

A triangle with the number 1 inside.A triangle with the number 1 inside.

05/09/2025 12:35:09 PM
 Brian D. Kierath Jr. - Civil
 MO PE-2023008624

PROJECT NO.

DATE	DESCRIPTION
5/9/2025	A PAVEMENT MARKING REMOVAL ADDED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 00005

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

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

REV.

REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN					
SHEET NO.	ROADWAY	STATION	LOCATION	REMOVE AND RELOCATING EXISTING GROUND MOUNT SIGN (EA)	REMARKS
9	EB RTE 100	1421+96.66	LT	1	
10	EB RTE 100	1423+28.81	LT	1	
11	EB RTE 100	1431+96.50	LT	2	
11	EB RTE 100	1432+72.92	LT	1	
12	EB RTE 100	1433+44.16	LT	2	
12	EB RTE 100	1434+37.51	LT	1	
13	EB RTE 100	1437+83.74	RT	1	
13	EB RTE 100	1438+51.69	LT	1	
13	EB RTE 100	1439+23.94	LT	1	
13	EB RTE 100	1439+60.18	RT	1	
13	EB RTE 100	1440+26.69	RT	1	
13	EB RTE 100	1440+39.21	LT	1	
13	EB RTE 100	1441+12.15	LT	1	
13	EB RTE 100	1441+79.45	RT	1	
14	EB RTE 100	1445+76.25	LT	1	
14	EB RTE 100	1447+36.12	RT	1	
15	EB RTE 100	1448+24.77	RT	1	
15	EB RTE 100	1449+22.12	RT	1	
15	EB RTE 100	1449+39.79	LT	1	
15	EB RTE 100	1450+43.20	LT	1	
15	EB RTE 100	1450+94.50	LT	1	
15	EB RTE 100	1451+35.26	RT	1	
15	EB RTE 100	1451+38.55	LT	1	
16	EB RTE 100	1456+82.78	LT	1	
16	EB RTE 100	1457+90.10	LT	1	
17	EB RTE 100	1458+92.39	LT	1	
17	EB RTE 100	1459+82.27	LT	1	
17	EB RTE 100	1460+02.24	LT	1	
20	EB RTE 100	1475+00.79	RT	1	
22	EB RTE 100	1481+79.95	LT	1	
23	RTE 100	1485+98.23	LT	1	
23	RTE 100	1488+37.16	RT	1	
24	RTE 100	1491+87.89	LT	1	
24	RTE 100	1492+88.62	LT	1	
24	RTE 100	1493+33.86	LT	1	
24	RTE 100	1493+40.07	LT	1	
24	RTE 100	1493+40.84	LT	1	
24	RTE 100	1494+14.94	LT	1	
25	RTE 100	1495+27.00	LT	5	
25	RTE 100	1499+03.78	LT	1	
26	RTE 100	1502+56.05	LT	1	
26	RTE 100	1503+33.14	LT	1	
26	RTE 100	1503+83.08	LT	1	
28	RTE 100	1514+71.50	LT	1	
29	RTE 100	1516+85.59	LT	1	
29	RTE 100	1517+95.03	LT	1	
31	RTE 100	1523+36.16	LT	1	
31	RTE 100	1524+15.42	LT	1	
31	RTE 100	1525+27.91	LT	1	
31	RTE 100	1525+59.22	LT	1	
31	RTE 100	1527+41.17	LT	1	
34	RTE 100	1538+46.55	RT	1	
34	RTE 100	1540+01.85	LT	1	
34	RTE 100	1540+33.60	RT	1	
35	RTE 100	1541+11.19	LT	1	
35	RTE 100	1543+01.49	LT	1	
36	RTE 100	1546+57.68	LT	1	
37	RTE 100	1552+09.71	LT	1	
37	RTE 100	1555+20.60	RT	1	
40	RTE 100	1569+41.20	RT	1	
42	RTE 100	1578+01.36	LT	1	
43	RTE 100	1582+51.74	LT	1	
43	RTE 100	1582+98.74	LT	1	
43	RTE 100	1585+09.43	LT	1	REMOVE AND REPLACE IN SAME SPOT
43	RTE 100	1585+44.80	LT	1	REMOVE AND REPLACE IN SAME SPOT
			SUBTOTAL	69	
			PROJECT TOTAL	69	

RETAINING WALL							
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	MECHANICALLY STABILIZED EARTH WALL SYSTEMS (SF)	TRAFFIC BARRIER TYPE C (RETAINING WALL) (LF)	REMARKS
39	RTE 100	1584+86.01	1585+68.33	LT	-	84.00	
40	RTE 100	1587+00.33	1587+67.66	RT	357.00	-	
SUBTOTAL					357.00	84.00	
PROJECT TOTAL					357	84	

OPTIONAL PAVEMENT						
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	OPTIONAL PAVEMENT (SQYD)	REMARKS
55-56	WB RTE 100	1454+62.90	1456+35.60	RT	169.41	RIGHT TURN LANE
143	RTE 100	1492+30.00	1495+05.00	RT	89.30	A9276 PHASE 1 WIDENING
144	RTE 100	1492+28.18	1492+91.83	LT	16.54	A9276 PHASE 2 WIDENING
145	RTE 100	1525+56.42	1530+23.00	RT	397.60	A9277 PHASE 1 WIDENING
146	RTE 100	1523+81.93	1524+16.21	LT	6.53	A9277 PHASE 2 WIDENING
146	RTE 100	1524+61.96	1527+42.75	LT	299.26	A9277 PHASE 2 WIDENING
146	RTE 100	1528+09.62	1528+61.48	LT	43.55	A9277 PHASE 2 WIDENING
146	RTE 100	1429+01.93	1529+22.21	LT	7.81	A9277 PHASE 2 WIDENING
SUBTOTAL					1,034.76	
PROJECT TOTAL					1,034.8	

TEMPORARY EROSION CONTROL (4 OF 4)										
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	SILT FENCE (LF)	ALTERNATE DITCH CHECK (LF)	ROCK DITCH CHECK (LF)	CURB INLET CHECK (EA)	SEDIMENT REMOVAL (CUYD)	REMARKS
43	RTE 100	1582+09.00	-	RT	-	-	-	1	1.0	
43	RTE 100	1582+15.00	1582+95.00	LT	98	-	-	-	1.0	
43	RTE 100	1582+99.00	-	LT	-	-	-	1	1.0	
43	RTE 100	1583+56.00	1584+52.00	LT	119	-	-	-	1.2	
43	RTE 100	1584+86.00	1584+91.00	LT	13	-	-	-	0.1	
43	RTE 100	1584+95.00	-	RT	-	-	-	1	1.0	
43	RTE 100	1585+65.00	1585+69.00	LT	4	-	-	-	0.0	
43 44	RTE 100	1585+93.00	1587+00.00	LT	143	-	-	-	1.4	
44	RTE 100	1587+56.00	-	LT	-	-	-	1	1.0	
44	RTE 100	1587+47.00	1587+81.00	RT	99	-	-	-	1.0	
44	RTE 100	1587+63.00	-	RT	-	-	-	1	1.0	
44	RTE 100	1587+62.00	-	RT	-	-	-	1	1.0	
44	RTE 100	1588+87.00	-	RT	-	-	-	1	1.0	
44	RTE 100	1589+32.00	-	RT	-	-	-	1	1.0	
44	RTE 100	1589+38.00	-	LT	-	-	-	1	1.0	
44	RTE 100	1590+15.00	-	RT	-	-	-	1	1.0	
44	RTE 100	1590+36.00	-	LT	-	-	-	1	1.0	
45	RTE 100	1591+32.00	1592+07.00	LT	83	-	-	-	0.8	
45	RTE 100	1591+41.00	-	LT	-	-	-	1	1.0	
45	RTE 100	1591+49.00	-	RT	-	-	-	1	1.0	
45	RTE 100	1591+71.00	-	RT	-	-	-	1	1.0	
45	RTE 100	1591+82.00	-	LT	-	-	-	1	1.0	
45	RTE 100	1582+64.00	-	RT	-	-	-	1	1.0	
55 56	WB ROUTE 100	1454+62.90	1456+34.96	RT	90	-	1	-	1.9	
SUBTOTAL 4					649	0	1	16	23.5	
SUBTOTAL 1					5,510	0	0	28	83.1	
SUBTOTAL 2					5,863	0	0	32	90.5	
SUBTOTAL 3					2,778	62	11	47	147.8	
PROJECT TOTAL					14,800	62	12	123	345	

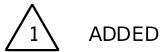
MOBILIZATION	
TOTAL	1 LUMP SUM

MODOT ITS ASSETS RELOCATION	
TOTAL	1,000 LF

CONTRACTOR FURNISHED SURVEYING AND STAKING	
TOTAL	1 LUMP SUM

TEMPORARY SHORING FOR UTILITIES	
TOTAL	1 LUMP SUM

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BRIAN D.
 KIERATH JR.
 NUMBER
 PE-2023008624

Brian Kierath
 05/09/2025 12:35:09 PM
 Brian D. Kierath Jr. - Civil
 MO PE-2023008624

DATE PREPARED	
5/9/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	3
COUNTY	
ST. LOUIS	
JOB NO.	
J6P3274	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION
5/9/2025	Δ BID ITEM ADDED



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

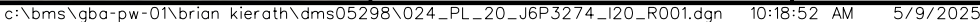
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

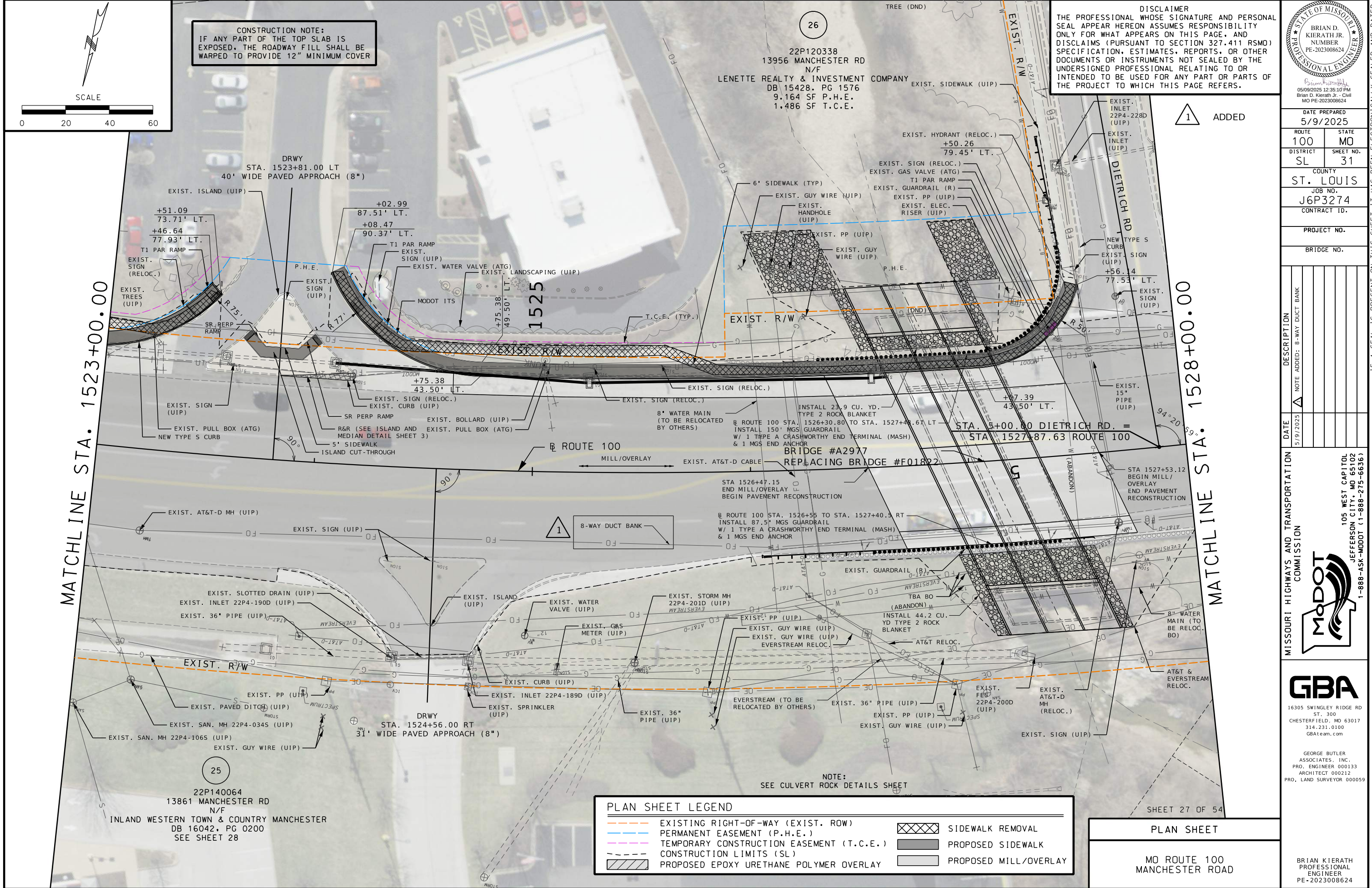
SHEET 17 OF 20

QUANTITIES

MO ROUTE 100
MANCHESTER ROAD

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624





CONSTRUCTION NOTE:
IF ANY PART OF THE TOP SLAB IS
EXPOSED, THE ROADWAY FILL SHALL BE
WARPED TO PROVIDE 12" MINIMUM COVER

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STATE OF MISSOURI

BRIAN D. KIERATH JR.

PROFESSIONAL ENGINEER

NUMBER
PE-2023008624

05/09/2025 12:35:10 PM

Brian D. Kierath Jr. - Civil

MO PE-2023008624

DATE PREPARED 5/9/2025	
ROUTE 100	STATE MO
DISTRICT SL	SHEET NO. 31
COUNTY ST. LOUIS	
JOB NO. J6P3274	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION
5/9/2025	NOTE ADDED: 8-WAY DUCT BANK

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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JEFFERSON CITY, MO 65102
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BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

PLAN SHEET LEGEND	
	EXISTING RIGHT-OF-WAY (EXIST. ROW)
	PERMANENT EASEMENT (P.H.E.)
	TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
	CONSTRUCTION LIMITS (SL)
	PROPOSED EPOXY URETHANE POLYMER OVERLAY
	SIDEWALK REMOVAL
	PROPOSED SIDEWALK
	PROPOSED MILL/OVERLAY

PLAN SHEET
MO ROUTE 100
MANCHESTER ROAD

MOBILIZATION	
TOTAL	1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING	
TOTAL	1 LUMP SUM

1

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM										
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
4	WB RTE 100	1409+32.00	1409+70.00	LT	100.00	-	-	-	-	EXISTING GUARDRAIL
4	WB RTE 100	1409+70.00	1409+71.00	RT	1.00	-	-	-	-	CLEAR OUT EXISTING DITCH AT BASE OF CONCRETE SLOPE
4	WB RTE 100	1413+63.00		RT	84.00	-	-	-	-	EXISTING GUARDRAIL
4	WB RTE 100	1413+91.00		RT	82.00	-	-	-	-	EXISTING SIDEWALK
4	WB RTE 100	1409+90	1424+80	CL	1,490	-	-	-	-	EXISTING PAVEMENT MARKING BRIDGE A56822

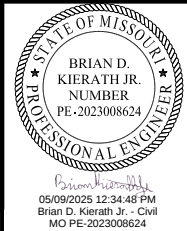
MGS GUARDRAIL									
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	MGS GUARDRAIL (LF)	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR/NO CURB) (EACH)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	"SHAPING SLOPES CLASS III" (MODIFIED) (100FT)	REMARKS
4	WB RTE 100	1409+32	1409+70	LT	-	1	1	1.40	
4	WB RTE 100	1413+63		RT	-	1	1	1.40	I-270 TO WB 100 OFF RAMP
4	WB RTE 100	1413+91		RT	-	1	1	1.40	I-270 TO WB 100 OFF RAMP
SUBTOTAL					0.0	3	3	4.20	
PROJECT TOTAL					0	3	3	4	

FLOWABLE BACKFILL				
SHEET NO.	ROADWAY	BRIDGE NO.	BRIDGE END	FLOWABLE BACKFILL (CY)
4	RTE 100	A56822	E	5
4	RTE 100	A56822	NW AT RAMP APPR	5
SUBTOTAL				10
PROJECT TOTAL				10

DRAINAGE IMPROVEMENTS								
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	FURNISHING TYPE 2 ROCK BLANKET (CY)	PLACING TYPE 2 ROCK BLANKET (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	CONCRETE GUTTER TYPE A (LF)
4	WB RTE 100	1413+90.00	1414+05.00	RT	-	-	-	15.00
4	WB RTE 100	1414+03.36	1414+14.31	RT	10.67	10.67	5.33	-
SUBTOTAL					10.67	10.67	5.33	15.00
PROJECT TOTAL					11	11	5	15

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1 ADDED



DATE PREPARED 5/9/2025	
ROUTE 100	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY ST. LOUIS	
JOB NO. J6P3274B	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION PAVEMENT MARKING ADDED TO REMOVALS	DATE 5/9/2025

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



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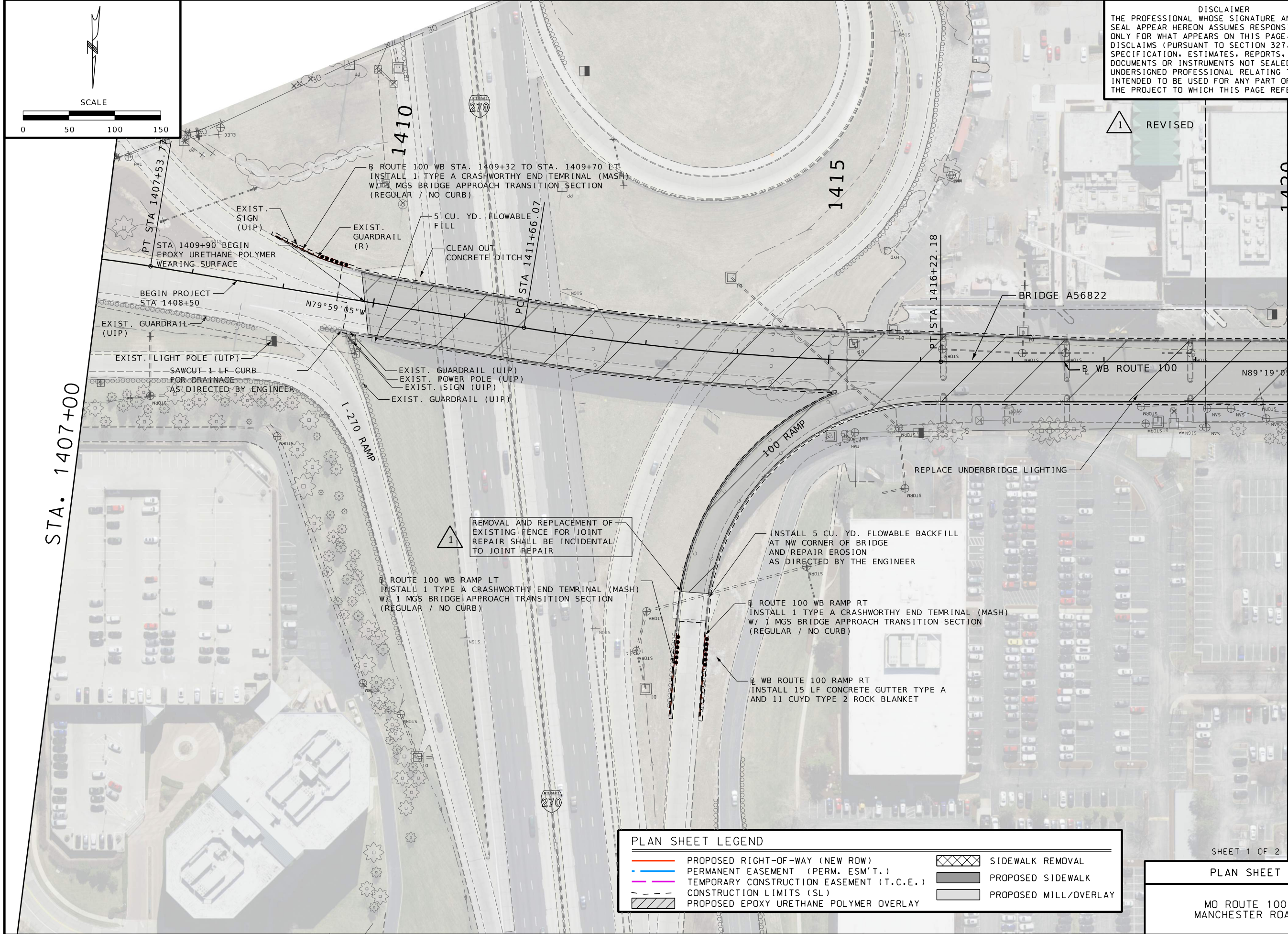
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SHEET 1 OF 3

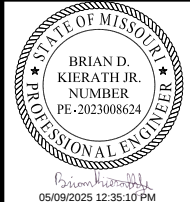
QUANTITIES

MO ROUTE 100
MANCHESTER ROAD

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Brian D. Kierath Jr. - Civil
MO PE-2023008624

DATE PREPARED 5/9/2025	
ROUTE 100	STATE MO
DISTRICT SL	SHEET NO. 4
COUNTY ST. LOUIS	
JOB NO. J6P3274B	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION
5/9/2025	NOTE ADDED FOR INCIDENTAL FENCE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

PLAN SHEET LEGEND			
	PROPOSED RIGHT-OF-WAY (NEW ROW)		SIDEWALK REMOVAL
	PERMANENT EASEMENT (PERM. ESM'T.)		PROPOSED SIDEWALK
	TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)		PROPOSED MILL/OVERLAY
	CONSTRUCTION LIMITS (SL)		
	PROPOSED EPOXY URETHANE POLYMER OVERLAY		

SHEET 1 OF 2

PLAN SHEET

MO ROUTE 100
MANCHESTER ROAD

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