DESIGN DESIGNATION
CAMDEN COUNTY - ROUTE F

A.A.D.T.(CONST) - 2027 = 6,892
A.A.D.T.(DESIGN) - 2047 = 9,182
T = 10.5 %
V = 45/55 M.P.H.

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL/COLLECTOR

DESIGN DESIGNATION
CAMDEN COUNTY - ROUTE TT

A.A.D.T.(CONST) - 2027 = 3,910
A.A.D.T.(DESIGN) - 2047 = 4,724
T = 11 %
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL/MAJOR COLLECTOR

DESIGN DESIGNATION
CAMDEN COUNTY - ROUTE MM

A.A.D.T.(CONST) - 2027 = 5,021
A.A.D.T.(DESIGN) - 2047 = 7,717
T = 11.5 %
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

DESIGN DESIGNATION
MORGAN COUNTY - ROUTE O

A.A.D.T.(CONST) - 2027 = 5,133
A.A.D.T.(DESIGN) - 2047 = 6,387
T = 9 %
V = 50 M.P.H.

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

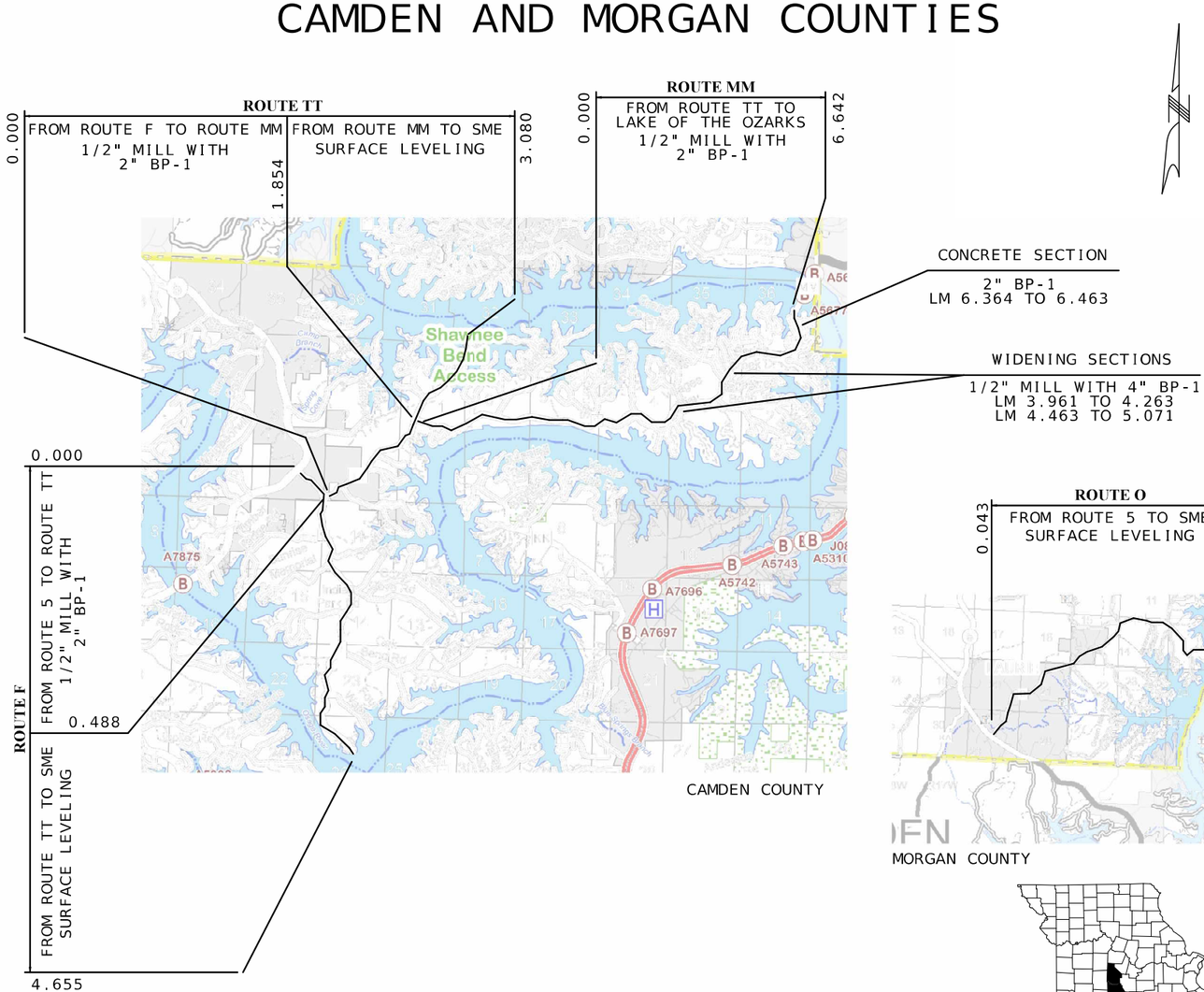
NO NEW R/W REQUIRED

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	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET		
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
CAMDEN AND MORGAN COUNTIES



NOT TO SCALE



KEY MAP
LOCATION OF CAMDEN
& MORGAN COUNTIES

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) (5 SHEETS)	2
QUANTITIES (QU) (10 SHEETS)	3
SPECIAL SHEETS (SS)	4-14
TRAFFIC CONTROL SHEETS (TC)	15-20
SIGNING (SN)	21-22

LENGTH OF PROJECT
CAMDEN COUNTY - ROUTE F

BEGINNING OF PROJECT	LOG MILE 0.000
END OF PROJECT	LOG MILE 4.655
APPARENT LENGTH	24,578.40 FEET
EQUATIONS AND EXCEPTIONS:	NONE

LENGTH OF PROJECT
CAMDEN COUNTY - ROUTE TT

BEGINNING OF PROJECT	LOG MILE 0.000
END OF PROJECT	LOG MILE 3.080
APPARENT LENGTH	16,262.40 FEET
EQUATIONS AND EXCEPTIONS:	NONE

LENGTH OF PROJECT
CAMDEN COUNTY - ROUTE MM

BEGINNING OF PROJECT	LOG MILE 0.000
END OF PROJECT	LOG MILE 6.642
APPARENT LENGTH	35,069.76 FEET
EQUATIONS AND EXCEPTIONS:	NONE

LENGTH OF PROJECT
MORGAN COUNTY - ROUTE O

BEGINNING OF PROJECT	LOG MILE 0.043
END OF PROJECT	LOG MILE 6.474
APPARENT LENGTH	33,955.68 FEET
EQUATIONS AND EXCEPTIONS:	NONE

TOTAL CORRECTIONS	0	FEET
NET LENGTH OF PROJECT	109,866.24	FEET
STATE LENGTH	20.808	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 12:41:17 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

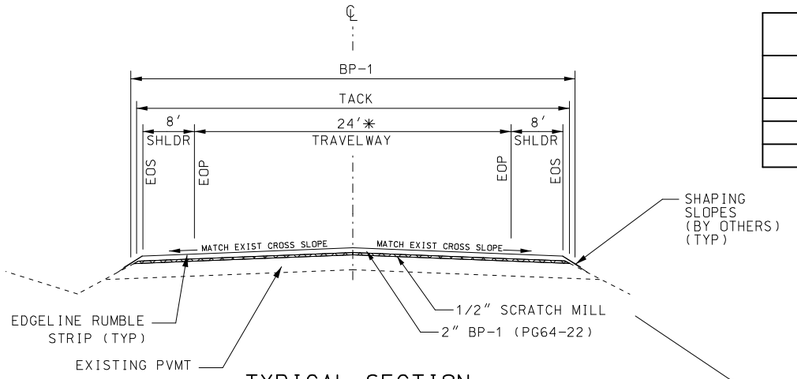
DATE PREPARED: 6/17/2026
ROUTE: VAR | STATE: MO
DISTRICT: CD | SHEET NO.: 1
COUNTY: CAMDEN/MORGAN
JOB NO.: JCD0178
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

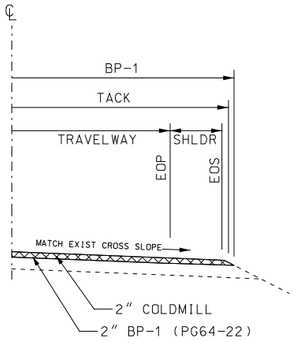
BITUMINOUS PAVEMENT MIXTURE BP-1 PG64-22	1.948 TON/YD³
BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)	1.987 TON/YD³
TACK COAT (NEW SURFACE)	.05 GAL/YD²
TACK COAT (OVERLAY)	.08 GAL/YD²
TACK COAT (COLDMILLING)	.10 GAL/YD²

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

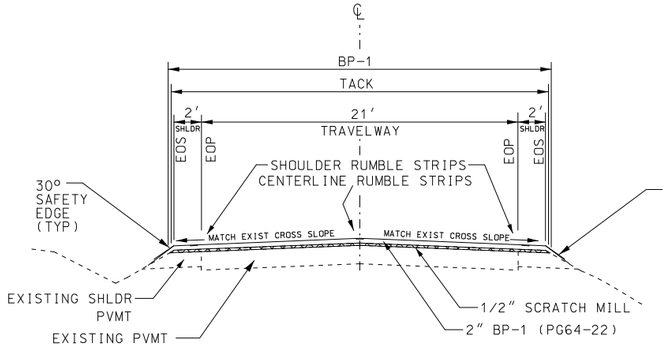


TYPICAL SECTION
ROUTE F (CAMDEN COUNTY)
ROUTE F APPROX. LOG MILE 0.000 – 0.198

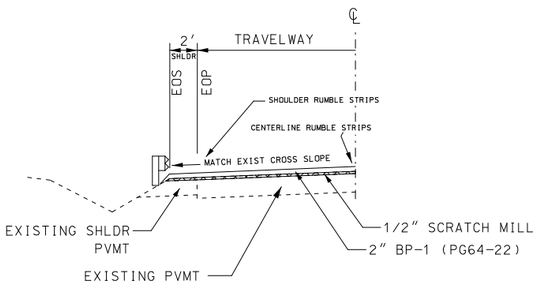
✳ LOG MILE 0.029 – 0.070 VARIES 30′ TO 24′
LOG MILE 0.070 – 0.198 VARIES 24′ TO 26′



ROUTE F APPROX. LOG MILE 0.000 – 0.022

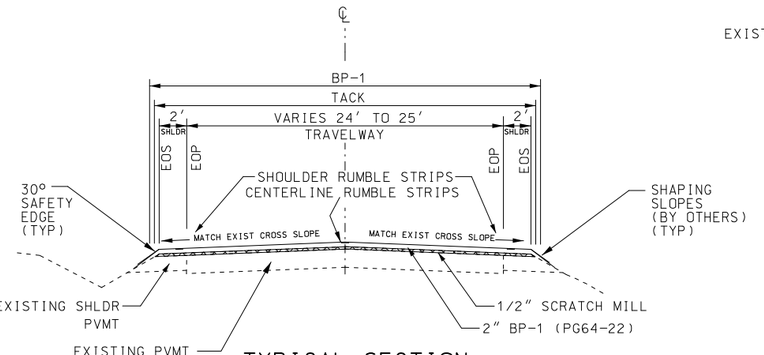


TYPICAL SECTION
ROUTE F (CAMDEN COUNTY)
ROUTE F APPROX. LOG MILE 0.217 – 0.492

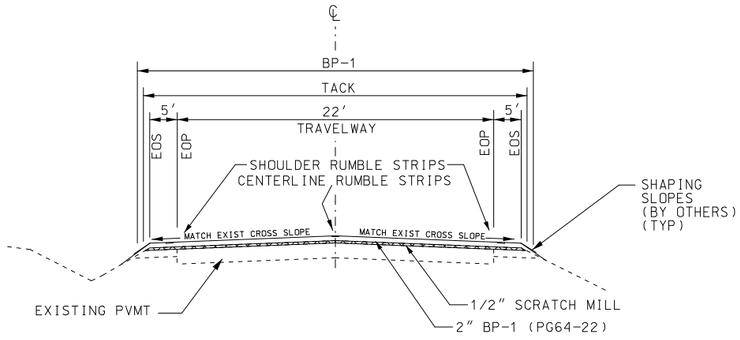


TYPICAL SECTION
ROUTE TT (CAMDEN COUNTY)
GUARDRAIL SECTION

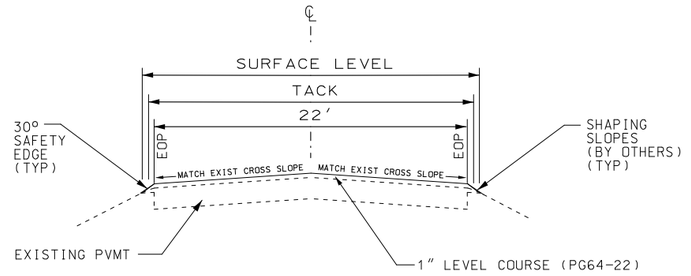
✳ LOG MILE 1.054 TO 1.165 LT



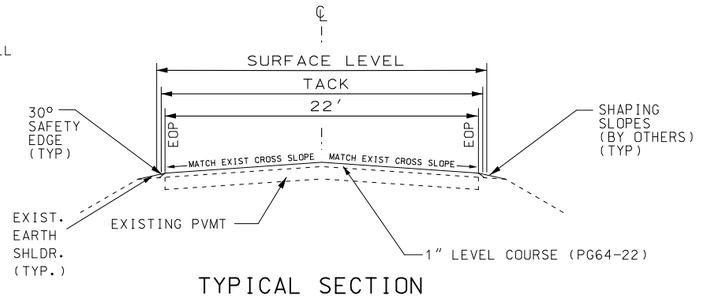
TYPICAL SECTION
ROUTE TT (CAMDEN COUNTY)
ROUTE TT APPROX. LOG MILE 0.000 – 1.850



TYPICAL SECTION
ROUTE F (CAMDEN COUNTY)
ROUTE F APPROX. LOG MILE 0.198 – 0.217



TYPICAL SECTION
ROUTE F (CAMDEN COUNTY)
ROUTE F APPROX. LOG MILE 0.492 – 4.665



TYPICAL SECTION
ROUTE TT (CAMDEN COUNTY)
ROUTE TT APPROX. LOG MILE 1.850 – 3.080

TYPICAL SECTION SHEET
ROUTE F AND ROUTE TT
SHEET 1 OF 5

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22/2026 12:43:03 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

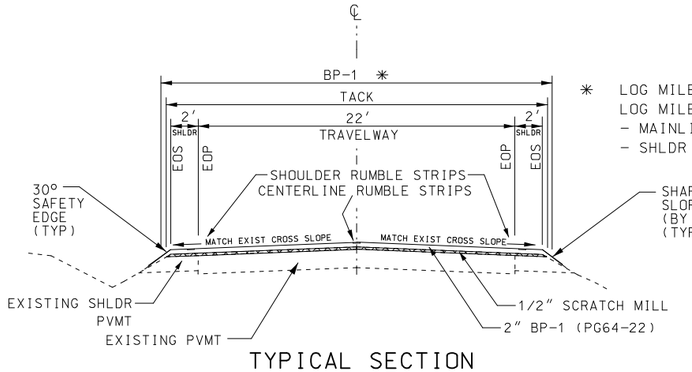
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

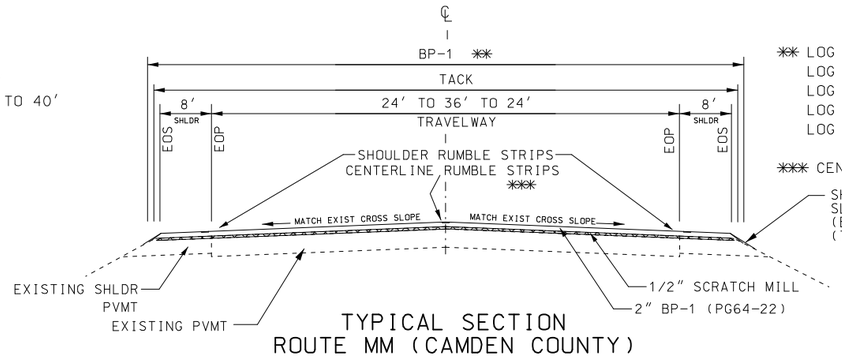
DESCRIPTION	DATE

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



✳ LOG MILE 0.000 TO 2.956 – AVG. 27′
LOG MILE 2.956 – 3.065 VARIES 26′ TO 40′
– MAINLINE – 22′ TO 24′
– SHLDR – 2′ TO 8′(LT & RT)

TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
ROUTE MM APPROX. LOG MILE 0.000 – 3.065

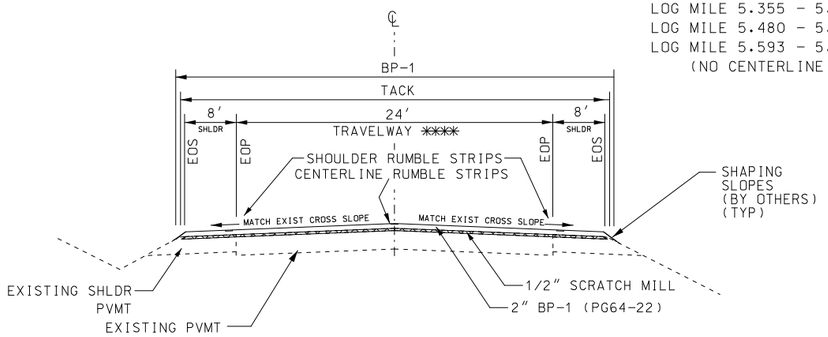


✳✳ LOG MILE 3.065 – 3.140 VARIES 40′ TO 46′
LOG MILE 3.140 – 3.255 VARIES 46′ TO 48′
LOG MILE 3.255 – 3.290 48′
LOG MILE 3.290 – 3.322 VARIES 60′ TO 46′
LOG MILE 3.322 – 3.380 VARIES 46′ TO 40′

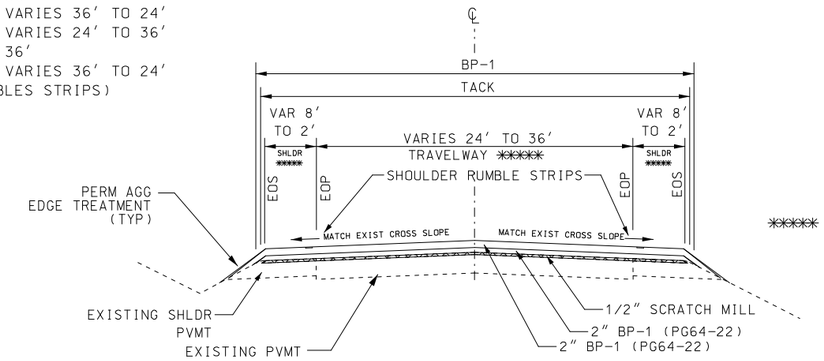
✳✳✳ CENTERLINE RUMBLES STOP AT LOG MILE 3.140

TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
ROUTE MM APPROX. LOG MILE 3.065 – 3.380

TRAVELWAY WIDTHS
✳✳✳✳ LOG MILE 4.763 – 4.871 VARIES 24′ TO 36′
LOG MILE 4.871 – 4.962 36′
LOG MILE 4.962 – 5.071 VARIES 36′ TO 24′
LOG MILE 5.355 – 5.480 VARIES 24′ TO 36′
LOG MILE 5.480 – 5.593 36′
LOG MILE 5.593 – 5.718 VARIES 36′ TO 24′
(NO CENTERLINE RUMBLES STRIPS)



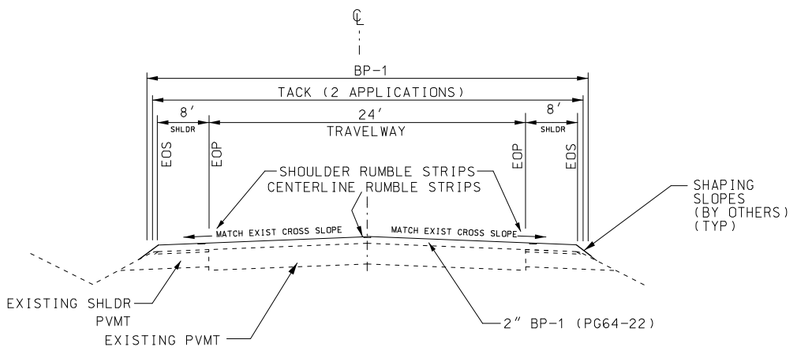
TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
ROUTE MM APPROX. LOG MILE 3.380 – 3.961
ROUTE MM APPROX. LOG MILE 4.263 – 4.463
ROUTE MM APPROX. LOG MILE 5.071 – 6.350



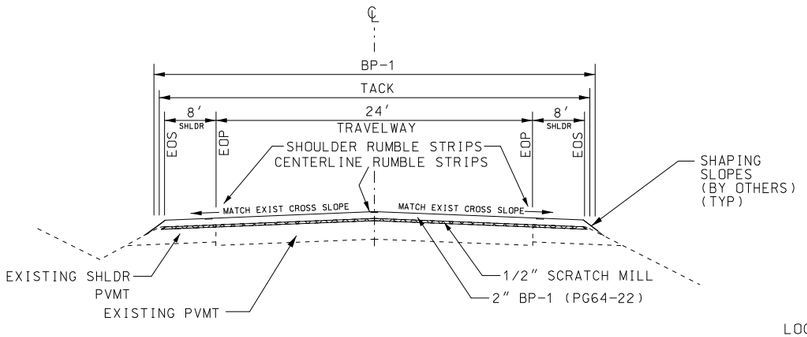
TRAVELWAY WIDTHS
✳✳✳✳✳ LOG MILE 3.961 – 4.069 VARIES 24′ TO 36′
LOG MILE 4.069 – 4.154 36′
LOG MILE 4.154 – 4.263 VARIES 36′ TO 24′
LOG MILE 4.463 – 4.588 VARIES 24′ TO 36′
LOG MILE 4.588 – 4.616 36′
LOG MILE 4.616 – 4.741 VARIES 36′ TO 24′
LOG MILE 4.741 – 4.763 24′
LOG MILE 4.763 – 4.871 VARIES 24′ TO 36′
LOG MILE 4.871 – 4.962 36′
LOG MILE 4.962 – 5.071 VARIES 36′ TO 24′
(NO CENTERLINE RUMBLE STRIPS)

SHOULDER WIDTHS
✳✳✳✳✳ LOG MILE 3.961 – 4.069 VARIES 8′ TO 2′
LOG MILE 4.069 – 4.154 2′
LOG MILE 4.154 – 4.263 VARIES 2′ TO 8′
LOG MILE 4.463 – 4.588 VARIES 8′ TO 2′
LOG MILE 4.588 – 4.616 2′
LOG MILE 4.616 – 4.741 VARIES 2′ TO 8′
LOG MILE 4.741 – 4.763 8′
LOG MILE 4.763 – 4.871 VARIES 8′ TO 2′
LOG MILE 4.871 – 4.962 2′
LOG MILE 4.962 – 5.071 VARIES 2′ TO 8′

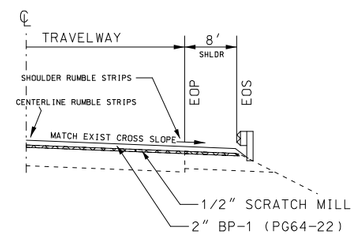
TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
ROUTE MM APPROX. LOG MILE 3.961 – 4.263
ROUTE MM SPPROX. LOG MILE 4.463 – 5.071



TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
ROUTE MM APPROX. LOG MILE 6.350 – 6.463



TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
ROUTE MM APPROX. LOG MILE 6.463 – 6.642



TYPICAL SECTION
ROUTE MM (CAMDEN COUNTY)
GUARDRAIL SECTION

LOG MILE 4.120 TO 4.210 RT (VILLAGES BLVD)
LOG MILE 6.516 TO 6.642 RT (OSAGE RIVER BRIDGE)
LOG MILE 6.520 TO 6.642 LT (OSAGE RIVER BRIDGE)

TYPICAL SECTION SHEET
ROUTE MM
SHEET 2 OF 5

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 12:43:20 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

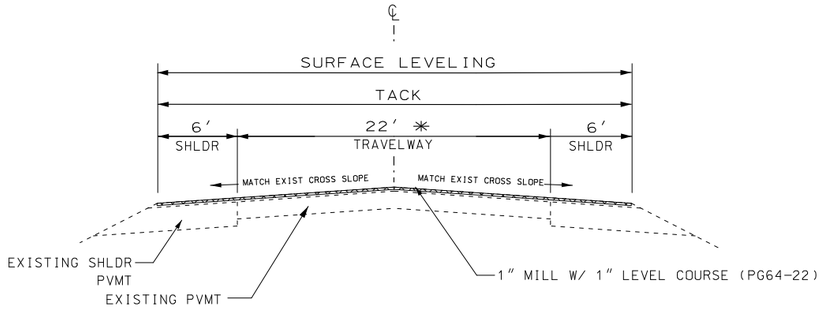
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

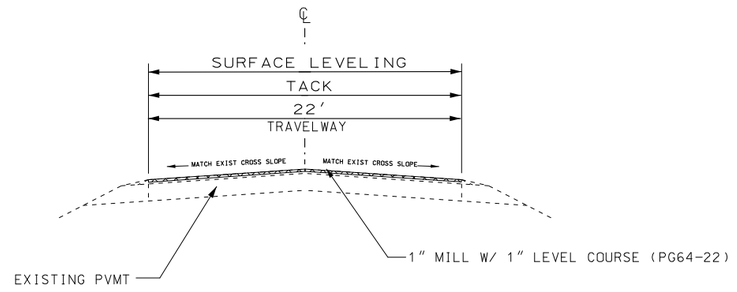
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



TYPICAL SECTION
ROUTE O (MORGAN COUNTY)

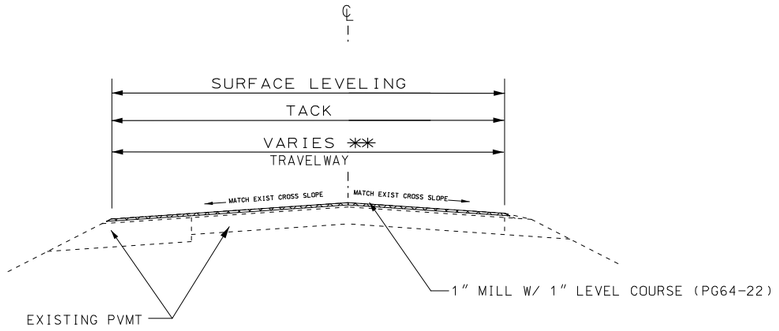
ROUTE O APPROX. LOG MILE 0.045 – 0.063

✳ VARIES 34′ TO 22′ (FULL WIDTH)



TYPICAL SECTION
ROUTE O (MORGAN COUNTY)

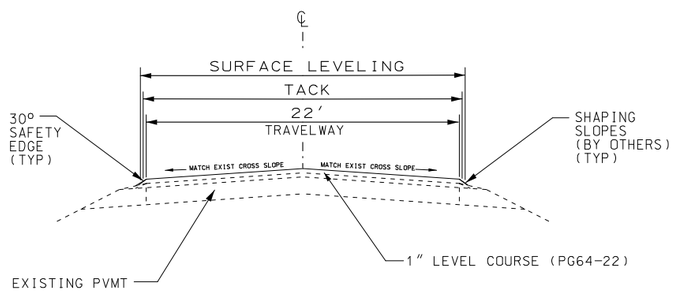
ROUTE O APPROX. LOG MILE 0.063 – 0.473



TYPICAL SECTION
ROUTE O (MORGAN COUNTY)

ROUTE O APPROX. LOG MILE 0.473 – 0.583

✳ VARIES 32′ TO 22′ (FULL WIDTH)



TYPICAL SECTION
ROUTE O (MORGAN COUNTY)

ROUTE O APPROX. LOG MILE 0.583 – 6.474

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/22/2026 12:43:36 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED: 6/17/2026

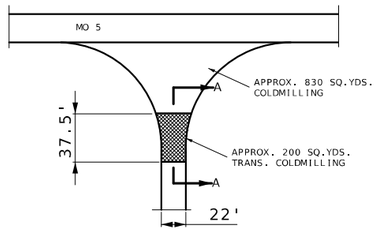
ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
CD	2

COUNTY: CAMDEN / MORGAN
JOB NO.: JCD0178
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

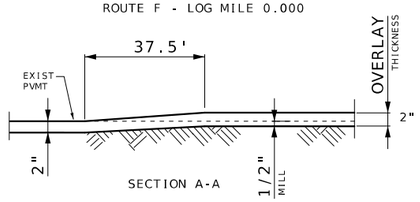
DESCRIPTION	DATE

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

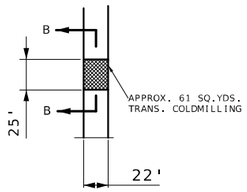


STATE ROUTE JUNCTION

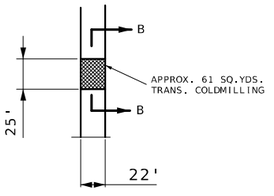
ROUTE F - LOG MILE 0.000



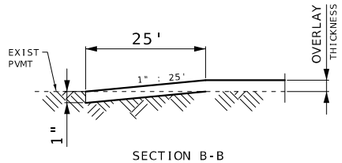
SECTION A-A



ROUTE TT - LOG MILE 3.080 - 25'
RFOUTE O - LOG MILE 0.583 - 25'

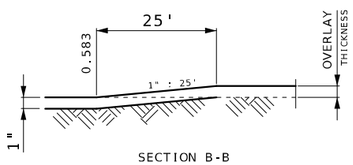


ROUTE O - LOG MILE 6.478 - 25'



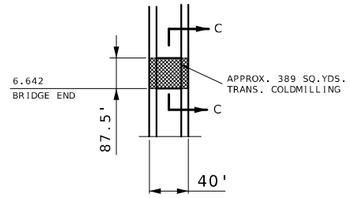
SECTION B-B

ROUTE TT - LOG MILE 3.080 - 25'
ROUTE O - LOG MILE 6.478 - 25'

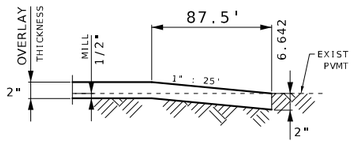


SECTION B-B

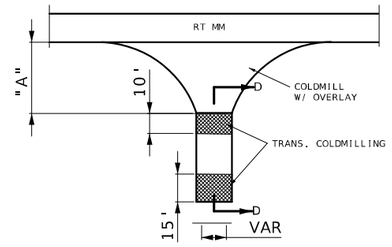
ROUTE O - LOG MILE 0.583 - 25'



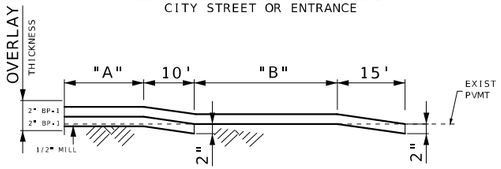
ROUTE MM - LOG MILE 6.642 - 37.5'



SECTION C-C (ROUTE MM)



ASPHALT SIDE ROAD, COUNTY ROAD,
CITY STREET OR ENTRANCE



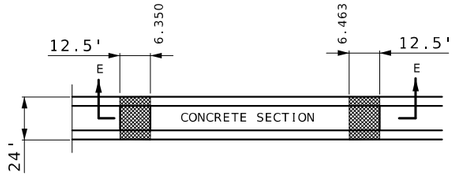
SECTION D-D

ROUTE MM - "A"

RIDGE CIR - 40'
SHAWNEE BEND RD - 60'
GRANDS POINT BLVD - 55'
SPRING CREEK DR - 30'

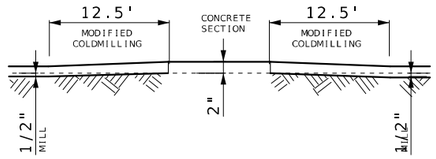
ROUTE MM - "B"

RIDGE CIR - 525'
SHAWNEE BEND RD - 255'
GRANDS POINT BLVD - 80'
SPRING CREEK DR - 0'



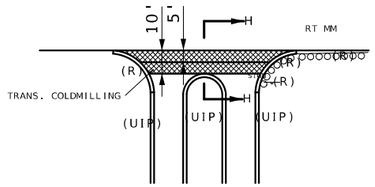
CONCRETE SECTION

ROUTE MM - LOG MILE 6.350 - 12.5'
ROUTE MM - LOG MILE 6.463 - 12.5'



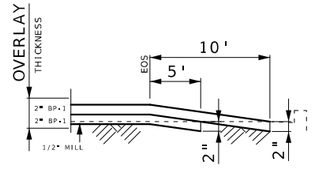
SECTION E-E

TRAVELWAY MODIFIED COLDMILLING

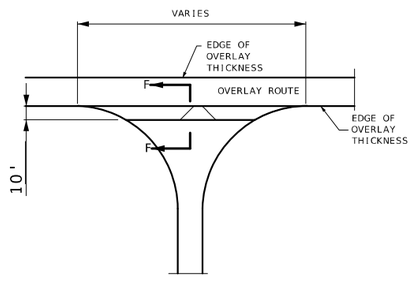


VILLAGES BLVD

SEE SPECIAL SHEETS AND JSP'S FOR REMOVALS



SECTION H-H



TYPICAL SIDE ROAD, COUNTY ROAD OR
CITY STREET JUNCTION
* 10' UNLESS OTHERWISE NOTED
(SEE LIST)

ROUTE F

OAK BEND RD

ROUTE TT

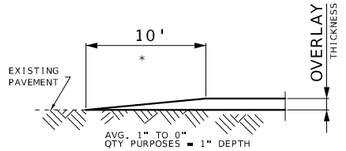
WOODRIDGE ESTATES
CRANE COVE DR
BILL RUBYS DR
ELEVEN W DR

ROUTE MM

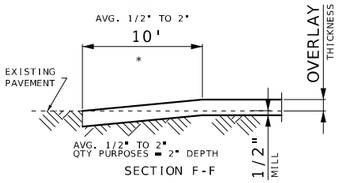
SPRUCE LN
RESPLANDER ST

ROUTE O

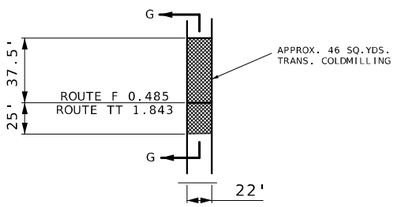
MARKUM RD
GREEN HILLS RD
EAGLE AVE
INDIAN LAKE AVE
LAKEWOOD DR
BUCK CREEK RD
OLD EIGHT RD
TOWERING OAK LN
SADDLE RD
PELICAN POINT RD
GOLDEN OAKS
TRIANGLE COVE RD
WORLEY RD
DUNWANDRIN RD
MILLSTONE ESTATES
TONYS POINT

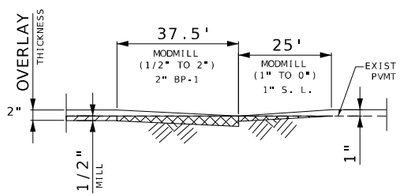


SECTION F-F

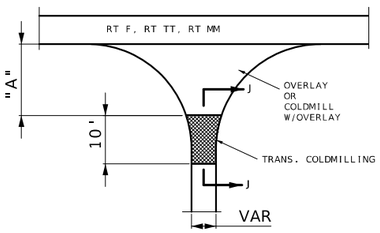


SECTION F-F

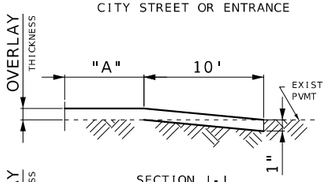




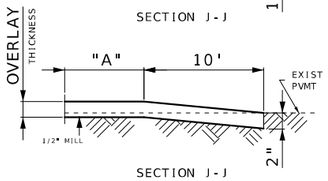
SECTION G-G



ASPHALT SIDE ROAD, COUNTY ROAD,
CITY STREET OR ENTRANCE



SECTION J-J



SECTION J-J

"A" DIMENSIONS

ROUTE F

CRABAPPLE PASS - 40'
KINCHLOW DR - 40'
SUNRISE MEMORIAL - 20'
COZY COVE RD - 20'
INDIAN PARK RD - 20'
FOUR WATERS - 20'

ROUTE MM

HICKORY HOLLOW - 20'
TALL OAKS RD - 20'
TALL OAKS RD - 20'
SHAWNEE BEND ONE DR - 30'
CHIMNEY POINT - 35'
SHAWNEE FOUR DR - 975'
VILLAGE WAY - 35'
LAS CAMPANAS - 40'
PORTO CIMA DR - 10'
VIA DEL LAGO DR - 40'

ROUTE TT

CRABAPPLE PASS - 40'
PISCES DR - 20'
THREE OAKS DR - 40'
SHAWNEE VIEW DR - 20'
SHAWNEE VIEW DR - 20'
POINT LOOKOUT RD - 30'
WINGS CIR - 35'
SHAWNEE BEND LAKE ACCESS - 20'

TYPICAL SECTION SHEET
PAVEMENT TRANSITION DETAILS
SHEET 4 OF 5

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:29:46 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

CONTRACT ID.

PROJECT NO.

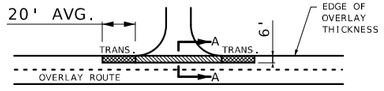
BRIDGE NO.

DESCRIPTION	DATE

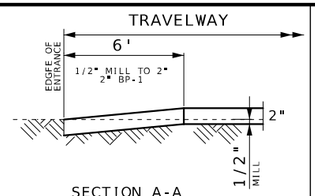
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

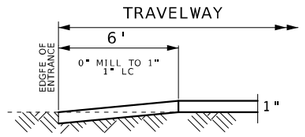
CONCRETE



TYPICAL CONCRETE ENTRANCE

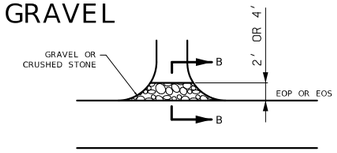


SECTION A-A
1/2" SCRATCH MILL W/ 2" BP-1

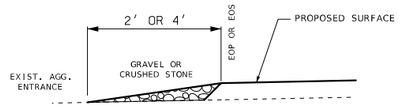


SECTION A-A
1" SURFACE LEVEL

GRAVEL



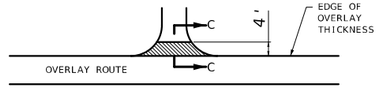
TYPICAL ENTRANCE



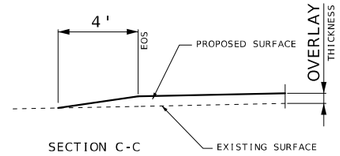
SECTION B-B
TYPICAL AGGREGATE ENTRANCE
(TAPER 1:1 AT FIELD ENTRANCES)

2' FOR PRIVATE ENTRANCES AND 4' FOR COUNTY ROADS

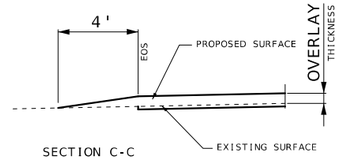
ASPHALT



TYPICAL ASHPALT ENTRANCE
(FIELD, PRIVATE ROAD)
(TAPER 1:1 AT FIELD ENTRANCES)

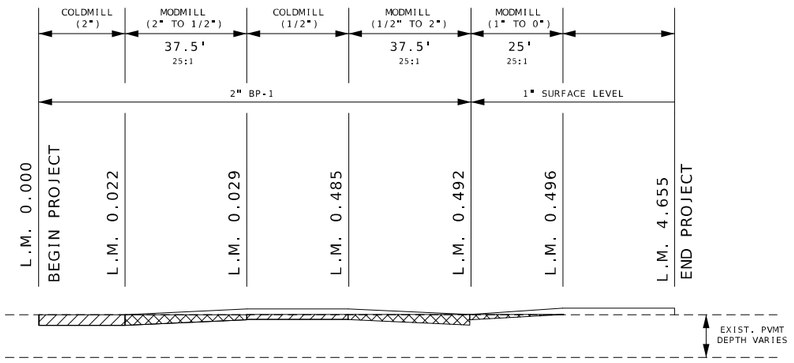


SECTION C-C
(OVERLAY)

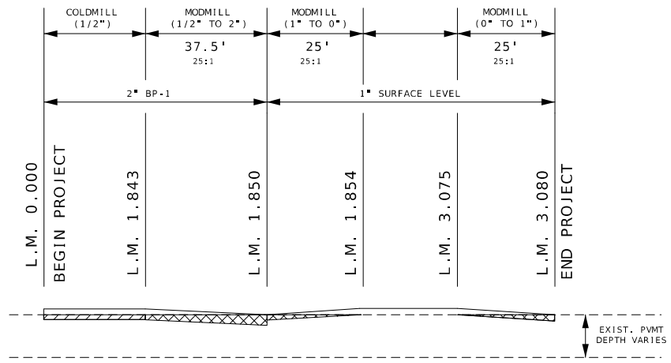


SECTION C-C
(MILL W/ OVERLAY)

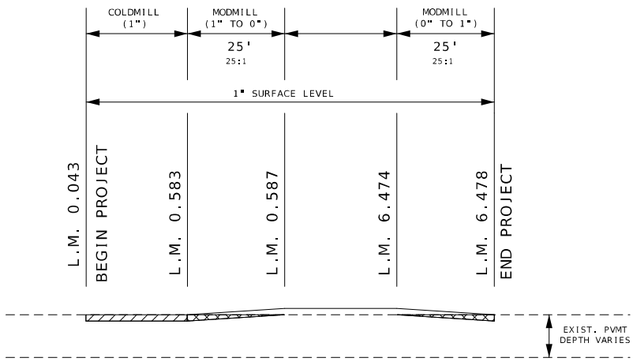
ROUTE F



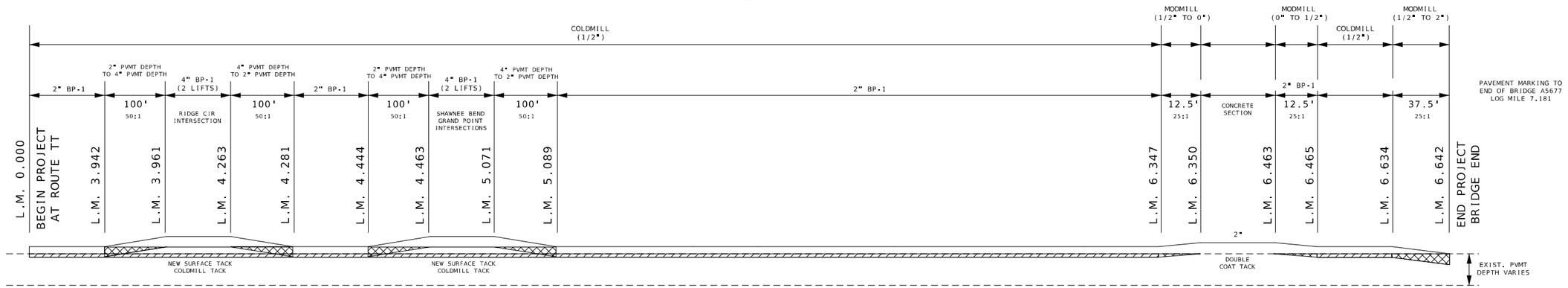
ROUTE TT



ROUTE O



ROUTE MM



COLDMILLING 3" OR LESS

MODIFIED COLDMILL

TYPICAL SECTION SHEET
PAVEMENT TRANSITION DETAILS
SHEET 5 OF 5

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22/2026 12:44:34 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

REMOVAL OF IMPROVEMENTS

LOG MILE FROM	LOG MILE TO	LOCATION	ITEM	QTY (FT)	QTY (EACH)	REMARKS
ROUTE F						
0.000		ROUTE F	LOOP DETECTORS		2	6' X 30' DETECTORS - DO NOT REPLACE
ROUTE TT						
1.071	1.108	ROUTE TT LT	GUARDRAIL	200		DAMAGED GUARDRAIL
1.774		ROUTE TT RT	SIGN		1	INCLUDES STOP AHEAD SIGN, POST , STUB AND FOOTING
1.827		ROUTE TT LT & RT	SIGNS		2	INCLUDES STOP SIGNS, 3 WAY SIGNS, POSTS, STUBS AND FOOTINGS
1.843		ROUTE TT LT	SIGN		1	INCLUDES STOP SIGN, 3 WAY SIGN, POST, STUB AND FOOTING
1.910		ROUTE TT LT	SIGN		1	INCLUDES STOP AHEAD SIGN, POST , STUB AND FOOTING
ROUTE MM						
0.010		ROUTE MM LT	SIGN		1	INCLUDES STOP SIGN, 3 WAY SIGN, POST, STUB AND FOOTING
0.089		ROUTE MM LT	SIGN		1	INCLUDES STOP AHEAD SIGN, POST , STUB AND FOOTING
4.103		ROUTE MM RT	CURB & GUTTER	45		
4.119		ROUTE MM RT	CURB & GUTTER	45		
4.119	4.219	ROUTE MM RT	GUARDRAIL	475		INCLUDES 1 END ANCHOR AND 1 - 25' TRANSITION SECTION (UIP CET)
4.119		ROUTE MM RT	WOODEN STOP SIGN		1	REPLACE WITH NEW SIGN AND POST - SEE JSP FOR REMOVAL AND DELIVERY
			TOTAL	1 LUMP SUM		SEE SPECIAL SHEETS & JSP'S FOR REMOVAL DETAILS

GRAVEL (A), CRUSHED STONE (B)

LOG MILE FROM	LOG MILE TO	LOCATION	WIDTH (FT)	THICKNESS (IN (AVG.))	GRAVEL, CRUSHED STONE (TON)	REMARKS
ROUTE F						
0.000	4.655	ROUTE F LT. & RT.	2	1	225	GRAVEL ENTRANCES FROM BEGIN TO END RT
0.000	4.655	ROUTE F LT. & RT.	2	1	120.0	GRAVEL COUNTY AND SIDE ROADS FROM BEGIN TO END RT
				TOTAL	345	
ROUTE TT						
0.000	3.080	ROUTE TT LT. & RT.	2	1	65	GRAVEL ENTRANCES FROM BEGIN TO END RT
0.000	3.080	ROUTE TT LT. & RT.	2	1	90	GRAVEL COUNTY AND SIDE ROADS FROM BEGIN TO END RT
				TOTAL	155	
ROUTE MM						
0.020	0.050	ROUTE MM LT.	6	1	10	WIDENING AT INTERSECTION - 6' WIDE
0.020	0.043	ROUTE MM RT.	6	1	10	WIDENING AT INTERSECTION - 6' WIDE
0.000	7.181	ROUTE MM LT. & RT.	2	1	45	GRAVEL ENTRANCES FROM BEGIN TO END RT
0.000	7.181	ROUTE MM LT. & RT.	2	1	20	GRAVEL COUNTY AND SIDE ROADS FROM BEGIN TO END RT
3.277		SHAWNEE FOUR DR	2	1	15	GRAVEL ENTRANCES
4.111		RIDGE CIRCLE	2	1	5	GRAVEL ENTRANCE
4.596		SHAWNEE BEND RD	16	1	60	SHLOULDERS - AVG 8' WIDE (EACH SIDE)
4.917		GRAND POINT BLVD	16	1	20	SHLOULDERS - AVG 8' WIDE (EACH SIDE)
				TOTAL	185	
ROUTE O						
0.045	6.474	ROUTE O LT. & RT.	2	1	285	GRAVEL ENTRANCES FROM BEGIN TO END RT
0.045	6.474	ROUTE O LT. & RT.	2	1	140	GRAVEL COUNTY AND SIDE ROADS FROM BEGIN TO END RT
				TOTAL	425	
				TOTAL	1,110	
				USE	1,110	

SUMMARY OF QUANTITIES
SHEET 1 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 12:58:33 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

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 TREATMENT

LOG MILE FROM	LOG MILE TO	LENGTH (MI)	LENGTH (FT)	WIDTH (FT)	THICKNESS (FT)	(SY)	(CY)	FACTOR (TONS/CY)	BP-1 (T)	SURF. LEVEL (T)	TACK (GAL)	REMARKS
ROUTE F												
0.000	0.029	0.029	153.1	VAR	0.167	114.4	6.7	1.948	13.13		11.4	BEGINNING OF ROUTE AT MO 5
0.029	0.070	0.041	216.5	43	0.167	1,034.4	57.6	1.948	112.20		103.4	VARIES FROM 46' TO 40'
0.070	0.198	0.128	675.8	41	0.167	3,078.6	171.4	1.948	333.89		307.9	VARIES FROM 40' TO 42'
0.198	0.217	0.019	100.3	32	0.167	356.6	19.9	1.948	38.77		35.7	
0.217	0.492	0.275	1,452.0	25	0.167	4,033.3	224.5	1.948	437.33		403.3	
0.492	4.665	4.173	22,033.4	22	0.083	53,859.4	1,490.1	1.987		2,960.83	4,308.8	
									19.57	72.25	742.4	ENTRANCES - SEE TABLE FOR DETAILS
								2% SAFETY EDGE	17.4932	118.43		
								20% IRREGULARITIES		592.17		FOR NON-MILLED AREAS
								TOTAL	972.38	3,743.68	5,912.9	SEE ENTRANCE DETAILS ON TYPICAL SHEETS
								USE	972.4	3,743.7	5,913	FOR SPECIFIC ENTRANCE
ROUTE TT												
0.000	0.006	0.006	31.7	VAR	0.167	145.0	8.07	1.948	1.75		14.5	ROUTE F AND ROUTE TT INTERSECTION
0.006	1.850	1.844	9,736.3	28.5	0.167	30,831.6	1716.3	1.948	3,343.35		3,083.2	VARIES FROM 28' TO 29'
1.850	3.080	1.23	6,494	22	0.083	15,874.2	439.2	1.987		872.69	1,269.9	
									102.91	53.12	368.4	ENTRANCES - SEE TABLE FOR DETAILS
								2% SAFETY EDGE	133.80	34.91		
								20% IRREGULARITIES		174.54		FOR NON-MILLED AREAS
								TOTAL	3,581.81	1,135.26	4,736.0	SEE ENTRANCE DETAILS ON TYPICAL SHEETS
								USE	3,581.8	1,135.3	4,736	FOR SPECIFIC ENTRANCE
ROUTE MM												
0.000	0.010	0.010	52.8	VAR	0.167	265.0	14.75	1.948	3.19		26.5	ROUTE TT AND ROUTE MM INTERSECTION
0.010	2.956	2.946	15,554.9	27	0.167	46,664.7	2,597.67	1.948	5,060.26		4,666.5	AVG. 27'
2.956	3.065	0.109	575.5	33	0.167	2,110.2	117.47	1.948	228.83		211.0	VARIES FROM 26' TO 40'
3.065	3.215	0.15	792.0	43	0.167	3,784.0	210.64	1.948	410.33		378.4	VARIES FROM 40' TO 46'
3.215	3.245	0.03	158.4	47	0.167	827.2	46.05	1.948	89.71		82.7	VARIES FROM 46' TO 48'
3.245	3.285	0.04	211.2	54	0.167	1,267.2	70.54	1.948	137.41		126.7	VARIES FROM 48' TO 60'
3.285	3.295	0.01	52.8	53	0.167	310.9	17.31	1.948	33.72		31.1	VARIES FROM 60' TO 46'
3.295	3.380	0.085	448.8	43	0.167	2,144.3	119.36	1.948	232.51		214.4	VARIES FROM 46' TO 40'
3.380	3.942	0.562	2,967.4	40	0.167	13,188.4	734.16	1.948	1,430.14		1,318.8	
3.942	3.961	0.019	100.3	40	0.167	445.8	24.81	1.948	48.33		44.6	INITIAL OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
3.942	3.961	0.019	100.3	40	0.167	445.8	24.81	1.948	48.33		22.3	2ND OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
3.961	4.263	0.302	1,594.6	40	0.167	7,087.1	394.52	1.948	768.52		708.7	INITIAL OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
3.961	4.263	0.302	1,594.6	40	0.167	7,087.1	394.52	1.948	768.52		354.4	2ND OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
4.263	4.281	0.018	95.0	40	0.167	422.2	23.50	1.948	45.78		42.2	INITIAL OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
4.263	4.281	0.018	95.0	40	0.167	422.2	23.50	1.948	45.78		21.1	2ND OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
4.281	4.444	0.163	860.6	40	0.167	3,824.9	212.92	1.948	414.77		382.5	
4.444	4.463	0.019	100.3	40	0.167	445.8	24.81	1.948	48.33		44.6	INITIAL OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
4.444	4.463	0.019	100.3	40	0.167	445.8	24.81	1.948	48.33		22.3	2ND OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
4.463	5.071	0.608	3,210.2	40	0.167	14,267.6	794.23	1.948	1,547.16		1,426.8	INITIAL OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
4.463	5.071	0.608	3,210.2	40	0.167	14,267.6	794.23	1.948	1,547.16		713.4	2ND OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
5.071	5.089	0.018	95.0	40	0.167	422.2	23.50	1.948	45.78		42.2	INITIAL OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
5.071	5.089	0.018	95.0	40	0.167	422.2	23.50	1.948	45.78		21.1	2ND OVERLAY - AVG 36' TWAY, 2' SHLDR (LT & RT)
5.089	6.350	1.261	6,658.1	40	0.167	29,591.6	1,647.26	1.948	3,208.86		2,959.2	
6.350	6.463	0.113	596.6	40	0.167	2,651.6	147.60	1.948	287.52		424.3	2 APPLICATIONS FOR TACK
6.463	6.642	0.179	945.12	40	0.167	4,200.5	233.83	1.948	455.50		420.1	
								2% SAFETY EDGE	202.54			
									1351.41		1344.0	ENTRANCES - SEE TABLE FOR DETAILS
								TOTAL	18,554.50	0.00	16,049.9	SEE ENTRANCE DETAILS ON TYPICAL SHEETS
								USE	18,554.5	0.0	16,050	FOR SPECIFIC ENTRANCE
ROUTE O												
0.045	0.063	0.018	105.0	28.0	0.083	326.7	9.0	1.987		17.88	32.7	VARIES FROM 34' TO 22'
0.063	0.473	0.41	2164.8	22	0.083	5,291.7	146.4	1.987		290.90	529.2	
0.473	0.583	0.11	580.8	27.0	0.083	1,742.4	48.2	1.987		95.77	174.2	VARIES FROM 32' TO 22' - AVG 27'
0.583	6.474	5.891	31104.5	22	0.083	76,033.2	2,103.6	1.987		4,179.85	6,082.7	
										100.53	848.8	ENTRANCES - SEE TABLE FOR DETAILS
								2% SAFETY EDGE		167.19		
								20% IRREGULARITIES		916.88		FOR NON-MILLED AREAS
								TOTAL	0.00	5,769.00	7,667.6	SEE ENTRANCE DETAILS ON TYPICAL SHEETS
								USE	0.0	5,769.0	7,668	FOR SPECIFIC ENTRANCE
								GRAND TOTAL	23,108.70	10,647.94	34,366.4	
								TOTAL USE	23,108.7	10,647.9	34,366	

SUMMARY OF QUANTITIES
SHEET 2 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 2:58:44 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE VAR | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN/MORGAN
JOB NO. JCD0178
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

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER YELLOW (FT)	4" SOLID YELLOW (FT)	8" SOLID WHITE (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LT/RT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	24" WHITE (FT)	24" YELLOW (FT)	REMARKS
ROUTE F													
0.000		ROUTE F					180.0						ISLAND MARKING
0.000	0.475	ROUTE F LT	2,508.0	2,508.0									EDGELINE
0.005		ROUTE F LT									12		STOP BAR
0.005	0.040	ROUTE F LT	184.8	184.8									LANE LINE
0.010		ROUTE F LT									12		STOP BAR
0.010	4.655	ROUTE F	24,525.6			49,051.2							CENTERLINE
0.022		ROUTE F LT						1	1				
0.022	4.655	ROUTE F RT	24,462.2	24,462.2									EDGELINE
0.040		ROUTE F LT						1	1				
0.485	4.655	ROUTE F LT	22,017.6	22,017.6									EDGELINE
			TOTAL	49,172.6	0.0	49,051.2	180.0	2	2		24	0	
ROUTE TT													
0.000	1.831	ROUTE TT LT	9,667.7	9,667.7									EDGELINE
0.006		ROUTE TT LT									12		STOP BAR
0.006	1.827	ROUTE TT RT	9,614.9	9,614.9									EDGELINE
0.006	1.835	ROUTE TT	9,657.1			19,314.2							CENTERLINE
1.827		ROUTE TT RT									12		STOP BAR
1.843		ROUTE TT LT									12		STOP BAR
1.843	3.080	ROUTE TT LT & RT	6,531.4	13,062.8		13,062.8							EDGELINES AND CENTERLINE
			TOTAL	32,345.4	0.0	32,377.0	0.0	0	0		36	0	
ROUTE O													
0.045	0.523	ROUTE O LT	2,523.8	2,523.8									EDGELINE
0.045	6.478	ROUTE O RT	33,966.2	33,966.2									EDGELINE
0.045	0.063	ROUTE O	95.0			380.0							CENTERLINE
0.063	0.221	ROUTE O	834.2			1,668.4							CENTERLINE
0.221	0.442	ROUTE O	1,166.9		291.7	1,166.9							CENTERLINE
0.442	0.473	ROUTE O	163.7			327.4							CENTERLINE
0.473	0.514	ROUTE O	216.5			866.0						32	CNTR BUBBLE WITH HASHBARS
0.514	0.531	ROUTE O	89.8			179.6							CENTERLINE
0.523		ROUTE O						1					
0.523	0.539	ROUTE O	84.5	84.5									LANE LINE
0.546	6.478	ROUTE O LT	31,321.0	31,321.0									EDGELINE
0.546	0.583	ROUTE O	195.4			781.6						30	CNTR BUBBLE WITH HASHBARS
0.583	2.059	ROUTE O	7,793.3			15,586.6							CENTERLINE
2.059	2.120	ROUTE O	322.1		80.5	322.1							CENTERLINE
2.120	2.179	ROUTE O	311.5		77.9								CENTERLINE
2.179	2.240	ROUTE O	322.1		80.5	322.1							CENTERLINE
2.240	2.360	ROUTE O	633.6			1,267.2							CENTERLINE
2.360	2.560	ROUTE O	1,056.0		264.0	1,056.0							CENTERLINE
2.560	4.918	ROUTE O	12,450.2			24,900.4							CENTERLINE
4.918	4.979	ROUTE O	322.1		80.5	322.1							CENTERLINE
4.979	5.079	ROUTE O	528.0		132.0								CENTERLINE
5.079	5.199	ROUTE O	633.6		158.4	633.6							CENTERLINE
5.199	6.478	ROUTE O	6,753.1			13,506.2							CENTERLINE
			TOTAL	67,895.5	1,165.5	63,286.2	0.0	1	0	0	0	62	

SUMMARY OF QUANTITIES
SHEET 3 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:31:17 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED: 8/3/2026

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
CD	3

COUNTY: CAMDEN/MORGAN

JOB NO.: JCD0178

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 - CONTINUED

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER YELLOW (FT)	4" SOLID YELLOW (FT)	8" SOLID WHITE (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LT/RT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	24" WHITE (FT)	24" YELLOW (FT)	REMARKS
ROUTE MM													
0.010	3.255	ROUTE MM LT	17,133.6	17,133.6									EDGELINE
0.010	1.818	ROUTE MM	9,546.2			19,092.4							CENTERLINE
0.010		ROUTE MM LT									12		STOP BAR
0.013	4.103	ROUTE MM RT	21,595.2	21,595.2									EDGELINE
1.818	1.959	ROUTE MM	744.5		186.1	744.5							CENTERLINE
1.959	1.997	ROUTE MM	200.6			401.2							CENTERLINE
1.997	2.078	ROUTE MM	427.7		106.9	427.7							CENTERLINE
2.078	3.140	ROUTE MM	5,607.4			11,214.8							CENTERLINE
3.140	3.255	ROUTE MM	607.2			2,428.8						95	CNTR BUBBLE WITH HASHBARS
3.255		ROUTE MM						1					
3.255	3.276	ROUTE MM	110.9	110.9		221.8							CNTR LINE AND LANE LINE
3.276		ROUTE MM						1					
3.280		SHAWNEE FOUR	960.0			1,920.0				3			CENTERLINE
3.280		ROUTE MM LT					270.0						ISLAND MARKING
3.280	4.103	ROUTE MM LT	4,345.4	4,345.4									EDGELINE
3.290	3.380	ROUTE MM	475.2			1,900.8						86	CNTR BUBBLE WITH HASHBARS
3.290	3.317	ROUTE MM	142.6	142.6									LANE LINE
3.299		ROUTE MM						1					
3.317		ROUTE MM						1					
3.380	3.498	ROUTE MM	623.0			1,246.0							CENTERLINE
3.498	3.618	ROUTE MM	633.6		158.4	633.6							CENTERLINE
3.618	3.961	ROUTE MM	1,811.0			3,622.0							CENTERLINE
3.961	4.086	ROUTE MM	660.0			2,640.0						86	CNTR BUBBLE WITH HASHBARS
4.086		ROUTE MM						1					
4.086	4.103	ROUTE MM	89.8	89.8		179.6							CNTR LINE AND LANE LINE
4.103	4.122	ROUTE MM LT & RT	100.3	66.9									EXTENSION LINE (2' LINE, 4' GAP)
4.103		ROUTE MM						1					
4.111		RIDGE CIRCLE	575.0		143.8								CENTERLINE
4.122	4.905	ROUTE MM LT	4,134.2	4,134.2									EDGELINE
4.122	4.588	ROUTE MM RT	2,460.5	2,460.5									EDGELINE
4.122	4.138	ROUTE MM	84.5	84.5		169.0							CNTR LINE AND LANE LINE
4.122		ROUTE MM						1					
4.138		ROUTE MM						1					
4.138	4.263	ROUTE MM	660.0			2,640.0						81	CNTR BUBBLE WITH HASHBARS
4.263	4.463	ROUTE MM	1,056.0			2,112.0							CENTERLINE
4.463	4.588	ROUTE MM	660.0			2,640.0						216	CNTR BUBBLE WITH HASHBARS
4.588	4.600	ROUTE MM RT	63.4	21.1									EXTENSION LINE (2' LINE, 4' GAP)
4.596		SHAWNEE BEND	330.0			660.0							
4.600	4.905	ROUTE MM RT	1,610.4	1,610.4									EDGELINE
4.600		ROUTE MM						1					
4.600	4.616	ROUTE MM	84.5	84.5		169.0							CNTR LINE AND LANE LINE
4.616	4.741	ROUTE MM	660.0			2,640.0						126	CNTR BUBBLE WITH HASHBARS
4.616		ROUTE MM						1					
4.741	4.763	ROUTE MM	116.2			232.4							CENTERLINE
4.763	4.888	ROUTE MM	660.0			2,640.0						115	CNTR BUBBLE WITH HASHBARS
4.888		ROUTE MM						1					
4.888	4.905	ROUTE MM	89.8	89.8		179.6							CNTR LINE AND LANE LINE
4.905		ROUTE MM						1					
4.905	4.930	ROUTE MM LT & RT	132.0	88.0									EXTENSION LINE (2' LINE, 4' GAP)
4.917		GRAND POINT	140.0			280.0							
4.930	5.581	ROUTE MM LT	3,437.3	3,437.3									EDGELINE
4.930	5.480	ROUTE MM RT	2,904.0	2,904.0									EDGELINE
4.930		ROUTE MM						1					
4.930	4.946	ROUTE MM	84.5	84.5		169.0							CNTR LINE AND LANE LINE
4.946	5.071	ROUTE MM	660.0			2,640.0						121	CNTR BUBBLE WITH HASHBARS
4.946		ROUTE MM						1					
5.071	5.140	ROUTE MM	364.3		91.1	364.3							CENTERLINE
5.140	5.180	ROUTE MM	211.2		52.8								CENTERLINE
5.180	5.355	ROUTE MM	924.0			1,848.0							CENTERLINE
5.355	5.480	ROUTE MM	660.0			2,640.0						115	CNTR BUBBLE WITH HASHBARS
5.480	5.499	ROUTE MM	100.3	33.4									EXTENSION LINE (2' LINE, 4' GAP)
5.499	6.051	ROUTE MM RT	2,914.6	2,914.6									EDGELINE
5.499	5.532	ROUTE MM	174.2	174.2		348.4							CNTR LINE AND LANE LINE
5.499		ROUTE MM						1					
5.532		ROUTE MM						1					
		SUBTOTAL 1		61,605.4	739.1	69,044.9	270.0	16	0	3	12	1,041	

SUMMARY OF QUANTITIES
SHEET 4 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:53:23 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

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 - CONTINUED

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER YELLOW (FT)	4" SOLID YELLOW (FT)	8" SOLID WHITE (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LT/RT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	24" WHITE (FT)	24" YELLOW (FT)	REMARKS
ROUTE MM - CONTINUED													
5.532	5.548	ROUTE MM	84.5			169.0							CENTERLINE
5.548		ROUTE MM						1					
5.548	5.581	ROUTE MM	174.2	174.2		348.4							CNTR LINE AND LANE LINE
5.581		ROUTE MM						1					
5.581	5.593	ROUTE MM LT	63.4	21.1									EXTENSION LINE (2' LINE, 4' GAP)
5.593	5.718	ROUTE MM	660.0			2,640.0						132	CNTR BUBBLE WITH HASHBARS
5.593	6.051	ROUTE MM LT	2,418.2	2,418.2									EDGELINE
5.718	5.909	ROUTE MM	1,008.5			2,017.0							CENTERLINE
5.909	6.034	ROUTE MM	660.0			2,640.0						132	CNTR BUBBLE WITH HASHBARS
6.034	6.051	ROUTE MM	89.8	89.8		179.6							CNTR LINE AND LANE LINE
6.034		ROUTE MM						1					
6.051		ROUTE MM						1					
6.051	6.067	ROUTE MM LT & RT	84.5	56.3									EXTENSION LINE (2' LINE, 4' GAP)
6.067	6.083	ROUTE MM	84.5	84.5		169.0							CNTR LINE AND LANE LINE
6.067		ROUTE MM						1					
6.067	7.181	ROUTE MM LT & RT	5,881.9	11,763.8									EDGELINES
6.083		ROUTE MM						1					
6.083	6.208	ROUTE MM	660.0			2,640.0						190	CNTR BUBBLE WITH HASHBARS
6.208	6.543	ROUTE MM	1,768.8			3,537.6							CENTERLINE
6.543	6.681	ROUTE MM	728.6		182.2	728.6							CENTERLINE
6.681	7.041	ROUTE MM	1,900.8		475.2								CENTERLINE
7.041	7.181	ROUTE MM	739.2		184.8	739.2							CENTERLINE
		SUBTOTAL 2		14,607.9	842.2	15,808.4	0.0	6	0	3	0	454	
		SUBTOTAL 1		61,605.4	739.1	69,044.9	270.0	16	0	0	12	1,041	
		TOTAL		76,213.3	1,581.3	84,853.3	270.0	22	0	3	12	1,495	

PAVEMENT MARKING - TOTALS

LOCATION	CLASS 1 PVMT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER YELLOW (FT)	4" SOLID YELLOW (FT)	8" SOLID WHITE (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LT/RT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	24" WHITE (FT)	24" YELLOW (FT)
ROUTE F	49,172.6	0.0	49,051.2	180.0	2	2	0	24	0
ROUTE TT	32,345.4	0.0	32,377.0	0.0	0	0	0	36	0
ROUTE MM	76,213.3	1,581.3	84,853.3	270.0	22	0	3	12	1,495
ROUTE O	67,895.5	1,165.5	63,286.2	0.0	1	0	0	0	62
TOTAL	225,626.8	2,746.8	229,567.7	450.0	25	2	3	72	1,557
USE	225,627	232,315		450	25	2	3	72	1,557

PERMANENT TRANSVERSE RUMBLE STRIPS

LOG MILE FROM	LOG MILE TO	LOCATION	PANEL (EA)	REMARKS
ROUTE TT				
0.062		ROUTE TT	1	WB LANE (PANEL B)
0.130		ROUTE TT	1	WB LANE (PANEL A)
		TOTAL	2	SEE SPECIAL SHEET FOR DETAILS
		USE	2	

PATCHING ROUTES FOR SURFACE LEVELING

LOG MILE FROM	LOG MILE TO	LOCATION	WIDTH (FT)	LENGTH (MI)	REMOVAL OF DAMAGED PVMT (SY)	REPLACEMENT OF DAMAGED PVMT (T)	REMARKS
ROUTE F							
0.488	4.665	ROUTE F	22	4.2	504	126	
				TOTAL	504	126	
ROUTE TT							
1.854	3.095	ROUTE TT	22.0	1.2	144.0	36.0	
				TOTAL	144	36	
ROUTE O							
0.583	6.474	ROUTE O	22	5.9	708	177	
				TOTAL	708	177	
				TOTAL	1,356	339	
				USE	1,356	339	

SUMMARY OF QUANTITIES
SHEET 5 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:53:46 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

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)

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)

LOG MILE FROM	LOG MILE TO	LOCATION	WIDTH (FT)	LENGTH (FT)	COLDMILLING (SY)	REMARKS
ROUTE F						
0.000	0.022	ROUTE F	VAR	115.0	830	
0.026	0.070	ROUTE F	43	232.3	1,110	VARIES FROM 46' TO 40'
0.070	0.198	ROUTE F	41	675.8	3,079	VARIES FROM 40' TO 42'
0.198	0.217	ROUTE F	32	100.3	357	
0.217	0.485	ROUTE F	25	1,415.0	3,931	
				TOTAL	9,307	
ROUTE TT						
0.000	0.006	ROUTE TT	VAR	31.7	145.0	
0.006	1.843	ROUTE TT	28.5	9,699.4	30,715	VARIES FROM 28' TO 29'
					545	SIDE ROADS
				TOTAL	31,405	
ROUTE MM						
0.000	0.010	ROUTE MM	VAR	52.8	265.0	
0.010	2.956	ROUTE MM	27	15,554.9	46,664.7	AVG. 27'
2.956	3.065	ROUTE MM	33	575.5	2,110.2	VARIES FROM 26' TO 40'
3.065	3.140	ROUTE MM	43	396.0	1,892.0	VARIES FROM 40' TO 46'
3.140	3.255	ROUTE MM	47	607.2	3,170.9	VARIES FROM 46' TO 48'
3.255	3.290	ROUTE MM	48	184.8	985.6	48'
3.290	3.322	ROUTE MM	53	169.0	995.2	VARIES FROM 60' TO 46'
3.322	3.380	ROUTE MM	43	306.2	1,463.0	VARIES FROM 46' TO 40'
3.380	6.347	ROUTE MM	40	15,665.8	69,625.8	WIDTH VARIES - AVG 40'
6.465	6.625	ROUTE MM	40	844.8	3,754.7	
					7,148.0	SIDE ROADS
				TOTAL	138,075	
ROUTE O						
0.045	0.063	ROUTE O	VAR	105.6	327	VARIES FROM 34' TO 22'
0.063	0.473	ROUTE O	22	2,164.8	5,292	
0.473	0.583	ROUTE O	27.0	580.8	1,742	VARIES FROM 32' TO 22'
				TOTAL	7,361	
				TOTAL	186,148	
				USE	186,148	

SHAPING SLOPES, CLASS I

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	SHAPING SLOPES CLASS I (STA)	REMARKS
ROUTE MM					
4.103		ROUTE MM RT	45.0	0.5	CURB AND GUTTER REMOVAL
4.122		ROUTE MM RT	45.0	0.5	CURB AND GUTTER REMOVAL
			TOTAL	1	
			USE	1	

MOBILIZATION

1 LUMP SUM

GUARDRAIL

LOG MILE FROM	LOG MILE TO	LOCATION	MGS GUARDRAIL (LF)	MGS GUARDRAIL 8' POSTS 6 FT,- 3" SP (LF)	MGS END ANCHOR (EA)	REMARKS
ROUTE TT						
1.071	1.108	ROUTE TT LT		200.0		REPLACE DAMAGED GUARDRAIL
ROUTE MM						
4.119	4.209	ROUTE MM RT	462.5		1	UIP EXISTING CET - SEE JSP FOR DETAILS
		TOTAL	462.5	200.0	1	
		USE	463	200	1	
NOTE: NEW GUARDRAIL TO BE PLACED AT EXISTING GUARDRAIL LOCATION UNLESS NOTED OTHERWISE.						

SUMMARY OF QUANTITIES
SHEET 6 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:34:14 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED: 8/3/2026
ROUTE: VAR
STATE: MO
DISTRICT: CD
SHEET NO.: 3
COUNTY: CAMDEN/MORGAN
JOB NO.: JCD0178
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)

MODIFIED COLDMILLING

LOG MILE FROM	LOG MILE TO	LOCATION	WIDTH (FT)	LENGTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
ROUTE F						
0.022	0.029	ROUTE F	VAR	37.5	200	BEGIN OF ROUTE - 2" TO 1/2"
0.485	0.492	ROUTE F	22.0	37.5	92	END OF BP-1 - 1/2" TO 2"
0.492	0.496	ROUTE F	22.0	25.0	61	BEGIN OF LEVEL COURSE - 1" TO 0"
		ROUTE F LT & RT			325	ASPHALT SIDE RD, CNTY RD, CITY ST & ENTRANCES
		ROUTE F LT & RT	6	VAR	313	CONCRETE ENTRANCES
				TOTAL	991	
ROUTE TT						
1.843	1.850	ROUTE TT	25	37.5	104	END OF BP-1 - 1/2" TO 2"
1.850	1.854	ROUTE TT	25	25	69	BEGIN OF LEVEL COURSE - 1" TO 0"
3.075	3.080	ROUTE TT	22	25	61	END OF ROUTE - 0" TO 1"
		ROUTE TT LT & RT			485	ASPHALT SIDE RD, CNTY RD, CITY ST & ENTRANCES
		ROUTE TT LT & RT	6	VAR	470	CONCRETE ENTRANCES
				TOTAL	1,189	
ROUTE MM						
3.942	3.961	ROUTE MM	40	100	444	RIDGE CIR WIDENING - FROM 2" TO 0"
4.263	4.281	ROUTE MM	40	100	444	RIDGE CIR WIDENING - FROM 0" TO 2"
4.444	4.463	ROUTE MM	40	100	444	SHAWNEE BEND/GRAND POINT WIDENING - FROM 2" TO 0"
5.071	5.089	ROUTE MM	40	100	444	SHAWNEE BEND/GRAND POINT WIDENING - FROM 0" TO 2"
6.347	6.350	ROUTE MM	40	12.5	56	AT CONCRETE EDGE - FROM 1/2" TO 0"
6.463	6.465	ROUTE MM	40	12.5	56	AT CONCRETE EDGE - FROM 0 TO 1/2"
6.634	6.642	ROUTE MM	40	37.5	167	AT BRIDGE END - FROM 1/2" TO 2"
		ROUTE MM LT & RT			1,133	ASPHALT SIDE RD, CNTY RD, CITY ST & ENTRANCES
		ROUTE MM LT	6	80	53	CONCRETE ENTRANCE
		SHAWNEE FOUR	6	125	83	CONCRETE ENTRANCES
				TOTAL	3,324	
ROUTE O						
0.583	0.587	ROUTE O	22	25	61	END OF MILL AND FILL - 1" TO 0"
6.474	6.478	ROUTE O	22	25	61	END OF ROUTE - 0" TO 1"
		ROUTE O LT & RT			1,365	ASPHALT SIDE RD, CNTY RD, CITY ST & ENTRANCES
		ROUTE O LT & RT	6	VAR	1,180	CONCRETE ENTRANCES
				TOTAL	2,667	
				GRAND TOTAL	8,171	SEE TYPICAL SECTIONS SHEETS FOR
				USE	8,171	SIDE ROAD, COUNTY ROAD,
						CITY STREET AND ENTRANCE DETAILS

SUMMARY OF QUANTITIES
SHEET 7 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:54:32 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE: VAR | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: CAMDEN/MORGAN
JOB NO.: JCD0178
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)

PAVED SIDE ROAD, COUNTY ROAD, CITY STREET OR ENTRANCE

LOG MILE	LOCATION	MODIFIED COLDMILLING (SY)	REMARKS
ROUTE F			
0.580	ROUTE F LT	25	CRABAPPLE PASS
1.160	ROUTE F LT	25	KINCHLOW DR
1.500	ROUTE F RT	30	SUNRISE MEMORIAL
1.980	ROUTE F LT	30	COZY COVE RD
2.360	ROUTE F RT	40	INDIAN PARK RD
2.900	ROUTE F LT	145	OAK BEND RD
3.620	ROUTE F LT	30	FOUR WATERS
	TOTAL	325	
ROUTE TT			
0.094	ROUTE TT RT	35	CRABAPPLE PASS
0.349	ROUTE TT RT	55	PISCES DR
0.792	ROUTE TT RT	30	THREE OAKS DR
1.394	ROUTE TT RT	25	SHAWNEE VIEW DR
1.605	ROUTE TT RT	35	SHAWNEE VIEW DR
2.166	ROUTE TT LT	30	POINT LOOKOUT RD
2.342	ROUTE TT LT	40	WOODRIDGE ESTATES
2.523	ROUTE TT LT	60	CRANE COVE DR
2.598	ROUTE TT RT	65	BILL RUBYS DR
2.929	ROUTE TT LT	40	WINGS CIR
2.959	ROUTE TT LT	20	SHAWNEE BEND LAKE ACCESS
3.013	ROUTE TT RT	50	ELEVEN W DR
	TOTAL	485	
ROUTE MM			
0.276	ROUTE MM RT	35	HICKORY HOLLOW RD
0.570	ROUTE MM RT	20	TALL OAKS RD
0.714	ROUTE MM RT	25	TALL OAKS RD
0.887	ROUTE MM LT	45	SHAWNEE BEND ONE DR
1.227	ROUTE MM LT	85	CHIMNEY POINT
2.665	ROUTE MM LT	100	SPRUCE LN
3.277	ROUTE MM LT	27	SHAWNEE FOUR DR
3.599	ROUTE MM RT	30	VILLAGE WAY
4.110	ROUTE MM LT	83	RIDGE CIR
4.110	ROUTE MM RT	115	VILLAGES BLVD
4.596	ROUTE MM RT	83	SHAWNEE BEND RD
4.917	ROUTE MM LT	110	GRAND POINT BLVD
4.917	ROUTE MM RT	115	SPRING CREEK DR
5.495	ROUTE MM RT	130	RESPLANDER WAY
5.589	ROUTE MM LT	30	LAS CAMPANAS
6.058	ROUTE MM LT	75	PORTO CIMA DR
6.058	ROUTE MM RT	25	VIA DEL LAGO DR
	TOTAL	1,133	
ROUTE O			
1.408	ROUTE O RT	40	MARKUM RD
2.431	ROUTE O RT	65	GREEN HILLS RD
2.616	ROUTE O LT	55	EAGLE AVE
2.927	ROUTE O LT	70	INDIAN LAKE AVE
2.935	ROUTE O RT	55	LAKEWOOD DR
3.169	ROUTE O RT	55	BUCK CREEK RD
3.815	ROUTE O LT	140	OLD EIGHT RD
4.814	ROUTE O LT	135	TOWERING OAK LN
4.901	ROUTE O RT	95	SADDLE RD
5.589	ROUTE O RT	195	PELICAN POINT RD
5.756	ROUTE O LT	90	GOLDEN OAKS
5.994	ROUTE O RT	75	TRIANGLE COVE RD
6.005	ROUTE O LT	60	WORLEY RD
6.054	ROUTE O RT	100	DUNWANDRIN RD
6.443	ROUTE O LT	85	MILLSTONE ESTATES
6.473	ROUTE O LT	50	TONYS POINT
	TOTAL	1,365	
FOR INFORMATIONAL PURPOSES - SEE PAVEMENT AND MODIFIED COLDMILLING TABLES			

BITUMINOUS RUMBLE STRIPS

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CENTERLINE RUMBLE STRIPS (STA)	SHOULDER RUMBLE STRIPS (STA)	REMARKS
ROUTE F						
0.198	0.417	ROUTE F	1156.3	11.6		
0.198	0.470	ROUTE F LT & RT	2872.3		40.0	MINUS ENTRANCES
			TOTAL	12	40	
ROUTE TT						
0.015	1.800	ROUTE TT	9424.8	94.2		
0.015	1.800	ROUTE TT LT & RT	18849.6		346.8	MINUS ENTRANCES
			TOTAL	94	347	
ROUTE MM						
0.040	3.140	ROUTE MM	16368.0	163.7		
0.040	6.642	ROUTE MM LT & RT	69717.1		1362.9	MINUS ENTRANCES
3.340	3.961	ROUTE MM	3278.9	32.8		
4.263	4.444	ROUTE MM	955.7	9.6		
4.741	4.763	ROUTE MM	116.2	1.2		
5.071	5.355	ROUTE MM	1499.5	15.0		
5.719	6.642	ROUTE MM	4873.4	48.7		
			TOTAL	271	1363	
			GRAND TOTAL	377	1,750	
			USE	377	1,750	

PERMANENT AGGREGATE EDGE TREATMENT

APPROX. LOG MILE FROM	APPROX. LOG MILE TO	LOCATION	LENGTH (FT)	WIDTH (FT) *	PERM AGG. EDGE TREATMENT (TONS)	REMARKS
ROUTE MM						
3.942	4.281	ROUTE MM LT. & RT.	1789.92	4	27.06	RIDGE CIR WIDENING
4.444	5.089	ROUTE MM LT. & RT.	3405.6	4	51.49	SHAWNEE BEND/GRAND POINT WIDENING
				TOTAL	78.55	* 2' EACH SIDE OF ROADWAY
				USE	78.6	
ESTIMATED AT 1.40 TON /CQ. YD. : ESTIMATED SQ. FT. CROSS SECTION AREA = 0.1458 SQ. FT. UNLESS OTHERWISE NOTED						

SUMMARY OF QUANTITIES
SHEET 8 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:54:58 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE: VAR | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: CAMDEN/MORGAN
JOB NO.: JCD0178
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)

PAVED SIDE ROAD, COUNTY ROAD, CITY STREET OR ENTRANCE

LOG MILE	LOCATION	AREA (SY)	AREA (SF)	THICKNESS (FT)	(CY)	FACTOR (TONS/CY)	BP-1 (T)	SURF. LEVEL (T)	TACK (GAL)	REMARKS
ROUTE F										
0.580	ROUTE F LT	225.0	2025.0	0.083	6.225	1.987		12.37	18.0	CRABAPPLE PASS
1.160	ROUTE F LT	160.0	1440.0	0.083	4.427	1.987		8.80	12.8	KINCHLOW DR
1.500	ROUTE F RT	150.0	1350.0	0.083	4.150	1.987		8.25	12.0	SUNRISE MEMORIAL
1.980	ROUTE F LT	120.0	1080.0	0.083	3.320	1.987		6.60	9.6	COZY COVE RD
2.360	ROUTE F RT	155.0	1395.0	0.083	4.288	1.987		8.52	12.4	INDIAN PARK RD
2.900	ROUTE F LT	145.0	1305.0	0.083	4.012	1.987		7.97	11.6	OAK BEND RD
3.620	ROUTE F LT	145.0	1305.0	0.083	4.012	1.987		7.97	11.6	FOUR WATERS
							19.570	11.77	654.4	PRVT ENTRANCES & WIDE AREAS
					ENTRANCE	SUBTOTAL	19.57	72.25	742.4	
ROUTE TT										
0.094	ROUTE TT RT	135	1215.0	0.167	7.515	1.948	14.64		10.8	CRABAPPLE PASS
0.349	ROUTE TT RT	245	2205.0	0.167	13.638	1.948	26.57		19.6	PISCES DR
0.792	ROUTE TT RT	190	1710.0	0.167	10.577	1.948	20.60		15.2	THREE OAKS DR
1.394	ROUTE TT RT	130	1170.0	0.167	7.237	1.948	14.10		10.4	SHAWNEE VIEW DR
1.605	ROUTE TT RT	170	1530.0	0.167	9.463	1.948	18.43		13.6	SHAWNEE VIEW DR
2.166	ROUTE TT LT	280	2520.0	0.083	7.747	1.987		15.39	22.4	POINT LOOKOUT RD
2.342	ROUTE TT LT	100	900.0	0.083	2.767	1.987		5.50	8.0	WOODRIDGE ESTATES
2.523	ROUTE TT LT	75	675.0	0.083	2.075	1.987		4.12	6.0	CRANE COVE DR
2.598	ROUTE TT RT	120	1080.0	0.083	3.320	1.987		6.60	9.6	BILL RUBYS DR
2.929	ROUTE TT LT	145	1305.0	0.083	4.012	1.987		7.97	11.6	WINGS CIR
2.959	ROUTE TT LT	145	1305.0	0.083	4.012	1.987		7.97	11.6	SHAWNEE BEND LAKE ACCESS
3.013	ROUTE TT RT	50	450.0	0.083	1.383	1.987		2.75	4.0	ELEVEN W DR
							8.57	2.82	225.6	PRVT ENTRANCES & WIDE AREAS
					ENTRANCE	SUBTOTAL	102.91	53.12	368.4	
ROUTE MM										
0.276	ROUTE MM RT	110	990	0.167	6.123	1.948	11.93		11.0	HICKORY HOLLOW RD
0.570	ROUTE MM RT	85	765	0.167	4.732	1.948	9.22		8.5	TALL OAKS RD
0.714	ROUTE MM RT	90	810	0.167	5.010	1.948	9.76		9.0	TALL OAKS RD
0.887	ROUTE MM LT	250	2250	0.167	13.917	1.948	27.11		25.0	SHAWNEE BEND ONE DR
1.227	ROUTE MM LT	425	3825	0.167	23.658	1.948	46.09		42.5	CHIMNEY POINT
2.665	ROUTE MM LT	100	900	0.167	5.567	1.948	10.84		10.0	SPRUCE LN
3.277	ROUTE MM LT	4250	38250	0.167	236.583	1.948	460.86		425.0	SHAWNEE FOUR DR
3.599	ROUTE MM RT	185	1665	0.167	10.298	1.948	20.06		18.5	VILLAGE WAY
4.111	ROUTE MM LT	2250	20250	0.167	125.250	1.948	243.99		225.0	RIDGE CIR
4.111	ROUTE MM RT	180	1620	0.167	10.020	1.948	19.52		18.0	VILLAGES BLVD
4.596	ROUTE MM RT	1750	15750	0.167	97.417	1.948	189.77		175.0	SHAWNEE BEND RD
4.917	ROUTE MM LT	1195	10755	0.167	66.522	1.948	129.58		119.5	GRAND POINT BLVD
4.917	ROUTE MM RT	725	6525	0.167	40.358	1.948	78.62		72.5	SPRING CREEK DR
5.495	ROUTE MM RT	130	1170	0.167	7.237	1.948	14.10		13.0	RESPLANDER ST
5.589	ROUTE MM LT	230	2070	0.167	12.803	1.948	24.94		23.0	LAS CAMPANAS
6.058	ROUTE MM LT	255	2295	0.167	14.195	1.948	27.65		25.5	PORTO CIMA DR
6.058	ROUTE MM RT	210	1890	0.167	11.690	1.948	22.77		21.0	VIA DEL LAGO DR
							2.98		66.0	PRVT ENTRANCES & WIDE AREAS
							1.62		36.0	ENTRANCES ON SHAWNEE FOUR
					ENTRANCE	SUBTOTAL	1351.41	0.0	1344.0	
ROUTE O										
1.408	ROUTE O RT	40	360	0.083	1.107	1.987		2.20	3.2	MARKUM RD
2.431	ROUTE O RT	65	585	0.083	1.798	1.987		3.57	5.2	GREEN HILLS RD
2.616	ROUTE O LT	55	495	0.083	1.522	1.987		3.02	4.4	EAGLE AVE
2.927	ROUTE O LT	70	630	0.083	1.937	1.987		3.85	5.6	INDIAN LAKE AVE
3.169	ROUTE O RT	55	495	0.083	1.522	1.987		3.02	4.4	BUCK CREEK RD
3.815	ROUTE O LT	140	1260	0.083	3.873	1.987		7.70	11.2	OLD EIGHT RD
4.814	ROUTE O LT	135	1215	0.083	3.735	1.987		7.42	10.8	TOWERING OAK LN
4.901	ROUTE O RT	95	855	0.083	2.628	1.987		5.22	7.6	SADDLE RD
5.589	ROUTE O RT	195	1755	0.083	5.395	1.987		10.72	15.6	PELICAN POINT RD
5.756	ROUTE O LT	90	810	0.083	2.490	1.987		4.95	7.2	GOLDEN OAKS
5.994	ROUTE O RT	75	675	0.083	2.075	1.987		4.12	6.0	TRIANGLE COVE RD
6.005	ROUTE O LT	60	540	0.083	1.660	1.987		3.30	4.8	WORLEY RD
6.054	ROUTE O RT	100	900	0.083	2.767	1.987		5.50	8.0	DUNWANDRIN RD
6.443	ROUTE O LT	85	765	0.083	2.352	1.987		4.67	6.8	MILLSTONE ESTATES
6.473	ROUTE O LT	50	450	0.083	1.383	1.987		2.75	4.0	TONYS POINT
								28.52	744.0	PRVT ENTRANCES & WIDE AREAS
					ENTRANCE	SUBTOTAL	0.0	100.53	848.8	
FOR INFORMATIONAL PURPOSES - SEE PAVEMENT TABLE										

PAVED SIDE ROAD, COUNTY ROAD OR CITY STREET

LOG MILE FROM	LOCATION	WIDTH (FT)	LENGTH (FT)	COLDMILLING (SY)	REMARKS
ROUTE TT					
0.094	ROUTE TT RT	VAR	40.0	100.0	CRABAPPLE PASS
0.349	ROUTE TT RT	VAR	20.0	175.0	PISCES DR
0.792	ROUTE TT RT	VAR	40.0	85.0	THREE OAKS DR
1.394	ROUTE TT RT	VAR	20.0	100.0	SHAWNEE VIEW DR
1.605	ROUTE TT RT	VAR	20.0	85	SHAWNEE VIEW DR
			TOTAL	545	
ROUTE MM					
0.276	ROUTE MM RT	VAR	20.0	85.0	HICKORY HOLLOW RD
0.570	ROUTE MM RT	VAR	20.0	25.0	TALL OAKS RD
0.714	ROUTE MM RT	VAR	20.0	35.0	TALL OAKS RD
0.887	ROUTE MM LT	VAR	30.0	185.0	SHAWNEE BEND ONE DR
1.227	ROUTE MM LT	VAR	35.0	375.0	CHIMNEY POINT
3.277	ROUTE MM LT	VAR	50.0	4,223.0	SHAWNEE FOUR DR
3.599	ROUTE MM RT	VAR	35.0	130.0	VILLAGE WAY
4.111	ROUTE MM LT	VAR	40.0	400.0	RIDGE CIR
4.596	ROUTE MM RT	VAR	60.0	500.0	SHAWNEE BEND RD
4.917	ROUTE MM LT	VAR	55.0	500.0	GRAND POINT BLVD
4.917	ROUTE MM RT	VAR	30.0	300.0	SPRING CREEK DR
5.589	ROUTE MM LT	VAR	40.0	155.0	LAS CAMPANAS
6.058	ROUTE MM LT	VAR	20.0	85.0	PORTO CIMA DR
6.058	ROUTE MM RT	VAR	40.0	150.0	VIA DEL LAGO DR
			TOTAL	7,148	
			TOTAL	7,693	
			USE	7,693	
FOR INFORMATIONAL PURPOSES - SEE PAVEMENT AND MODIFIED COLDMILLING TABLES					

SUMMARY OF QUANTITIES
SHEET 9 OF 10

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
09/03/2026 2:57:09 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

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)

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	2	32.00			11	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)
WO5-1	48X48	16.00						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	60	960.00			36	UNEVEN LANES
WO8-12	48X48	16.00	30	480.00			35	NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						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						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	28	448.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00	32	512.00			7	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	28	448.00			8	FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						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	8	17.52				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	8	80.00			1	ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	8	64.00			26	END ROAD WORK
GO20-4	36X18	4.50	2	9.00			53	PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75	20	175.00			58	PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50	22	33.00			58	PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12.00			54	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	8	96.00			4, 25	SPEED LIMIT XX (2-35,4-45,2-55)
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	8	96.00			59	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	
	3463*	
616-10.10 RELOCATED SIGNS		TOTAL

ITEM NUMBER	TOTAL QTY	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		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	207*	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030		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	6	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

6169901	1	LUMP SUM TEMPORARY TRAFFIC CONTROL (*ITEM INCLUDED)

QUANTITY SHEET
SHEET 10 OF 10

EFFECTIVE: 07-01-2025

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 12:49:36 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED: 6/17/2026
ROUTE: VAR | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: CAMDEN/MORGAN
JOB NO.: JCD0178
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)

LEGEND

DW	DOTTED WHITE		MILL LINE
IW	INTERMITTENT WHITE		CENTERLINE
IY	INTERMITTENT YELLOW		EXTENSION LINE
DY	DOTTED YELLOW		
SW	SOLID WHITE		COLDMILL AREA
SY	SOLID YELLOW		
DSY	DOUBLE SOLID YELLOW		MODIFIED COLDMILL AREA
YB	YIELD BAR		
YHB	HASH BAR - YELLOW		
WHB	HASH BAR - WHITE		
YCH	CHEVRON - YELLOW		
WCH	CHEVRON - WHITE		
WMB	WHITE MIDBLOCK CROSSWALK		

LOG MILES ARE APPROXIMATE.

PLACE PAVEMENT MARKING SAME AS EXISTING, UNLESS OTHERWISE NOTED.

PAVED SIDEROADS/ENTRANCES TO BE MODIFIED COLDMILLED AND PAVED WITH MAINLINE TREATMENT TO 10' BEYOND EDGE OF SHOULDER (INCLUDE SHOULDER IN FRONT OF SIDEROAD/ENTRANCE) UNLESS OTHERWISE NOTED ON SPECIAL SHEET.SEE TYPICAL SECTION SHEET FOR DETAIL. FIELD ENTRANCES ARE EXEMPT.

LOCATIONS OF TRANSVERSE RUMBLE STRIPS:

ROUTE TT - ADD PERMANENT TRANSVERSE RUMBLE STRIPES AT EB LOG MILES 0.062 AND 0.130.

LOCATIONS OF CHANGE IN PAVEMENT MARKING:

ROUTE MM EB LOG MILE 0.010

- STOP BAR

ROUTE MM EB LOG MILE 4.110 - RIDGE CIR/VILLAGES BLVD INTERSECTION

- 4" SW LANE LINE
- 4" DSY W/ 24" YHB
- LEFT TURN ARROWS

ROUTE MM EB LOG MILE 4.600 - SHAWNEE BEND RD INTERSECTION

- 4" SW LANE LINE
- 4" DSY W/ 24" YHB
- LEFT TURN ARROWS

ROUTE M EB LOG MILE 4.920 - GRAND POINT BLVD/SPRING CREEK DR INTERSECTION

- 4" SW LANE LINE
- 4" DSY W/ 24" YHB
- LEFT TURN ARROWS

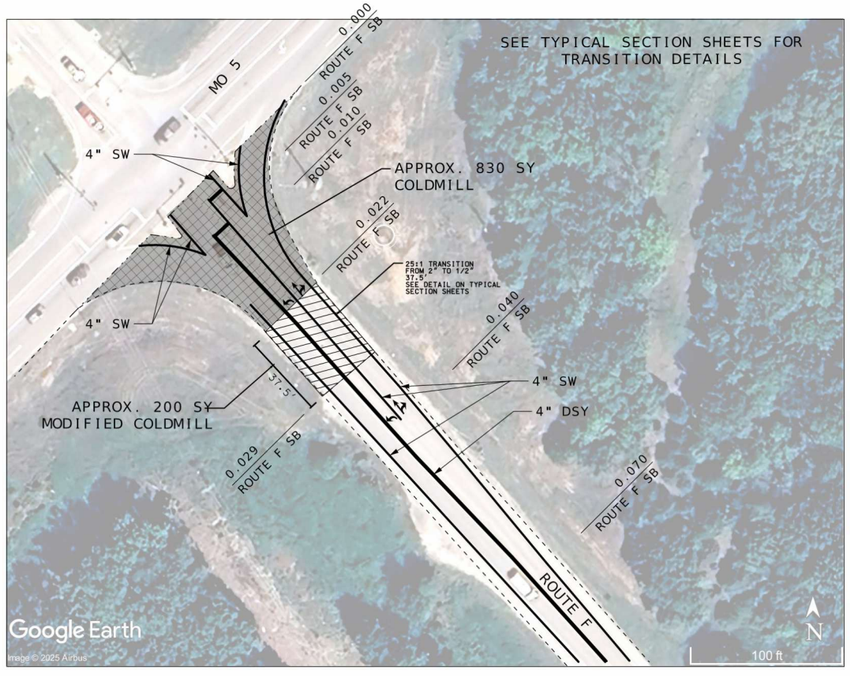
ROUTE MM EB LOG MILE 5.495 - RESPLANDER WAY & 5.590 - LAS CAMPANAS INTERSECTIONS

- 4" SW LANE LINE
- 4" DSY W/ 24" YHB
- LEFT TURN ARROWS

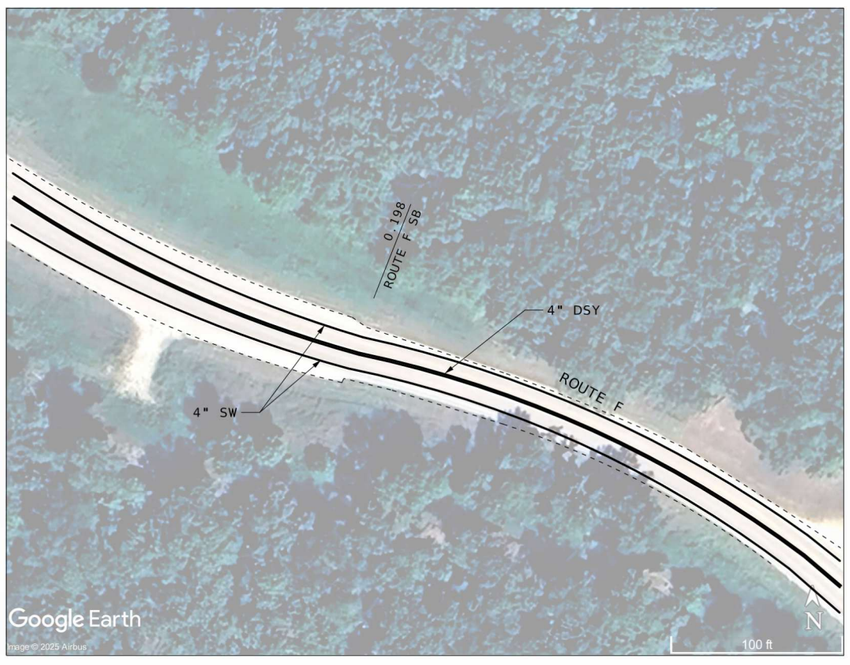
ROUTE MM EB LOG MILE 6.060 - PORTO CIMA DR/VIA DEL LAGO DR INTERSECTION

- 4" SW LANE LINE
- 4" DSY W/ 24" YHB
- LEFT TURN ARROWS

ROUTE MM EB LOG MILE 3.961 TO 6.208 - CENTERLINE



ROUTE F BEGIN
LOG MILE 0.000 SB



ROUTE F WIDENENING ENDS
LOG MILE 0.200 SB

NOT TO SCALE

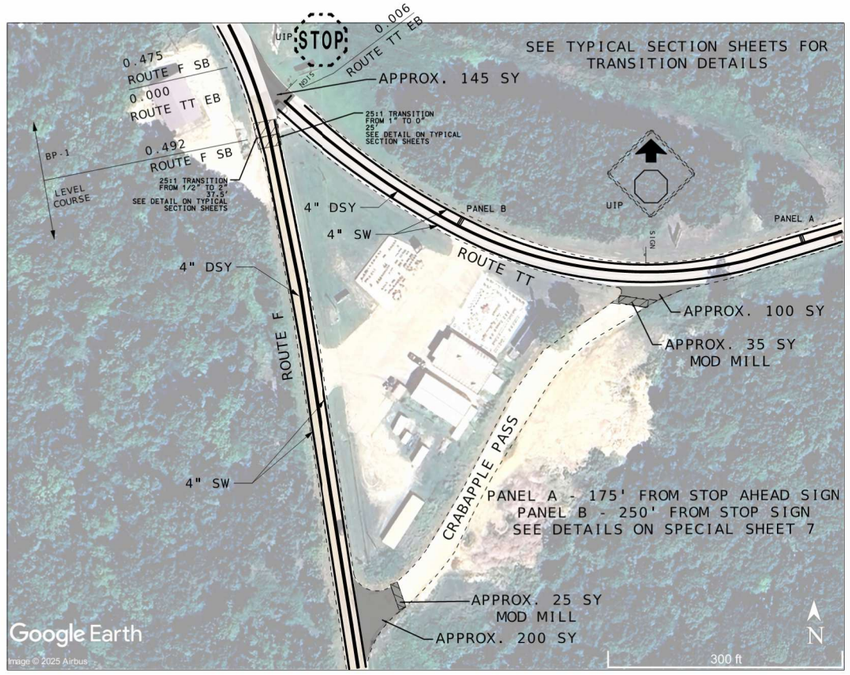
SPECIAL SHEET
SHEET 1 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 12:55:09 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED: 6/17/2026
ROUTE: VAR
STATE: MO
DISTRICT: CD
SHEET NO.: 4
COUNTY: CAMDEN/MORGAN
JOB NO.: JCD0178
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

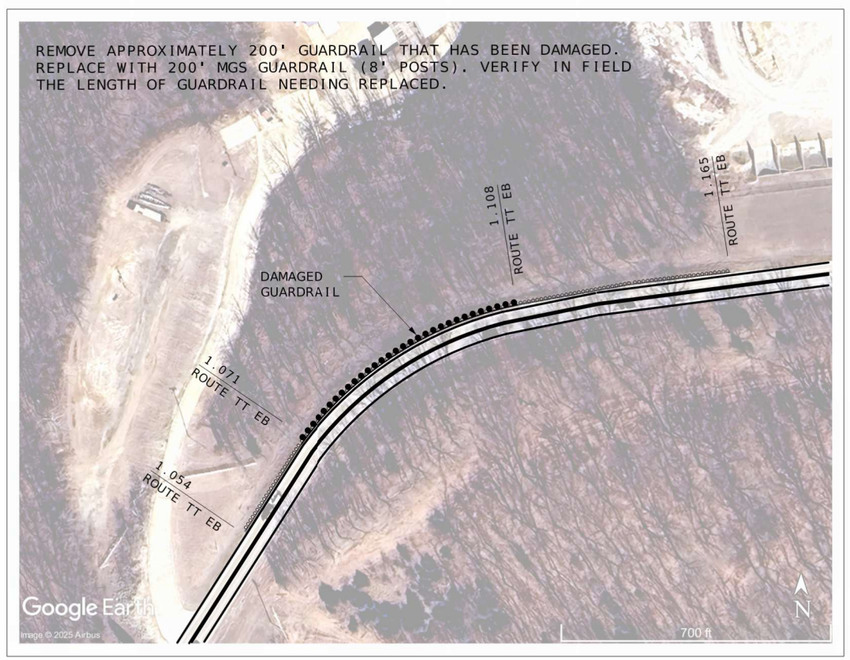
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



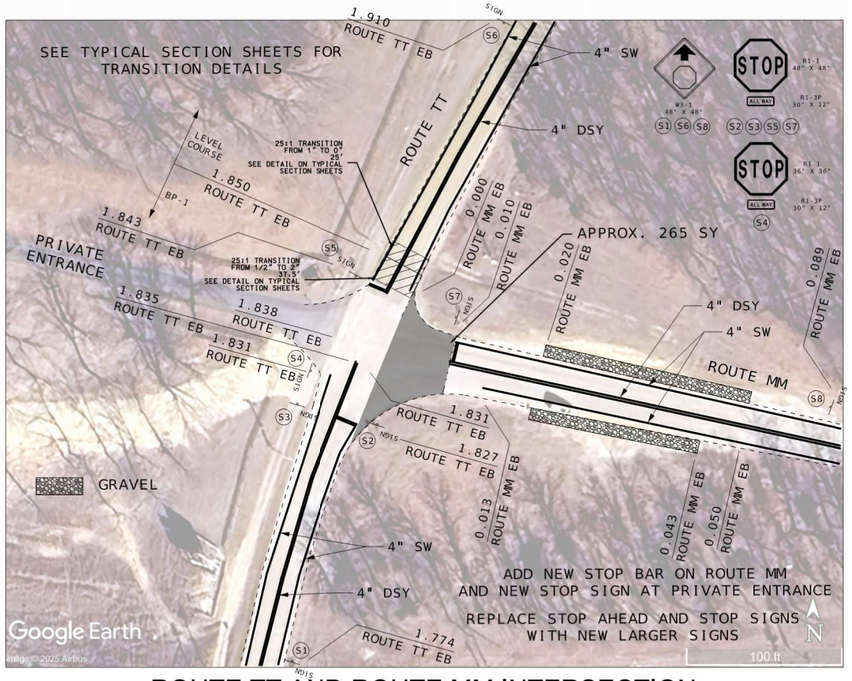
ROUTE F AND ROUTE TT INTERSECTION
LOG MILE 0.475 ROUTE F SB
LOG MILE 0.000 ROUTE TT EB



ROUTE F END
LOG MILE 4.665 SB



ROUTE TT GUARDRAIL LOCATION
LOG MILE 1.054 EB



ROUTE TT AND ROUTE MM INTERSECTION
LOG MILE 1.838 ROUTE TT EB
LOG MILE 0.000 ROUTE MM EB

NOT TO SCALE

SPECIAL SHEET
SHEET 2 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 12:55:58 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	5

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

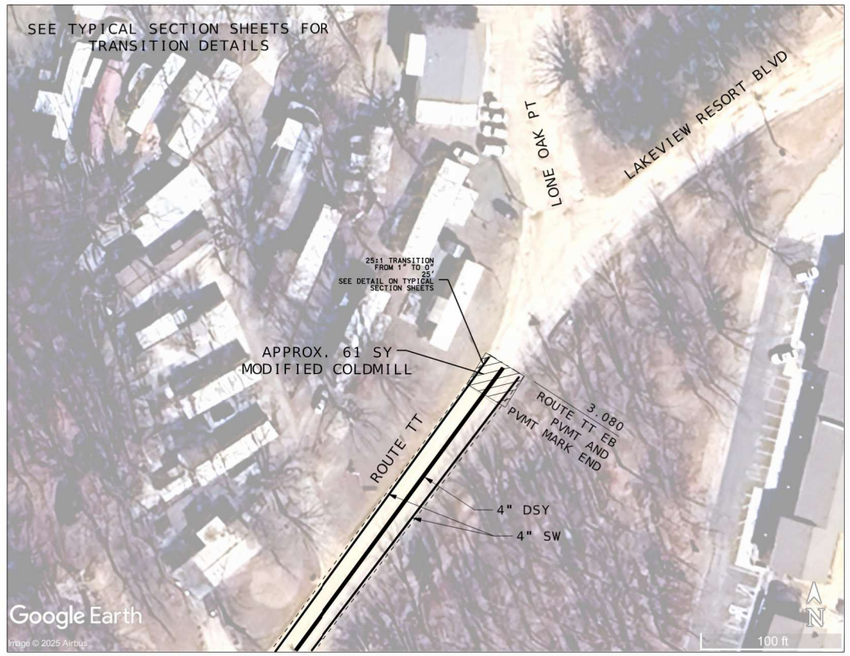
CONTRACT ID.

PROJECT NO.

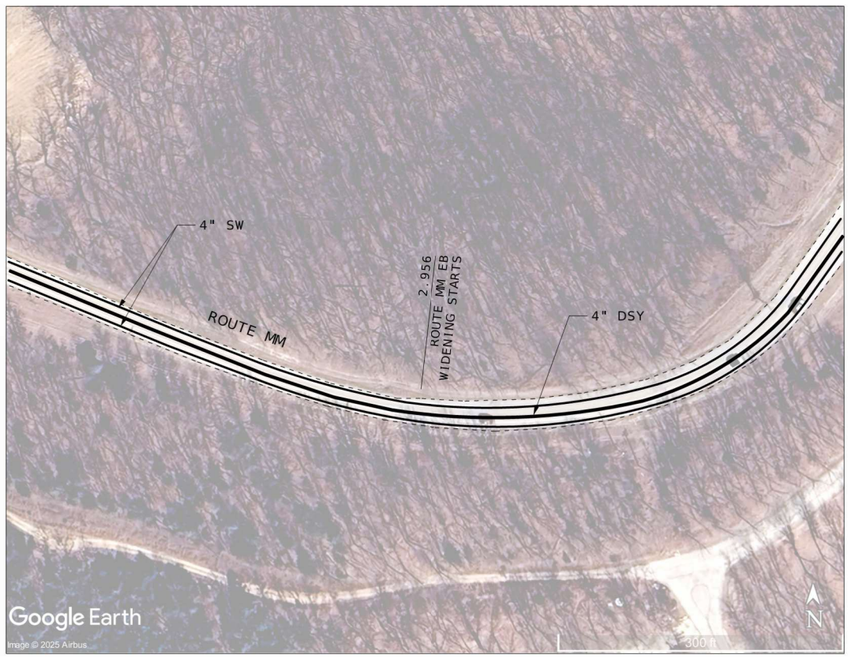
BRIDGE NO.

DESCRIPTION	DATE

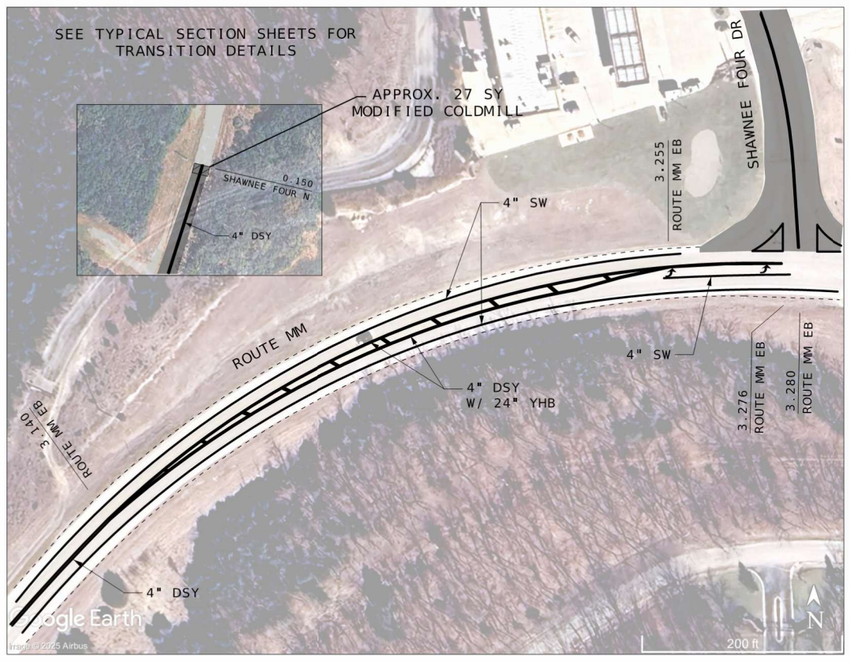
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



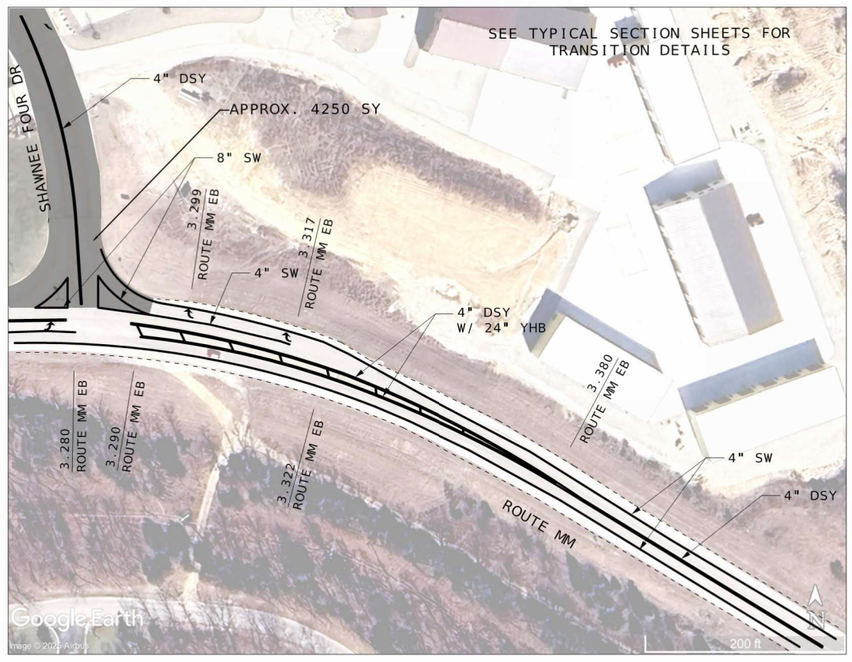
ROUTE TT END
LOG MILE 3.080 EB



ROUTE MM BEGIN WIDENING
LOG MILE 3.080 EB



ROUTE MM AND SHAWNEE FOUR DR INTERSECTION
LOG MILE 3.280 EB



ROUTE MM AND SHAWNEE FOUR DR INTERSECTION
LOG MILE 3.280 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 3 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:56:27 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	6

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

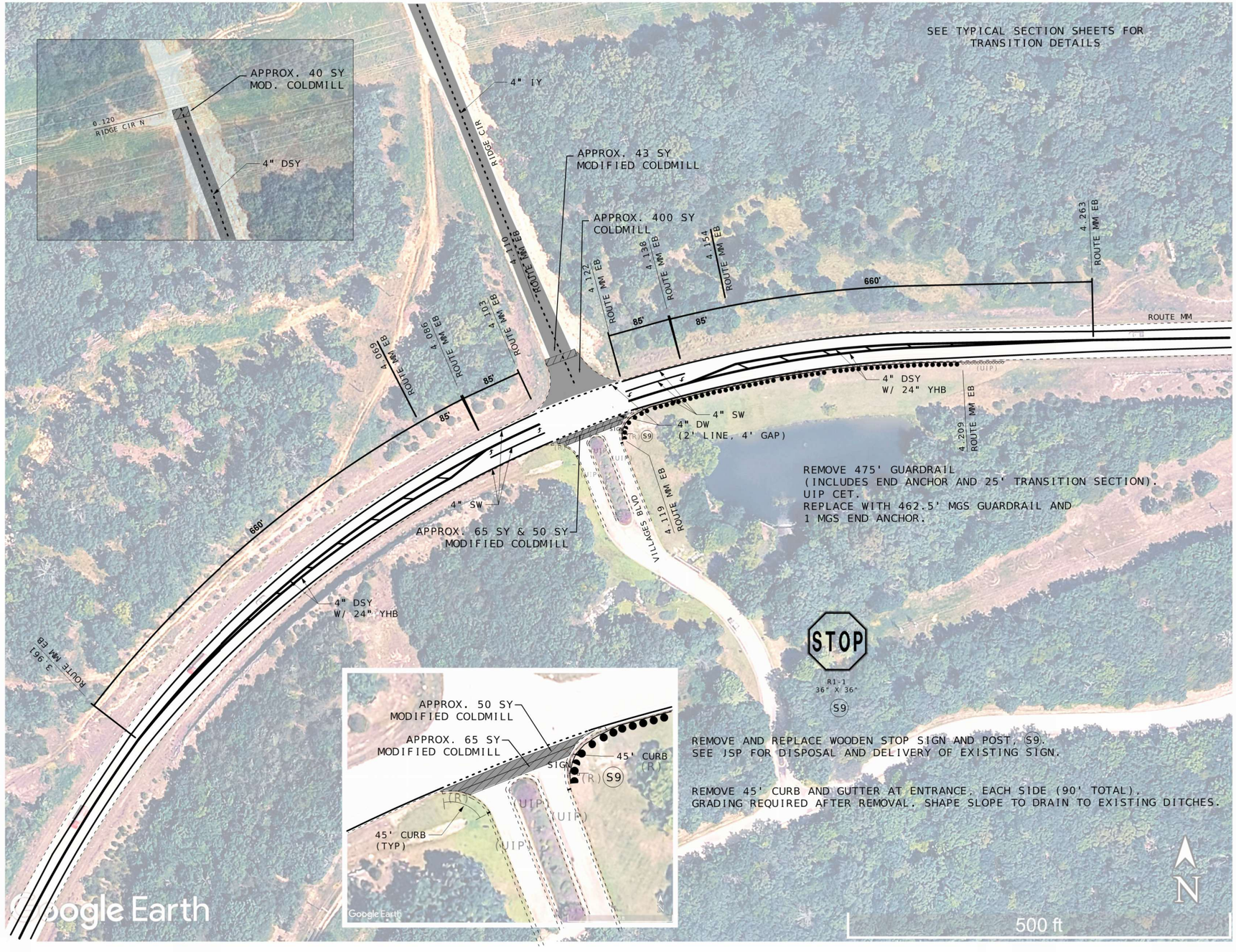
CONTRACT ID.

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)



RIDGE CIRCLE / VILLAGES WAY INTERSECTION
ROUTE MM LOG MILE 4.110 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 4 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:57:01 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

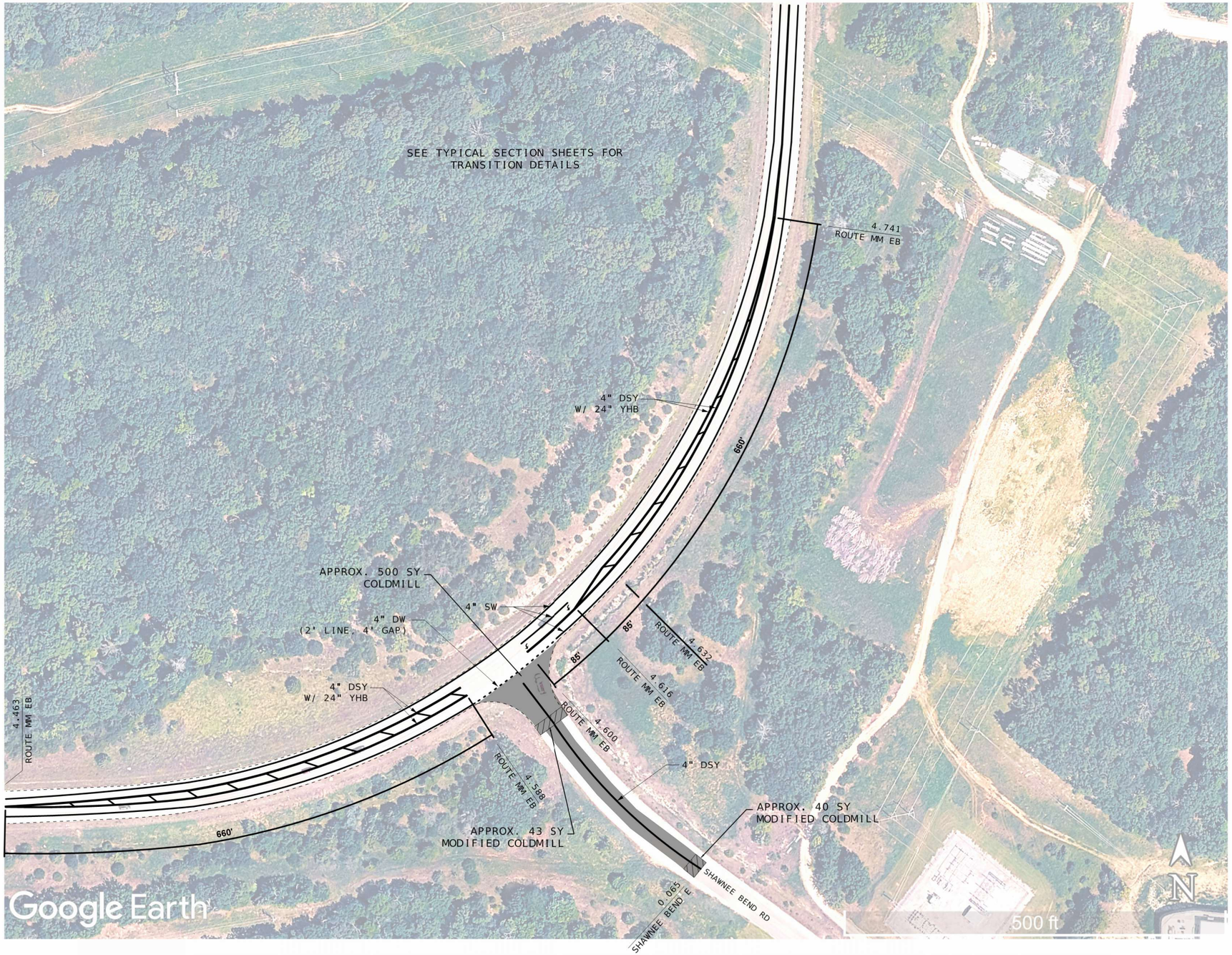
CONTRACT ID.

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)



SHAWNEE BEND RD INTERSECTION
ROUTE MM LOG MILE 4.600 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 5 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:57:21 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	8

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

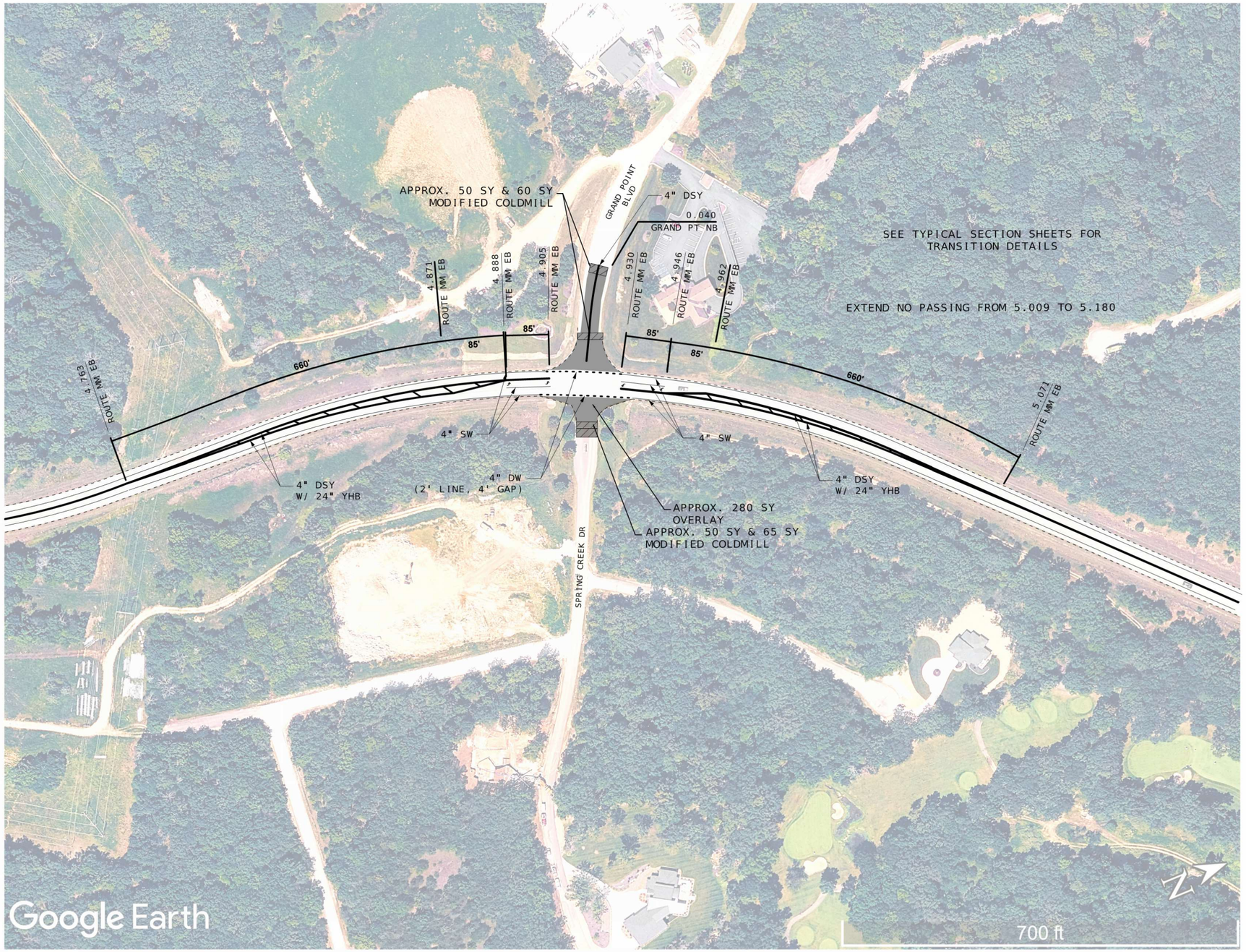
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



GRAND POINT / SPRING CREEK DR INTERSECTION
ROUTE MM LOG MILE 4.920 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 6 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:57:39 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	9

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

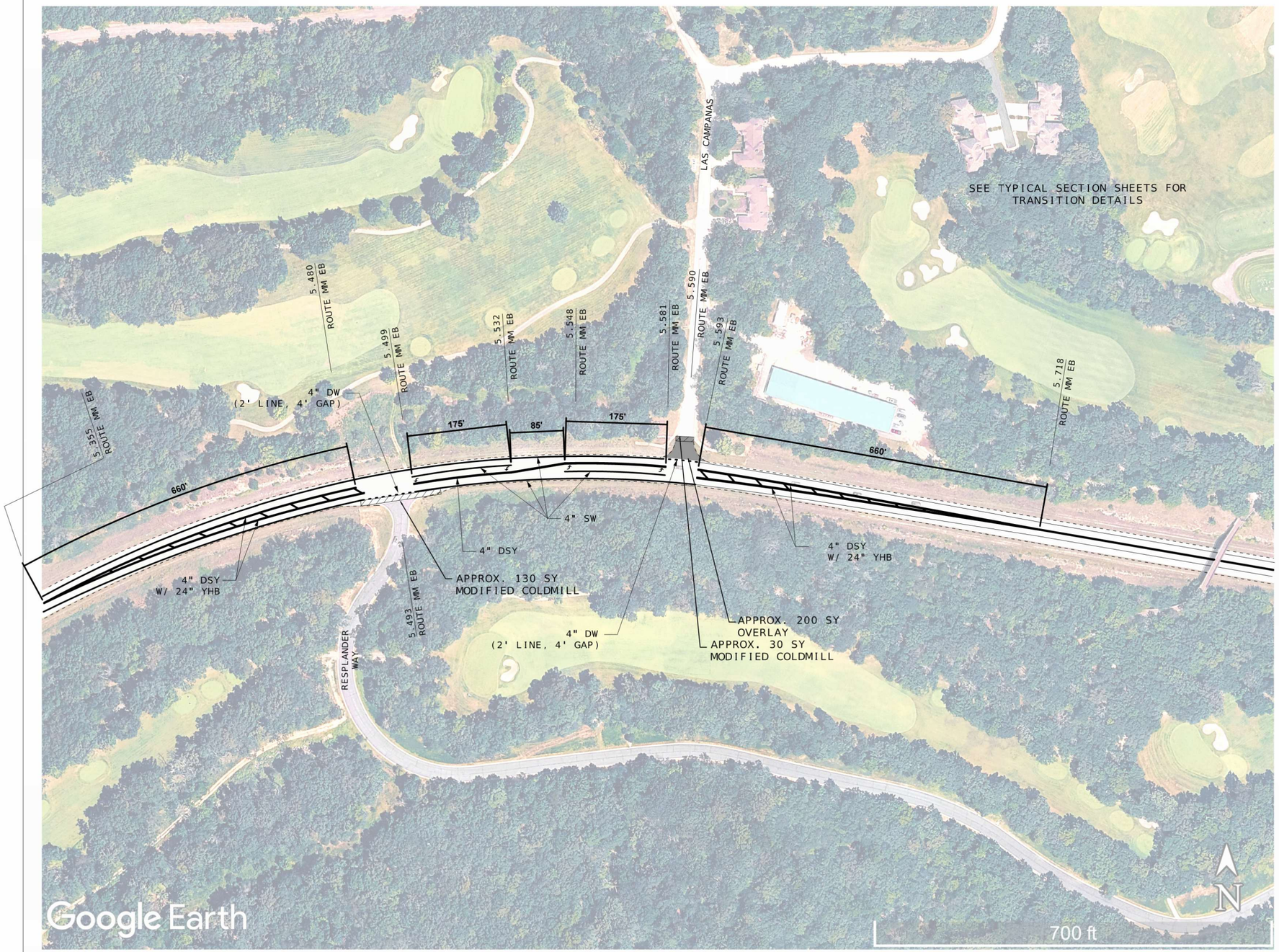
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



NOT TO SCALE

RESPLANDER WAY / LAS CAMPANAS INTERSECTIONS
ROUTE MM LOG MILE 5.493 EB AND 5.590 EB

SPECIAL SHEET
SHEET 7 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:57:58 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	10

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

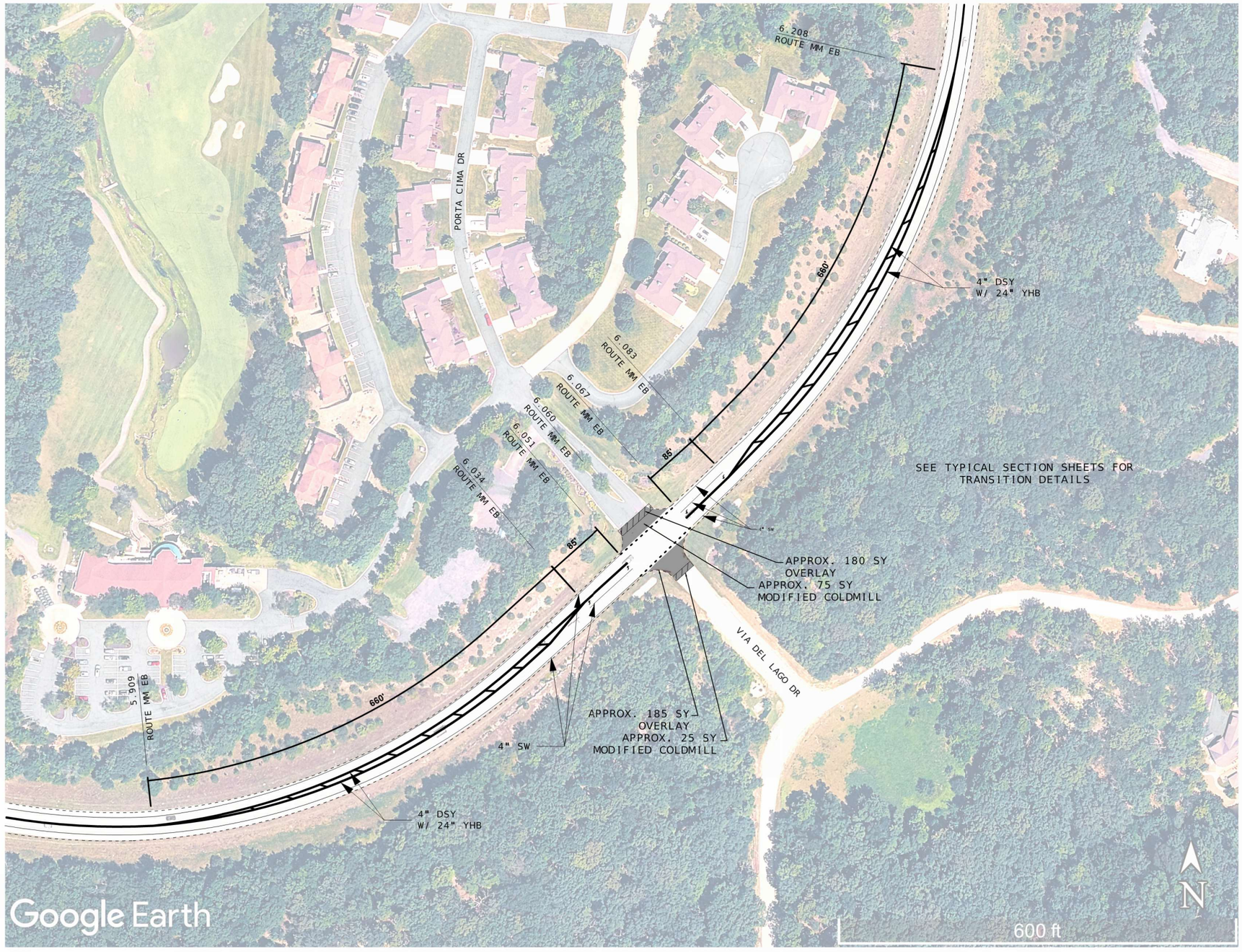
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



PORTA CIMA DR / VIA DEL LAGO DR INTERSECTION
ROUTE MM LOG MILE 6.060 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 8 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/03/2026 11:58:26 AM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
8/3/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	11

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

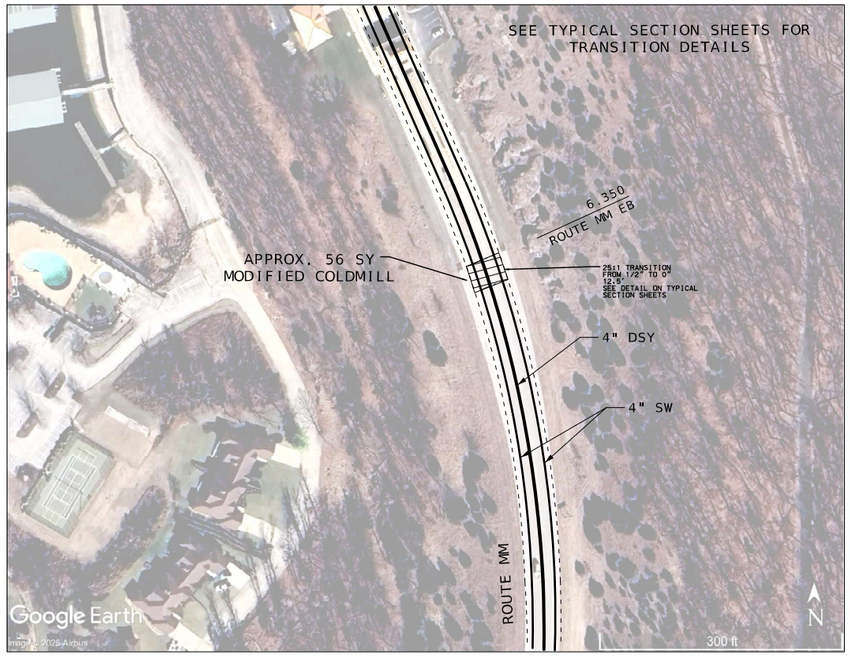
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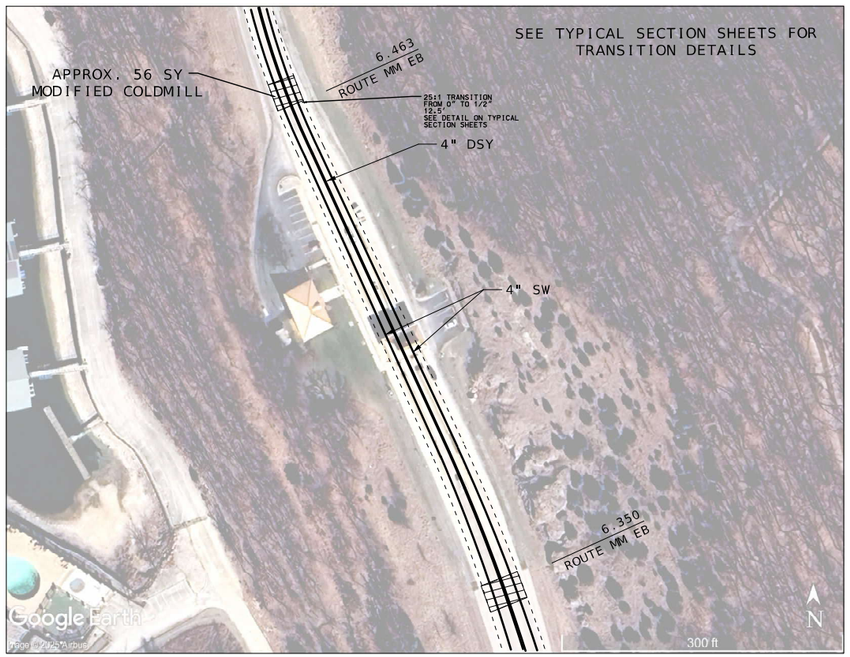
BRIDGE NO.

DESCRIPTION	DATE

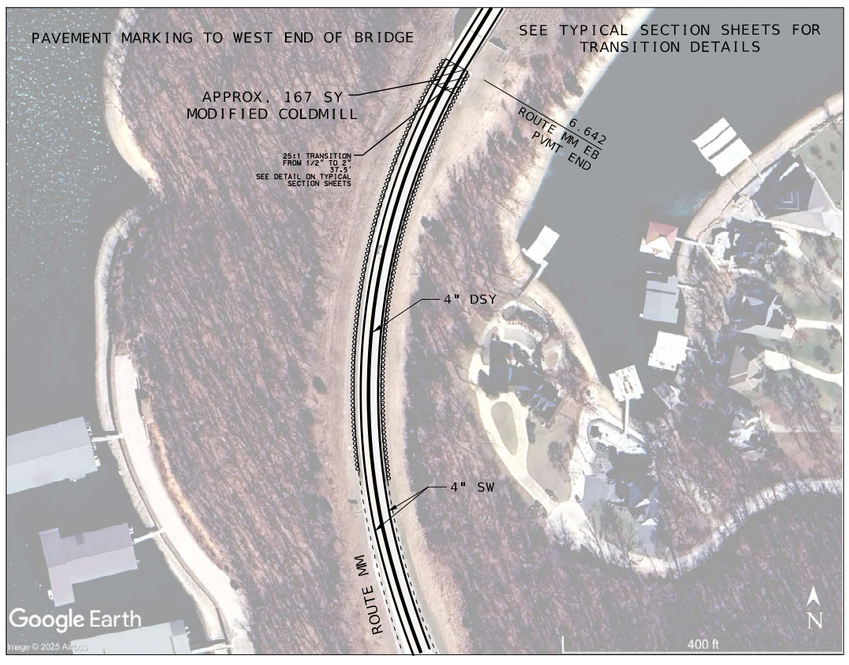
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



ROUTE MM AND ASPHALT / CONCRETE JOINT
LOG MILE 6.350 EB



ROUTE MM AND ASPHALT / CONCRETE JOINT
LOG MILE 6.463 EB



ROUTE MM END
LOG MILE 6.642 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 9 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22.2026 12:58:58 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	12

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

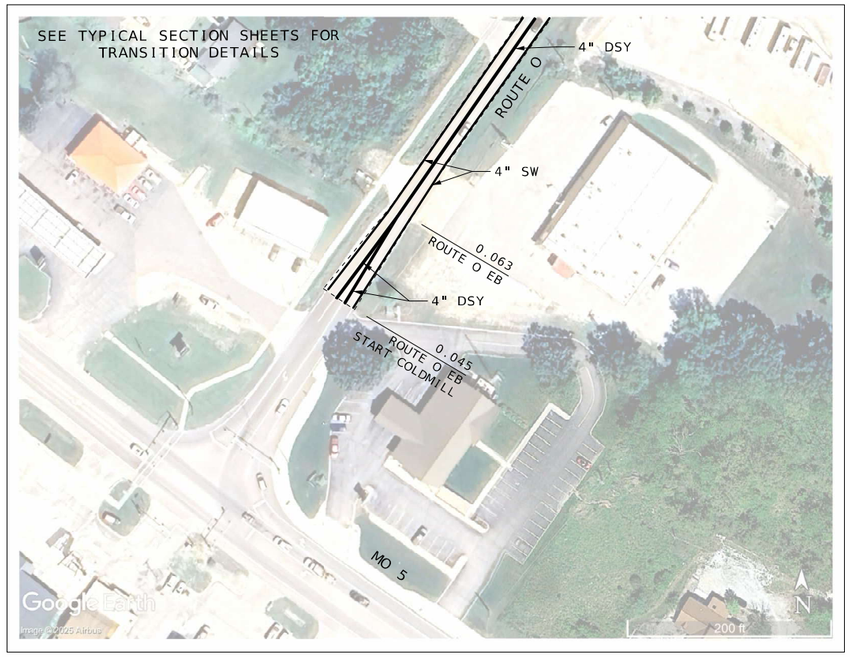
PROJECT NO.

BRIDGE NO.

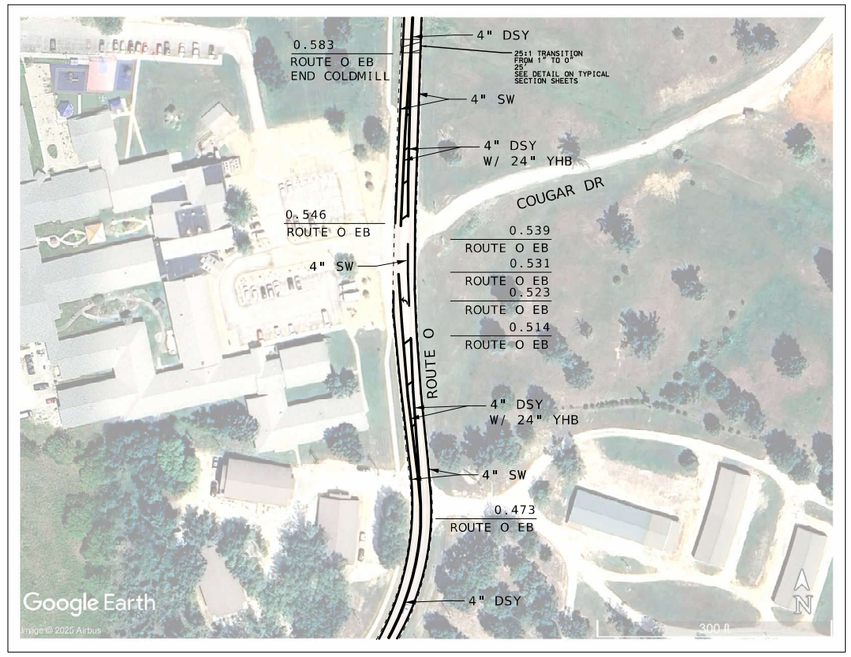
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

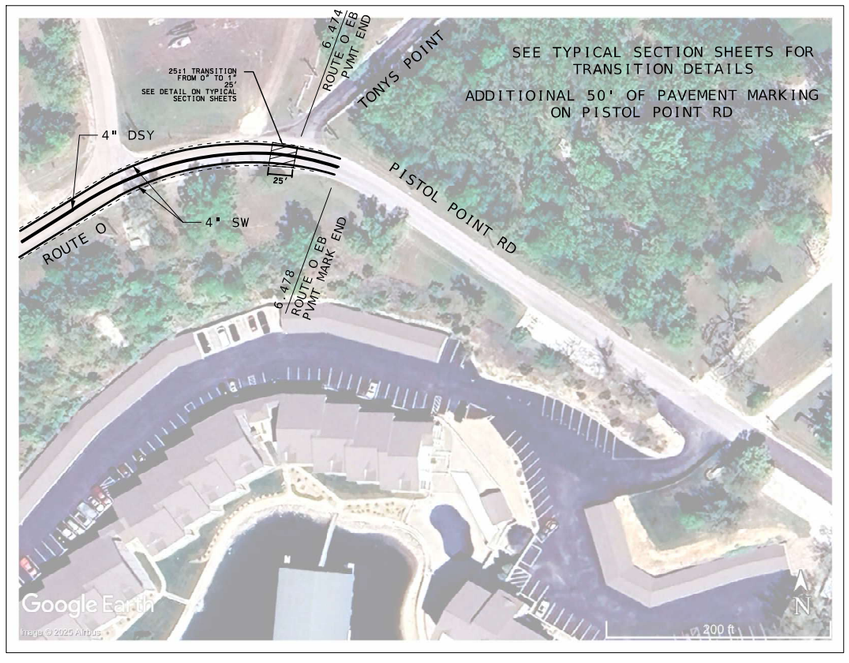
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



ROUTE O BEGIN
LOG MILE 0.000 EB



ROUTE O WIDENING
LOG MILE 0.505 EB



ROUTE O END
LOG MILE 6.474 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 10 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22/2026 1:07:22 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	13

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

PROJECT NO.

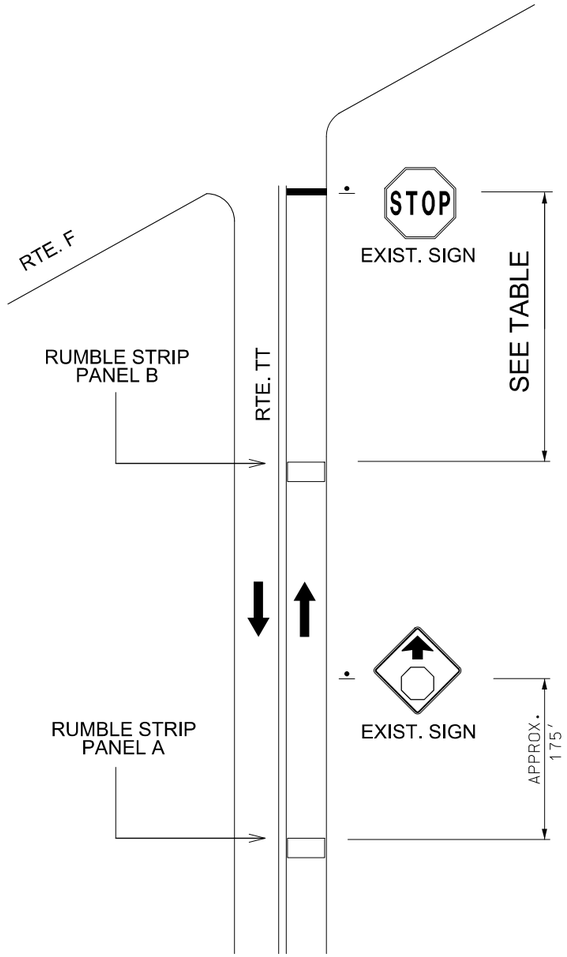
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL RUMBLE STRIP PANEL LOCATIONS

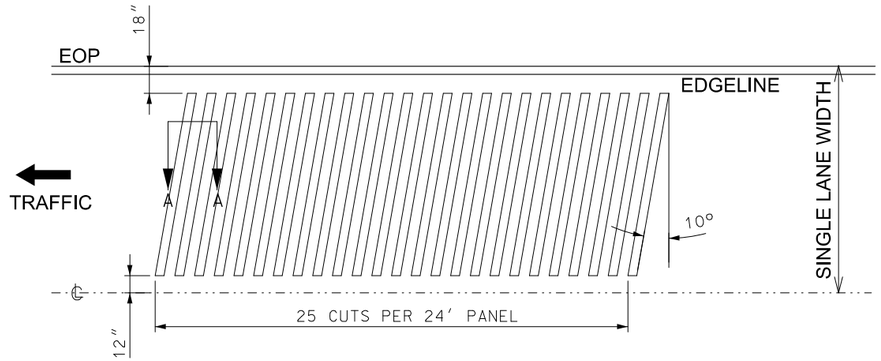


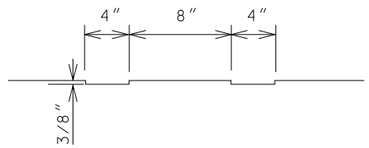
POSTED OR 85TH PERCENTILE SPEED (MPH)	RUMBLE STRIP PANEL B
0-45	N/A
50	250 FT
55	300 FT
60	350 FT
65	425 FT

NOTE:

POSTED SPEED IN THIS LOCATION IS 45 MPH, USE 50 MPH DISTANCE.

TYPICAL TRANSVERSE RUMBLE STRIP DIMENSIONS





SECTION A-A

NOTES:

TRANSVERSE RUMBLE STRIP CUT IN HMA PAVEMENT

NOT TO SCALE

SPECIAL SHEET
SHEET 11 OF 11

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
08/22/2025 1:08:24 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	14

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

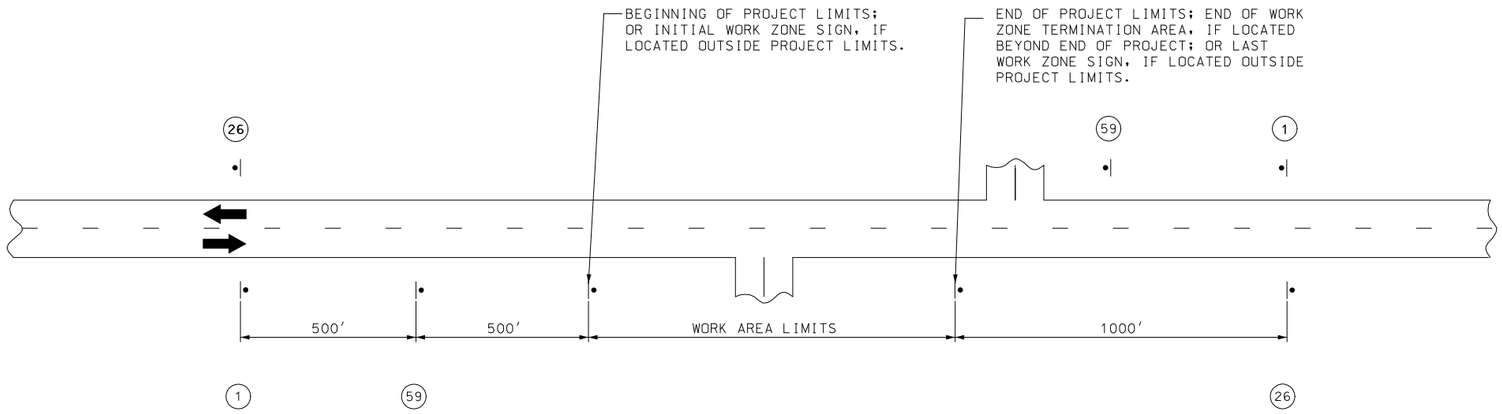
CONTRACT ID.

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)

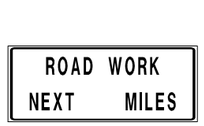


NOTES:

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

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



G020-1

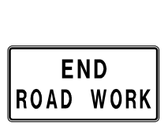
(1)

ROUTE F – 5 MILES
ROUTE TT – 3 MILES
ROUTE MM – 7 MILES
ROUTE O – 7 MILES



CONST-8

(59)



G020-2

(26)

TEMPORARY TRAFFIC CONTROL SHEET
BEGIN/END PROJECT SIGNING
SHEET 1 OF 6

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22/2026 1:12:32 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	15

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

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)



W020-1

(2)



W020-4

(7)



W020-7a

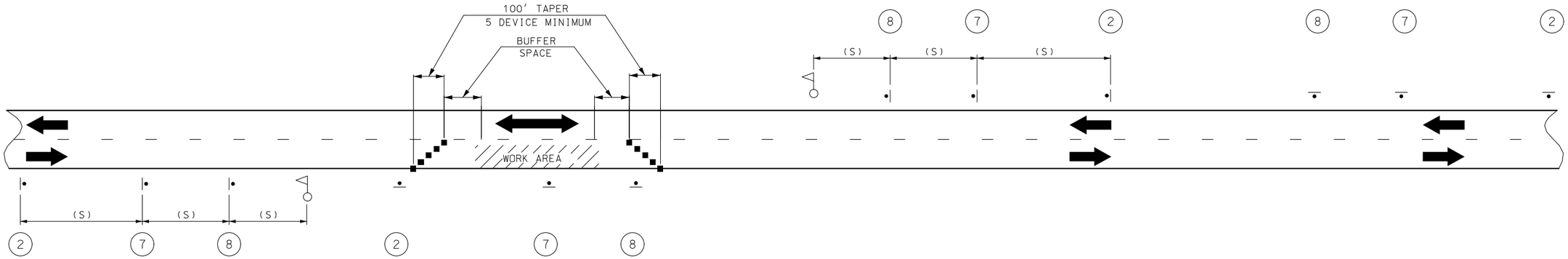
(8)



G020-4

(53)

SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



SET 1	SET 2	SET 3	SET 4
ACTIVE	INACTIVE	ACTIVE	INACTIVE

NOTES:

THIS PLAN IS FOR DAYLIGHT FLAGGING OPERATIONS ONLY. WHEN NIGHT WORK IS REQUIRED, OR OTHERWISE ALLOWED BY THE ENGINEER, WORK ZONE LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH SEC 616.5.2.

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.

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

SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TEMPORARY TRAFFIC CONTROL SHEET
MOVING OPERATION
SHEET 2 OF 6

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 1:12:50 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	16

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

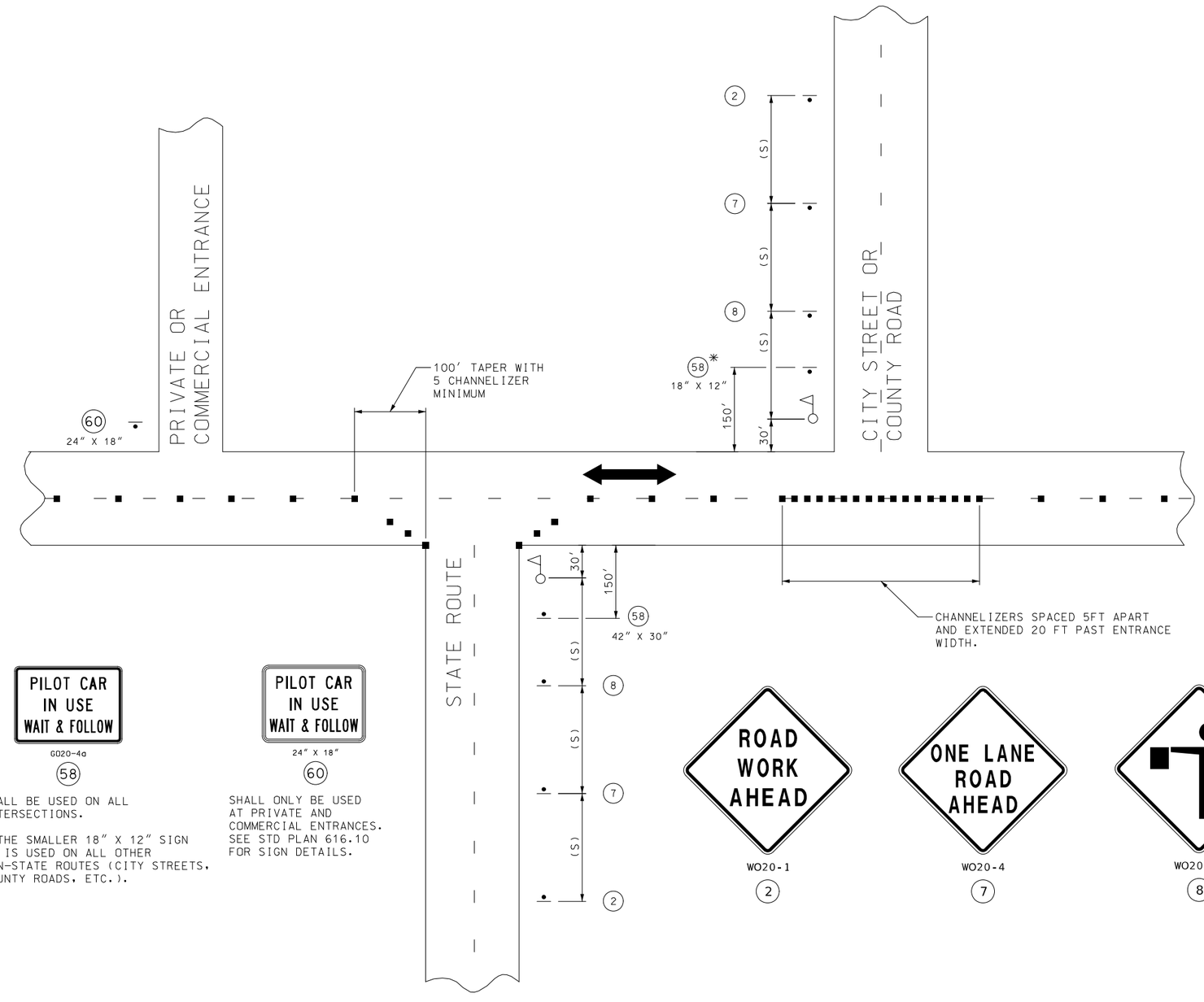
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/ WORK AREA (TYP.)
0-35	200	40
40-45	350	80
50-55	500	80
60-70	1000	120

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET 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

NOT TO SCALE

G020-4a

58

SHALL BE USED ON ALL INTERSECTIONS.

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

24" X 18"

60

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

WO20-1

2

WO20-4

7



WO20-7a

8

SIDE ROADS ENTERING WORK ZONES

TEMPORARY TRAFFIC CONTROL SHEET
SIDE ROADS ENTERING WORK ZONE
SHEET 3 OF 6

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 1:13:21 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	17

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

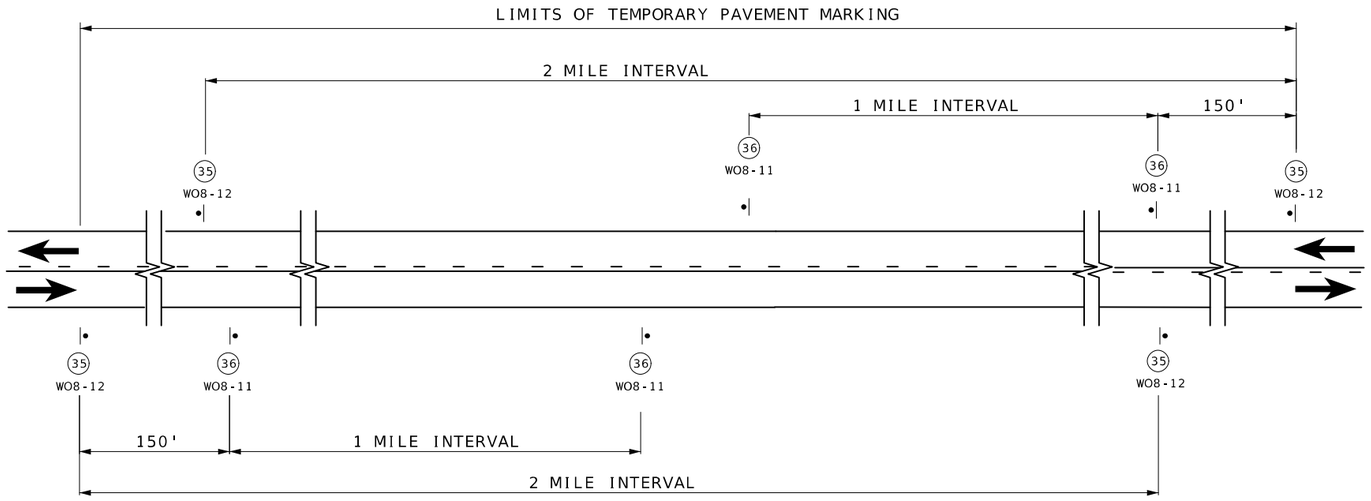
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BRIDGE NO.

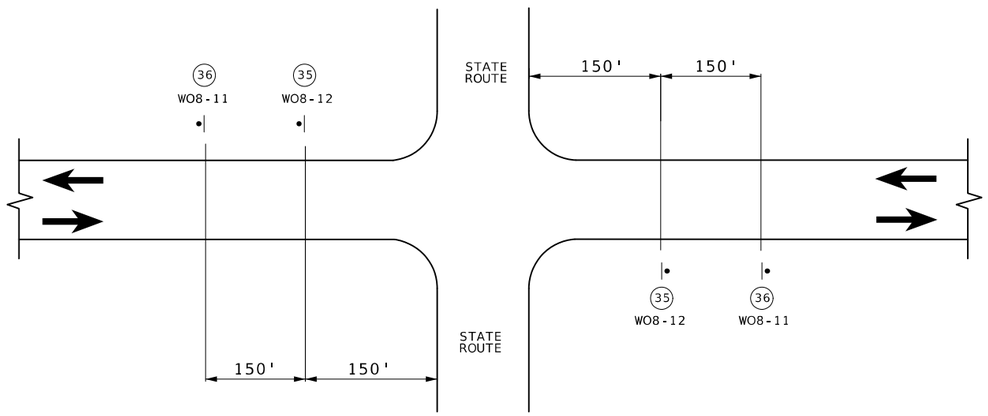
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS
SHOWING TEMPORARY STRIPING FOR MAINLINE





NOTES:

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

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

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

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
NO CENTER/UNEVEN LANES SIGNS
SHEET 4 OF 6

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22/2026 1:13:36 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	18

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

CONTRACT ID.

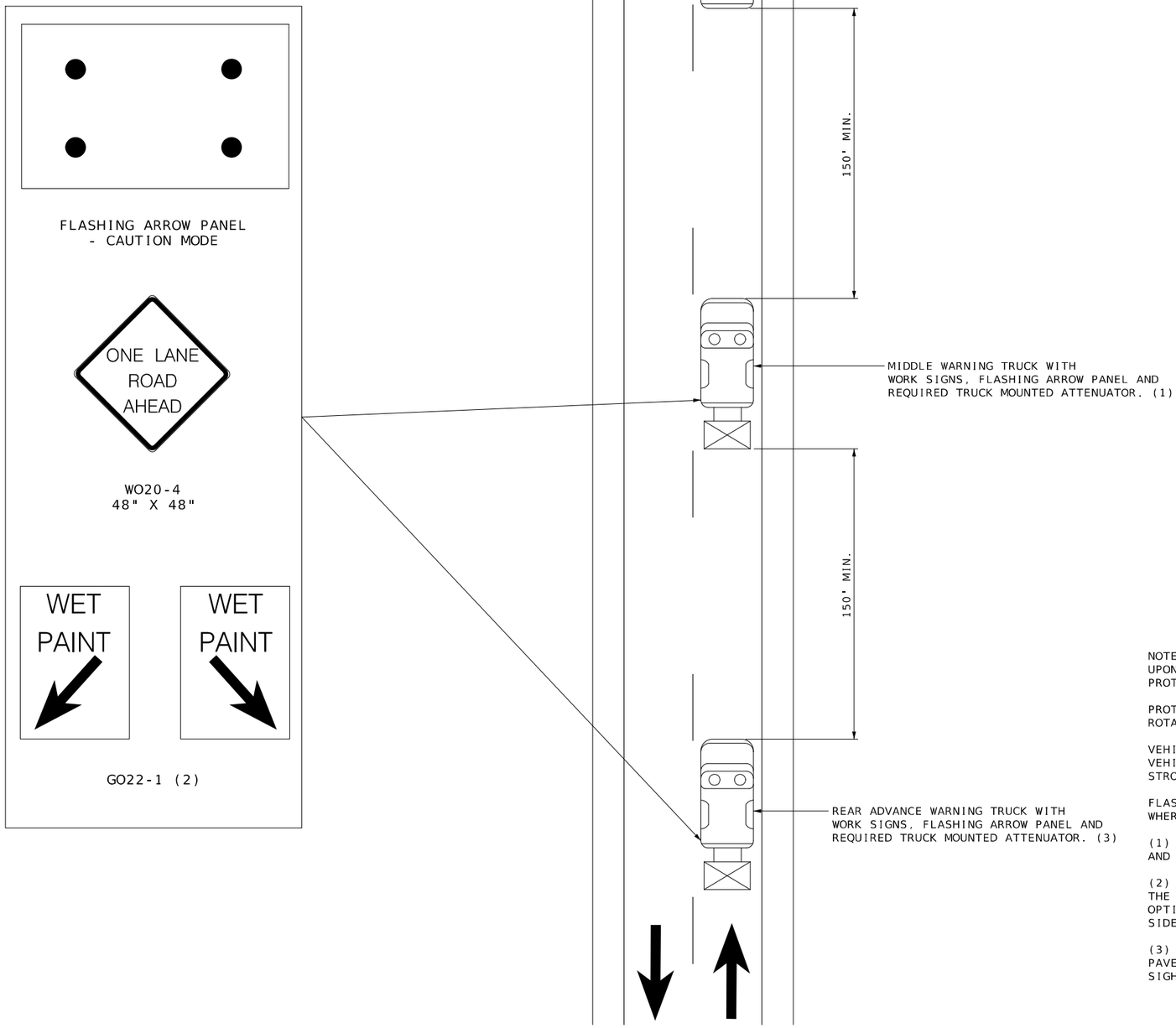
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



NOTES:
UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

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

CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

TEMPORARY TRAFFIC CONTROL SHEET
STRIPING - TWO LANE
SHEET 5 OF 6

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
05/22/2026 1:13:47 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	19

COUNTY
CAMDEN/MORGAN

JOB NO.
JCD0178

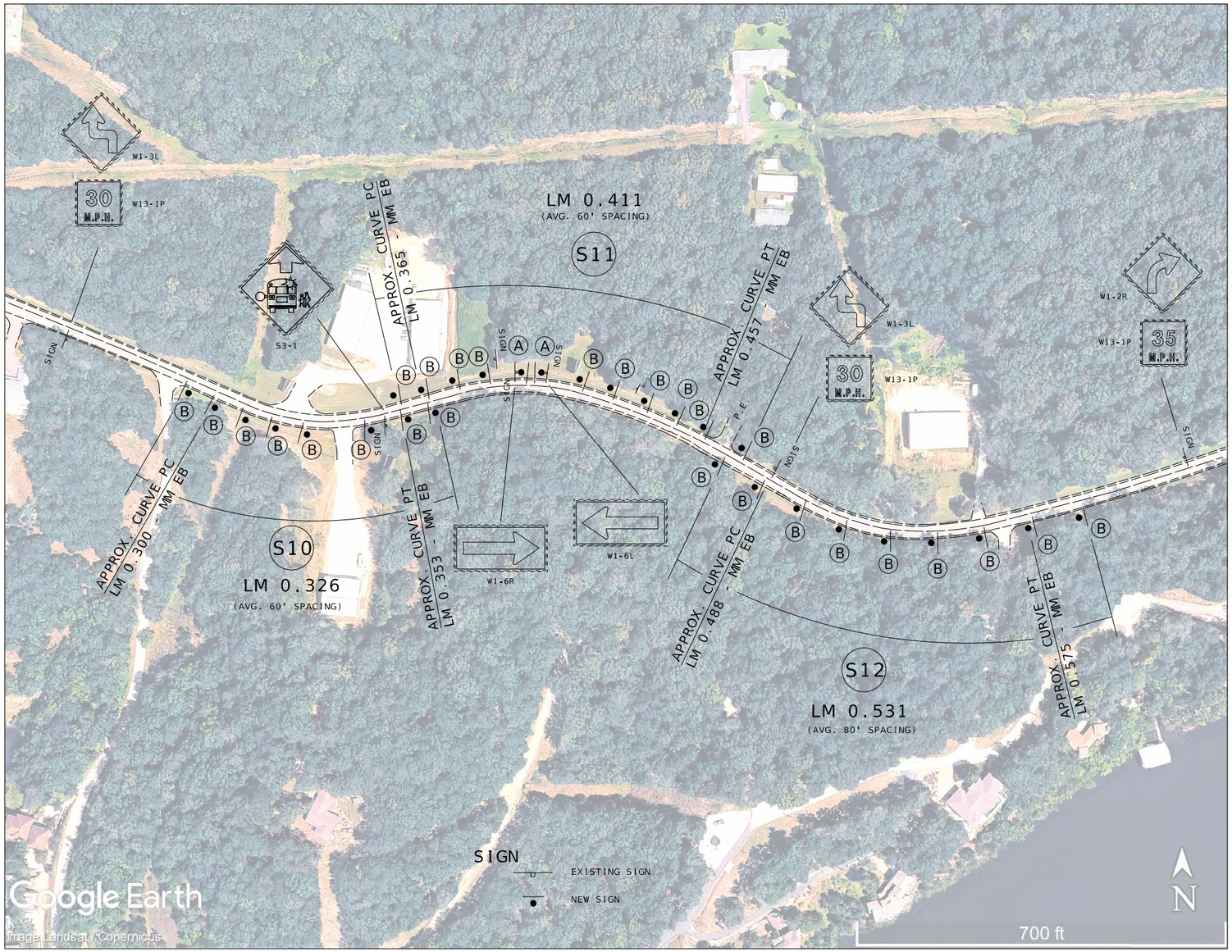
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

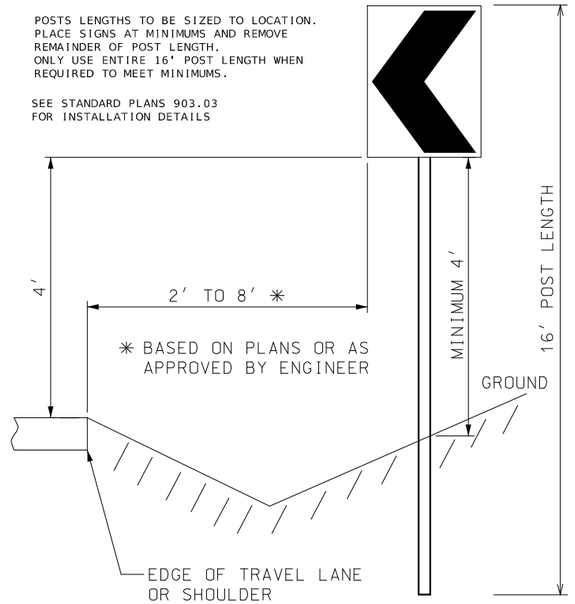
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



U-CHANNEL MOUNTING HEIGHT DETAIL

POSTS LENGTHS TO BE SIZED TO LOCATION.
PLACE SIGNS AT MINIMUMS AND REMOVE
REMAINDER OF POST LENGTH.
ONLY USE ENTIRE 16' POST LENGTH WHEN
REQUIRED TO MEET MINIMUMS.

SEE STANDARD PLANS 903.03
FOR INSTALLATION DETAILS



NOTE: U-CHANNEL POSTS ARE PAID AS 16 LINEAR FOOT UNLESS OTHERWISE STATED IN PLANS. CONTRACTOR IS RESPONSIBLE TO PROPERLY PLACE SIGN AS SHOWN ABOVE.

(A) W1-8 ** — A SINGLE SIGN, WITH CHEVRON FACE PRINTED ON ONE SIDE.

(B) W1-8D — A SINGLE SIGN, WITH CHEVRON FACE PRINTED ON BOTH SIDES.

** A SINGLE-SIDED CHEVRON NEEDS TO BE INSTALLED BEHIND THE ARROW BOARD TO FILL A VISUAL GAP IN THE CHEVRON SIGNING FOR THE OPPOSING DIRECTION OF TRAFFIC DUE TO THE ARROW BOARD REPLACING ONE DOUBLE-SIDE CHEVRON.

SIGNING SHEET
SHEET 2 OF 2

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 1:14:09 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED: 6/17/2026

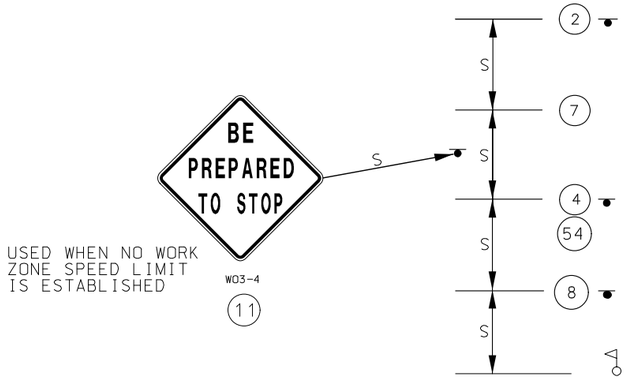
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	22

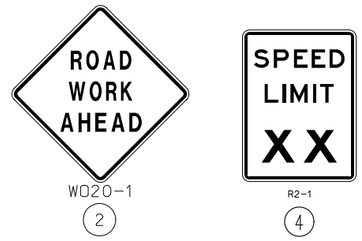
COUNTY: CAMDEN / MORGAN
JOB NO.: JCD0178
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



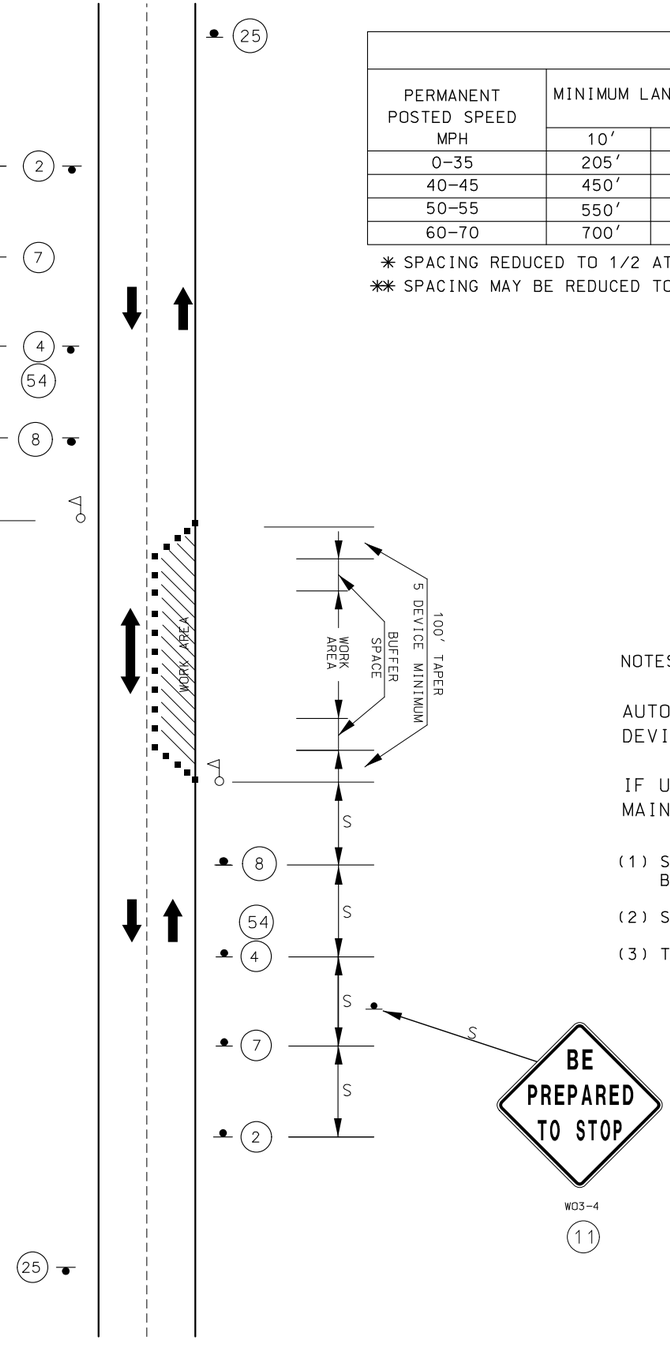












LANE CLOSURE ON TWO-LANE
ROAD USING FLAGGERS

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3) (T2)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10′ SHOULDER (T1)	BUFFER LENGTH FT. (B)	MAXIMUM CHANNELIZER SPACING	
	10′	11′	12′			THROUGH TAPER	THROUGH WORK AREA
0–35	205′	225′	245′	70′	250′	35′✳	40′✳
40–45	450′	495′	540′	150′	360′	40′✳	80′✳
50–55	550′	605′	660′	185′	495′	50′✳✳	80′✳✳
60–70	700′	770′	840′	235′	730′	60′✳✳	120′✳✳

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

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

NOTES:

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AND ALTERNATIVE FLAGGING OPERATION.

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

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

(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS ND VISIBILTY.

(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10′ SHOULDER.

TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE ON 2-LANE ROAD
USING FLAGGERS
SHEET 6 OF 6

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 1:13:55 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED
6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	20

COUNTY
CAMDEN / MORGAN

JOB NO.
JCD0178

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

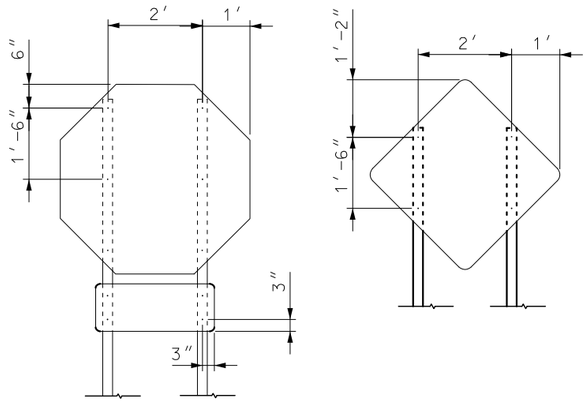
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SIGNS					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE							EFFECTIVE 07-01-2024
					2" X 3/8" BARS @ 2.55 LBS PER LIN FT 9039911					2.5-INCH POST						BREAK-AWAY ASSEMBLY	
SIGN NO OR SET NO	SIGN SIZE FTXFT	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD	LOCATION	NO EACH	LGTH IN	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A LF	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	ANCHORS CONCRETE 7 GA. ITEM NO. 9031285 EACH	ITEM NO. 9031241 EACH	REMARKS AND OTHER REQUIRED ITEMS
S1	4x4	1.774		RT. TT RT						16	16	32			2	2	
S2	4x4	1.827		RT. TT RT						16	16	32			2	2	INCLUDES RETROREFLECTIVE STRIPS
	2.5X1																
S3	4x4	1.827		RT. TT LT						16	16	32			2	2	INCLUDES RETROREFLECTIVE STRIPS
	2.5X1																
S4	3x3	1.831		RT. TT LT						16		16			1		
S5	4x4	1.843		RT. TT LT						16	16	32			2	2	INCLUDES RETROREFLECTIVE STRIPS
	2.5X1																
S6	4x4	1.910		RT. TT LT						16	16	32			2	2	
S7	4x4	0.010		RT. MM LT						16	16	32			2	2	INCLUDES RETROREFLECTIVE STRIPS
	2.5X1																
S8	4x4	0.089		RT. MM LT						16	16	32			2	2	
S9	3x3	4.119		RT. MM RT						16		16			1		
S10	1.5X2	0.326		RT. MM RT					128								
S11	1.5X2	0.411		RT. MM LT					192								
S12	1.5X2	0.531		RT. MM RT					144								
				SUBTOTAL					464			256			16	14	
				TOTAL					464			256			16	14	

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CONTRACTOR SHALL INSTALL RETROREFLECTIVE STRIPS/PANELING ON PSST POSTS ON NOTED R1-1 "STOP" SIGNS - NO DIRECT PAY

** BACKING BARS ARE TOTALED WITH PIPE POSTS



SUPPLEMENTARY SIGN PLACEMENT AND HOLE PUNCHING DIMENSIONS (OVERSIZED SIGNS)

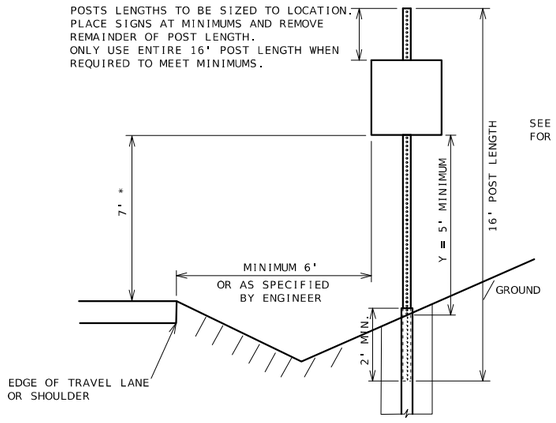
HOLE PUNCH LOCATIONS CAN BE MODIFIED AS APPROVED BY ENGINEER

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES										SIGN SUMMARY					
			TYPE										SIZE, TYPE & SQ FT		
SIGN NUMBER OR SET NUMBER	LOG MILE	LOCATION	W3-1	R1-1	R1-3P	R1-1	W1-8	W1-8D		STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO	NO EACH	SIZE	FLAT SHEET SH ITEM NO 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO 9035069A
			SIGN DESC., SIZES & # OF EACH												
			48" X 48"	48" X 48"	30" X 12"	36" X 36"	18" X 24"	18" X 24"							
S1	1.774	RT. TT RT	1							W3-1	STD.	3	4'X4'		48
S2	1.827	RT. TT RT		1	1					R1-1	STD.	4	4'X4'	64	
S3	1.827	RT. TT LT		1	1					R1-3P	STD.	5	2.5'X1'	12.5	
S4	1.831	RT. TT LT			1	1				R1-1	STD.	2	3'X3'	18	
S5	1.843	RT. TT LT		1	1					W1-8	STD.	2	1.5'X2'		6
S6	1.910	RT. TT LT	1							W1-8D	STD.	27	1.5'X2'		81
S7	0.010	RT. MM LT		1	1										
S8	0.089	RT. MM LT	1										TOTAL	95	135
S9	4.119	RT. MM RT				1									
S10	0.326	RT. MM RT						8		* ORANGE, YELLOW & YELLOW/GREEN					
S11	0.411	RT. MM LT					2	10							
S12	0.531	RT. MM RT						9							

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PSST MOUNTING HEIGHT DETAIL



SEE STANDARD PLANS 903.03 FOR INSTALLATION DETAILS

POSTS - 12 GAUGE - 2.5" X 2.5"

ANCHORS - 7 GAUGE - 3" X 3" O.D.

BREAKAWAY - CERTIFIED NCHRP 350 COMPLIANT USE REQUIRED FOR DOUBLE POST INSTALLATIONS ONLY

GALVANIZATION - ALL PSST POSTS, ANCHORS AND BREAKAWAY CASTINGS SHALL BE GALVANIZED PER MoDOT STANDARD SPECIFICATIONS

* 7' MINIMUM REQUIRED IN URBAN APPLICATIONS AND PREFERRED IN RURAL APPLICATIONS.
IN RURAL APPLICATIONS ONLY - IN SITUATIONS WHERE THE 7' MINIMUM CAN NOT BE ATTAINED WITH A 16' PSST A RANGE OF 5'- 7' CAN BE USED AS LONG AS DISTANCE "Y" IS ALSO MAINTAINED.

NOTE: PERFORATED SQUARE STEEL TUBE (PSST) POSTS ARE PAID AS 16 LINEAR FOOT UNLESS OTHERWISE STATED IN PLANS. CONTRACTOR IS RESPONSIBLE TO PROPERLY PLACE SIGN AS SHOWN ABOVE IN "MOUNTING HEIGHT DETAIL"

SIGNING SHEET
SHEET 1 OF 2

STATE OF MISSOURI
CHASE N. BARBARICK
NUMBER PE-2022017855
PROFESSIONAL ENGINEER
06/22/2026 1:16:04 PM
CHASE N. BARBARICK - CIVIL
MO-PE-2022017855

DATE PREPARED 6/17/2026

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
CD	21

COUNTY: CAMDE/MORGAN

JOB NO.: JCD0178

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DESCRIPTION | DATE

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105 WEST CAPITOL
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