

# RESURFACING QUANTITIES

LAKE COUNTY  
LAK-90-6.71

OHIO  
FHWA  
REGION 5

10  
182

RESURFACING QUANTITIES													
LOCATION		SIDE	LENGTH	END WIDTHS	SURFACE AREA	446	446	202	END WIDTHS	SURFACE AREA	446	446	202
						1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20, AS PER PLAN	4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 2, AC-20	WEARING COURSE REMOVED			1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20, AS PER PLAN	4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 2, AC-20	WEARING COURSE REMOVED
FROM	TO			L.F.	S.Y.	C.Y.	C.Y.	S.Y.	L.F.	S.Y.	C.Y.	C.Y.	S.Y.
PARTICIPATION I						PARTICIPATION II							
308+41.00	322+71.00	EB	1430	34/34	5402	187.6	600.2	5402	24/24	3813	132.4	423.7	3813
308+41.00	322+71.00	WB	1430	34/34	5402	187.6	600.2	5402	24/24	3813	132.4	423.7	3813
322+71.00	334+19.09	EB	1148.09	34/34	4337	150.6	481.9	4337	26/26	3317	115.2	368.6	
322+71.00	333+45.58	WB	1074.58	34/34	4060	141	451.1	4060	26/26	3104	107.8	344.9	
334+19.09	335+19.09	EB	100	34/46	444	15.4	49.3	444	26/26	289	10	32.1	
333+45.58	345+45.58	WB	1200	34/59	6200	215.3	688.9	6200	26/26	3467	120.4	385.2	
335+19.09	341+00	EB	580.91	46/46	2969	103.1	329.9	2969	26/26	1678	58.3	186.4	
341+00	346+19.09	EB	519.09	46/73	3432	119.2	381.3	3432	26/26	1500	52.1	166.7	
345+45.58	349+00	WB	354.42	35/44	1556	54	172.9	1556	26/26	1024	35.6	113.8	
346+19.09	347+17.00	EB	97.91	38/34	392	13.6	43.5	392	26/26	283	9.8	31.4	
347+17.00	368+26.00	EB	2109	34/34	7967	276.6	885.3	7967	26/26	6093	211.6	677.0	
349+00	365+20.00	WB	1620.00	34/34	6120	212.5	680	6120	26/26	4680	162.5	520.0	
365+20.00	366+17.66	WB	97.66	34/36	380	13.2	42.2	380	26/26	282	9.8	31.3	
366+17.66	370+08.50	WB	390.84	73/46	2584	89.7	287.1	2584	26/26	1129	39.2	125.4	
368+26.00	373+15.16	EB	489.16	44/35	2147	74.5	238.5	2147	26/26	1413	49.1	157.0	
370+08.50	375+00	WB	491.5	46/46	2512	87.2	279.1	2512	26/26	1420	49.3	157.8	
373+15.16	375+00	EB	184.84	59/55.5	1176	40.8	130.6	1176	26/26	534	18.5	59.3	
10+99.63	13+17.29	WB	217.66	46/46	1112	38.6	123.6	1112	26/26	629	21.8	69.9	
10+99.63	22+30.07	EB	1130.44	55.5/34	5621	195.2	624	5621	26/26	3266	113.4	362.9	
13+17.29	14+17.29	WB	100	46/34	444	15.4	49.3	444	26/26	289	10	32.1	
14+17.29	86+00	WB	7182.71	34/34	27135	942.2	3015	27135	26/26	20750	720.5	2305.6	
86+00	87+00	WB	100	34/34	378	13.1	42	378	26/16	233	8.1	25.9	
87+00	101+67.55	WB	1467.55	34/34	5544	192.5	616	5544					
22+30.07	101+67.55	EB	7937.48	34/34	29986	1041.2	3331.8	29986	26/26	22930	796.2	2547.8	
101+74.57	133+25.00	EB	3150.43	34/34	11902	413.3	1322.4	11902	26/26	9101	316	1011.2	
133+25.00	140+53.07	EB	728.07	34/34	2750	95.5	305.6	2750	26/17.3	1751	60.8	194.6	
143+40.31	144+52.24	EB	111.93	34/34	423	14.7	47	423	17.3/16	207	7.2	23.0	
101+74.57	140+53.07	WB	3878.5	34/34	14652	508.8	1628	14652					
144+52.24	216+10.14	EB	7157.90	34/34	27041	938.9	3004.6	27041					
143+40.31	229+26.66	WB	8586.35	34/34	32437	1126.3	3604.1	32437					
216+10.14	217+10.14	EB	100	34/46	444	15.4	49.4	444					
217+10.14	221+03.31	EB	393.17	46/77	2687	93.3	298.5	2687					
221+03.31	222+03.31	EB	100	40/34	411	14.3	45.7	411					
222+03.31	239+61	EB	1757.69	34/34	6640	230.6	737.8	6640					
229+26.66	241+39.02	WB	1212.36	34/59	6264	217.5	696.0	6264					
239+61	241+39.02	EB	178.02	75/65	1385	48.1	153.8	1385					
242+80.20	245+80.20	EB	300	65/59	2067	71.8	229.6	2067					
242+80.20	247+66.20	WB	486	59/74	3591	124.7	399	3591					
245+80.20	258+84.37	EB	1304.17	59/34	6738	234	748.7	6738					
247+66.20	263+36.12	WB	1569.92	34/34	5931	205.9	659	5931					
258+84.37	280+89	EB	2204.63	34/34	8329	289.2	925.4	8329					
263+36.12	264+36.12	WB	100	34/38	400	13.9	44.4	400					
264+36.12	268+90.85	WB	454.73	75/46	3057	106.1	339.7	3057					
268+90.85	269+90.85	WB	100	46/34	444	15.4	49.4	444					
269+90.85	280+89	WB	1098.15	34/34	4149	144.1	461	4149					
RAMP 'L'													
5+45.58	10+45	WB	499.42	24/27	1415	49.1	157.2	1415					
10+45	18+97.23	WB	852.23	27/27	2557	88.8	284.1	2557					
RAMP 'M'													
8+37.5	13+62.48	WB	524.98	27/27	1575	54.7	175	1575					
13+62.48	15+18	WB	155.52	27/28	475	16.5	52.8	475					
15+18	16+12.48	WB	94.48	28/31	310	10.8	34.4	310					
SUBTOTALS						9561.8	30596.3	275374			3368.0	10777.3	7626

RESURFACING QUANTITIES													
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						1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20, AS PER PLAN	4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 2, AC-20	WEARING COURSE REMOVED			1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20, AS PER PLAN	4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 2, AC-20	WEARING COURSE REMOVED
FROM	TO			L.F.	S.Y.	C.Y.	C.Y.	S.Y.	L.F.	S.Y.	C.Y.	C.Y.	S.Y.
PARTICIPATION I						PARTICIPATION II							
RAMP 'N'													
6+12.41	8+62	EB	249.59	31/27	804	27.9	89.4	804					
8+62	9+50	EB	88	27/27	264	9.2	29.3	264					
9+50	12+70	EB	320	27/35	1102	38.3	122.4	1102					
12+70	13+70	EB	100	35/35	389	13.5	43.2	389					
13+70	15+50	EB	180	35/47	820	28.5	91.1	820					
15+50	16+56	EB	106	47/47	554	19.2	61.6	554					
16+56	18+72.52	EB	216.52	47/47	1131	39.3	125.7	1131					
RAMP 'P'													
9+36.70	18+26	EB	889.3	27/27	2668	92.6	296.4	2668					
RAMP 'Q'													
3+93	4+18	EB	25	31/27	81	2.8		81					
RAMP 'R'													
5+59	5+84	EB	25	27/27	75	2.6		75					
RAMP 'S'													
4+86	5+11	WB	25	27/27	75	2.6		75					
RAMP 'T'													
5+22	5+47	WB	25	27/27	75	2.6		75					
SUBTOTAL						279.1	859.1	8038					
SUBTOTAL (FROM LEFT)						9561.8	30596.3	275374			3368.0	10777.3	7626
TOTALS						9840.9	31455.4	283412			3368.0	10777.3	7626

ITEM 407 - TACK COAT

I  $9841 \times \frac{36}{1.25} = 283,421 \text{ S.Y.}$   
 $= 283,421 \text{ S.Y.} \times 0.075 \text{ GAL./S.Y.}$   
 $= 21,257 \text{ GAL.}$

II  $3368 \times \frac{36}{1.25} = 96,999 \text{ S.Y.}$   
 $= 96,999 \text{ S.Y.} \times 0.075 \text{ GAL./S.Y.}$   
 $= 7275 \text{ GAL.}$