

DATE PREPARED  
2/28/2025

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY LAFAYETTE

JOB NO. J3P3158

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 6

LOG MILE	AREA SF	PERM. AGGR EDGE TREATMENT TONS	2" BP-1 (MEDIAN OPENINGS & ENTRANCES TON	TACK COAT GAL	MOD. COLDMILL SY	REMARKS
67.650	100.00	0.21				RT. PRIVATE ENTRANCE
67.680	1050.00		12.86	11.67	116.67	JEFFERSON ST - LT. & RT. ENT.
67.730	55.00		0.67	0.61	6.11	LT. PRIVATE ENTRANCE
67.645	170.00		2.08	1.89	18.89	RT. PRIVATE ENTRANCE
67.650	225.00	0.48				LT. & RT. PRIVATE ENTRANCES
67.815	1750.00		21.43	19.44	194.44	MAIN ST - LT. & RT. ENTRANCES
67.890	2935.00		35.94	32.61	326.11	BROAD ST - LT. & RT. ENT.
67.915	250.00	0.53				RT. PRIVATE ENTRANCE
67.970	650.00		7.96	7.22	72.22	LT. & RT. ENTRANCES
67.970	3303.00		40.45	36.70	367.00	RT. PRIVATE ENTRANCE
67.990	75.00		0.92	0.83	8.33	LT. PRIVATE ENTRANCE
68.000	510.00		6.25	5.67	56.67	RT. PRIVATE ENTRANCE
68.010	400.00	0.85				LT. & RT. ENTRANCES
68.035	1000.00		12.25	11.11	111.11	LT. & RT. PRIVATE ENTRANCES
68.055	1500.00		18.37	16.67	166.67	OLD BRIDGE ST. - LT. ENT.
68.090	1000.00		12.25	11.11	111.11	SLUSHER ST. - LT. ENTRANCE
68.120	3820.00		46.78	42.44	424.44	CASEY GAS ENTRANCES
68.155	625.00	1.33				CHRISOLYN'S BAKERY - LT. ENT.
68.170	1120.00		13.72	12.44	124.44	PINE ST. - RT. ENTRANCE
68.235	270.00	0.57				LT. PRIVATE ENTRANCE
68.335	170.00	0.36				RT. PRIVATE ENTRANCE
68.374	105.00		1.29	1.17	11.67	LT. PRIVATE ENTRANCE
SUB-TOTAL -C		3.11	104.66	94.94	949.44	

2 REVISIED

	PERM. AGGR EDGE TREATMENT TONS	2" BP-1 (MEDIAN OPENINGS & ENTRANCES TON	TACK COAT GAL	MOD. COLDMILL SY	REMARKS
SUB-TOTAL -A	69.47	167.56	151.01	1510.01	
SUB-TOTAL -B	43.09	238.09	216.01	2160.01	
SUB-TOTAL -C	3.11	104.66	94.94	949.44	
TOTAL -2	116.00	510.31	461.96	4619.46	

2 REVISIED

CONT LOG MILE	CONT LOG MILE	LENGTH LF	MAINLINE WIDTH LF	SHLDR. WIDTH LT & RT LF	2" BP-1 PG58-28H MAINLANE TON	2" BP-1 PG58-28H SHLDR. TON	MODIFIED TACK COAT GAL	MOD. COLDMILL SY	COLDMILL SY	TYPE 5 AGGR. SY	BIT. C/L RUMBLE STRIP STA	BIT. SHLDR. RUMBLE STRIP STA	PERMANENT AGGR. EDGE TREATMENT TON	REMARKS
49.978	49.997	100.32	24	20	29.49	24.57	98.09	490.45			1.00	2.01	11.64	BEGINNING OF PROJECT
49.997	50.037	211.20	24	20	62.08	51.73	206.51				2.11	4.22	24.50	
50.037	54.620	24198.24	24	8	7112.49	2370.83	17207.64				241.98	483.96	2807.00	
54.620	54.625	26.40	24	8	7.76	2.59	18.77	93.87			0.26	0.53	3.06	
54.625	54.640	79.20	24	8	23.28	7.76	56.32		281.60		0.79	1.58	9.19	
54.640	54.645	26.40	24	8	7.76	2.59	18.77	93.87			0.26	0.53	3.06	
54.645	55.277	3336.96	24	8	980.82	326.94	2372.95				33.37	66.74	387.09	
55.277	55.400	649.44	24	20	190.89	159.07	635.01				6.49	12.99	75.34	
55.400	55.553	807.84	24	20	237.45	197.87	789.89				8.08	16.16	93.71	
55.553	55.563	52.80	24	20	15.52	12.93	51.63	258.13			0.53	1.06	6.12	
55.563	55.608	237.60	24											BRIDGE EXCEPTION - A2850
55.608	55.618	52.80	24	20	15.52	12.93	51.63	258.13			0.53	1.06	6.12	
55.613	55.700	459.36	24	20	135.02	112.51	449.15				4.59	9.19	53.29	
55.766	56.116	1848.00	24	20	543.18	452.65	1806.93				18.48	36.96	214.37	
56.116	58.178	10887.36	24	8	3200.08	1066.69	7742.12				108.87	217.75	1262.93	
58.178	58.259	427.68	24	20	125.71	104.76	418.18				4.28	8.55	49.61	
58.259	58.370	586.08	24	8	172.26	57.42	416.77				5.86	11.72	67.99	
58.370	58.440	369.60	24	8	108.64	36.21	262.83	1314.13			3.70	7.39	42.87	2 CONCRETE ENTRANCES ON EB LANE
58.440	64.240	30624.00	24	8	9001.19	3000.40	21777.07				306.24	612.48	3552.38	
64.240	64.245	26.40	24	8	7.76	2.59	18.77	93.87			0.26	0.53	3.06	
64.240	64.255	79.20	24	8	23.28	7.76	56.32		281.60		0.79	1.58	9.19	
64.255	64.260	26.40	24	8	7.76	2.59	18.77	93.87			0.26	0.53	3.06	
64.260	66.135	9900.00	24	8	2909.87	969.96	7040.00				99.00	198.00	1148.40	
66.135	66.140	26.40	24	8	7.76	2.59	18.77	93.87			0.26	0.53	3.06	
66.140	66.155	79.20	24	8	23.28	7.76	56.32		281.60		0.79	1.58	9.19	
66.155	66.160	26.40	24	8	7.76	2.59	18.77	93.87			0.26	0.53	3.06	
66.160	68.030	9873.60	24	8	2902.11	967.37	7021.23				98.74	197.47	1145.34	
68.030	68.150	633.60	24	8	186.23	62.08	450.56	2252.80			6.34	12.67	73.50	2 CONC. ENT. & CONC. FLUME ON EB LANE -WAVERLY
68.150	68.551	2117.28	24	12	622.32	311.16	1693.82				21.17	42.35	245.60	
68.551	68.570	100.32	24	8	29.49	9.83	71.34	356.69			1.00	2.01	11.64	END OF PROJECT
SUB-TOTAL -1					28696.76	10346.73	70844.93	5493.55	844.80		976.29	1952.66	11325.37	
SUB-TOTAL - 2 (SIDE STREETS/ ENTRANCES)						510.31	461.96	4619.46		10881.45			116.00	SIDE STREETS AND ENTRANCES
PAY TOTAL					28696.76	10857.04	71306.89	10113.01	844.80	10881.45	976.29	1952.66	11441.37	
FINAL PAY TOTAL					39553.80	71305.00	10115.00	850.00		10881.45	976.30	1952.70	11441.40	

2 REVISIED

2 REMOVED

2 REVISIED

BEG. STA.	END STA.	LOCATIONS	QUANTITIES LF	UNITS	REMARKS
1041+66.70	1041+71.65	REMOVE EX. FENCE AT THE PROPOSED NEW SIDEWALK	6	LS	NE QUADRANT OF US24/ SANTE FE ELEM. SCHOOL
FINAL PAY TOTAL			1.00	LS	

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SHEET 2 OF 6



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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MoDOT

FULL DEPTH PAVEMENT REPAIR

LOG MILE	LANES		LENGTH FT	WIDTH FT	FURNISHING & PLACING CONC. SQYD	SUBGRADE COMPACTION SQYD	TYPE 5 AGGR. FOR BASE SQYD	SAW CUT LF	DOWEL BARS EA	DOWEL BARS w/ BASKET EA	TIE TIE BAR EA	REMARKS
	EB	WB										
68.535	1		12	12	16.00	1.60	1.60	48	20			
68.525	1		80	12	106.67	10.67	10.67	184	20	40	32	
68.503/ 152.837	1	1	6	24	16.00	1.60	1.60	54	20			
68.473	1		6	12	8.00	0.80	0.80	30	20			
68.463	1		6	12	8.00	0.80	0.80	30	20			
68.444	1		6	12	8.00	0.80	0.80	30	20			
68.241	1		6	12	8.00	0.80	0.80	30	20			
68.233/ 153.107	1	1	6	24	16.00	1.60	1.60	54	20			
68.221	1		6	12	8.00	0.80	0.80	30	20			
68.107/ 153.414	1	1	6	24	16.00	1.60	1.60	54	20			
67.926/ 153.414	1	1	6	24	16.00	1.60	1.60	54	20			
69.907	1		6	12	8.00	0.80	0.80	30	20			
67.882/ 153.477	1	1	6	24	16.00	1.60	1.60	54	20			
67.748/ 153.611	1	1	6	24	16.00	1.60	1.60	54	20			
67.460/ 153.899	1	1	6	24	16.00	1.60	1.60	54	20			
66.990/ 154.369	1	1	6	24	16.00	1.60	1.60	54	20			
66.772/ 154.587	1	1	6	24	16.00	1.60	1.60	54	20			
56.714	1		12	12	16.00	1.60	1.60	48	20			
56.106/ 165.253	1	1	8	24	21.33	2.13	2.13	56	20			
55.277/ 166.082	1	1	6	24	16.00	1.60	1.60	54	20			
51.159/ 170.200	1	1	6	24	16.00	1.60	1.60	54	20			
TOTAL					384.00	38.40	38.40	1110.00	420.00	40.00	32.00	
FINAL PAY TOTAL					384.00	38.00	38.00	1110.00	420.00	40.00	32.00	

CONCRETE SIDEWALK & CURB RAMP

BEG. STA.	END STA.	LENGTH L.F	LINEAR GRADING STA.	5' CONCRETE, 4" SIDEWALK & LANDINGS S.Y	CONC. CURB RAMP S.Y	TRUNCATED DOMES S.F	REMARKS
1041+66.58	1042+17.12	50.54	0.51	28.08			5' CONC. SIDEWALK AND LANDINGS
1041+66.58	1041+71.65	6.15	0.06		3.42	20.0	CONC. RAMP TO SANTE FE ELEM. SCHOOL PARKING LOT
1042+12.07	1042+17.10	9.15	0.09		5.08	20.0	CONC. RAMP TO US24 WB
1042+12.07	1042+17.04	5.00	0.05	2.78		20.0	5' CONC. LANDING ON US24 EB
FINAL TOTAL				0.66	30.86	8.50	60.00
FINAL PAY TOTAL				1.00	30.90	8.50	60.00

OBJECT MARKER

NO	LOG MILE	OBJECT MARKER		TYPE III OBJECT MARKER	2" PSST POST 12 GA	POST ANCHOR FOR 2" PSST - 12 GA	LOCATION
		WB	EB	EA	LF	LF	
1	54.287	1	1	2	2	12	1697' EAST OF SLUSHER SCHOOL RD. - ROUTE 24
2	54.661	1	1	2	2	12	832' EAST OF NORTHRUP RD. - ROUTE 24
3	59.005	1	1	2	2	12	3900' EAST OF MILL ST - ROUTE 24
4	59.345	1	1	2	2	12	5377' EAST OF MILL ST. - ROUTE 24
6	64.257	1	1	2	2	12	290' EAST OF BALTIMORE BENT RD. - ROUTE 24
8	66.945	1	1	2	2	12	620' EAST OF OLD STANTA FE TRAIL - ROUTE 24
FINAL PAY TOTAL				12.00	*12.00	*72.00	*REFER SHEET 19 (D-29)

2 REMOVED

2 REMOVED

RELOCATE EXISTING SIGN ASSEMBLIES

EX. SIGN STATION	EX. SIGN OFFSET FT	RELOCATE STATION	RELOCATE OFFSET FT	LOCATIONS	RELOCATE SIGNS EA	RELOCATE SIGNS SQFT	REMARKS
1041+80.88	29.09 LT.	1042+19.12	18.42 LT.	RELOCATE EX. SIGN TO NEW LOCATION w/ POST & ASSEMBLIES	1.00	9.00	RELOCATE SCHOOL CROSSING SIGN - S1-1
1041+80.88	29.09 LT.	1042+19.12	18.42 LT.	RELOCATE EX. SIGN TO NEW LOCATION		2.00	RELOCATE DIAGONAL ARROW SIGN - W16-7P-L
1040+67.84	24.62 RT.	1042+10.08	17.37 RT.	RELOCATE EX. SIGN TO NEW LOCATION	1.00	2.00	RELOCATE DIAGONAL ARROW SIGN - W16-7P-L
FINAL PAY TOTAL					2.00	*13.00	* FOR INFORMATION ONLY

RELOCATE EXISTING SIGN ASSEMBLIES

EX. SIGN STATION	EX. SIGN OFFSET FT	RELOCATE STATION	RELOCATE OFFSET FT	RELOCATE SIGNS EA	RELOCATE SIGNS SQFT	REMARKS
1041+80.88	29.09 LT.	1042+19.12	18.42 LT.	1.00	11.00	ASSUME 16', 2.5" PSST POST
1040+67.84	24.62 RT.	1042+10.08	17.37 RT.	1.00	11.00	ASSUME 16', 2.5" PSST POST
FINAL PAY TOTAL				2.00	*22.00	* FOR INFORMATION ONLY

2 REVISED

PIPE CULVERT					
BEG. STATION	END STATION	CLASS 3 EXCAVATION CUYD	15" GROUP B PIPE LF	15" GROUP B FLARED END SECTION EA	REMARKS
1041+69.44	1042+21.30	34.03	50.00	1.00	BUILD 15" GROUP B PIPE, 15" GROUP B FES
TOTAL		34.03	50.00	1.00	* FOR INFORMATION ONLY
FINAL PAY TOTAL		34.00	50.00	1.00	

ROCK LINING FOR CULVERT OUTLET				
BEG. STATION	END STATION	CLASS A EXCAVATION CY	ROCK LINING CY	REMARKS
1042+19.70	1042+31.70	5.78	2.00	
TOTAL		*6.00	2.00	* FOR INFORMATION ONLY
FINAL PAY TOTAL			2.00	

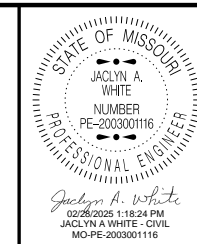
CULVERT CLEANOUT				
BEG. STATION	END STATION	LENGTH LF	CULVERT CLEANOUT EA	REMARKS
1041+08.33	1041+69.44	61.11	1.00	EX. 15" CULVERT AT SANTE FE ELEM. SCHOOL ENTRANCE
TOTAL		*61.00	1.00	* FOR INFORMATION ONLY
FINAL PAY TOTAL			1.00	

TEMPORARY EROSION CONTROL					
BEG. STA.	END STA.	ROCK DITCH CHECK LF	SEDIMENT TRAP CY	SEDIMENT REMOVAL CY	REMARKS
1041+50.00	1043+25.00	24.0	2.0	3.0	PROPOSED SIDEWALK EAST OF SANTE FE ELEM. SCHOOL ENTRANCE
TOTAL		24.00	2.0	3.0	
FINAL PAY TOTAL		24.00	2.00	3.00	

SEEDING AND EROSION CONTROL BLANKET					
BEGIN STATION	END STATION	AREA SQFT	SEEDING COOL SEASON GRASSES ACRE	TYPE 1C ECB SY	REMARKS
1041+50.00	1042+25.00	1000.000	0.02	111.11	NE SECTION OF US24 & SANTE FE ELEMENTARY SCHOOL
TOTAL			0.02	111.11	
FINAL PAY TOTAL			0.10	112.00	

OBJECT MARKER						
NO	LOG MILE	OBJECT MARKER		SIGN SIZE	TYPE III OBJECT MARKER EA	LOCATION
		WB	EB			
A	54.287	1		12"X36"	1	1697' EAST OF SLUSHER SCHOOL RD. - ROUTE 24(OM3-R)
B	54.661	1		12"X36"	1	832' EAST OF NORTHROP RD. - ROUTE 24(OM3-R)
C	59.005	1		12"X36"	1	3900' EAST OF MILL ST - ROUTE 24(OM3-R)
D	59.345	1		12"X36"	1	5377' EAST OF MILL ST. - ROUTE 24(OM3-R)
E	64.257	1		12"X36"	1	290' EAST OF BALTIMORE BENT RD. - ROUTE 24(OM3-R)
F	66.945	1		12"X36"	1	620' EAST OF OLD STANTA FE TRAIL - ROUTE 24(OM3-R)
G	54.287		1	12"X36"	1	1697' EAST OF SLUSHER SCHOOL RD. - ROUTE 24(OM3-L)
H	54.661		1	12"X36"	1	832' EAST OF NORTHROP RD. - ROUTE 24(OM3-L)
I	59.005		1	12"X36"	1	3900' EAST OF MILL ST - ROUTE 24(OM3-L)
J	59.345		1	12"X36"	1	5377' EAST OF MILL ST. - ROUTE 24(OM3-L)
K	64.257		1	12"X36"	1	290' EAST OF BALTIMORE BENT RD. - ROUTE 24(OM3-L)
L	66.945		1	12"X36"	1	620' EAST OF OLD STANTA FE TRAIL - ROUTE 24(OM3-L)
FINAL PAY TOTAL					12.00	

REVISED 2

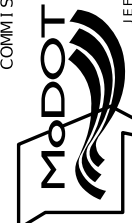


DATE PREPARED  
2/28/2025  
ROUTE 24 STATE MO  
DISTRICT KC SHEET NO. 3  
COUNTY LAFAYETTE  
JOB NO. J3P3158  
CONTRACT ID.

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)





S1-1



W16-7P



S1-1



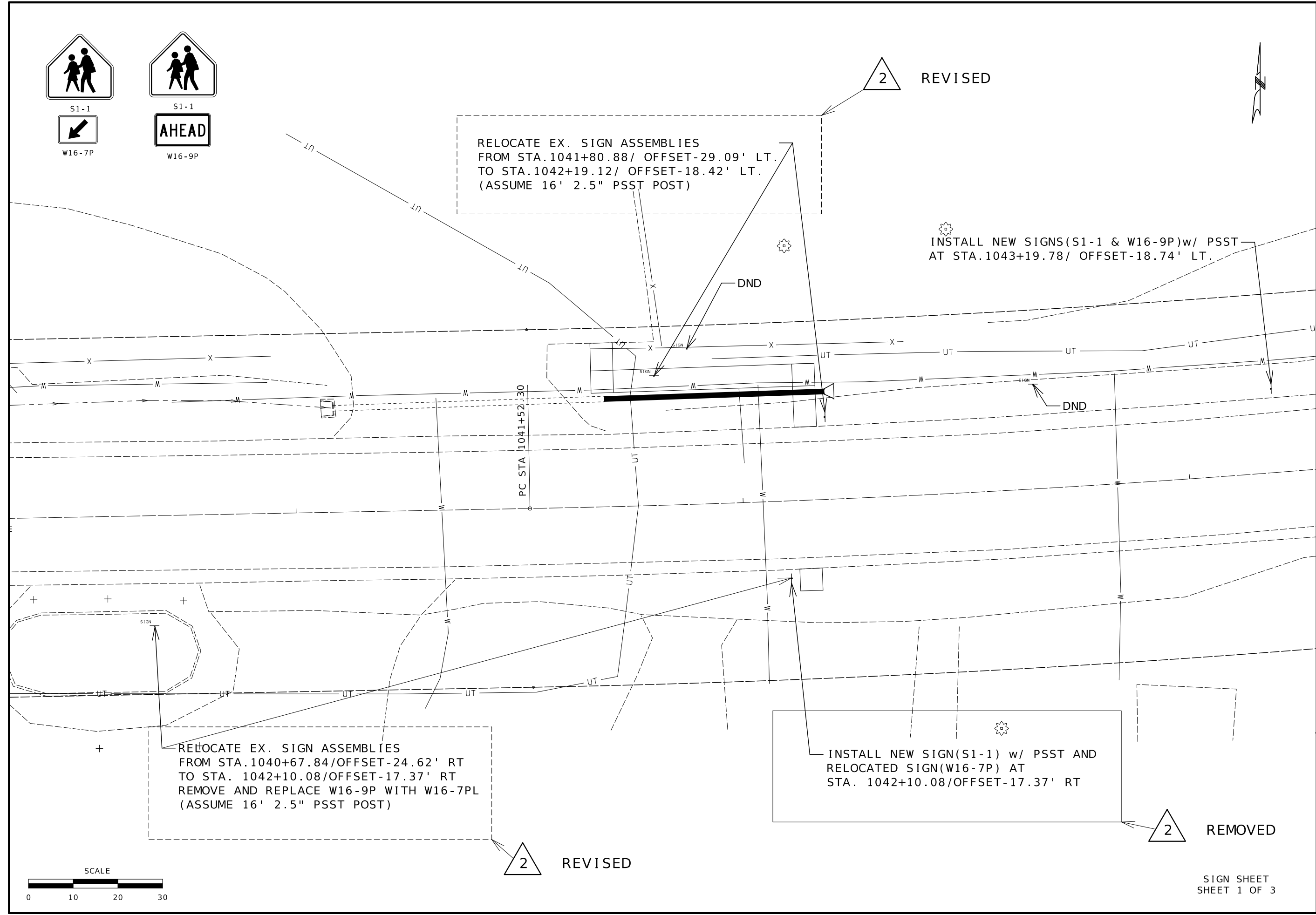
W16-9P



REVISED

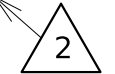
RELOCATE EX. SIGN ASSEMBLIES FROM STA.1041+80.88/ OFFSET-29.09' LT. TO STA.1042+19.12/ OFFSET-18.42' LT. (ASSUME 16' 2.5" PSST POST)

INSTALL NEW SIGNS(S1-1 & W16-9P)w/ PSST AT STA.1043+19.78/ OFFSET-18.74' LT.



RELOCATE EX. SIGN ASSEMBLIES FROM STA.1040+67.84/OFFSET-24.62' RT TO STA. 1042+10.08/OFFSET-17.37' RT REMOVE AND REPLACE W16-9P WITH W16-7PL (ASSUME 16' 2.5" PSST POST)

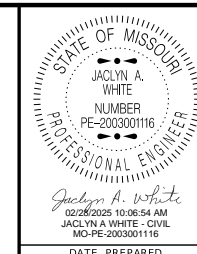
INSTALL NEW SIGN(S1-1) w/ PSST AND RELOCATED SIGN(W16-7P) AT STA. 1042+10.08/OFFSET-17.37' RT



REVISED



REMOVED



STATE OF MISSOURI  
JACLYN A. WHITE  
NUMBER  
PE-200300116  
PROFESSIONAL ENGINEER  
DATE PREPARED  
2/28/2025 10:06:54 AM  
ROUTE  
24  
STATE  
MO  
DISTRICT  
KC  
SHEET NO.  
18  
COUNTY  
LAFAYETTE  
JOB NO.  
J3P3158  
CONTRACT ID.

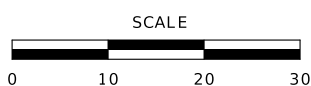
PROJECT NO.  
BRIDGE NO.

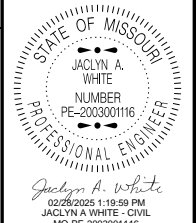
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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





DATE PREPARED: 2/28/2025  
ROUTE: 24 STATE: MO  
DISTRICT: KC SHEET NO.: 19  
COUNTY: LAFAYETTE  
JOB NO.: J3P3158  
CONTRACT ID.  
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Main project data table with columns for SIGNS, CONCRETE FOOTINGS EMBEDDED, STRUCTURAL STEEL POSTS, PIPE POSTS, BACKING BARS, U-CHANNEL POST, and PERFORATED SQUARE STEEL TUBE. Includes a SUBTOTAL and TOTAL row at the bottom.

\* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.  
\*\* BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2 1/2	5.79	0.48	4' - 3/4"	12"	4-6"	0.13
4	10.79	0.90	5' - 3/4"	18"	5-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT		STUB LENGTH	DIA.	FOOTING							
		LBS/FT	LBS/IN			LEVEL	GRADE	6:1 GRADE	4:1 GRADE	3:1 OR 2:1 GRADE			
						DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

2 REVISED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
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