

DESIGN DESIGNATION

ROUTE O

A.A.D.T. - 2022 = 550
T = 8%
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

DESIGN DESIGNATION

ROUTE W

A.A.D.T. - 2022 = 1,205
T = 4%
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

DESIGN DESIGNATION

ROUTE Y

A.A.D.T. - 2022 = 8,363
T = 3%
V = 35/45 M.P.H.

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

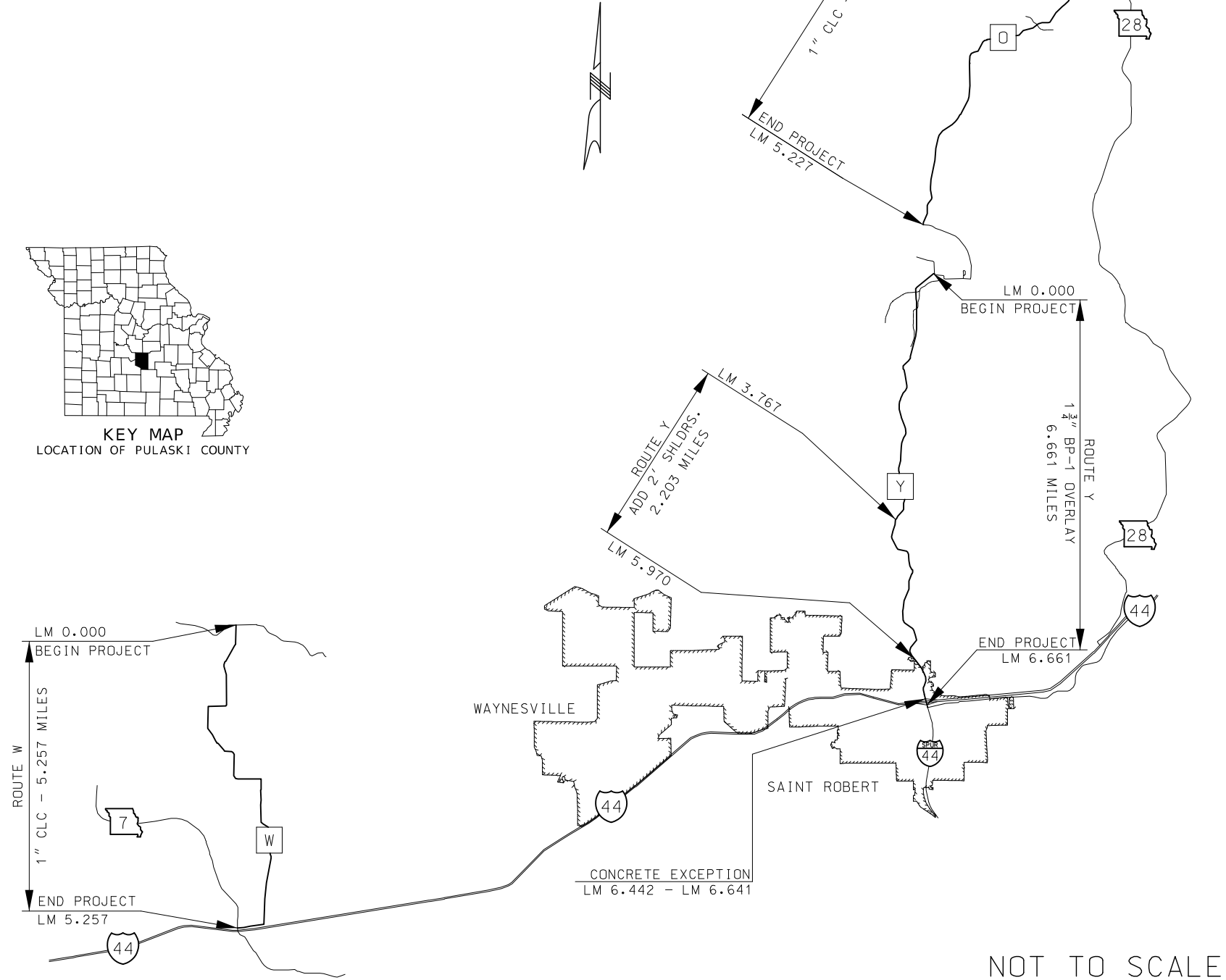
NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

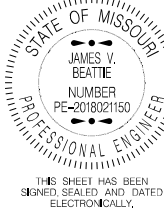
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
PULASKI COUNTY
ROUTES O, W & Y



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) (3 SHEETS)	2
QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEETS (SS)	4-6
TRAFFIC CONTROL SHEETS (TC)	7-11
EROSION CONTROL SHEETS (EC)	12-13
SIGNING (SN)	14



DATE PREPARED	8/7/2023
ROUTE	O/W/Y
STATE	MO
DISTRICT	CD
SHEET NO.	1
COUNTY	PULASKI
JOB NO.	J553352
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

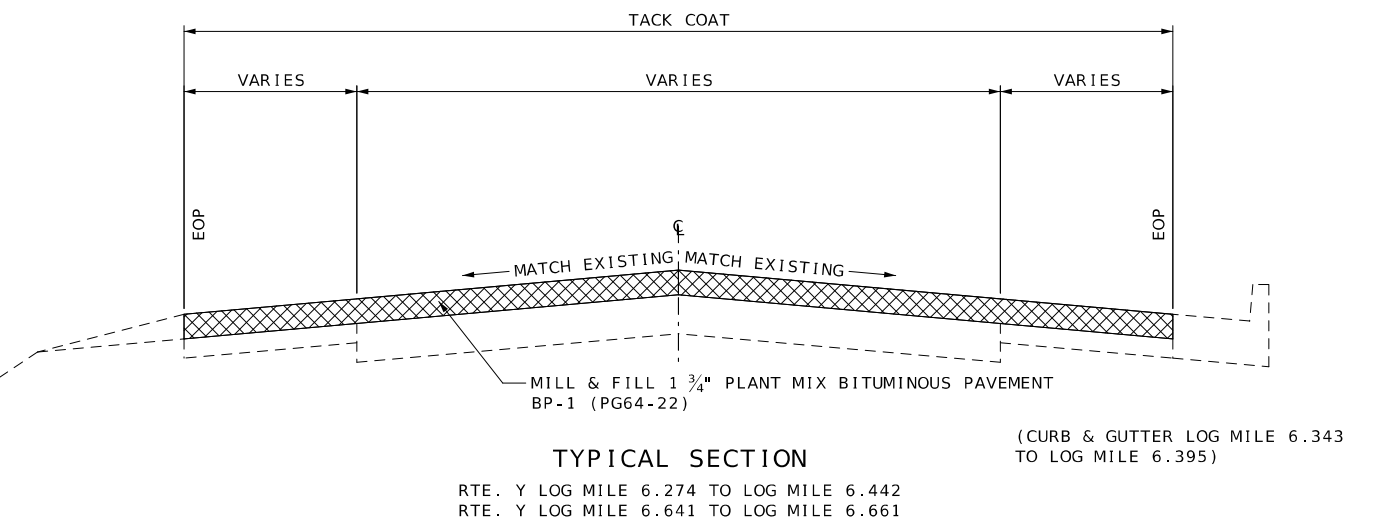
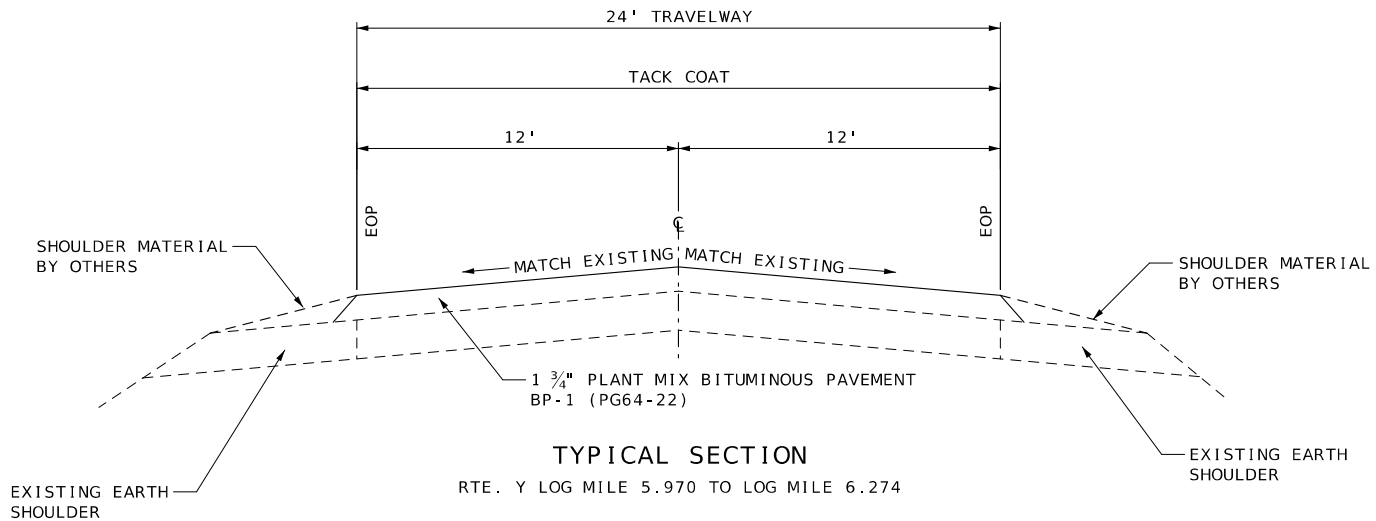
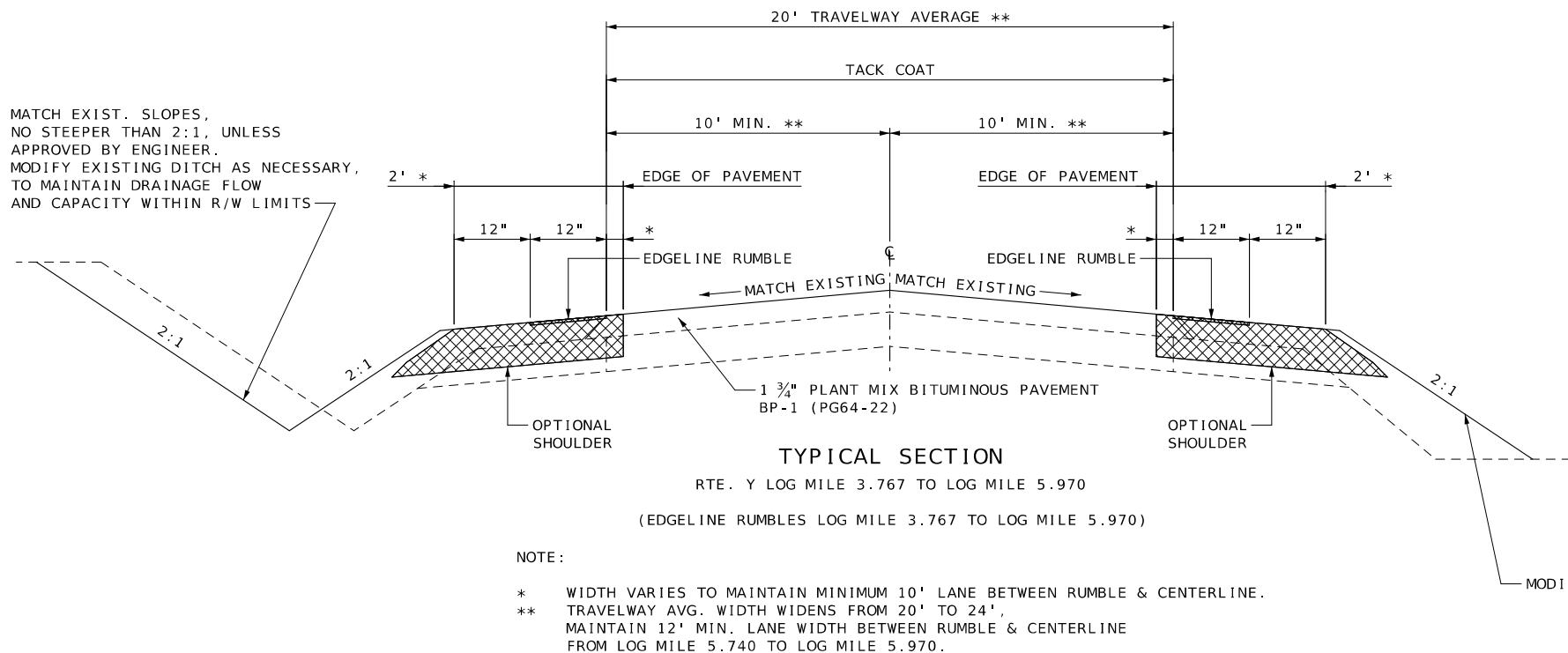
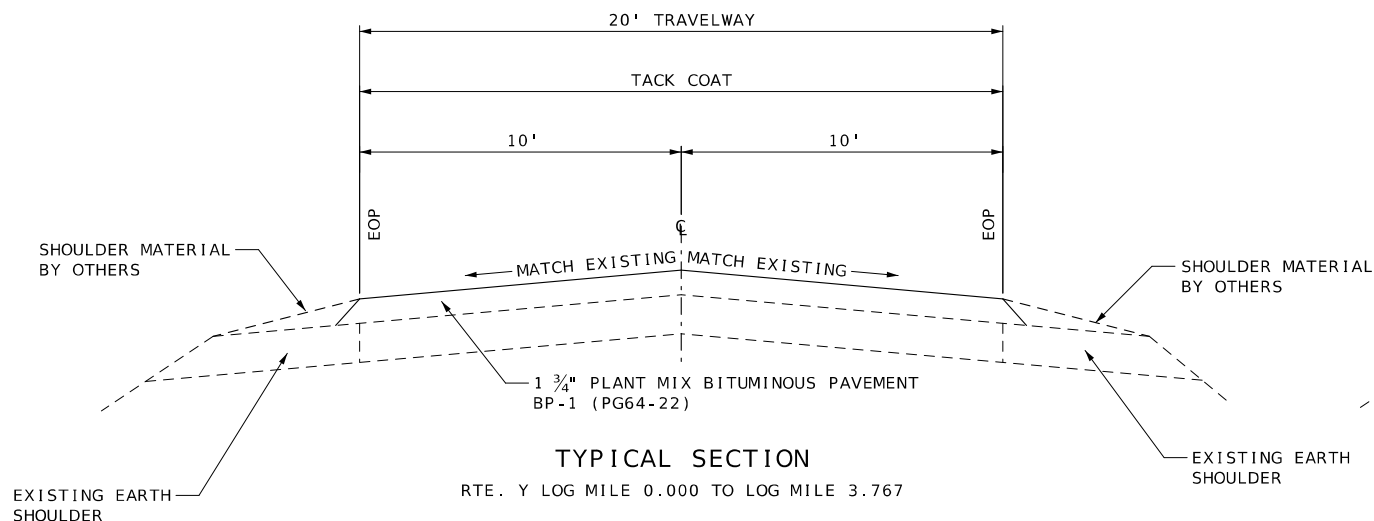
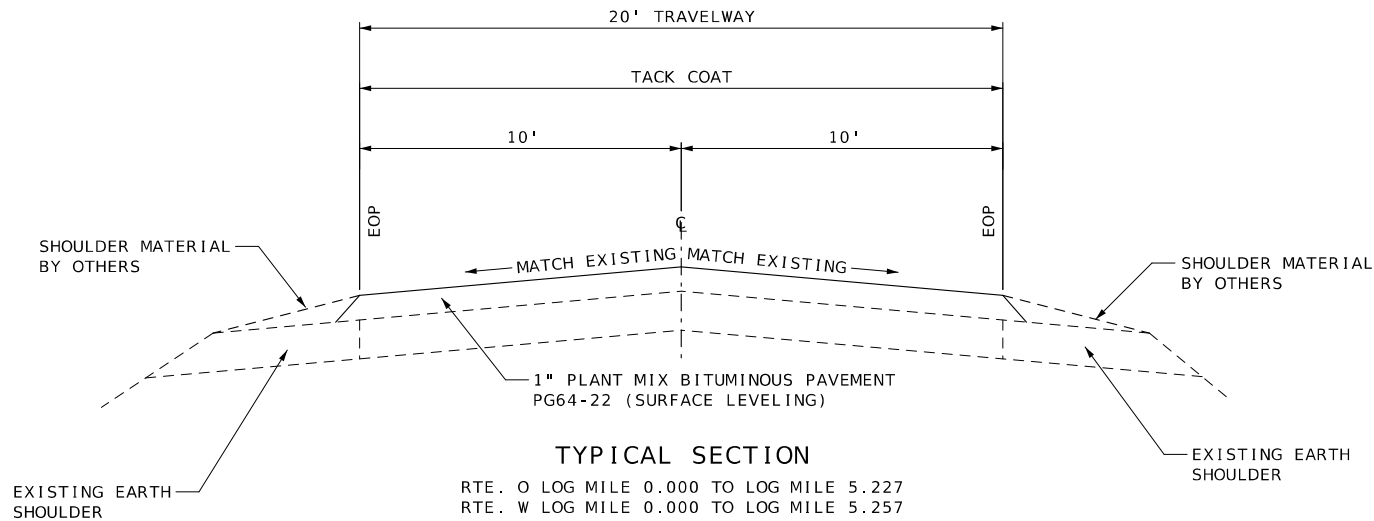
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

LENGTH OF PROJECT

ROUTE O		
BEGINNING OF PROJECT	LOG MI.	0.000
END OF PROJECT	LOG MI.	5.227
APPARENT LENGTH		5.227 MILES
EQUATIONS AND EXCEPTIONS:		NONE
ROUTE W		
BEGINNING OF PROJECT	LOG MI.	0.000
END OF PROJECT	LOG MI.	5.257
APPARENT LENGTH		5.257 MILES
EQUATIONS AND EXCEPTIONS:		NONE
ROUTE Y		
BEGINNING OF PROJECT	LOG MI.	0.000
END OF PROJECT	LOG MI.	6.661
APPARENT LENGTH		6.661 MILES
EQUATIONS AND EXCEPTIONS:		
LM 6.442 - LM 6.641	=	-1050.72 FEET
TOTAL CORRECTIONS	-1050.72	FEET
NET LENGTH OF PROJECT	89,474.88	FEET
STATE LENGTH	16.946	MILES
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	5.34	ACRES

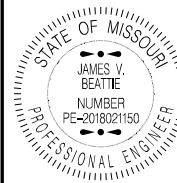


GENERAL NOTES:

- DO NOT PLACE 2' SHOULDER WIDENING WHERE ASPHALT OR CONCRETE ALREADY EXISTS. SHOULDER WIDENING IS 2' OUTSIDE OF EXISTING PAVEMENT. ADDITIONAL WIDTH MAY BE NECESSARY TO MAINTAIN 10' OR 12' LANE WIDTH BETWEEN RUMBLE & CENTERLINE.
- NO DIRECT PAY FOR PAVEMENT EDGE TREATMENT OR CLEARING AND GRUBBING.
- SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION.
- LOG MILES ARE APPROXIMATE. VERIFY ACTUAL LOCATIONS IN THE FIELD.
- ESTIMATE FACTORS:
BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING) = 1.987 TONS/CY
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1) = 1.948 TONS/CY
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE) = 1.980 TONS/CY
TACK = 0.08 GAL/SY
GRAVEL (A) OR CRUSHED STONE (B) = 1.4 TONS/CY
- CONTRACTOR TO PROVIDE A VERTICAL FACE TO EXIST. PAVEMENT. NO DIRECT PAY.

NOT TO SCALE

TYPICAL SECTION
SHEET 1 OF 3



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
8/7/2023

ROUTE
O/W/Y

STATE
MO

DISTRICT
CD

SHEET NO.
2

COUNTY
PULASKI

JOB NO.
J553352

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

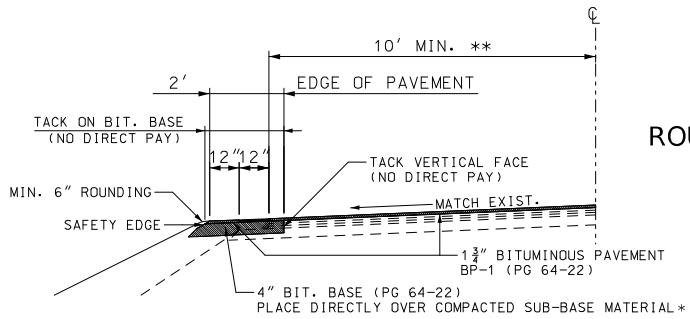
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

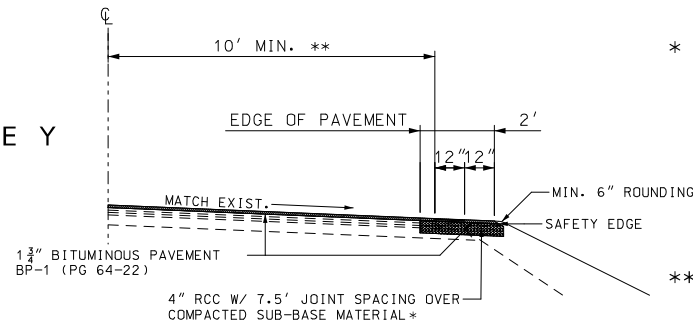
MODOT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SHOULDER SECTION
HOT MIX ASPHALT OPTION

ROUTE Y

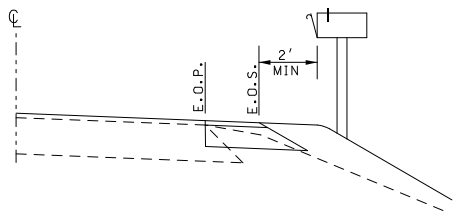


SHOULDER SECTION
CONCRETE OPTION

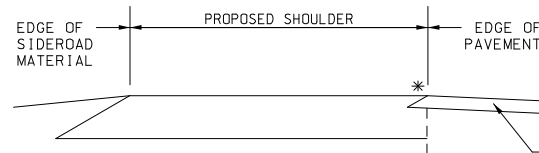
* OPTIONAL SHOULDER
ADDITIONAL THICKNESS
SHOWN IN LIEU OF 4"
TYPE 5 AGGREGATE BASE,
WITH AGGREGATE BASE,
LIFT THICKNESS WOULD BE
3" BIT BASE OR 3" RCC.

ANY ALTERNATE COSTS
WILL BE CONSIDERED
INCIDENTAL.

** TRAVELWAY AVG. WIDTH
WIDENS FROM 20' TO 24',
MAINTAIN 12' MIN. LANE
WIDTH BETWEEN RUMBLE &
CENTERLINE FROM
LOG MILE 5.740 TO
LOG MILE 5.970.

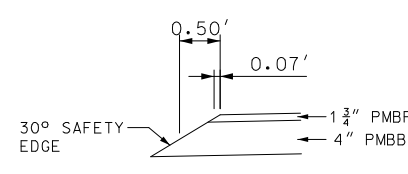


MAILBOX OFFSET DETAIL

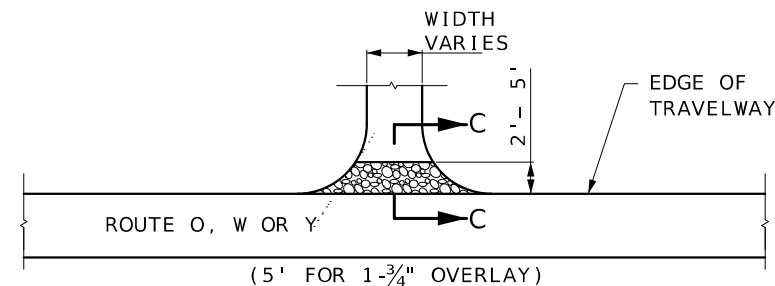


SHOULDER SLOPE ON HIGH SIDE OF
SUPERELEVATION AT SIDEROAD INTERSECTION

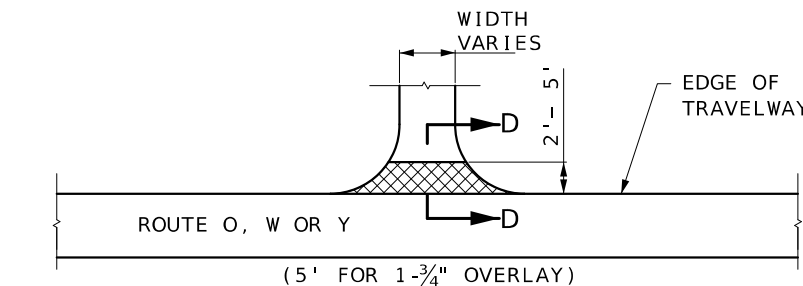
* ALGEBRAIC DIFFERENCE SHALL NOT EXCEED 8%



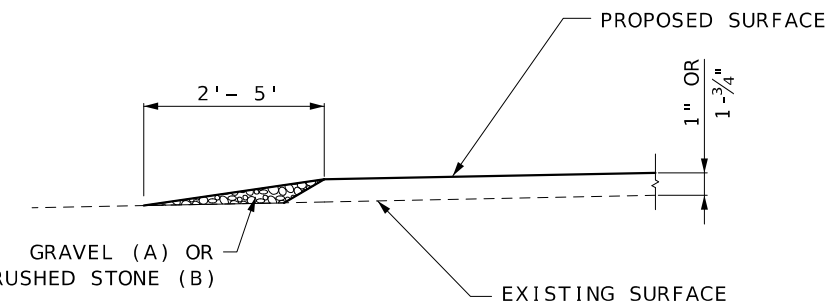
OPTIONAL SHOULDER
PAY LIMITS



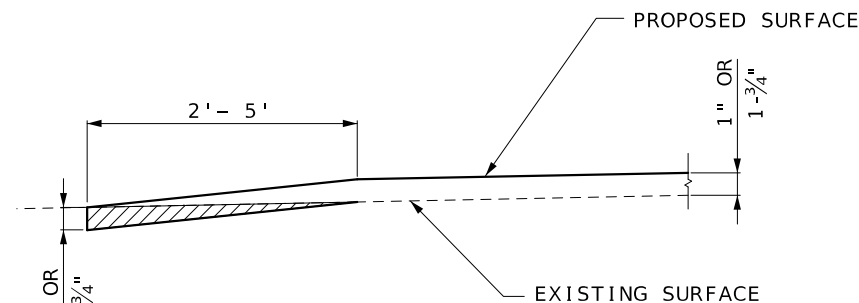
TYPICAL ENTRANCE
(AT EXIST. GRAVEL
PRIVATE, COUNTY ROADS OR CITY STREETS)



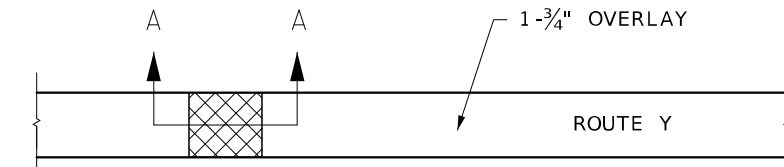
TYPICAL ENTRANCE
(AT EXIST. ASPHALT OR CONCRETE
PRIVATE, COUNTY ROADS OR CITY STREETS)
NO MOD. COLD MILLING FOR PRIVATE ENTR.



ROUTE O, ROUTE W & ROUTE Y
SECTION C-C

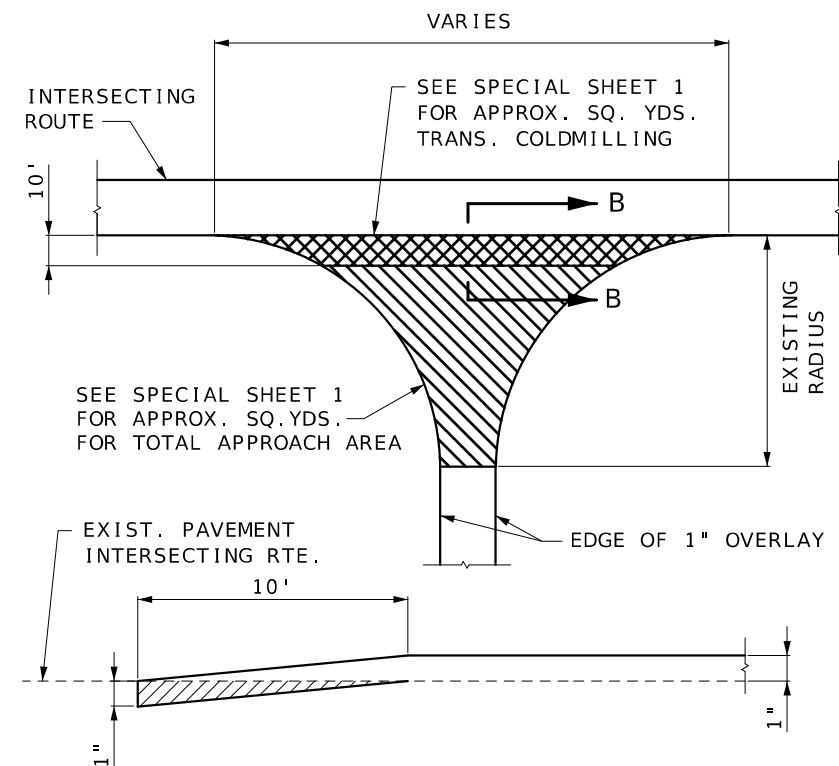


ROUTE O, ROUTE W & ROUTE Y
SECTION D-D



ROUTE Y
SECTION A-A

TRAVELWAY DEPTH TRANSITION
BEGINNING OF PROJECT
NOT AT INTERSECTING ROUTE
AND AT EXCEPTIONS

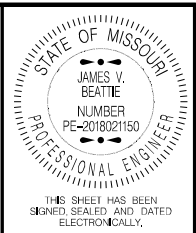


ROUTE O & ROUTE W
SECTION B-B

NOT TO SCALE

DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AT INTERSECTING ROUTE

TYPICAL SECTION
SHEET 2 OF 3



DATE PREPARED	8/7/2023
ROUTE	O/W/Y
STATE	MO
DISTRICT	CD
SHEET NO.	2
COUNTY	PULASKI
JOB NO.	J553352
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

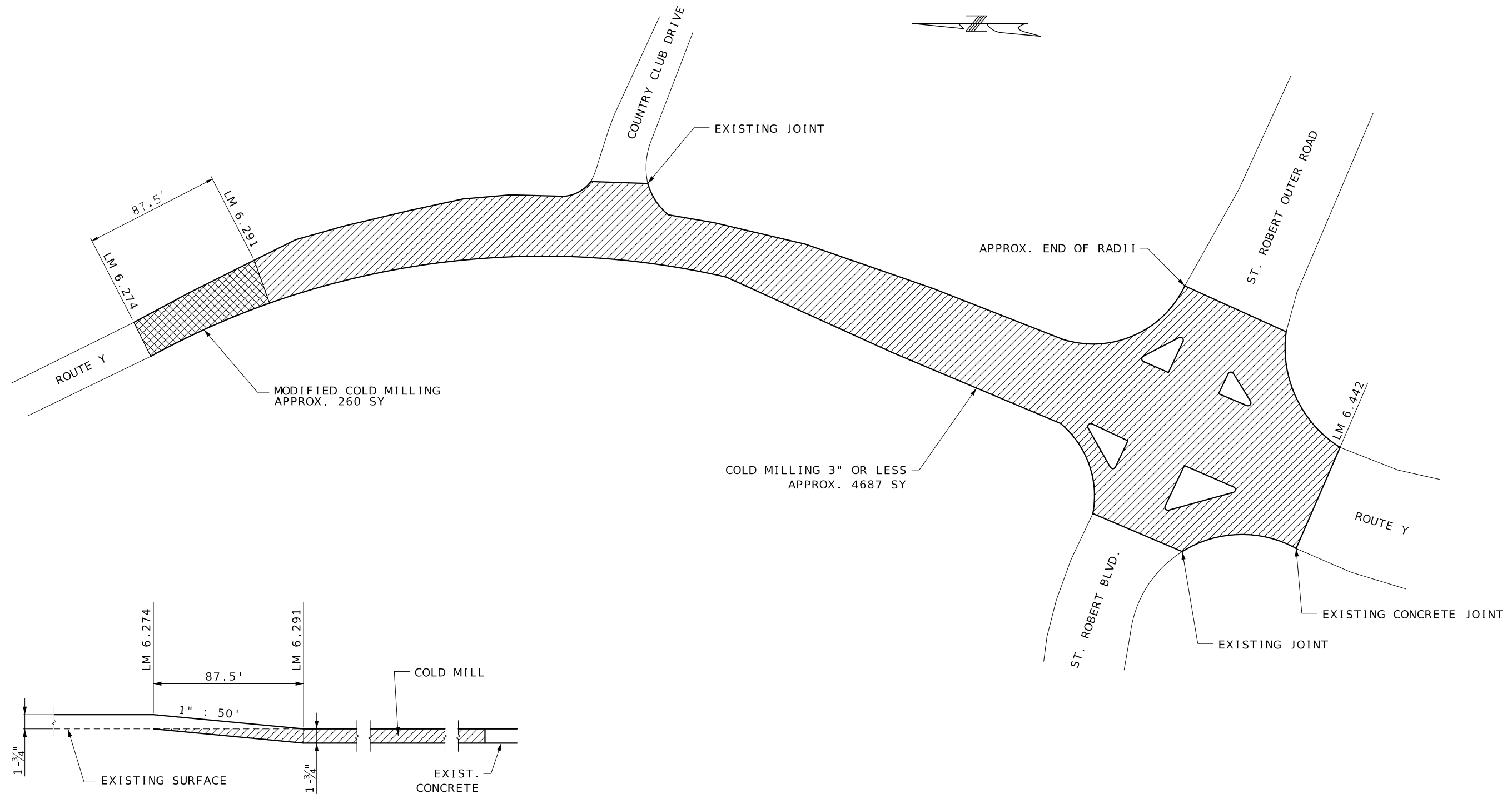
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TRAVELWAY DEPTH TRANSITION
NORTH OF ST. ROBERT OUTER RD./BLVD.

NOTE:
LOG MILES ARE APPROXIMATE.
VERIFY ACTUAL LOCATIONS IN THE FIELD.

NOT TO SCALE
TYPICAL SECTION
SHEET 3 OF 3



DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY PULASKI	
JOB NO. J553352	
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

1.75" BITUMINOUS PAVEMENT MIXTURE PG 64-22 (BP-1) - ROUTE Y							
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	AVERAGE WIDTH (FT)	1.75" BIT. PAVE. MIX. PG 64-22 (TONS)	TACK COAT (GAL)	REMARKS
0.000	5.740	RTE. Y	30307.20	20.0833	6404.17	5410.4	
5.740	6.274	RTE. Y	2819.52	24.0833	714.45	603.6	
6.274	6.442	RTE. Y	887.04	VAR	468.45	395.8	IRREGULAR AREA = 4947 SY
6.641	6.661	RTE. Y - SOUTHBOUND	105.60	38	42.22	35.7	FROM SOUTH END OF BRIDGE TO I-44 EB RAMP
					381.46	322.3	5% FOR PAVED ENTRANCES
					381.46		5% FOR IRREGULARITIES
					152.59		2% FOR SAFETY EDGE
				TOTAL	8544.80	6767.8	
				USE	8544.8	6768	
NOTE: BP-1 = 1.948 TONS/CY, TACK = 0.08 GAL/SY							

1.75" BITUMINOUS PAVEMENT MIXTURE PG 64-22 (BP-1) - OPTIONAL SHOULDER WIDENING							
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	1.75" BIT. PAVE. MIX. PG 64-22 (TONS)	TACK COAT (GAL)	REMARKS
3.767	5.970	RTE. Y - RT.	11631.84	2.07	253.34	214.0	
3.767	5.970	RTE. Y - LT.	11631.84	2.07	253.34	214.0	
				TOTAL	506.68	428.0	
				USE	506.7	428	
NOTE: BP-1 = 1.948 TONS/CY, TACK = 0.08 GAL/SY							

BASE - OPTIONAL SHOULDER WIDENING						
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	4" BIT. BASE PG 64-22 (TONS)	REMARKS
3.767	5.970	RTE. Y - RT.	11631.84	2.50	710.83	
3.767	5.970	RTE. Y - LT.	11631.84	2.50	710.83	
				TOTAL	1421.66	
				USE	1421.7	
NOTE: BIT. BASE = 1.980 TONS/CY						

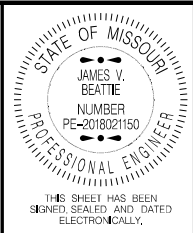
1" PLANT MIXTURE BITUMINOUS PAVEMENT PG 64-22 (SURFACE LEVELING) - ROUTE O							
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	AVERAGE WIDTH (FT)	1" PMBP PG 64-22 (TONS)	TACK COAT (GAL)	REMARKS
0.000	0.014	RTE. O	73.92	VAR	17.50	25.4	IRREGULAR AREA = 317 SY
0.014	5.220	RTE. O	27487.68	20.0833	3385.52	4907.1	
5.220	5.227	RTE. O	36.96	VAR	11.98	17.4	IRREGULAR AREA = 217 SY
					34.15	49.5	1% FOR PAVED ENTRANCES
					683.00		20% FOR IRREGULARITIES
					68.30		2% FOR SAFETY EDGE
				TOTAL	4200.45	4999.4	
				USE	4200.5	4999	
NOTE: PMBP = 1.987 TONS/CY, TACK = 0.08 GAL/SY							

1" PLANT MIXTURE BITUMINOUS PAVEMENT PG 64-22 (SURFACE LEVELING) - ROUTE W							
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	AVERAGE WIDTH (FT)	1" PMBP PG 64-22 (TONS)	TACK COAT (GAL)	REMARKS
0.000	0.010	RTE. W	52.80	VAR	13.25	19.2	IRREGULAR AREA = 240 SY
0.010	5.247	RTE. W	27651.36	20.0833	3405.68	4936.3	
5.247	5.257	RTE. W	52.80	VAR	13.69	19.8	IRREGULAR AREA = 248 SY
					34.33	49.8	1% FOR PAVED ENTRANCES
					686.52		20% FOR IRREGULARITIES
					68.65		2% FOR SAFETY EDGE
				TOTAL	4222.12	5025.1	
				USE	4222.1	5025	
NOTE: PMBP = 1.987 TONS/CY, TACK = 0.08 GAL/SY							

REMOVAL OF IMPROVEMENTS					
LOG MILE	LOG MILE	LOCATION	ITEM	QUANTITY	REMARKS
4.290	4.400	RTE. Y	CHEVRON (W1-8D)	6 EA	INCLUDES POST
			USE	1 LUMP SUM	

MODIFIED LINEAR GRADING CLASS 2					
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	MOD. LIN. GRADING CL. 2 (STA)	REMARKS
3.767	5.970	RTE. Y - RT.	11631.8	116.32	
3.767	5.970	RTE. Y - RT.		-14.90	ENTRANCE EXEMPTIONS
3.767	5.970	RTE. Y - LT.	11631.8	116.32	
3.767	5.970	RTE. Y - LT.		-19.65	ENTRANCE EXEMPTIONS
			TOTAL	198.09	
			USE	198.1	

GRAVEL (A) OR CRUSHED STONE (B)					
LOG MILE	LOG MILE	LOCATION	LENGTH (MI)	TONS	REMARKS
0.014	5.227	RTE. O	5.213	104.26	ESTIMATED AT 20 TONS / MILE
0.018	5.257	RTE. W	5.239	209.56	ESTIMATED AT 40 TONS / MILE
0.000	6.319	RTE. Y	6.319	252.76	ESTIMATED AT 40 TONS / MILE
				28.33	5% FOR ADD. AREA
			TOTAL	594.91	TO BE USED ON GRAVEL EXIST. PRIVATE,
			USE	595	COUNTY ROADS OR CITY STREETS
ESTIMATE FACTOR = 1.40 TONS/CY					



DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY PULASKI	
JOB NO. J553352	
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

CONSTRUCTION SIGNS - ROUTE O						
SIGN NUM.	SIGN	SIGN (IN)	AREA (SF)	QTY (EA)	TOTAL AREA (SF)	DESCRIPTION
1*	GO20-1	60 X 24	10.00	2	20	ROAD WORK NEXT 6 MILES
2	W020-1	48 X 48	16.00	13	208	ROAD WORK AHEAD
7	WO20-4	48 X 48	16.00	4	64	ONE LANE ROAD AHEAD
8	WO20-7a	48 X 48	16.00	8	128	FLAGGER (SYMBOL, WITH FLAGS)
11	W03-4	48 X 48	16.00	4	64	BE PREPARED TO STOP
26	GO20-2	48 X 24	8.00	2	16	END ROAD WORK
35	W08-12	48 X 48	16.00	6	96	NO CENTER LINE
36	W08-11	48 X 48	16.00	8	128	UNEVEN LANES
53	GO20-4	36 X 18	4.50	1	4.5	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16	RATE OUR WORK ZONE
58	GO20-4a	42 X 30	8.75		0	PILOT CARE IN USE WAIT & FOLLOW
58	GO20-4a	18 X 12	1.50	4	6	PILOT CARE IN USE WAIT & FOLLOW
59	CONST-8	48 X 36	12.00	2	24	WORK ZONE NO PHONE ZONE
	GO22-1	21 X 15	2.19		0	WET PAINT (ARROW PIVOTS)
616-10.05						
CONSTRUCTION SIGNS					SUBTOTAL 1	775

CONSTRUCTION SIGNS - ROUTE W						
SIGN NUM.	SIGN	SIGN (IN)	AREA (SF)	QTY (EA)	TOTAL AREA (SF)	DESCRIPTION
1*	GO20-1	60 X 24	10.00	2	20	ROAD WORK NEXT 6 MILES
2	W020-1	48 X 48	16.00	14	224	ROAD WORK AHEAD
7	WO20-4	48 X 48	16.00	4	64	ONE LANE ROAD AHEAD
8	WO20-7a	48 X 48	16.00	9	144	FLAGGER (SYMBOL, WITH FLAGS)
11	W03-4	48 X 48	16.00	5	80	BE PREPARED TO STOP
26	GO20-2	48 X 24	8.00	2	16	END ROAD WORK
35	W08-12	48 X 48	16.00	6	96	NO CENTER LINE
36	W08-11	48 X 48	16.00	8	128	UNEVEN LANES
53	GO20-4	36 X 18	4.50	1	4.5	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16	RATE OUR WORK ZONE
58	GO20-4a	42 X 30	8.75		0	PILOT CARE IN USE WAIT & FOLLOW
58	GO20-4a	18 X 12	1.50	5	7.5	PILOT CARE IN USE WAIT & FOLLOW
59	CONST-8	48 X 36	12.00	2	24	WORK ZONE NO PHONE ZONE
	GO22-1	21 X 15	2.19		0	WET PAINT (ARROW PIVOTS)
616-10.05						
CONSTRUCTION SIGNS					SUBTOTAL 2	824

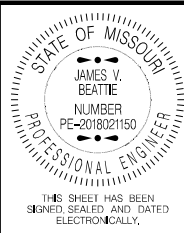
CONSTRUCTION SIGNS - ROUTE Y						
SIGN NUM.	SIGN	SIGN (IN)	AREA (SF)	QTY (EA)	TOTAL AREA (SF)	DESCRIPTION
1*	GO20-1	60 X 24	10.00	2	20	ROAD WORK NEXT 7 MILES
2	W020-1	48 X 48	16.00	21	336	ROAD WORK AHEAD
7	WO20-4	48 X 48	16.00	6	96	ONE LANE ROAD AHEAD
8	WO20-7a	48 X 48	16.00	14	224	FLAGGER (SYMBOL, WITH FLAGS)
11	W03-4	48 X 48	16.00	10	160	BE PREPARED TO STOP
26	GO20-2	48 X 24	8.00	2	16	END ROAD WORK
35	W08-12	48 X 48	16.00	10	160	NO CENTER LINE
36	W08-11	48 X 48	16.00	16	256	UNEVEN LANES
53	GO20-4	36 X 18	4.50	1	4.5	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16	RATE OUR WORK ZONE
58	GO20-4a	42 X 30	8.75	4	35	PILOT CARE IN USE WAIT & FOLLOW
58	GO20-4a	18 X 12	1.50	6	9	PILOT CARE IN USE WAIT & FOLLOW
59	CONST-8	48 X 36	12.00	2	24	WORK ZONE NO PHONE ZONE
	GO22-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
616-10.05						
CONSTRUCTION SIGNS					SUBTOTAL 3	1365

CONSTRUCTION SIGNS TOTALS - RTE. O, RTE. W & RTE. Y						
SIGN NUM.	SIGN	SIGN (IN)	AREA (SF)	QTY (EA)	TOTAL AREA (SF)	DESCRIPTION
1*	GO20-1	60 X 24	10.00	6	60	ROAD WORK NEXT 6 MILES & 7 MILES
2	W020-1	48 X 48	16.00	48	768	ROAD WORK AHEAD
7	WO20-4	48 X 48	16.00	14	224	ONE LANE ROAD AHEAD
8	WO20-7a	48 X 48	16.00	31	496	FLAGGER (SYMBOL, WITH FLAGS)
11	W03-4	48 X 48	16.00	19	304	BE PREPARED TO STOP
26	GO20-2	48 X 24	8.00	6	48	END ROAD WORK
35	W08-12	48 X 48	16.00	22	352	NO CENTER LINE
36	W08-11	48 X 48	16.00	32	512	UNEVEN LANES
53	GO20-4	36 X 18	4.50	3	13.5	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	6	48	RATE OUR WORK ZONE
58	GO20-4a	42 X 30	8.75	4	35	PILOT CARE IN USE WAIT & FOLLOW
58	GO20-4a	18 X 12	1.50	15	22.5	PILOT CARE IN USE WAIT & FOLLOW
59	CONST-8	48 X 36	12.00	6	72	WORK ZONE NO PHONE ZONE
	GO22-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
616-10.05						
CONSTRUCTION SIGNS					TOTAL	2964

ADDITIONAL CONSTRUCTION ITEMS				
LOCATION	TMA ITEM NUM. 612-30.00A (EA)	CHANNELIZER (TRIM LINE) ITEM NUM. 616-10.25 (EA)	CHANGEABLE MESSAGE SIGN ITEM NUM. 616-10.98A (EA)	REMARKS
RTE. O		100	2	
RTE. W		100	2	
RTE. Y	2	100	2	
TOTAL	2	300	6	
NOTE: TMA IS TRUCK OR TRAILER MOUNTED ATTENUATOR CMS IS WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED				

MOBILIZATION
1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING
TOTAL = 4 UNITS
USE = 4 UNITS



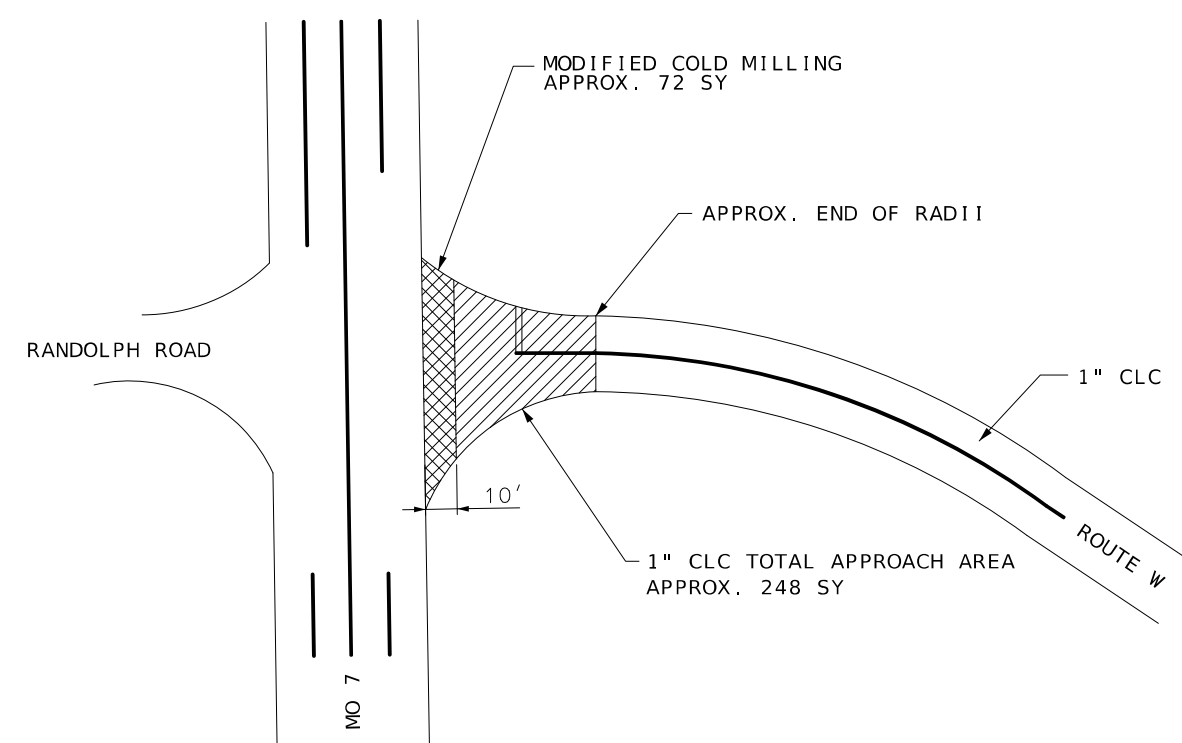
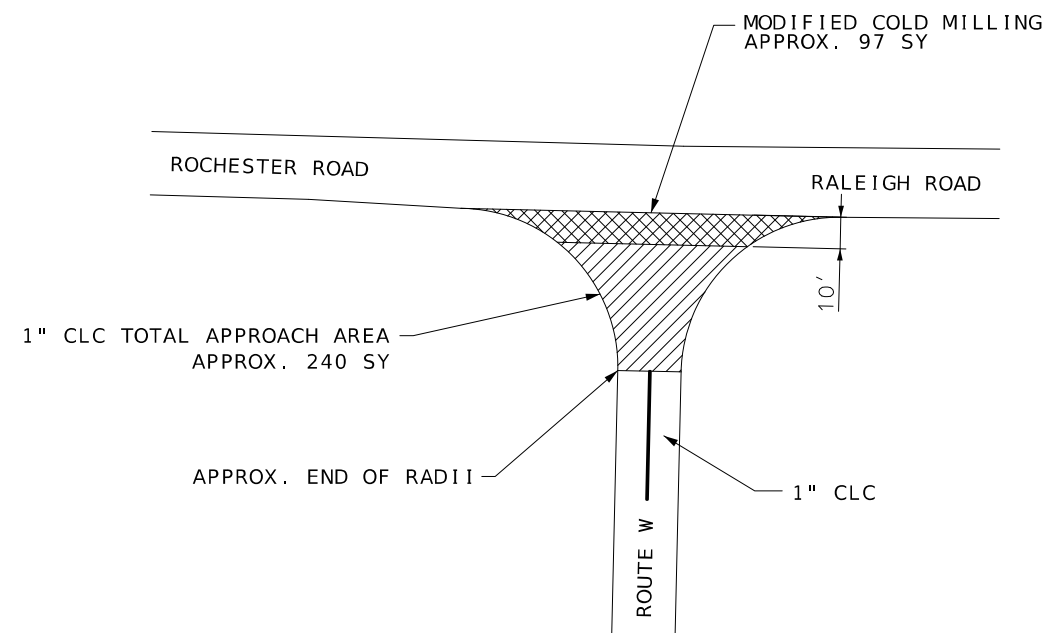
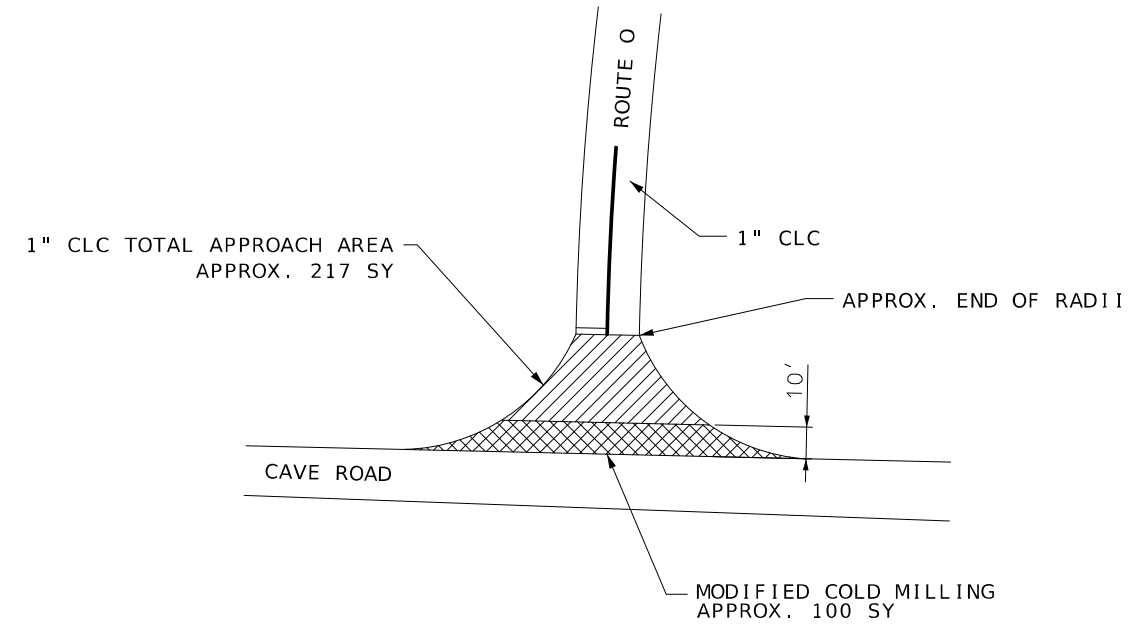
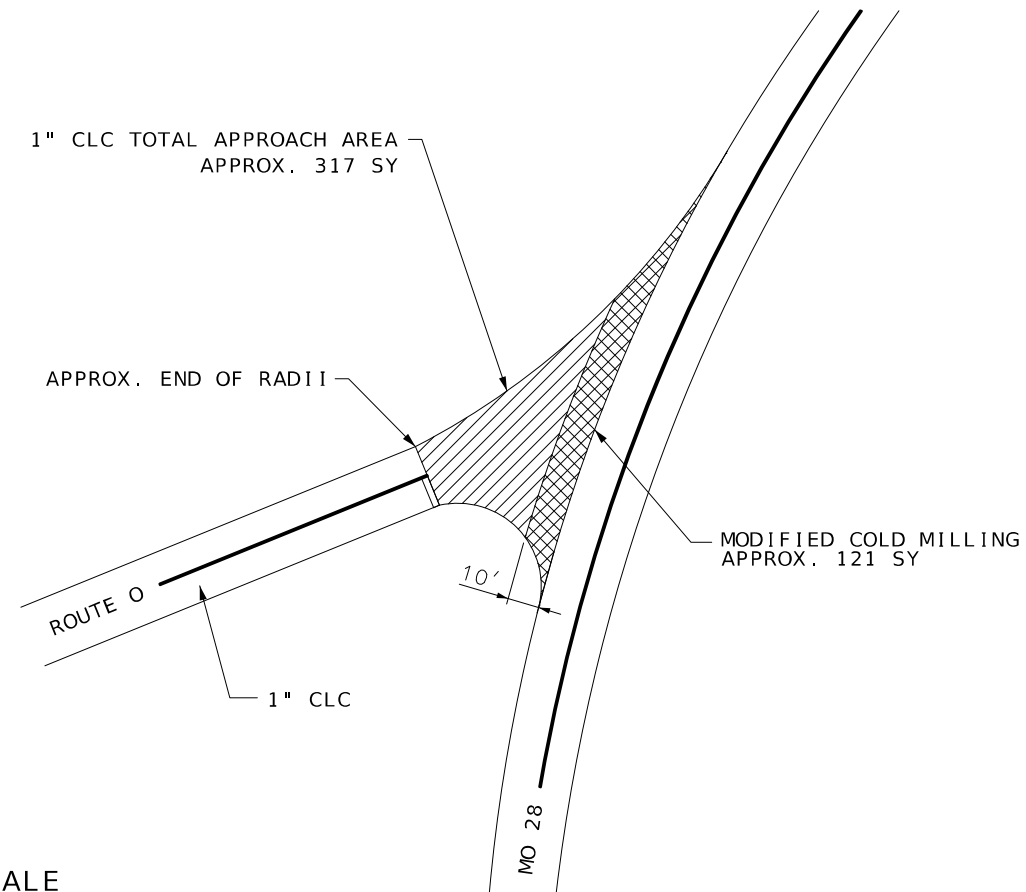
DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY PULASKI	
JOB NO. J553352	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DATE PREPARED
8/7/2023

ROUTE	STATE
-------	-------

O / W / Y	MO
-----------	----

DISTRICT	SHEET NO.
35	1

CD	4
----	---

COUNTY
DILLACK

PULASKI
AGE NO.


JOB NO.
1553352

1555552
CONTRACT ID

CONTRACT ID.

PROJECT NO.

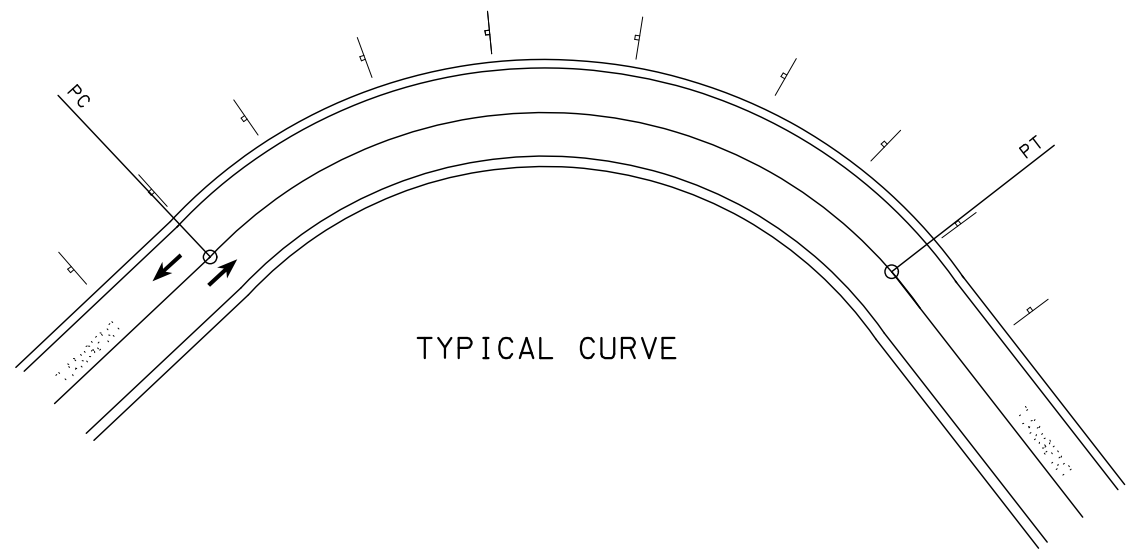
Journal of Management Education 30(6)p. 789-804

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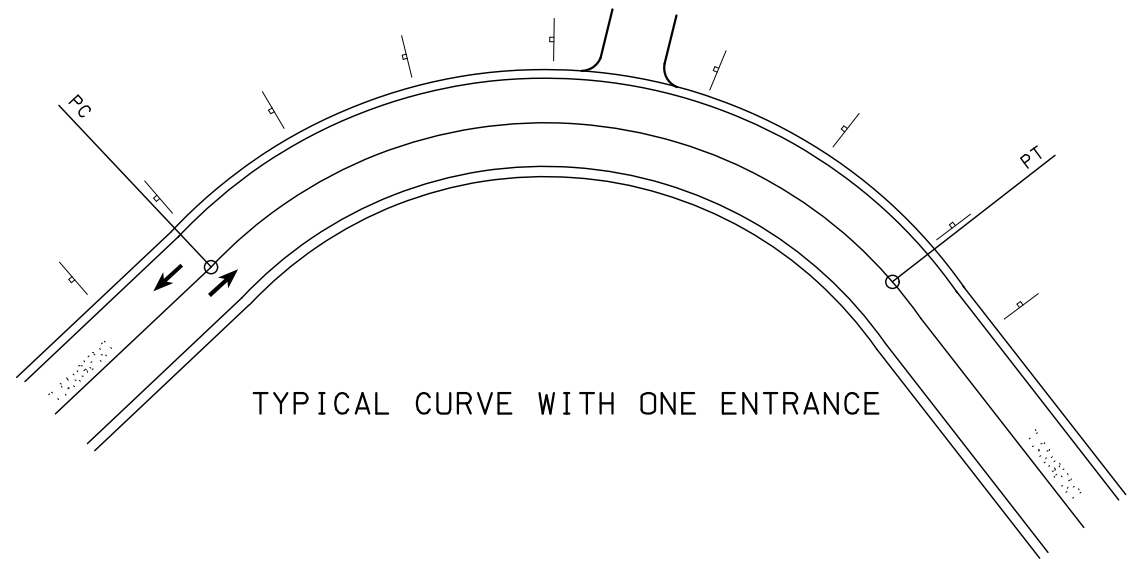
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

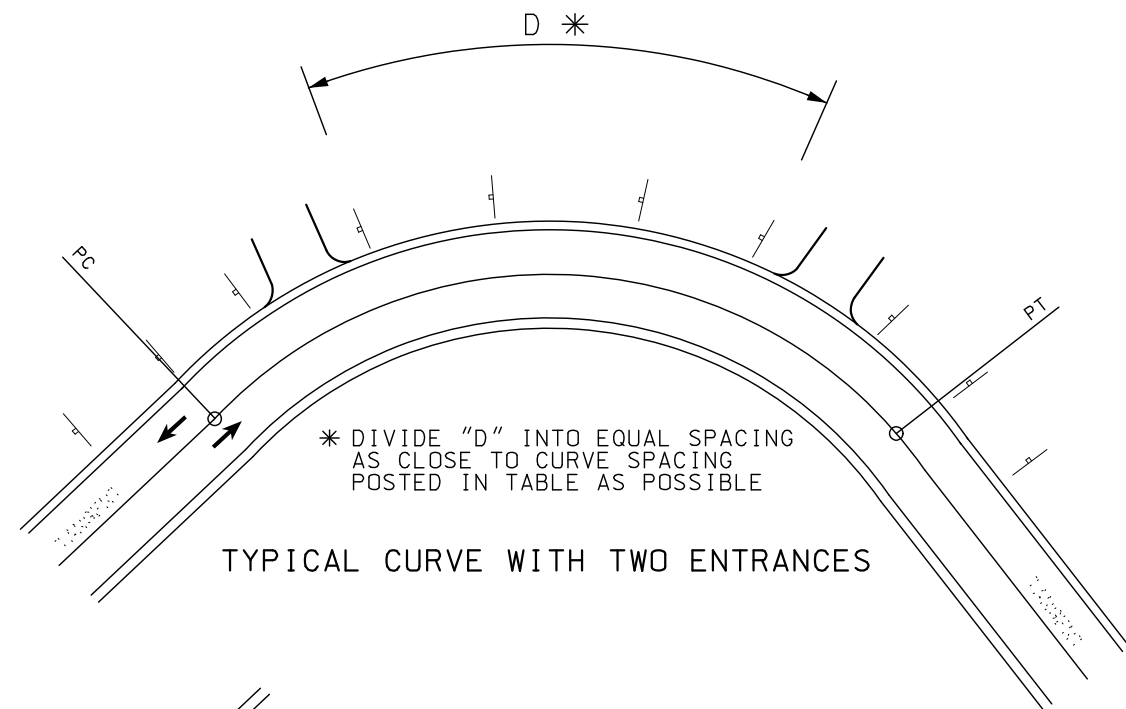
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TYPICAL CURVE

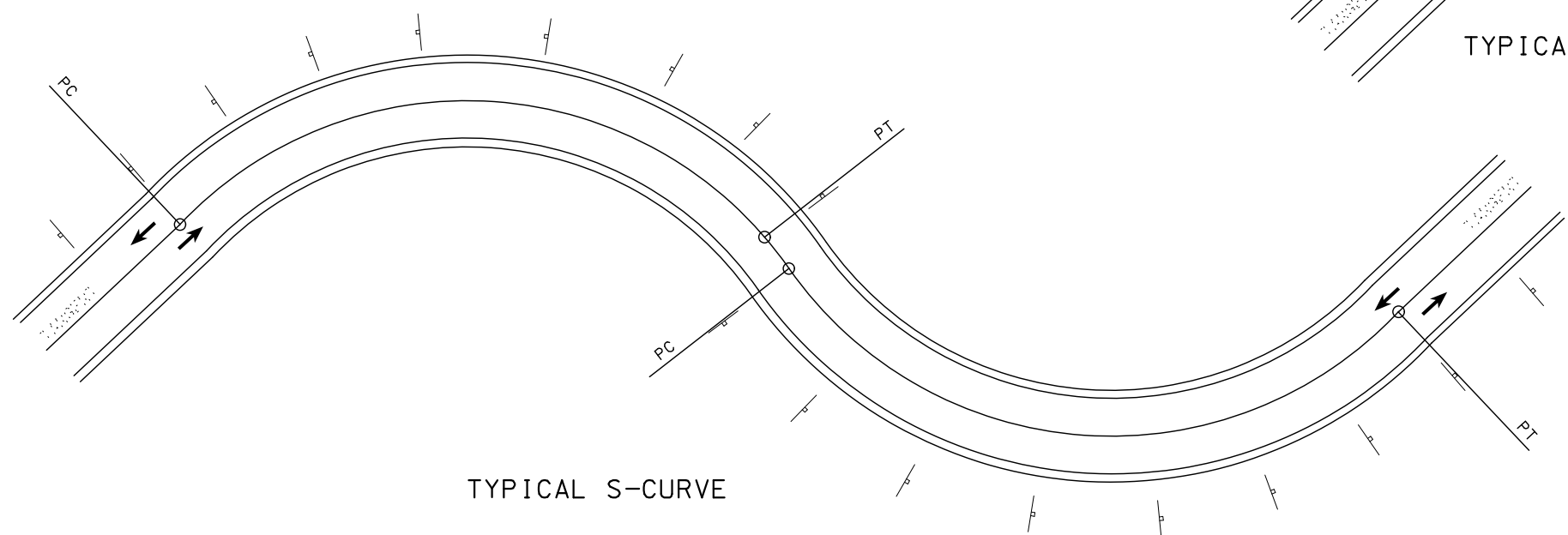


TYPICAL CURVE WITH ONE ENTRANCE



TYPICAL CURVE WITH TWO ENTRANCES

* DIVIDE "D" INTO EQUAL SPACING
AS CLOSE TO CURVE SPACING
POSTED IN TABLE AS POSSIBLE



TYPICAL S-CURVE

TABLE 903.6.11 TYPICAL SPACING OF CHEVRON ALIGNMENT SIGNS ON HORIZONTAL CURVES	
ADVISORY SPEED	SIGN SPACING
15 MPH OR LESS	40 FEET
20 TO 30 MPH	60 FEET
35 TO 45 MPH	80 FEET
50 TO 60 MPH	100 FEET
MORE THAN 60 MPH	140 FEET

NOTE: THE SEQUENCE OF SIGN PLACEMENT
IS SUGGESTED IN EXAMPLES OR
AS DIRECTED BY ENGINEER.

NOT TO SCALE

STATE OF MISSOURI

JAMES V. BEATTIE

NUMBER PE-2018021150

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

8/7/2023

ROUTE

O/W/Y

STATE

MO

DISTRICT

CD

SHEET NO.

5

COUNTY

PULASKI

JOB NO.

J553352

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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LOCATION #2-ROUTE Y
PULASKI COUNTY
SB L.M. 0.35 TO L.M. 0.45
9 DOUBLE-SIDED CHEVRONS

LOCATION #4-ROUTE Y
PULASKI COUNTY
SB L.M. 1.46 TO L.M. 1.57
10 DOUBLE-SIDED CHEVRONS

LOCATION #6-ROUTE Y
PULASKI COUNTY
SB L.M. 3.17 TO L.M. 3.25
7 DOUBLE-SIDED CHEVRONS

LOCATION #8-ROUTE Y
PULASKI COUNTY
SB L.M. 3.40 TO L.M. 3.49
7 DOUBLE-SIDED CHEVRONS

LOCATION #10-ROUTE Y
PULASKI COUNTY
SB L.M. 4.29 TO L.M. 4.40
10 DOUBLE-SIDED CHEVRONS
NOTE: REMOVE EXIST. 6 D.-S. CHEVRONS

LOCATION #1-ROUTE Y
PULASKI COUNTY
SB L.M. 0.06 TO L.M. 0.16
9 DOUBLE-SIDED CHEVRONS

LOCATION #3-ROUTE Y
PULASKI COUNTY
SB L.M. 1.35 TO L.M. 1.45
7 DOUBLE-SIDED CHEVRONS

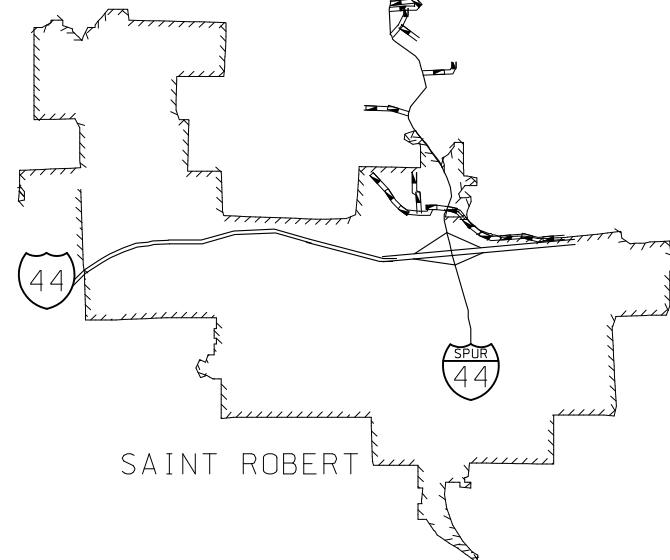
LOCATION #5-ROUTE Y
PULASKI COUNTY
SB L.M. 2.34 TO L.M. 2.53
13 DOUBLE-SIDED CHEVRONS

LOCATION #7-ROUTE Y
PULASKI COUNTY
SB L.M. 3.25 TO L.M. 3.32
5 DOUBLE-SIDED CHEVRONS

LOCATION #9-ROUTE Y
PULASKI COUNTY
SB L.M. 3.55 TO L.M. 3.67
8 DOUBLE-SIDED CHEVRONS

PULASKI County Map Legend

- County Line
- Section Line
- State Route
- City or County Route
- Lake of the Ozarks
Lakes, Rivers, Creeks, Streams
- Railroad
- City Limits



CHEVRON LOCATION DETAIL

NOT TO SCALE

SPECIAL SHEET
3 OF 3



DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 6
COUNTY PULASKI	
JOB NO. J553352	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

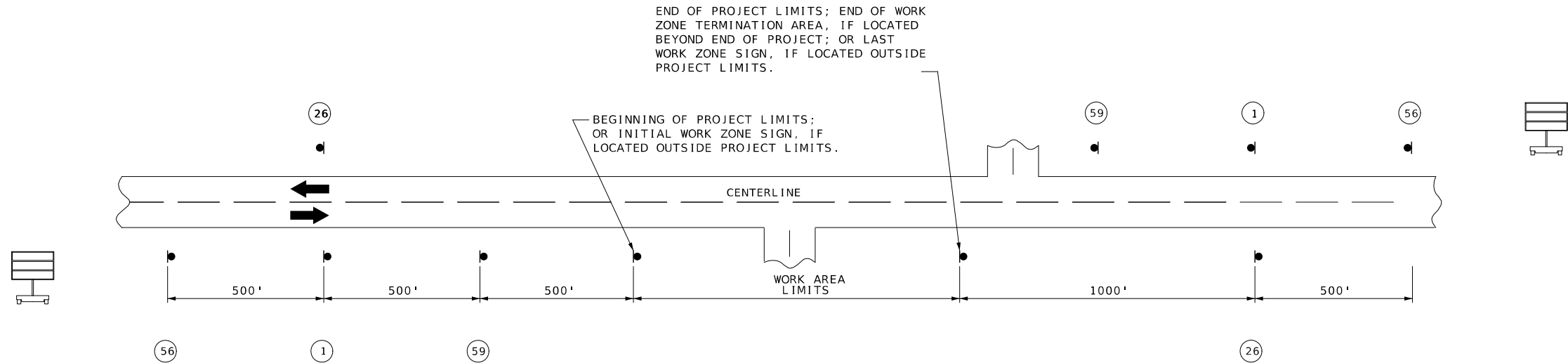
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



GENERAL NOTES:

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

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

PERMANENT SIGNS SHALL BE INSTALLED FOR THE DURATION OF THE PROJECT.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

FINAL PLACEMENT OF SIGNS SHALL BE AS APPROVED BY THE ENGINEER.

CONTRACTOR MUST MAINTAIN INGRESS AND EGRESS AT ALL SIDE ROADS, STATE ROUTES, AND PRIVATE ENTRANCES.

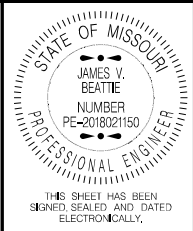
CHANGEABLE MESSAGE SIGNS (CMS) SHALL BE LOCATED AS APPROVED BY THE ENGINEER.

NOTES:

SIGN 1 AND 26 ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

NOT TO SCALE

TRAFFIC CONTROL
SHEET 1 OF 5



DATE PREPARED
8/7/2023

ROUTE STATE
O/W/Y MO

DISTRICT SHEET NO.
CD 7

COUNTY
PULASKI

JOB NO.
J553352

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

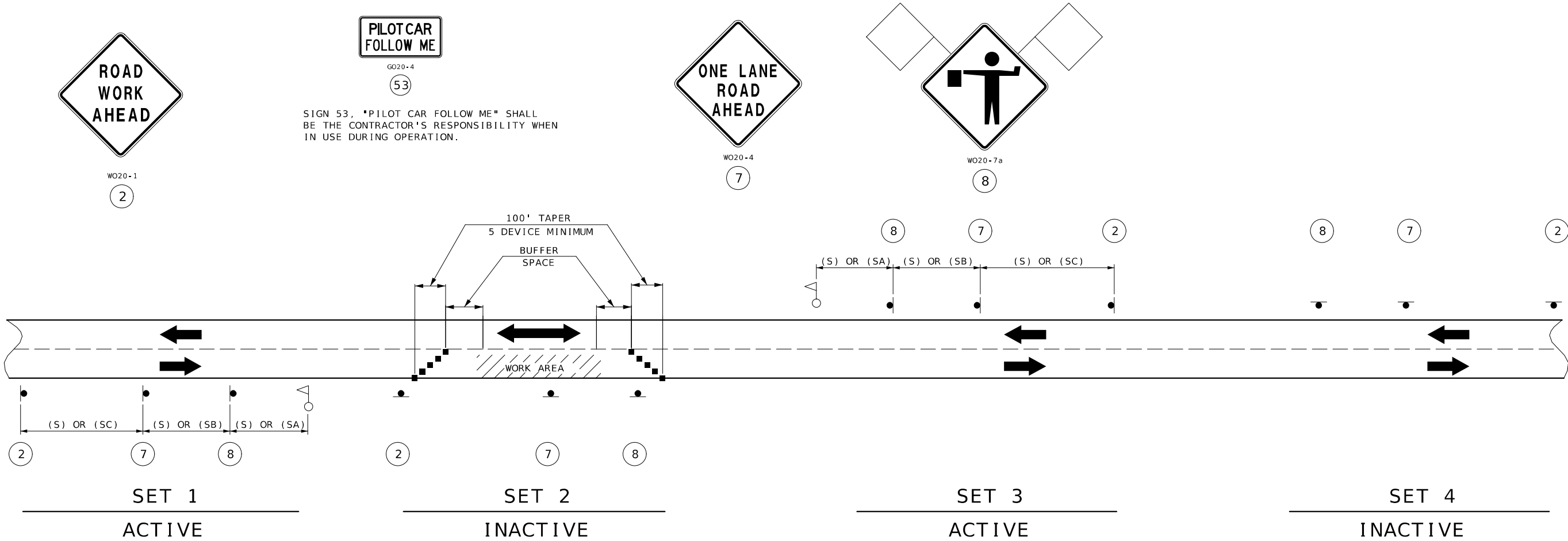
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MODOT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



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

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

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

- - CHANNELIZERS
- - FLAGGER

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

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

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

SPEED	SIGN SPACING (FT.)	
	(1)	
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA) -1000 (SB) -1500 (SC) -2640

PERMANENT POSTED SPEED LIMIT (MPH)	BUFFER SPACE LENGTH (FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

NOTES:

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

NOT TO SCALE

STATE OF MISSOURI
JAMES V. BEATTIE
NUMBER
PE-2018021150
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
8/7/2023

ROUTE
O/W/Y

STATE
MO

DISTRICT
CD

SHEET NO.
8

COUNTY
PULASKI

JOB NO.
J553352

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

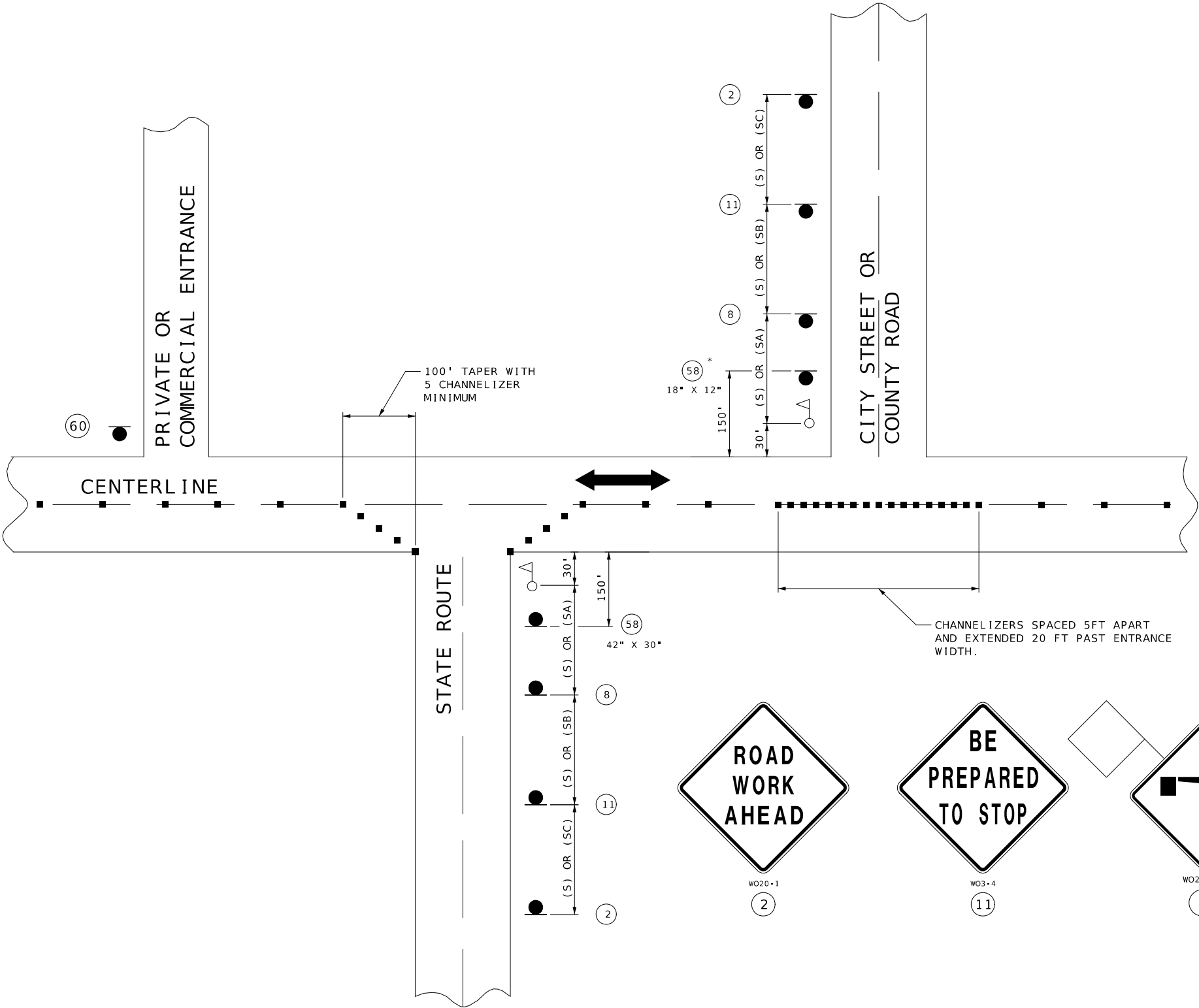
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



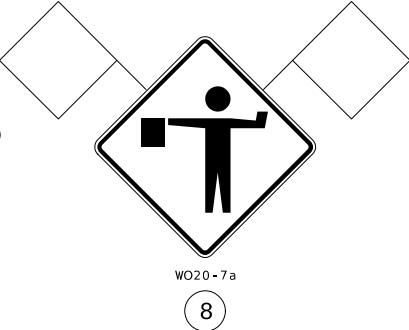
SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
PERMANENT POSTED (MPH)		
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

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

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

- - CHANNELIZERS (AS SPECIFIED)
- △ - FLAGGER

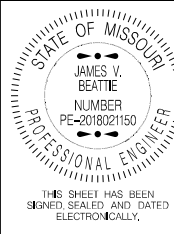


SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

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

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

NOT TO SCALE



DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 9
COUNTY PULASKI	
JOB NO. J553352	
CONTRACT ID.	

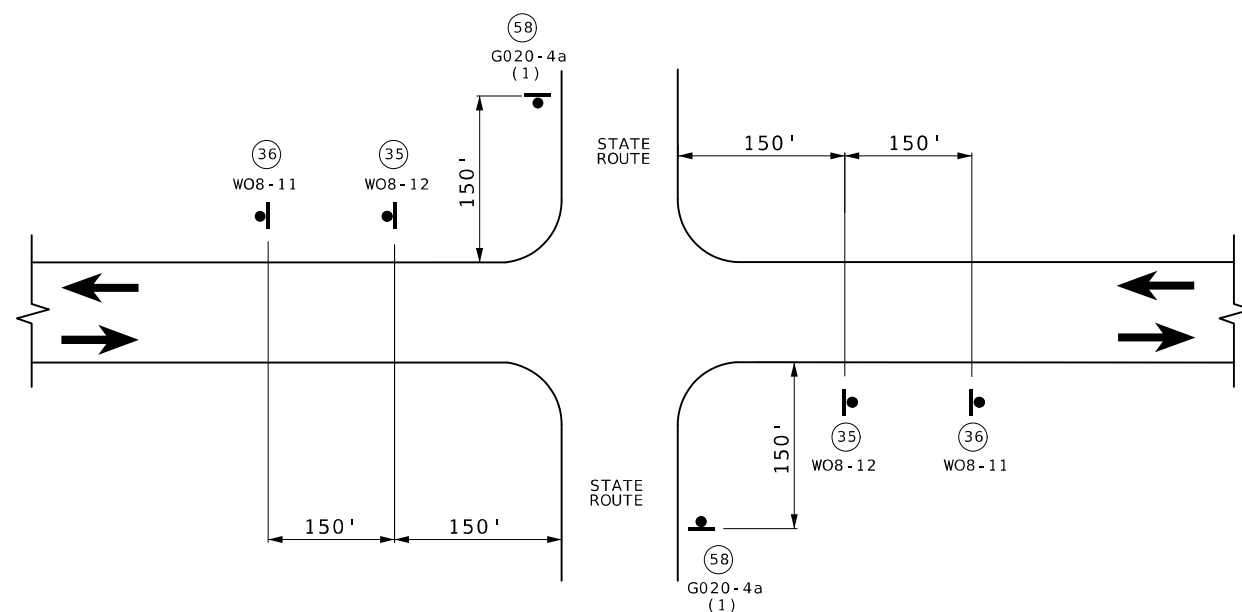
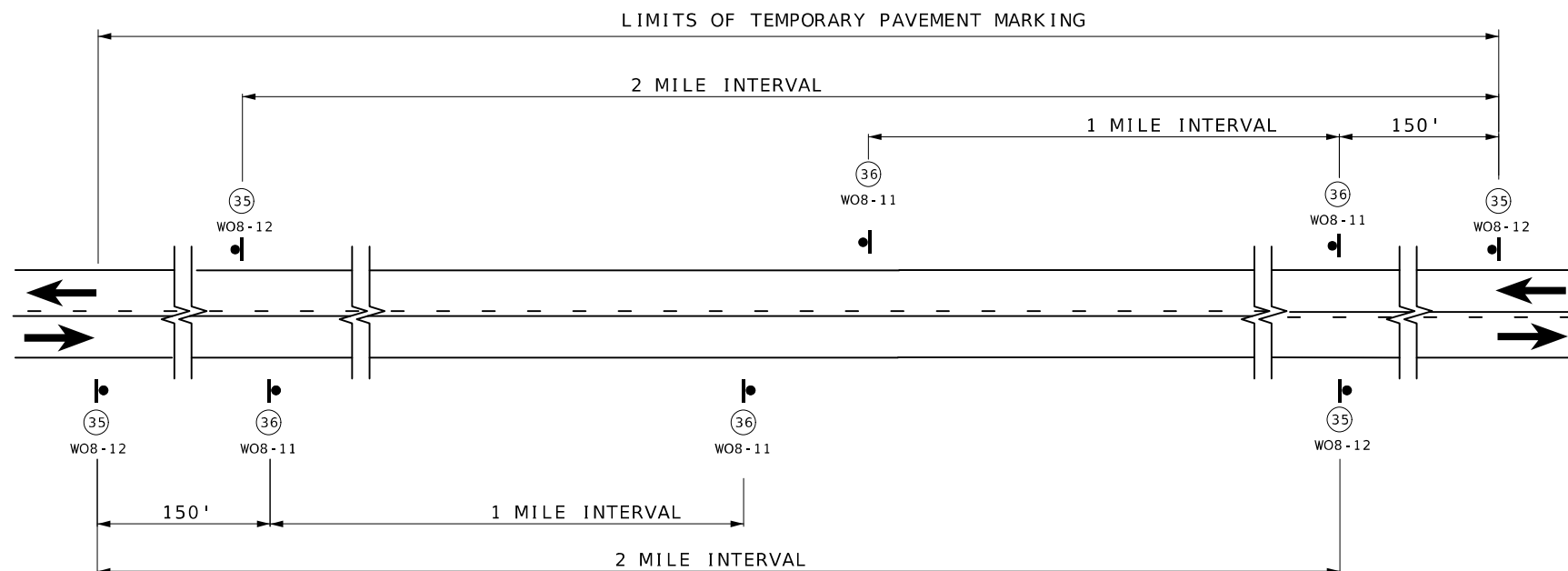
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



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



NOTES :

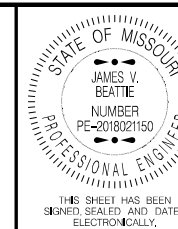
SIGN 35 AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS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

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

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

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 5



DATE PREPARED _____

ROUTE	STATE
O/W/Y	MO
DISTRICT	SHEET
CD	10

COUNTY
PULASKI

JOB NO.
1553352

7555552
CONTRACT ID

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

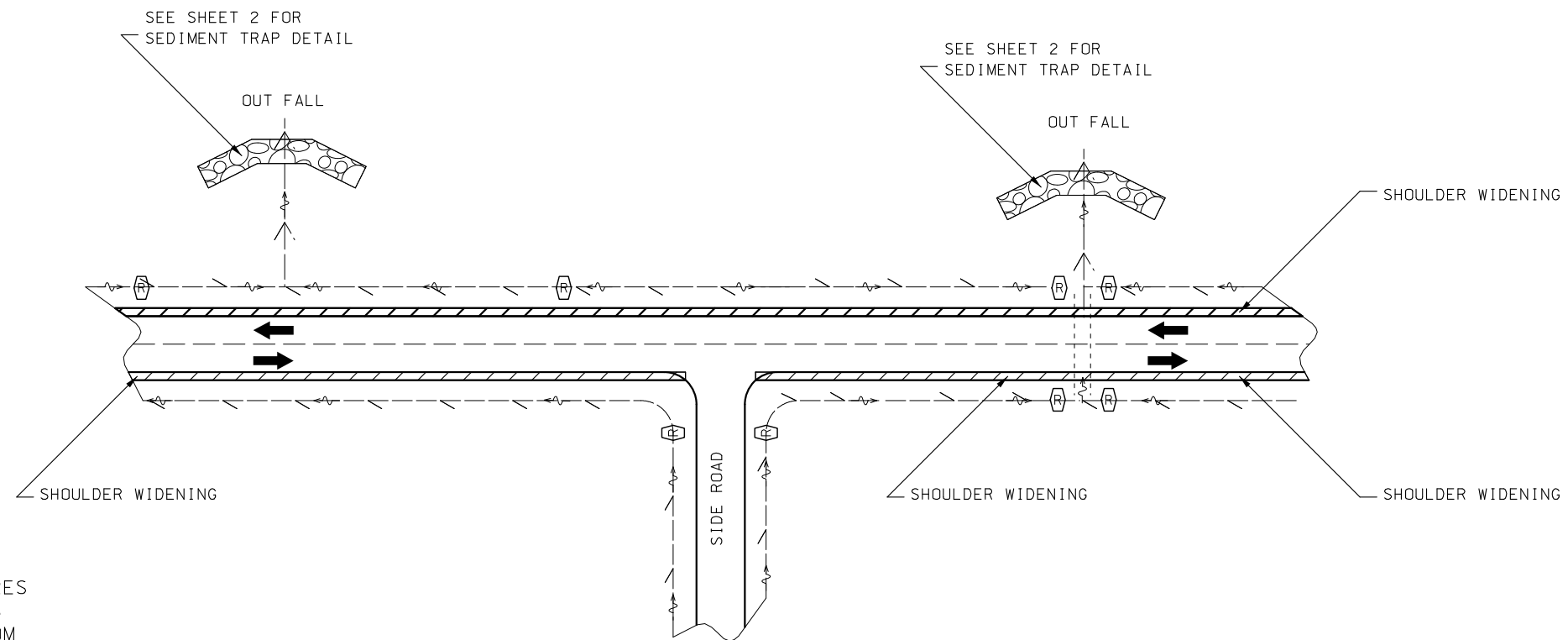
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NOT TO SCALE

TRAFFIC CONTROL
SHEET 5 OF 5

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.




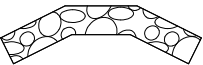

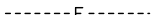


GENERAL NOTES:

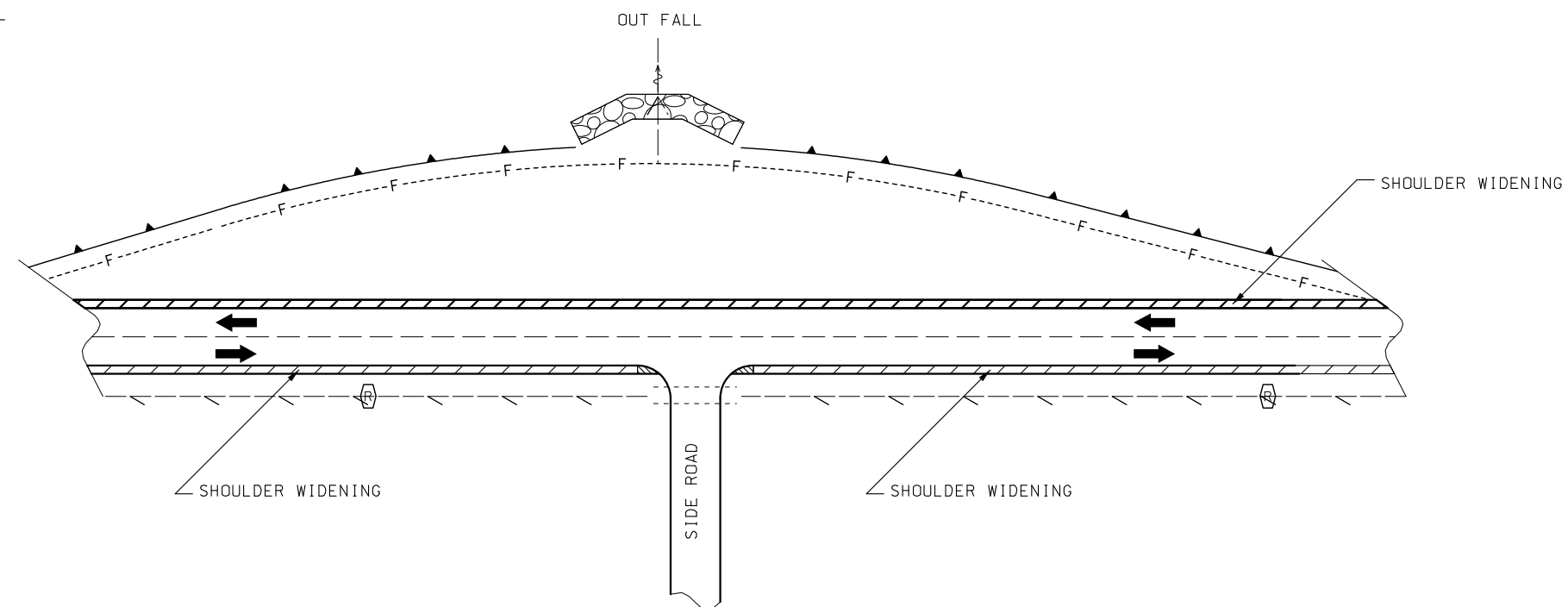
1) ALL TEMPORARY EROSION CONTROL MEASURES TO BE PLACED IN A LOCATION THAT PREVENTS SEDIMENT FROM ENTERING ANY STREAM OR FROM LEAVING THE RIGHT OF WAY. EXACT SIZE AND LOCATION OF ALL TEMPORARY EROSION CONTROL MEASURES TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

2) SILT FENCE MAY BE OMITTED FROM HIGH FILL LOCATIONS WHEN A 10' STRIP OF VEGETATION IS AVAILABLE BETWEEN THE WORK AND THE DRAINAGE COURSE AND WITH ENGINEER APPROVAL.

3) REFER TO JOB SPECIAL PROVISIONS AND STANDARD PLAN 806.10 FOR ALL TEMPORARY EROSION CONTROL MEASURES.

TEMPORARY EROSION CONTROL LEGEND

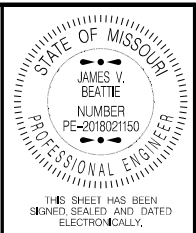
-  ROCK OR ALTERNATE DITCH CHECK
-  SEDIMENT TRAP
-  SILT FENCE
-  EXISTING FILL SLOPE
-  EXISTING "V" DITCH
-  EXISTING CULVERT



RTE. Y LOG MILE 3.767 TO LOG MILE 5.970

NOT TO SCALE

EROSION CONTROL SHEET
ROUTE Y DETAILS
SHEET 1 OF 2




DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 12
COUNTY PULASKI	
JOB NO. J553352	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

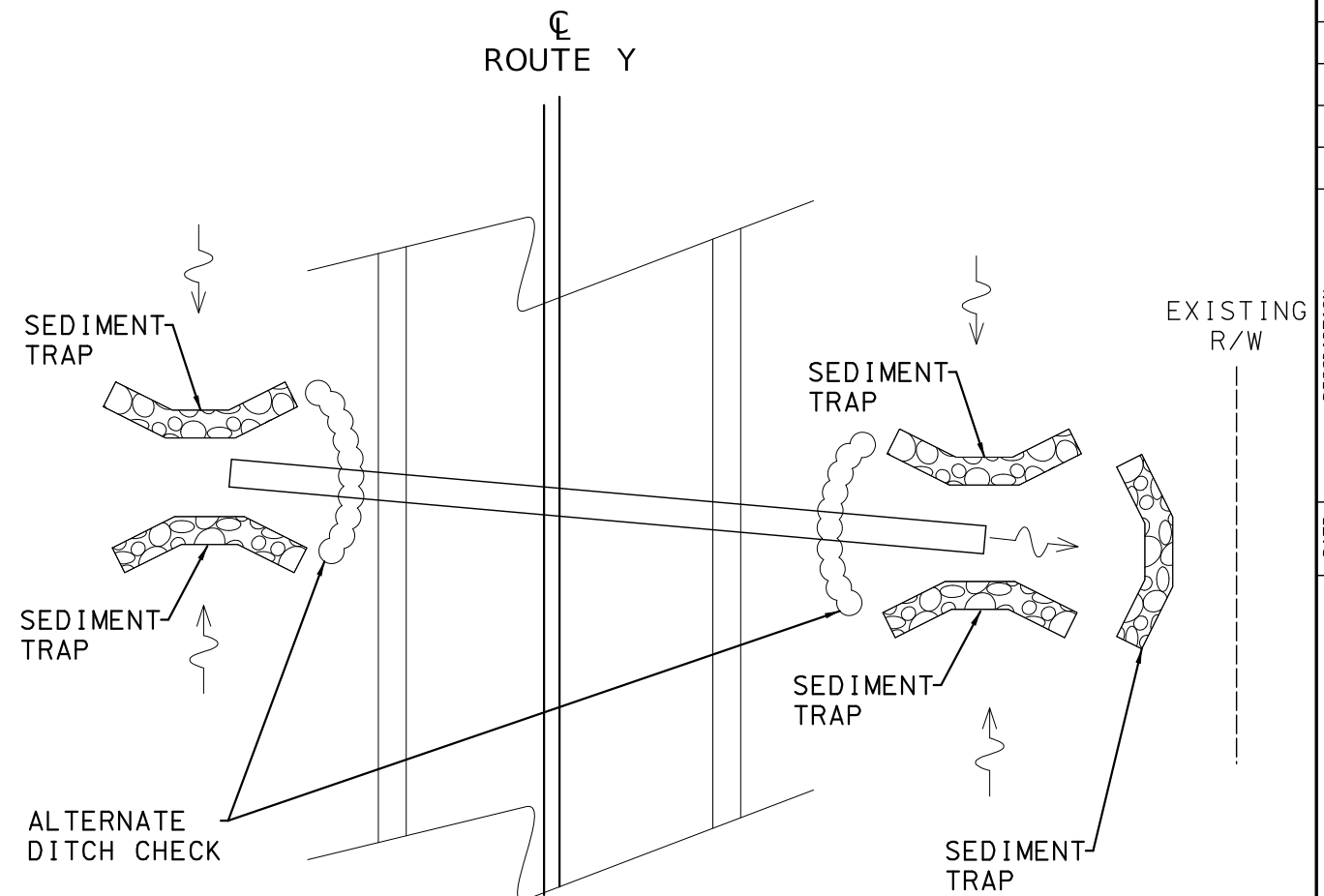
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SMALL DRAINAGE
STRUCTURE CROSSINGS
PLACING DETAILS

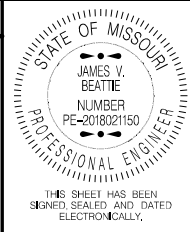


EROSION CONTROL SHEET
ROUTE Y DETAILS
SHEET 2 OF 2

[illegible]

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PULASKI COUNTY SIGNS			U-CHANNEL POST, 3LB 9031250A	
SIGN LOCATION #	LOCATION	LOG MILE	POST QUANTITY	POST SIZE 14' EACH
			EACH	LF
1	ROUTE Y	0.06	9	126
2	ROUTE Y	0.35	9	126
3	ROUTE Y	1.35	7	98
4	ROUTE Y	1.46	10	140
5	ROUTE Y	2.34	13	182
6	ROUTE Y	3.17	7	98
7	ROUTE Y	3.25	5	70
8	ROUTE Y	3.40	7	98
9	ROUTE Y	3.55	8	112
10	ROUTE Y	4.29	10	140
		TOTAL		1190



DATE PREPARED 8/7/2023	
ROUTE O/W/Y	STATE MO
DISTRICT CD	SHEET NO. 14
COUNTY PULASKI	
JOB NO. J553352	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

STANDARD SIGN ASSEMBLIES			
SIGN LOCATION NO.	LOG MILE	LOCATION	TYPE
			SHF – FLAT SHEET FLUORESCENT
			SIGN DESCRIPTION, SIZES & NUMBER – QTY. (EA)
			 W1-8D 18"x24"
1	0.06	ROUTE Y	9
2	0.35	ROUTE Y	9
3	1.35	ROUTE Y	7
4	1.46	ROUTE Y	10
5	2.34	ROUTE Y	13
6	3.17	ROUTE Y	7
7	3.25	ROUTE Y	5
8	3.40	ROUTE Y	7
9	3.55	ROUTE Y	8
10	4.29	ROUTE Y	10
		TOTAL	85

SIGN SUMMARY				
STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	QTY.	SIZE, TYPE & SQUARE FEET	
			SIZE	FLAT SHEET FLUORESCENT, SHF ITEM NO. 9035069A SF
DOUBLE-SIDED CHEVRON (W1-8D)	STD	85	18" X 24"	255
			TOTAL	255

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.