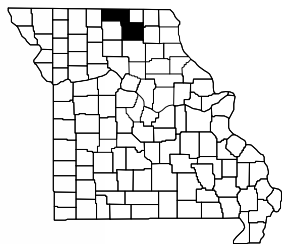


DESIGN DESIGNATION

A.A.D.T. - 2025= 347

V = 55 M.P.H.

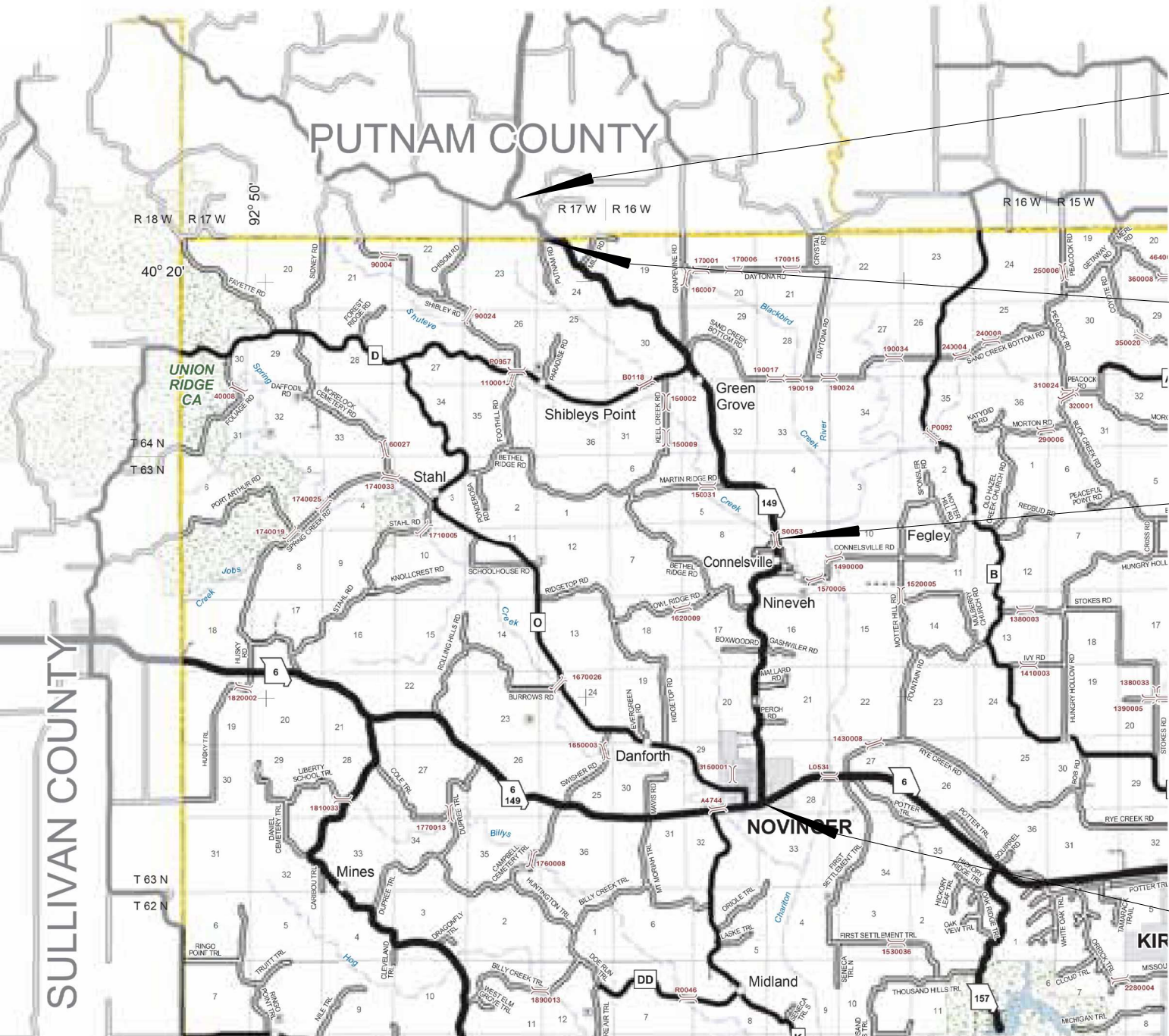


KEY MAP
LOCATION OF PUTNAM/ADAIR COUNTIES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

PUTNAM/ADAIR COUNTIES

T64N AND T63N - R17W AND R16W



LOG MILE 20.539
BEG OF PROJECT

PUTNAM CO.
ADAIR CO.

LOG MILE 21.356
COUNTY LINE

BRIDGE A8997 EXCEPTION
LM 27.250 TO LM 27.273

LOG MILE 31.290
END OF PROJECT

RTE 149
SEAL COAT GRADE B2

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES - 0 ACRES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (1 SHEET)-----	3



DATE PREPARED
5/1/2025

ROUTE
149

DISTRICT
NE

COUNTY
PUTNAM/ADAIR

JOB NO.
JNEM0096

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

LENGTH OF PROJECT

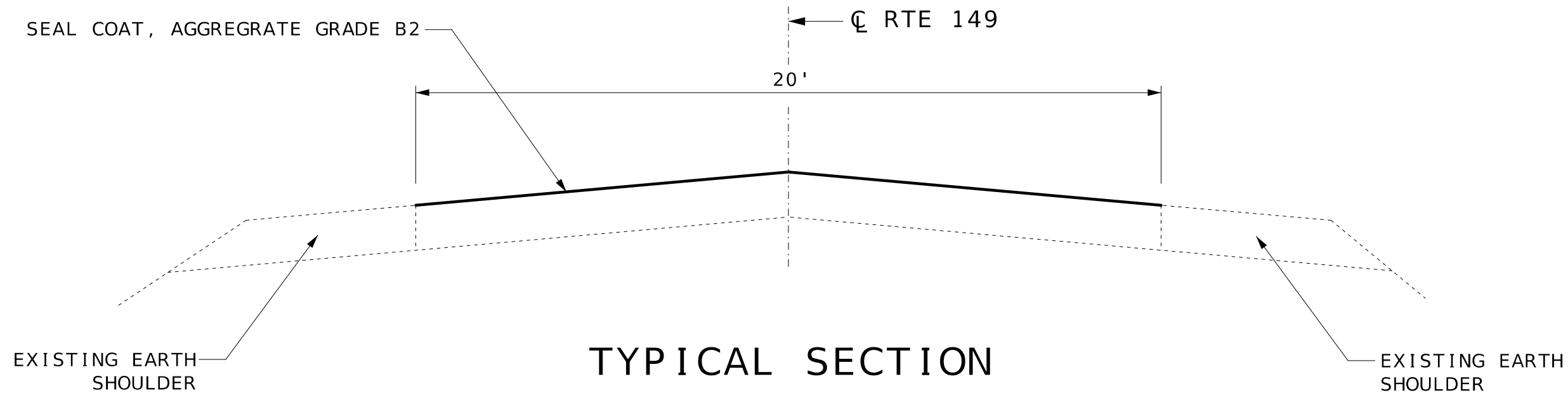
BEGINNING OF PROJECT	20.539
END OF PROJECT	31.290
APPARENT LENGTH	10.751 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE #A8997	0.023 MILES

TOTAL CORRECTIONS	0.023 MILES
NET LENGTH OF PROJECT	10.728 MILES
STATE LENGTH	10.728 MILES

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



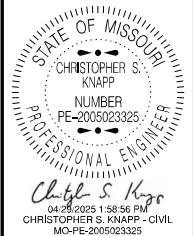
TITLE SHEET



- * LOG MI. 20.539 TO 27.250 - 20'†
- * LOG MI. 27.273 TO 31.281 - 20'
- * LOG MI. 31.281 TO 31.290 - VARIES

† BRIDGE A8997 EXCEPTION
LOG MI. 27.250 TO 27.273

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
AGGREGATE APPLICATION RATE 17 LBS/SY
BINDER APPLICATION RATE 0.28 GAL/SY



DATE PREPARED 4/29/2025	
ROUTE 149	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY PUTNAM/ADAIR	
JOB NO. JNEM0096	
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)

SEAL COAT QUANTITIES							
LOG MILE	LOG MILE	LOCATION	LENGTH (MI)	WIDTH (FT)	SEAL COAT AGGREGATE, GRADE B2 (SY)	EMULSIFIED ASPHALT, SEAL COAT (GAL)	REMARKS
20.539	27.250	RTE 149	6.711	20	78,742.4	22,047.9	BEG PROJECT
27.250	27.273	RTE 149	-	-	-	-	BRIDGE A8997 EXCEPTION
27.273	31.281	RTE 149	4.008	20	47,027.2	13,167.6	
31.281	31.290	RTE 149	0.009	VARIES	500.0	140.0	END PROJECT
				TOTAL	126,269.6	35,355.5	
				USE	126,270	35,360	
FACTOR USED FOR EMULSIFIED ASPHALT = 0.28 GALLONS/S.Y.							

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 11 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	11	176.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
57	W08-7a	36 X 36	9.00	22	198.00	FRESH OIL / LOOSE GRAVEL
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 23 TOTAL						
2	W020-1	48 X 48	16.00	23	368.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	23	368.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	23	368.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	23	34.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 1 TOTAL						
2	W020-1	48 X 48	16.00	1	16.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	1	16.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	1	16.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	1	8.75	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					1875.51	616-99.01 MISC. LUMP SUM
CHANNELIZERS					100	TEMPORARY TRAFFIC CONTROL
NOTES: ALL TEMPORARY TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL UNLESS OTHERWISE NOTED. FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM. MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION. REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS. REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.						

PLURAL COMPONENT LIQUID PAVEMENT MARKING			
LOG MILE	LOCATION	CROSSWALK AND ISLAND 6" WHITE (LF)	REMARKS
30.895	RTE 149	40	CROSSWALK
	SUBTOTAL	40	
	TOTAL	40	
LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING			



NOTE: FRESH OIL/LOOSE GRAVEL SIGN SHALL BE PLACED AT THE START OF THE PROJECT AT ONE MILE INTERVALS. SIGNS SHOULD ALSO BE INSTALLED WITHIN 150 FT. AFTER THE INTERSECTION OF A STATE ROUTE. ADDITIONAL SIGNS MAY BE INSTALLED WITHIN 150 FT. AFTER OTHER INTERSECTIONS, AS DIRECTED BY ENGINEER.

MOBILIZATION
1 LUMP SUM

ITEM NO.	QTY.	DESCRIPTION
616-1098A	2	CHANGEABLE MESSAGE BOARD

PAVEMENT MARKINGS							
LOG MILE	LOG MILE	LOCATION	HIGH BUILD WATERBORNE PAINT, TYPE L BEADS				REMARKS
			4" YELLOW INTERMITTENT CENTERLINE (LF)	4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	4" WHITE SOLID EDGELINE (LF)	
20.539	24.219	RTE 149			38861		
24.219	26.658	RTE 149			25756		
26.658	26.838	RTE 149		1188			
26.838	27.019	RTE 149	239				SBL INTERMITTENT AND NBL SOLID
27.019	27.159	RTE 149			1478		
27.159	27.205	RTE 149					
27.303	27.339	RTE 149					
27.339	30.775	RTE 149			36284		
30.775	31.290	RTE 149			5438		
24.219	30.775	RTE 149				69231	
20.539	31.290	RTE 149				0	EDGELINE EXCEPTIONS
		SUBTOTAL	239	1,188	107,817	69,231	
		TOTAL		109,244		69,231	
LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING							

STATE OF MISSOURI

CHRISTOPHER S. KNAPP

NUMBER

PE-2005023325

PROFESSIONAL ENGINEER

04/28/2025 2:00:25 PM

CHRISTOPHER S. KNAPP - CIVIL

MO-PE-2005023325

DATE PREPARED

4/29/2025

ROUTE

149

STATE

MO

DISTRICT

NE

SHEET NO.

3

COUNTY

PUTNAM/ADAIR

JOB NO.

JNEM0096

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

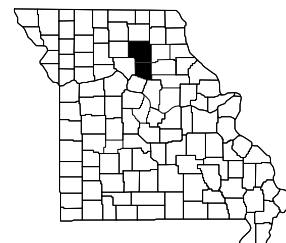
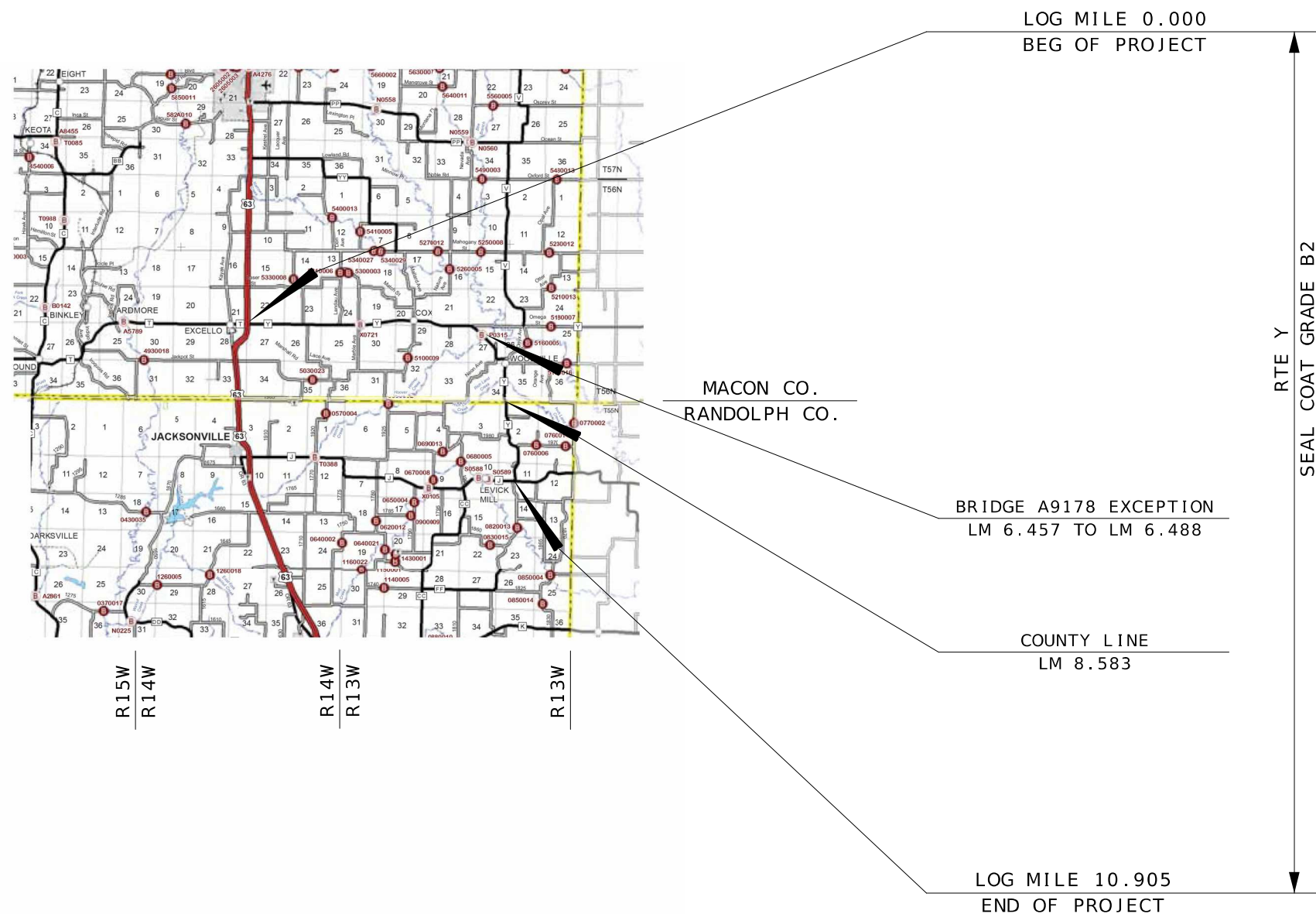
SUMMARY OF QUANTITIES

SHEET 1 OF 1

A.A.D.T. - 2025 = 419
V = 55 M.P.H.

MACON / RANDOLPH COUNTIES

T56N TO T55N - R14W TO R13W



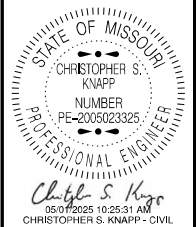
KEY MAP
LOCATION OF MACON/RANDOLPH COUNTIES



FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES - 0 ACRES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (2 SHEETS)-----	3
TRAFFIC CONTROL SHEETS (TC)-----	4



MO-PE-2005023325	
DATE PREPARED	
5/1/2025	
ROUTE	STATE
Y	MO
DISTRICT	SHEET NO.
NE	1
COUNTY	
MACON / RANDOLPH	
JOB NO.	
JNEM0099	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

**MISSOURI
DEPARTMENT OF
TRANSPORTATION**



LENGTH OF PROJECT

BEGINNING OF PROJECT	0.000
END OF PROJECT	10.905
APPARENT LENGTH	10.905 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE #A9178	0.031 MILES

TOTAL CORRECTIONS	0.031
NET LENGTH OF PROJECT	10.874 MILES
STATE LENGTH	10.874 MILES

TITLE SHEET
SHEET 1 OF 1



20'

— C RTE Y

EXISTING EARTH-
SHOULDER

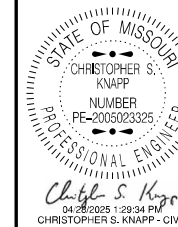
— EXISTING EARTH
SHOULDER

TYPICAL SECTION

```
* LOG MI. 0.000 TO 6.457 - 20'†
* LOG MI. 6.488 TO 10.905 - 20'
```

† BRIDGE A9178 EXCEPTION
LOG MI. 6.457 TO 6.488

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
AGGREGATE APPLICATION RATE 17 LBS/SY
BINDER APPLICATION RATE 0.28 GAL/SY



MO-PE-2005023325
DATE PREPARED
4/25/2025

ROUTE	STATE
Y	MO

DISTRICT	SHEET NO.
NE	2

NE	Z
COUNTY	
MACON / RANDOLPH	

JOB NO.
INEM0000

JNEM0099
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TYPICAL SECTION SHEET
SHEET 1 OF 1

SEAL COAT QUANTITIES							
LOG MILE	LOG MILE	LOCATION	LENGTH (MI)	WIDTH (FT)	SEAL COAT AGGREGATE, GRADE B2 (SY)	EMULSIFIED ASPHALT, SEAL COAT (GAL)	REMARKS
0.000	0.009	RTE Y	0.009	VARIES	325.0	91.0	RADIUS AT START OF JOB
0.009	6.457	RTE Y	6.448	20	75,656.5	21,183.8	BR #P0315 EXCEPTION
6.488	10.896	RTE Y	4.408	20	51,720.5	14,481.7	
10.896	10.905	RTE Y	0.009	VARIES	400.0	112.0	RADIUS AT END OF JOB
TOTAL					128,102.0	35,868.5	
USE					128,102	35,870	
FACTOR USED FOR EMULSIFIED ASPHALT = 0.28 GALLONS/S.Y.							

MOBILIZATION
1 LUMP SUM

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 11 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	12	192.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
57	W08-7a	36 X 36	9.00	24	216.00	FRESH OIL/LOOSE GRAVEL
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 7 TOTAL						
2	W020-1	48 X 48	16.00	7	112.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	7	112.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	7	112.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	7	10.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 0 TOTAL						
2	W020-1	48 X 48	16.00	0	0.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	0	0.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	0	0.00	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					1061	616-99.01 MISC. LUMP SUM
CHANNELIZERS (TRIM-LINE)					25	TEMPORARY TRAFFIC CONTROL
NOTES: ALL TEMPORARY TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL UNLESS OTHERWISE NOTED. FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM. MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION. REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS. REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.						



NOTE: FRESH OIL/LOOSE GRAVEL SIGN SHALL BE PLACED AT THE START OF THE PROJECT AT ONE MILE INTERVALS. SIGNS SHOULD ALSO BE INSTALLED WITHIN 150 FT. AFTER THE INTERSECTION OF A STATE ROUTE. ADDITIONAL SIGNS MAY BE INSTALLED WITHIN 150 FT. AFTER OTHER INTERSECTIONS, AS DIRECTED BY ENGINEER.



4/25/2025
ROUTE Y STATE MO
DISTRICT NE SHEET NO. 3

MACON/RANDOLPH

JNEM0099

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

SUMMARY OF QUANTITIES SHEET

SHEET 1 OF 2



W020-1
2

BRIDGE
OR
RAMP

WORK
ZONE

G020-5aP
54

SPEED
LIMIT
60

R2-1
4



W020-5
5

CENTER LANE
OR
LEFT LANE



W020-6a
6

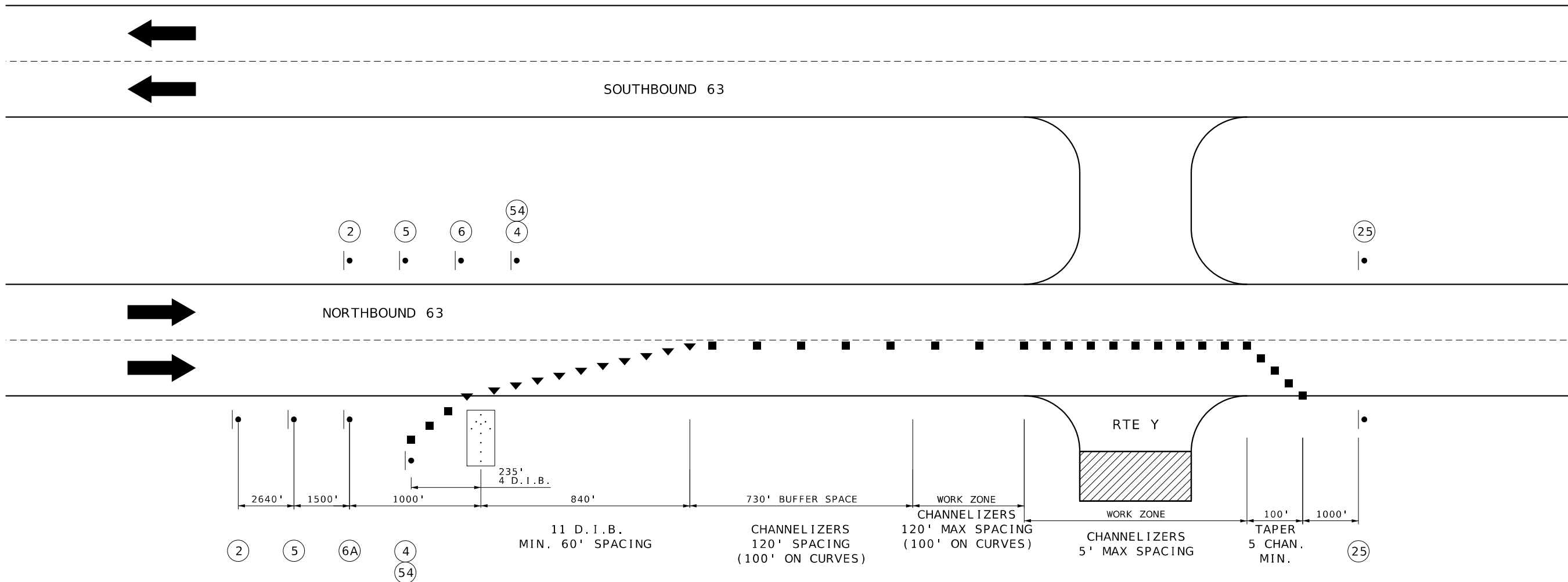
CENTER
OR
LEFT



W04-1aL
6A

SPEED
LIMIT
70

R2-1
25



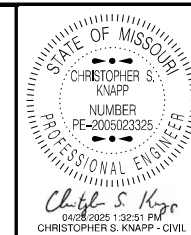
GENERAL NOTES

1. USE IN PLACE ALL SIGNS WHICH DO NOT CONFLICT WITH THIS PLAN. COVER OR REMOVE CONFLICTING SIGNS.

U.S. 63 TRAFFIC CONTROL

TRAFFIC CONTROL LEGEND

- ▼ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- SIGN
- ⋯ FLASHING ARROW PANEL



DATE PREPARED
4/25/2025

ROUTE Y STATE MO

DISTRICT NE SHEET NO. 4

COUNTY
MACON/RANDOLPH

JOB NO.
JNEM0099

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

TEMPORARY TRAFFIC CONTROL

LANE CLOSURE ON DIVIDED HIGHWAY

SHEET 1 OF 1

NOT TO SCALE