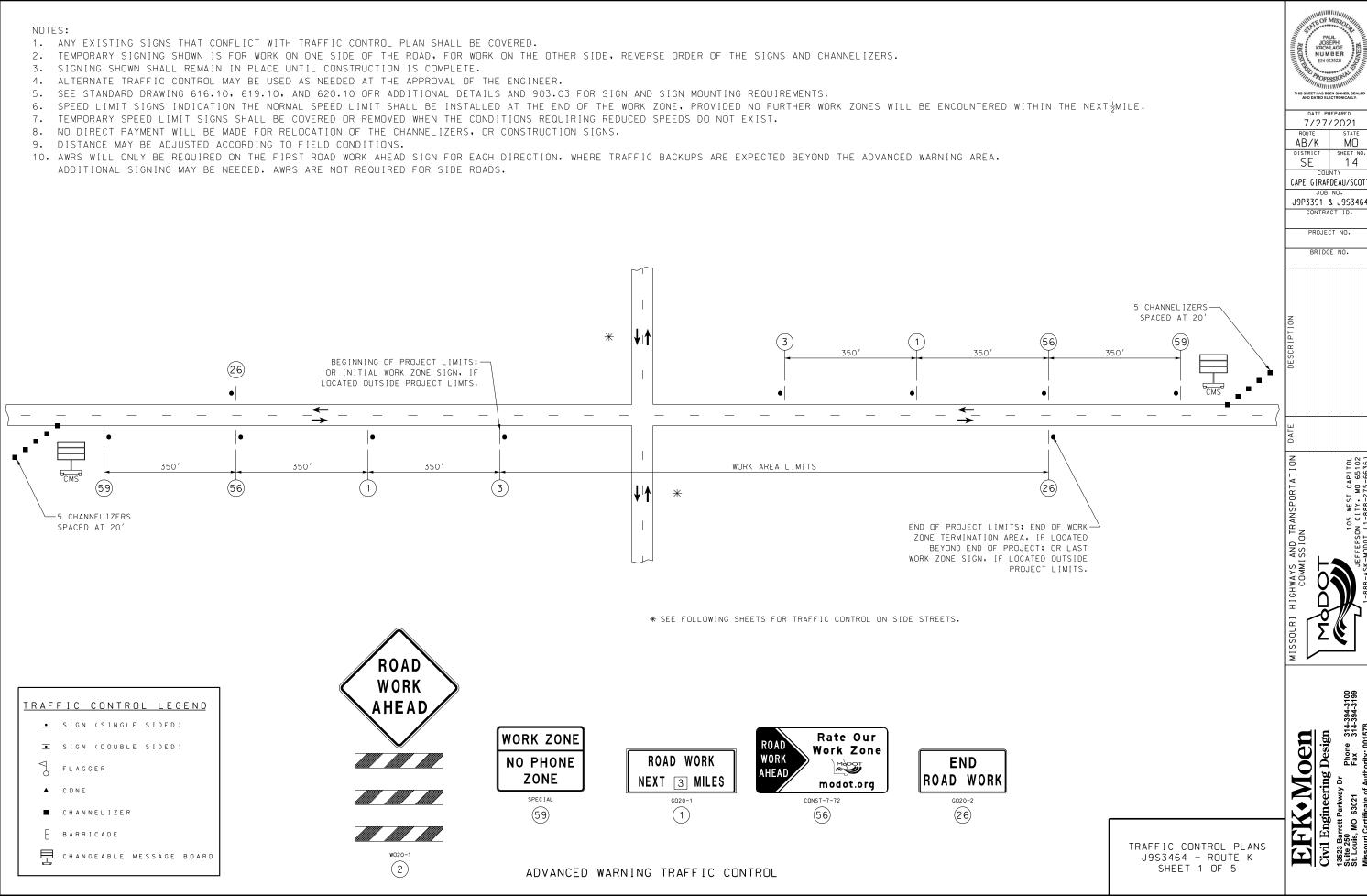
PROJECT NO.

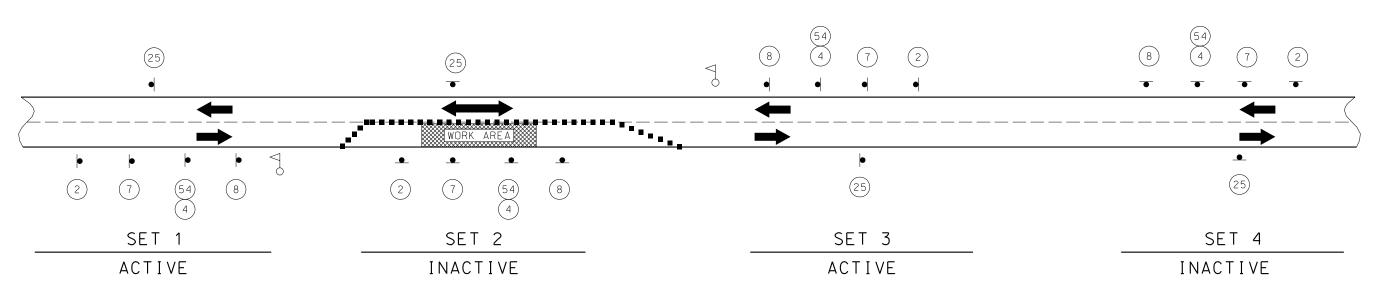
BRIDGE NO.

EFFK+MOen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Fax 314-3
Missouri Certificate of Authority: 001578









SPEED MPH	SHOULDER TAPER LENGTH (f†)	OPTIONAL BUFFER LENGTH (ft)
0-35	70 FT	280 FT
40-45	150 FT	400 FT
50-55	185 FT	560 FT
60-70	235 FT	840 FT

SIGN SPACING FOR ADVANCE SIGN SERIES (2) (3)				
SPEED (1) MPH	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS		
0 - 35	200	200		
40 - 45	350	500		
50 - 55	500	1000		
60 - 70	1000	SA - 1000 FT. SB - 1500 FT. SC - 2640 FT.		

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

T	APER LE	NGTHS A1	ND SPAC	ING OF C	HANNELIZIN	IG DEVICES
	SPEED	TAPER	MINIMUM LENGTH	S (L)		HANNEL I ZER CING
M	MPH (S)	FOR LATE	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
	0-35	205FT	225FT	245 F T	35 F T	40FT
	40-45	450FT	495FT	540 F T	40 F T	80 F T
	50-55	550FT	605 F T	660 F T	50 F T	80 F T
	60-70	700 F T	770 F T	840 F T	60 F T	120 FT

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 SETS 2 AND 4. SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

- FLAGGER

- CHANNELIZER

ROAD

WORK

AHEAD

(2)











WORK ZONE G020-5aP (54)

FLAGGER CONTROL RESURFACING OR MOVING OPERATION ONE-LANE TWO-WAY OPERATION

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.

* ADJUST REDUCED SPEED LIMIT SIGNS AS NECESSARY BASED ON EXISTING POSTED SPEED LIMIT PRIOR TO ROAD WORK.

NO DIRECT PAYMENT FOR RELOCATION OF CONSTRUCTION SIGNS.

ALL SIGNS WITHIN THE FIRST ADVANCE WARNING AREA SHALL BE ENHANCED WITH FLAGS.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN. EXCEPT FOR SIGN W020-7A WHICH IS SUBSIDIARY TO THE SIGN.

7/27/2021

AR/K МΩ SHEET NO SE 15

CAPE GIRARDEAU/SCOT J9P3391 & J9S346 CONTRACT ID.

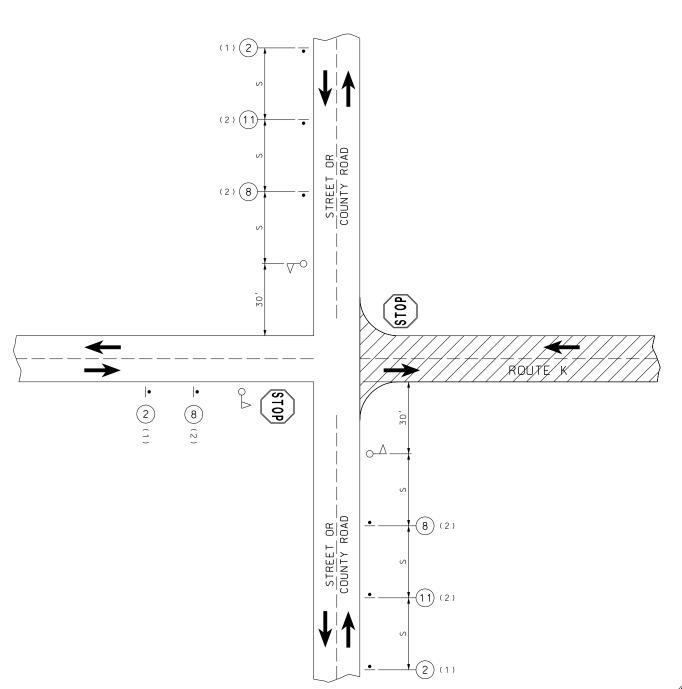
PROJECT NO.

BRIDGE NO.

EFFK+MOen

Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Fax 314-3
Micronia Caracteristics

TRAFFIC CONTROL PLANS J9S3464 - ROUTE K SHEET 2 OF 5

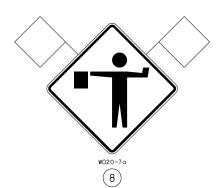


SPEED	SIGN SPACING (FT)		
NORMAL			
POSTED	UNDIVIDED	DIVIDED	
(MPH)	(S)	(S)	
0-35	200	200	
40-45	350	500	
50-55	500	1000	
		SA-1000	
60-70	1000	SB-1500	
		SC-2640	

- (1) SIGN ② REQUIRED FOR ALL PUBLIC ROAD
 (2) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT
 IS CROSSING THE ROAD OR OTHER CONDITION REQUIRING FLAGGER CONTROL EXIST.
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APPROACHES TO THE WORK ZONE.







FLAGGER OPERATION: CROSS ROAD NOT UNDER STOP CONTROL PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTUCTION

RURAL TWO-LANE UNDIVIDED HIGHWAY

TRAFFIC CONTROL PLANS J9S3464 - ROUTE K SHEET 3 OF 5



7/27/2021 AB/K МΩ SHEET NO SE 16 CAPE GIRARDEAU/SCOT

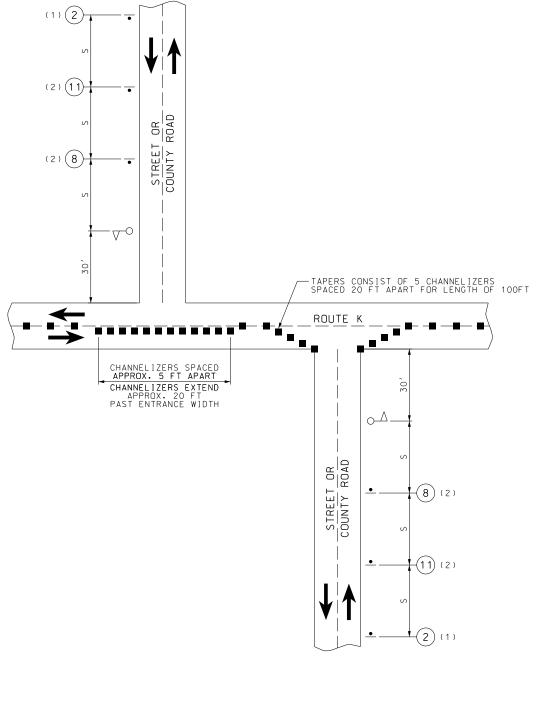
J9P3391 & J9S346 CONTRACT ID. PROJECT NO.

BRIDGE NO.

Phone 314-394-3100 Fax 314-394-3199

EFK+MOen

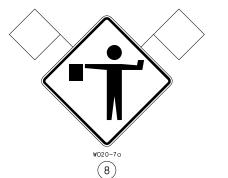
Civil Engineering Design
13522 Barrett Parkway Dr
St. Louis, MO 63021 Fax 314-2
Missouri Certificate of Authority: 001578



SPEED	SIGN SPACING (FT)		
NORMAL			
POSTED	UNDIVIDED	DIVIDED	
(MPH)	(S)	(S)	
0-35	200	200	
40-45	350	500	
50-55	500	1000	
		SA-1000	
60-70	1000	SB-1500	
		SC-2640	

- (1) SIGN ② REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE.
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SIDE ROADS ENTERING WORK ZONES

TRAFFIC CONTROL PLANS J9S3464 - ROUTE K SHEET 4 OF 5

7/27/2021

AB/K МΩ SHEET NO 17 SE

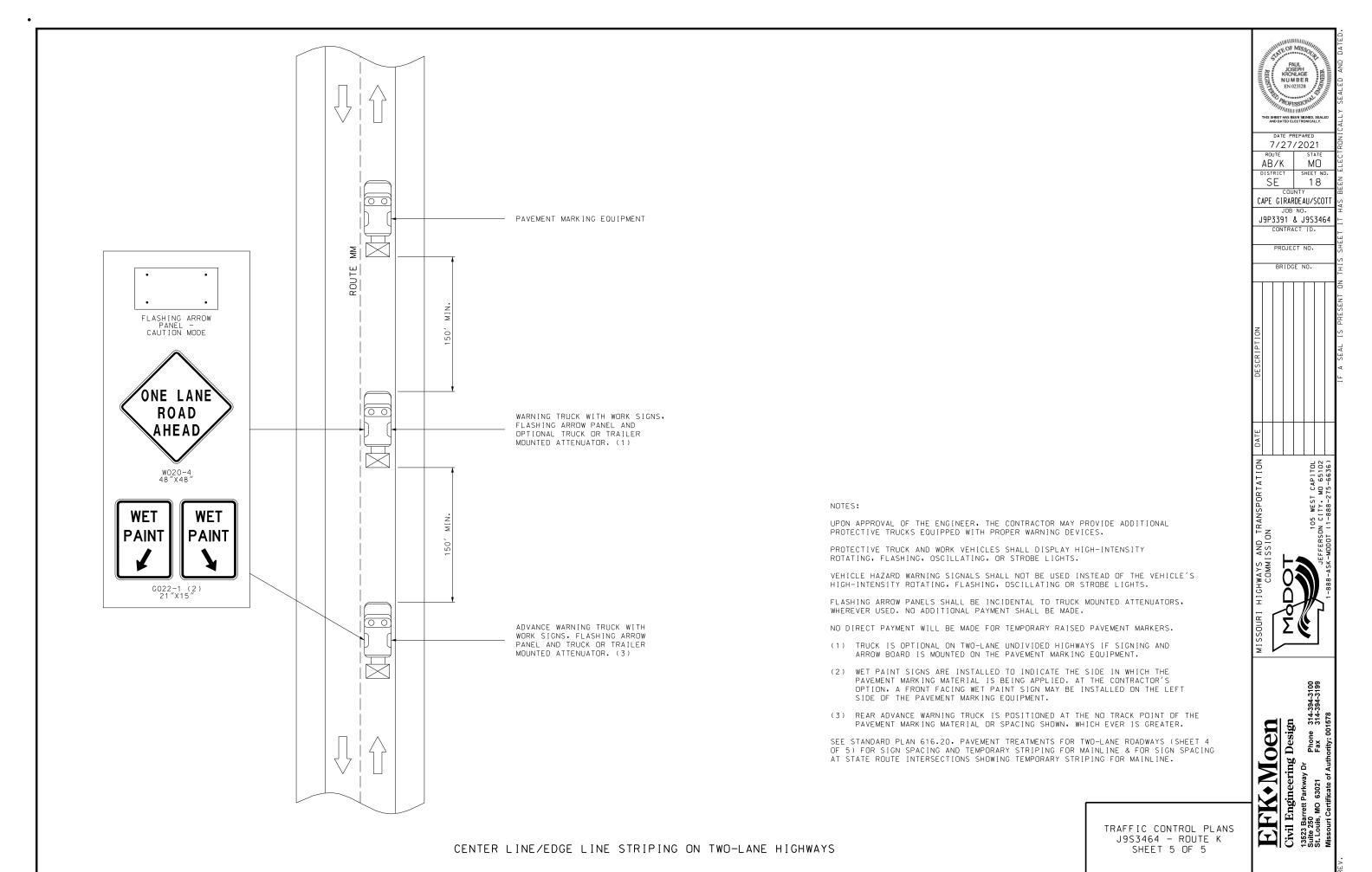
CAPE GIRARDEAU/SCOT J9P3391 & J9S346

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

EFFK+MOen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Fax 314-3
Missouri Certificate of Authority: 001578



TEMPORARY EROSION CONTROL LEGEND

ALTERNATE DITCH CHECK

SILT FENCE

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7/27/2021 AB/K МΩ DISTRICT SHEET NO SE 19

CAPE GIRARDEAU/SCOT

J9P3391 & J9S3464

PROJECT NO.

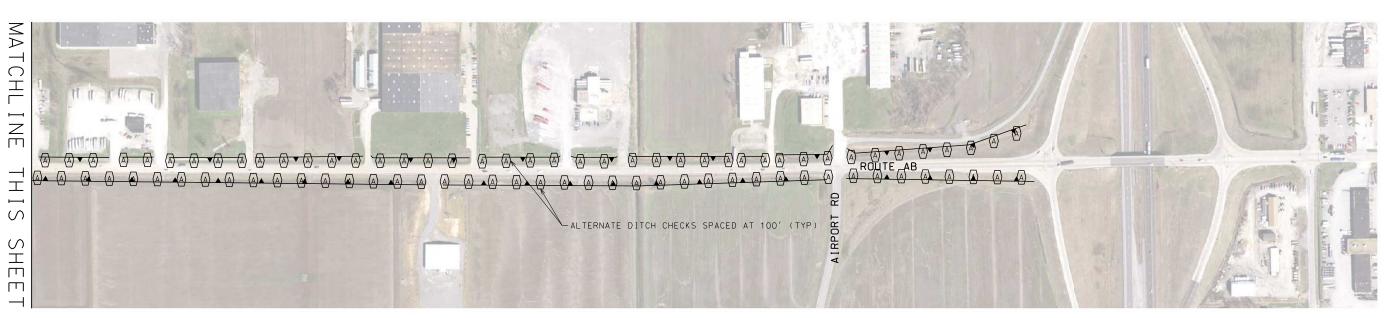
Phone 314-394-3100 Fax 314-394-3199

EFK+MOen

Civil Engineering Design
13522 Barrett Parkway Dr
St. Louis, MO 63021 Fax 314-2
Missouri Certificate of Authority: 001578

EROSION CONTROL SHEET J9P3391 - ROUTE AB SHEET 1 OF 1

MATCHL Z I THE BUILDING OF \bigcirc A VIII. \bigcirc JH. -ALTERNATE DITCH CHECKS SPACED AT 100' (TYP) П

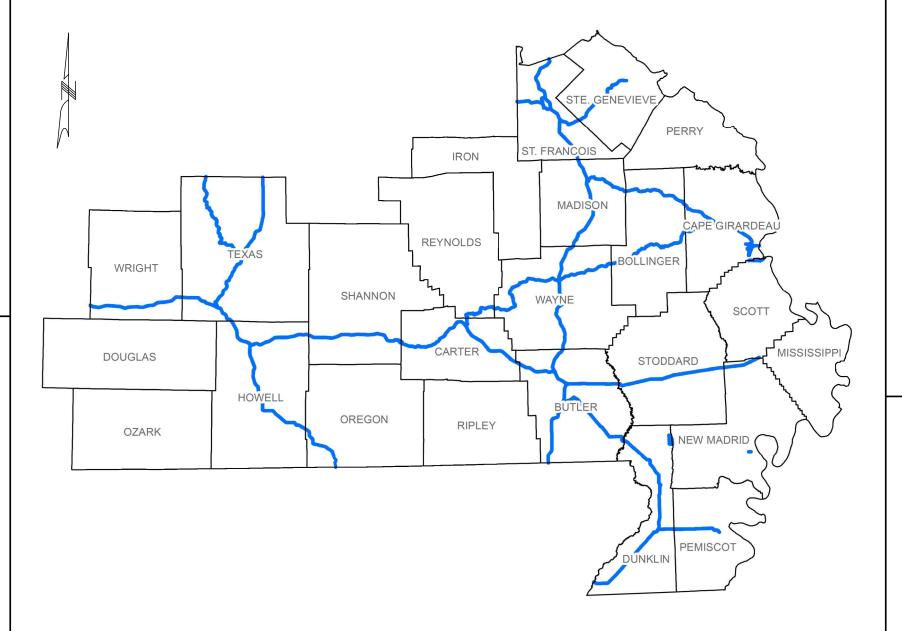


SCALE 400 800 1000

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED

STATE HIGHWAY

VARIOUS COUNTIES SOUTHEAST DISTRICT



CONVENTIONAL SYMBOLS

ニュニコ

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-OTV-

-UTV--OT--UT--OE--UE--S- ••••

••••

 \circ

-0TV-

-UTV -OT -UT--OE

-UE-

-F0- -F0-

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 \boxtimes

BUILDINGS AND STRUCTURES

CONCRETE RIGHT-OF-WAY MARKER

STEEL RIGHT-OF-WAY MARKER

LOCATION SURVEY MARKER

OVERHEAD CABLE TV

SANITARY SEWER STORM SEWER

GROUND MOUNTED SIGN

H-FRAME POWER POLE

TELEPHONE PEDESTAL

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

CHAIN LINK WOVEN WIRE GATE POST

BENCHMARK

UNDERGROUND CABLE TV
OVERHEAD TELEPHONE
UNDERGROUND TELEPHONE
OVERHEAD POWER
UNDERGROUND POWER

GUARD RAIL

GUARD CABLE

UTILITIES FIBER OPTICS

WATER

MANHOLE

FIRE HYDRANT WATER VALVE WATER METER

DROP INLET
DITCH BLOCK

LIGHT POLE

FENCE

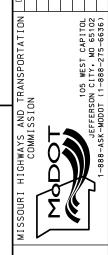
CONCRETE PAVEMENT REPAIR JOB ORDER CONTRACTING

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.

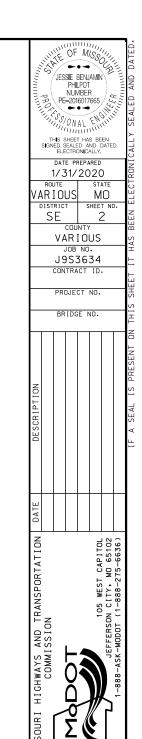
INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
QUANTITIES (QU) (1 SHEET)	2
TRAFFIC CONTROL SHEETS (TC)	3-11





PAVEMENT REPAIR LOCATIONS													
		DIDECTION	LENGTH	WIDTH	AREA		LENGTH	WIDTH	AREA	DELLIBYS			
LOG MI	LOC	DIRECTION	FT	FT	SF	DIRECTION	FT	FT	SF	REMARKS			
4.026	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
4.040	RTE AB					WB	6.0	12.0	72.00				
4.041	RTE AB	EB	6.0	12.0	72.00								
4.051	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
4.102	RTE AB					WB	6.0	12.0	72.00				
4.123	RTE AB					WB	6.0	12.0	72.00				
4.263	RTE AB					WB	6.0	12.0	72.00				
4.376	RTE AB					WB	6.0	12.0	72.00				
4.402	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
4.708	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
4.716	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
4.732	RTE AB	EB	10.0	12.0	120.00	WB	10.0	12.0	120.00				
4.981	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
5.240	RTE AB	EB	6.0	12.0	72.00								
5,299	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
5.333	RTE AB	EB	6.0	12.0	72.00	WB	6.0	12.0	72.00				
5.589	RTE AB	EB	6.0	12.0	72.00	WB							
5.700	RTE AB					WB	6.0	12.0	72.00				



Sign Spacing, Device Spacing and Channelizing Taper Lengths

SIGN SP	ACING (ft.)	TAPER LE	NGTH (ft.)	OPTIONAL	CHANNELIZER SPACING (ft.)		
Undivided	Divided	Shoulder (1)	Lane (2)	BUFFER	Tapers	Buffer/	
(S)	(S)	(T1) `´	(T2)	LENGTH (ft.)		Work Areas	
, ,	` ,	, ,	, ,	(B)			
200	200	70	245	280	35	40	
350	500	150	540	400	40	80	
500	1000	185	660	560	50	80	
1000	SA - 1000 SB - 1500 SC - 2640	235	840	840	60	120	
	Undivided (S) 200 350 500	(S) (S) 200 200 350 500 500 1000 SA - 1000 1000 SB - 1500	Undivided (S) Divided (S) Shoulder (1) (T1) 200 200 70 350 500 150 500 1000 185 SA - 1000 SB - 1500 235	Undivided (S) Divided (S) Shoulder (1) (T1) Lane (2) (T2) 200 200 70 245 350 500 150 540 500 1000 185 660 SA - 1000 SB - 1500 235 840	Undivided (S) Divided (S) Shoulder (1) (T1) Lane (2) (T2) BUFFER LENGTH (ft.) (B) 200 200 70 245 280 350 500 150 540 400 500 1000 185 660 560 SA - 1000 SB - 1500 235 840 840	Undivided (S) Divided (S) Shoulder (1) (T1) Lane (2) (T2) BUFFER LENGTH (ft.) (B) Tapers 200 200 70 245 280 35 350 500 150 540 400 40 500 1000 185 660 560 50 SA - 1000 SB - 1500 235 840 840 60	

¹ Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION
- (2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

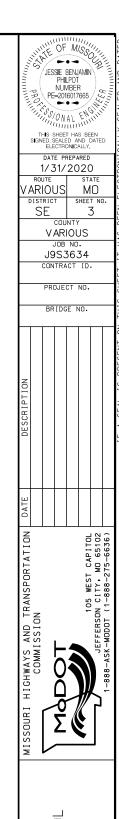
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGE
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- F BARRICADE
- CHANGEABLE MESSAGE BOARD
- TRUCK MOUNTED ATTENUATOR
 W/ FLASHING ARROW

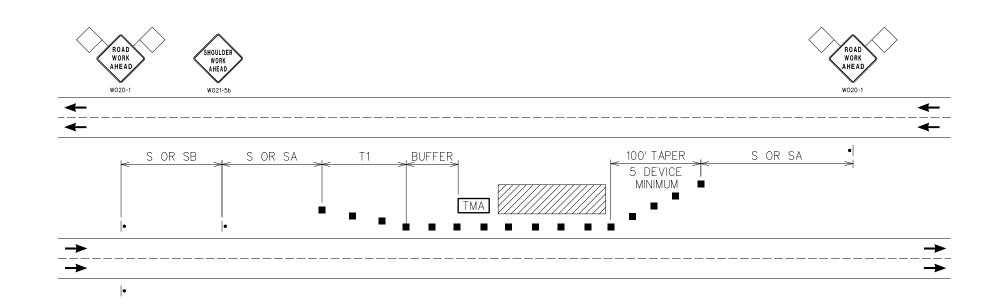
TRAFFIC CONTROL DEVICES

GENERAL NOTES:

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



TRAFFIC CONTROL SHEET 1 OF 9

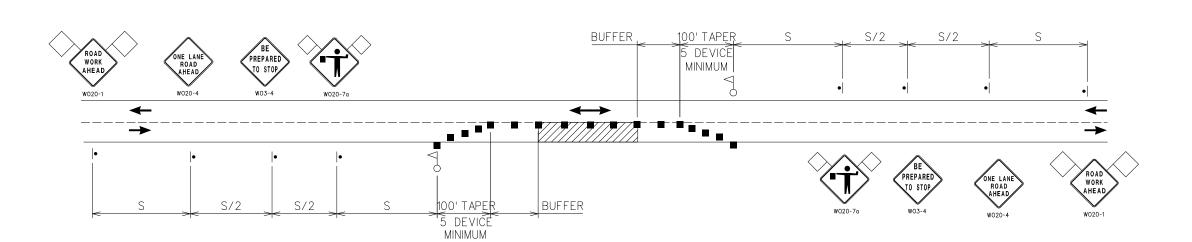


LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER

NOTES:

WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH SPEED ROADWAY. SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

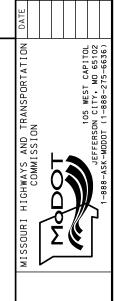


ONE-LANE TWO-WAY OPERATION WITH FLAGGERS

A MINIMUM OF TWO FLAGGERS WILL BE REQUIRED TO DIRECT TRAFFIC.
ADDITIONAL FLAGGERS MAY BE REQUIRED WHEN WORKING AT INTERSECTING
STREETS OR RAMPS AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT WILL BE MADE FOR FLAGGERS

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



CONTROL 2 OF 9

SHEET S

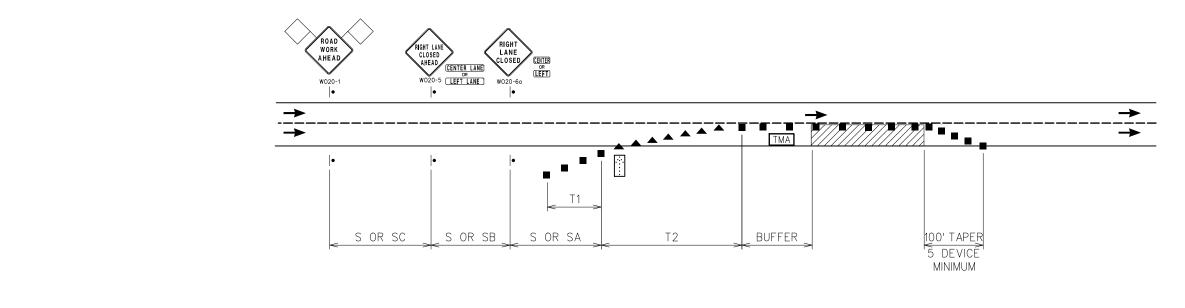
JESSIE BENJAMIN PHILPOT NUMBER

1/31/2020 ARIOUS MO

> VARIOUS J9S3634 CONTRACT ID PROJECT NO. BRIDGE NO.

SE

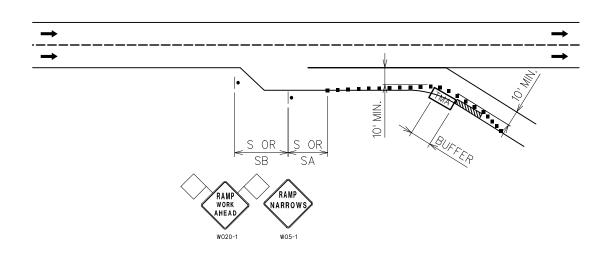
SHEET NO



SINGLE LANE CLOSURE

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



PARTIAL RAMP CLOSURE

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



TRAFFIC CONTROL SHEET 3 OF 9

1/31/2020

VARIOUS MO
DISTRICT SHEET NO
SE 5

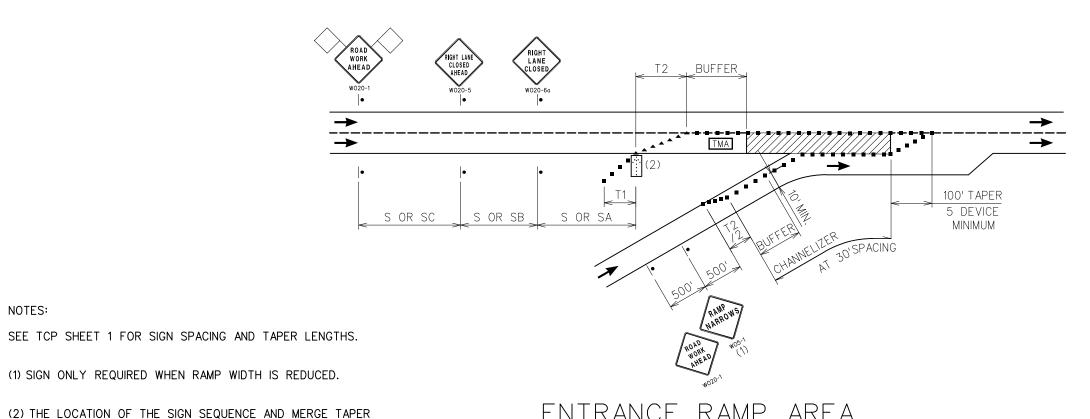
VARIOUS

JOB NO.

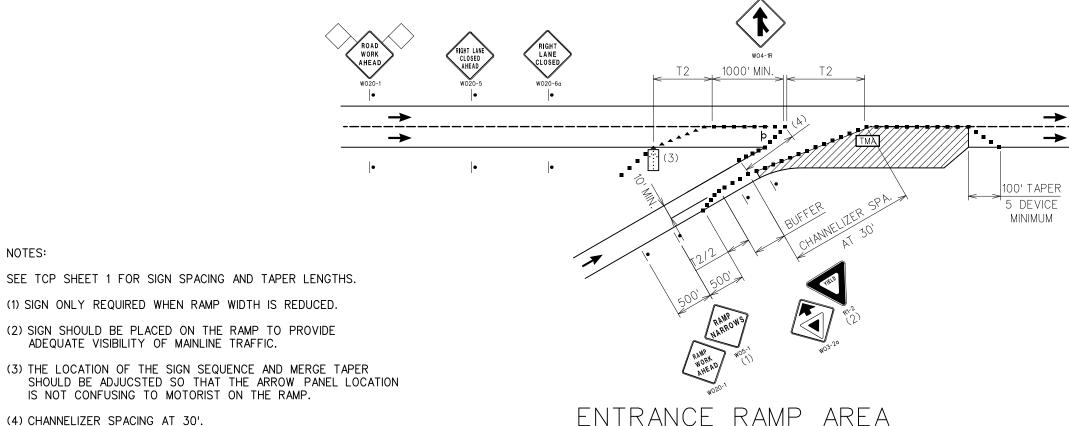
J9S3634

CONTRACT ID.

PROJECT NO



ENTRANCE RAMP AREA MAINLINE WORK



SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION

IS NOT CONFUSING TO MOTORIST ON THE RAMP.

ENTRANCE RAMP AREA ACCELERATION LANE WORK MISSOURI HIGHWAYS AND TRANSPORTATION DATE
COMMISSION

MACHINE 105 WEST CAPITOL
JEFFERSON CITY, MG 65102

JESSIE BENJAMIN PHILPOT NUMBER

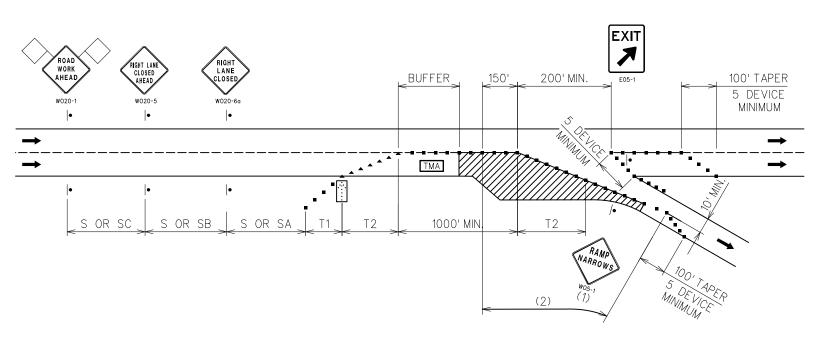
1/31/2020
ROUTE STATE
ARIOUS MO

VARIOUS JOB NO. J9S3634

CONTRACT ID

PROJECT NO.

TRAFFIC CONTROL SHEET 4 OF 9



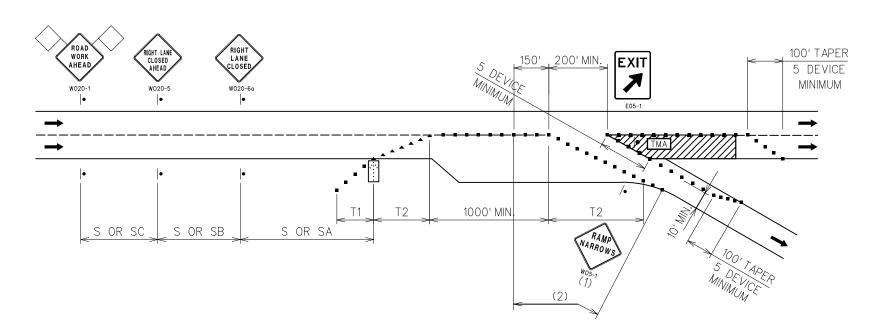
NOTES:

EXIT RAMP AREA DECELERATION LANE WORK

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2) CHANNELIZER SPACING AT 30'.



NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2) CHANNELIZER SPACING AT 30'.

EXIT RAMP AREA MAINLINE WORK MISSOURI HIGHWAYS AND TRANSPORTATION DO COMMISSION

COMMISSION

105 WEST CAPITOL

1-888-AKK-MUNDT (1-888-275-6836)

1/31/2020

VARIOUS

JOB NO.

J9S3634

CONTRACT ID.

TRAFFIC CONTROL SHEET 5 OF 9

