DESIGN DESIGNATION

A.A.D.T. - 2024 = 8,470
A.A.D.T. - 2044 = 11,408
T = 3.7%
V = 45 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION- MINOR ROUTE

NORMAL ACCESS RIGHT OF WAY
WILL BE REQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

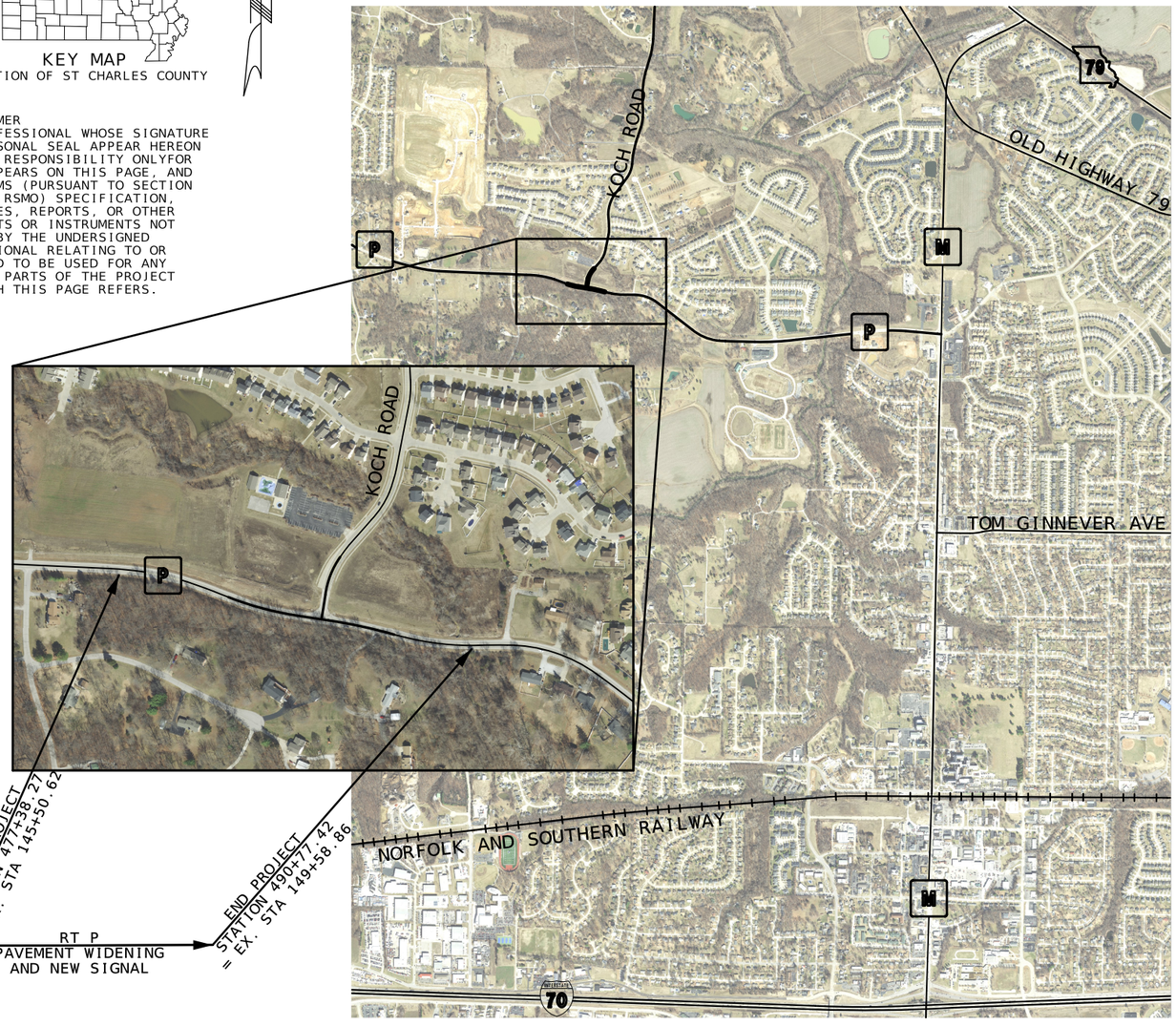
ST. CHARLES COUNTY

T47N, R3E



KEY MAP
LOCATION OF ST CHARLES COUNTY

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLYFOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



NOT TO SCALE

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
TYPICAL SECTIONS (TS) (4 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
PLAN-PROFILE (PP)	4
RIGHT OF WAY (RW)	5
REF/COORD. POINTS (RP AND CP)	6
TRAFFIC CONTROL SHEETS (TC)	7-17
EROSION CONTROL SHEETS (EC)	18
LIGHTING (LT)	19-22
SIGNALS (SG)	23-30
SIGNING (SN)	31-35
PAVEMENT MARKING (PM)	36
CULVERT SECTIONS (CS)	37
CROSS SECTIONS (XS)	1-9

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 477 + 38.27	
END OF PROJECT	STA. 490 + 77.42	
APPARENT LENGTH	1339.15	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
TOTAL CORRECTIONS	0.0	FEET
NET LENGTH OF PROJECT	1339.15	FEET
STATE LENGTH	0.254	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.9	ACRES

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
10/29/2026 11:49:01 AM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 10/27/2026
ROUTE: P | STATE: MO
DISTRICT: SL | SHEET NO.: 1
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

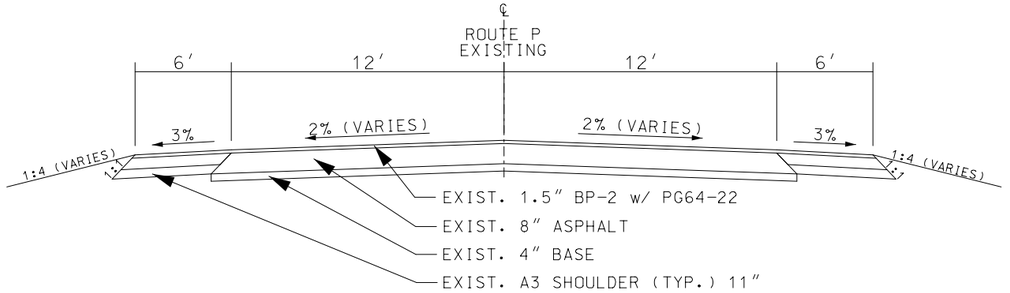
DESCRIPTION	DATE

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

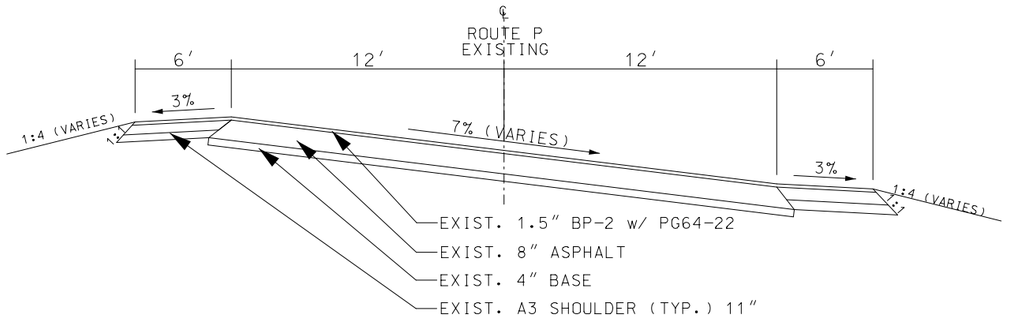
TITLE SHEET

ROUTE P EXISTING TYPICAL SECTIONS

BETWEEN STA. 480+53 THRU 488+81



PAVEMENT HISTORY
2019: 1.5″ MILL AND FILL WITH BP-2 PG64-22
2000: 2′ MAINLINE WIDENING, ADDED 6′ SHOULDER, AND 1.75″ BITUMINOUS PAVEMENT OVERLAY



PROPOSED OPTIONAL PAVEMENT

MAINLINE

ASPHALT

2″ BP-1 w/ PG64-22
OVER
8″ BB w/ PG64-22

OR

CONCRETE

2″ BP-1 (w/PG64-22)
OVER
9″ PCCP (✳ NOT WIDENED) OR 8″ PCCP (✳✳ WIDENED)

NOTE:
MODIFIED TACK COAT FOR ASPHALT OVER CONCRETE PTS

SHOULDER

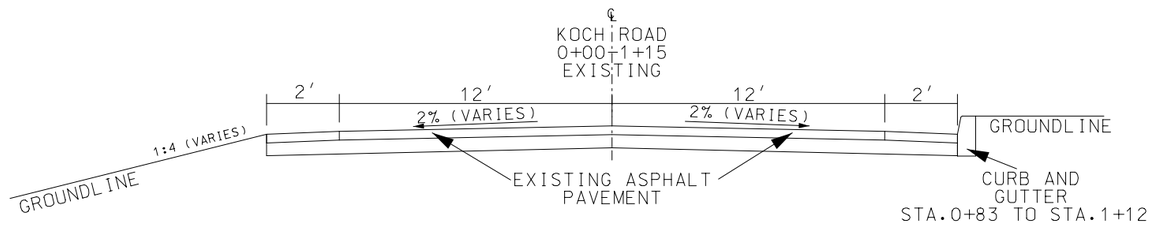
A2 or FULL DEPTH

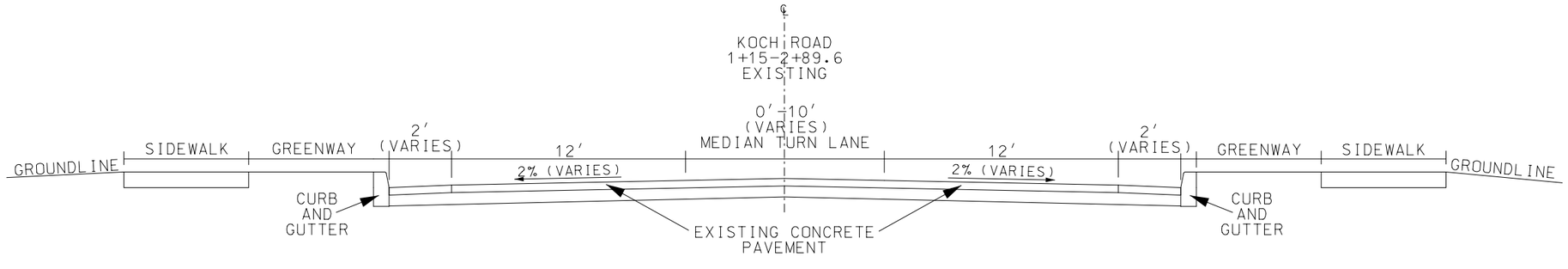
✳ NON WIDENED – WHEN PAVEMENT IS LESS THAN 13′ WIDE
✳✳ WIDENEND – WHEN PAVEMENT IS 13′ WIDE OR GREATER

APPLICATION RATES

TACK COAT COLDMILLED SURFACES	0.10 GAL./SY
TACK COAT EXISTING SURFACES	0.08 GAL./SY
TACK COAT BTW. LIFTS OF NEW AC SURFACE	0.05 GAL./SY
BIT. BASE PG64-22	1.940 TONS/SY
BP-1 , (PG64-22)	1.960 TONS/CY

KOCH ROAD EXISTING TYPICAL SECTIONS





NOT TO SCALE

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:10:44 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/29/2026
ROUTE: P
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

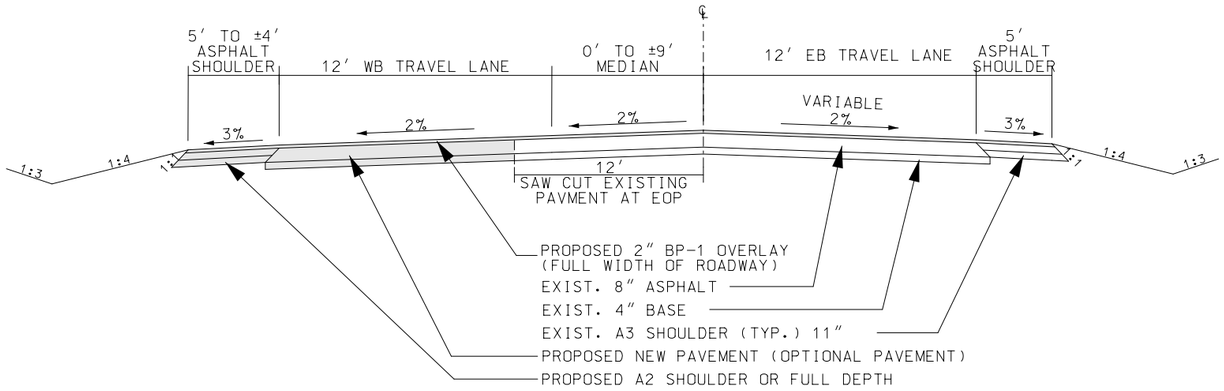
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

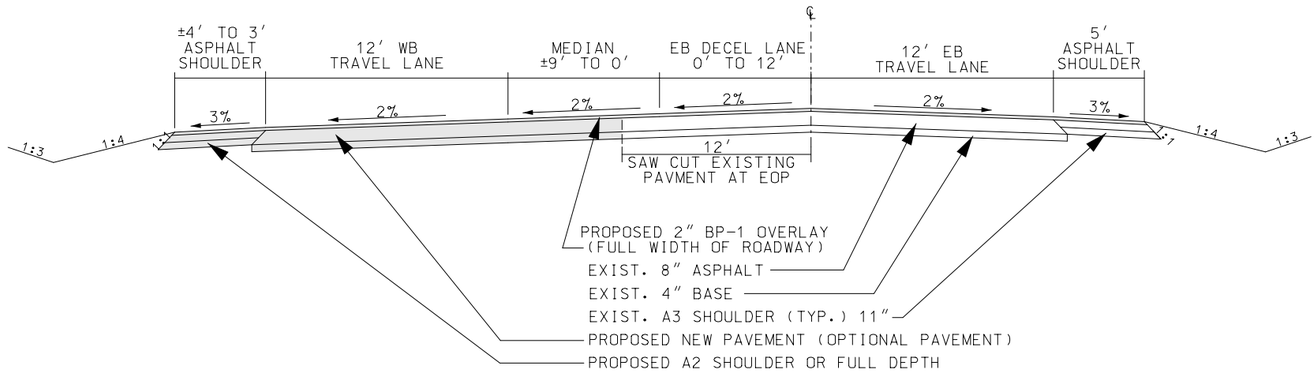
TYPICAL SECTIONS
SHEET 1 OF 4

RT P (PROPOSED)
WEST LEG OF INTERSECTION
480+53.03 TO 482+60

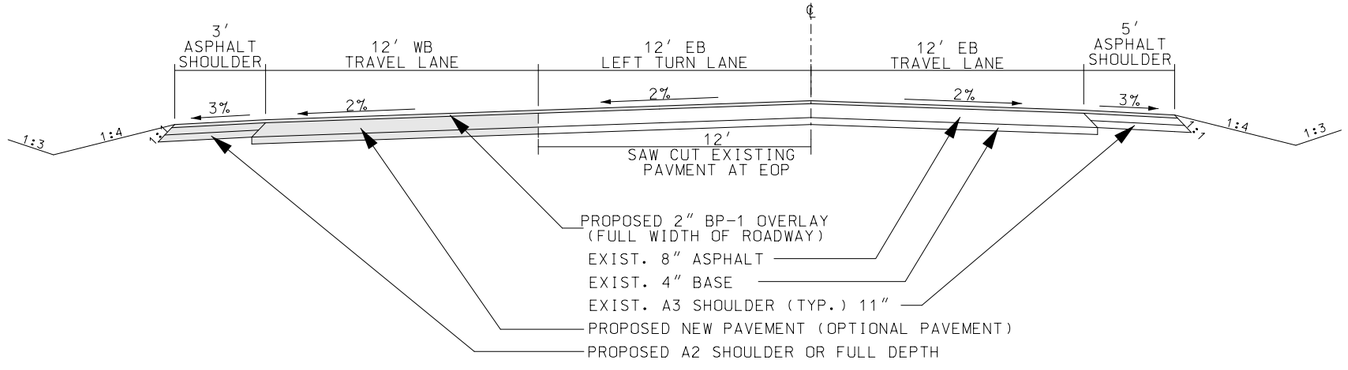


482+12.15 to 482+60.63
VARIABLE SLOPE IN EB LANES DUE TO ENTERING CURVE AT 482+12.15
FROM −2% TO +2%

RT P (PROPOSED)
WEST LEG OF INTERSECTION
482+60 TO 483+60



RT P (PROPOSED)
WEST LEG OF INTERSECTION
483+60 to 484+40



NOT TO SCALE

PROPOSED OPTIONAL PAVEMENT

MAINLINE

ASPHALT

2″ BP-1 w/ PG64-22
OVER
8″ BB w/ PG64-22

OR

CONCRETE

2″ BP-1 (w/PG64-22)
OVER
9″ PCCP (✳ NOT WIDENED) OR 8″ PCCP (✳✳ WIDENED)

NOTE:
MODIFIED TACK COAT FOR ASPHALT OVER CONCRETE PTS

SHOULDER

A2 or FULL DEPTH

✳ NON WIDENED − WHEN PAVEMENT IS LESS THAN 13′ WIDE
✳✳ WIDENEND − WHEN PAVEMENT IS 13′ WIDE OR GREATER

APPLICATION RATES

TACK COAT COLDMILLED SURFACES	0.10 GAL./SY
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STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

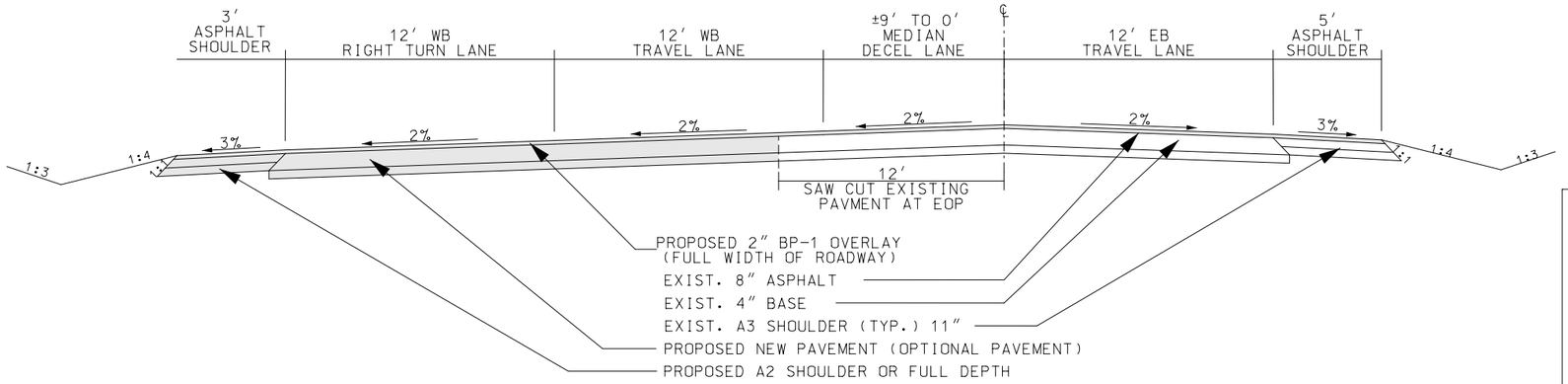
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

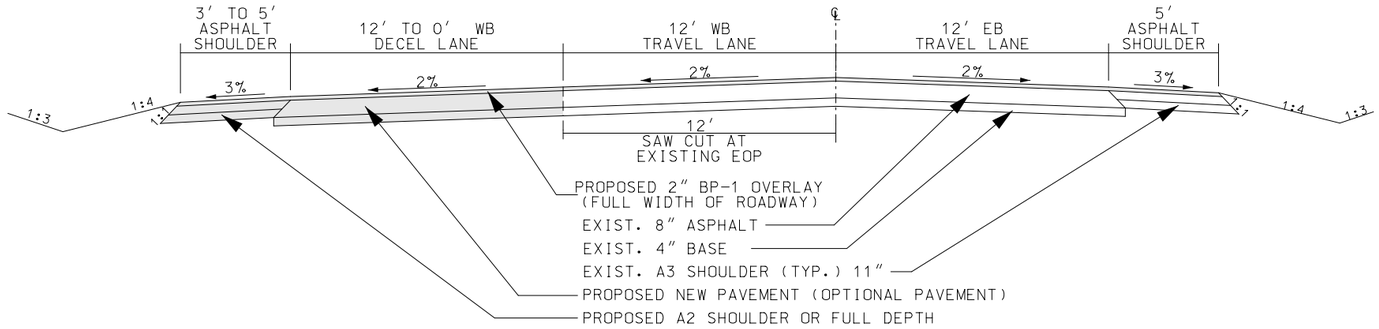
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION
SHEET 2 OF 4

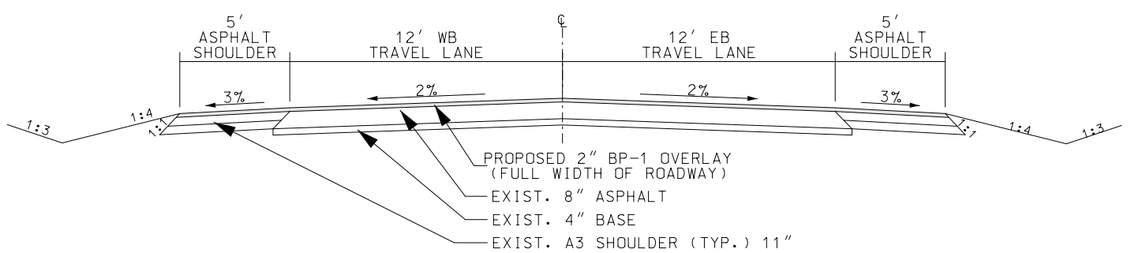
RT P (PROPOSED)
EAST LEG OF INTERSECTION
485+80 TO 487+54



RT P (PROPOSED)
EAST LEG OF INTERSECTION
487+54 to 488+55



RT P (PROPOSED)
EAST LEG OF INTERSECTION
488+55 to 488+80.36



NOT TO SCALE

PROPOSED OPTIONAL PAVEMENT

MAINLINE

ASPHALT

2″ BP-1 w/ PG64-22
OVER
8″ BB w/ PG64-22

OR

CONCRETE

2″ BP-1 (w/PG64-22)
OVER
9″ PCCP (✳ NOT WIDENED) OR 8″ PCCP (✳✳ WIDENED)

NOTE:
MODIFIED TACK COAT FOR ASPHALT OVER CONCRETE PTS

SHOULDER

A2 or FULL DEPTH

✳ NON WIDENED – WHEN PAVEMENT IS LESS THAN 13′ WIDE
✳✳ WIDENEND – WHEN PAVEMENT IS 13′ WIDE OR GREATER

APPLICATION RATES

TACK COAT COLDMILLED SURFACES	0.10 GAL./SY
TACK COAT EXISTING SURFACES	0.08 GAL./SY
TACK COAT BTW. LIFTS OF NEW AC SURFACE	0.05 GAL./SY
BIT. BASE PG64-22	1.940 TONS/SY
BP-1 , (PG64-22)	1.960 TONS/CY

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
USACE/CADD 2.1.41 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

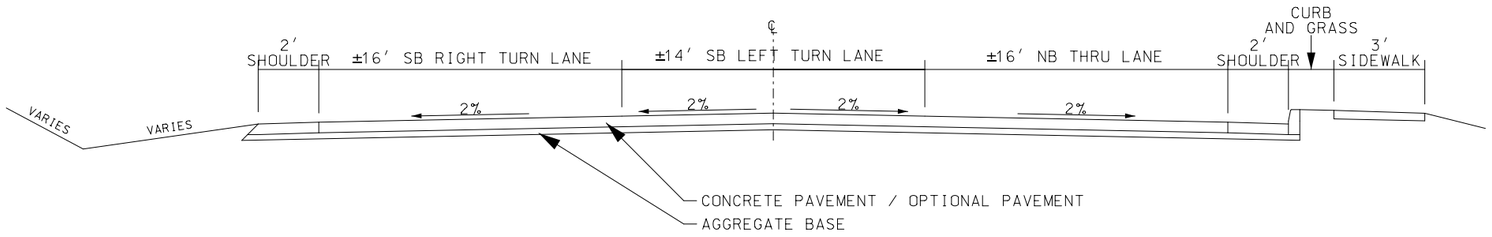
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION
SHEET 3 OF 4

KOCH ROAD
NORTH LEG OF INTERSECTION

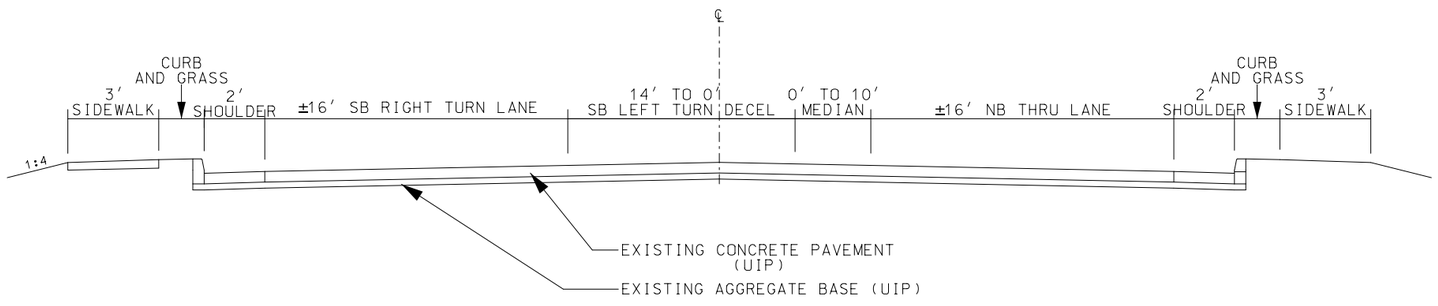
KOCH ROAD (PROPOSED)

0+72.10 TO 1+16.05



KOCH ROAD (PROPOSED LANE LAYOUT)

1+16.05 TO 2+45.15



NOT TO SCALE

PROPOSED OPTIONAL PAVEMENT

MAINLINE

ASPHALT

2″ BP-1 w/ PG64-22
OVER
8″ BB w/ PG64-22

OR

CONCRETE

2″ BP-1 (w/PG64-22)
OVER
9″ PCCP (✳ NOT WIDENED) OR 8″ PCCP (✳✳ WIDENED)

NOTE:
MODIFIED TACK COAT FOR ASPHALT OVER CONCRETE PTS

SHOULDER

A2 or FULL DEPTH

✳ NON WIDENED – WHEN PAVEMENT IS LESS THAN 13′ WIDE
✳✳ WIDENEND – WHEN PAVEMENT IS 13′ WIDE OR GREATER

APPLICATION RATES

TACK COAT COLDMILLED SURFACES	0.10 GAL./SY
TACK COAT EXISTING SURFACES	0.08 GAL./SY
TACK COAT BTW. LIFTS OF NEW AC SURFACE	0.05 GAL./SY
BIT. BASE PG64-22	1.940 TONS/SY
BP-1 , (PG64-22)	1.960 TONS/CY

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:14:45 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTION
SHEET 4 OF 4

MOBILIZATION
Total = 1.0 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
Total = 1.0 LUMP SUM

REMOVAL OF IMPROVEMENTS

SHEET	RDWY	STATION	STATION	LOCATION	DESCRIPTION	QUANTITIY (LF)	QUANTITY (SY)	QUANTITY (EACH)	REMARKS
	RT P								
	RT P	480+53.03	484+77.58		SAW CUT	425			SAW CUT ALONG RT P WB SHOULDER WEST OF KOCH ROAD
	RT P	485+82.94	488+54.71		SAW CUT	275			SAW CUT ALONG RT P WB SHOULDER EAST OF KOCH ROAD
	RT P	480+53.03	484+77.58		SHOULDER REMOVAL	424.55	234.44		RT P SHOULDER WEST OF INTERSECTION
	RT P	485+82.94	488+54.71		SHOULDER REMOVAL	271.77	151.67		RT P SHOULDER EAST OF INTERSECTION
	KOCH	0+50	0+56		SAWCUT	70			SAW CUT ASPHALT FOR PIPE INSTALL
	RT P	485+02.67		KOCH ROAD	SIGN			1	STOP SIGN ON KOCH ROAD STA 0+36
	KOCH	1+03			EXISTING LIGHT POLE			1	REMOVE EXISTING LIGHT POLE
	KOCH	2+30			RELOCATE SIGN			1	MIDDLE TURN LANE SIGN RELOCATE TO STA 3+05
PAY TOTAL = 1 LUMP SUM									

PERMANENT SEEDING AND MULCHING

EROSION CONTROL SHEET	STATION	STATION	LOCATION	SEEDING COOL SEASON (AC)	SEEDING WARM SEASON (AC)	TEMPORARY SEED (AC)	MULCHING (AC)	CLEAR AND GRUB (AC)	ADDITIONAL MOB FOR SEEDING (EA)	REMARKS
	480+53	484+95		0.141	0.514	0.514	1.17			
	485+45	488+81		0.075	0.016	0.016	0.11			
									1	EACH OCCURANCE
	484+10	484+84	NW OF INTERSECTION					0.03		EXISTING, TREE AND GRUB REMOVAL NORTHWEST OF KOCH INTERSECTION
	480+53.03	487+20.08	RT P (RIGHT)					0.20		EXISTING, TREE BRANCH TRIMMING FOR SIGNAL VISIBILITY
			TOTAL	0.22	0.53	0.53	1.28	0.23	1	
			PAYTOTAL	0.2	0.5	0.5	1.2	1	1	

EROSION CONTROL

PLAN SHEET NO.	ROADWAY	BEGIN STATION	END STATION	DITCH CHECK: ROCK DITCH CHECK (LF)	SEDIMENT REMOVAL: SILT FENCE (LF)	SEDIMENT REMOVAL: SEDIMENT REMOVAL (CY)	REMARKS
	RT P	480+76	488+78	138		23	SEE EROSION SHEET FOR LOCATIONS
		481+68	484+83	-	315	3	NW CORNER OF PROJECT
		484+17	485+80		163	1.5	SOUTH EDGE OF INTERSECTION
				-			
			TOTAL	138	478	28	
			PAY TOTAL	138	478	28	

COORDINATE AND INSTALL COMISSION-FURNISHED COMMUNICATION DEVICES (EACH) = 1

CONTRACTOR FURN. INSTALL IP ADDRESSABLE POWER = 1 LUMP SUM

NETWORK CONNECTED SIGNAL MONITOR = 1 EACH

PAVEMENT MARKING

PLAN SHEET NO.	ROADWAY	BEGIN STA	END LOG	AVERAGE WIDTH	4"WIDE SOLID WHITE (LF)	4"WIDE SOLID YELLOW (LF)	24" WIDE SOLID WHITE STOP BAR (LF)	24" WIDE SOLID YELLOW DIAGONAL (LF)	PREFORMED THERMOPLASTIC WHITE (LEFT)	PREFORMED THERMOPLASTIC WHITE (RIGHT)	PAVEMENT MARKING REMOVAL (LF)	REMARKS
	RT P			24-36	939	1478	24	34	1			WEST OF INTERSECTION
	RT P			24-36	780	968	25	25		1		EAST OF INTERSECTION
	RT P			VARIES	257							INTERSECTION
	KOCH ROAD			46	135	90	31					KOCH ROAD
	KOCH ROAD				447	754			1	1	805	KOCH ROAD (PROPOSED)
			TOTAL		2558	3290	80	59	2	2	805	
			PAY TOTAL		2558	3290	80	59	2	2	805	

DRAINAGE

PLAN SHEET NO.	CULVERT SHEET NO.	STRUCTURE NUMBER	STATION	ROADWAY	LOCATION	LINEAR DEPTH (LF)	GROUP A FLARED END SEC. 24" (EA)	GROUP A FLARED END SEC. 30" (EA)	GROUP A CULVERT PIPES 24" (LF)	GROUP A CULVERT PIPES 30" (LF)	PIPE COLLAR TYPE A (EACH)	ROCK LINING CLASS 3 EXC. (CY)	ROCK LINING FOR CULVERT OUTLETS (CY)	FLOWABLE BACKFILL (CY)	REMARKS
37	1		0+52.94	KOCH ROAD				2		113		94.2	4		
4			0+31	KOCH ROAD										9	FILL IN EXISTING CULVERT PIPE
					TOTAL		0	2	0	113	0	94.2	4	9	
					PAY TOTAL		0	2	0	113	0	94	4	9	

SUMMARY OF QUANTITIES
SHEET 1 OF 4

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
10/29/2026 11:51:36 AM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 10/27/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. CHARLES
JOB NO.: J6S3666
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)

SUMMARY OF QUANTITIES
SHEET 1 OF 4

EARTHWORK

PLAN SHEET NUMBER	BEGIN STATION	END STATION	ROADWAY	LOCATION	CLASS A EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	CLASS 3 EXCAVATION (CY)	REMARKS
ALL	480+53.03	488+80.364	P	NW & NE	4419.8	168.4		
				TOTAL	4419.8	168.4		
				PAY TOTAL	4420	168		

RESURFACING

PLAN SHEET NO.	RDWY	BEGIN STATION	END STATION	LOCATION	MAINLINE 2" BP-1 PG64-22 RESURFACE (SF)	MAINLINE 2" BP-1 PG64-22 RESURFACE (SY)	SHOULDER AREA 2" BP-1 PG64-22 RESURFACE (SF)	SHOULDER AREA 2" BP-1 PG64-22 RESURFACE (SY)	2" BP-1 PG 64-22 TONNAGE (T)	MODIFIED COLDMILLING (SY)	TACK COAT (GAL)	REMARKS
	RT P	480+53.03	488+80.36	EXISTING EB/WB LANES	19856.0	2206.2			237.8		220.6	EXISTING MAINLINE LANES
	RT P	480+53.03	482+53.03	WEST END OF PROJECT						266.7		
	RT P	468+80.36	488+80.36	EAST END OF PROJECT						266.7		
	RT P	480+53.03	488+80.36	EXISTING EB SHOULDER			4145.0	460.6	49.6		46.1	EXISTING EB SHOULDER
	Rt P	488+54.71	488+80.36	EXISTING WB SHOULDER			129.0	14.3	1.5		1.4	EXISTING WB SHOULDER
	KOCH RD			EXISTING PAVEMENT	4281.0	475.7			51.3		47.6	EXISTING ROADWAY PAVEMENT
			TOTAL						340.2	533.4	315.7	
			ADD 5% FOR IRREGULARITIES						17.0	26.7	15.8	
			PAY TOTAL						357	560	332	

NOTE: SEE PLANS FOR LOCATIONS AND TYPICAL SECTIONS FOR DETAIL

OPTIONAL PAVEMENT (9.5" HMA or 2" BP-1 Over 9" PCCP)

PLAN SHEET NO.	RDWY	BEGIN STATION	END STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	MAINLINE AREA (SY)	SHOULDER AREA (SY)	MODIFIED TACK COAT (GAL)	REMARKS
	RT P	480+53.03	485+14.74	NORTHWEST OF INTERSECTION	461.71	VARIES	674.78	293.33	193.62	NORTHWEST
	RT P	485+44	488+54.71	NORTHEAST OF INTERSECTION	310.71	VARIES	463.22	122.33	117.11	NORTHEAST
			TOTAL				674.8	415.7	310.7	
			ADD 5% FOR IRREGULARITIES				33.7	20.8	15.5	
			PAY TOTAL				1145		-	

PAVEMENT EDGE TREATMENT

RDWY	BEGIN STATION	END STATION	LOCATION	PERMANENT AGGREGATE EDGE TREATMENT (LF)	REMARKS
RT P	480+53.03	484+50	W OF INTERSECTION	758.9	BOTH SIDES
RT P	484+50	485+70	INTERSECTION	120.0	SOUTH OF INTERSECTION
RT P	485+70	488+80	E OF INTERSECTION	620.0	BOTH SIDES
		TOTAL		1498.9	
		PAY TOTAL		1499	

PERMANENT AGGREGATE EDGE TREATMENT CALCULATED BY TAKING ENTIRE LENGTH OF ROAD AND SUBTRACTING OUT FOR DRIVEWAYS, EXCEPTION, AND SIDE ROADS

GRAVEL (A)

RDWY	BEGIN STATION	END STATION	LOCATION	AREA SY	QTY TON	REMARKS
RT P	487+23	487+60	RT P (RIGHT)	27.8	55.6	DRIVEWAY EAST OF RT P AND KOCH INTERSECTION
		TOTAL		27.8		
		ADD 5% FOR IRREGULARITIES		1.4		
		PAY TOTAL		29		ESTIMATED AT 2 TONS/CY - MEASURED FROM TOP AREA

PARTIAL DEPTH PAVEMENT REPAIR

REPAIR SIZE		PARTIAL DEPTH (SF)	REMOVAL OF BIT. MATERIAL CLASS C (SY)	FURNISH & PLACE BIT. MATERIAL CLASS C (TON)	TACK COAT (GAL)	REMARKS
		1207	134.1	14.5	13.4	5% of Total Existing Pavement
TOTAL			134.1	14.5	13.4	
ADD 5% for Irregularities			13.4	1.5	0.7	
PAY TOTAL			148	16.0	-	

NON-CONTRACTUAL COMMISSION FURNISHED ITS

SHEET NO	STATION	LOCATION	OFFSET	COMMISSIONED FURNISHED SWITCHES (EA)	ELECTRIC HOOKUP (EA)	IP ADDRESSABLE POWER STRIP (EA)	REMARKS
23	484+55.52	LT	104	1		1	ITEMS IN THE SIGNAL CONTROLLER CABINET
23	484+16.96	LT	108		1		
			TOTAL	1	1	1	
			PAY TOTAL	*	*	*	

* TOTAL FOR INFORMATION ONLY

SUMMARY OF QUANTITIES
SHEET 2 OF 4

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
10/29/2026 1:06:34 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 10/27/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. CHARLES
JOB NO.: J6S3666
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)

SUMMARY OF QUANTITIES
SHEET 2 OF 4

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00	3	48.00				BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO4-2L	48X48	16.00						LEFT LANE ENDS
WO4-2R	48X48	16.00						RIGHT LANE ENDS
WO5-1	48X48	16.00	3	48.00				ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00	2	48.00				UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00	2	32.00				SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00	2	32.00				SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00	4	20.00				SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00	2	48.00				XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	5	80.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00	2	32.00				ROAD CLOSED AHEAD
WO20-4	48X48	16.00	3	48.00				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	3	48.00				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	3	48.00				SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	3	6.57				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	2	16.00				END ROAD WORK
GO20-4	36X18	4.50	3	13.50				PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	7	84.00				SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	3	36.00				WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL
	664

616-10.10 RELOCATED SIGNS	TOTAL

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025 DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	75	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	10	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099	3	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

SUMMARY OF QUANTITIES
SHEET 3 OF 4

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
10/29/2026 11:50:23 AM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 10/27/2026

ROUTE	STATE
P	MO

DISTRICT	SHEET NO.
SL	3

COUNTY: ST. CHARLES
JOB NO.: J6S3666
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)

TEMPORARY TRAFFIC CONTROL
QUANTITIES
SHEET 3 OF 4

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

LIGHTING
SUMMARY OF QUANTITIES

CONDUIT

INTERSECTION	FROM	TO	CENTER TO CENTER DISTANCE (FT)	TRENCH 2"	TRENCH 3"	TRENCH 4"	PUSHED 2"	PUSHED 3"	PUSHED 4"	MEDIAN 2"	MEDIAN 3"	MEDIAN 4"	REMARKS
RTE P @ KOCH ROAD	POWER DROP	⊠	39	✳39									✳SOURCE TO POWER SUPPLY
RTE P @ KOCH ROAD	L1	L1	70		70								
RTE P @ KOCH ROAD	L1	L2	98					98					
RTE P @ KOCH ROAD	L1	L2	70					70					
RTE P @ KOCH ROAD	L2	L3	155		155								
TOTALS				39	225			168					

✳ NO DIRECT PAY

CABLE CONDUIT / TRENCHING

1" CABLE CONDUIT #6 AWG	1" CABLE CONDUIT #8 AWG	LOCATION	REMARKS	TYPE I	TYPE II	TYPE III	FROM	TO	CENTER TO CENTER DISTANCE	POWER #2 AWG & BN	LUMINAIRE GROUNDING WIRE 1c #10	LUMINAIRE POLE & BRACKET 1c #10	REMARKS
		RTE P	✳SOURCE TO PS				POWER DROP	⊠	39	60			✳SOURCE TO POWER SUPPLY
	146	RTE P	PS TO POLE L1	76			⊠	L1	102		30	60	PS TO POLE L1 (CIRCUIT 1)
	132	RTE P	PS TO POLE L2	230			⊠	L2	298		30	60	PS TO POLE L2 (CIRCUIT 1)
	354	RTE P	PS TO POLE L3	31			⊠	L3	76		30	60	PS TO POLE L3 (CIRCUIT 1)
632				337			SUBTOTALS				90	180	
32		5% SNAKING		X			5% SNAKING				5	9	
670		TOTALS		337			TOTALS			NO PAY	95	190	

✳ NO DIRECT PAY

POLE & LIGHT

POST NUMBER	PULL BOX NUMBER	LOCATION	STATION (OFF RTE)	OFFSET 94 CL)	BASE POLE FOUNDATION DESIGN NO. 1	DESIGN NO. 2	TYPE AT-30 (EACH)	PULL BOX PREFORMED CONCRETE CLASS 1	CLASS 2	CLASS 3	CLASS 5	STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE✳ I	II A	II B	II C	LUMINAIRE LOW TILT	HIGH TILT	TOP MOUNT LUMINAIRE ✳ LED-A (EACH)	TOP MOUNT POLE TYPE AT-30 (EACH)	CIRCUIT
L1		ROUTE P	484+19	-38		1	1												1		1	1	1
L2		ROUTE P	485+50	-96		1	1												1		1	1	1
L3		ROUTE P	485+92	25		1	1												1		1	1	1
	L1	ROUTE 94	484+53	-97				1															1
	L2	ROUTE 94	484+38.5	27				1															1
SUBTOTAL					X		3	2							X				X		3	3	X
TOTAL					X		3	2							X				X		3	3	X

240/480V MULTICIRCUIT PAD MOUNTED DUAL METER SUPPLY AND CONTROL STATION

SHEET NO.	STATION	OFFSET	LOCATION	POWER SUPP/ LGHT CONTROL 120/240V	DIRECTN TO FACE METER	BREAKERS (AMPS) UPS	MAIN	CIRCUIT 1	2	3	4
19	484+55	-103.5	RTE P	SEE SIGNALS	S	1	100	15	15		
			TOTALS:	SEE SIGNALS	EACH	1					

SEE SIGNAL D-37C SHEET RTE P @ KOCH RD LT. CONTROLLER & PS

✳ PAYMENT FOR TOP MOUNT LUMINAIRE INCLUDES ALL BRACKETS AND EQUIPMENT NECESSARY FOR INSTALLATION.

PRICE BID FOR POWER SUPPLY ASSEMBLY SHALL INCLUDE CABLE-CONDUIT, CONDUIT AND TRENCHING AND PUSHING BETWEEN ASSEMBLYL AND UTILITY COMPANY FACILITIES.

SUMMARY OF QUANITIES
SHEET 4 OF 4

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
10/29/2026 1:07:06 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED 10/27/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. CHARLES
JOB NO.: J6S3666
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)

LIGHTING QUANTITIES
QUANTITIY SHEET
SHEET 4 OF 4

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS COSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT

RIGHT OF WAY LIMITS FOR THIS PROJECT ALONG RTE P SHALL EXTEND FROM STA. 477+38.27 TO STA. 490+77.42

NEW OPTIONAL PAVEMENT

REMOVE PAVEMENT

EXISTING PAVEMENT OVERLAY

ALKFOUF NEZAR R*
ALKFOUF JACALYN Y
Site: HWY P
1 Mailing: 203 WHITEHIRST CT W, ST CHARLES MO, 63304
LAND AREA: 1.86 ACRES
ROW NEEDED: .(8893 sqft) or 0.204 ACRES
LAND REMAINING: 1.66 ACRES

LAND CORNER TIE
COMMENCING AT A FOUND IRON PIPE LOCATED AT THE MOST SOUTHERN CORNER OF COMMON GROUND "B" OF "HIGHLAND GREEN PLAT FOUR" PLAT BOOK 43 PAGES 172 173 OF THE ST. CHARLES COUNTY RECORDS TOWNSHIP 47 NORTH, RANGE 3 EAST
PROJECT COORDINATES:
N: 1092449.014'
E: 757765.250'

S05°14'17"W 459.07' TO FOUND LAND CORNER TIE 480+53.03 CENTERLINE STATION ROUTE P OF MISSOURI STATE ROUTE P

KELLERMAN LIV TRUST
SITE/MAIL: 815 HWY P, OFALLON MO, 63366
(NO ACQUISITION)

HYLAND GREEN FIRST ADDITION HOMEOWNERS ASSOC
Site: 1323 KOCH RD
Mailing: 2180 W ST RD 434, STE 5000, LONGWOOD FL, 32779
(NO ACQUISITION)

1 ALKFOUF NEZAR R*
ALKFOUF JACALYN Y
Site: 765 HWY P
Mailing: 203 WHITEHIRST CT W, ST CHARLES MO, 63304

MARISSA ENTERPRISES INC
Site: HWY P
Mailing: 2001 ALANA LN, OFALLON MO, 63366
(NO ACQUISITION)

PT STA 6+41.20

PI 5+45.14
PC 4+44.44
PT 6+41.20
Δ 30°3'49.0" (LT)
D 15°16'43.9"
L 196.77' (ARC)
T 100.70'
R 375.00'

PC STA 4+44.44

PT STA 2+94.44

PT STA 2+49.87

PC STA 1+60.80

N41°21'57"E

74 C.P. #1 MAG NAIL

PI 2+06.07
PC 1+60.80
PT 2+49.87
Δ 25°10'40.2" (RT)
D 28°16'2.7"
L 89.07' (ARC)
T 45.27'
R 202.69'

PROJECT LIMIT STA 1+16.05

KOCH ROAD

ROUTE P

490

PI 489+79.38
PC 488+80.36
PT 490+77.42
Δ 13°54'44.0" (LT)
D 7°3'36.6"
L 197.05' (ARC)
T 99.01'
R 811.54'

PT STA 490+77.42
PT STA 490+77.63
EQ STA 149+58.86
PT STA 149+58.86
END PROJECT

PC STA 488+80.36

STA. 485+70 TO STA. 488+80
INSTALL PAVEMENT EDGE TREATMENT

PT STA 487+20.08

PI 486+50.70
PC 485+81.24
PT 487+20.08
Δ 4°47'52.8" (RT)
D 3°27'20.6"
L 138.84' (ARC)
T 69.46'
R 1,658.00'

DRIER RUSSELL W*
ALVAREZ-DRIER JENNIFER M REVOC LIV TRUST
SITE/MAIL: 730 HWY P, OFALLON MO, 63366-1008
(NO ACQUISITION)

ALL STATIONING LABELS AND OFFSETS ARE BASED OFF OF PROPOSED ℄ (STA. 473+95.58 TO STA. 490+77.42)

BEGIN PROJECT STA 477+38.27

PC STA 145+50.62

EX. ROW

PT STA 480+53.03

STA. 480+53.03 TO STA. 484+50
INSTALL PAVEMENT EDGE TREATMENT

PI 478+96.87
PC 477+38.27
PT 480+53.03
Δ 17°22'40.6" (RT)
D 5°31'15.8"
L 314.76' (ARC)
T 158.60'
R 1,037.77'

STA. 480+53.03 TO STA. 487+20.08 (RT)
TRIM EXISTING TREE BRANCHES ON MODOT R/W TO IMPROVE VISIBILITY (±13' FROM E.O.S.)

PC STA 482+12.15

PI 483+11.17
PC 482+12.15
PT 484+09.54
Δ 11°22'38.6" (LT)
D 5°45'49.9"
L 197.39' (ARC)
T 99.02'
R 994.05'

PT STA 484+09.54

KOCH ROAD BEGIN
STA. 0+00
ROUTE P CL
STA. 485+05.88

485

PC STA 485+81.24

COLYER JOSEPH M*
COLYER MARY E
SITE/MAIL: 2 FOREST GREEN DR, OFALLON MO, 63366-1440
(NO ACQUISITION)

JORDAN JOSHUA*
JORDAN HEATHER
SITE/MAIL: 3 OAK RIDGE CT, OFALLON MO, 63366
(NO ACQUISITION)

SOMMERKAMP FAM RESID TRUST
SITE/MAILING: 5 OAK RIDGE CT OFALLON MO, 63366-1451
(NO ACQUISITION)

PIRRUNG KEVIN*PIRRUNG LISA
SITE/MAIL: 736 HWY P, OFALLON MO, 63366
(NO ACQUISITION)

OAK RIDGE COURT

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 PRVIDED TO THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILIBY OF THE INFORMATION FOR AND 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 FACILIJTY. SUCH VERIFCATION INCLUDE DIRECT CONTACT WITH THE LISTED UTILITES.

SCALE
0 50 100 150

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	4

COUNTY
ST. CHARLES

JOB NO.
J6S3666

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)

RT P AND KOCH INTERSECTION
PLAN SHEET

RIGHT OF WAY LIMITS FOR THIS PROJECT ALONG ROUTE P SHALL EXTEND FROM STA 477+38.27 TO STA 490+77.63

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 PRVIDED TO THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILIBY OF THE INFORMATION FOR AND 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 FACILIJTY. SUCH VERIFCATION INCLUDE DIRECT CONTACT WITH THE LISTED UTILITES.

LAND CORNER TIE
COMMENCING AT A FOUND IRON PIPE LOCATED AT THE MOST SOUTHERN CORNER OF COMMON GROUND "B" OF "HIGHLAND GREEN PLAT FOUR" PLAT BOOK 43 PAGES 172-173 OF THE ST. CHARLES COUNTY RECORDS TOWNSHIP 47 NORTH, RANGE 3 EAST
PROJECT COORDINATES:
N:1092449.014'
E: 757765.250'

S05°14'17"W 459.07' FROM LAND CORNER TIE TO CENTERLINE STATION 480+53.03 OF MISSOURI STATE ROUTE P

PT STA 480+53.03

KELLERMAN LIV TRUST
SITE/MAIL: 815 HWY P,
OFALLON MO, 63366

TOTAL AREA: 16.56 AC
NO ACQUISITION

1 ALKFOUF NEZAR R*
ALKFOUF JACALYN Y
Site: 765 HWY P
Mailing: 203 WHITEHIRST CT W,
ST CHARLES MO, 63304

TOTAL AREA: 1.86 ACRES
NEW RIGHT OF WAY: (8912 SQ. FT.) or 0.205 AC.
REMAINING AREA: 1.66 ACRES

PC STA 1+60.80

PI 2+06.07
PC 1+60.80
PT 2+49.87
Δ 25°10'40.2" (RT)
D 28°16'2.7"
L 89.07' (ARC)
T 45.27'
R 202.69'

PT STA 2+49.87

74
C.P. #1 MAG NAIL

MARISSA ENTERPRISES INC
Site: HWY P
Mailing: 2001 ALANA LN,
OFALLON MO, 63366

TOTAL AREA: 3.81 ACRES
NO AQUISITION

KOCH ROAD

PROJECT LIMIT STA 1+16.05

PT STA 0+80.48

PC STA 0+80.48

PROJECT LIMIT STA 487+20.08

PT STA 487+80.36

PC STA 488+80.36

ROUTE P

EX. ROW

GRADING LIMIT

SAW CUT LINE

NEW ROW LINE

PROPOSED ℄

EX. ℄

S69°33'39"E

S80°56'18"E

S78°36'07"E L=224.0184

N77°39'33"E L=45.9805

S74°27'29"E L=200.2627

S67°26'03"E L=62.0995

S76°08'25"E

1-1 FES

1-2 FES

T RISER

SIGN D3-1

SIGN D3-4

ALL STATIONING LABELS AND OFFSETS ARE BASED OFF OF PROPOSED ℄ STA. 473+95.58 TO STA. 490+77.42

NEW ROW BEGIN STA. 481+73.42

NEW ROW END STA. 484+83.55

PI 483+11.17
PC 482+12.15
PT 484+09.54
Δ 11°22'38.6" (LT)
D 5°45'49.9"
L 197.39' (ARC)
T 99.02'
R 994.05'

PC STA 482+12.15

PT STA 484+09.54

PC STA 485+81.24

KOCH ROAD BEGIN
STA. 0+00
ROUTE P CL
STA. 485+05.88

485

PI 486+50.70
PC 485+81.24
PT 487+20.08
Δ 4°47'52.8" (RT)
D 3°27'20.6"
L 138.84' (ARC)
T 69.46'
R 1,658.00'

JORDAN JOSHUA*
JORDAN HEATHER
SITE/MAIL: 3 OAK RIDGE CT,
OFALLON MO, 63366
TOTAL AREA: 2.92 AC
NO AQUISITION

SOMMERKAMP FAM RESID TRUST
SITE/MAILING: 5 OAK RIDGE CT
OFALLON MO, 63366-1451
TOTAL AREA: 3.01 AC
NO AQUISITION

DRIER RUSSELL W*
ALVAREZ-DRIER JENNIFER M REVOC LIV TRUST
SITE/MAIL: 730 HWY P
OFALLON MO, 63366-1008
TOTAL AREA: 2.65 AC
NO AQUISITION

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ROW ACQUISITION BEARINGS

PT	TO	PT	BEARING	DISTANCE	ARC LENGTH	ARC RADIUS	CHORD BEARING	CHORD LENGTH
A		B	N03*37'52"E	17'				
B		C	S78*36'07"E	224.02'				
C		D	N77*39'33"E	45.98'				
D		E	S73*48'45"E	24'				
A		H	S74*27'29"E	200.26'				
H		G	S67*26'03"E	62.10'				
G		F			41.35'	24.99'	S57*08'25"W	36.79'
F		E			34.19'	345.51'	S12*35'38"W	34.18'

NEW OPTIONAL PAVEMENT
REMOVE PAVEMENT
EXISTING PAVEMENT OVERLAY
PROPOSED ROW

LAND CORNER TIE
COMMENCING AT A FOUND IRON ROD LOCATED AT THE SOUTHEAST CORNER OF COMMON GROUND "F" OF "HIGHLAND GREEN PLAY THREE" PLAT BOOK 42 PAGES 51-53 OF THE ST. CHARLES COUNTY RECORDS TOWNSHIP 47 NORTH, RANGE 3 EAST
PROJECT COORDINATES:
N:1092035.267'
E: 758901.978'

S34°20'30"W 322.48' FROM LAND CORNER TIE TO PROJECT P.T. STA. 480+77.63 END OF PROJECT ON CENTERLINE STATION 490+77.63 OF MISSOURI STATE ROUTE P.

KOCH ROAD (40' WIDE)

SCALE
0 50 100 150

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 12:56:03 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED 9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	5

COUNTY ST. CHARLES
JOB NO. J6S3666
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)

RT P AND KOCH INTERSECTION
ROW SHEET

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD 83 (2011) EPOCH 2010.0
VERTICAL DATUM	NAVD 88: GNSS DERIVED
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	MODOT GNSS (NAVD 88)
PROJECT PROJECTION FACTOR	1.0000878

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT OFALLON CORS ARP
CORS_ID	MOOF
PID	DM4688
LATITUDE	38°45'14.06"
LONGITUDE	090°41'44.78"
NORTHING (M)	324131.153
EASTING (M)	232983.488
ZONE	2401 (MO EAST)
PROJECT AVERAGE GRID FACTOR	0.9999122

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #1
N 1092152.0190 X 0.9999122 = N 1092056.1280
E 758327.6540 X 0.9999122 = E 758261.0728

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

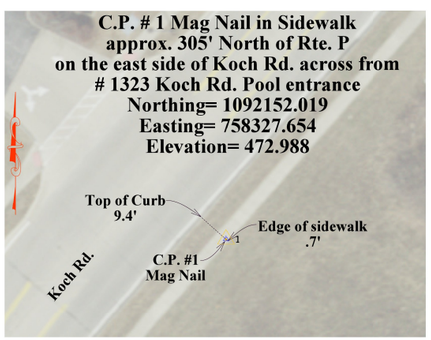
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION
PROJECT CONTROL POINTS							
4	486+21.59	RTE P	-304.84	1092152.0190	758327.6540	472.988	CP#1 IS BASED ON "CONSTRUCTION CL" RTE P CHAIN (CL)
4	484+66.71	RTE P	-48.73	1091925.2440	758127.1440	475.568	CP#2 IS BASED ON "CONSTRUCTION CL" RTE P CHAIN (CL)

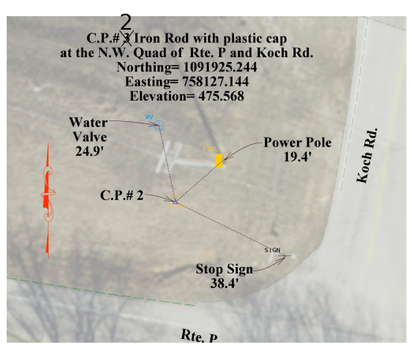
COORDINATE POINT LISTING

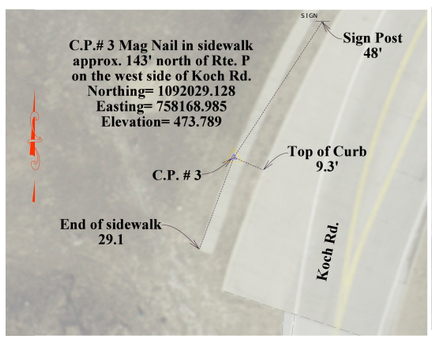
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	RADIUS	LENGTH	TANGENT	DESCRIPTION
ALIGNMENTS RTE P CL (CONSTRUCTION CL)									
4	477+38.27 R1	START PC	0	1,092,055.7166	757,416.3571				BEGIN PROJECT
4	478+96.87 R1	HPI		1,092,047.2471	757,574.7272	1,037.7683	314.7576	158.60	HORIZONTAL POINT OF INTERSECTION
4	480+53.03 R1	PT	0	1,091,991.8633	757,723.3391				PT
4	482+12.15 R1	PC	0	1,091,936.2970	757,872.4406				PC
4	483+11.17 R1	HPI		1,091,901.7176	757,965.2278	994.0504	197.3913	99.02	HORIZONTAL POINT OF INTERSECTION
4	484+09.54 R1	PT	0	1,091,886.1218	758,063.0132				PT
4	485+81.24 R1	PC	0	1,091,859.0796	758,232.5677				PC
4	486+50.70 R1	HPI		1,091,848.1395	758,301.1624	1,658.0000	138.8420	69.46	HORIZONTAL POINT OF INTERSECTION
4	487+20.08 R1	PT	0	1,091,831.5002	758,368.6016				PT
4	488+80.36 R1	PC	0	1,091,793.1050	758,524.2184				PC
4	489+79.38 R1	HPI		1,091,769.3868	758,620.3489	811.5374	197.0526	99.01	HORIZONTAL POINT OF INTERSECTION
4	490+77.42 R1	END PT	0	1,091,769.4774	758,719.3621				END PROJECT

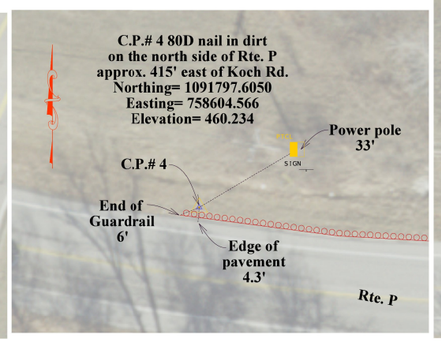
COORDINATE POINT LISTING

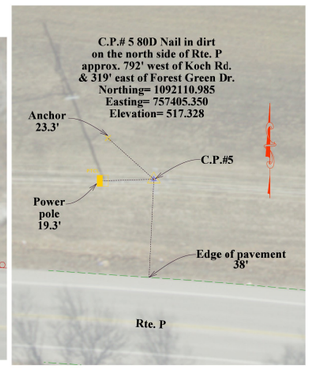
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	RADIUS	LENGTH	TANGENT	DESCRIPTION
ALIGNMENTS KOCH ROAD CL (CONSTRUCTION CL)									
4	0+00.00 R1	START	0	1091870.9486	758158.1491				BEGIN PROJECT
4	0+80.48 R1	HPI		1091948.2402	758180.5868				HORIZONTAL POINT OF INTERSECTION
4	1+60.80 R1	PC	0	1092025.3737	758202.9786				PC
4	2+06.07 R1	HPI		1092068.8449	758215.5983	202.69	89.07	45.27	HORIZONTAL POINT OF INTERSECTION
4	2+49.87 R1	PT	0	1092102.8171	758245.5129				PT
4	2+94.44 R1	HPI		1092136.2652	758274.9659				HORIZONTAL POINT OF INTERSECTION
4	4+44.44 R1	PC	0	1092248.8410	758374.0955				PC
4	5+45.14 R1	HPI		1092324.4199	758440.6473	375.00	196.77	100.70	HORIZONTAL POINT OF INTERSECTION
4	6+41.20 R1	PT	0	1092423.1711	758460.3837				PT
4	7+62.32 R1	END	0	1092541.9422	758484.1213				END PROJECT











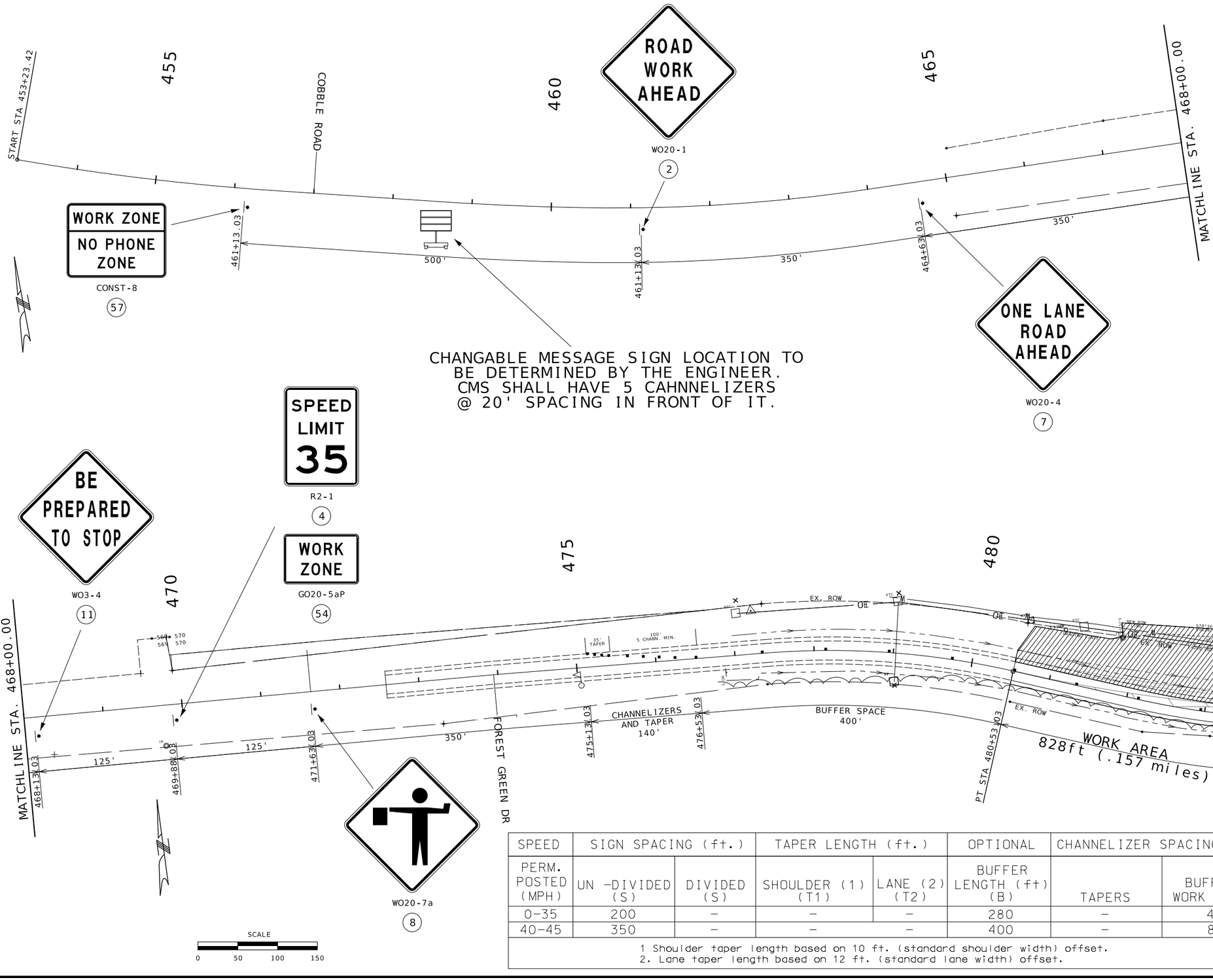
STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 12:57:52 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/25/2026
ROUTE: P
STATE: MO
DISTRICT: SL
SHEET NO.: 6
COUNTY: ST.CHARLES
JOB NO.: J6S3666
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)

COORDINATE POINTS SHEET



SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN-DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	–	–	–	280	–	40
40-45	350	–	–	–	400	–	80

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

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:48:19 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	7

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

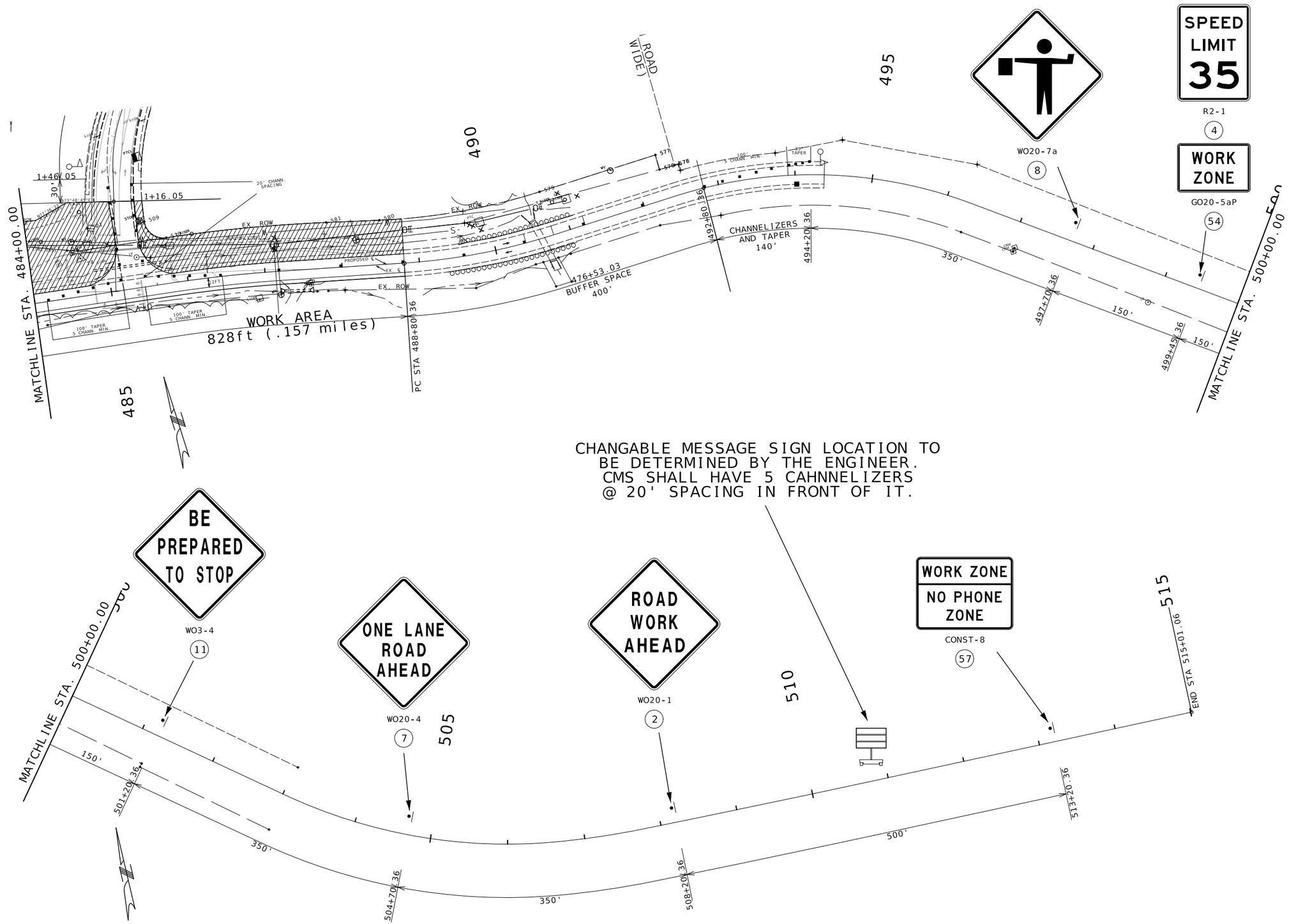
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

TC PLAN SHEET
(LANE CLOSURE WITH FLAGGER)
ROUTE P
SHEET 1 OF 3



STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:49:15 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	8

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

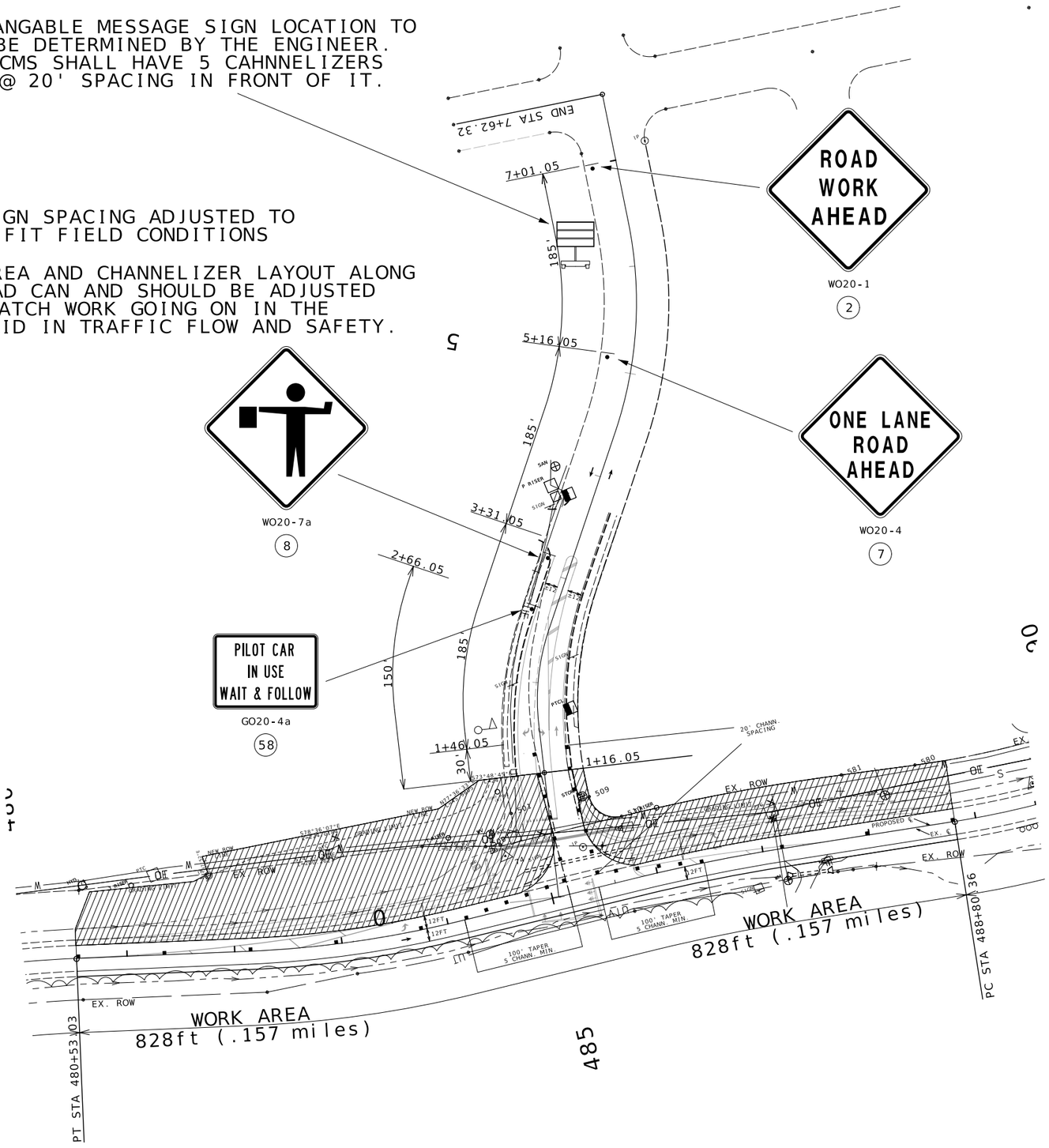
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TC PLAN SHEET
(LANE CLOSURE WITH FLAGGER)
ROUTE P
SHEET 2 OF 3

CHANGABLE MESSAGE SIGN LOCATION TO BE DETERMINED BY THE ENGINEER. CMS SHALL HAVE 5 CAHNNELIZERS @ 20' SPACING IN FRONT OF IT.

SIGN SPACING ADJUSTED TO FIT FIELD CONDITIONS

THE WORK AREA AND CHANNELIZER LAYOUT ALONG KOCH ROAD CAN AND SHOULD BE ADJUSTED TO MATCH WORK GOING ON IN THE AREA TO AID IN TRAFFIC FLOW AND SAFETY.



SCALE
0 50 100 150

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:49:56 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	9

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

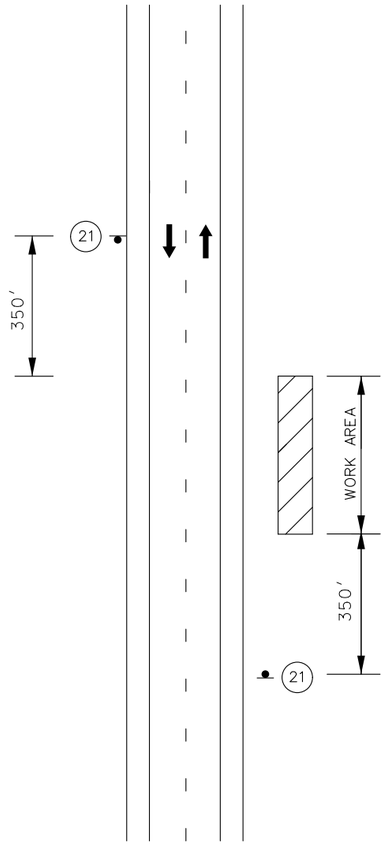
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TC PLAN SHEET
(LANE CLOSURE WITH FLAGGER)
KOCH ROAD
SHEET 3 OF 3





W021-5b

21

SHOULDER WORK
WORK BEYOND THE SHOULDER
DIVIDED AND UNDIVIDED

NOTES:

ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENISTY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

NOT TO SCALE

TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

WORK AREA

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER

09/28/2026 1:00:01 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	10

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

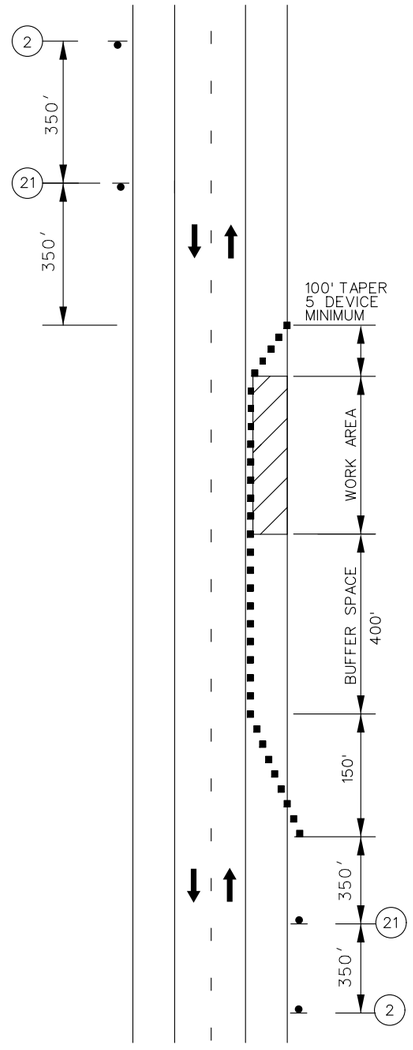
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
WORK BEYOND SHOULDER



WORK ON THE SHOULDER
ON DIVIDED AND UNDIVIDED
HIGHWAYS



W020-1

2



W021-5b

21

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA

NOT TO SCALE

NOTES:

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER
PE-2008019525
PROFESSIONAL ENGINEER

09/25/2025 11:11:45 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	11

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

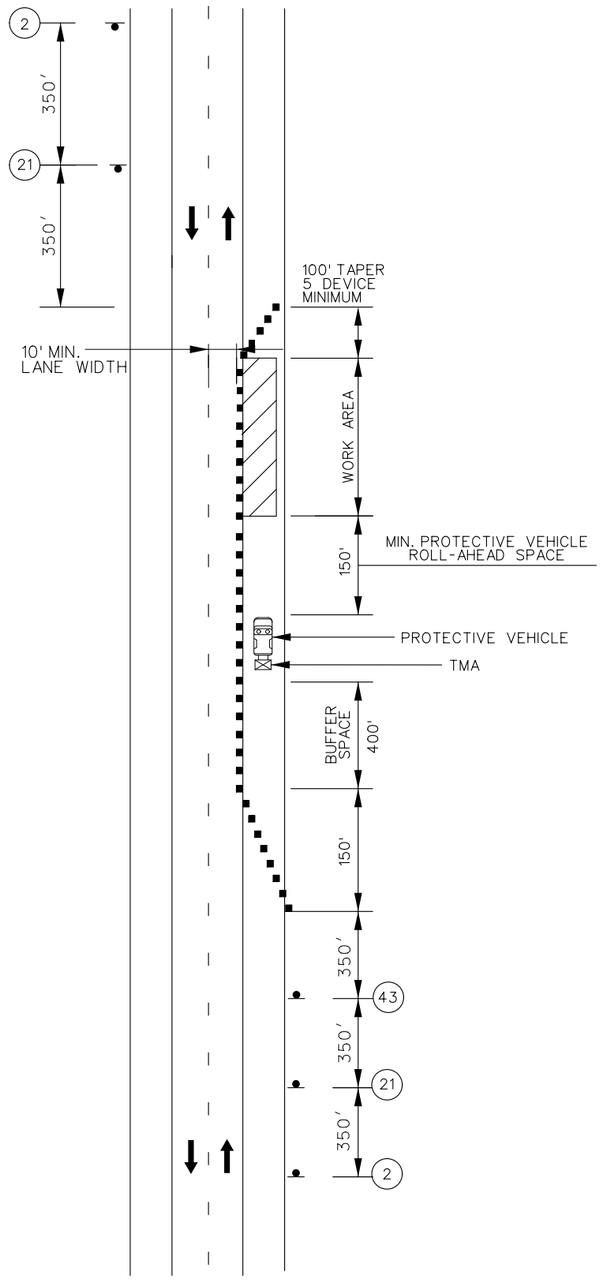
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTOL
WORK ON SHOULDER



SHOULDER WORK WITH
MINOR TRAVELWAY ENCROACHMENT
DIVIDED AND UNDIVIDED

NOT TO SCALE



W020-1

2

BRIDGE
OR
RAMP



W021-5b

21



W05-1

43

NOTES:

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY IN USE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN ROAD WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:52:15 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	12

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHOULDER WORK WITH ENCROACHMENT

(1) ROAD CLOSED SIGN SHALL BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE ROADWAY. ONE BARRICADE IS REQUIRED TO COMPLETELY CLOSE 8 FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA CLOSED.

(2) IF USED,THE ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY OR ROAD CLOSED TO THRU TRAFFIC SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE ENGINEER, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE. ADDITIONAL BARRICADES MAY BE USED AND OFFSET TO FACILITATE ACCESS FOR WORK VEHICLES, LOCAL TRAFFIC, ECT.

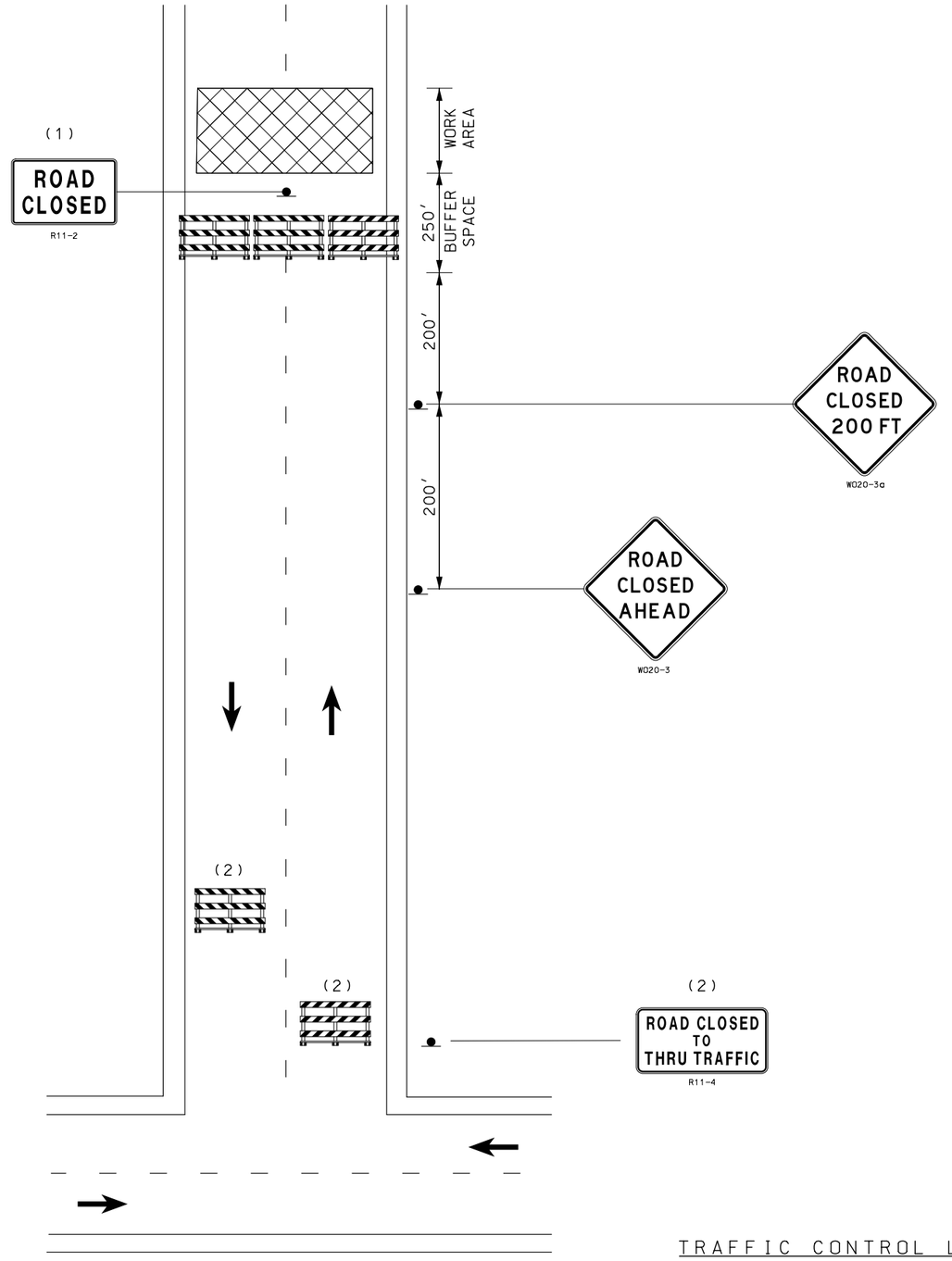
TRAFFIC CONTROL SHOULD BE REMOVED AS SOON AS PRACTICAL AFTER CONDITION FOR CLOSURE NO LONGER EXISTS.

ADDITIONAL WARNING SIGNS SHOULD BE ERECTED AT EACH INTERSECTION WITHIN THE WORK ZONE.

SUPPLEMENTAL WARNING METHODS MAY BE USED TO CALL ATTENTION TO THE WORK ZONE.

SEE STANDARD PLAN 616.10 FOR USE OF BARRICADES AND SIGNS.

FOR LONG-TERM CLOSURE, DETOUR SIGNING SHOULD BE CONSIDERED..



HIGHWAY CLOSURE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TYPE 3 BARRICADE
- WORK AREA

NOT TO SCALE

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:09:56 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

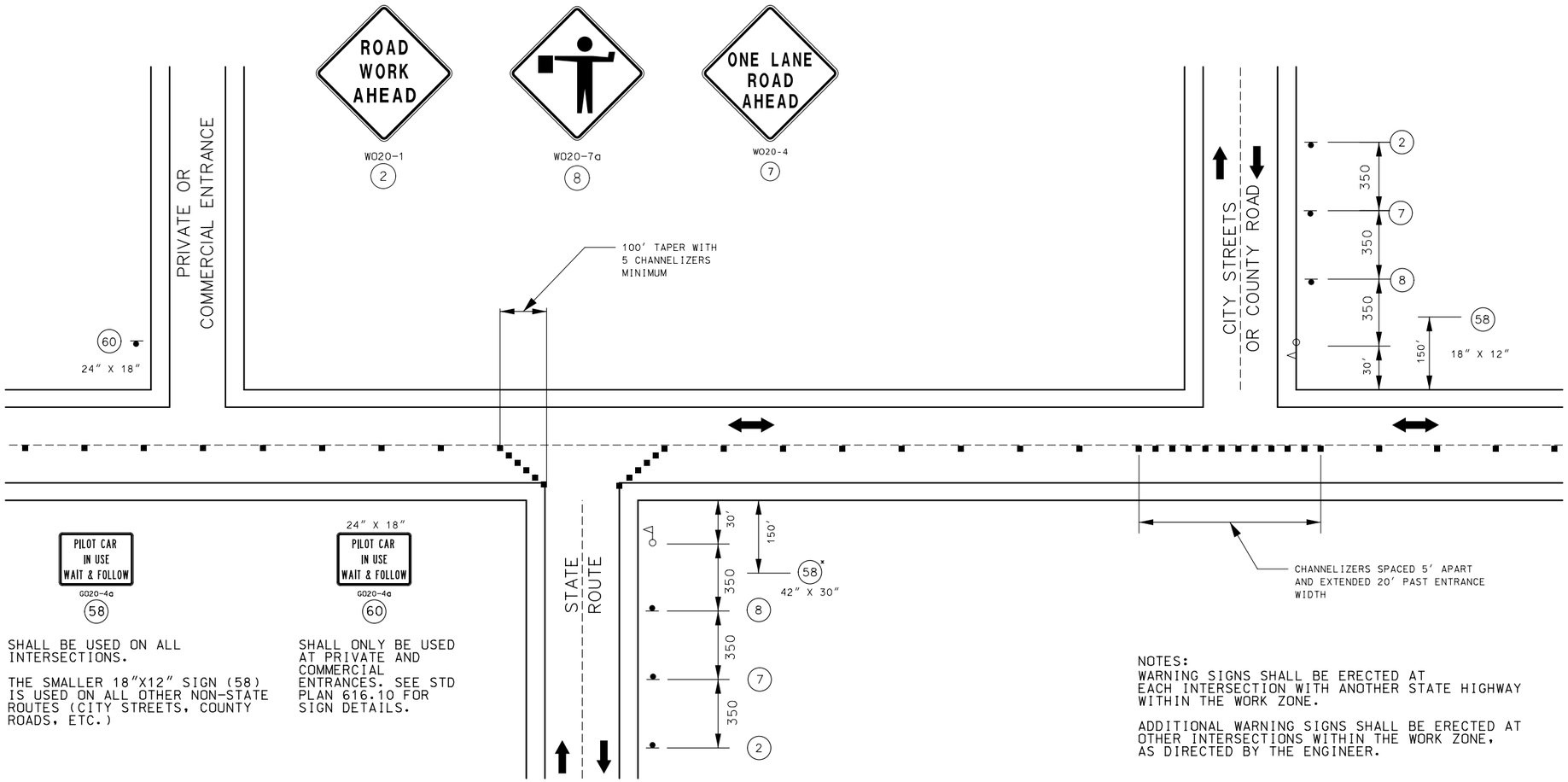
DATE PREPARED: 9/25/2026
ROUTE: P
STATE: MO
DISTRICT: SL
SHEET NO.: 13
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
ROAD CLOSURE



SHALL BE USED ON ALL INTERSECTIONS.

THE SMALLER 18″X12″ 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 FOR SIGN DETAILS.

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.

SIDE ROADS ENTERING WORK ZONES
(PAVEMENT TREATMENT FOR TWO-LANE ROADWAYS)

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- FLAGGER

NOT TO SCALE

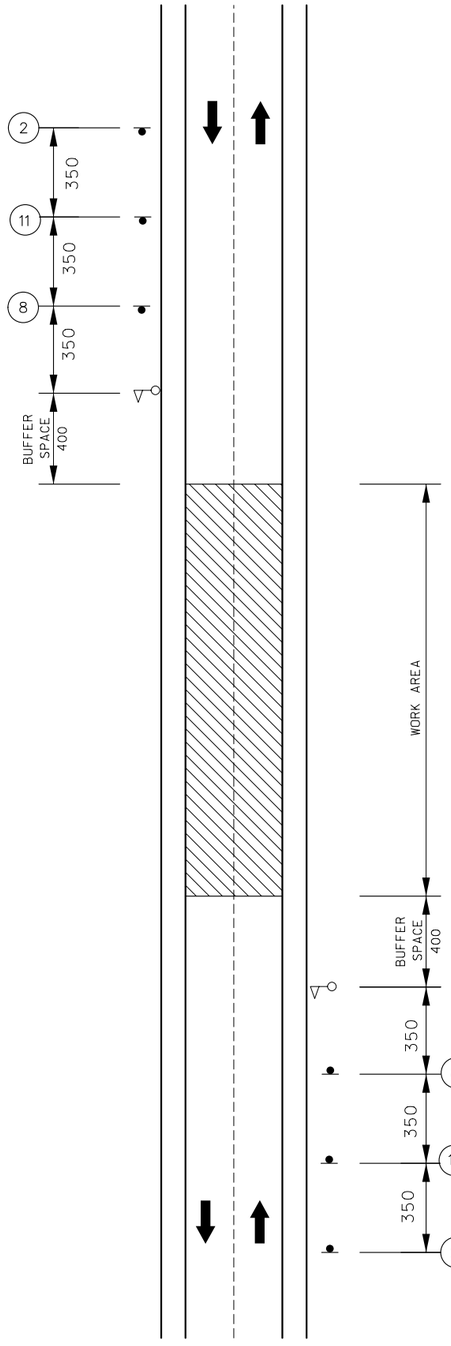
STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/30/2026 10:18:04 AM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/30/2026
ROUTE: P | STATE: MO
DISTRICT: SL | SHEET NO.: 14
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

TRAFFIC CONTROL SHEET
SIDE ROADS ENTERING WORK ZONES



TEMPORARY ROAD CLOSURE



WO20-1
(2)



WO20-7a
(8)



WO3-4
(11)

NOTES:

CONDITIONS REPRESENTED ARE A PLANNED CLOSURE NOT EXCEEDING 20 MINUTES DURING THE DAYTIME.

A CMS MAY BE USED IN ADDITION TO THIS SIGNING.

ROAD WORK AHEAD SIGN NOT NEEDED IF CLOSURE IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- FLAGGER

NOT TO SCALE

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER

09/25/2026 1:37:41 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	15

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

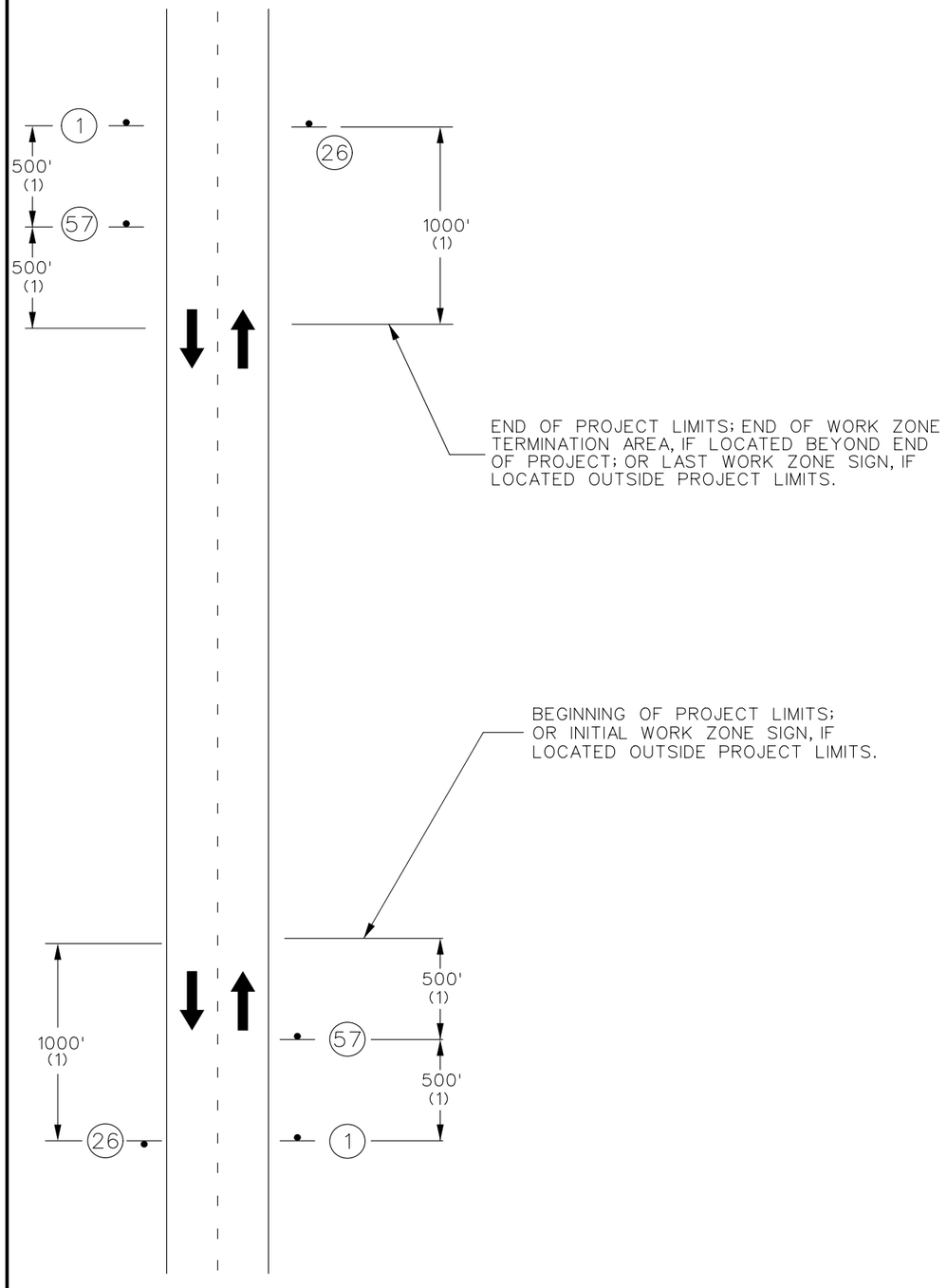
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
TEMPORARY ROAD CLOSURE



TWO-LANE UNDIVIDED

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

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

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

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. 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 RIGHTS 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.



GO20-1
(1)



GO20-2
(26)



SPECIAL (5)
(57)

BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL PROJECTS)

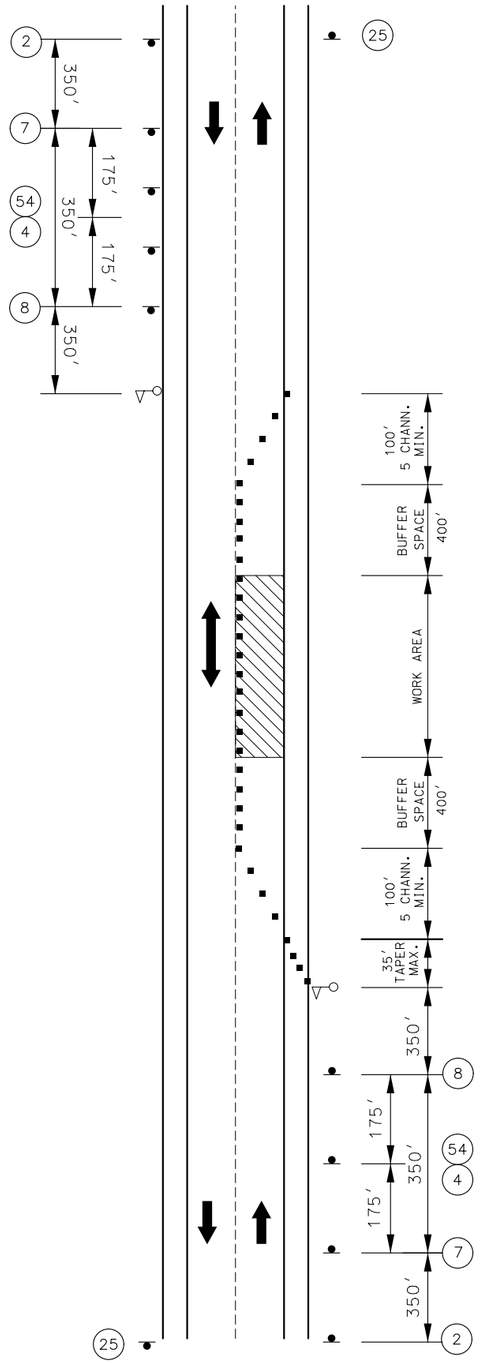
STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/30/2026 10:18:34 AM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/30/2026
ROUTE: P | STATE: MO
DISTRICT: SL | SHEET NO.: 16
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

TRAFFIC CONTOL
BEGIN AND END OF PROJECT



WORK ZONE SPEED LIMIT LOCATION
WITHIN A LAND CLOSURE ON
TWO-LANE ROAD USING FLAGGERS

NOT TO SCALE



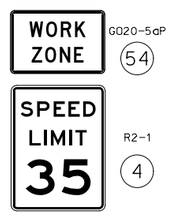
W020-1
(2)



W020-4
(7)



W020-7a
(8)





R2-1
(25)
(NORMAL SPEED)

NOTES:

THIS TYPICAL APPLICATION MAY BE APPROPRIATE FOR AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD), PORTABLE SIGNAL FLAGGING DEVICES (PSFD), AND TRAFFIC CONTROL SIGNALS.

(1) W03-5 (SPEED LIMIT XX AHEAD). THIS SIGN IS USED WHEN THE APPROVED SPEED REDUCTION FOR AN IMMEDIATE LOCATION IS GREATER THAN 10 MPH BELOW THE EXISTING OR POSTED SPEED LIMIT.

REDUCED SPEED LIMIT SIGNING SHALL BE REMOVED, COVERED, OR TURNED FROM TRAFFIC WHEN CONDITIONS REQUIRING THE REDUCED SPEED NO LONGER EXIST.

SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHOULD BE INSTALLED AT THE END OF THE REDUCED AREA PROVIDED NO OTHER REDUCTION IS IMPOSED WITHIN THE NEXT ONE-HALF MILE OR NO EXISTING SPEED LIMIT SIGN IS LOCATED WITHIN THE NEXT ONE-HALF MILE.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLAGGER

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:12:09 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	17

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

TRAFFIC CONTROL
LANE CLOSURE ON 2 LANE

KELLERMAN LIV TRUST
SITE/MAIL: 815 HWY P,
OFALLON MO, 63366

(NO ACQUISITION)

480

1 ALKFOUF NEZAR R*
ALKFOUF JACALYN Y
Site:765 HWY P
Mailing: 203 WHITEHIRST CT W,
ST CHARLES MO, 63304

PRIMARY RECIEVING WATERS
UNNAMED SMALL TRIBUTARIES
PERUQUE CREEK
MISSISSIPPI RIVER

* SEE CULVERT SHEET FOR *
FLOWLINE ELEVATIONS

PT STA 480+53.03

SILT FENCE
STA. 481+68

SILT FENCE
STA. 484+83

MATCH EXISTING DITCH ELEVATION

-6.9% DITCH SLOPE (V-BOTTOM DITCH)

NEW ROW BEGIN
STA. 481+73.35

RC STA 482+12.15

PT STA 484+09.54

NEW ROW END
STA. 484+83.55

SILT FENCE
STA. 484+17

KOCH ROAD BEGIN
STA. 0+00
ROUTE P CL
STA. 485+05.88

SILT FENCE
STA. 485+80

PC STA 485+81.24

PC STA 1+60.80

POT STA 0+80.48

PROJECT LIMIT
STA 1+16.05

1-1 FES

1-2 FES

ROUTE P

EX. ROW

NEW ROW LINE

GRADING LIMIT

PROPOSED ℄

EX. ℄

-1.45% DITCH SLOPE (FLAT-BOTTOM DITCH)

MATCH EXISTING DITCH ELEVATION

PT STA 487+20.08

PC STA 488+80.36

KOCH ROAD

MARISSA ENTERPRISES INC
Site: HWY P
Mailing: 2001 ALANA LN,
OFALLON MO, 63366

(NO ACQUISITION)

506 571 502 503 508 572 573

TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- CURB INLET CHECK
- ROCK DITCH CHECK
- SEDIMENT TRAP
- ENERGY DISSIPATOR
- TEMPORARY BERM TYPE B
- TEMPORARY BERM TYPE C
- SILT FENCE
- TEMPORARY SEDIMENT BASIN
- PERMANENT SEDIMENT BASIN

JORDAN JOSHUA*
JORDAN HEATHER
SITE/MAIL: 3 OAK RIDGE CT,
OFALLON MO, 63366

(NO ACQUISITION)

SOMMERKAMP FAM RESID TRUST
SITE/MAILING: 5 OAK RIDGE CT
OFALLON MO, 63366-1451

(NO ACQUISITION)

485

DRIER RUSSELL W*
ALVAREZ-DRIER JENNIFER M REVOC LIV TRUST
SITE/MAIL: 730 HWY P
OFALLON MO, 63366-1008

(NO ACQUISITION)

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER

MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	18

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

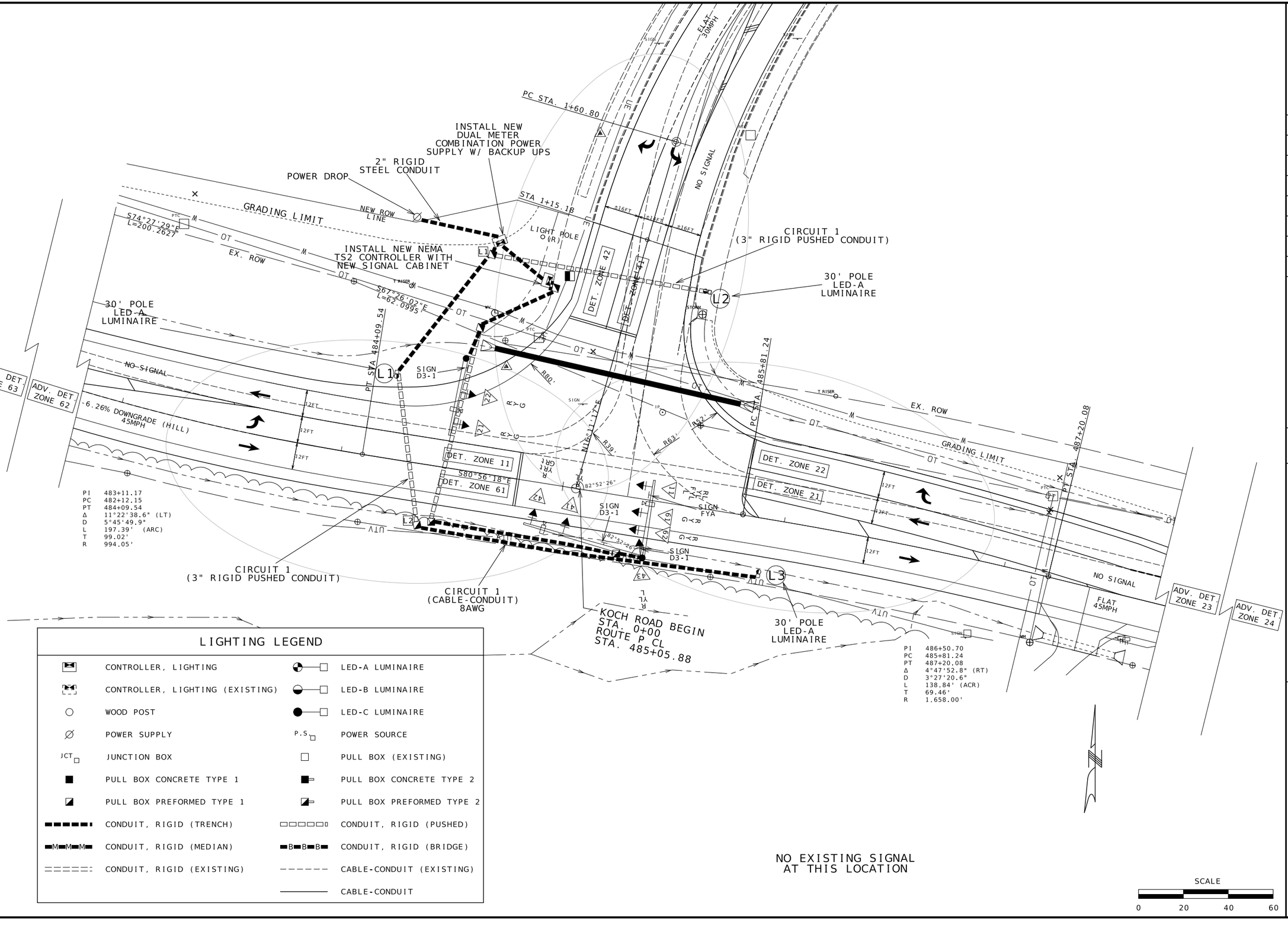
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL SHEET



LIGHTING LEGEND

	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	WOOD POST		LED-C LUMINAIRE
	POWER SUPPLY	P.S	POWER SOURCE
JCT	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
M	CONDUIT, RIGID (MEDIAN)	B	CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 2:58:06 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/29/2026
ROUTE: P
STATE: MO
DISTRICT: SL
SHEET NO.: 19
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

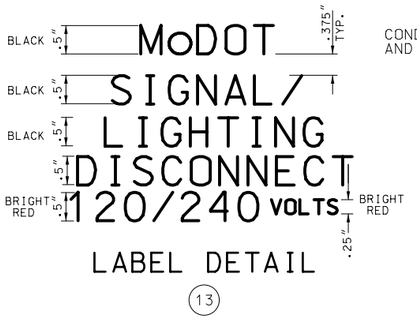
DATE	DESCRIPTION

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

LIGHTING SHEET
RT P/KOCH INTERSECTION

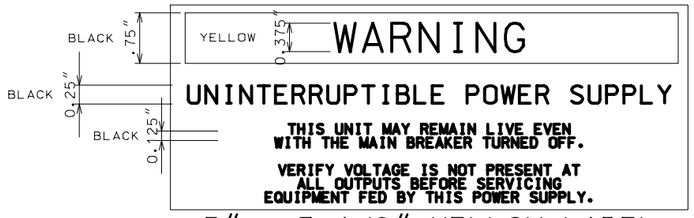
GENERAL NOTES:

1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF ALL ITEMS SHALL BE APPROVED BY THE ENGINEER.
3. SCHEMATIC DIAGRAM SHALL BE MOUNTED ON INSIDE OF CABINET DOOR.
4. THE UTILITY SHALL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO DATE SERVICE WILL BE REQUIRED.
5. ALL CABINET OPENINGS SHALL BE COVERED AND SEALED WITH LIFETIME SILICONE CAULK.
6. ALL MATERIALS REQUIRED EXCLUDING REFERENCE ITEMS AS SHOWN ON THE DRAWING SHALL BE INCLUDED IN PRICE BID FOR 'PAD MOUNTED POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY.' CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN THE BID PRICE.
7. REFER TO PLAN SHEET DETAIL TO DETERMINE IF A UTILITY POLE OR PEDESTAL WILL BE REQUIRED.
8. CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK, AND SIDES.
9. SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.



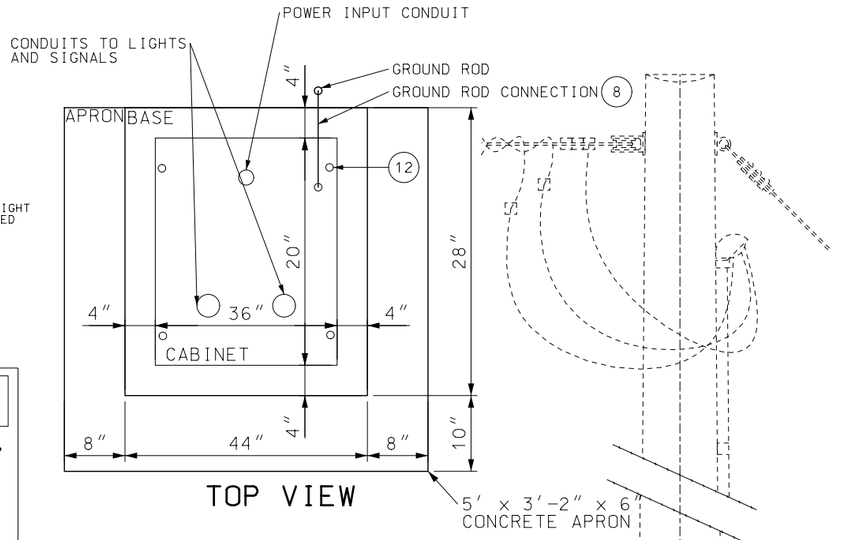
LABEL DETAIL

(13)



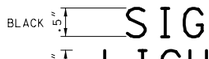
5" x 3 1/2" YELLOW LABEL

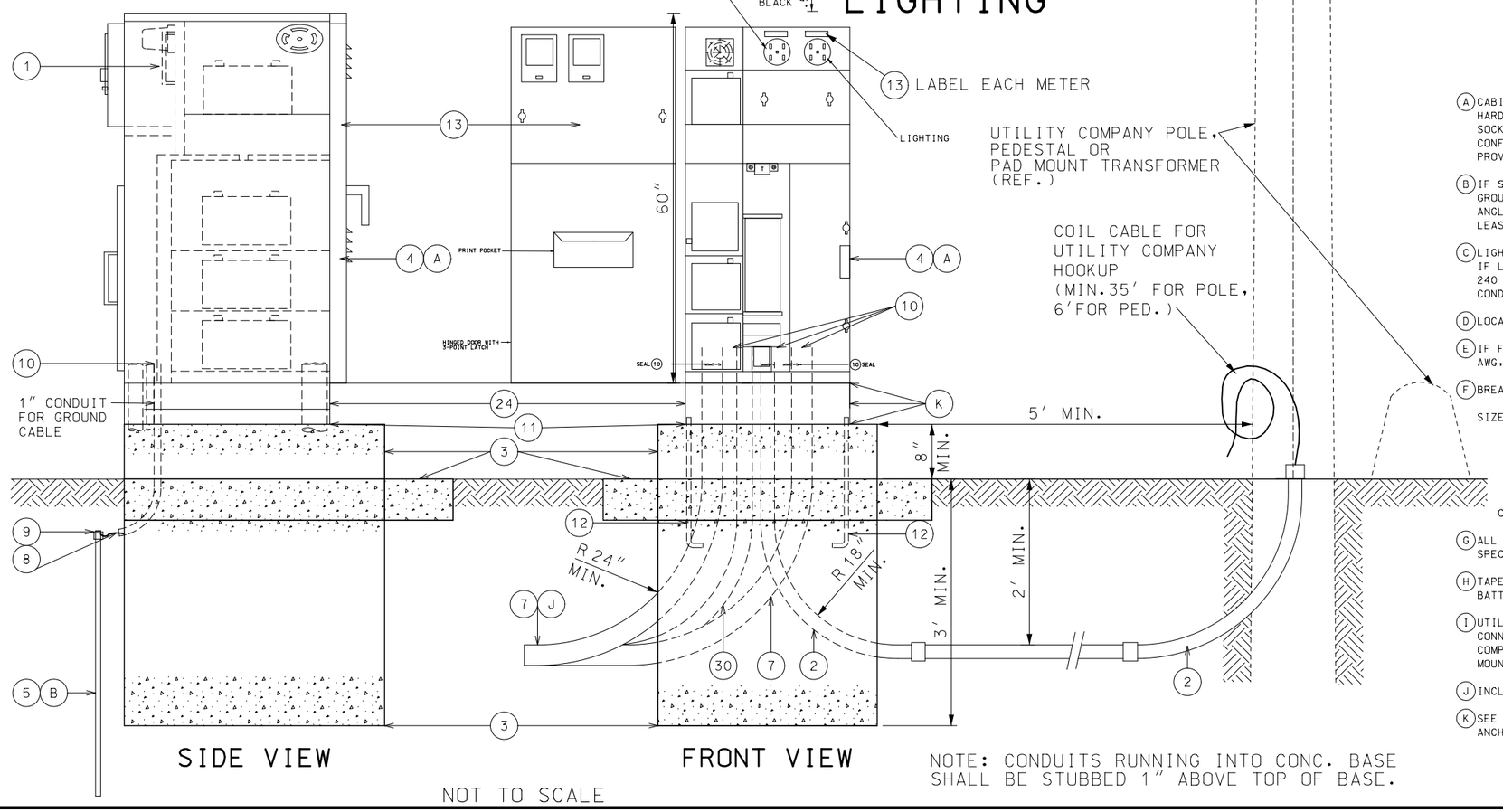
(UNDER SIGNAL METER ON LOWER DOOR)



TOP VIEW

LABEL DETAIL





SIDE VIEW

FRONT VIEW

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

NOT TO SCALE

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
23	#2 AWG MIN., 600 V., POWER CABLE *
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 ¼" CONDUIT OUT TO SIGNAL CABINET (CAT 6E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

NOTES

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(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/26/2026 1:16:30 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	20

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

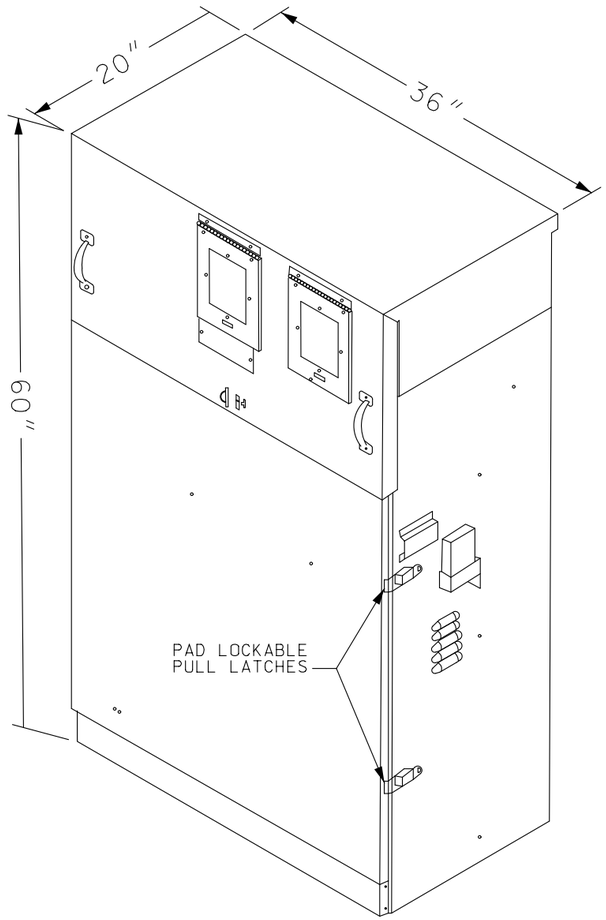
BRIDGE NO.

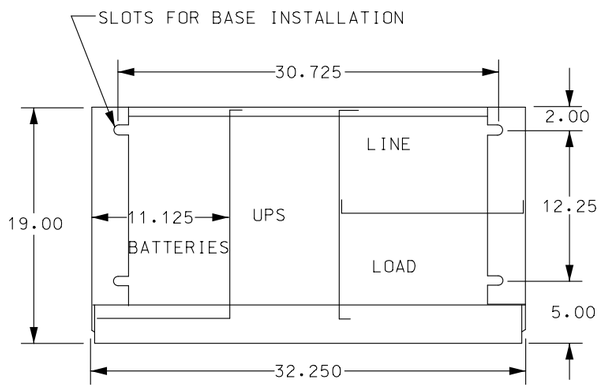
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEETS
PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER W/ UNINTERRUPTIBLE POWER SUPPLY
SHEET 1 OF 3

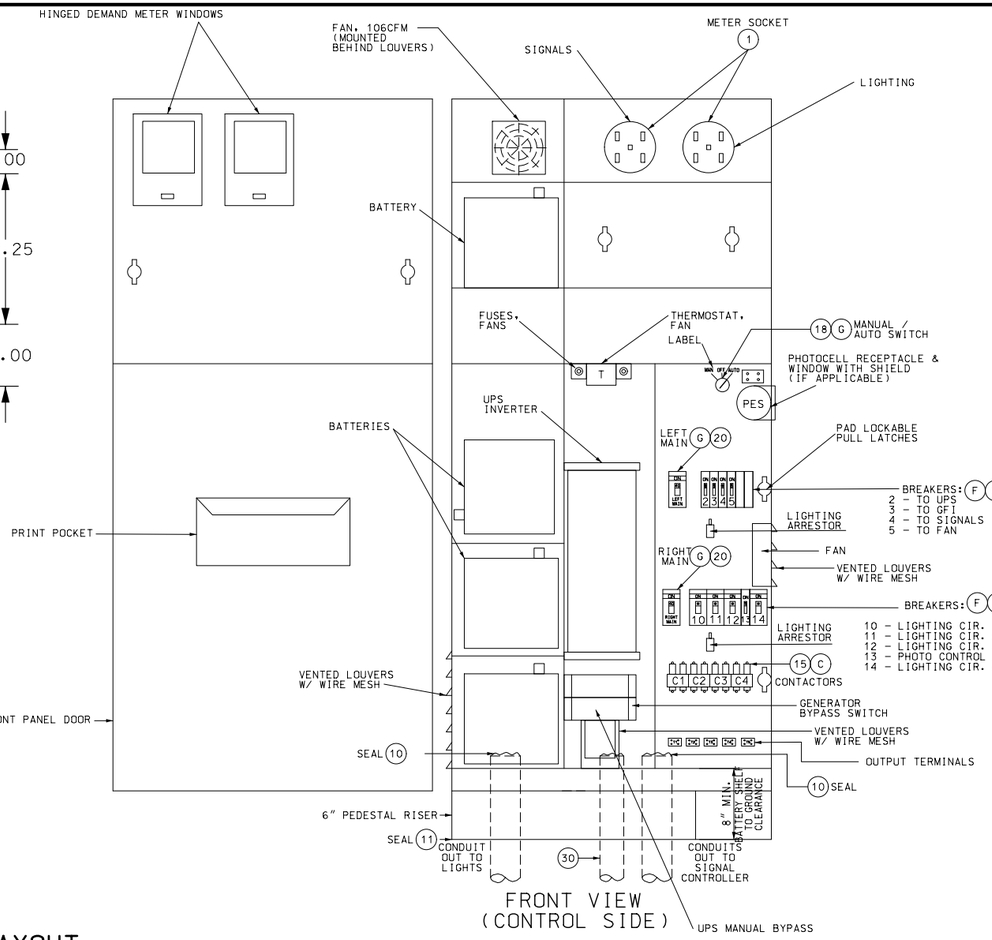




PEDESTAL PLAN VIEW
MOUNTING SLOT DETAIL

DISCLAIMER
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NOTE: WHERE SPACE PROVIDES, UPS SHALL HAVE ADDITIONAL LABELS DENOTING 'LIGHTING' CONTROLS



FRONT VIEW
(CONTROL SIDE)

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

EQUIPMENT LAYOUT
NOT TO SCALE

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
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*	SEE PLANS FOR SIZE

NOTES

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(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

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SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
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CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

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STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:17:00 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/25/2026
ROUTE: P | STATE: MO
DISTRICT: SL | SHEET NO.: 21
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

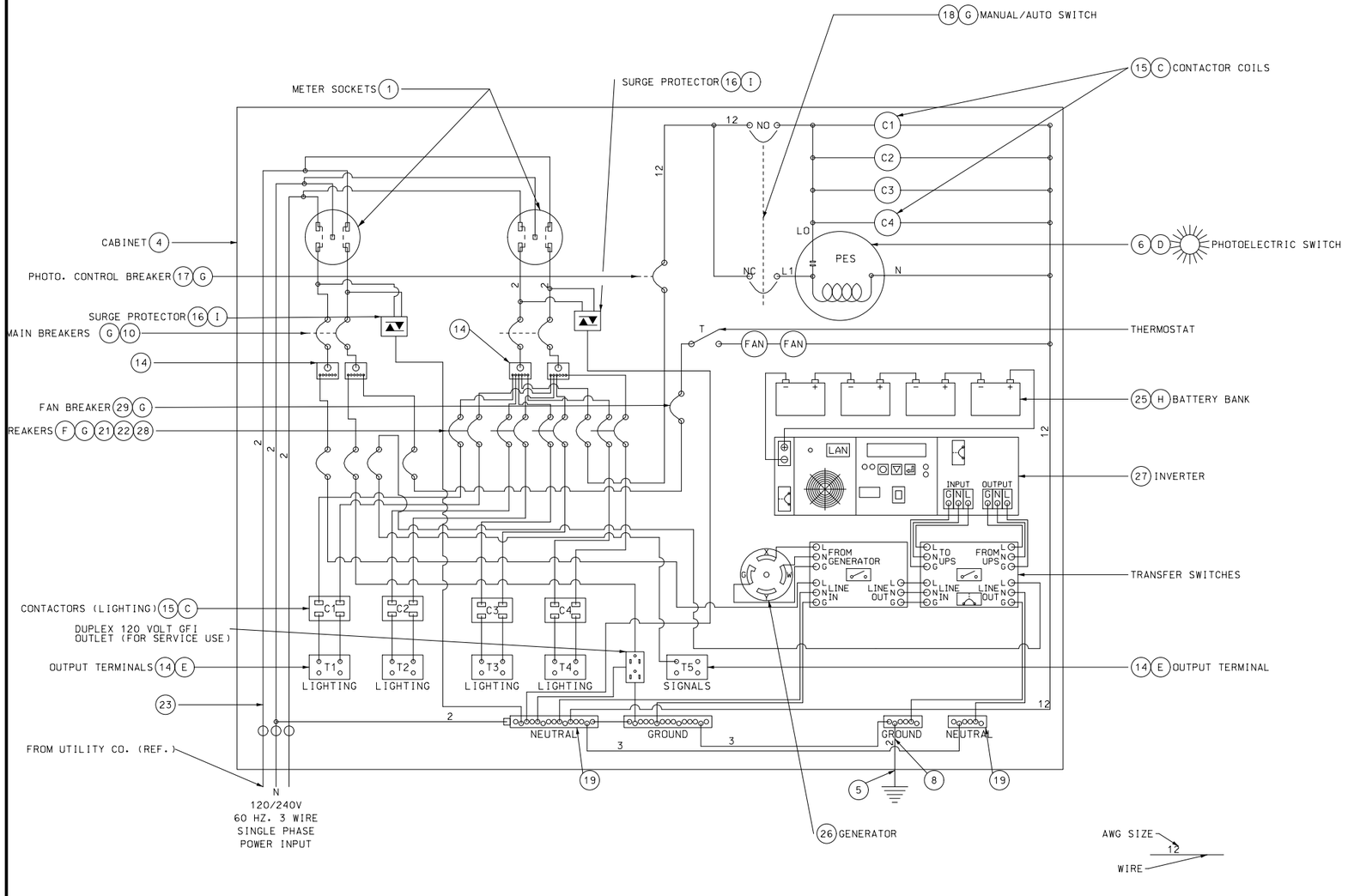
DESCRIPTION | DATE

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

SPECIAL SHEETS
PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER W/ UNINTERRUPTIBLE POWER SUPPLY
SHEET 2 OF 3

DISCLAIMER

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WIRING DIAGRAM

LIST OF MATERIALS	
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3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
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STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
9/25/2026 1:11:49 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	22

COUNTY
ST. CHARLES

JOB NO.
J6S3666

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)

SPECIAL SHEETS
PAD MOUNTED 120V/240V POWER
SUPPLY & LIGHTING CONTROLLER
W/ UNINTERRUPTIBLE POWER SUPPLY
SHEET 3 OF 3

ALL SIGNAL INDICATIONS SHALL HAVE
RETROREFLECTIVE BACKPLATES

ADVANCE DETECTION SHALL BE LOCATED
ON RT P MAINLINE AND SET 330 FEET AND 528 FEET
BACK FROM THE STOP BAR IN EACH DIRECTION.

	PHASE Ø1	PHASE Ø2	PHASE Ø3	PHASE Ø4
RING 1			NOT USED	
RING 2	NOT USED		NOT USED	NOT USED
	PHASE Ø5	PHASE Ø6	PHASE Ø7	PHASE Ø8

BARRIER

PC STA. 1+60.80
INSTALL NEW DUAL METER COMBINATION POWER SUPPLY W/ BACKUP UPS
POWER DROP
STA 1+15.18
GRADING LIMIT
NEW ROW LINE
EX. ROW
S74°27'29"E L=200.2627
INSTALL NEW NEMA TS2 CONTROLLER WITH NEW SIGNAL CABINET
LIGHT POLE O(R)
DOUBLE 3" CONDUIT
S67°26'02"E L=62.0995
PT STA 484+09.54
SIGN D3-1
NO SIGNAL
FLAT 30MPH
DET. ZONE 42
DET. ZONE 41
DET. ZONE 11
DET. ZONE 61
DET. ZONE 22
DET. ZONE 21
ADV. DET. ZONE 63
ADV. DET. ZONE 62
ADV. DET. ZONE 23
ADV. DET. ZONE 24
6.26% DOWNGRADE (HILL)
45MPH
RT P
12FT
R80'
R39'
R63'
R52'
S80°56'18"E
N16°31'17"E
S82°52'26"W
PC STA. 485+81.24
PT STA. 487+20.08
KOCH ROAD BEGIN
STA. 0+00
ROUTE P CL
STA. 485+05.88
FLAT 45MPH
NO SIGNAL

PI 483+11.17
PC 482+12.15
PT 484+09.54
Δ 11°22'38.6" (LT)
D 5°45'49.9"
L 197.39' (ARC)
T 99.02'
R 994.05'

PI 486+50.70
PC 485+81.24
PT 487+20.08
Δ 4°47'52.8" (RT)
D 3°27'20.6"
L 138.84' (ACR)
T 69.46'
R 1,658.00'

NO EXISTING SIGNAL
AT THIS LOCATION

SCALE
0 20 40 60

TRAFFIC SIGNALS LEGEND

- CONTROLLER
- CONTROLLER (EXISTING)
- JUNCTION BOX
- POWER SUPPLY
- WOOD POST
- SIGNAL HEAD (OPT LIM CONV)
- SIGNAL HEAD (OPT LIM)
- SIGNAL HEAD (PEDESTRIAN)
- SIGNAL HEAD (STANDARD)
- CCTV CAMERA
- VIDEO DETECTOR
- PUSH BUTTON DETECTOR
- PREFORMED PULL BOX TYPE 1
- PREFORMED PULL BOX TYPE 2
- CONCRETE PULL BOX TYPE 1
- CONCRETE PULL BOX TYPE 2
- ITS PULL BOX TYPE 2
- ITS PULL BOX TYPE 5
- 6 X 6 LOOP DETECTOR
- 6 X 15 LOOP DETECTOR
- 30 X 6 LOOP DETECTOR
- CONDUIT MEDIAN
- CONDUIT PUSHED
- CONDUIT BRIDGE
- CONDUIT EXISTING
- CONDUIT TRENCHED
- SPAN WIRE
- MAST ARM - TYPE A BASE
- MAST ARM - TYPE C BASE
- MAST ARM - TYPE F BASE

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 3:00:25 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED: 9/29/2026
ROUTE: P
STATE: MO
DISTRICT: SL
SHEET NO.: 23
COUNTY: ST. CHARLES
JOB NO.: J6S3666
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)

SIGNAL SHEET
INTERSECTION OF RT P AND KOCH ROAD

EFFECTIVE: 07-01-2018

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | BASE *** CONCRETE (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL SIGNAL SPACING B | TYPE C & CL SIGNAL SPACING C | TYPE C & CL SIGNAL SPACING D | TYPE C & CL SIGNAL SPACING D' | TYPE C & CL SIGN SPACING B | TYPE C & CL SIGN SPACING C | TYPE C & CL SIGN SPACING D | TYPE C & CL SIGN SPACING D' | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL ARM LENGTH E | TYPE B & BL LEFT ARM E SIGNAL SPACING F | TYPE B & BL LEFT ARM E SIGNAL SPACING G | TYPE B & BL LEFT ARM E SIGNAL SPACING H | TYPE B & BL LEFT ARM E SIGNAL SPACING H' | TYPE B & BL LEFT ARM E SIGN SPACING F | TYPE B & BL LEFT ARM E SIGN SPACING G | TYPE B & BL LEFT ARM E SIGN SPACING H | TYPE B & BL LEFT ARM E SIGN SPACING H' | TYPE B & BL RIGHT ARM K SIGNAL SPACING L | TYPE B & BL RIGHT ARM K SIGNAL SPACING M | TYPE B & BL RIGHT ARM K SIGNAL SPACING N | TYPE B & BL RIGHT ARM K SIGNAL SPACING N' | TYPE B & BL RIGHT ARM K SIGN SPACING L | TYPE B & BL RIGHT ARM K SIGN SPACING M | TYPE B & BL RIGHT ARM K SIGN SPACING N | TYPE B & BL RIGHT ARM K SIGN SPACING N' | TYPE B & BL INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | LUMINAIRE BRACKET ARM* 6 FT. | LUMINAIRE BRACKET ARM* 8 FT. | LUMINAIRE BRACKET ARM* 10 FT. | LUMINAIRE BRACKET ARM* 12 FT. | LUMINAIRE BRACKET ARM* 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
SOURCE	PS	39		(43)													INCLUDED IN COST OF PS
PS	CA	28			36												2x8'
CA	1	5			16												
1	2	54			52												
2	①	6			9												
2	4	77							75								
4	3	84			82												
3	①	12			15												
SUBTOTALS					210				75								
TOTALS					210				75								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1c #2	1c #8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
SOURCE	PS	39	(246)													3x82'
PS	CA	28		132												3x44'
CA	22	65					122									
CA	21	65					133									
CA	43	232					285									
CA	42	232					337									
CA	41	232					322									
CA	62	232					297									
CA	61	232					305									
CA	1	232					317									
SUBTOTALS				132			2229									
TOTALS				140			2250									

INTERSECTION ROUTE P @ KOCH ROAD

D-37B

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

ROUTE P | STATE MO
DISTRICT SL | SHEET NO. 25
COUNTY ST.CHARLES
JOB NO. J6S3666
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)

SIGNAL SHEET

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY	CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
				CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DUAL METER COMBINATION PAD MOUNTED POWER SUPPLY & LIGHTING CONTROLLER (SEE SPECIAL DRAWING)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
						SIGNALS	LIGHTING				
ROUTE P	484+55	-103.5	1	15 Amps	15 Amps	100 Amps	100 Amps		100 Amps	CI. Ft.	AMEREN
				15 Amps	Amps	Amps	Amps		Amps	CI. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *						TIME * CLOCK	TS2-TYPE 1 NEMA CABINET			170 CABINET TYPE *		170 SOFTWARE *	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE P	484+78	-89.5			1 (3)												**1					

**USES 1 - ATC TRAFFIC SIGNAL CONTROLLER

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EBL GREEN RT P	WB THRU RT P	SBL GREEN KOCH ROAD	N/U	N/U	EB THRU RT P	N/U	N/U	OLA EBL FYA	N/U	N/U	N/U	N/U	N/U	N/U	N/U

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
2	D3-1 ***	VAR. X 18	7.5 +13.6	21.1	3
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
1	R10-27A	30 X 36	7.5	7.5	2
			SUBTOTAL	28.6	5
			TOTAL	29	5

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON	INDUCTION LOOP (2)			VIDEO
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
11	EB LEFT					X
61, 62, 62	EB THRU					
41, 42	SB					X
21, 21, 23, 24	WB					X
	TOTAL					X

'X' INDICATES APPROACH TO REQUIRE VIDEO DETECTION AS PART OF DETECTION SYSTEM FOR INTERSECTION

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) FOR INFORMATION ONLY. DETECTION WILL BE PAID FOR UNDER 'SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM' SEE JSP PAID FOR AS PER 1 PER INTERSECTION

ROUTE P @ KOCH ROAD

INTERSECTION

D-37C

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525
PROFESSIONAL ENGINEER
10/02/2026 3:03:40 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
10/2/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	26

COUNTY
ST.CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

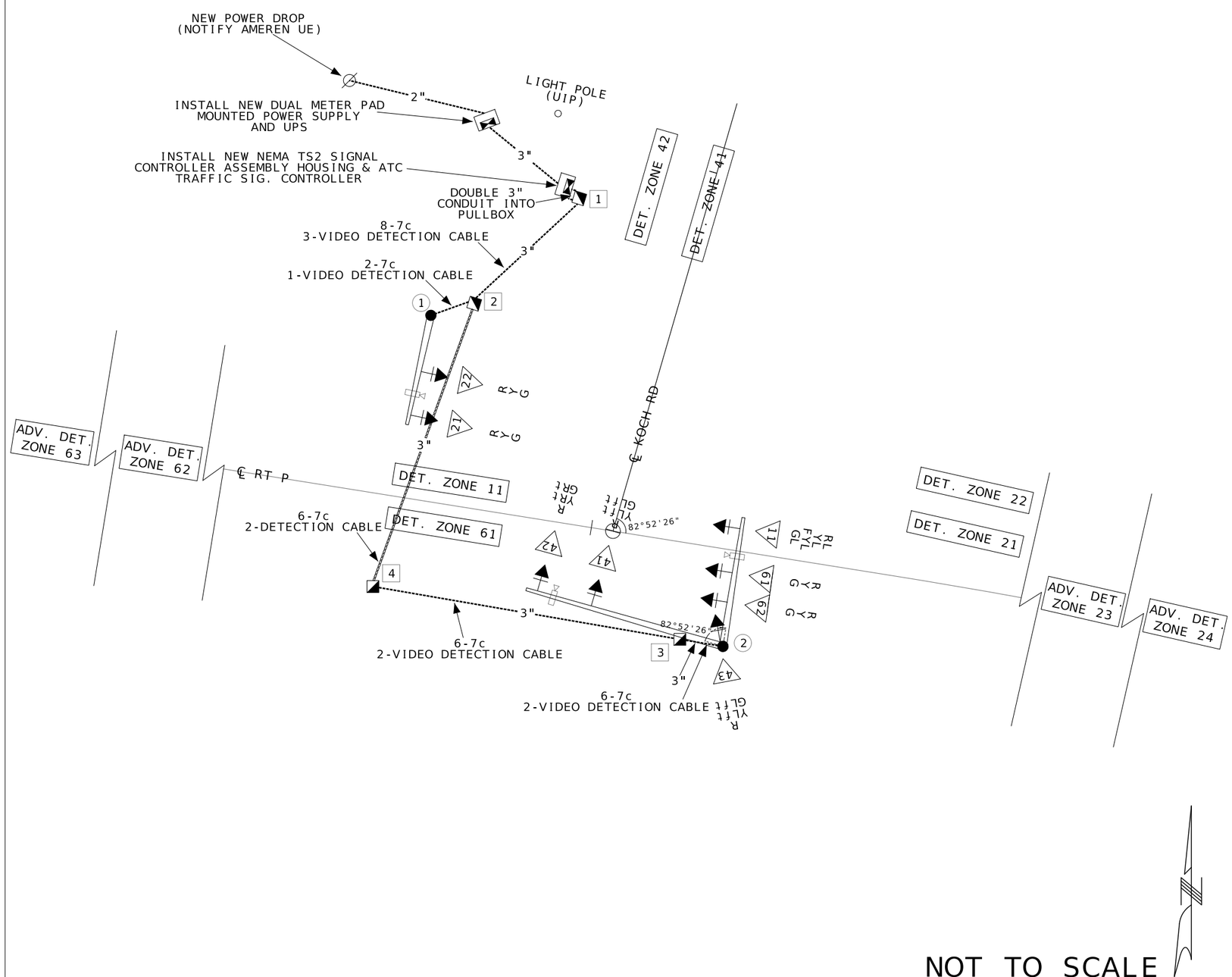
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL SHEET

EFFECTIVE: 12-01-2017

WIRING DIAGRAM



NOT TO SCALE

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTION

RTE P @ KOCH ROAD

INTERSECTION

D-37D

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:24:14 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	27

COUNTY
ST.CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

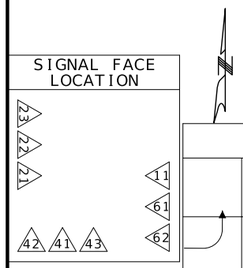
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL SHEET

EFFECTIVE: 12-01-2017

SIGNAL FACE LOCATION



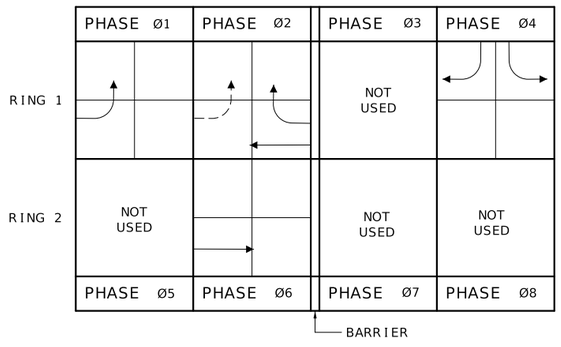
TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE Ø1	PHASE Ø2	PHASE Ø3	PHASE Ø4	PHASE Ø5	PHASE Ø6	PHASE Ø7	PHASE Ø8	PED Ø OVERLAP A	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP
			NOT USED		NOT USED		NOT USED	NOT USED				
FACE NUMBERS	11	21 22		41 42 43		61 62			11			
SIGNAL INDICATIONS R	RL	R R		R R R		R R			RL			
SIGNAL INDICATIONS Y	YL	Y Y		YL YR YL		Y Y			YL			
SIGNAL INDICATIONS FYA									FYL			
SIGNAL INDICATIONS G	L	G G		L GR L		G G						
DETECTOR ASSIGNMENTS	11	21 22 23 24		41 42		61 63 62						
DETECTOR ASSIGNMENTS (PEDS. ONLY)												
OVERLAP PARENT PHASES									2			

FACE NUMBERS

SIGNAL INDICATIONS R / Y / FYA / G

DETECTOR ASSIGNMENTS



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
LY -YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ROUTE P	FR
KOCH ROAD	FR

CONTROLLER TYPE	NEMA 8Ø

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE P
WITH
KOCH ROAD

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:25:05 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	28

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

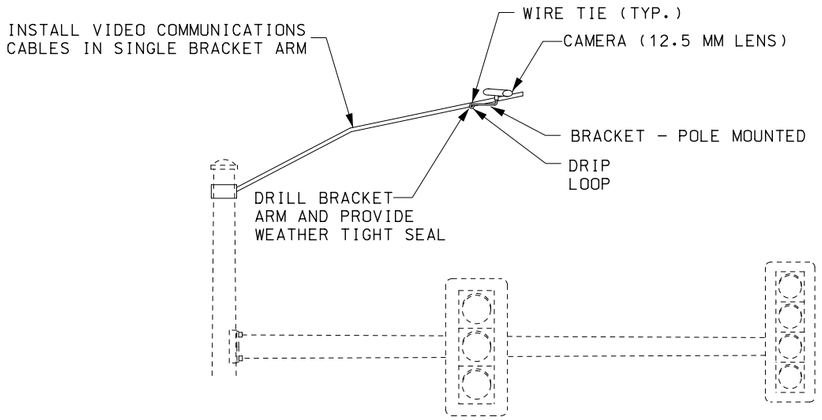
BRIDGE NO.

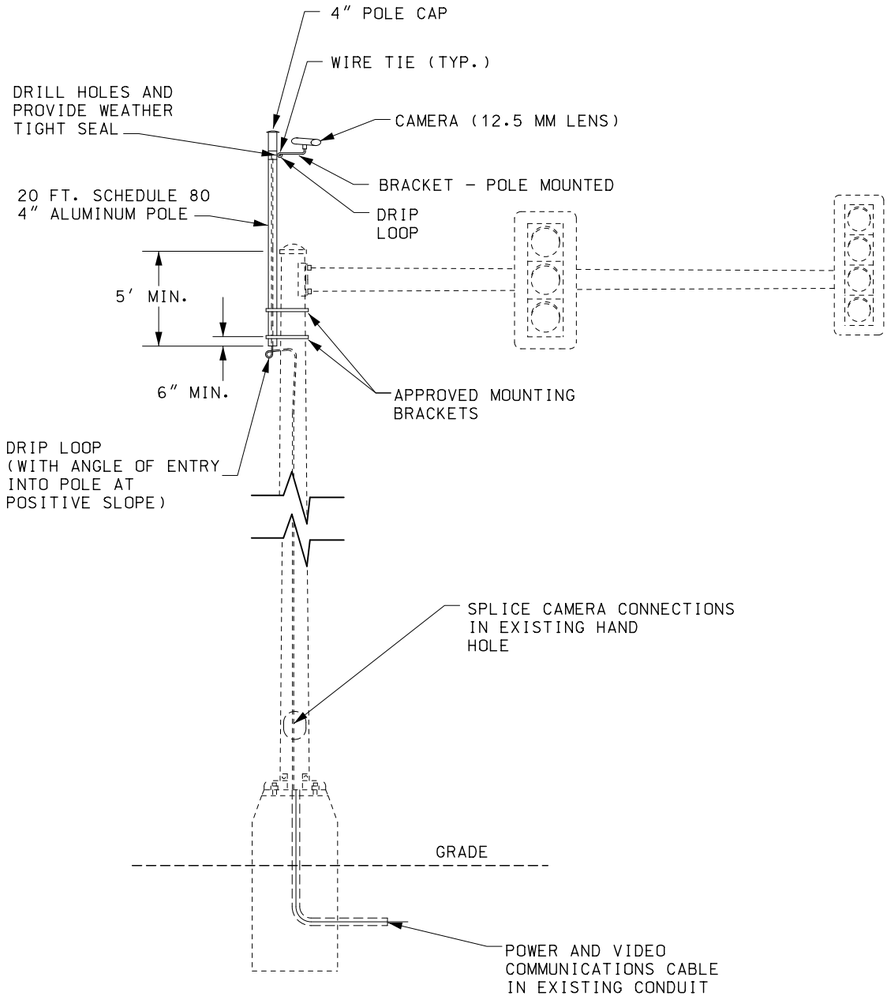
DESCRIPTION

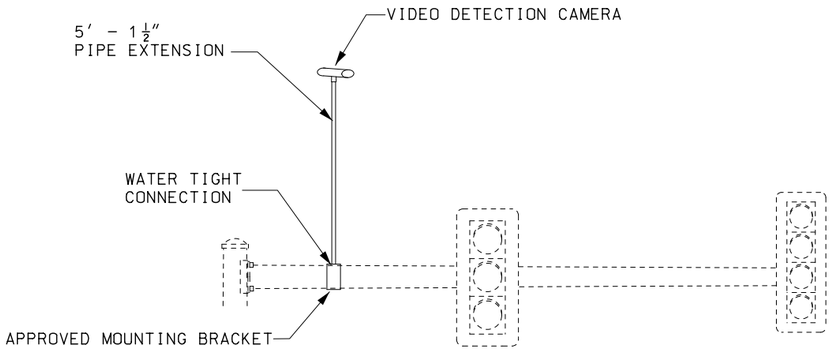
DATE

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

SIGNAL SHEET







CAMERAS SHALL BE AS CLOSE AS POSSIBLE TO CENTER OF SIGNALIZED APPROACH

THESE DETAILS ONLY IF VIDEO DETECTION IS USED (FOR INFORMATION ONLY)

GENERAL NOTES:

PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT

CAMERAS SHALL BE AT MINIMUM 30' HEIGHT ABOVE GRADE

NOT TO SCALE

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:25:50 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	29

COUNTY
ST. CHARLES

JOB NO.
J6S3666

CONTRACT ID.

PROJECT NO.

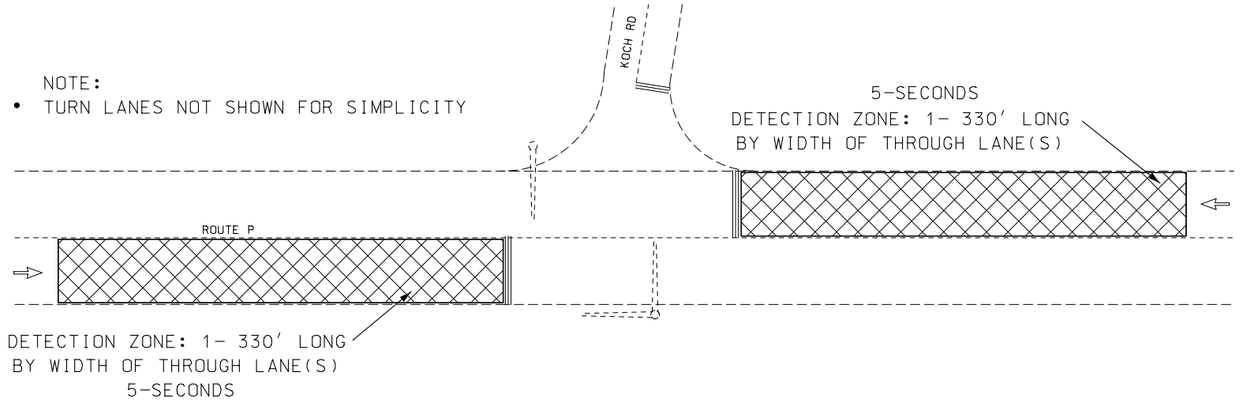
BRIDGE NO.

DESCRIPTION	DATE

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

SIGNAL SHEET
VIDEO DETECTION
DETAIL SHEET

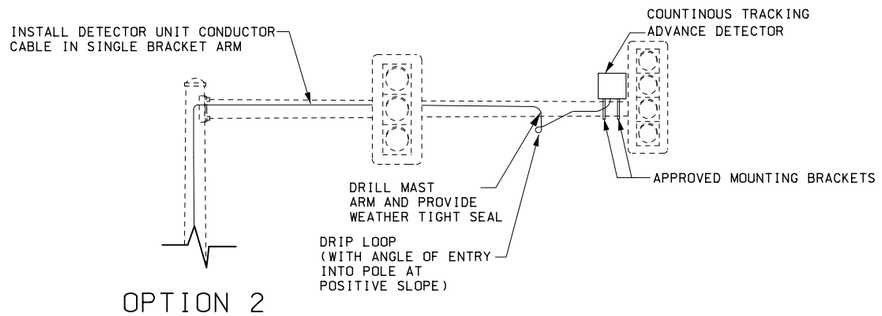
NOTE:
- TURN LANES NOT SHOWN FOR SIMPLICITY



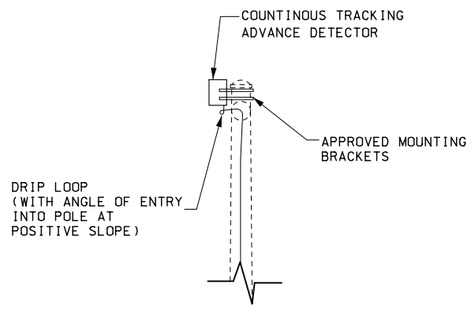
TYPICAL INTERSECTION LOCATION

ST.CHARLES COUNTY
ROUTE P @ KOCH ROAD

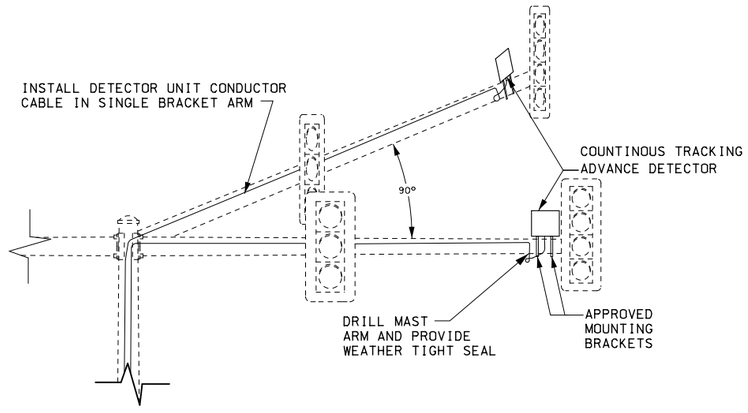
TWO DIRECTION DETECTION



OPTION 2
TYPE C MAST ARM MOUNT

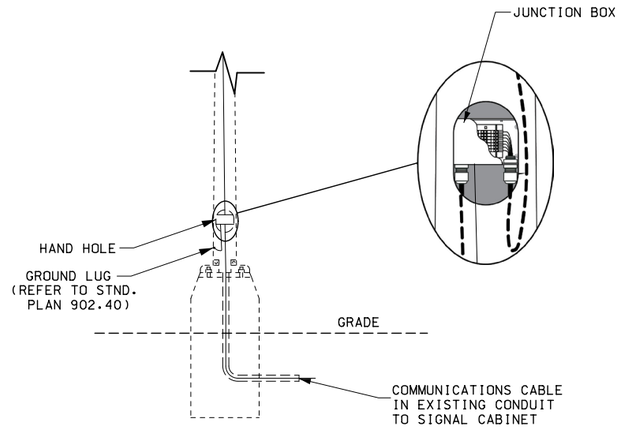


OPTION 3
SINGLE UPRIGHT MOUNT

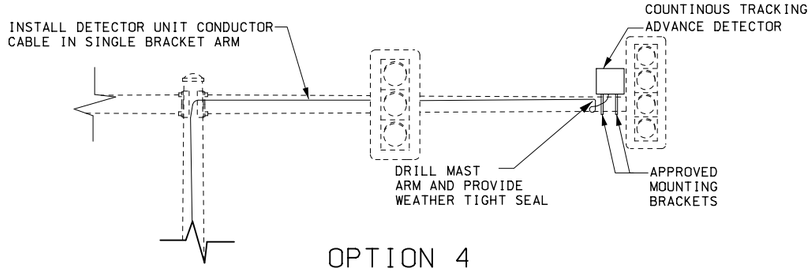


OPTION 5
TYPE B MAST ARM MOUNT
(TWO UNITS)

POLE BASE FOR ALL OPTIONS



NOT TO SCALE



OPTION 4
TYPE B MAST ARM MOUNT
(SINGLE UNIT)

GENERAL NOTES:

- MOUNT DETECTORS AS RECOMENDED BY VENDOR.
- PROVIDE WEATHER TIGHT SEAL WHERE CABLES ENTER AND EXIT
- PROVIDE SLACK IN CABLES AT HAND HOLE
- POST SHALL BE GROUNDED FROM GROUND LUG IN POST WITH # 6 AWG BARE COPPER WIRE TO CONDUIT SYSTEM. GROUND LUG SHALL BE 90° OR 180° FROM THE HANDHOLE.

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 3:04:53 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED	9/29/2026
ROUTE	P
STATE	MO
DISTRICT	SL
SHEET NO.	30
COUNTY	ST. CHARLES
JOB NO.	J6S3666
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)

SIGNAL SHEET
TYPICAL LOACTION OF
DETECTION ZONE & MOUNTING

START STA 463+99.25
BEGIN PROJECT

465

S87°40'34"E

470

W3-3
STA. 473+00

POT STA 473+95.58

475

W13-1P
(UIP)
40
MPH

W1-5R
(UIP)

S66°56'20"E

MATCHLINE STA. 477+30.00

SCALE
0
50
100
150

SIGNING / EROSION CONTROL
SHEET 1 OF 3

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

DATE	DESCRIPTION

BRIDGE NO.

PROJECT NO.

CONTRACT ID.
J6S3666

JOB NO.

COUNTY
ST. CHARLES

DISTRICT
SL

SHEET NO.
31

ROUTE
P

STATE
MO

DATE PREPARED
9/28/2026

MICHAEL EDWARD BLATTNER
NUMBER PE-2008018525
DESIGNED ACCEPTED
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008018525

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008018525
PROFESSIONAL ENGINEER

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER

MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/28/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	32

COUNTY
ST. CHARLES

JOB NO.
J6S3666

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)

SIGNING
SHEET 2 OF 3

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER

09/28/2026 8:37:41 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/28/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	33

COUNTY
ST. CHARLES

JOB NO.
J6S3666

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)

SIGNING / EROSION CONTROL
SHEET 3 OF 3

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A SHEET

SIGN NO.	SIGN SIZE	STATION	HORIZ CLEAR IF NOT STD	LOCATION	SIGN DTL SHT NO.	CONCRETE FOOTINGS EMBEDDED ITEM NO. 9031010 CY	STRUCTURAL STEEL POSTS* POST DES NO.	POST NO.1 LF	POST NO.2 LF	POST NO.3 LF	LBS PER FT	TOTAL ITEM NO. 9031210 LBS	PIPE POSTS* PIPE SIZE IN	POST NO.1 LF	POST NO.2 LF	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	BACKING BARS** 2" X 3/8" BARS AT 2.55 LBS/FT NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	U-CHANNEL POST ITEM NO. 9031250A LF
1	36"X36"			ROUTE P																		
2	24"x36"			KOCH ROAD																		
				SUBTOTAL																		
				TOTAL																**		

SIGN NO.	PERFORATED SQUARE STEEL TUBE 2-INCH POST POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031270A LF	ANCHORS DRIVEN 12 GA. ITEM NO. 9031271A EACH	DRIVEN 7 GA. ITEM NO. 9031273A EACH	CONCRETE 7 GA. ITEM NO. 9031274 EACH	2.5-INCH POST POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031280 LF	2.25" INSERT (6 FT) ITEM NO. 9031272A EACH	ANCHORS DRIVEN 7 GA. ITEM NO. 9031281A EACH	CONCRETE 7 GA. ITEM NO. 9031285 EACH	BREAK-AWAY ASSEMBLY ITEM NO. 9031241 EACH	REMARKS AND OTHER REQUIRED ITEMS
1	14.00		14.00		1									
2	14.00		14.00		1									RELOCATE SIGN TO STA 3+05
			28.00		2									
			28.00		2									

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

ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'- 3½"	12"	4~6"	0.13
4	10.79	0.90	5'- 3½"	18"	5~6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH SH W3-3 36"x36"
1	473+00	ROUTE P	1
		TOTALS	1

SIGN SUMMARY

EFFECTIVE: 10-01-2016

STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
W3-3	STANDARD	1	36"X36"		9.0		
			TOTALS		9		
			PAY TOTALS		9		

*ORANGE, YELLOW AND YELLOW-GREEN

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

D-29	D-30
COMBO SHEET	

EFFECTIVE: 07-01-2024

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER NUMBER PE-2008019525 PROFESSIONAL ENGINEER
10/02/2026 3:04:19 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

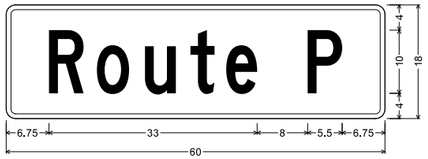
DATE PREPARED: 10/2/2026
ROUTE: P | STATE: MO
DISTRICT: SL | SHEET NO.: 34
COUNTY: ST. CHARLES
JOB NO.: J6S3666
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

SIGNING SHEET
D-29 & D-30 COMBO

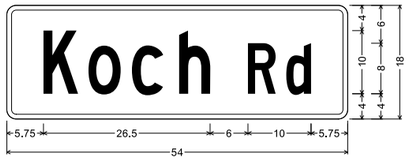
SIGN NO.	1
STATION	485+22
ROADWAY	ROUTE P



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on Green;
"Route P", C;
Table of letter and object lefts

R	o	u	t	e	P
6.750	14.375	22.000	29.125	34.875	47.750

SIGN NO.	2
STATION	484+49 / 485+39
ROADWAY	ROUTE P



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on Green;
"Koch", C; "Rd", C;
Table of letter and object lefts

K	o	c	h	R	d
5.750	13.000	19.875	27.250	38.250	44.250

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/28/2026 1:30:34 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	35

COUNTY
ST. CHARLES

JOB NO.
J6S3666

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)

SIGNING SHEET
D-31

480

PT STA 480+53.03

4" WHITE EDGELINE

PC STA 482+12.15

PI 483+11.17
PC 482+12.15
PT 484+09.54
Δ 11°22'38.6" (LT)
D 5°45'49.9"
L 197.39' (ARC)
T 99.02'
R 994.05'

S69°33'39"E

24" YELLOW DIAGONALS @ 50' (MINIMUM OF 3)

STA. 482+60

100 FT TAPER

12FT
12FT

STA. 483+60 THERMO. ARROW LEFT

120 FT STORAGE

KOCH ROAD BEGIN STA. 0+00 ROUTE P CL STA. 485+05.88

STA. 480+80

60FT CLEAR

S80°56'18"E

N16°11'17"E

24" THERMOPLASTIC STOP BAR

PT STA 484+09.54

PC STA 1+60.80

4" WHITE LANE LINE AND EDGELINES

4" DOUBLE YELLOW

PROJECT LIMIT STA 1+15.18

4" WHITE LANE LINES AND EDGES

4" DOUBLE YELLOW

±16 ±4 ±16

PT STA 2+45.15

24" YELLOW DIAGONALS @ 50' (MINIMUM OF 3)

±12 ±12

N41°14'49"E

4" DOUBLE YELLOW

SIGN SIGN

STA. 2+59

100 FT STORAGE

PI 2+03.66
PC 1+60.80
PT 2+45.15
Δ 25°3'32.2" (RT)
D 29°42'36.6"
L 84.34' (ARC)
T 42.86'
R 192.85'

STA. 1+50 THERMO ARROW LEFT AND RIGHT

80 FT STORAGE

STA. 0+72

STA. 485+80

STA. 486+55 THERMO. ARROW RIGHT

175 FT STORAGE

STA. 487+55

4" DOTTED WHITE LINE

STA. 488+55

PC STA 488+80.36

12FT
12FT

100 FT TAPER

S76°08'25"E

SIGN

PC STA 485+81.24

24" YELLOW DIAGONALS @ 50' (MINIMUM OF 3)

4" DOUBLE YELLOW MEDIAN AND CL

PT STA 487+20.08

4" WHITE EDGE AND LANE LINES

4" DOUBLE YELLOW

PI 486+50.70
PC 485+81.24
PT 487+20.08
Δ 4°47'52.8" (RT)
D 3°27'20.6"
L 138.84' (ARC)
T 69.46'
R 1,658.00'

485

SCALE

0 50 100 150

NOTES:

-ALL PAINT MARKINGS TO BE CLASS 1 18-MIL TYPE P BEADS

-ALL TURNING ARROWS AND STOP BARS TO BE THERMOPLASTIC

-DOTTED LANE LINES SHALL BE 3' LONG WITH 9' GAP

-48" YELLOW MEDIAN DIAGONALS - SEE STANDARD PLAN 620.00P

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER
09/29/2026 3:09:34 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/29/2026

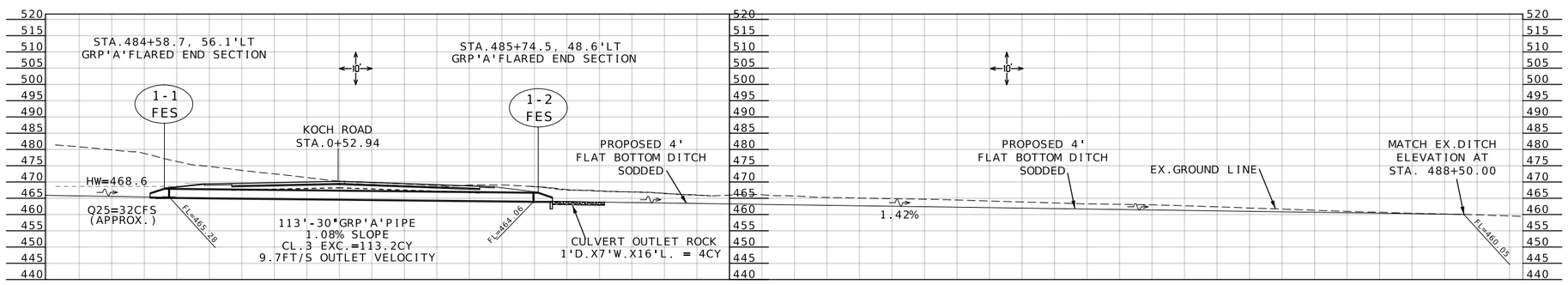
ROUTE P | STATE MO
DISTRICT SL | SHEET NO. 36
COUNTY ST. CHARLES
JOB NO. J6S3666
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING



PIPE TO BE SMOOTH WALL CONCRETE BASED ON MINIMUM CLEARANCE WITH KOCH ROAD

STATE OF MISSOURI
MICHAEL EDWARD BLATTNER
NUMBER PE-2008019525
PROFESSIONAL ENGINEER

09/25/2026 1:36:17 PM
MICHAEL EDWARD BLATTNER - CIVIL
MO-PE-2008019525

DATE PREPARED
9/25/2026

ROUTE	STATE
P	MO
DISTRICT	SHEET NO.
SL	37

COUNTY
ST. CHARLES

JOB NO.
J6S3666

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)

CULVERT SECTION
KOCH ROAD
STA. 0+52.94