

CUYAHOGA & LAKE COUNTIES
CUY-I-15.91
LAK-I-0.00

PAVEMENT, BASE & SUBBASE CALCULATIONS

See Sheet No.	Station Locations, Calculations, Etc.	E-1	B-219	B-35	B-35	B-19	F-30	F-31	T-31	T-32	T-32	T-32	T-32	T-32	T-32	T-35	F-71	I-7	I-7	I-18	I-22		
		Compacted Subgrade Sq. Yds.	3" Water-purified Aggregate Base Course Sq. Yds.	Asph. Conc. Leve 1" (70-80) 1 1/4"	Asphaltic Conc. Base Course (70-80) Sq. Yds.	Aggregate Base Course Sq. Yds.	5"	6"	8"	Bituminous Prime Coat Sq. Yds.	Bituminous Surf. Treat. Bit. Mat'l. Sq. Yds.	Bituminous Surf. Treat. No. 6 Aggr. Sq. Yds.	Road Mix Bituminous Material Sq. Yds.	Seal Coat Bituminous Material Sq. Yds.	No. 6 Aggr. for Road Mix Sq. Yds.	No. 6 Aggr. for Choke Sq. Yds.	No. 6 Aggr. for Seal Coat Sq. Yds.	Asph. Conc. Surface Course (70-80) Sq. Yds.	10" Reinf. Portland Cem. Conc. Pavt. Sq. Yds.	Reinf. Conc. Approach Slabs (1:15) Sq. Yds.	Reinf. Conc. Appr. Slabs as per Plan Sq. Yds.	5" Slab Cr. Aggr. Slabs Approaches Sq. Yds.	Subbase Grading as per Plan Cu. Yds.
10299,300	Ramp "C" Sta. 8113.64 To Sta. 19172 = 1149.72' Avg. L. X 24' W. X 1/4"	3065.92																					
300	Sta. 19172 To Sta. 19197(P) = 20.3 5/4	90.30																				510.99	
300	Sta. 26134 To Sta. 26109(P) = 20.3 5/4	90.30																				15.05	
300,301	Sta. 26109 To Sta. 32154.93 = 637.81' Avg. L. X 24' W. X 1/4"	1,700.83																					
301	Sta. 32154.93 To Sta. 32179.19(P) = 22.0 3/4	92.00																				283.47	
301	Sta. 34122.23 To Sta. 34148.05(P) = 22.0 3/4	92.00																				15.33	
301	Sta. 34148.05 To Sta. 40128 = 580.03' Avg. L. X 24' W. X 1/4"	1,546.75																					
301	Sta. 40128 To Sta. 41103 = 75.74' Avg. L. X 25.5' Avg. W. X 1/4"	214.60																				257.79	
301	Sta. 41103 To Sta. 41153 = 50.42' Avg. L. X 29' W. X 1/4"	162.46																				35.77	
301	Sta. 41153 To Sta. 42127.99 = 75.29' Avg. L. X 30.5' Avg. W. X 1/4"	255.15																				27.08	
301,43,46	Sta. 42127.99 To Sta. 47173.60(P) = 761.95 3/4	761.95																				42.53	
301,46	Rt. # Sta. 59100.35 To Sta. 60100 = 98.08' Avg. L. X 12' Avg. W. X 1/4"	130.77																				126.99	
301,46	" " " " " " " = 98.08' Avg. L. X 12' Avg. W. X 0.5' D. X 1/4"	54.69																				21.80	
301,46	" " " " " " " = 49.22' Avg. L. X 10' W. X 1/4"	90.60																				9.12	
299,300	Rt. Ramp "C" Sta. 8113.64 To Sta. 19172 = 1163.59' Avg. L. X 5' W. X 1/4"	646.44	646.44						646.44	646.44												15.10	
	" " " " " " " = 1163.59' Avg. L. X 5.5' W. X 1/4"																					711.08	
	" " " " " " " = 469.18' Avg. L. X 5.5' W. X 0.5' D. X 1/4"																					48.74	
300,301	Sta. 26109 To Sta. 32159.20 = 632.16' Avg. L. X 5' W. X 1/4"	351.20	351.20						351.20	351.20												78.97	
	" " " " " " " = 632.16' Avg. L. X 5.5' W. X 1/4"																					386.32	
301	Sta. 34156.15 To Sta. 40128 = 575.56' Avg. L. X 5' W. X 1/4"	319.76	319.76						319.76	319.76												68.25	
	" " " " " " " = 575.56' Avg. L. X 5.5' W. X 1/4"																					351.73	
	" " " " " " " = 362.32' Avg. L. X 5.5' W. X 0.5' D. X 1/4"																					37.64	
301	Sta. 40128 To Sta. 41103 = 76.49' Avg. L. X 3.5' Avg. W. X 1/4"	29.75	29.75						29.75	29.75												23.46	
	" " " " " " " = 76.49' Avg. L. X 4' Avg. W. X 1/4"																					34.00	
299,325	Lt. Ramp "C" Sta. 8113.64 To Sta. 10162 = 248.70' Avg. L. X 14.49' Avg. W. X 1/4"	400.41	400.41						400.41	400.41												6.12	
299,325	Sta. 10162 To Sta. 18172 = 812.73' Avg. L. X 10' W. X 1/4"	903.03	903.03						903.03	903.03												66.73	
	" " " " " " " = 812.73' Avg. L. X 10.5' W. X 1/4"																					948.13	
	" " " " " " " = 223.00' Avg. L. X 10.5' W. X 0.5' D. X 1/4"																					44.23	
299,300	Sta. 18172 To Sta. 19172 = 100.39' Avg. L. X 7.5' Avg. W. X 1/4"	83.66	83.66						83.66	83.66												144.43	
	" " " " " " " = 100.39' Avg. L. X 8' Avg. W. X 1/4"																					89.24	
300	Sta. 26109 To Sta. 27109 = 100.39' Avg. L. X 7.5' Avg. W. X 1/4"	83.66	83.66						83.66	83.66												17.55	
	" " " " " " " = 100.39' Avg. L. X 8' Avg. W. X 1/4"																					89.24	
300,301	Sta. 27109 To Sta. 31154.93 = 448.27' Avg. L. X 10' W. X 1/4"	498.08	498.08						498.08	498.08												17.55	
	" " " " " " " = 448.27' Avg. L. X 10.5' W. X 1/4"																					522.98	
301	Sta. 31154.93 To Sta. 32154.93 = 100.39' Avg. L. X 7.5' Avg. W. X 1/4"	83.66	83.66						83.66	83.66												109.83	
	" " " " " " " = 100.39' Avg. L. X 8' Avg. W. X 1/4"																					89.24	
301	Sta. 34148.05 To Sta. 35148.05 = 100.13' Avg. L. X 7.5' Avg. W. X 1/4"	83.44	83.44						83.44	83.44												17.55	
	" " " " " " " = 100.13' Avg. L. X 8' Avg. W. X 1/4"																					89.00	
301	Sta. 35148.05 To Sta. 38172.20 = 323.68' Avg. L. X 10' W. X 1/4"	359.64	359.64						359.64	359.64												16.02	
	" " " " " " " = 323.68' Avg. L. X 10.5' W. X 1/4"																					377.63	
	" " " " " " " = 323.68' Avg. L. X 10.5' W. X 0.5' D. X 1/4"																					67.97	
	Sub Totals:	12,191.05	3,842.73						3,842.73	3,842.73												7,985.72	

NOTE: (P) Denotes Area Obtained By Planimeter.

MICHAEL BAKER, JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

STATE HIGHWAY NO. 1
C-42
PAVEMENT, BASE & SUBBASE CALCULATIONS

Designed	Drawn	Traced	Checked	Reviewed Date	Revised
B.P.	E.P.C.	K.L.G.	REF.		