DESIGN DESIGNATION

A.A.D.T - 2022 = 2,231

V = 55 M.P.H

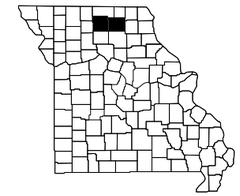
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

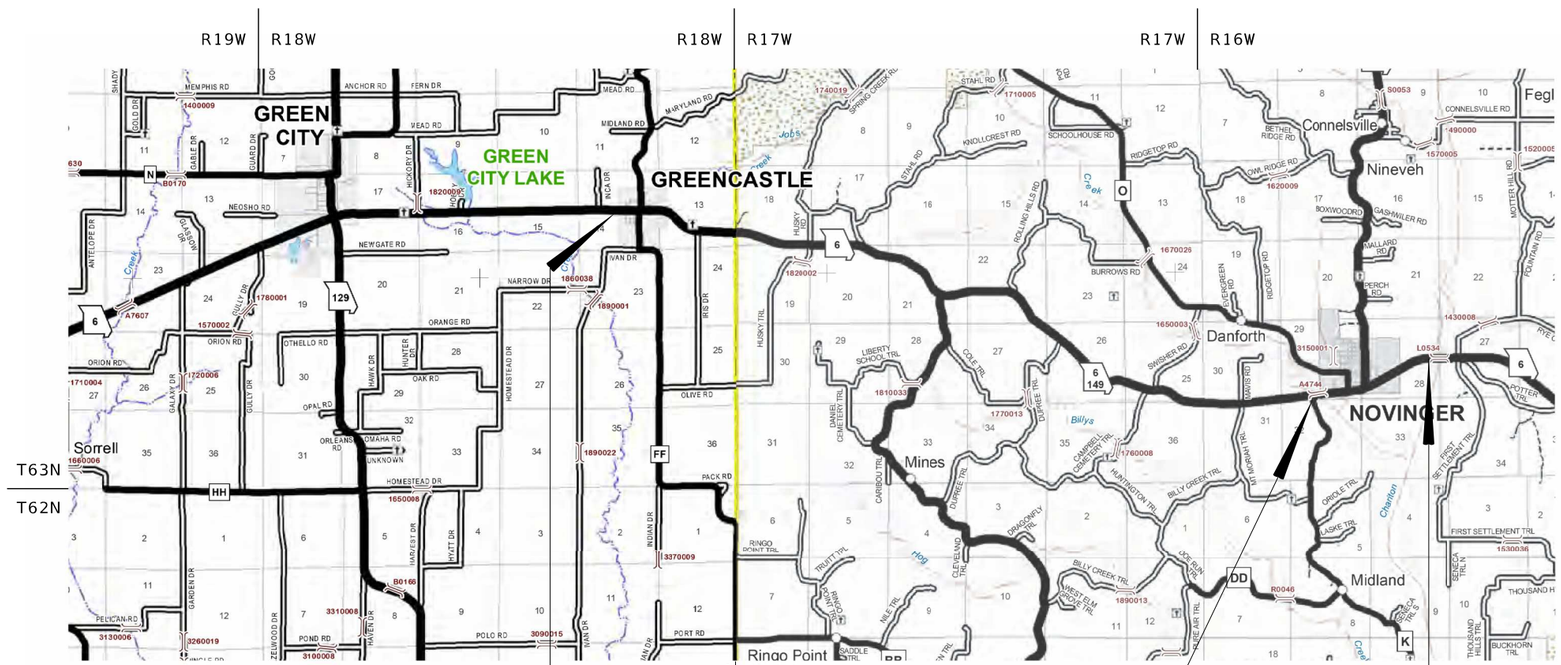
ADAIR AND SULLIVAN COUNTIES

T63N, R16W-R18W



KEY MAP

SHOWING LOCATION OF COUNTY



SULLIVAN CO.

ADAIR CO.

BEG OF PROJECT
LOG MILE 123.307

END OF PROJECT
LOG MILE 134.705

BRIDGE A4744 EXCEPTION
LM 133.095 TO LM 133.134

RTE 6
SEAL COAT GRADE A2

1 ½ 0 1 2 3 4

SCALE IN MILES

INDEX OF SHEETS

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

LENGTH OF PROJECT

RTE 6

BEGIN OF PROJECT	LOG MILE 123.307
END OF PROJECT	LOG MILE 134.705
APPARENT LENGTH	MILES 11.398

EQUATIONS AND EXCEPTIONS:

BRIDGE A4744	0.039 MILES
TOTAL CORRECTIONS	0.039 MILES
NET LENGTH OF PROJECT	11.359 MILES
STATE LENGTH	11.359 MILES

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER PE-2009001137
PROFESSIONAL ENGINEER

Brian Untiedt
06/28/2024 12:36:32 PM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED	6/28/2024
ROUTE	6
STATE	MO
DISTRICT	NE
SHEET NO.	1
COUNTY	ADAIR/SULLIVAN
JOB NO.	JNE0044
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

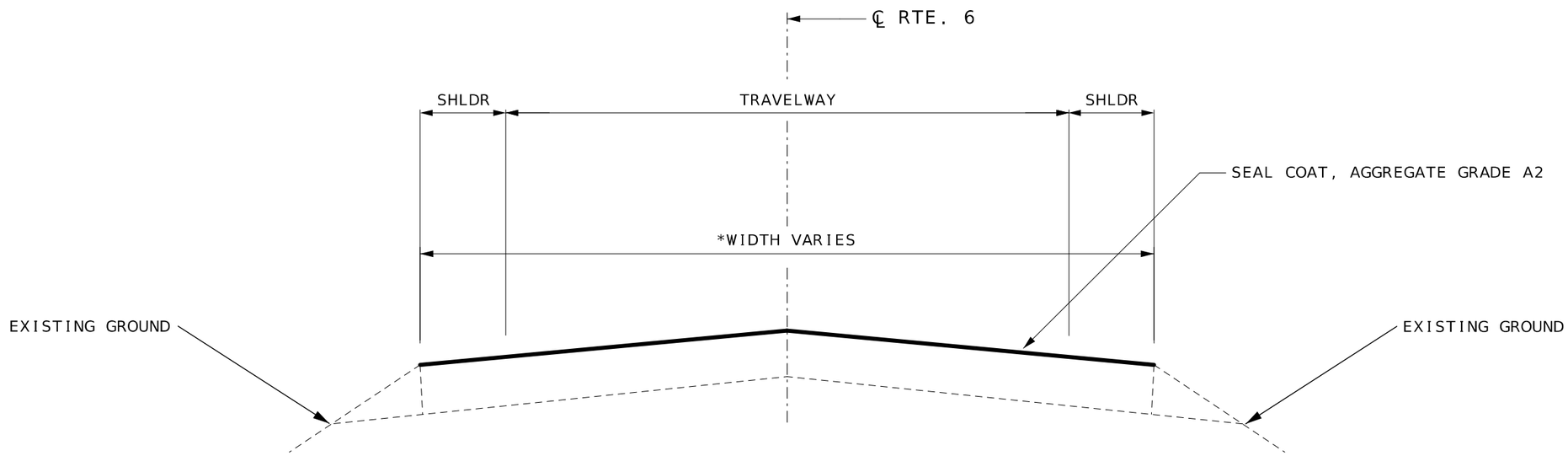
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TITLE SHEET



TYPICAL SECTION

*LOG MILE 123.307 TO LOG MILE 124.876 - 26'
*LOG MILE 124.876 TO LOG MILE 132.810 - 26'
*LOG MILE 132.810 TO LOG MILE 133.095 - 46'†
*LOG MILE 133.134 TO LOG MILE 133.639 - 46'
*LOG MILE 133.639 TO LOG MILE 134.705 - 34

†EXCEPTIONS:
BR #A4744 LOG MILE 133.095 TO LOG MILE 133.134

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

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER
06/28/2024 12:36:57 PM
BRIAN.UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED	
6/28/2024	
ROUTE: 6	STATE: MO
DISTRICT: NE	SHEET NO.: 2
COUNTY: ADAIR/SULLIVAN	
JOB NO.: JNE0044	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

TYPICAL SECTION
SHEET 1 OF 1

SEAL COAT QUANTITIES

LOG MILE	LOG MILE	LOCATION	LENGTH (MI)	WIDTH (FT)	SEAL COAT AGGREGATE, GRADE A2 (SY)	EMULSIFIED ASPHALT, SEAL COAT (GAL)	REMARKS
123.307	132.810	RTE 6	9.503	26	144,952.40	40,586.70	SULLIVAN COUNTY LINE
132.810	133.095	RTE 6	0.285	46	7,691.20	2,153.50	
133.095	133.134	RTE 6	0.039		-	-	BRIDGE A4744 EXCEPTION
133.134	133.639	RTE 6	0.505	46	13,628.30	3,815.90	
133.639	134.705	RTE 6	1.066	34	21,263.10	5,953.70	END PROJECT
				TOTAL	187,535.0	52,509.8	
				USE	187,535	52,510	

FACTOR USED FOR EMULSIFIED ASPHALT = 0.28 GALLONS/S.Y.

CHANGEABLE MESSAGE BOARD

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

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

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 16 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	16	256.00	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	30	270.00	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 - 10 TOTAL						
2	W020-1	48 X 48	16.00	10	160.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	10	160.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	10	160.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	10	15.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 4 TOTAL						
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	4	64.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	4	35.00	PILOT CAR IN USE WAIT & FOLLOW
				TOTAL	1554.26	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM

REFER TO STD. PLANS 616.10 FOR TEMPORARY TRAFFIC CONTROL PLANS
REFER TO STD. PLAN 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

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.

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

PLURAL COMPONENT LIQUID PAVEMENT MARKING

LOG MILE	LOCATION	30" WHITE MIDBLOCK (EA)	REMARKS
123.567	RTE 6	6	CROSSWALK
	TOTAL	6	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
BRIAN UNTEDT
NUMBER PE-2009001137
PROFESSIONAL ENGINEER
06/28/2024 12:37:17 PM
BRIAN UNTEDT - CIVIL
MO-PE-2009001137

DATE PREPARED 6/28/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	3

COUNTY ADAIR/SULLIVAN
JOB NO. JNE0044
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)

SUMMARY OF QUANTITIES
SHEET 1 OF 2

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	HIGH BUILD WATERBORNE PAINT, TYPE L BEADS: 4" YELLOW INTERMITTENT CENTERLINE (LF)	4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	6" WHITE SOLID EDGELINE (LF)	REMARKS
123.307	123.311	RTE 6			42		
123.311	123.443	RTE 6		871			EB INTERMITTENT WB SOLID
123.443	123.768	RTE 6	429				
123.768	123.849	RTE 6		535			EB SOLID WB INTERMITTENT
123.849	124.324	RTE 6			5016		
124.324	124.476	RTE 6		1003			EB INTERMITTENT WB SOLID
124.476	124.656	RTE 6	238				
124.656	124.844	RTE 6		1241			EB SOLID WB INTERMITTENT
124.844	125.474	RTE 6			6653		
125.474	125.649	RTE 6		1155			EB INTERMITTENT WB SOLID
125.649	125.759	RTE 6	145				
125.759	125.938	RTE 6		1181			EB SOLID WB INTERMITTENT
125.938	125.971	RTE 6			348		
125.971	126.112	RTE 6		931			EB INTERMITTENT WB SOLID
126.112	126.145	RTE 6			348		
126.145	126.291	RTE 6		964			EB SOLID WB INTERMITTENT
126.291	126.758	RTE 6			4932		
126.758	126.846	RTE 6		581			EB INTERMITTENT WB SOLID
126.846	126.894	RTE 6			507		
126.894	127.022	RTE 6		845			EB SOLID WB INTERMITTENT
127.022	131.555	RTE 6			47868		
131.555	131.742	RTE 6		1234			EB INTERMITTENT WB SOLID
131.742	131.933	RTE 6	252				
131.933	132.102	RTE 6		1115			EB SOLID WB INTERMITTENT
132.102	132.288	RTE 6			1964		
132.288	132.393	RTE 6		693			EB INTERMITTENT WB SOLID
132.393	132.471	RTE 6			824		
132.471	132.577	RTE 6		700			EB SOLID WB INTERMITTENT
132.577	132.607	RTE 6			317		
132.607	132.754	RTE 6		970			EB INTERMITTENT WB SOLID
132.754	133.482	RTE 6			7688		
133.482	133.634	RTE 6		1003			EB SOLID WB INTERMITTENT
133.634	133.763	RTE 6			1362		
133.763	133.884	RTE 6		799			EB INTERMITTENT WB SOLID
133.884	134.297	RTE 6	545				
134.297	134.431	RTE 6		884			EB SOLID WB INTERMITTENT
134.431	134.597	RTE 6			1753		
134.597	134.705	RTE 6		713			EB INTERMITTENT WB SOLID
123.307	134.705	RTE 6				120,363	
		RTE 6				5488.0	TOWN EDGELINE EXCEPTIONS
		SUBTOTAL	1,609	17,418	79,622	114,875	
		TOTAL		98,649		114,875	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER

06/28/2024 12:37:42 PM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/28/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
ADAIR/SULLIVAN

JOB NO.
JNE0044

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)

SUMMARY OF QUANTITIES
SHEET 2 OF 2

DESIGN DESIGNATION

A.A.D.T - 2022 = 4,315

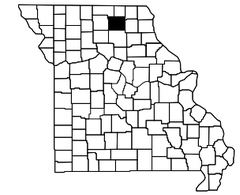
V = 60 M.P.H

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

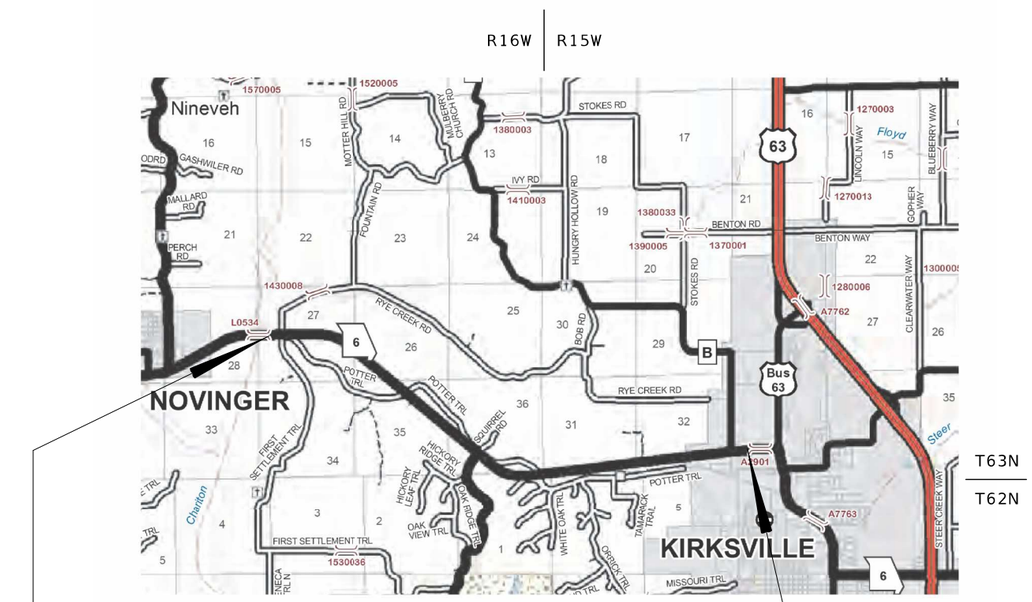
PLANS FOR PROPOSED STATE HIGHWAY

ADAIR COUNTY

T63N-T62N, R16W-R15W



KEY MAP
SHOWING LOCATION OF COUNTY



BEG OF PROJECT
LOG MILE 134.799

END OF PROJECT
LOG MILE 140.573

RTE 6
SEAL COAT GRADE A2

SCALE IN MILES

INDEX OF SHEETS

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

LENGTH OF PROJECT

RTE 6

BEGIN OF PROJECT	LOG MILE	134.799
END OF PROJECT	LOG MILE	140.573
APPARENT LENGTH	MILES	5.774

EQUATIONS AND EXCEPTIONS:

NONE	0.000 MILES
TOTAL CORRECTIONS	0.000 MILES
NET LENGTH OF PROJECT	5.774 MILES
STATE LENGTH	5.774 MILES

STATE OF MISSOURI
BRIAN UNTEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER

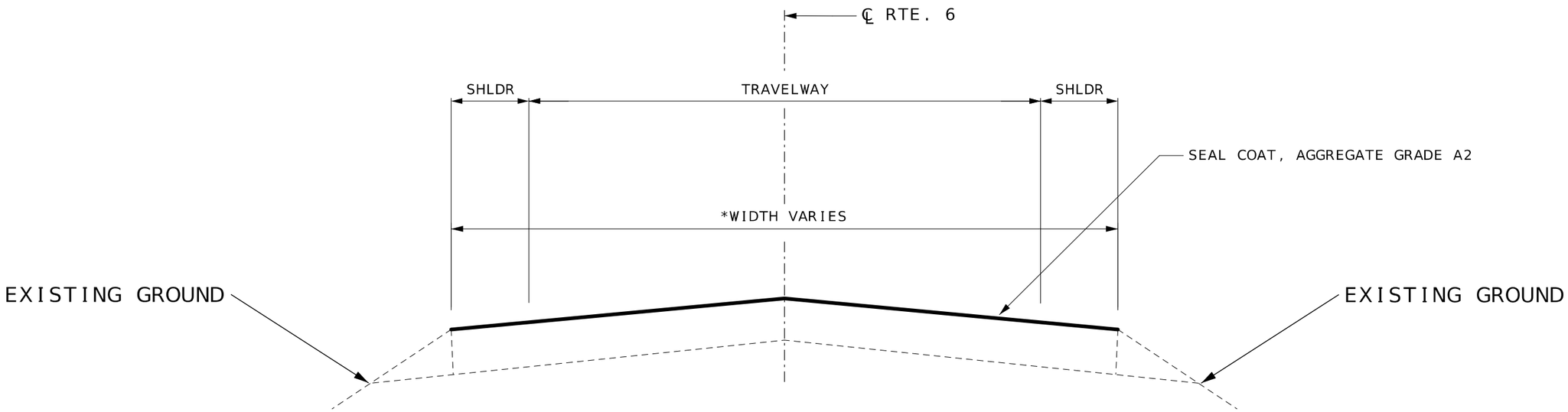
Brian Untedt
06/28/2024 11:22:19 AM
BRIAN UNTEDT - CIVIL
MO-PE-2009001137

DATE PREPARED	6/26/2024
ROUTE	6
STATE	MO
DISTRICT	NE
SHEET NO.	1
COUNTY	ADAIR
JOB NO.	JNE0045
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)

TITLE SHEET



TYPICAL SECTION

*LOG MILE 134.799 TO LOG MILE 140.150 - 36'
*LOG MILE 140.150 TO LOG MILE 140.212 - VARIES FROM 36'- 60'
*LOG MILE 140.212 TO LOG MILE 140.243 - 60'
*LOG MILE 140.243 TO LOG MILE 140.304 - 55'
*LOG MILE 140.304 TO LOG MILE 140.334 - 60'
*LOG MILE 140.334 TO LOG MILE 140.386 - VARIES FROM 60' - 36'
*LOG MILE 140.386 TO LOG MILE 140.573 - 36'

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

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER
06/26/2024 11:23:04 AM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/26/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	2

COUNTY
ADAIR

JOB NO.
JNE0045

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTION SHEET
SHEET 1 OF 1

SEAL COAT QUANTITIES

LOG MILE	LOG MILE	LOCATION	LENGTH (MI)	WIDTH (FT)	SEAL COAT AGGREGATE, GRADE A2 (SY)	EMULSIFIED ASPHALT, SEAL COAT (GAL)	REMARKS
134.799	140.150	RTE 6	5.351	36	113,013.10	31,643.70	START PROJECT
140.150	140.212	RTE 6	0.062	36-60	1,745.90	488.90	TAPER
140.212	140.243	RTE 6	0.031	60	1,091.20	305.50	
140.243	140.304	RTE 6	0.061	55	1,503.00	420.80	
140.304	140.334	RTE 6	0.030	60	1,056.00	295.70	
140.334	140.386	RTE 6	0.05	60-36	1,408.00	394.20	TAPER
140.386	140.573	RTE 6	0.19	36	5,350.40	1,498.10	PROJECT END
		INDUSTRIAL RD	VARIES	VARIES	1,361.02	381.10	COAT 135 LF FROM CENTERLINE OF RTE 6 NB ON INDUSTRIAL RD (ISLANDS EXEMPT)
		INDUSTRIAL RD	VARIES	VARIES	2,434.17	681.60	COAT 340 LF FROM CENTERLINE OF RTE 6 SB ON INDUSTRIAL RD (ISLANDS EXEMPT)
				TOTAL	118,409.2	36,109.6	
				USE	118,410	36,110	

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 6 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	6	96.00	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	12	108.00	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 - 9 TOTAL						
2	W020-1	48 X 48	16.00	9	144.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	9	144.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	9	144.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	9	13.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 2 TOTAL						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	2	32.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	2	32.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	2	17.50	PILOT CAR IN USE WAIT & FOLLOW
				TOTAL	1069.26	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM

REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS
REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

MOBILIZATION

1 LUMP SUM

W08-7a

57

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.

PLURAL COMPONENT LIQUID PAVEMENT MARKING

LOG MILE	LOG MILE	LOCATION	24" WHITE (LF)	24" YELLOW (LF)	LEFT/RIGHT ARROW (EACH)	REMARKS
140.159	140.212	RTE 6	-	34	-	MEDIAN HASH BARS
140.233	-	RTE 6	-	-	1	LEFT ARROW
140.253	-	RTE 6	-	-	1	LEFT ARROW
140.265	-	RTE 6	14	-	-	STOP BAR
140.268	-	RTE 6	14	-	-	STOP BAR
140.279	-	RTE 6	14	-	-	STOP BAR
140.282	-	RTE 6	14	-	-	STOP BAR
140.294	-	RTE 6	-	-	1	LEFT ARROW
140.318	-	RTE 6	-	-	1	LEFT ARROW
140.333	140.386	RTE 6	-	41	-	MEDIAN HASH BARS
		TOTAL	56	75	4	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER PE-2009001137
PROFESSIONAL ENGINEER

Brian Untiedt
06/28/2024 11:23:47 AM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/26/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
ADAIR

JOB NO.
JNE0045

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES
SHEET 1 OF 2

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	HIGH BUILD WATERBORNE PAINT, TYPE L BEADS: 4" YELLOW INTERMITTENT CENTERLINE (LF)	4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	6" WHITE SOLID EDGELINE (LF)	REMARKS
134.799	135.317	RTE 6	690				EBL INTERMITTENT AND WBL SOLID
135.317	135.485	RTE 6		1,109			EBL SOLID WBL INTERMITTENT
135.485	135.639	RTE 6			1,626		
135.639	135.816	RTE 6		1,168			EBL INTERMITTENT AND WBL SOLID
135.816	136.218	RTE 6	540				
136.218	136.410	RTE 6		1,267			EBL SOLID WBL INTERMITTENT
136.410	136.598	RTE 6			1,985		
136.598	136.778	RTE 6		1,188			EBL INTERMITTENT AND WBL SOLID
136.778	137.311	RTE 6	710				
137.311	137.488	RTE 6		1,168			EBL SOLID WBL INTERMITTENT
137.488	137.531	RTE 6			454		
137.531	137.650	RTE 6		785			EBL INTERMITTENT AND WBL SOLID
137.650	137.721	RTE 6			750		
137.721	137.829	RTE 6		713			EBL SOLID WBL INTERMITTENT
137.829	137.987	RTE 6			1,668		
137.987	138.177	RTE 6		1,254			EBL INTERMITTENT AND WBL SOLID
138.177	138.542	RTE 6	490				
138.542	138.734	RTE 6		1,267			EBL SOLID WBL INTERMITTENT
138.734	138.950	RTE 6		1,426			EBL INTERMITTENT AND WBL SOLID
138.950	140.116	RTE 6	1,540				
140.116	140.262	RTE 6			1,542		
140.159	140.212	RTE 6			560		EBL DBL SOLID TAPER CL
140.262	140.282	RTE 6					INTERSECTION
140.282	140.574	RTE 6			3,084		END OF PROJECT
140.334	140.386	RTE 6			549		WBL DBL SOLID TAPER CL
		RTE 6				185	NB TURN LANE SOLID WHITE
		RTE 6				227	SB TURN LANE SOLID WHITE
		RTE 6				163	ISLAND EDGELINE STRIPING
		INDUSTRIAL RD			100	420	*NB INDUSTRIAL RD
		INDUSTRIAL RD			293	820	*SB INDUSTRIAL RD
134.799	140.574					62,799	EDGELINE TOTAL
		RTE 6				687	EDGELINE EXCEPTIONS
		SUBTOTAL	3,970	11,345	12,611	62,112	
		TOTAL		27,926		62,112	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

*NOTE: STRIPING TO BE INCLUDED NORTHBOUND AND SOUTHBOUND ON INDUSTRIAL RD. MATCHING THE EXTENT OF SEAL COATING.

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER

06/28/2024 11:24:06 AM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/26/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
ADAIR

JOB NO.
JNE0045

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES
SHEET 2 OF 2

DESIGN DESIGNATION

A.A.D.T - 2022 = 2,359

V = 55 M.P.H

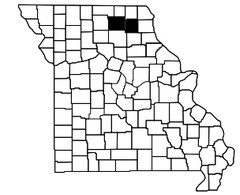
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

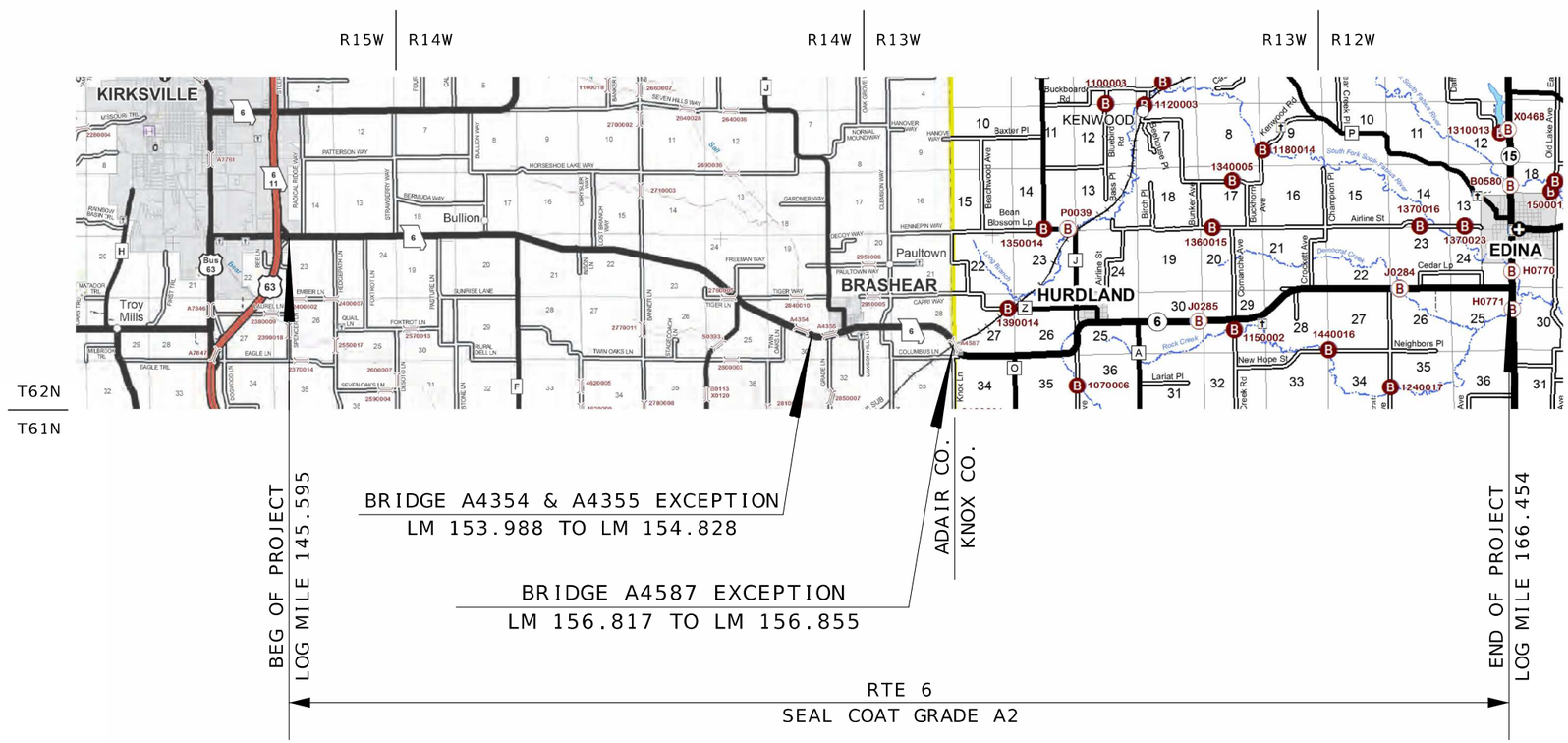
ADAIR AND KNOX COUNTIES

T62N, R15W-R12W



KEY MAP

SHOWING LOCATION OF COUNTY



1 ½ 0 1 2 3 4

SCALE IN MILES

INDEX OF SHEETS

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

LENGTH OF PROJECT

RTE 6

BEGIN OF PROJECT LOG MILE 145.595

END OF PROJECT LOG MILE 166.454

APPARENT LENGTH MILES 20.859

EQUATIONS AND EXCEPTIONS:

BRIDGE A4354 & A4355 0.840 MILES

BRIDGE A4587 0.038 MILES

TOTAL CORRECTIONS 0.878 MILES

NET LENGTH OF PROJECT 19.981 MILES

STATE LENGTH 19.981 MILES

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER PE-2009001137
PROFESSIONAL ENGINEER

07/12/2024 9:11:33 AM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED 7/12/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	1

COUNTY ADAIR/KNOX

JOB NO. JNE0046

CONTRACT ID.

PROJECT NO.

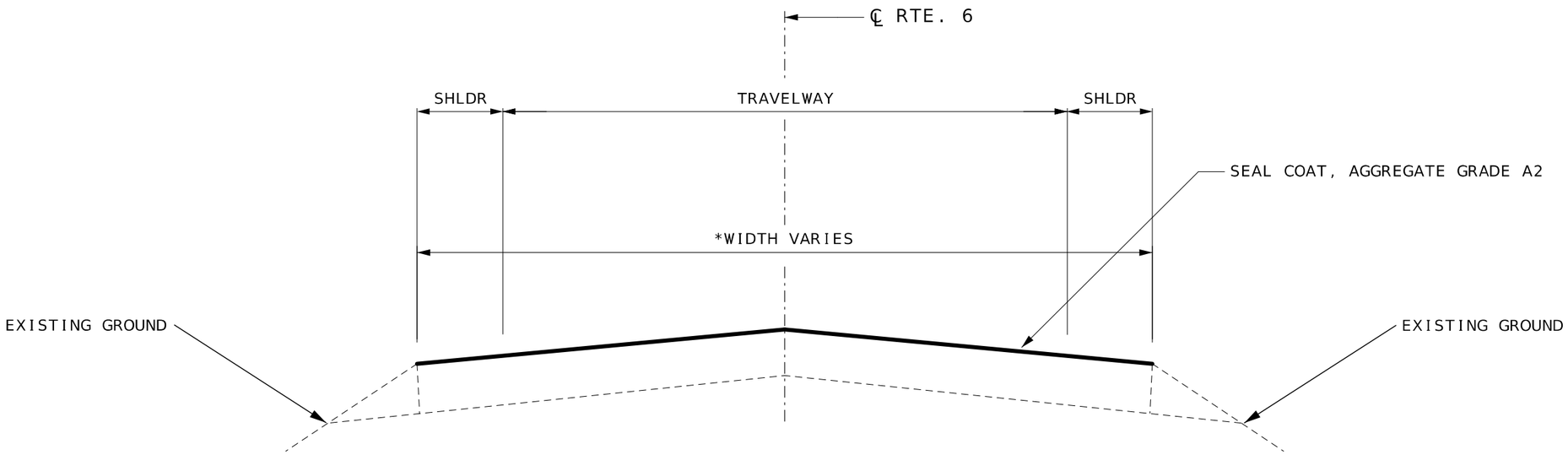
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TITLE SHEET



TYPICAL SECTION

*LOG MILE 145.595 TO LOG MILE 153.988 - 27'†
*LOG MILE 154.828 TO LOG MILE 154.880 - 25'
*LOG MILE 154.880 TO LOG MILE 154.930 - 30'
*LOG MILE 154.930 TO LOG MILE 155.040 - 27'
*LOG MILE 155.040 TO LOG MILE 155.126 - 28'
*LOG MILE 155.126 TO LOG MILE 156.477 - 25'
*LOG MILE 156.477 TO LOG MILE 156.817 - 43'†
*LOG MILE 156.855 TO LOG MILE 157.217 - 43'
*LOG MILE 157.217 TO LOG MILE 166.435 - 27'
*LOG MILE 166.435 TO LOG MILE 166.454 - VARIES

† EXCEPTIONS:
CONGRETE EXCEPTION - LOG MILE 153.988 TO LOG MILE 154.828
BRIDGE #A4587 EXCEPTION - LOG MILE 156.817 TO LOG MILE 156.855

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

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER PE-2009001137
PROFESSIONAL ENGINEER
06/28/2024 11:25:58 AM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/26/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	2

COUNTY
ADAIR/KNOX

JOB NO.
JNE0046

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTION
SHEET 1 OF 1

SEAL COAT QUANTITIES

LOG MILE	LOG MILE	LOCATION	LENGTH (MI)	WIDTH (FT)	SEAL COAT AGGREGATE, GRADE A2 (SY)	EMULSIFIED ASPHALT, SEAL COAT (GAL)	REMARKS
145.595	153.988	RTE 6	8.393	27	132,945.10	37,224.60	
153.988	154.828	RTE 6	0.840	-	-	-	CONCRETE EXCEPTION (BRIDGE A4354 & A4355)
154.828	154.880	RTE 6	0.052	25	762.70	213.60	
154.880	154.930	RTE 6	0.050	30	880.00	246.40	
154.930	155.040	RTE 6	0.110	27	1,742.40	487.90	
155.040	155.126	RTE 6	0.086	28	1,412.70	395.60	
155.126	156.477	RTE 6	1.351	25	19,814.70	5,548.10	
156.477	156.817	RTE 6	0.340	43	8,577.10	2,401.60	
156.817	156.855	RTE 6	0.038	-	-	-	CONCRETE EXCEPTION (BRIDGE A4587)
156.855	157.217	RTE 6	0.362	43	9,132.10	2,557.00	
157.217	166.435	RTE 6	9.218	27	146,013.10	40,883.70	END OF UNIFORM RTE WIDTH ON NORTH SPUR
166.435	166.454	RTE 6	0.019	VARIES	638.70	178.80	NORTH SPUR INTERSECTION RTE 6 & 15
		RTE 6	0.000	VARIES	1,025.60	287.20	SOUTH SPUR INTERSECTION RTE 6 & 15
				TOTAL	322,944.20	90,424.50	
				USE	322,945.00	90,430.00	

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 21 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	22	352.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16.00	RATE OUR WORK ZONE
57	W08-7a	36 X 36	9.00	44	396.00	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 - 10 TOTAL						
2	W020-1	48 X 48	16.00	10	160.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	10	160.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	10	160.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	10	15.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 6 TOTAL						
2	W020-1	48 X 48	16.00	6	96.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	6	96.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	6	96.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	6	52.50	PILOT CAR IN USE WAIT & FOLLOW
				TOTAL	1905.76	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM

REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS
REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

MOBILIZATION

1 LUMP SUM

W08-7a

57

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.

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER
06/26/2024 11:26:36 AM
BRIAN UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/26/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
ADAIR/KNOX

JOB NO.
JNE0046

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

SUMMARY OF QUANTITIES
SHEET 1 OF 3

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)	6" WHITE SOLID EDGELINE (LF)	
145.595	145.640	RTE 6			475		
145.640	145.826	RTE 6		1228			EB INTERM WB SOLID
145.826	145.951	RTE 6	170				
145.951	146.133	RTE 6		1201			EB SOLID WB INTERMITTENT
146.133	146.579	RTE 6			4710		
146.579	146.777	RTE 6		1307			EB INTERM WB SOLID
146.777	146.941	RTE 6		1082			EB SOLID WB INTERMITTENT
146.941	147.097	RTE 6			1647		
147.097	147.233	RTE 6		898			EB INTERM WB SOLID
147.233	147.403	RTE 6		1122			EB SOLID WB INTERMITTENT
147.403	147.523	RTE 6		792			EB INTERM WB SOLID
147.523	147.565	RTE 6			444		
147.565	147.686	RTE 6		799			EB SOLID WB INTERMITTENT
147.686	147.796	RTE 6			726		
147.796	147.945	RTE 6		983			EB INTERM WB SOLID
147.945	148.084	RTE 6		917			EB SOLID WB INTERMITTENT
148.084	148.123	RTE 6	60				
148.123	148.266	RTE 6		944			EB INTERM WB SOLID
148.266	148.565	RTE 6	400				
148.565	148.734	RTE 6		1115			EB SOLID WB INTERMITTENT
148.734	148.883	RTE 6		983			EB INTERM WB SOLID
148.883	149.063	RTE 6		1188			EB SOLID WB INTERMITTENT
149.063	149.257	RTE 6			1280		
149.257	149.350	RTE 6		614			EB INTERM WB SOLID
149.350	149.405	RTE 6			363		
149.405	149.528	RTE 6		812			EB SOLID WB INTERMITTENT
149.528	149.666	RTE 6		911			EB INTERM WB SOLID
149.666	149.811	RTE 6		957			EB SOLID WB INTERMITTENT
149.811	150.012	RTE 6			1327		
150.012	150.099	RTE 6		574			EB INTERM WB SOLID
150.099	150.170	RTE 6			469		
150.170	150.279	RTE 6		719			EB SOLID WB INTERMITTENT
150.279	150.414	RTE 6		891			EB INTERM WB SOLID
150.414	150.534	RTE 6		792			EB SOLID WB INTERMITTENT
150.534	150.690	RTE 6		1030			EB INTERM WB SOLID
150.690	150.876	RTE 6		1228			EB SOLID WB INTERMITTENT
150.876	150.986	RTE 6		726			EB INTERM WB SOLID
150.986	151.059	RTE 6			482		
151.059	151.145	RTE 6		568			EB SOLID WB INTERMITTENT
151.145	151.300	RTE 6		1023			EB INTERM WB SOLID
151.300	151.443	RTE 6		944			EB SOLID WB INTERMITTENT
151.443	151.515	RTE 6			475		
151.515	151.679	RTE 6		1082			EB INTERM WB SOLID
151.679	151.742	RTE 6	90				
151.742	151.897	RTE 6		1023			EB SOLID WB INTERMITTENT
151.897	151.962	RTE 6		429			EB INTERM WB SOLID
151.962	152.037	RTE 6			495		
152.037	152.148	RTE 6		733			EB SOLID WB INTERMITTENT
152.148	152.369	RTE 6			1459		
152.369	152.530	RTE 6		1063			EB INTERM WB SOLID
152.530	152.587	RTE 6	80				
152.587	152.712	RTE 6		825			EB SOLID WB INTERMITTENT
152.712	152.739	RTE 6	40				
152.739	152.865	RTE 6		832			EB INTERM WB SOLID
152.865	153.015	RTE 6		990			EB SOLID WB INTERMITTENT
153.015	153.387	RTE 6			2455		
153.387	153.562	RTE 6		1155			EB INTERM WB SOLID
153.562	154.714	RTE 6	1,530				
154.714	154.920	RTE 6		1360			EB SOLID WB INTERMITTENT
154.920	155.092	RTE 6			1135		
155.092	155.164	RTE 6		475			EB INTERM WB SOLID
145.595	155.164	RTE 6	2,370	36,315	17,942		
		SUBTOTAL 1		56,627			

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER

Brian Untiedt
06/26/2024 11:27:00 AM
BRIAN.UNTIEDT - CIVIL
MO-PE-2009001137

DATE PREPARED
6/26/2024

ROUTE	STATE
6	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
ADAIR/KNOX

JOB NO.
JNE0046

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)

SUMMARY OF QUANTITIES
SHEET 2 OF 3

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)	6" WHITE SOLID EDGELINE (LF)	
155.164	155.260	RTE 6			634		
155.260	155.355	RTE 6		627			EB SOLID WB INTERMITTENT
155.355	155.437	RTE 6		541			EB INTERM WB SOLID
155.437	155.514	RTE 6			508		
155.514	155.604	RTE 6		594			EB SOLID WB INTERMITTENT
155.604	155.679	RTE 6		495			EB INTERM WB SOLID
155.679	155.756	RTE 6			508		
155.756	155.847	RTE 6		601			EB SOLID WB INTERMITTENT
155.847	156.058	RTE 6		1393			EB INTERM WB SOLID
156.058	156.275	RTE 6		1432			EB SOLID WB INTERMITTENT
156.275	157.209	RTE 6			6164		
157.209	157.358	RTE 6		983			EB INTERM WB SOLID
157.358	157.392	RTE 6			224		
157.392	157.498	RTE 6		700			EB SOLID WB INTERMITTENT
157.498	157.657	RTE 6		1049			EB INTERM WB SOLID
157.657	157.874	RTE 6	290				
157.874	157.960	RTE 6		568			EB INTERM WB SOLID
157.960	158.409	RTE 6	600				
158.409	158.574	RTE 6		1089			EB SOLID WB INTERMITTENT
158.574	159.428	RTE 6			5636		
159.428	159.624	RTE 6		1294			EB INTERM WB SOLID
159.624	160.418	RTE 6	1,050				
160.418	160.577	RTE 6		1049			EB SOLID WB INTERMITTENT
160.577	160.768	RTE 6			1261		
160.768	161.014	RTE 6		1624			EB INTERM WB SOLID
161.014	161.272	RTE 6	350				
161.272	161.432	RTE 6		1056			EB SOLID WB INTERMITTENT
161.432	161.465	RTE 6			218		
161.465	161.676	RTE 6		1393			EB INTERM WB SOLID
161.676	161.851	RTE 6		1155			EB SOLID WB INTERMITTENT
161.851	162.478	RTE 6			4138		
162.478	162.617	RTE 6		917			EB INTERM WB SOLID
162.617	162.724	RTE 6		706			EB SOLID WB INTERMITTENT
162.724	163.005	RTE 6			1855		
163.005	163.164	RTE 6		1049			EB INTERM WB SOLID
163.164	163.285	RTE 6		799			EB SOLID WB INTERMITTENT
163.285	163.428	RTE 6			944		
163.428	163.607	RTE 6		1181			EB INTERM WB SOLID
163.607	163.786	RTE 6	240				
163.786	163.952	RTE 6		1096			EB SOLID WB INTERMITTENT
163.952	164.231	RTE 6			1841		
164.231	164.425	RTE 6		1280			EB INTERM WB SOLID
164.425	164.710	RTE 6	380				
164.710	164.859	RTE 6		983			EB SOLID WB INTERMITTENT
164.859	164.881	RTE 6			145		
164.881	165.038	RTE 6		1036			EB INTERM WB SOLID
165.038	165.053	RTE 6			99		
165.053	165.171	RTE 6		779			EB SOLID WB INTERMITTENT
165.171	165.329	RTE 6		1043			EB INTERM WB SOLID
165.329	165.448	RTE 6		785			EB SOLID WB INTERMITTENT
165.448	165.683	RTE 6		1551			EB INTERM WB SOLID
165.683	166.182	RTE 6	660				
166.182	166.345	RTE 6		1076			EB SOLID WB INTERMITTENT
166.345	166.435	RTE 6			594		END UNIFORM ROAD WIDTHS
166.435	166.454	RTE 6			100	187	NORTH INTERSECTION SPUR (PROJECT END)
		RTE 6			210	522	SOUTH INTERSECTION SPUR (PROJECT END)
145.595	166.434	RTE 6				220,769	
		RTE 6				890	EDGELINE EXCEPTIONS
		SUBTOTAL 2	3,570	31,924	25,079	219,879	
		SUBTOTAL 1	2,370	36,315	17,942		FROM QUANTITY SHEET 2
		TOTAL		117,200		219,879	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
BRIAN UNTIEDT
NUMBER
PE-2009001137
PROFESSIONAL ENGINEER

06/28/2024 11:27:27 AM
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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)

SUMMARY OF QUANTITIES
SHEET 3 OF 3