

APPENDIX B – VOLUMETRIC INFORMATION
Table 5. Volumetric Information from Cores Retrieved at Site 2.

Sample ID	AC Content	Voids in Total Mix	Modulus with Ultrasonic Device, ksi	Gradation (Percent Passing)						
				1/2 in.	3/8 in.	No. 4	No. 10	No. 40	No. 80	No. 200
1	8.6%	--	1758	100	89	52.38	30.02	15.74	9.00	3.15
2	9.7%	--	1641	95.45	86.47	59.37	39.00	23.83	17.42	3.92
3	3.6%	--	1440	90.22	76.57	46.60	28.99	16.08	9.59	7.62
4	6.8%	--	1737	91.90	81.62	52.88	34.07	17.44	11.08	2.15
5	--	2.2%	1926	--	--	--	--	--	--	--
6	--	4.4%	1213	--	--	--	--	--	--	--
Average	7.2%	3.3%	1619	94.4	83.4	52.8	33.0	18.3	11.8	4.2
COV	37.2%	47.1%	15.8%	4.6%	6.6%	9.9%	13.8%	20.7%	32.8%	56.7%

Table 6. Volumetric Information from Cores Retrieved at Site 3.

Sample ID	AC Content	Voids in Total Mix	Modulus with Ultrasonic Device, ksi	Gradation (Percent Passing)						
				1/2 in.	3/8 in.	No. 4	No. 10	No. 40	No. 80	No. 200
1	6.2%	--	2142	97.9	83.3	53.7	30.6	13.5	7.9	3.0
2	6.1%	--	2177	100.0	82.3	52.8	31.6	14.5	8.6	4.2
3	5.6%	--	2286	98.7	74.9	45.9	28.7	13.5	8.0	3.7
4	6.2%	--	2312	100.0	83.6	53.3	30.9	14.2	9.1	4.2
5	--	6.1%	2058	--	--	--	--	--	--	--
6	--	4.8%	2275	--	--	--	--	--	--	--
Average	6.0%	5.4%	2208	99.2	81.0	51.4	30.4	13.9	8.4	3.8
COV	4.8%	17.6%	4.5%	1.0%	5.1%	7.2%	4.1%	3.6%	6.7%	15.0%

Table 7. Volumetric Information from Cores Retrieved at Site 4.

Sample ID	AC Content	Voids in Total Mix	Modulus with Ultrasonic Device, ksi	Gradation (Percent Passing)						
				1/2 in.	3/8 in.	No. 4	No. 10	No. 40	No. 80	No. 200
1	8.1%	--	1502	91.33	76.93	53.52	35.63	19.27	11.50	4.13
2	7.6%	--	1017	100	82.73	49.91	31.99	21.68	13.96	5.30
3	5.9%	--	1300	90.02	80.99	55.42	35.99	20.45	11.85	4.99
4	7.3%	--	1647	100	83.41	55.51	34.35	25.13	11.30	4.19
5	--	6.1%	1841	--	--	--	--	--	--	--
6	--	7.5%	1022	--	--	--	--	--	--	--
Average	7.2%	6.8%	1388	95.3	81.0	53.6	34.5	21.6	12.2	4.7
COV	13.1%	14.6%	24.2%	5.7%	3.6%	4.9%	5.2%	11.7%	10.1%	12.5%

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Table 8. Volumetric Information from Cores Retrieved at Site 5.

Sample ID	AC Content	Voids in Total Mix	Modulus with Ultrasonic Device, ksi	Gradation (Percent Passing)						
				1/2 in.	3/8 in.	No. 4	No. 10	No. 40	No. 80	No. 200
1	7.4%	--	2155	100	79.76	45.46	27.14	16.61	10.10	4.00
2	7.1%	--	1958	100	81.81	46.24	27.11	16.57	10.27	3.98
3	7.8%	--	2009	100	82.87	48.35	30.67	21.59	15.62	9.63
4	6.8%	--	1921	92.91	82.80	53.56	33.47	17.50	9.55	4.23
5	--	8.8%	1929	--	--	--	--	--	--	--
6	--	8.0%	1792	--	--	--	--	--	--	--
Average	7.3%	8.4%	1961	98.2	81.8	48.4	29.6	18.1	11.4	5.5
COV	5.9%	6.7%	6.1%	3.6%	1.8%	7.5%	10.4%	13.2%	24.9%	51.0%

Table 9. Volumetric Information from Cores Retrieved at Site 6.

Sample ID	AC Content	Voids in Total Mix	Modulus with Ultrasonic Device, ksi	Gradation (Percent Passing)						
				1/2 in.	3/8 in.	No. 4	No. 10	No. 40	No. 80	No. 200
1	10.1%	--	2022	100	77.7	51.93	36.50	24.21	13.24	6.08
2	8.2%	--	1789	90.68	80.70	54.59	36.70	22.62	12.13	3.34
3	8.1%	--	1897	90.79	79.11	56.18	42.62	26.94	10.51	2.24
4	8.4%	--	1720	93.98	79.43	49.96	32.99	17.93	10.09	1.97
5	--	1.6%	2123	--	--	--	--	--	--	--
6	--	2.6%	1496	--	--	--	--	--	--	--
Average	8.7%	2.1%	1841	93.9	79.2	53.2	37.2	22.9	11.5	3.4
COV	10.8%	33.7%	12.2%	4.7%	1.6%	5.2%	10.7%	16.5%	12.7%	55.1%