

DESIGN DESIGNATION

BU 67	RTE M
S/O PP	S/O TOWNSHIP LINE RD
A.A.D.T. - 2025 =	26,520
A.A.D.T. - 2045 =	29,302
D.H.V. =	7.70%
T =	5.03%
V =	35/45 M.P.H.
	45/50 M.P.H.

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL, PRINCIPAL ARTERIAL, MINOR COLLECTOR

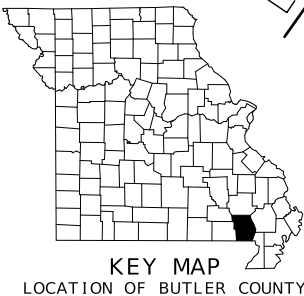
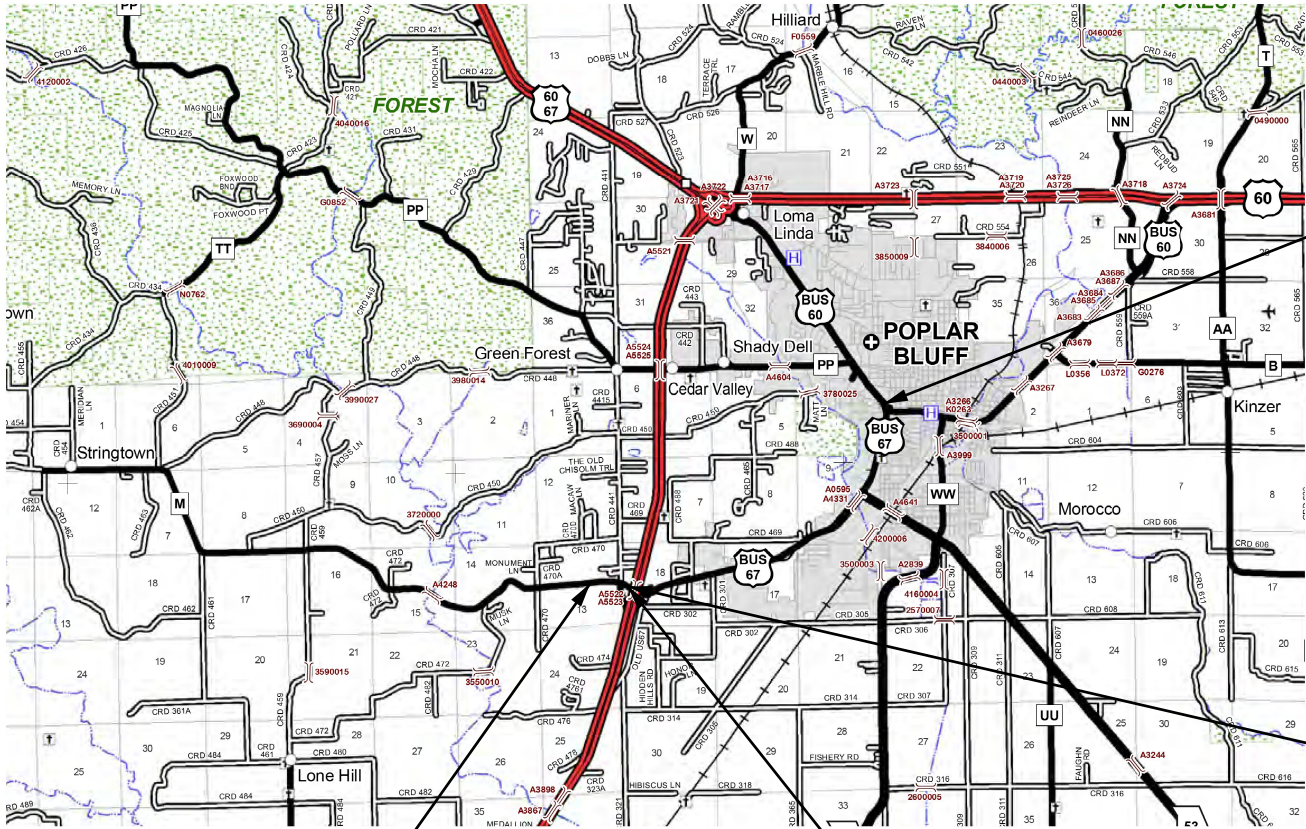
NO NEW R/W

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
BUTLER COUNTY



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (3 SHEETS)	2
QUANTITIES (QU) (5 SHEETS)	3
SPECIAL SHEETS (SS)	4-7
TRAFFIC CONTROL SHEETS (TC)	8-10



DATE PREPARED
1/24/2025

ROUTE STATE
BUS 67 MO

DISTRICT SHEET NO.
SE 1

COUNTY
BUTLER

JOB NO.
J9S3602

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

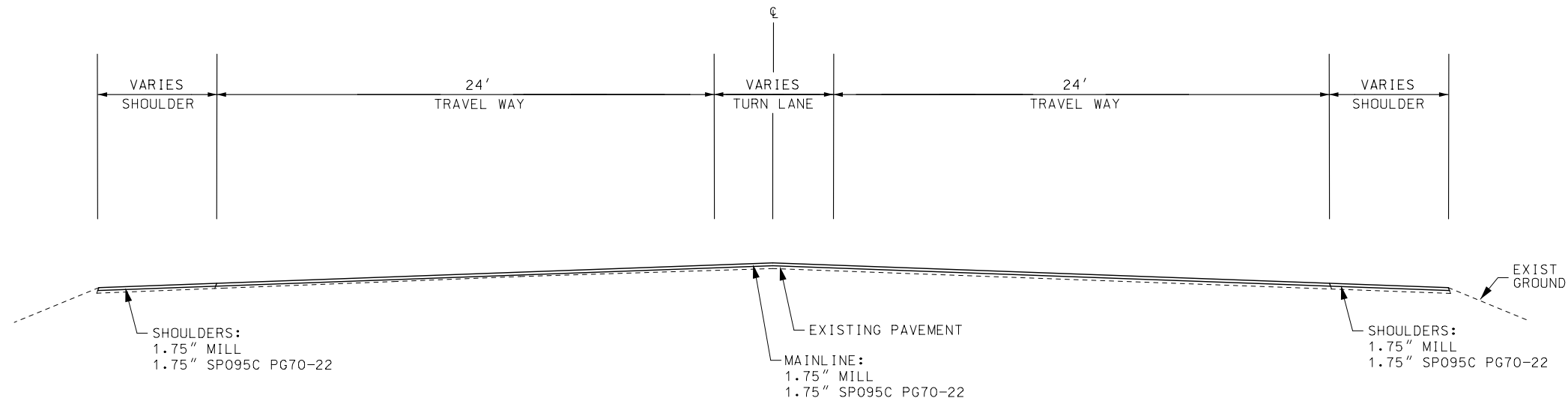
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

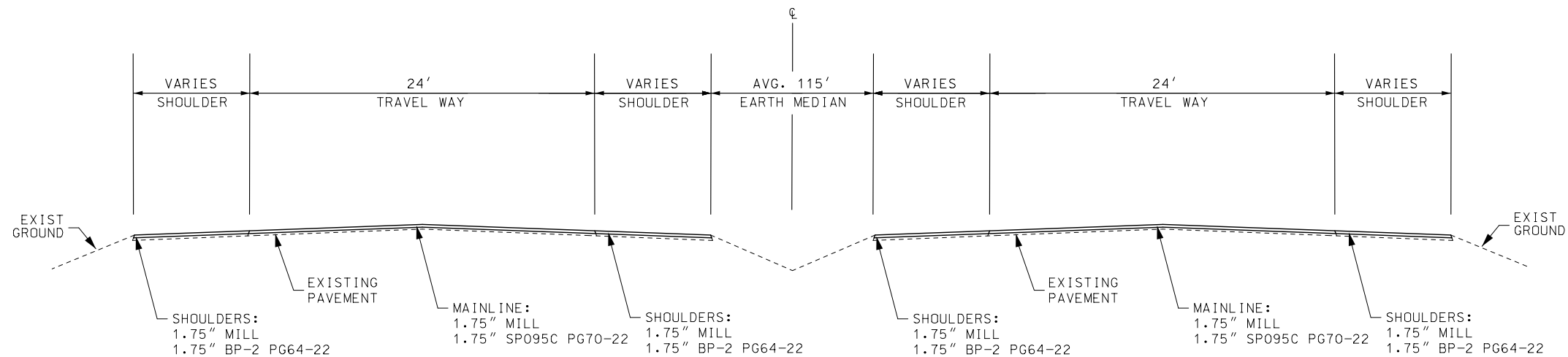
LENGTH OF PROJECT

BU 60	
BEGINNING OF PROJECT	LOG MILE 3.146
END OF SECTION	LOG MILE 3.232
APPARENT LENGTH	0.086 MILES
BU 67	
BEGINNING OF SECTION	LOG MILE 3.539
END OF SECTION	LOG MILE 7.706
APPARENT LENGTH	4.167 MILES
RTE M	
BEGINNING OF SECTION	LOG MILE 8.052
END OF PROJECT	LOG MILE 7.692
APPARENT LENGTH	0.36 MILES
EQUATIONS AND EXCEPTIONS:	
BR A4331	142 FEET
BR A0595	147 FEET
TOTAL CORRECTIONS	289.00 FEET
NET LENGTH OF PROJECT	24,067.64 FEET
STATE LENGTH	4.558 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES



SECTION ON TANGENT
PROPOSED TYPICAL SECTION BU 67
LM 3.146 TO LM 4.554 (NB/SB)

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
SP095C PG70-22	2.064 TONS/CY
BP-2 PG64-22	2.040 TONS/CY
TACK COAT	0.10 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	



SECTION ON TANGENT
PROPOSED TYPICAL SECTION BU 67
LM 4.539 TO LM 5.122 (NB/SB)

NOTES:

BOTH MAINLINE AND SHOULDERS SHALL BE MILLED AT A DEPTH OF 1.75".

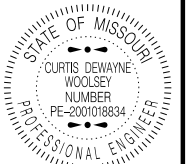
EXISTING SHOULDERS WITH WIDTH OF 2 FT OR LESS TO BE INCLUDED IN MAINLINE SP095 MILL/FILL.

SEE QUANTITIES AND SPECIAL SHEETS FOR ADDITIONAL DETAILS ON WIDTHS AND LOCATIONS.

ANY EXISTING CONCRETE PAVEMENT AND CONCRETE SHOULDERS ARE EXCLUDED FROM THE 1.75" MILL/FILL.

TYPICAL SECTIONS
SHEET 1 OF 3

DRAWING NOT TO SCALE.



Curtis Dewayne Woolsey
02/26/2025 11:24:02 AM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
2/26/2025
ROUTE
BUS 67
DISTRICT
SE
STATE
MO
SHEET NO.
2

COUNTY
BUTLER
JOB 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)

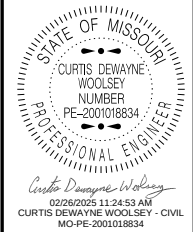


RTE M - BITUMINOUS PAVEMENT & MILLING														
LOG MILE	LOG MILE	RTE	DIR	LENGTH	TRVLWY WIDTH	SHLDR WIDTH	TRVLWY MEASURED AREA	SHLDR MEASURED AREA	THICKNESS	BIT. PVMT 1.75" SP095C PG70-22 (2.064 TON/CY) (TONS)	BIT. PVMT 1.75" BP-2 PG64-22 (2.040 TON/CY) (TONS)	TACK COAT LOW TRACKING OR NON TRACKING (0.10 GAL/SY) (GAL)	COLDMILLING BIT. PVMT 3 IN THICK OR LESS (SY)	REMARKS
7.692	7.743	RTE M	EB/WB/CL	269.3	29	13	7809.7	3500.9	1.75	87.1	38.6	125.7	1256.7	1.75" MILL/FILL - BEGIN RTE M
7.743	7.799	RTE M	EB/WB/CL	295.7	38	20	11236.6	5914.0	1.75	125.3	65.2	190.6	1905.6	1.75" MILL/FILL
7.799	7.815	RTE M	EB/WB/CL	84.5	38	10	3211	845.0	1.75	35.8	9.3	45.1	450.7	1.75" MILL/FILL
7.815	8.000	RTE M	EB/WB/CL	976.8	38	20	37118.4	19536.0	1.75	413.8	215.3	629.5	6294.9	1.75" MILL/FILL
8.000	8.032	RTE M	EB/WB/CL	169	38	9	6422	1521.0	1.75	71.6	16.8	88.3	882.6	1.75" MILL/FILL
8.032	8.052	RTE M	EB/WB/CL	105.6	38	-	4012.8	-	1.75	44.7	-	44.6	445.9	1.75" MILL/FILL - END RTE M AND JOIN WITH BU 67
8.052	7.692	RTE M	EB/WB	15	40	-	600	-	1.75	-	19.8	6.7	66.7	3 PRIVATE/COMM. PAVED ENTRANCES; AVG W = 40'
8.052	7.692	RTE M	EB/WB	15	178.5	-	2677.5	-	1.75	-	29.5	29.8	297.5	1 CITY STREET / COUNTY ROAD; AVG W = 178.5'
									SUB-TOTAL	778.3	394.5	1160.3	11600.6	
										15.6	7.9	-	-	SAFETY EDGE
										36.0	34.0	-	-	RUTTING & IRREGULARITIES
														100 TONS/MILE
									SUB-TOTAL RTE M	829.9	436.4	1160.3	11600.6	
- LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER. - REPAIRS MADE TO ENTRANCES (PRIVATE/COMMERCIAL/CITY STREETS/COUNTY ROADS) ARE TO BE COMPLETED PER THE ENGINEER'S DISCRETION.														

BITUMINOUS PAVEMENT, TACK, & MILLING TOTALS							
LOG MILE	LOG MILE	RTE	BIT. PVMT 1.75" SP095C PG70-22 (2.064 TON/CY) (TONS)	BIT. PVMT 1.75" BP-2 PG64-22 (2.040 TON/CY) (TONS)	TACK COAT LOW TRACKING OR NON TRACKING (0.10 GAL/SY) (GAL)	COLDMILLING BIT. PVMT 3 IN THICK OR LESS (SY)	REMARKS
3.146	7.706	BU 67	11634.1	2045.3	13230	132187.8	SEE SUB-TOTAL BU 67 FROM QUANTITIES SHEET 1
7.692	8.052	RTE M	829.9	436.4	1160.3	11600.6	SEE SUB-TOTAL RTE M FROM QUANTITIES SHEET 2
		TOTAL	12464.0	2481.7	14391	143789	

GUARDRAIL										
LOG MILE	LOG MILE	RTE	DIR	MGS BRIDGE APPROACH TRANSITION SECTION (EA)	TYPE A CRASHWORTHY END SECTION (MASH) (EA)	MGS END ANCHOR (EA)	MGS GUARDRAIL 8 FT. POSTS 6 FT. - 3 IN. SPACING (FT)	MGS GUARDRAIL 6 FT. POSTS 3 FT. - 1.5 IN. SPACING (FT)	3" MINUS AGGREGATE FOR MODIFIED SHAPING SLOPES CLASS III (FT)	REMARKS
4.605	4.657	BU 67	SB - RT	1	1	-	187.5	-	90	BR A4331 APPROACH GUARDRAIL HEADING SB (RT)
4.627	4.661	BU 67	SB - LT	1	1	-	50	-	90	BR A4331 APPROACH GUARDRAIL HEADING SB (LT)
7.612	7.667	BU 67	NB (SB LM)	-	2	-	-	212.5	180	GUARDRAIL PROTECTING RTE 67 OVERPASS COLUMNS NB
7.616	7.671	BU 67	SB	-	2	-	-	212.5	180	GUARDRAIL PROTECTING RTE 67 OVERPASS COLUMNS SB
7.897	-	RTE M	WB (EB LM)	-	1	1	137.5	-	90	GUARDRAIL AROUND TURN FROM WB RTE M TO SB OUTER 67
7.949	-	RTE M	EB	-	2	-	137.5	-	180	GUARDRAIL AROUND TURN FROM EB RTE M TO NB TOWNSHIP LINE RD
			TOTAL	2	9	1	513	425	810	

OPTIONAL SHOULDER									
LOG MILE	LOG MILE	RTE	DIR	LENGTH	WIDTH	4" OPTIONAL SHOULDER BASE PG 64-22 (BP-2) (SEE JSP) TON	LINEAR GRADING CLASS 1 (STA)	FULL DEPTH PAVEMENT REPAIR SAW CUT (FT)	REMARKS
4.537	4.571	BU 67	SB	179.5	3	13.7	1.8	185.5	REPAIRING 3 FT WIDTH OF THE 6 FT INSIDE SHOULDER HEADING SB ON BU 67
						0.3	-	-	SAFETY EDGE
					TOTAL	14.0	1.8	185.5	
					USE	14	1.8	186	
LOG MILES ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.									



DATE PREPARED 2/26/2025	
ROUTE BUS 67	STATE MO
DISTRICT SE	SHEET NO. 3
COUNTY BUTLER	
JOB NO. J9S3602	
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	LOG MILE	RTE	DIR.	LOC.	4" WHITE WATERBORNE PAVEMENT MARKING TYPE P BEADS (FT)	4" DOTTED WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING (FT)	24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING (FT)	4" YELLOW WATERBORNE PAVEMENT MARKING TYPE P BEADS (FT)	24" YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSHATCH) (FT)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WORD (ONLY) (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING LANE REDUCTION ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING COMBINATION STR/LT/RT (EA)
3.146	3.231	BU 60	EB	VAR.	2782.1	-	-	-	-	-	10	4	-	-
3.501	7.706	BU 67	SB	RT/LT/CL	52626.5	270.8	674.5	46402.6	503.9	3	97	28	2	6
7.692	8.052	RTE M	EB	RT/LT	4058.9	-	-	4509.4	-	-	7	-	-	-
SUB-TOTAL					59468	271	675	50912	504	3	114	32	2	6
TOTAL					59468	271	675	50912	504	3	114	32	2	6
- LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER. - PAVEMENT MARKING TO BE INSTALLED THE SAME AS PRESENT LAYOUT.														

LOOP DETECTION			
LOCATION	DIR.	LOOP DETECTOR CABLE IN DUCT 902-85.00 (FT)	REMARKS
PVT ENTRANCE	EB	308	BU 60/BU 67 INTER. - LT TURN LANE
PVT ENTRANCE	EB	319	BU 60/BU 67 INTER. - THRU/RT TURN LANE
BU 67	SB	320	BU 60/BU 67 INTER. - INNERMOST LT TURN LANE
BU 67	SB	307	BU 60/BU 67 INTER. - LT TURN LANE
BU 67	SB	273	BU 60/BU 67 INTER. - THRU LANE
BU 67	SB	261	BU 60/BU 67 INTER. - OUTERMOST THRU LANE
BU 60	WB	268.5	BU 60/BU 67 INTER. - OUTER LT TURN LANE
BU 60	WB	294	BU 60/BU 67 INTER. - INNER LT TURN LANE
BU 67	NB	-	BU 67/BU 60 INTER. - LT TURN LANE (SKIP DUE TO CONC.)
BU 67	NB	279	BU 67/BU 60 INTER. - INNER THRU LANE
BU 67	NB	292	BU 67/BU 60 INTER. - OUTER THRU LANE
BU 67	SB	264	BU 67/CHERRY ST INTER. - OUTER THRU LANE
BU 67	SB	278	BU 67/CHERRY ST INTER. - INNER THRU LANE
BU 67	SB	313	BU 67/CHERRY ST INTER. - LT TURN LANE
CHERRY ST	WB	277	BU 67/CHERRY ST INTER. - INNER LT TURN LANE
CHERRY ST	WB	262	BU 67/CHERRY ST INTER. - OUTER LT TURN LANE
BU 67	NB	282	BU 67/CHERRY ST INTER. - OUTER THRU LANE
BU 67	NB	297	BU 67/CHERRY ST INTER. - THRU LANE
BU 67	NB	314	BU 67/CHERRY ST INTER. - LT TURN LANE
-	-	297	HENDERSON AUTO SALES
CHERRY ST	EB	268	BU 67/CHERRY ST INTER. - THRU/LT TURN LANE
BU 67	SB	320	BU 67/ HOME DEPOT/APPLEBEES INTER. - LT TURN LANE
BU 67	SB	294	BU 67/ HOME DEPOT/APPLEBEES INTER. - THRU LANE
BU 67	SB	281	BU 67/ HOME DEPOT/APPLEBEES INTER. - OUTER THRU LANE
BU 67	NB	320	BU 67/ HOME DEPOT/APPLEBEES INTER. - LT TURN LANE
BU 67	NB	296	BU 67/ HOME DEPOT/APPLEBEES INTER. - THRU LANE
BU 67	NB	281	BU 67/ HOME DEPOT/APPLEBEES INTER. - OUTER THRU LANE
BU 67	SB	335	BU 67/ INDUSTRIAL PK RD INTER - LT TURN LANE
BU 67	SB	284	BU 67/ INDUSTRIAL PK RD INTER - THRU LANE
BU 67	SB	274	BU 67/ INDUSTRIAL PK RD INTER - OUTER THRU LANE
BU 67	NB	331	BU 67/ INDUSTRIAL PK RD INTER - LT TURN LANE
BU 67	NB	276	BU 67/ INDUSTRIAL PK RD INTER - THRU LANE
BU 67	NB	266	BU 67/ INDUSTRIAL PK RD INTER - OUTER THRU LANE
	TOTAL	9331.5	
	USE	9340	
- NO DIRECT PAY FOR SAWCUTS			
- SPLICE INTO EXISTING LEAD-IN WIRES IN PULLBOX			
- CUT EXISTING LOOP WIRES / SEE STD. 902.50 FOR LOOP DETECTION INSTALLATION DETAILS			

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM	
DESCRIPTION	REMARKS
275 LF GUARDRAIL	BR A4331 APPROACH GUARDRAIL HEADING SB (RT)
125 LF GUARDRAIL	BR A4331 APPROACH GUARDRAIL HEADING SB (LT)
292 LF GUARDRAIL	GUARDRAIL PROTECTING RTE 67 OVERPASS COLUMNS NB
292 LF GUARDRAIL	GUARDRAIL PROTECTING RTE 67 OVERPASS COLUMNS SB
217 LF GUARDRAIL	GUARDRAIL AROUND TURN FROM WB RTE M TO SB CR 441
217 LF GUARDRAIL	GUARDRAIL AROUND TURN FROM EB RTE M TO NB CR 441

ENTRANCE WIDENING							
LOG MILE	RTE	LENGTH (FT)	WIDTH (FT)	PAVED APPROACH 8 IN. (SY)	TYPE 1 AGG. FOR BASE 3 IN. THICK (SY)	LINEAR GRADING CLASS 1 (STA)	REMARKS
6.655	BU 67	VAR	5	13.8	14	0.2	WIDEN CR 301 ENTRANCE 5 FT TO EAST - SEE SPECIAL SHEET 2
			TOTAL	13.8	14	0.2	
LOG MILES ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.							

MOBILIZATION
1 LUMP SUM

STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 5:31:13 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BUS 67

STATE

MO

DISTRICT

SE

SHEET NO.

3

COUNTY

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Curtis Dewayne Woolsey
02/26/2025 11:24:37 AM
CURTIS DEWAYNE WOOLSEY - C
MO-PE-2001018834

2/26/2025

BUS	67	MO
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SE	3
----	---

BUTLER

J9S3602

[illegible]

Abstract

1000

[illegible][illegible]

No.						
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PT

OS:					

[illegible][illegible]

AT					
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PI
551

RT

WITNESS

TR	1	Q
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ANNE
S



51

Abstract

Abstract

Abstract

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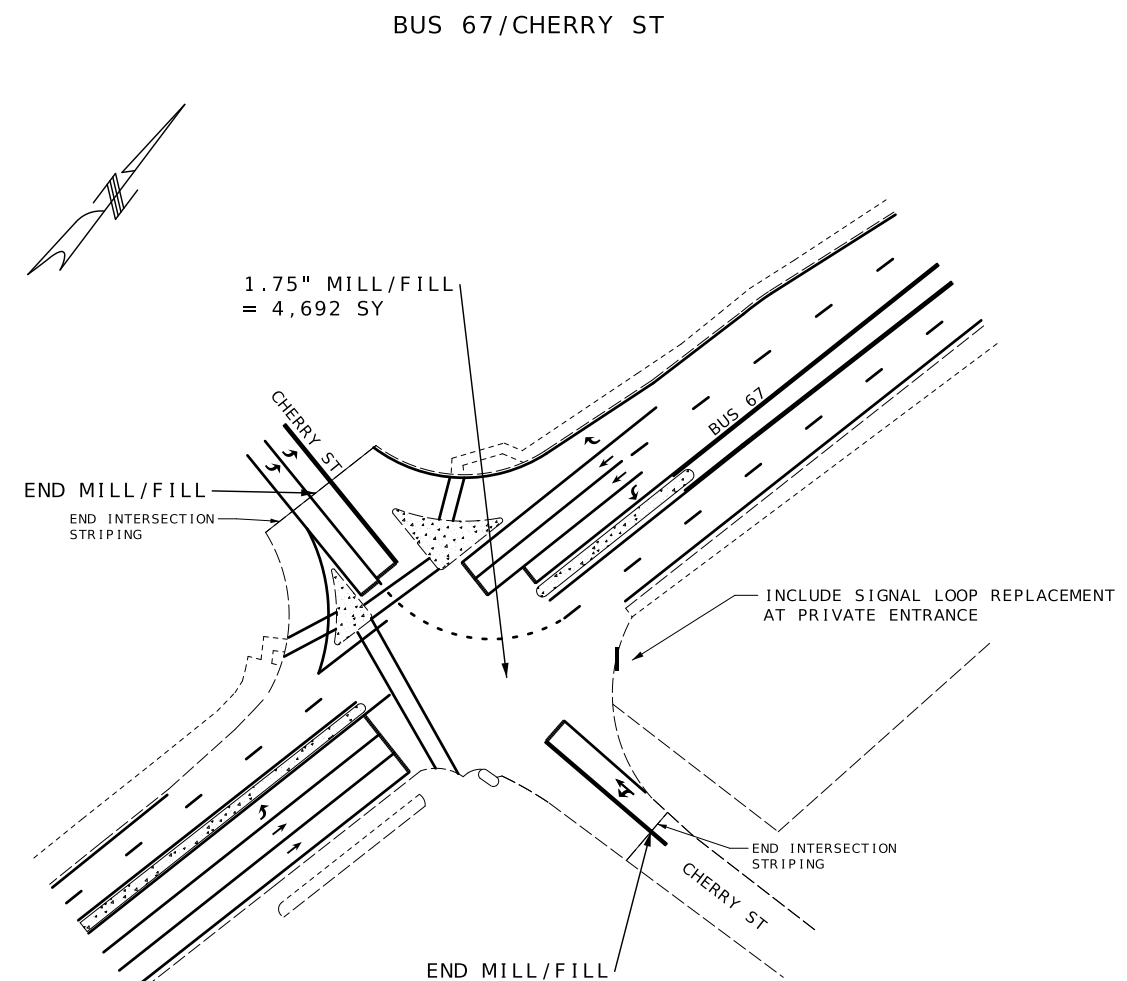
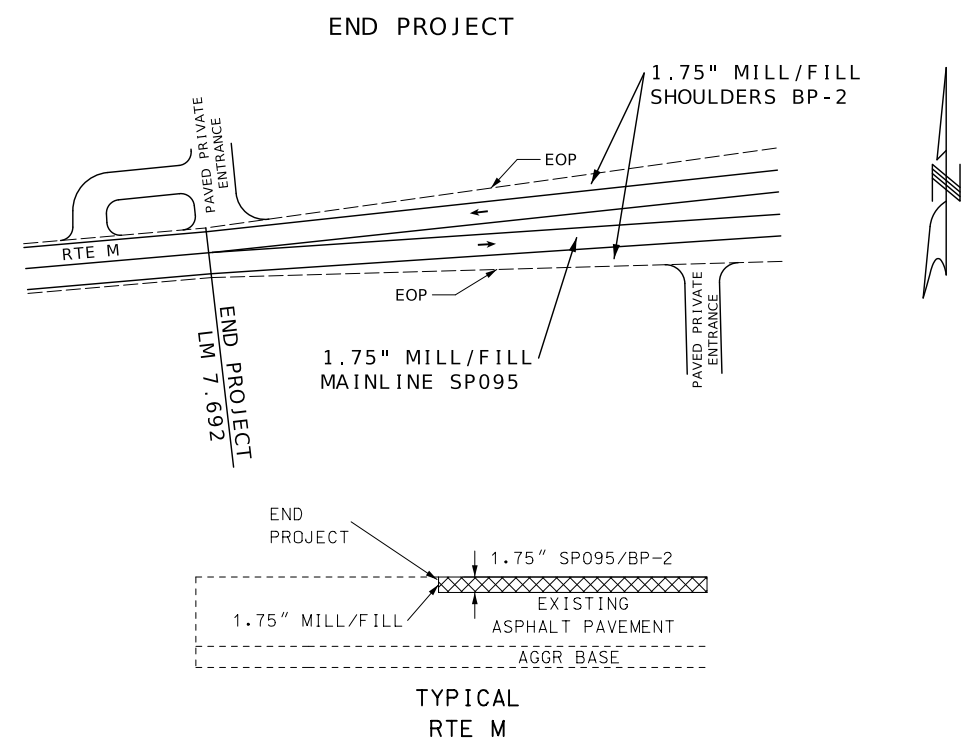
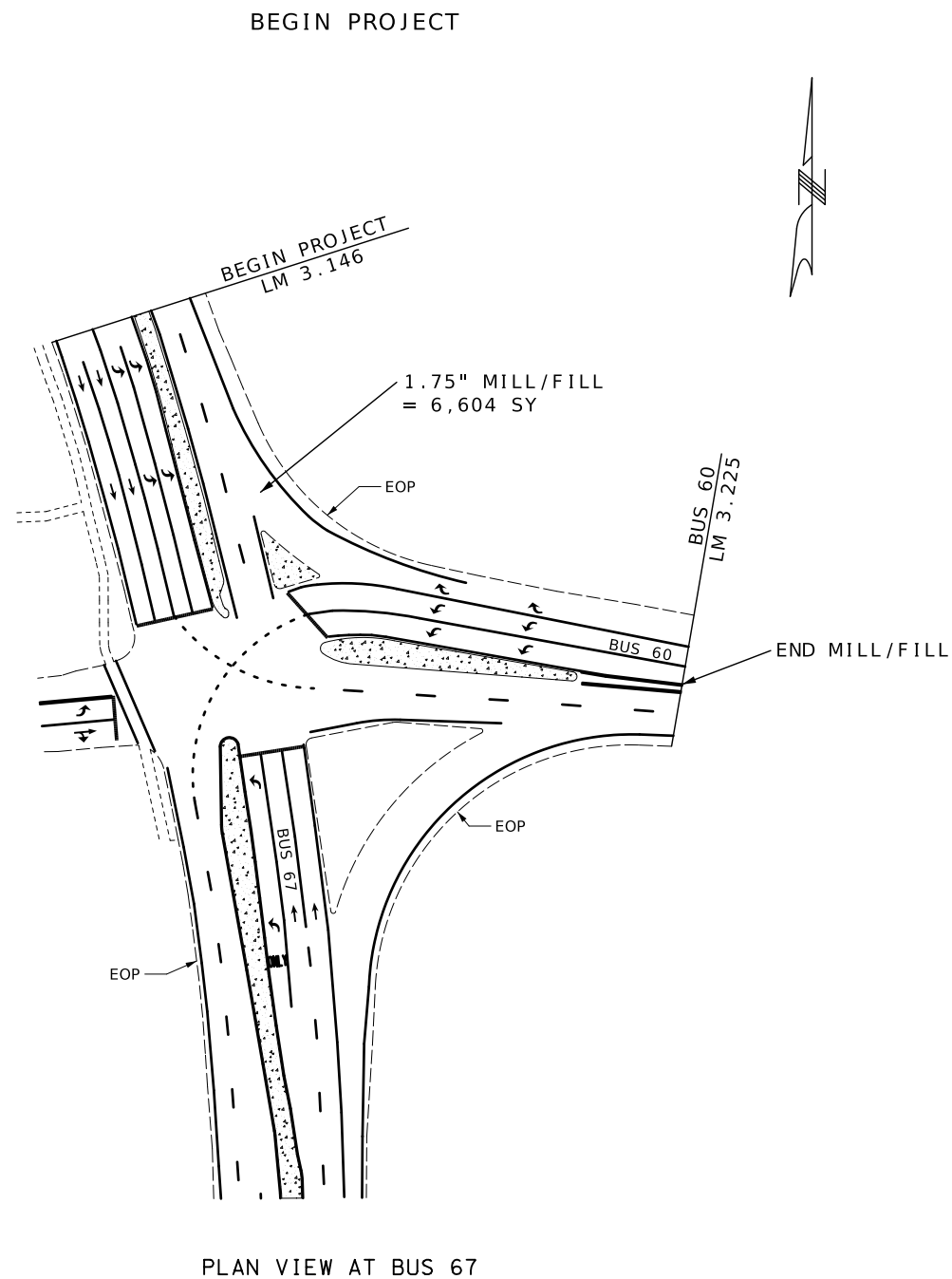
Abstract

Abstract

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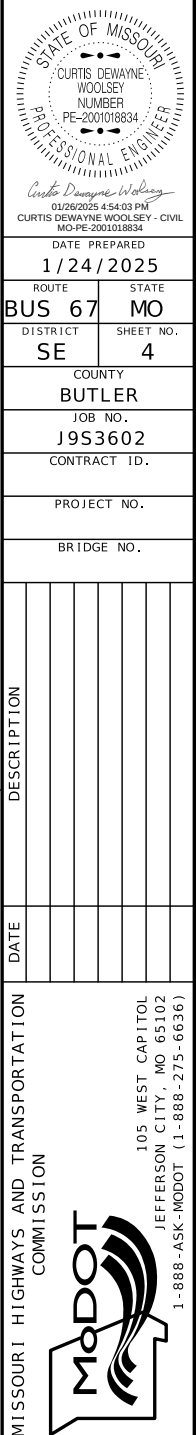
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Abstract



NOTES - INCLUDE PVMNT MARKING ON SIDE ROADS TO RADIUS POINT AT ALL SIGNALIZED INTERSECTIONS UNLESS OTHERWISE NOTED.

SPECIAL SHEET
SHEET 1 OF 4
DRAWING NOT TO SCALE



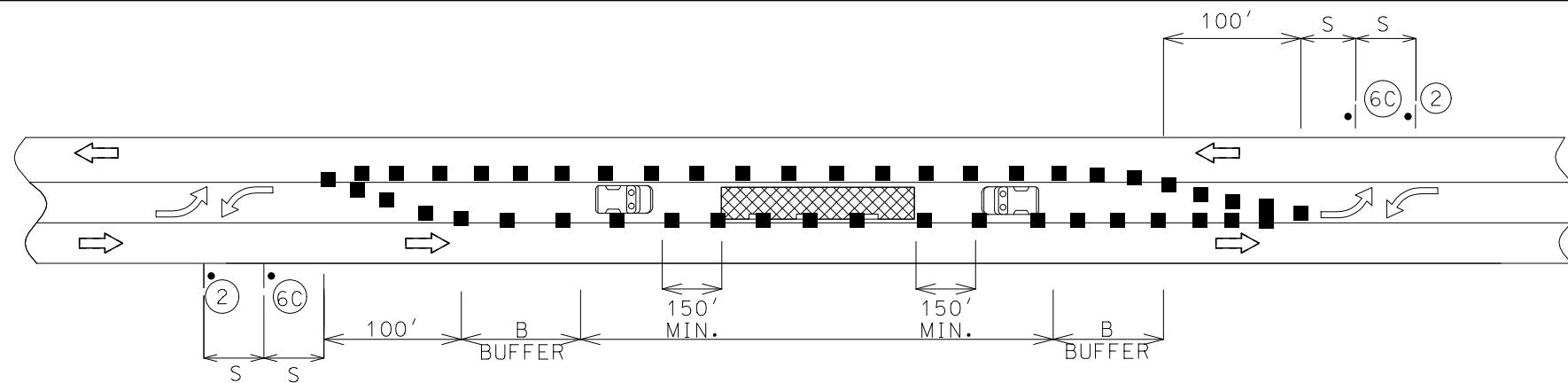
PAVED PRIVATE ENTRANCE

BUS 67

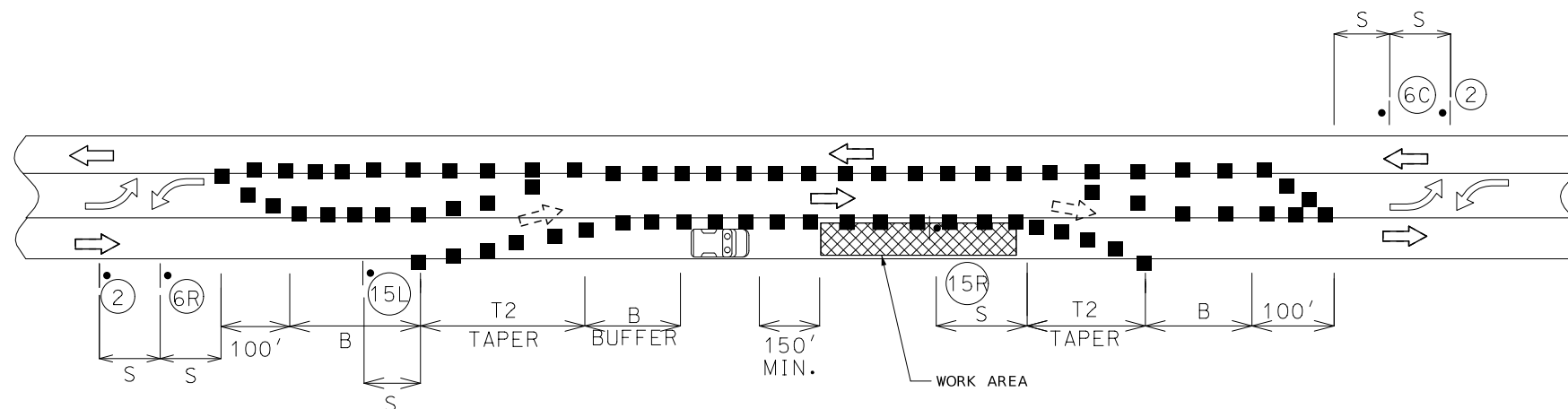
CR 301 PAVED

WIDEN ENTRANCE
5 FT TO EAST
= 13.8 SY, R = 20'

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CENTER TURN LANE CLOSURE



THROUGH LANE CLOSURE
IN 3 LANE SECTION WITH TWO WAY LEFT TURN LANE
(MAINTAIN AT LEAST 16' LANE WIDTH IN TAPER)

TRAFFIC CONTROL LEGEND

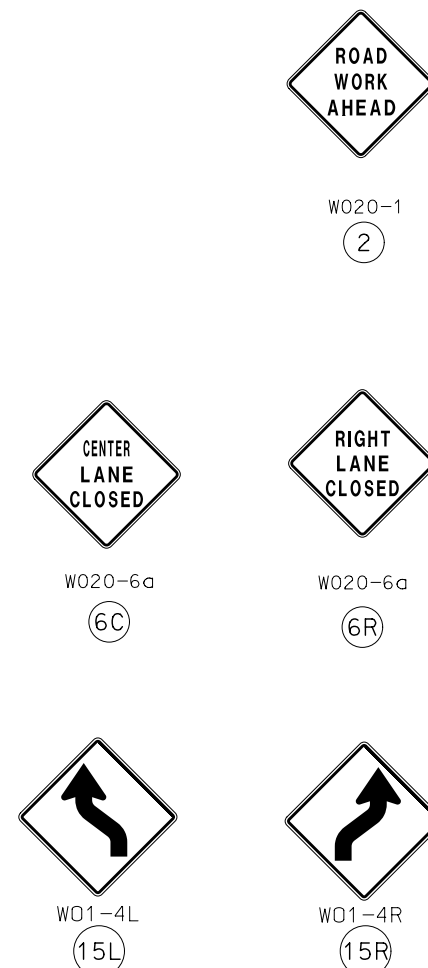
- SIGN (PORTABLE MOUNT)
- CHANNELIZER (TRIM LINE)

* WHEN A PAVED SHOULDER IS PRESENT, A 4 DEVICE, 150' TAPER SHALL BE PLACED ON THE SHOULDER IN ADVANCE OF THE THROUGH LANE TAPER

GENERAL NOTES:

- REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.
- 1. ALL STATIONING, DISTANCES AND SPACING OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND MAY BE ADJUSTED BASED ON FIELD CONDITIONS.
- 2. ALL EXISTING SIGNS ARE TO BE USED IN PLACE, ADJUSTED, AND/OR COVERED AS CONDITIONS REQUIRE.
- 3. SEE CHART FOR CHANNELIZER SPACING

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		RECOMMENDED	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0 - 35	200	-	70	245	250	35	40
40 - 45	350	-	150	540	360	40	80
50 - 55	500	-	185	660	495	50	80
60 - 70	1000	-	235	840	730	60	120
1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET. 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.							



STATE OF MISSOURI
CURTIS DEWAYNE WOOLSEY
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PE-2001018834
PROFESSIONAL ENGINEER
Curtis Dewayne Woolsey
01/26/2025 4:53:10 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
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DATE PREPARED
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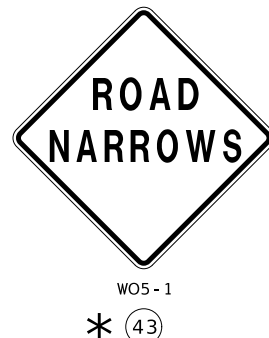
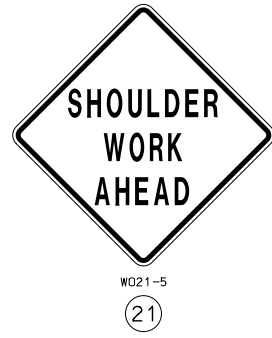
DESCRIPTION

DATE

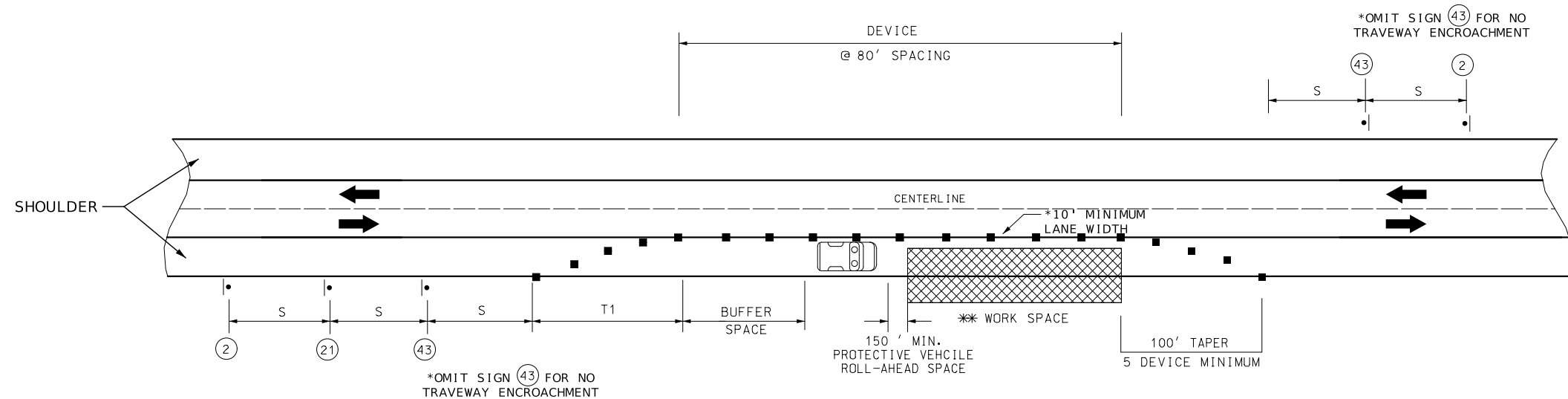
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



BRIDGE
OR
RAMP



BRIDGE
OR
RAMP



WORK ZONE FOR SHOULDER WORK

TRAFFIC CONTROL LEGEND

- FLAGGER
- CHANNELIZER
- SIGN

NOTES:
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPETELY COVERED OR REMOVED.
NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.
REFER TO STANDARD PLAN 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

PERMANENT POSTED SPEED LIMIT (MPH)	RECOMMENDED BUFFER LENGTH (FT)	TAPER LENGTH SHOULDER (T1) (FT)	CHANNELIZER SPACING (FT)	
			TAPERS	BUFFER/ WORK AREAS
0 - 35	250	70	35	40
40 - 45	360	150	40	80
50 - 55	495	185	50	80
60 - 70	730	235	60	120

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

STATE OF MISSOURI
CURTIS DEWAYNE WOOLSEY
NUMBER
PE-2001018834
PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey
01/28/2025 4:52:52 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
1/24/2025

ROUTE
BUS 67

DISTRICT
SE

STATE
MO

SHEET NO.
9

COUNTY
BUTLER

JOB NO.
J9S3602

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT

1. ALL STATIONING, DISTANCES AND SPACING OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND MAY BE ADJUSTED BASED ON FIELD CONDITIONS.
2. ALL EXISTING SIGNS ARE TO BE USED IN PLACE, ADJUSTED, AND/OR COVERED AS CONDITIONS REQUIRE.
3. SEE CHART FOR CHANNELIZER SPACING

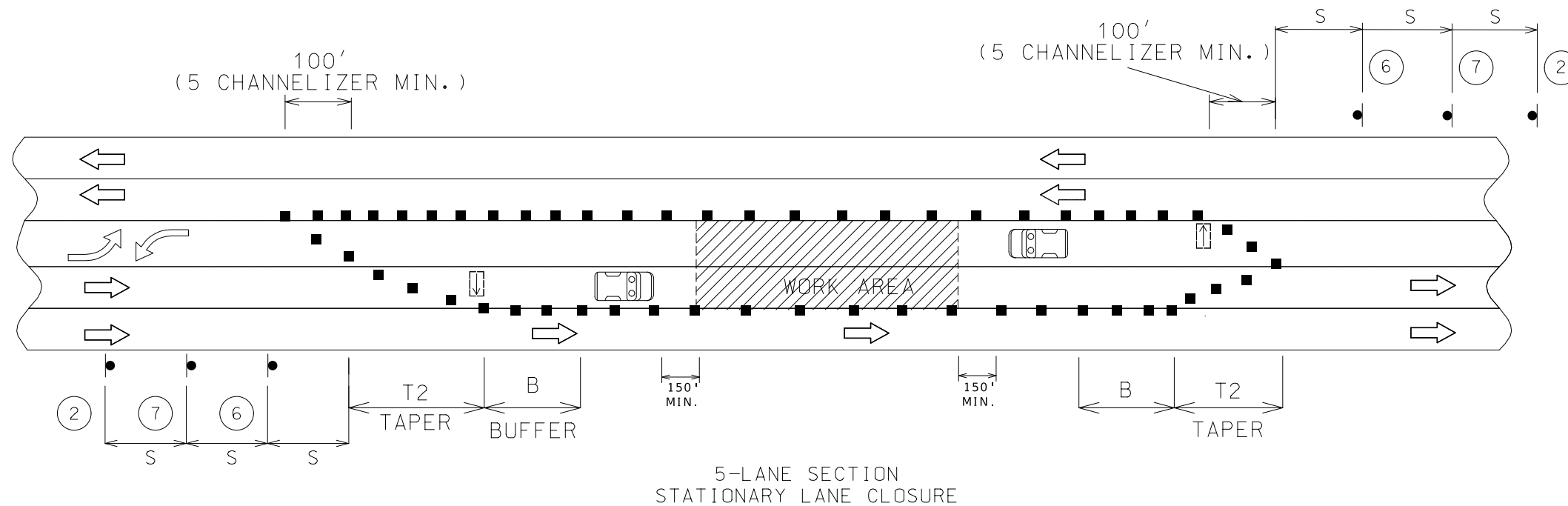
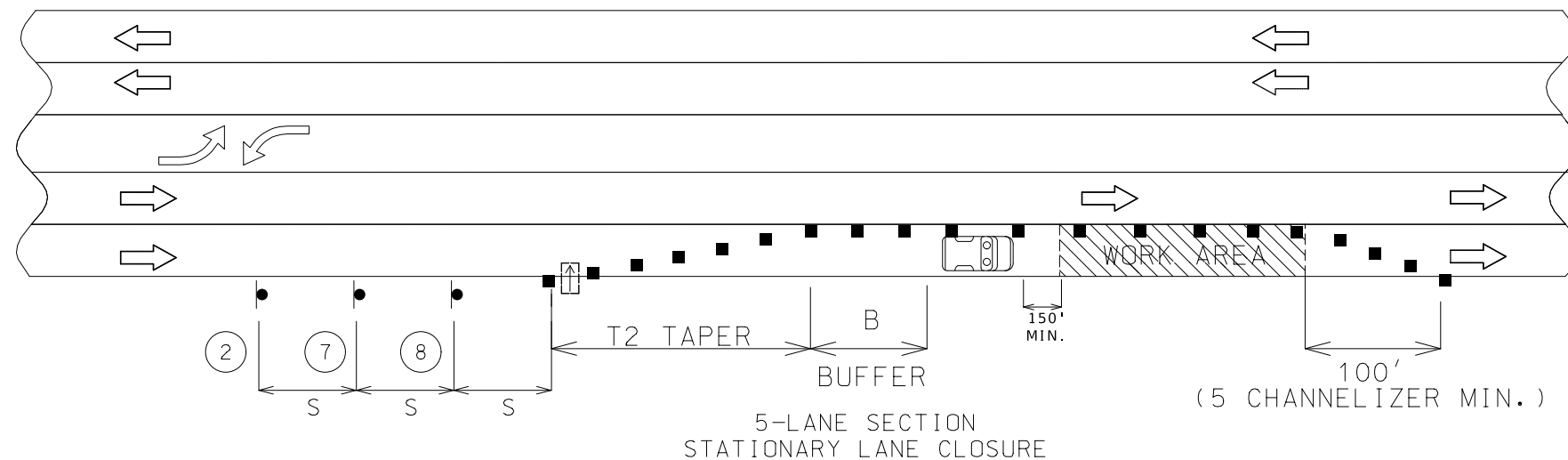


NOTES:

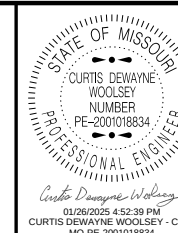
DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (4) REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.
- (5) FLASHING ARROW PANEL (FAP) REQUIRED ON PROTECTIVE VEHICLES.

	SIGN (PORTABLE MOUNT)
	CHANNELIZER (TRIM LINE)
	FLASHING ARROW PANEL



SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0 - 35	200	-	70	245	250	35	40
40 - 45	350	-	150	540	360	40	80
50 - 55	500	-	185	660	495	50	80
60 - 70	1000	-	235	840	730	60	120
1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET. 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.							



WFOPL200602206304	
DATE PREPARED	
1/24/2025	
ROUTE	STATE
BUS 67	MO
DISTRICT	SHEET #
SE	10
COUNTY	
BUTLER	
JOB NO.	
J953602	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO. 65102

BU60-W/O PP

A.A.D.T. - 2025 = 14,294

A.A.D.T. - 2045 = 15,794

D.H.V. = 8.13%

T = 4.15%

V = 35/40 M.P.H.

BU60-E/O PP

A.A.D.T. - 2025 = 26,203

A.A.D.T. - 2045 = 28,952

D.H.V. = 8.37%

T = 5.01%

V = 35 M.P.H.

BU60-E/O 67

A.A.D.T. - 2025 = 13,852

A.A.D.T. - 2045 = 15,305

D.H.V. = 8.54%

T = 5.92%

V = 30/40 M.P.H.

BU60-E/O C St

A.A.D.T. - 2025 = 11,294

A.A.D.T. - 2045 = 12,478

D.H.V. = 8.17%

T = 19.65%

V = 40 M.P.H.

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR ,
MINOR ARTERIAL

NO NEW R/W

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

BUTLER COUNTY

LM 0.160

PROJECT LIMITS - BU 60

1.75" MILL/FILL

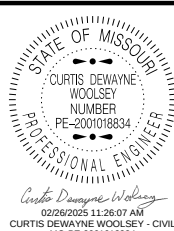
LM 5.192

KEY MAP

LOCATION OF BUTLER COUNTY

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) (6 SHEETS)--	2
QUANTITIES (QU) (7 SHEETS)-----	3
SPECIAL SHEETS (5)-----	4-8
TRAFFIC CONTROL SHEETS (TC)-----	9-13
PAVEMENT MARKING (PM)-----	14-36
BRIDGE DRAWINGS (B)	
A32672-----	1-4



Curtis Dewayne Woolsey
02/26/2025 11:26:07 AM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED	
2/26/2025	
ROUTE BU 60	STATE MO
DISTRICT SE	SHEET NO. 1
COUNTY BUTLER	
JOB NO. J9S3603	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

TRANSPORTATION SECTION	DATE						

105 WEST CAPITAL
SPRINGFIELD, MO 65102
(1-888-275-6636)

LENGTH OF PROJECT	
BEGINNING OF PROJECT	LOG MILE 0.160
END OF PROJECT	LOG MILE 5.192
APPARENT LENGTH	5.032 MILES
EQUATIONS AND EXCEPTIONS:	
BR A3266 (EASTBOUND)	431 FEET
BR A8797 (WESTBOUND)	740 FEET
BR A3267 (EASTBOUND/WESTBOUND)	355 FEET
TOTAL CORRECTIONS 786.00 FEET	
NET LENGTH OF PROJECT	25,782.96 FEET
STATE LENGTH	4.883 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0 ACRES

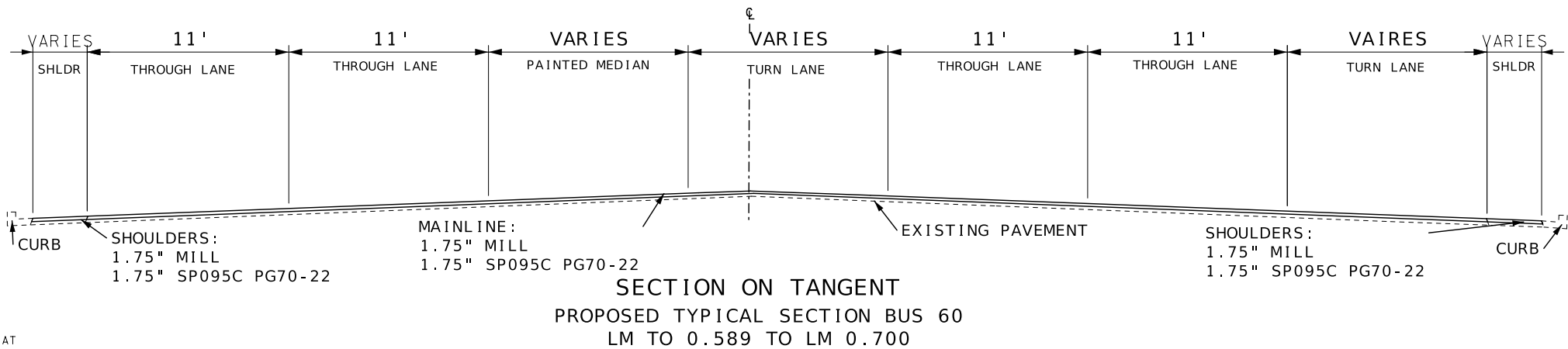
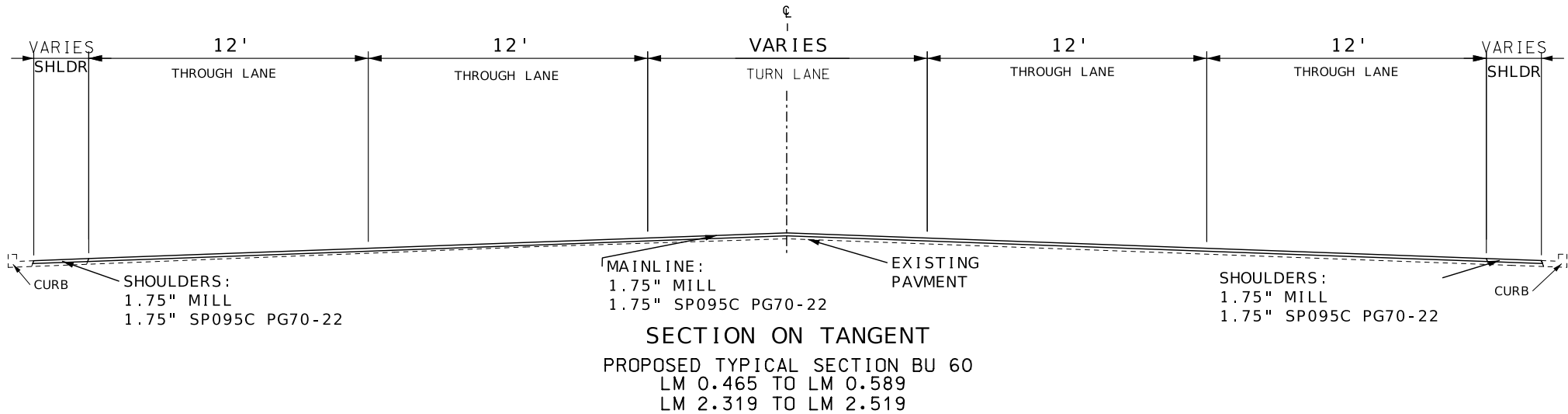
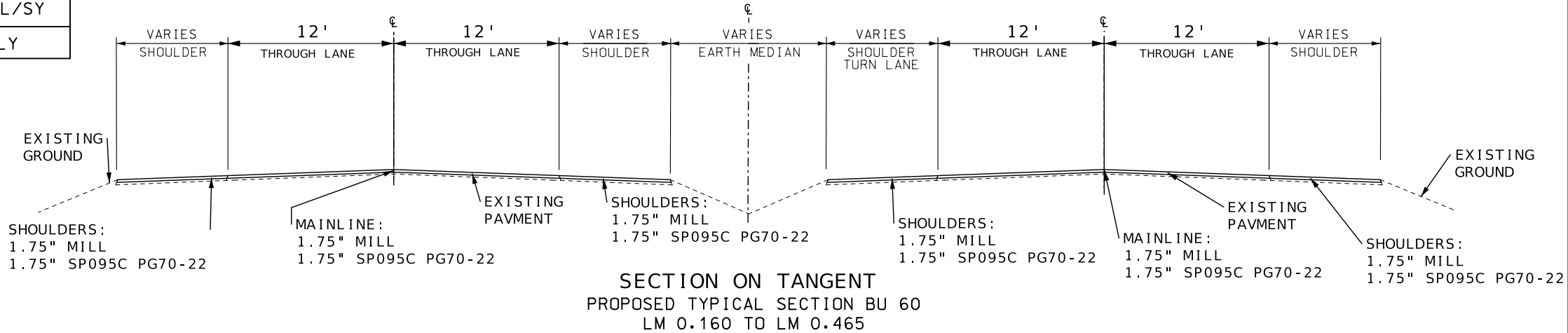
MISSOURI HIGHWAYS AND
COMMISSION



JEFFERSON
1-888-ASK-MODOT


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

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
SP095C PG70-22	2.064 TONS/CY
TACK COAT	0.10 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	



NOTES:

BOTH MAINLINE AND SHOULDERS SHALL BE MILLED AT A DEPTH OF 1.75".

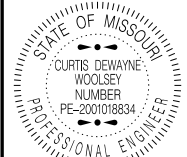
SHOULDERS WEST OF LM 4.781 SHALL BE INCLUDED IN MAINLINE 1.75" SP095C MILL/FILL. SHOULDERS EAST OF LM 4.781 SHALL BE 1.75" BP-2 MILL/FILL.

SEE QUANTITIES AND SPECIAL SHEETS FOR ADDITIONAL DETAILS ON WIDTHS AND LOCATIONS.

ANY EXISTING CONCRETE PAVEMENT AND CONCRETE SHOULDERS ARE EXCLUDED FROM THE 1.75" MILL/FILL.

TYPICAL SECTIONS
SHEET 1 OF 6

DRAWING NOT TO SCALE.



Curtis Dewayne Woolsey
02/26/2025 11:30:47 AM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
2/26/2025

ROUTE STATE
BU 60 MO

DISTRICT SHEET NO.
SE 2

COUNTY
BUTLER

JOB NO.
J9S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

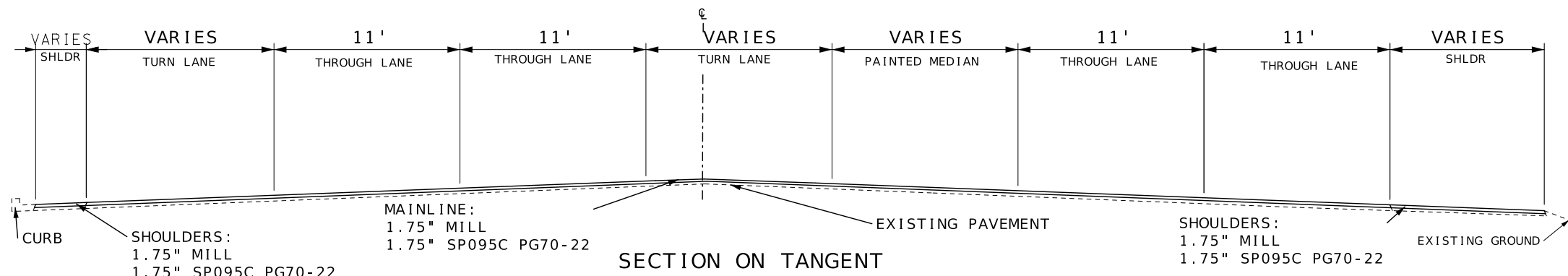
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DATE

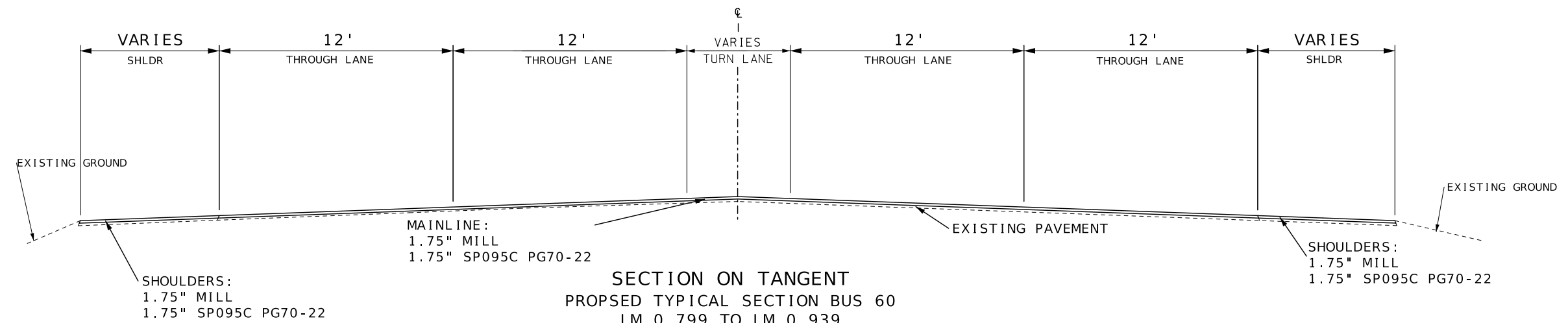
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MODOT



PROPOSED TYPICAL SECTION BUS 60
LM 0.700 TO LM 0.799



SECTION ON TANGENT
PROPOSED TYPICAL SECTION BUS 60
LM 0.799 TO LM 0.939
LM 1.139 TO LM 1.249
LM 1.319 TO LM 1.360
LM 1.639 TO LM 1.699
LM 1.779 TO LM 1.999
LM 2.519 TO LM 2.725
LM 2.900 TO LM 3.059

NOTES:

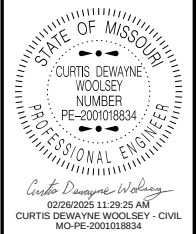
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SEE QUANTITIES AND SPECIAL SHEETS FOR ADDITIONAL DETAILS ON WIDTHS AND LOCATIONS.

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ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
SP095C PG70-22	2.064 TONS/CY
TACK COAT	0.10 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	

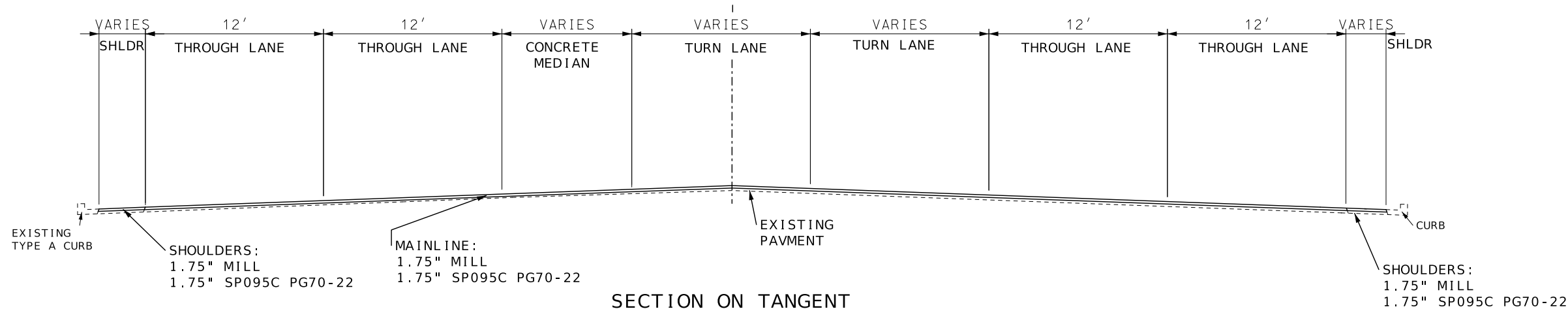


DATE PREPARED 2/26/2025	
ROUTE BU 60	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY BUTLER	
JOB NO. J9S3603	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

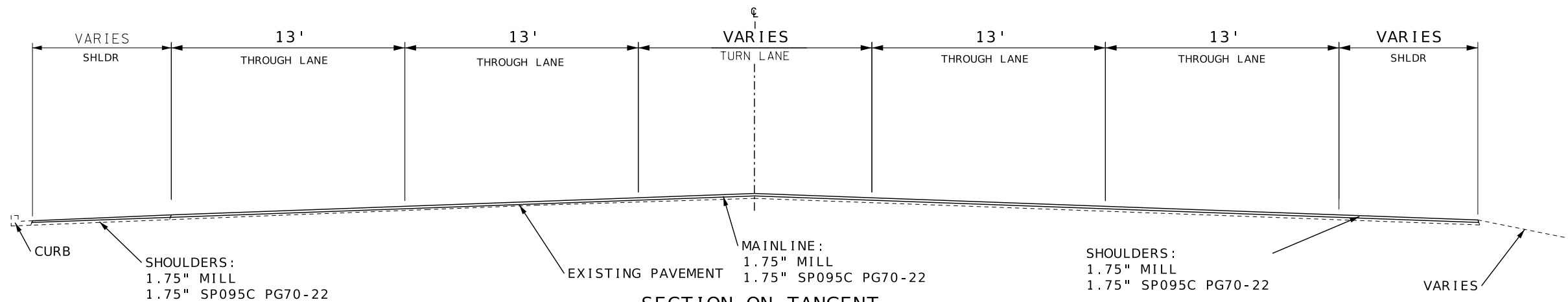
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

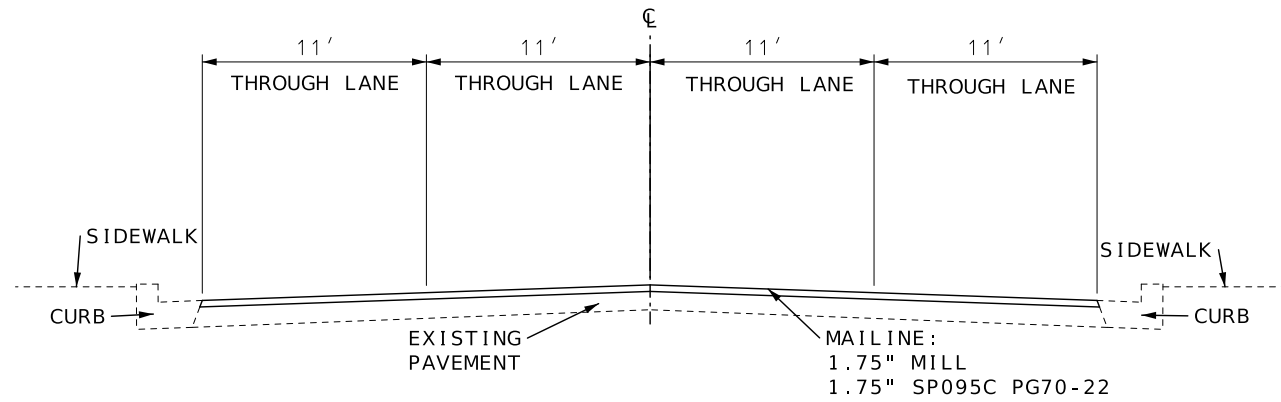
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SECTION ON TANGENT
 PROPOSED TYPICAL SECTION BU 60
 LM 3.059 TO LM 3.146
 *LM 3.146 TO 3.225 ARE INLCUED IN J9P3602



SECTION ON TANGENT
 PROPOSED TYPICAL SECTION BUS 60
 LM 3.225 TO LM 3.361



SECTION ON TANGENT
 PROPOSED TYPICAL SECTION BUS 60
 LM 3.361 TO LM 4.107
 *LM 4.107 TO LM 4.245 PART OF BRIDGE EXEPMTION

ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
SP095C PG70-22	2.064 TONS/CY
TACK COAT	0.10 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	

NOTES:
 BOTH MAINLINE AND SHOULDERS SHALL BE MILLED AT A DEPTH OF 1.75".
 SHOULDERS WEST OF LM 4.781 SHALL BE INCLUDED IN MAINLINE 1.75" SP095C MILL/FILL. SHOULDERS EAST OF LM 4.781 SHALL BE 1.75" BP-2 MILL/FILL.
 SEE QUANTITIES AND SPECIAL SHEETS FOR ADDITIONAL DETAILS ON WIDTHS AND LOCATIONS.
 ANY EXISTING CONCRETE PAVEMENT AND CONCRETE SHOULDERS ARE EXCLUDED FROM THE 1.75" MILL/FILL.

STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 11:29:01 AM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BU 60

DISTRICT

SE

STATE

MO

SHEET NO.

2

COUNTY

BUTLER

JOB NO.

J9S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

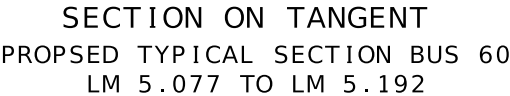
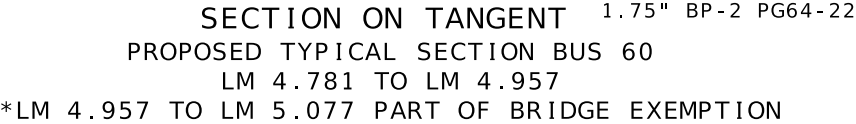
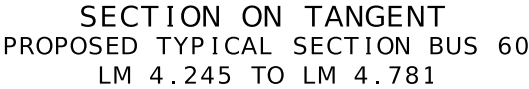
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



TYPICAL SECTIONS
SHEET 6 OF 6
DRAWING NOT TO SCALE.

NOTES:

BOTH MAINLINE AND SHOULDERS SHALL BE MILLED AT A DEPTH OF 1.75".

SHOULDERS WEST OF LM 4.781 SHALL BE INCLUDED IN MAINLINE 1.75" SP095 MILL/FILL. SHOULDERS EAST OF LM 4.781 SHALL BE 1.75" BP-2 MILL/FILL.

SEE QUANTITIES AND SPECIAL SHEETS FOR ADDITIONAL DETAILS ON WIDTHS AND LOCATIONS.

ANY EXISTING CONCRETE PAVEMENT AND CONCRETE SHOULDERS ARE EXCLUDED FROM THE 1.75" MILL/FILL.

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GUARDRAIL								
LOG MILE	LOG MILE	RTE	LOC	MGS BRIDGE APPROACH TRANSITION SECTION (EA)	TYPE A CRASHWORTHY END SECTION (MASH) (EA)	MGS GUARDRAIL 8 FT. POSTS 6 FT. - 3 IN. SPACING (FT)	3" MINUS AGGREGATE FOR MODIFIED SHAPING SLOPES CLASS III (FT)	REMARKS
4.960	4.96	BU 60	EB	1	1	37.5	90	BR A3267 APPROACH GUARDRAIL HEADING EB
4.960	4.936	BU 60	WB (EB LM)	1	1	37.5	90	BR A3267 APPROACH GUARDRAIL HEADING WB
5.028	5.052	BU 60	EB	1	1	37.5	90	BR A3267 APPROACH GUARDRAIL HEADING EB
5.028	5.052	BU 60	WB (EB LM)	1	1	37.5	90	BR A3267 APPROACH GUARDRAIL HEADING WB
			TOTAL	4	4	150	360	

TEMPORARY PAVEMENT MARKING					
RTE	DIR.	LOC.	REMOVABLE MARKING TAPE 4" SOLID WHITE (LF)	PAVEMENT MARKING REMOVAL (LF)	REMARKS
BU 60	EB	BR A3267	2000	500	SEE TRAFFIC CONTROL SHEET 4
BU 60	WB	BR A3267	2000	500	SEE TRAFFIC CONTROL SHEET 4
		TOTAL	4000	1000	

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM		
LOCATION	DESCRIPTION	REMARKS
LM 4.960	125 LF GUARDRAIL	BR A3267 EB APPROACH
LM 4.960	125 LF GUARDRAIL	BR A3267 EB DEPARTURE
LM 5.052	125 LF GUARDRAIL	BR A3267 WB APPROACH
LM 5.052	125 LF GUARDRAIL	BR A3267 WB DEPARTURE
LM 4.107	SAWCUT & PVMNT	REMOVE ENTRANCE TO PARKING AREA, SEE S.S.
S 11TH ST	SAWCUT & PVMNT	REMOVE EX. PVMNT. FOR PAVED APPROACH, SEE S.S.
N 5TH ST	SAWCUT & PVMNT	REMOVE EX. PVMNT. FOR PAVED APPROACH, SEE S.S.
LM 0.342	SAWCUT	SAWCUT EDGE EX. PVMNT. FOR WIDENING, SEE S.S.

SUMMARY OF QUANTITIES
SHEET 2 OF 7

[illegible]

PERMANENT PAVEMENT MARKING															
LOG MILE	LOG MILE	RTE	DIR.	LOC.	4" WHITE WATERBORNE PAVEMENT MARKING TYPE P BEADS (FT)	4" DOTTED WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING (FT)	6" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING (FT)	24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING (FT)	30" WHITE MIDBLOCK PREFORMED THERMOPLASTIC PAVEMENT MARKING (EA)	4" YELLOW WATERBORNE PAVEMENT MARKING TYPE P BEADS (FT)	24" YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSHATCH) (FT)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WORD (ONLY) (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING COMBINATION STR/LT/RT (EA)
0.16	5.223	BU 60	EB	VAR.	66281.0	443.0	2250.7	1292.6	41.0	70450.0	480.6	4	89	53	6
				SUB-TOTAL	66281	443	2251	1293	41	70450	481	4	89	53	6
				TOTAL	66281	443	2251	1293	41	70450	481	4	89	53	6
- PAVEMENT MARKING TO BE INTALLED AS SHOWN ON PAVEMENT MARKING SHEETS.															

LOOP DETECTION (SHEET 1 OF 2)			
LOCATION	DIR.	LOOP DETECTOR CABLE IN DUCT 902-85.00 (FT)	REMARKS
BU 60	EB	399	BU 60/OAK GROVE RD/KATY LN INTER. - OUTER THRU LANE
BU 60	EB	426	BU 60/OAK GROVE RD/KATY LN INTER. - INNER THRU LANE
BU 60	EB	475	BU 60/OAK GROVE RD/KATY LN INTER. - LT TURN LANE
BU 60	WB	371	BU 60/OAK GROVE RD/KATY LN INTER. - OUTER THRU LANE
BU 60	WB	404	BU 60/OAK GROVE RD/KATY LN INTER. - INNER THRU LANE
BU 60	WB	473	BU 60/OAK GROVE RD/KATY LN INTER. - INNER LT TURN LANE
BU 60	WB	476	BU 60/OAK GROVE RD/KATY LN INTER. - OUTER LT TURN LANE
BU 60	EB	438	BU 60/CRESTWOOD DR/LUCY LEE PKWY INTER. - LEFT TURN LANE
BU 60	EB	407	BU 60/CRESTWOOD DR/LUCY LEE PKWY INTER. - THRU LANE
BU 60	EB	388	BU 60/CRESTWOOD DR/LUCY LEE PKWY INTER. - THRU/RIGHT TURN LANE
BU 60	WB	429	BU 60/CRESTWOOD DR/LUCY LEE PKWY INTER. - LEFT TURN LANE
BU 60	WB	385	BU 60/CRESTWOOD DR/LUCY LEE PKWY INTER. - THRU LANE
BU 60	WB	368	BU 60/CRESTWOOD DR/LUCY LEE PKWY INTER. - THRU/RIGHT TURN LANE
BU 60	EB	296	BU 60/DRURY/PVT. ENTRANCE INTER. - LEFT TURN LANE
BU 60	EB	287	BU 60/DRURY/PVT. ENTRANCE INTER. - THRU LANE
BU 60	EB	277	BU 60/DRURY/PVT. ENTRANCE INTER. - THRU/RIGHT TURN LANE
PVT ENTRANCE	EB	266	BU 60/DRURY/PVT. ENTRANCE INTER. - THRU/LEFT TURN LANE
DRURY	WB	278	BU 60/DRURY/PVT. ENTRANCE INTER. - LEFT TURN LANE
DRURY	WB	267	BU 60/DRURY/PVT. ENTRANCE INTER. - THRU LANE
BU 60	WB	306	BU 60/DRURY/PVT. ENTRANCE INTER. - LEFT TURN LANE
BU 60	WB	285	BU 60/DRURY/PVT. ENTRANCE INTER. - THRU LANE
BU 60	WB	272	BU 60/DRURY/PVT. ENTRANCE INTER. - THRU/RIGHT TURN LANE
BU 60	EB	338	BU 60/SUNSET DR INTER. - LEFT TURN LANE
BU 60	EB	275	BU 60/SUNSET DR INTER. - THRU LANE
BU 60	EB	264	BU 60/SUNSET DR INTER. - OUTER THRU LANE
SUNSET DR	EB	263	BU 60/SUNSET DR INTER. - THRU LANE
SUNSET DR	EB	293	BU 60/SUNSET DR INTER. - LEFT TURN LANE
SUNSET DR	WB	263	BU 60/SUNSET DR INTER. - THRU LANE
SUNSET DR	WB	283	BU 60/SUNSET DR INTER. - LEFT TURN LANE
BU 60	WB	318	BU 60/SUNSET DR INTER. - LEFT TURN LANE
BU 60	WB	274	BU 60/SUNSET DR INTER. - THRU LANE
BU 60	WB	263	BU 60/SUNSET DR INTER. - OUTER THRU LANE
BU 60	EB	282	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - THRU/RIGHT TURN LANE
BU 60	EB	289	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - THRU LANE
BU 60	EB	305	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - LEFT LANE
PVT ENTRANCE	EB	322	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - THRU/LEFT TURN LANE
HIGHLAND DR	WB	316	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - THRU/LEFT TURN LANE
BU 60	WB	276	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - THRU/RIGHT TURN LANE
BU 60	WB	302	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - THRU LANE
BU 60	WB	325	BU 60/HIGHLAND DR/ PVT. ENTRANCE INTER. - LEFT LANE
BU 60	EB	292	BU 60/RTE PP INTER. - INNER THRU LANE
BU 60	EB	278	BU 60/RTE PP INTER. - OUTER THRU LANE
RTE PP	EB	290	BU 60/RTE PP INTER. - INNER LEFT TURN LANE
RTE PP	EB	269	BU 60/RTE PP INTER. - OUTER LEFT TURN LANE
BU 60	WB	277	BU 60/RTE PP INTER. - OUTER THRU LANE
BU 60	WB	302	BU 60/RTE PP INTER. - INNER THRU LANE
BU 60	WB	322	BU 60/RTE PP INTER. - LEFT TURN LANE
BU 60	EB	328	BU 60/VALLEY PLAZA INTER. - INNER THRU LANE
BU 60	EB	320	BU 60/VALLEY PLAZA INTER. - OUTER THRU LANE
SUB-TOTAL (SHEET 1)		8766	

LOOP DETECTION (SHEET 2 OF 2)			
LOCATION	DIR.	LOOP DETECTOR CABLE IN DUCT 902-85.00 (FT)	REMARKS
VALLEY PLAZA	EB	298	BU 60/VALLEY PLAZA. - LEFT TURN LANE
BU 60	WB	278	BU 60/VALLEY PLAZA INTER. - LEFT TURN LANE
BU 60	WB	290	BU 60/VALLEY PLAZA INTER. - INNER THRU LANE
BU 60	WB	302	BU 60/VALLEY PLAZA INTER. - OUTER THRU LANE
BU 60	EB	278	BU 60/MAUD INTER. - LEFT TURN LANE
BU 61	EB	288	BU 60/MAUD INTER. - INNER THRU LANE
BU 62	EB	298	BU 60/MAUD INTER. - OUTER THRU LANE
MAUD	EB	298	BU 60/MAUD INTER. - LEFT TURN LANE & THRU/RIGHT TURN LANE
MAUD	WB	298	BU 60/MAUD INTER. - LEFT TURN LANE & THRU LANE
BU 60	WB	268	BU 60/MAUD INTER. - LEFT TURN LANE
BU 60	WB	278	BU 60/MAUD INTER. - INNER THRU LANE
BU 60	WB	288	BU 60/MAUD INTER. - OUTER THRU LANE
BU 60	EB	310	BU 60/9TH ST INTER. - OUTER THRU LANE
BU 60	EB	300	BU 60/9TH ST INTER. - INNER THRU LANE
9TH ST	SB	285	BU 60/9TH ST INTER. - THRU LANE
BU 60	WB	287	BU 60/9TH ST INTER. - OUTER THRU LANE
BU 60	WB	295	BU 60/9TH ST INTER. - INNER THRU LANE
BU 60	EB	318	BU 60/5TH ST INTER. - OUTER THRU LANE
BU 60	EB	324	BU 60/5TH ST INTER. - INNER THRU LANE
5TH ST	SB	286	BU 60/5TH ST INTER. - THRU LANE
5TH ST	NB	293	BU 60/5TH ST INTER. - THRU/RIGHT TURN LANE
5TH ST	NB	285	BU 60/5TH ST INTER. - LEFT TURN LANE
BU 60	WB	302	BU 60/5TH ST INTER. - OUTER THRU LANE
BU 60	WB	306	BU 60/5TH ST INTER. - INNER THRU LANE
BU 60	EB	318	BU 60/2ND ST INTER. - OUTER THRU LANE
BU 60	EB	306	BU 60/2ND ST INTER. - INNER THRU LANE
BU 60	EB	294	BU 60/2ND ST INTER. - LEFT TURN LANE
2ND ST	SB	304	BU 60/2ND ST INTER. - LEFT TURN LANE
2ND ST	SB	314	BU 60/2ND ST INTER. - THRU/RIGHT TURN LANE
BU 60	WB	310	BU 60/2ND ST INTER. - LEFT TURN LANE
BU 60	WB	298	BU 60/2ND ST INTER. - INNER THRU LANE
BU 60	WB	286	BU 60/2ND ST INTER. - OUTER THRU LANE
BU 60	WB	274	BU 60/2ND ST INTER. - RIGHT TURN LANE
SUB-TOTAL (SHEET 2)		9757	
TOTAL (SHEET 1 + SHEET 2)		18520	
- NO DIRECT PAY FOR SAWCUTS - SPLICE INTO EXISTING LEAD-IN WIRES IN PULLBOX - CUT EXISTING LOOP WIRES / SEE STD. 902.50 FOR LOOP DETECTION INSTALLATION DETAILS - LOOP INSTALLATION SHALL BE VERIFIED WITH THE MODOT SE DISTRICT SIGNALS/TRAFFIC SUPERVISOR			

STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 11:28:37 AM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BU 60

DISTRICT

SE

STATE

MO

SHEET NO.

3

COUNTY

BUTLER

JOB NO.

19S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

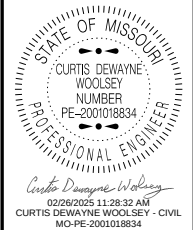
JEFFERSON CITY, MO 65102

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

ENTRANCE REMOVAL									
LOG MILE	RTE	LENGTH	WIDTH	CONCRETE SIDEWALK 4 IN.	CURB AND GUTTER TYPE B	CONCRETE CURB TYPE S (6 IN. HEIGHT AND UNDER)	SEEDING COOL SEASON GRASSES	MULCHING	REMARKS
		(FT)	(FT)	(SY)	(LF)	(LF)	(AC)	(AC)	
4.107	BU 60	VAR	VAR	46.1	56	41	0.01	0.01	CLOSE ENTRANCE TO PARKING AREA
			TOTAL	46.1	56	41	0.01	0.01	
			USE	46.1	56	41	0.1	0.1	
- USE TYPE III MOVABLE BARRICADES AS NEEDED TO PROTECT NEW CONCRETE - COST OF REMOVALS & SAWCUT OF EXISTING ENTRANCE IS INCLUDED IN THE REMOVAL OF IMPROVMENTS BID ITEM									

OPTIONAL SHOULDER & PAVED APPROACHES								
LOG MILE	RTE	LENGTH	WIDTH	8" OPTNL. SHLDR. BASE PG 64-22 (BP-2) (SEE JSP)	PAVED APPROACH (8 IN. PCCP)	LINEAR GRADING CLASS 1	TYPE 1 AGG. FOR BASE 3 IN. THICK	REMARKS
		(FT)	(FT)	(TON)	(SY)	(STA)	(SY)	
0.342	BU 60	40.0	VAR	25	-	0.4	54	PAVEMENT WIDENING AT BARRON ROAD CROSS-OVER, SEE SPECIAL SHEETS
-	S 11TH ST	VAR	VAR	-	53.2	-	53	TIE-IN TO EXISTING CONCRETE APPROACH, SEE SPECIAL SHEETS
-	N 5TH ST	60.0	VAR	-	169.6	-	170	REPLACE NORTH APPROACH TO TRAFFIC SIGNAL, SEE SPECIAL SHEETS
			TOTAL	25	222.8	0.4	277	
- USE TYPE III MOVABLE BARRICADES AS NEEDED TO PROTECT NEW CONCRETE - COST OF REMOVALS & SAWCUT OF EXISTING PAVEMENT IS INCLUDED IN THE REMOVAL OF IMPROVEMENTS BID ITEM - COST OF GRADING OR ANY INCIDENTAL WORK WILL BE CONSIDERED COVERED BY THE CONTRACT UNIT PRICE FOR PAVED APPROACH								

MOBILIZATION
1 LUMP SUM



DATE PREPARED	
2/26/2025	
ROUTE	STATE
BU 60	MO
DISTRICT	SHEET NO.
SE	3
COUNTY	
BUTLER	
JOB NO.	
J9S3603	
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 NUM.	DESCRIPTION	SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION	ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2024	DESCRIPTION
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	2	16.00				END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50	2	9.00				PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75	18	157.50				PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)	6123001		TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6161008	3	ADVANCED WARNING RAIL SYSTEM	
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161013		BUOYS (NO WAKE)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161025	150	CHANNELIZER (TRIM LINE)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161030	12	TYPE III MOVEABLE BARRICADE	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161033		DIRECTION INDICATOR BARRICADE	
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161040	2	FLASHING ARROW PANEL	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161047		TYPE III OBJECT MARKER	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161055	50	SEQUENTIAL FLASHING WARNING LIGHT	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161070		TUBULAR MARKER	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00						SPEED LIMIT XX	6161095		RADAR SPEED ADVISORY SYSTEM	
WO3-4	48X48	16.00	18	288.00				BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN,	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161096		COMMISSION FURNISHED/RETAINED	
WO4-1L	48X48	16.00	2	32.00				MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS			CHANGEABLE MESSAGE SIGN WITHOUT COMM.	
WO4-1R	48X48	16.00	2	32.00				MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161098A	3	INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO4-1aL	48X48	16.00	2	32.00				MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT			CHANGEABLE MESSAGE SIGN WITH COMM.	
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6161099		INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00	4	64.00				ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)			TEMPORARY TRAFFIC BARRIER	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6173600D	710	CONTRACTOR FURNISHED/RETAINED	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER			TEMPORARY TRAFFIC BARRIER	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6175010A	710	RELOCATING TEMPORARY TRAFFIC BARRIER	
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)			TEMPORARY TRAFFIC BARRIER	
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)	6176000B		COMMISSION FURNISHED/RETAINED	
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)									SIDEWALK CLOSED AHEAD,	6177000B		COMMISSION FURNISHED/RETAINED	
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11L	24X18	3.00						(ARROW LEFT) CROSS HERE	6208064A		TEMPORARY RAISED PAVEMENT MARKER	
WO8-6c	48X48	16.00						TRUCK ENTRANCE									SIDEWALK CLOSED AHEAD,	9029400		TEMPORARY TRAFFIC SIGNALS	
WO8-7	36X36	9.00						LOOSE GRAVEL	R9-11R	24X18	3.00						(ARROW RIGHT) CROSS HERE	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	6122040	2	WORK ZONE CRASH CUSHION (NARROW)	
WO8-9	48X48	16.00						LOW SHOULDER	R11-2	48X30	10.00						ROAD CLOSED			WORK ZONE CRASH CUSHION (NARROW)	
WO8-11	48X48	16.00	15	240.00				UNEVEN LANES									ROAD CLOSED XX MILES AHEAD	61622041	2	(RELOCATE)	
WO8-12	48X48	16.00	10	160.00				NO CENTER LINE	R11-3a	60X30	12.50						LOCAL TRAFFIC ONLY				
WO8-15	48X48	16.00						GROOVED PAVEMENT	R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC				
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-3A	60X48	20.00						FINE SIGN				
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)				
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	MISCELLANEOUS SIGNS												
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-5	48X36	12.00						POINT OF PRESENCE				
W10-1	42RND.	9.62						RAILROAD CROSSING	CONST-5	96X48	32.00						POINT OF PRESENCE				
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE				
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	24	384.00				ROAD/BRIDGE/RAMP WORK AHEAD													
WO20-2	48X48	16.00						DETOUR AHEAD													
WO20-3	48X48	16.00						ROAD CLOSED AHEAD	616-10.05				TOTAL								
WO20-4	48X48	16.00	6	96.00				ONE LANE ROAD AHEAD	CONSTRUCTION SIGNS				2092								
WO20-5	48X48	16.00	4	64.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10.10					TOTAL							
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	RELOCATED SIGNS					0							
WO20-6a	48X48	16.00	8	128.00				RIGHT/CENTER/LEFT LANE CLOSED													
WO20-7a	48X48	16.00	19	304.00				FLAGGER (SYMBOL)													
WO21-2	36X36	9.00						FRESH OIL													
WO21-5	48X48	16.00	2	32.00				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	4	8.76				WET PAINT (ARROW PIVOTS)													

* REFER TO STANDARD PLANS SHEETS 616.20
FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.

SUMMARY OF QUANTITIES
SHEET 7 OF 7

STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 11:28:21 AM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

STATE

BU 60

MO

DISTRICT

SHEET NO.

SE

3

COUNTY

BUTLER

JOB NO.

J9S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

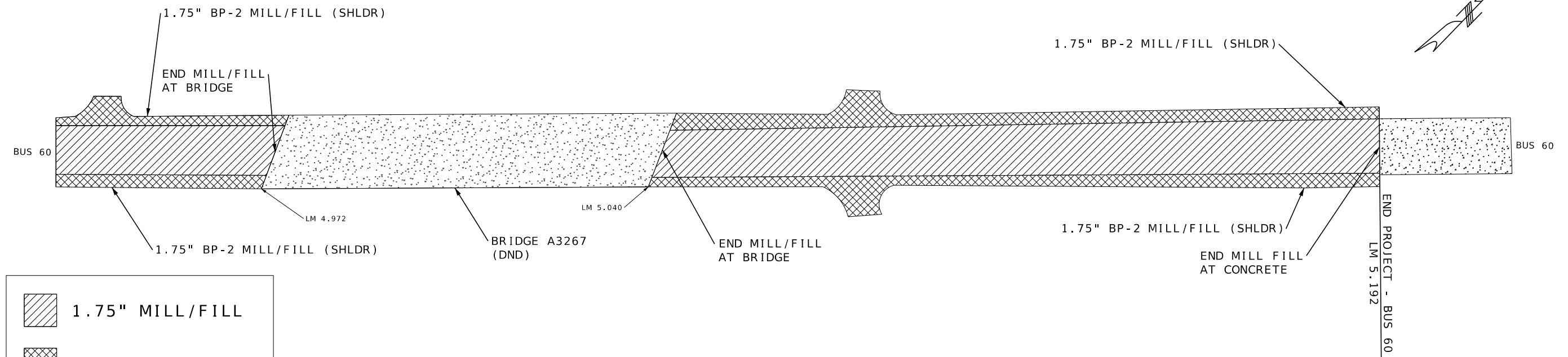
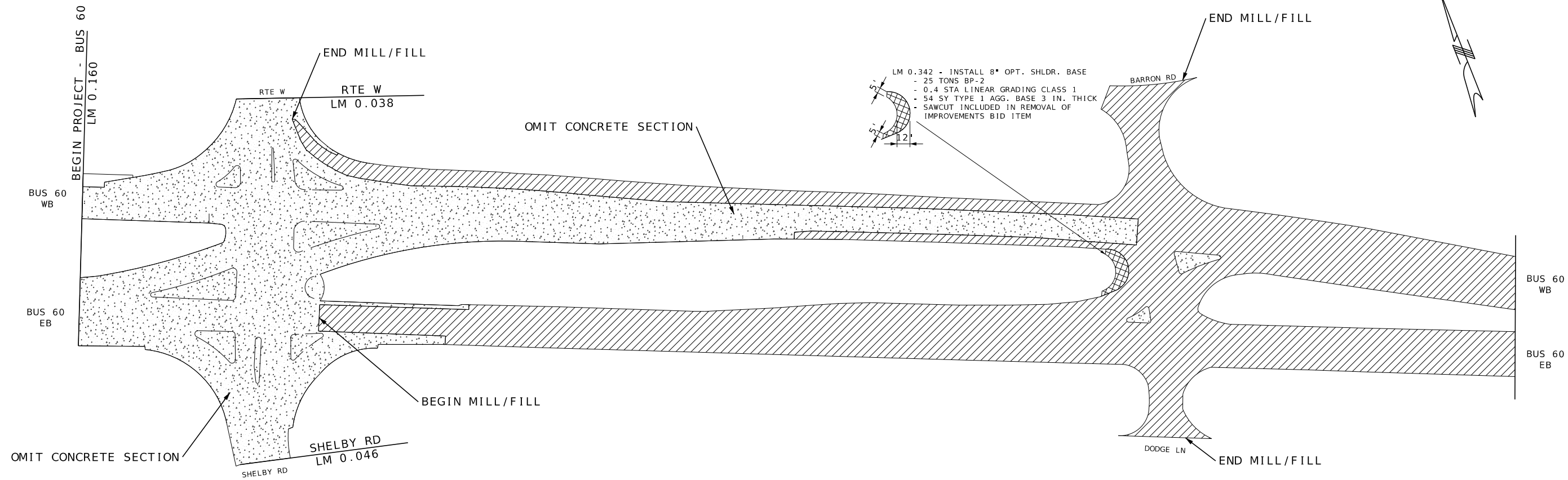
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



	1.75" MILL/FILL
	SEE NOTE
	DO NOT DISTURB

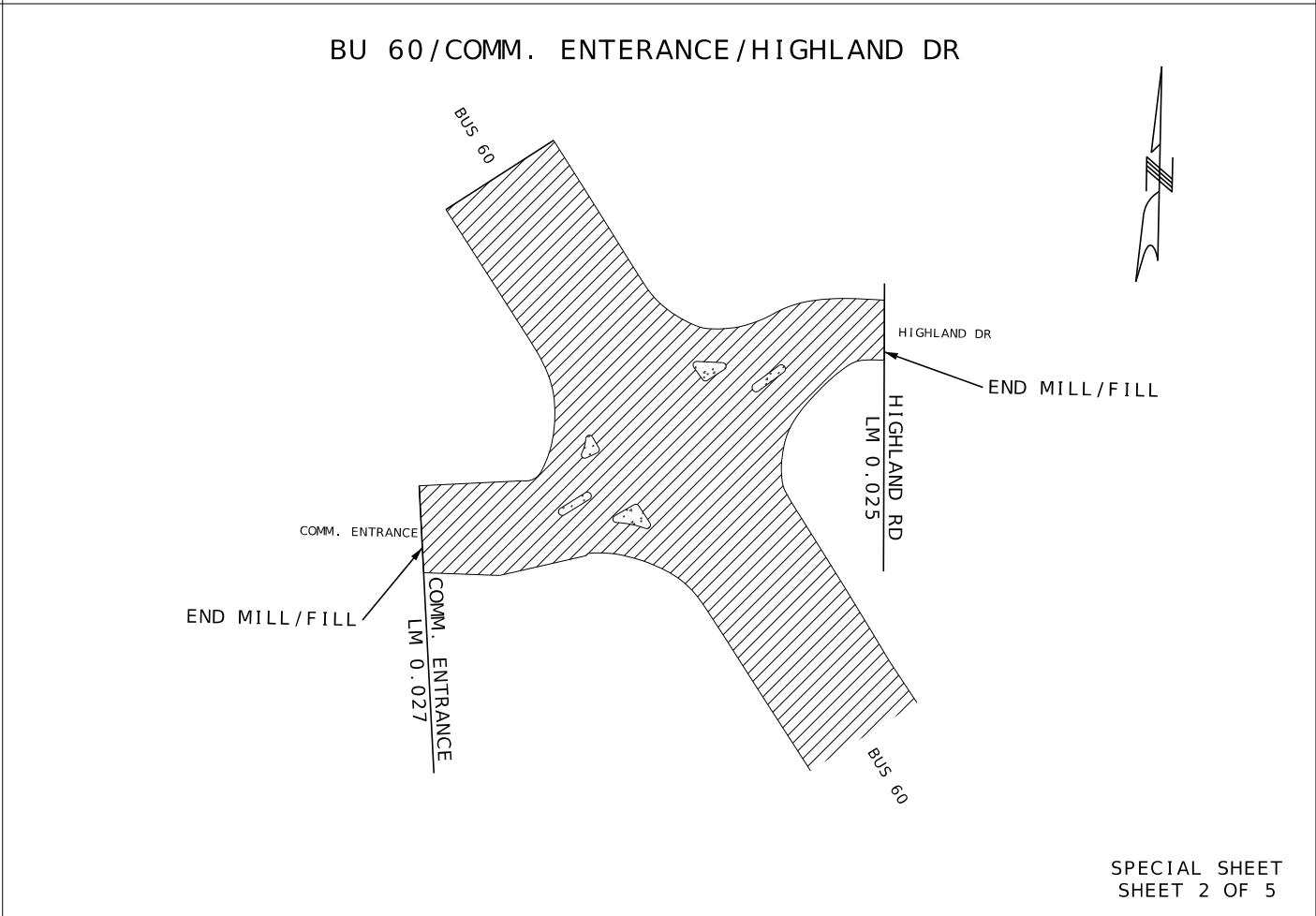
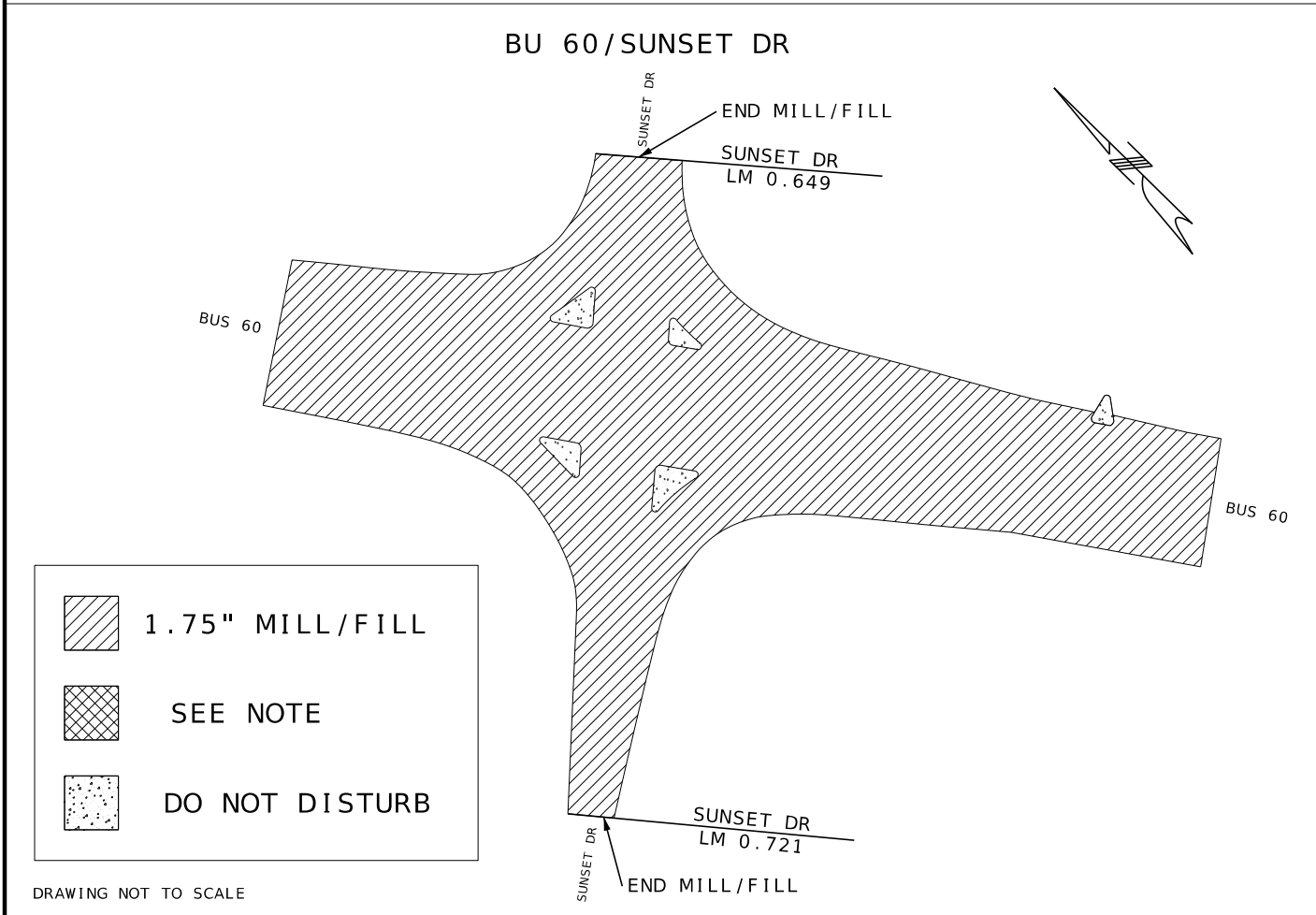
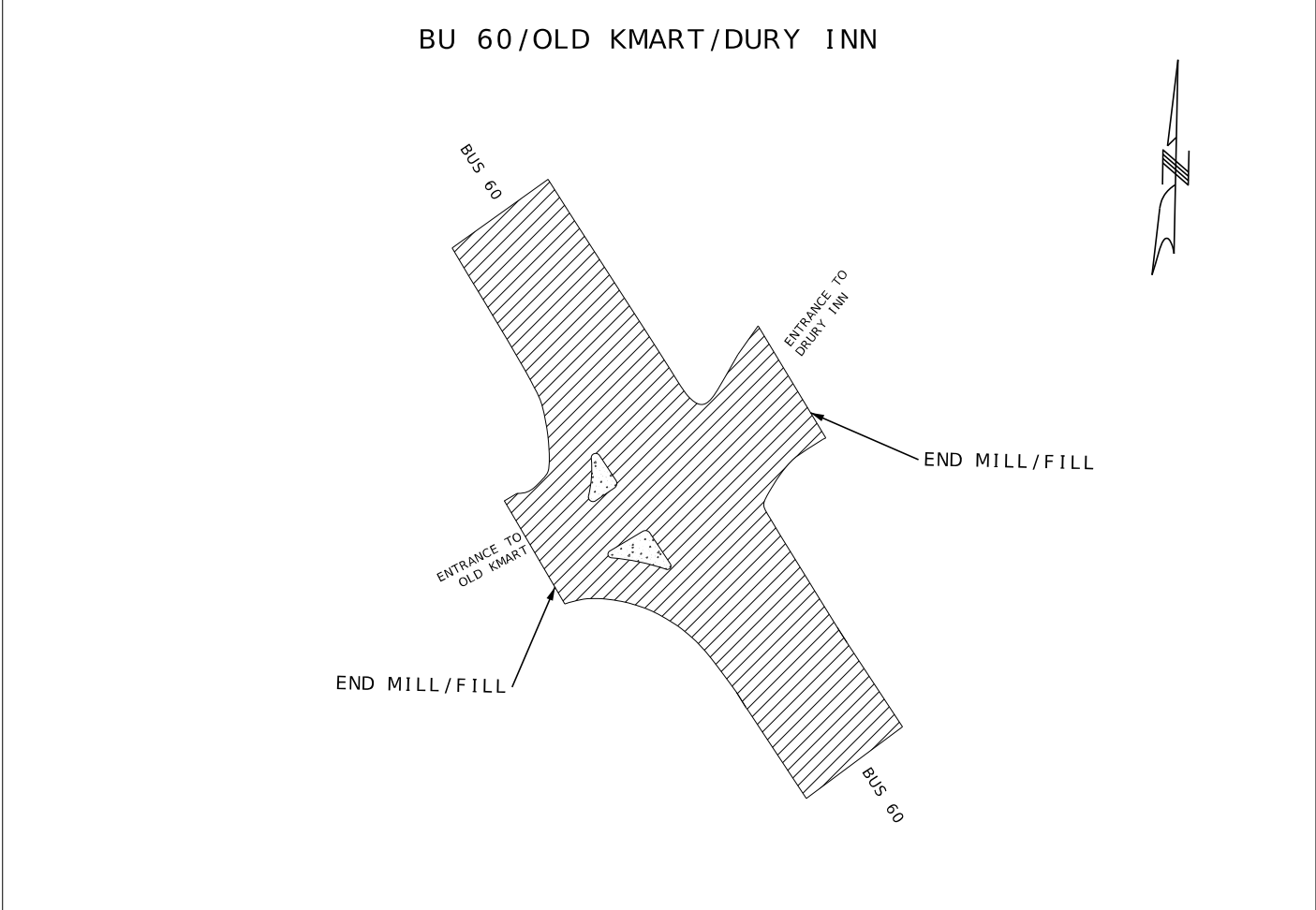
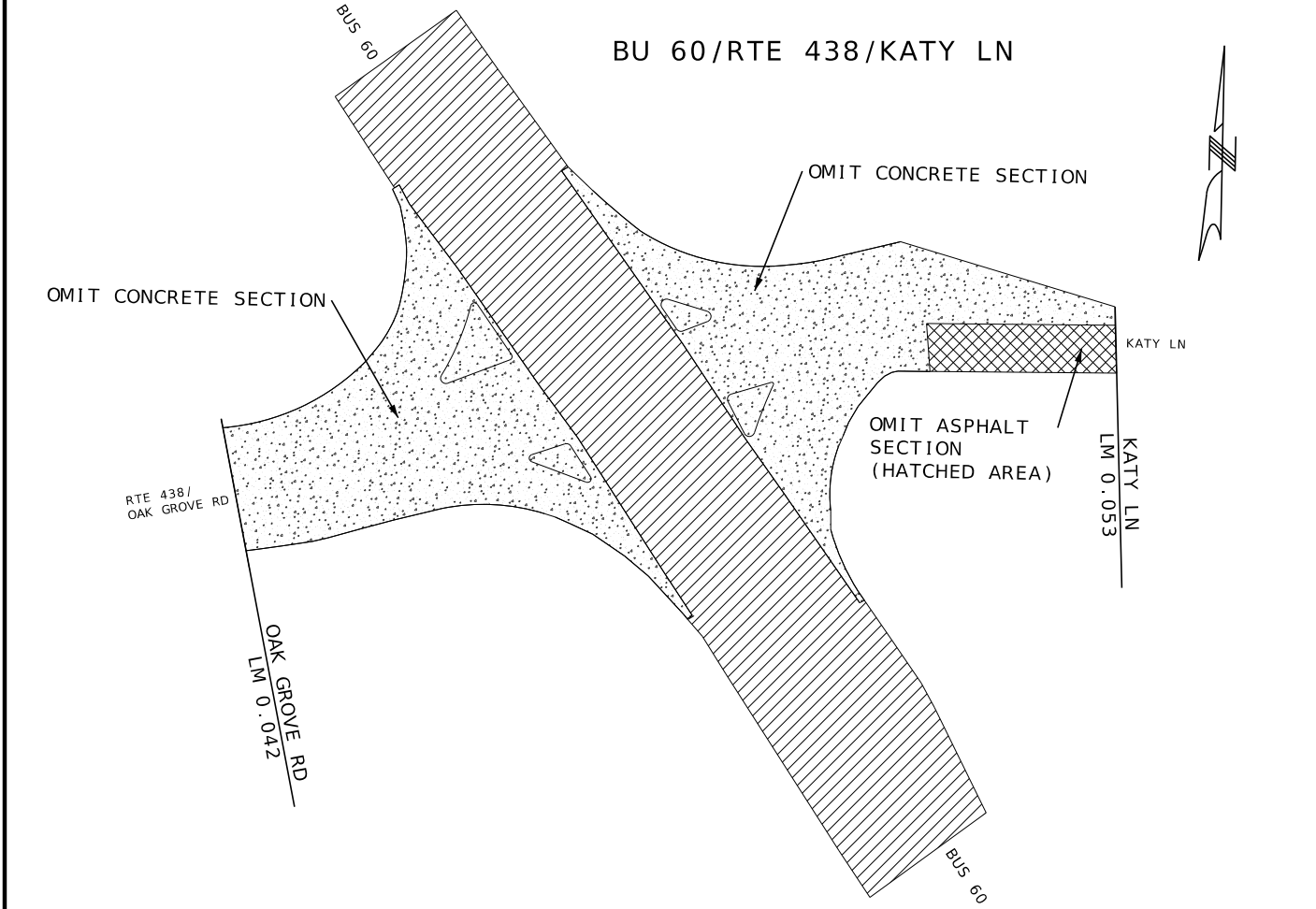
SPECIAL SHEET
SHEET 1 OF 5

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**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

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



STATE OF MISSOURI
CURTIS DEWAYNE WOOLSEY
NUMBER
PE-2001018834
PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey
02/26/2025 2:42:01 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
1/30/2025

ROUTE
BU 60

STATE
MO

DISTRICT
SE

SHEET NO.
5

COUNTY
BUTLER

JOB NO.
19S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

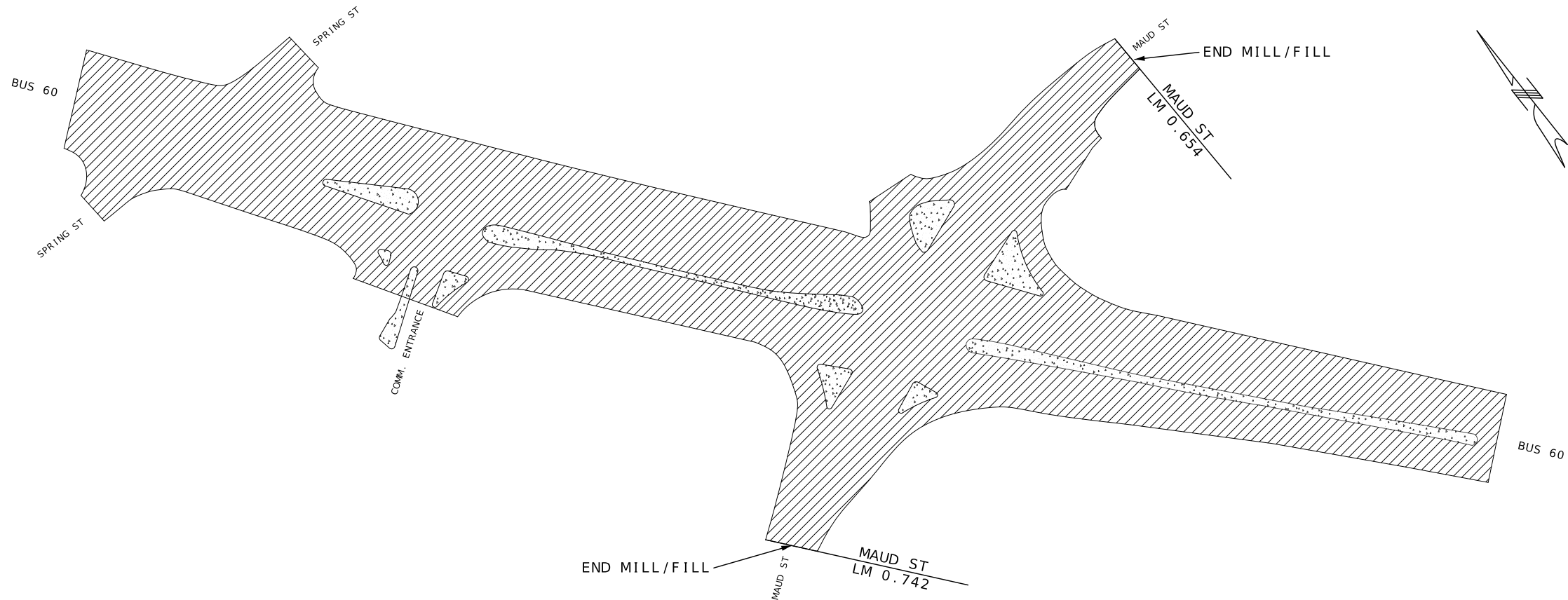
MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

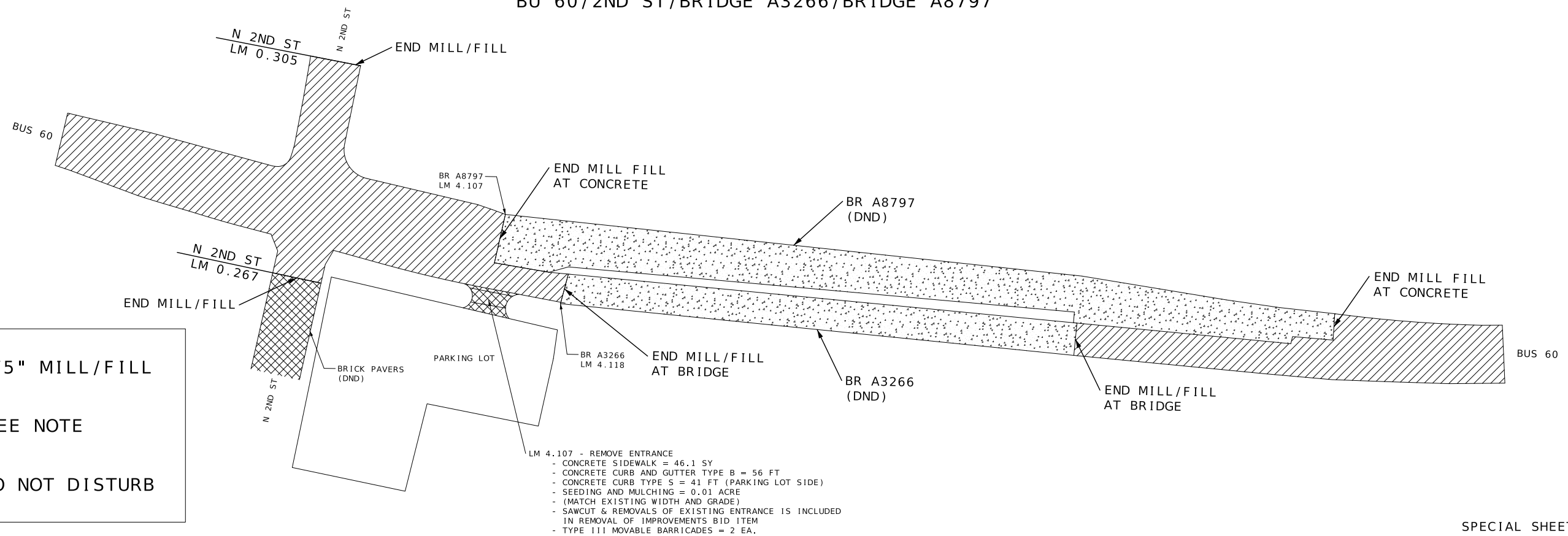
SPECIAL SHEET
SHEET 2 OF 5

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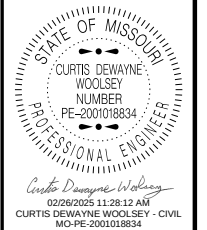


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SPECIAL SHEET
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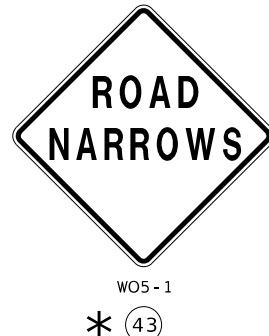
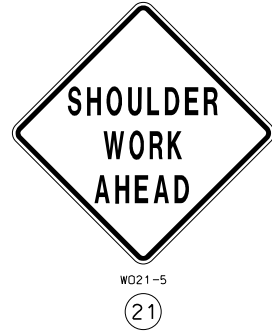
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSIONWAYS AND THE
COMMISSION

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

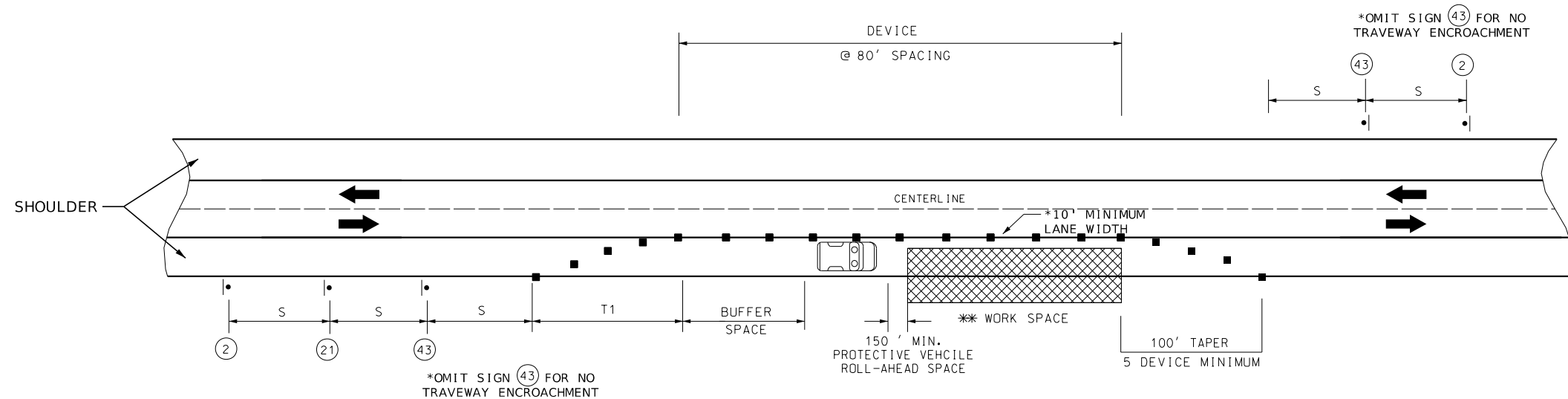




BRIDGE
OR
RAMP



BRIDGE
OR
RAMP



WORK ZONE FOR SHOULDER WORK

TRAFFIC CONTROL LEGEND

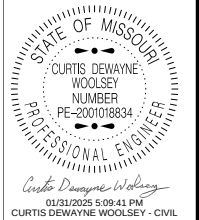
- FLAGGER
- CHANNELIZER
- SIGN

NOTES:
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPETELY COVERED OR REMOVED.
NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.
REFER TO STANDARD PLAN 616.20 FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

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

PERMANENT POSTED SPEED LIMIT (MPH)	RECOMMENDED BUFFER LENGTH (FT)	TAPER LENGTH SHOULDER (T1) (FT)	CHANNELIZER SPACING (FT)	
			TAPERS	BUFFER/ WORK AREAS
0 - 35	250	70	35	40
40 - 45	360	150	40	80
50 - 55	495	185	50	80
60 - 70	730	235	60	120



DATE PREPARED 1/31/2025	
ROUTE BU 60	STATE MO
DISTRICT SE	SHEET NO. 10
COUNTY BUTLER	
JOB NO. J9S3603	
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)

1. ALL STATIONING, DISTANCES AND SPACING OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND MAY BE ADJUSTED BASED ON FIELD CONDITIONS.
2. ALL EXISTING SIGNS ARE TO BE USED IN PLACE, ADJUSTED, AND/OR COVERED AS CONDITIONS REQUIRE.
3. SEE CHART FOR CHANNELIZER SPACING

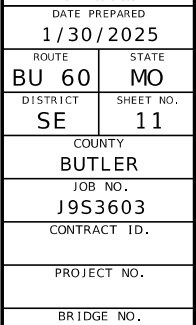


TRAFFIC CONTROL LEGEND

- 5-LANE SECTION
STATIONARY LANE CLOSURE



1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET. 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

[illegible]

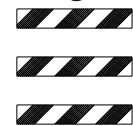
**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

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



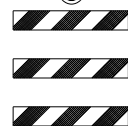
BRIDGE
OR
RAMP



(2)



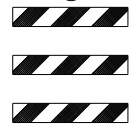
CENTER LANE
OR
RIGHT LANE



7



CENTER
OR
RIGHT



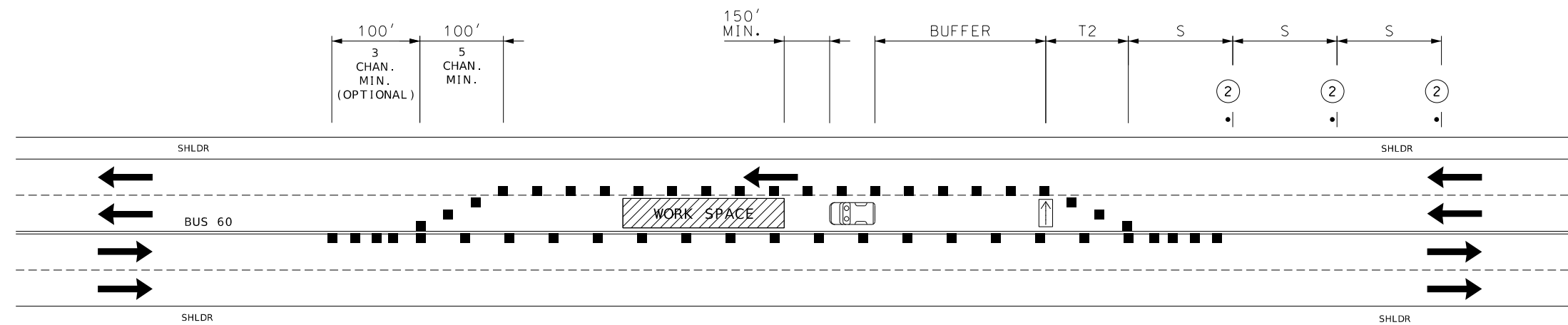
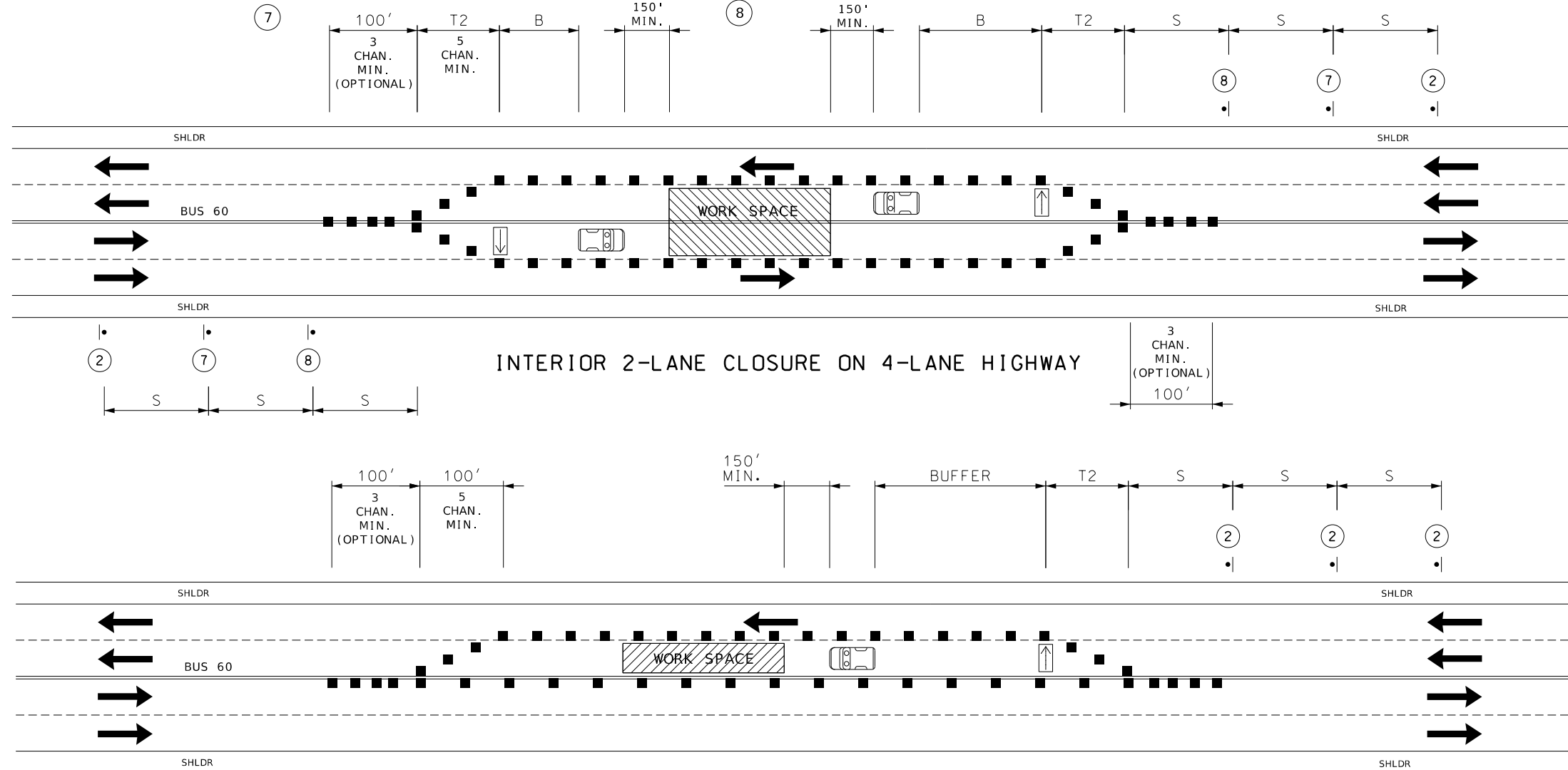
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TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

■ CHANNELIZER

 FLASHING ARROW PANEL



NOTE :

-DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

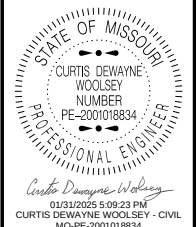
-FLASHING ARROW PANEL (FAP) REQUIRED ON PROTECTIVE VEHICLES.

-SPACING BETWEEN SIGNS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

-REFER TO STANDARD PLAN SHEETS 616.20 FOR ADDITIONAL
TEMPORARY TRAFFIC CONTROL.

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0 - 35	200	-	70	245	250	35	40
40 - 45	350	-	150	540	360	40	80
50 - 55	500	-	185	660	495	50	80
60 - 70	1000	-	235	840	730	60	120
1. SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET. 2. LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.							

TRAFFIC CONTROL
SHEET 5 OF 5



DATE PREPARED

ROUTE	STATE
BU 60	MO

DISTRICT	SHEET
SE	13

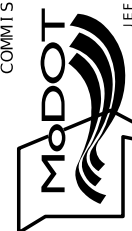
COUNTY

BUTLER

JOB NO.	
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J9S360

CONTRACT	
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[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



MATCHLINE
3
LM 0.83

MATCHLINE
4
LM 1.03

STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:07:50 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BU 60

STATE

MO

DISTRICT

SE

SHEET NO.

17

COUNTY

BUTLER

JOB NO.

J9S3603

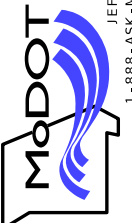
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

PAVEMENT MARKING SHEET
SHEET 4 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 12:50:01 PM 2/26/2025



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:07:33 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BU 60

STATE

MO

DISTRICT

SE

SHEET NO.

19

COUNTY

BUTLER

JOB NO.

J9S3603

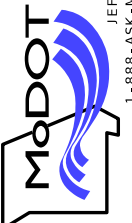
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

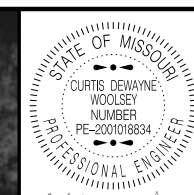
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

PAVEMENT MARKING SHEET
SHEET 6 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 12:53:11 PM 2/26/2025



02/26/2025 2:07:12 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
3/26/2025

ROUTE	STATE
BU 60	MO

DISTRICT	SHEET NO
SE	22

COUNTY
BUTLER

JOB NO.
J953603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

PAVEMENT MARKING SHEET
SHEET 9 OF 23



MATCHLINE
11
LM 2.49

MATCHLINE
12
LM 2.69

SPRING ST

SPRING ST



Curtis Dewayne Woolsey
02/26/2025 2:06:54 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
2/26/2025

ROUTE STATE

BU 60 MO

DISTRICT SHEET NO.

SE 25

COUNTY

BUTLER

JOB NO.

J9S3603

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)

PAVEMENT MARKING SHEET
SHEET 12 OF 23



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:06:48 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

STATE

BU 60

MO

DISTRICT

SHEET NO.

SE

26

COUNTY

BUTLER

JOB NO.

J9S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

MODOT

PAVEMENT MARKING SHEET

SHEET 13 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:13:59 PM 2/26/2025



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:06:38 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

STATE

BU 60

MO

DISTRICT

SHEET NO.

SE

27

COUNTY

BUTLER

JOB NO.

19S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MODOT

PAVEMENT MARKING SHEET

SHEET 14 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:15:32 PM 2/26/2025



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:06:15 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

STATE

BU 60

MO

DISTRICT

SHEET NO.

SE

29

COUNTY

BUTLER

JOB NO.

19S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

MoDOT

PAVEMENT MARKING SHEET

SHEET 16 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:18:46 PM 2/26/2025



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:08:09 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BU 60

STATE

MO

DISTRICT

SE

SHEET NO.

30

COUNTY

BUTLER

JOB NO.

J9S3603

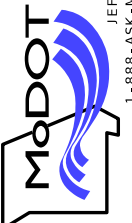
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PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

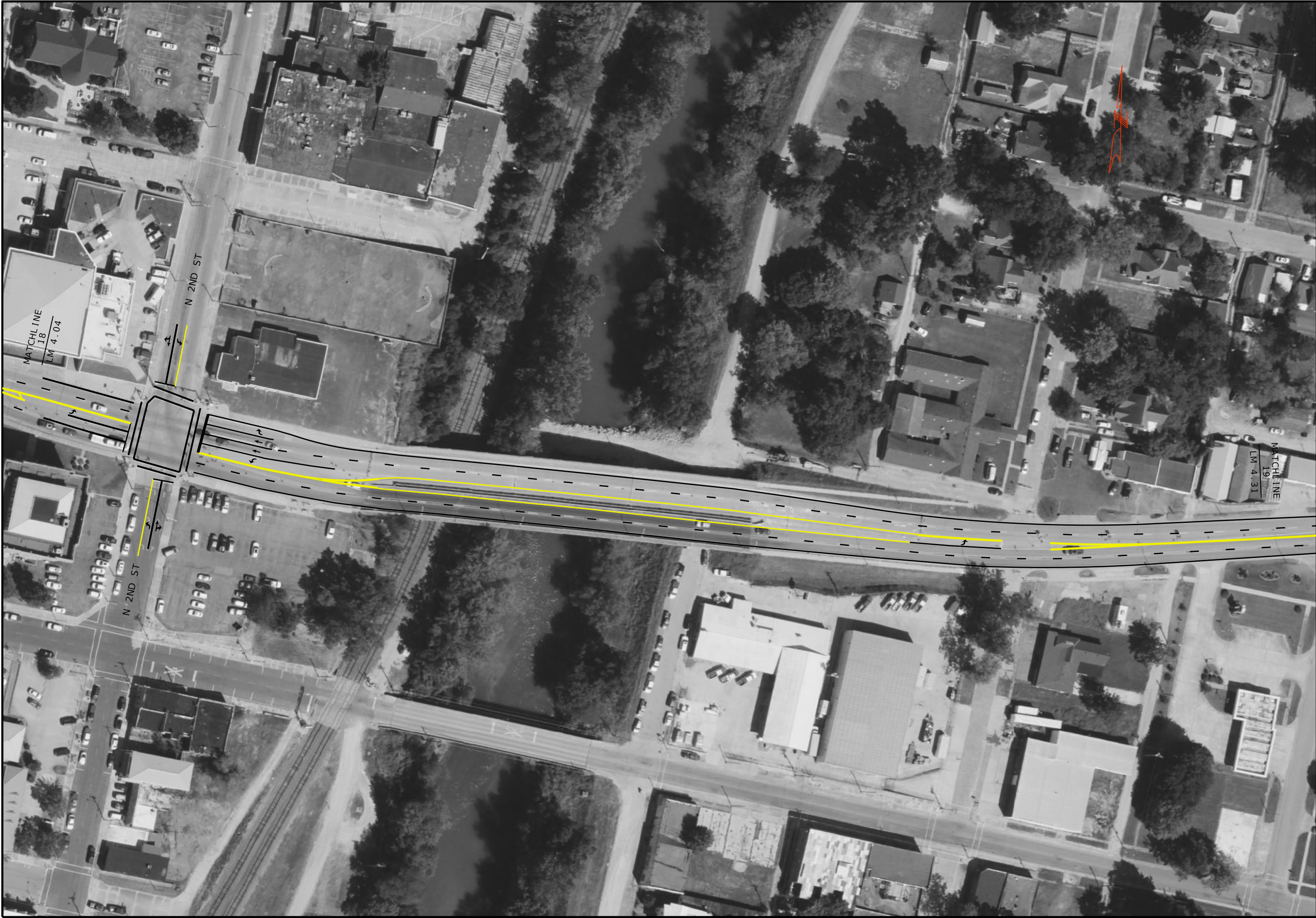
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

PAVEMENT MARKING SHEET
SHEET 17 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:21:21 PM 2/26/2025



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:41:33 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

STATE

BU 60

MO

DISTRICT

SHEET NO.

SE

32

COUNTY

BUTLER

JOB NO.

19S3603

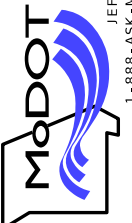
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BRIDGE NO.

DATE	DESCRIPTION

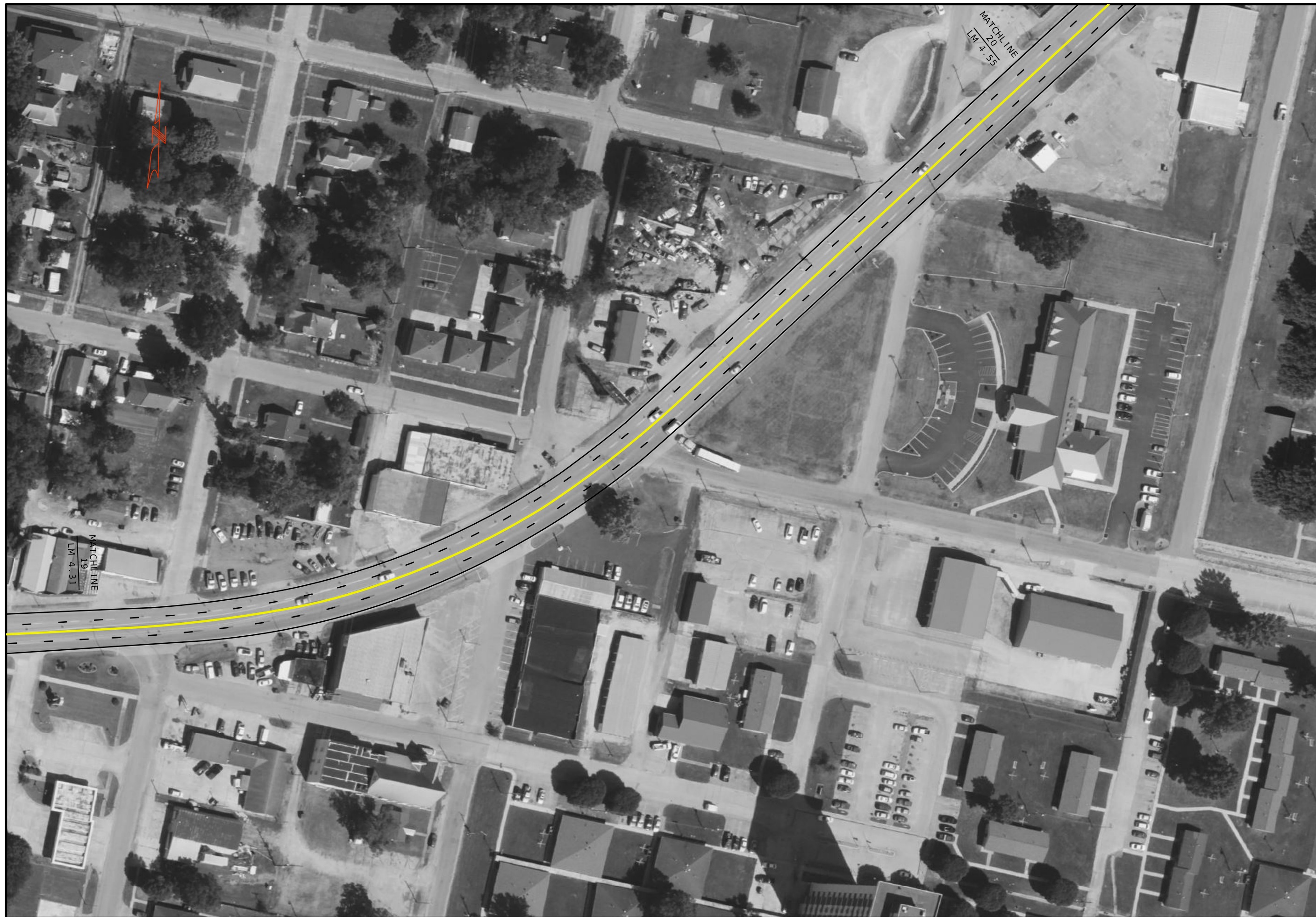
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

PAVEMENT MARKING SHEET
SHEET 19 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:23:35 PM 2/26/2025



Curtis Dwayne Woolsey
02/26/2025 2:41:29 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
2/26/2025

2/26/2025	
ROUTE	STATE

BU	60	MO
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DISTRICT	SHEET NO.
05	02

SE	33
COUNTY	

BUTLER

JOB NO.

J9S3603

CONTRACT ID.

PROJECT NO.

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

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

PAVEMENT MARKING SHEET
SHEET 20 OF 23



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey

02/26/2025 2:41:23 PM

CURTIS DEWAYNE WOOLSEY - CIVIL

MO-PE-2001018834

DATE PREPARED

2/26/2025

ROUTE

BU 60

STATE

MO

DISTRICT

SE

SHEET NO.

34

COUNTY

BUTLER

JOB NO.

J9S3603

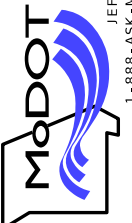
CONTRACT ID.

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)

PAVEMENT MARKING SHEET
SHEET 21 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:25:59 PM 2/26/2025



STATE OF MISSOURI

CURTIS DEWAYNE WOOLSEY

NUMBER

PE-2001018834

PROFESSIONAL ENGINEER

Curtis Dewayne Woolsey
02/26/2025 2:41:12 PM
CURTIS DEWAYNE WOOLSEY - CIVIL
MO-PE-2001018834

DATE PREPARED
2/26/2025

ROUTE
BU 60

STATE
MO

DISTRICT
SE

SHEET NO.
35

COUNTY
BUTLER

JOB NO.
J9S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



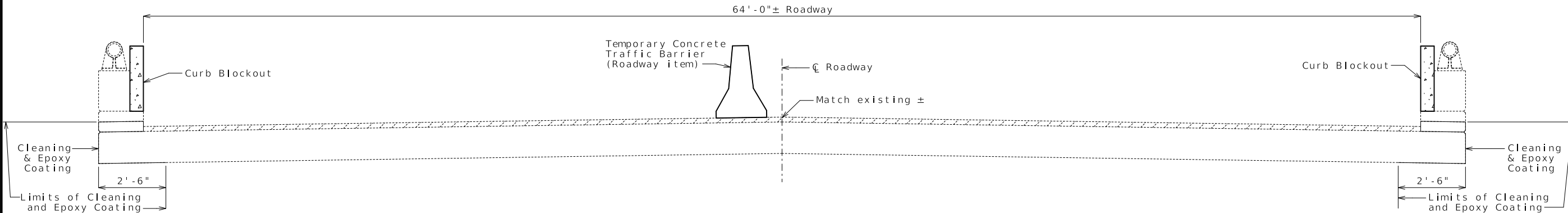
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

PAVEMENT MARKING SHEET
SHEET 22 OF 23

J9S3603_ETHAN_MARKINGS_SS_PSE.dgn 1:26:59 PM 2/26/2025

U.I.P. AND REHABILITATE EXISTING (25'-11@27.5'-25') CONTINUOUS CONCRETE SOLID SLAB SPANS
(SKEW: 20°00'00" L.A.)

SEC/SUR 2 TWP 24N RGE 6E



TYPICAL SECTION THRU EXISTING DECK

Curb Blockout Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Bridge rail not shown for clarity.

Concrete in curb blockout shall be Class B-1.

Measurement of curb blockout is to the nearest linear foot, measured at the top outside edge of parapet. (Match existing curb and parapet)

All exposed edges of curb blockout shall have either a 1/2-inch radius or 3/8-inch bevel, unless otherwise noted.

Payment for concrete, reinforcement, resin anchor systems and any other work incidental to the curb blockout, complete in place, will be considered completely covered by the contract unit price for Curb Blockout per linear foot.

Cost of any concrete curb or parapet repair will be considered completely covered by the contract unit price for Curb Blockout.

Asbestos (Friability Category II NF) has been detected in the insulation compound between the top of the existing concrete parapet and the base of the existing handrail posts. The contractor has the option to remove the handrail and posts or leave in place. Should the contractor elect to remove the handrail and posts, the contractor will be required to use an abatement subcontractor during the removal. No direct payment will be made for removal of the handrail and posts, or for asbestos abatement. The described work will be considered completely covered by the contract unit price for other items in the contract.

All curb blockout reinforcement shall be epoxy coated.

(2) Shift resin anchors where necessary to clear existing anchor bolts for bridge rail, miss curb outlets (if present) and clear existing reinforcement.

Use a minimum lap of 3'-1" for #5 horizontal curb blockout bars.

Concrete traffic barrier delineators shall be placed on top of the curb blockout similarly as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Curb Blockout.

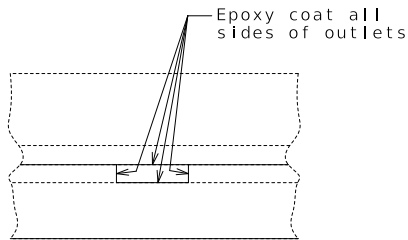
The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

The minimum embedment depth in concrete with f'c = 4,000 psi for the resin anchor system shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5 inches.

An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8"Ø threaded rod.

For slip-formed option, both sides of the curb blockout shall have a vertically broomed finish and the top shall have a transversely broomed finish.

Work this sheet with Sheets No. 2 & 3.



TYPICAL ELEVATION SHOWING EPOXY COATING OF OUTLETS

Estimated Quantities

Estimated Quantities		
Item		Total
Curb Blockout	linear foot	732
Cleaning and Epoxy Coating	sq. foot	3000

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 6

Design Loading:

HS20-44 (1973 & New Construction)

Design Unit Stresses:

Class B-1 Concrete (Curb Blockout) f'c = 4,000 psi

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match existing bridge wearing surface (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: BUS. ROUTE 60
OVER PALMER SLOUGH

BUS. ROUTE 60 FROM ROUTE B TO BUS. ROUTE 67
ABOUT 0.6 MILES SOUTHWEST OF ROUTE B
BEGINNING STATION 46+75.00± (Match Existing)



DATE PREPARED
3/4/2025

ROUTE BU 60 STATE MO

DISTRICT BR SHEET NO. 1

COUNTY BUTLER

JOB NO. J9S3603

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A32672

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

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