PAVEMENT EDGE TREATMENT

STATION	STATION	OFFSET	PAVEMENT EDGE TREATMENT (LF)	REMARKS
PHASE 1				
2000+08	2030+08	LT	3000	PAVEMENT
2000+08	2030+08	RT	3000	PAVEMENT
2030+08	2039+00	LT	892	PAVEMENT
2030+07	2033+00	RT	293	RT SHOULDER WIDENING
2037+00	2039+00	RT	200	RT SHOULDER WIDENING
SUBTOTAL (PHASE 1-1)			7385	
2039+00	2058+10	LT	1910	PAVEMENT
2039+00	2058+10	RT	1910	RT SHOULDER WIDENING
2085+85	2098+00	LT	1215	PAVEMENT
2093+00	2098+00	RT	500	RT SHOULDER WIDENING
SUBTOTAL (PHASE 1-2)			5535	
2098+00	2134+50	LT	3650	PAVEMENT
2146+15	2165+00	LT	1885	PAVEMENT
2098+00	2099+62	RT	162	RT SHOULDER WIDENING
2100+14	2103+00	RT	286	RT SHOULDER WIDENING
2116+00	2127+00	RT	1100	RT SHOULDER WIDENING
2131+00	2134+50	RT	350	RT SHOULDER WIDENING
SUBTOTAL (PHASE 1-3)			7433	
2165+00	2167+10	LT	210	PAVEMENT
2195+50	2215+82	LT	2032	PAVEMENT
2215+82	2227+00	LT	1118	PAVEMENT
2215+82	2227+00	RT	1118	PAVEMENT
SUBTOTAL (PHASE 1-4)			4478	
PHASE 2				
2227+00	2227+34	LT	34	PAVEMENT
2227+00	2227+34	RT	34	PAVEMENT
2227+34	2282+00	LT	5466	PAVEMENT
2274+00	2282+00	RT	800	RT SHOULDER WIDENING
SUBTOTAL (PHASE 2-1)			6334	
2282+00	2337+00	LT	5500	PAVEMENT
2310+00	2312+00	RT	200	RT SHOULDER WIDENING
2316+00	2319+00	RT	300	RT SHOULDER WIDENING
2323+00	2336+83	RT	1383	RT SHOULDER WIDENING
SUBTOTAL (PHASE 2-2)			7383	
2337+00	2348+68	LT	1168	PAVEMENT
2348+68	2359+50	LT	1082	PAVEMENT
2348+68	2359+50	RT	1082	PAVEMENT
2359+50	2363+24	LT	374	PAVEMENT
2339+00	2341+60	RT	260	RT SHOULDER WIDENING
2343+61	2348+00	RT	439	RT SHOULDER WIDENING
SUBTOTAL (PHASE 2-3)			4405	
PAY TOTAL			42953	ALL PHASES

PARTIAL DEPTH PAVEMENT REPAIR

STATION	STATION	OFFSET	FURNISHING AND PLACING BITUMINOUS MATERIAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR (TONS)	REMOVAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR (SQYD)	REMARKS
ROUTE 47					
2000+09	2039+00	LT/RT	76.9	285.5	PHASE 1-1
2039+00	2098+00	LT/RT	60.3	223.7	PHASE 1-2
2098+00	2165+00	LT/RT	106.8	396.3	PHASE 1-3
2165+00	2227+00	LT/RT	65.1	241.5	PHASE 1-4
2227+00	2282+00	LT/RT	107.2	397.7	PHASE 2-1
2282+00	2337+00	LT/RT	107.4	398.8	PHASE 2-2
2337+00	2363+24	LT/RT	60.8	225.5	PHASE 2-3
		PAY TOTAL	584.5	2169.0	

PAVEMENT NOTES:
1. ASSUMED 3% OF EXISTING PAVEMENT TO REMAIN IN EACH SUBPHASE. ACTUAL AREA TO BE DETERMINED BY THE RESIDENT ENGINEER. USE ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP190C MIX).
2. APPLICATION RATES USED FOR QUANTITES
3. ASPHALTIC CONCRETE MIXTURE (TYPE SP190 MIX) = 1.94 TONS/CU YD COMPACTED MIXTURE

CURB & GUTTER

STATION	STATION	OFFSET	CONCRETE GUTTER TYPE A (LF)	CURB AND GUTTER TYPE B (LF)	REMARKS
2000+16	2000+96	LT	13	121	GUTTER OUTLET
2000+57	2000+79	RT	24		GUTTER OUTLET
2001+76	2001+98	RT		22	
2001+71	2002+12	LT		41	
2002+87	2003+94	RT		107	
2002+90	2003+99	LT		110	
2004+30	2005+27	LT		97	
2004+35	2005+63	RT		129	
2006+14	2011+07	LT		494	
2007+67	2007+86	RT		19	
2008+30	2009+65	RT		135	
2010+06	2011+09	RT		104	
2011+48	2013+64	LT	22	195	GUTTER OUTLET
2011+50	2013+26	RT	23	154	GUTTER OUTLET
2014+03	2020+60	RT	23	636	GUTTER OUTLET
2014+40	2015+16	LT	23	54	GUTTER OUTLET
2015+88	2016+19	LT		31	
2016+60	2017+20	LT		61	
2017+61	2018+15	LT		54	
2018+56	2019+02	LT		47	
2019+45	2020+60	LT		116	
2021+01	2030+32	RT	48	892	GUTTER OUTLET
2021+01	2022+97	LT		196	
2023+38	2026+89	LT	32	323	GUTTER OUTLET
2334+08	2335+77	LT	9	162	GUTTER OUTLET
2336+79	2338+01	LT	13	110	GUTTER OUTLET
		PAY TOTAL	230	4410	

EARTHWORK

STATION	STATION	CLASS A EXCAVATION (CUYD)	EMBANKMENT (CUYD)	COMPACTING EMBANKMENT SEE NOTE 1 (CUYD)	REMARKS
ROUTE 47					
PHASE 1					
2000+00	2039+00	6024	1436	1795	SUBPHASE 1-1
2039+00	2098+00	39194	15143	18928	SUBPHASE 1-2 (WITH BOHEMIAN ROAD)
2098+00	2165+00	19519	2230	2787	SUBPHASE 1-3
2165+00	2227+00	25482	3584	4480	SUBPHASE 1-4 (WITH ROUTE AA)
PHASE 1 SUBTOTAL		90219	22392	27990	
PHASE 2					
2227+00	2282+00	22104	4179	5224	SUBPHASE 2-1
2282+00	2337+00	26343	2493	3116	SUBPHASE 2-2
2337+00	2363+24	22789	3639	4548	SUBPHASE 2-3
PHASE 2 SUBTOTAL		71236	10311	12888	
PAY TOTAL		161455		40878	ALL PHASES

EARTHWORK NOTES:
1. ESTIMATED SHRINKAGE FACTOR = 25%.

1 ADDED

AGGREGATE FOR TEMPORARY ACCESS

STATION	STATION	GRAVEL (A) TON	REMARKS
PHASE 1			
2000+00	2039+00	220	SUBPHASE 1-1
2039+00	2098+00	220	SUBPHASE 1-2
2098+00	2165+00	160	SUBPHASE 1-3
2165+00	2227+00	10	SUBPHASE 1-4
PHASE 1 SUBTOTAL		610	
PHASE 2			
2227+00	2282+00	10	SUBPHASE 2-1
2282+00	2337+00	20	SUBPHASE 2-2
2337+00	2363+24	10	SUBPHASE 2-3
PHASE 2 SUBTOTAL		40	
PAY TOTAL		650	ALL PHASES

NOTES:
1. ESTIMATE QUANTITY TO BE USED FOR TEMPORARY ENTRANCE ACCESS AS APPROVED BY THE ENGINEER.

COLDMILLING

STATION	STATION	OFFSET	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THINK OR LESS) (SQYD)	MODIFIED COLDMILLING (DEPTH TRANSITION) (SQYD)	REMARKS
ROUTE 47					
2000+09	2005+00	LT/RT	1200.0		MILL AS NECESSARY TO MEET SURFACE THICKNESS
2007+50	2010+00	LT/RT	611.0		MILL AS NECESSARY TO MEET SURFACE THICKNESS
2011+00	2013+00	LT/RT	489.0		MILL AS NECESSARY TO MEET SURFACE THICKNESS
2015+00	2018+00	LT/RT	733.0		MILL AS NECESSARY TO MEET SURFACE THICKNESS
2020+00	2022+00	LT/RT	267.0		MILL AS NECESSARY TO MEET SURFACE THICKNESS
2025+50	2027+00	LT/RT	367.0		MILL AS NECESSARY TO MEET SURFACE THICKNESS
2000+09	2002+09	LT/RT		632.0	DEPTH TRANSITION BEGINNING OF PROJECT
2361+24	2363+24	LT/RT		1142.0	DEPTH TRANSITION END OF PROJECT
SUBTOTAL			3667.0	1774.0	
SUBTOTAL FROM ENTRANCES				553.1	
PAY TOTAL			3667	2327	

BITUMINOUS RUMBLE STRIP

STATION	STATION	OFFSET	BITUMINOUS SHOULDER RUMBLE STRIP (STA)	BITUMINOUS CENTERLINE RUMBLE STRIP (STA)	REMARKS
ROUTE 47					
SUBTOTAL PHASE 1-1			16.1	6.0	
SUBTOTAL PHASE 1-2			110.8	59.0	
SUBTOTAL PHASE 1-3			99.5	67.0	
SUBTOTAL PHASE 1-4			98.1	62.0	
SUBTOTAL PHASE 2-1			91.1	55.0	
SUBTOTAL PHASE 2-2			63.1	55.0	
SUBTOTAL PHASE 2-3			12.5	26.2	
PAY TOTAL			491.2	330.2	

1 SHEET REVISED

QUANTITIES
SHEET 9 OF 11

STATE OF MISSOURI
JEFFREY R. RENSING
NUMBER PE-2006012376
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 3/6/2026
ROUTE 47 | STATE MO
DISTRICT NE | SHEET NO. 3
COUNTY LINCOLN
JOB NO. JNE0003
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

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MISSOURI DESIGN FIRM PE-001166