

NCAT Pavement Test Track Draft Construction Quality Data  
8/16/00

Sublot Number	Date Placed	Agg Type	Grad Type	Asph Type	Gradation										Nuclear		Ignition AC	Plant AC	Effective AC	D/A Ratio	Avg Gmb	Avg Gmm	Air Voids	Voids in Min Agg	Avg Density	Drain Down	Calc Gse	Calc Gsa	Calc Gsb			
					3/4	1/2	3/8	#4	#8	#10	#16	#30	#40	#50	#80	#100														#200	AC	AC
E2-1	3/21/00	Granite	BRZ	67-22	100	98	80	46	32	NA	25	20	NA	15	NA	8	4.1	5.06	5.30	5.2	4.86	0.8	2.441	2.496	2.2%	14%	94.6%	NA	2.701	2.727	2.686	
E2-2	3/21/00	Granite	BRZ	67-22	100	96	77	44	30	NA	23	19	NA	13	NA	7	4.4	5.04	5.26	5.2	5.05	0.9	2.445	2.484	1.6%	14%	94.2%	NA	2.685	2.727	2.686	
E2-3	4/11/00	Granite	BRZ	67-22	100	96	80	42	29	NA	22	17	NA	12	NA	7	3.9	4.90	4.54	4.8	4.46	0.9	2.433	2.516	3.3%	14%	94.4%	NA	2.718	2.727	2.685	
E2-4	4/11/00	Granite	BRZ	67-22	100	97	80	43	30	NA	22	17	NA	12	NA	7	3.5	5.05		4.8	4.89	0.7	2.435	2.493	2.3%	14%	95.7%	NA	2.697	2.727	2.685	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>2</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>Q.1</b>							<b>2.3%</b>	<b>14%</b>	<b>94.7%</b>						
E3-1	3/22/00	Granite	BRZ	SBR	100	98	79	45	30	NA	22	17	NA	11	NA	5	2.3	5.39	5.06	5.2	4.95	0.5	2.435	2.498	2.5%	14%	94.4%	NA	2.719	2.727	2.686	
E3-2	3/22/00	Granite	BRZ	SBR	100	94	77	41	28	NA	22	18	NA	12	NA	6	2.9	5.11	4.79	5.2	5.01	0.6	2.457	2.488	1.2%	13%	93.9%	NA	2.693	2.727	2.686	
E3-3	4/11/00	Granite	BRZ	SBR	100	97	74	39	27	NA	20	16	NA	11	NA	7	2.7	5.09	4.30	4.7	4.42	0.6	2.418	2.523	4.2%	15%	93.5%	NA	2.736	2.727	2.685	
E3-4	4/11/00	Granite	BRZ	SBR	100	94	70	38	27	NA	20	16	NA	11	NA	6	3.1	5.01	4.31	4.7	4.53	0.7	2.420	2.514	3.7%	14%	92.3%	NA	2.721	2.727	2.685	
<b>Av Abs Dv</b>					<b>Q</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>	<b>Q</b>	<b>Q</b>	<b>Q.1</b>							<b>2.9%</b>	<b>14%</b>	<b>93.5%</b>						
E4-1	4/10/00	Granite	BRZ	SBS	100	94	72	36	23	NA	18	15	NA	10	NA	5	2.6	4.92	4.70	4.8	4.37	0.6	2.393	2.522	5.1%	15%	93.8%	NA	2.726	2.727	2.685	
E4-2	4/10/00	Granite	BRZ	SBS	100	95	76	42	28	NA	21	16	NA	11	NA	5	2.7	5.14	4.41	4.8	4.62	0.6	2.416	2.512	3.8%	15%	92.9%	NA	2.724	2.727	2.685	
E4-3	4/12/00	Granite	BRZ	SBS	100	96	73	37	25	NA	19	16	NA	11	NA	6	2.9	5.08	4.54	4.7	4.55	0.6	2.416	2.515	3.9%	15%	94.1%	NA	2.725	2.727	2.685	
E4-4	4/12/00	Granite	BRZ	SBS	100	97	76	39	27	NA	20	16	NA	11	NA	6	3.1	5.08	4.80	4.7	4.66	0.7	2.416	2.508	3.7%	15%	94.2%	NA	2.717	2.727	2.685	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>1</b>		<b>1</b>	<b>Q</b>	<b>Q.1</b>									<b>4.1%</b>	<b>15%</b>	<b>93.8%</b>					
<b>Final JMF</b>					<b>100</b>	<b>96</b>	<b>76</b>	<b>41</b>	<b>28</b>		<b>21</b>	<b>17</b>		<b>12</b>	<b>6</b>	<b>3.2</b>	<b>5.1</b>		<b>4.7</b>													
E5-1	4/10/00	Granite	TRZ	SBS	100	98	84	52	36	NA	26	20	NA	14	NA	7	4.0	5.30	4.43	5.0	4.84	0.8	2.409	2.506	3.9%	15%	93.4%	NA	2.725	2.727	2.690	
E5-2	4/10/00	Granite	TRZ	SBS	100	98	84	52	36	NA	27	21	NA	14	NA	8	4.2	5.12	4.02	5.0	4.60	0.9	2.403	2.516	4.5%	15%	91.5%	NA	2.728	2.727	2.690	
E5-3	4/13/00	Granite	TRZ	SBS	100	96	85	54	37	NA	27	20	NA	14	NA	7	3.8	5.17	4.68	5.0	4.97	0.8	2.405	2.495	3.6%	15%	93.6%	NA	2.705	2.727	2.690	
E5-4	4/13/00	Granite	TRZ	SBS	100	97	82	49	34	NA	25	20	NA	13	NA	7	3.8	4.99	5.44	5.0	4.75	0.8	2.409	2.504	3.8%	15%	92.1%	NA	2.707	2.727	2.690	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>		<b>2</b>	<b>2</b>		<b>Q</b>	<b>Q</b>	<b>Q.1</b>									<b>3.9%</b>	<b>15%</b>	<b>92.7%</b>					
E6-1	4/11/00	Granite	TRZ	67-22	100	99	85	54	37	NA	28	21	NA	14	NA	8	4.3	4.84	4.74	5.0	4.77	0.9	2.399	2.499	4.0%	15%	93.7%	NA	2.694	2.727	2.690	
E6-2	4/11/00	Granite	TRZ	67-22	100	97	81	49	34	NA	26	20	NA	13	NA	7	3.6	5.04	4.55	5.0	4.56	0.8	2.419	2.517	3.9%	15%	91.7%	NA	2.726	2.727	2.690	
E6-3	4/13/00	Granite	TRZ	67-22	100	98	83	50	36	NA	27	20	NA	14	NA	7	3.8	5.30	4.66	5.0	4.84	0.8	2.417	2.506	3.6%	15%	93.7%	NA	2.725	2.727	2.690	
E6-4	4/13/00	Granite	TRZ	67-22	100	97	80	48	33	NA	25	19	NA	13	NA	7	3.2	5.14	5.26	5.0	4.66	0.7	2.405	2.513	4.3%	15%	92.4%	NA	2.726	2.727	2.690	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>2</b>	<b>2</b>		<b>Q</b>	<b>Q</b>	<b>Q.1</b>									<b>3.9%</b>	<b>15%</b>	<b>92.9%</b>					
E7-1	4/12/00	Granite	TRZ	SBR	100	97	82	49	34	NA	26	20	NA	14	NA	8	4.1	4.98	4.89	5.0	4.57	0.9	2.423	2.514	3.6%	14%	93.7%	NA	2.720	2.727	2.690	
E7-2	4/12/00	Granite	TRZ	SBR	100	96	79	48	34	NA	26	20	NA	14	NA	7	3.9	5.05	4.85	5.0	4.71	0.8	2.424	2.508	3.4%	14%	93.6%	NA	2.715	2.727	2.690	
E7-3	4/17/00	Granite	TRZ	SBR	100	99	86	55	39	NA	29	22	NA	15	NA	8	4.4	5.02	4.78	5.0	4.89	0.9	2.410	2.496	3.4%	15%	93.3%	NA	2.699	2.727	2.690	
E7-4	4/17/00	Granite	TRZ	SBR	100	97	82	50	35	NA	27	21	NA	14	NA	8	4.2	4.92	4.33	5.0	4.59	0.9	2.416	2.512	3.8%	15%	92.3%	NA	2.714	2.727	2.690	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>1</b>		<b>Q</b>	<b>Q</b>	<b>Q.1</b>									<b>3.6%</b>	<b>15%</b>	<b>93.2%</b>					
<b>Final JMF</b>					<b>100</b>	<b>97</b>	<b>83</b>	<b>51</b>	<b>36</b>		<b>28</b>	<b>22</b>		<b>14</b>	<b>7</b>	<b>3.9</b>	<b>5.1</b>		<b>5.0</b>													
E8-1	4/12/00	Granite	ARZ	67-22	100	97	85	64	48	NA	34	25	NA	16	NA	7	3.9	5.69	5.32	5.5	5.50	0.7	2.373	2.480	4.3%	17%	92.8%	NA	2.710	2.726	2.696	
E8-2	4/12/00	Granite	ARZ	67-22	100	98	84	62	47	NA	35	25	NA	16	NA	7	3.4	5.39	5.38	5.5	5.25	0.6	2.354	2.488	5.4%	17%	91.7%	NA	2.706	2.726	2.696	
E8-3	4/18/00	Granite	ARZ	67-22	100	98	87	65	50	NA	37	27	NA	17	NA	8	4.4	5.63	5.79	5.7	5.41	0.8	2.371	2.484	4.5%	17%	93.3%	NA	2.712	2.726	2.696	
E8-4	4/18/00	Granite	ARZ	67-22	100	98	87	66	50	NA	37	27	NA	17	NA	8	4.5	5.65	5.84	5.7	5.67	0.8	2.372	2.469	3.9%	17%	92.9%	NA	2.694	2.726	2.696	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>	<b>Q</b>	<b>Q.1</b>									<b>4.5%</b>	<b>17%</b>	<b>92.7%</b>					
E9-1	4/17/00	Granite	ARZ	SBS	100	96	80	58	43	NA	32	24	NA	16	NA	7	3.8	5.15	5.19	5.5	5.01	0.8	2.364	2.497	5.3%	17%	92.5%	NA	2.706	2.726	2.696	
E9-2	4/17/00	Granite	ARZ	SBS	100	96	83	62	46	NA	34	25	NA	16	NA	7	4.3	5.33	5.12	5.5	5.33	0.8	2.364	2.482	4.8%	17%	92.6%	NA	2.696	2.726	2.696	
E9-3	4/18/00	Granite	ARZ	SBS	100	97	84	61	46	NA	34	26	NA	17	NA	8	4.3	5.40	5.50	5.7	5.34	0.8	2.377	2.483	4.3%	17%	93.6%	NA	2.700	2.726	2.696	
E9-4	4/18/00	Granite	ARZ	SBS	100	98	86	66	49	NA	36	27	NA	17	NA	9	4.4	5.45		5.7	5.46	0.8	2.364	2.477	4.6%	17%	93.1%	NA	2.695	2.726	2.696	
<b>Av Abs Dv</b>					<b>Q</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>1</b>		<b>1</b>	<b>Q</b>	<b></b>																

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Sublot Number	Date Placed	Agg Type	Grad Type	Asph Type	Gradation										Nuclear		Ignition AC	Plant AC	Effective AC	D/A Ratio	Avg Gmb	Avg Gmm	Air Voids	Voids in Min Agg	Avg Density	Drain Down	Calc Gse	Calc Gsa	Calc Gsb			
					3/4	1/2	3/8	#4	#8	#10	#16	#30	#40	#50	#80	#100														#200	AC	AC
E10-1	4/17/00	Granite	ARZ	SBR	100	97	84	62	48	NA	36	26	NA	17	NA	8	4.0	5.50	5.50	5.6	5.49	0.7	2.367	2.476	4.4%	17%	93.4%	NA	2.696	2.726	2.696	
E10-2	4/17/00	Granite	ARZ	SBR	100	97	86	65	50	NA	37	28	NA	18	NA	9	5.1	5.42	5.36	5.6	5.16	1.0	2.372	2.494	4.9%	17%	92.8%	NA	2.715	2.726	2.696	
E10-3	4/20/00	Granite	ARZ	SBR	100	97	84	64	49	NA	36	26	NA	17	NA	8	4.3	5.76	5.64	5.7	5.79	0.7	2.381	2.464	3.4%	17%	93.3%	NA	2.693	2.726	2.696	
E10-4	4/20/00	Granite	ARZ	SBR	100	98	86	65	49	NA	36	27	NA	17	NA	8	4.2	5.68	5.72	5.7	5.68	0.7	2.379	2.469	3.6%	17%	92.6%	NA	2.696	2.726	2.696	
<b>Av Abs Dev</b>					<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>		<b>0</b>	<b>0</b>	<b>0.1</b>						<b>4.1%</b>	<b>17%</b>	<b>93.0%</b>						
<b>Final JMF</b>					<b>100</b>	<b>97</b>	<b>85</b>	<b>63</b>	<b>48</b>		<b>35</b>	<b>26</b>		<b>17</b>		<b>8</b>	<b>4.2</b>	<b>5.5</b>		<b>5.7</b>												
N1-1	4/19/00	Lms/Slag	ARZ	SBS	100	100	92	71	55	NA	36	23	NA	14	NA	8	5.3	7.28	7.74	7.2	5.64	0.9	2.289	2.357	3.0%	15%	96.6%	NA	2.622	2.724	2.509	
N1-2	4/19/00	Lms/Slag	ARZ	SBS	100	99	93	72	56	NA	37	23	NA	14	NA	8	5.1	7.50	7.86	7.2	5.62	0.9	2.300	2.363	2.5%	15%	95.7%	NA	2.640	2.724	2.509	
N1-3	4/25/00	Lms/Slag	ARZ	SBS	100	100	93	71	53	NA	33	21	NA	13	NA	7	3.9	7.58	7.99	7.2	5.61	0.7	2.303	2.365	2.6%	15%	94.5%	NA	2.646	2.724	2.509	
N1-4	4/25/00	Lms/Slag	ARZ	SBS	100	100	92	68	51	NA	33	21	NA	13	NA	8	4.6	7.37	7.99	7.2	5.53	0.8	2.309	2.365	2.4%	15%	93.5%	NA	2.637	2.724	2.509	
<b>Av Abs Dev</b>					<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>2</b>		<b>2</b>	<b>1</b>		<b>2</b>		<b>0</b>	<b>1</b>	<b>0.2</b>						<b>2.6%</b>	<b>15%</b>	<b>95.1%</b>						
N2-1	4/19/00	Lms/Slag	ARZ	SBS+	100	100	91	68	51	NA	33	21	NA	13	NA	7	4.2	7.70	8.03	7.6	5.87	0.7	2.321	2.354	1.6%	15%	94.9%	NA	2.637	2.724	2.509	
N2-2	4/19/00	Lms/Slag	ARZ	SBS+	100	100	92	69	51	NA	32	21	NA	13	NA	7	3.6	7.79	8.01	7.6	5.75	0.6	2.324	2.362	1.4%	15%	93.7%	NA	2.652	2.724	2.509	
N2-3	4/25/00	Lms/Slag	ARZ	SBS+	100	100	92	68	51	NA	32	21	NA	13	NA	8	4.1	8.00	8.02	7.7	6.03	0.7	2.297	2.352	2.3%	16%	95.4%	NA	2.647	2.724	2.509	
N2-4	4/25/00	Lms/Slag	ARZ	SBS+	100	100	93	68	49	NA	33	22	NA	15	NA	9	5.2	7.64	8.19	7.7	5.90	0.9	2.302	2.351	2.1%	15%	95.1%	NA	2.630	2.724	2.509	
<b>Av Abs Dev</b>					<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>		<b>2</b>	<b>2</b>		<b>2</b>		<b>1</b>	<b>1</b>	<b>0.1</b>						<b>1.9%</b>	<b>15%</b>	<b>94.7%</b>						
<b>Final JMF</b>					<b>100</b>	<b>100</b>	<b>90</b>	<b>70</b>	<b>53</b>		<b>34</b>	<b>23</b>		<b>16</b>		<b>8</b>	<b>4.4</b>	<b>7.2</b>		<b>7.2</b>												
N3-1	4/20/00	Lms/Slag	ARZ	67-22+	100	100	90	67	50	NA	33	21	NA	13	NA	8	4.5	7.52	8.00	7.5	5.64	0.8	2.283	2.362	3.6%	16%	94.7%	NA	2.640	2.724	2.509	
N3-2	4/20/00	Lms/Slag	ARZ	67-22+	100	99	90	67	51	NA	32	21	NA	13	NA	7	3.3	7.62	8.51	7.5	5.46	0.6	2.302	2.374	2.8%	15%	95.0%	NA	2.660	2.724	2.509	
N3-3	4/26/00	Lms/Slag	ARZ	67-22+	100	99	91	68	51	NA	33	21	NA	14	NA	8	5.0	7.64	8.51	7.5	5.64	0.9	2.276	2.365	3.9%	16%	92.9%	NA	2.649	2.724	2.509	
N3-4	4/26/00	Lms/Slag	ARZ	67-22+	100	100	91	67	50	NA	32	21	NA	13	NA	8	4.1	7.68	8.21	7.5	5.51	0.7	2.312	2.373	2.4%	15%	93.7%	NA	2.662	2.724	2.509	
<b>Av Abs Dev</b>					<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>		<b>2</b>	<b>2</b>		<b>2</b>		<b>0</b>	<b>1</b>	<b>0.1</b>						<b>3.2%</b>	<b>16%</b>	<b>94.1%</b>						
N4-1	4/20/00	Lms/Slag	ARZ	67-22	100	99	92	72	53	NA	33	21	NA	13	NA	7	4.4	7.32	8.10	7.2	5.29	0.8	2.293	2.377	3.6%	15%	94.8%	NA	2.651	2.724	2.509	
N4-2	4/20/00	Lms/Slag	ARZ	67-22	100	100	93	72	54	NA	34	22	NA	14	NA	8	5.0	7.28	8.17	7.2	5.22	1.0	2.307	2.380	3.0%	15%	93.8%	NA	2.653	2.724	2.509	
N4-3	5/18/00	Lms/Slag	ARZ	67-22	100	100	92	72	55	NA	35	22	NA	13	NA	7	4.0	6.78	7.04	7.1	4.61	0.9	2.281	2.402	4.9%	15%	92.7%	NA	2.660	2.724	2.509	
N4-4	5/18/00	Lms/Slag	ARZ	67-22	100	100	93	72	55	NA	36	23	NA	14	NA	8	4.7	6.78	7.38	7.1	4.70	1.0	2.310	2.397	3.7%	14%	92.2%	NA	2.653	2.724	2.509	
<b>Av Abs Dev</b>					<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>2</b>		<b>1</b>	<b>1</b>		<b>2</b>		<b>0</b>	<b>0</b>	<b>0.3</b>						<b>3.8%</b>	<b>15%</b>	<b>93.4%</b>						
<b>Final JMF</b>					<b>100</b>	<b>100</b>	<b>90</b>	<b>70</b>	<b>53</b>		<b>34</b>	<b>23</b>		<b>16</b>		<b>8</b>	<b>4.4</b>	<b>7.1</b>		<b>7.1</b>												
N5-1	5/17/00	Lms/Slag	BRZ	67-22+	100	99	86	53	37	NA	24	17	NA	11	NA	8	5.2	7.10	7.50	6.9	4.10	1.3	2.305	2.368	2.5%	12%	95.3%	NA	2.629	2.687	2.429	
N5-2	5/17/00	Lms/Slag	BRZ	67-22+	100	99	87	55	38	NA	24	16	NA	11	NA	7	4.2	7.19	7.60	6.9	4.30	1.0	2.320	2.359	1.8%	11%	93.8%	NA	2.621	2.687	2.429	
N5-3	5/18/00	Lms/Slag	BRZ	67-22+	100	99	85	52	36	NA	24	17	NA	11	NA	8	5.2	6.93	7.25	6.9	4.14	1.3	2.305	2.362	2.1%	12%	93.4%	NA	2.614	2.687	2.429	
N5-4	5/18/00	Lms/Slag	BRZ	67-22+	100	99	87	54	39	NA	25	17	NA	11	NA	8	5.2	7.10	7.17	6.9	4.47	1.2	2.264	2.348	3.9%	13%	92.8%	NA	2.603	2.687	2.429	
<b>Av Abs Dev</b>					<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>3</b>		<b>2</b>	<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>0.1</b>						<b>2.6%</b>	<b>12%</b>	<b>93.8%</b>						
N6-1	5/17/00	Lms/Slag	BRZ	67-22	100	99	83	49	34	NA	22	16	NA	9	NA	5	2.8	6.76	6.92	6.4	3.70	0.8	2.264	2.382	5.1%	13%	92.6%	NA	2.633	2.687	2.429	
N6-2	5/17/00	Lms/Slag	BRZ	67-22	100	100	88	53	36	NA	23	16	NA	11	NA	7	5.0	6.66	7.08	6.4	3.51	1.4	2.282	2.390	4.4%	12%	93.2%	NA	2.639	2.687	2.429	
N6-3	6/1/00	Lms/Slag	BRZ	67-22	100	99	86	52	35	NA	22	15	NA	10	NA	6	3.9	7.04	7.37	6.5	4.39	0.9	2.276	2.351	3.1%	13%	95.8%	NA	2.604	2.687	2.429	
N6-4	6/1/00	Lms/Slag	BRZ	67-22	100	99	83	50	34	NA	23	16	NA	11	NA	8	5.5	6.85	7.06	6.5	4.42	1.2	2.263	2.345	3.6%	13%	95.8%	NA	2.588	2.687	2.429	
<b>Av Abs Dev</b>					<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>0.2</b>						<b>4.0%</b>	<b>13%</b>	<b>94.4%</b>						
<b>Final JMF</b>					<b>100</b>	<b>99</b>	<b>84</b>	<b>51</b>	<b>35</b>		<b>22</b>	<b>15</b>		<b>10</b>		<b>7</b>	<b>4.3</b>	<b>6.6</b>		<b>6.4</b>												
N7-1	5/19/00	Lms/Slag	BRZ	SBR+	100	100	83	50	35	NA	24	17	NA	12	NA	9	6.6	7.00	7.77	6.9	4.22	1.6	2.282	2.359	2.5%	13%	93.5%	NA	2.613	2.687	2.429	
N7-2	5/19/00	Lms/Slag	BRZ	SBR+	100	99	85	51	34	NA	22	14	NA	9	NA	5	3.2	7.00	7.65	6.9	4.90	0.7	2.270	2.323	3.0%	13%	94.1%	NA	2.565	2.687	2.429	

**NCAT Pavement Test Track Draft Construction Quality Data**  
8/16/00

Sublot Number	Date Placed	Agg Type	Grad Type	Asph Type	Gradation													Nuclear AC	Ignition AC	Plant AC	Effective AC	D/A Ratio	Avg Gmb	Avg Gmm	Air Voids	Voids in Min Agg	Avg Density	Drain Down	Calc Gse	Calc Gsa	Calc Gsb	
					3/4	1/2	3/8	#4	#8	#10	#16	#30	#40	#50	#80	#100	#200															
N7-3	6/1/00	Lms/Slag	BRZ	SBR+	100	99	83	49	32	NA	21	13	NA	9	NA	5	2.8	7.03	7.45	6.9	4.82	0.6	2.287	2.328	1.7%	12%	94.0%	NA	2.573	2.687	2.429	
N7-4	6/1/00	Lms/Slag	BRZ	SBR+	100	98	83	51	33	NA	21	14	NA	9	NA	6	3.3	6.82	7.40	6.9	4.67	0.7	2.274	2.331	2.4%	13%	94.1%	NA	2.568	2.687	2.429	
<b>Av Abs Dev</b>					<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0.1</u>			<u>2.4%</u>	<u>13%</u>	<u>93.9%</u>						
N8-1	5/19/00	Lms/Slag	BRZ	SBR	100	99	84	47	32	NA	22	15	NA	10	NA	6	4.0	6.37		6.5	4.33	0.9	2.266	2.339	3.4%	13%	94.1%	NA	2.560	2.687	2.429	
N8-2	5/19/00	Lms/Slag	BRZ	SBR	100	99	87	51	34	NA	21	13	NA	8	NA	5	2.2	6.50	6.91	6.5	4.16	0.5	2.264	2.351	3.5%	13%	95.3%	NA	2.581	2.687	2.429	
N8-3	6/5/00	Lms/Slag	BRZ	SBR	100	99	81	49	33	NA	21	14	NA	10	NA	6	3.0	6.44	6.89	6.4	4.13	0.7	2.259	2.351	3.9%	13%	93.9%	NA	2.579	2.687	2.429	
N8-4	6/5/00	Lms/Slag	BRZ	SBR	100	99	84	54	36	NA	23	15	NA	11	NA	8	5.1	6.38	6.85	6.4	4.11	1.2	2.253	2.351	4.2%	13%	95.3%	NA	2.576	2.687	2.429	
<b>Av Abs Dev</b>					<u>0</u>	<u>0</u>	<u>2</u>	<u>2</u>	<u>2</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0.0</u>			<u>3.7%</u>	<u>13%</u>	<u>94.7%</u>						
<b>Final JMF</b>					<u>100</u>	<u>99</u>	<u>84</u>	<u>51</u>	<u>35</u>		<u>22</u>	<u>15</u>		<u>10</u>		<u>7</u>	<u>4.3</u>	<u>6.4</u>		<u>6.4</u>												
N9-1	6/2/00	Lms/Slag	BRZ	SBS	100	98	79	41	28	NA	20	13	NA	9	NA	6	3.7	6.42	6.32	6.3	4.07	0.9	2.260	2.354	3.8%	13%	94.2%	NA	2.582	2.687	2.429	
N9-2	6/2/00	Lms/Slag	BRZ	SBS	100	99	81	50	33	NA	21	14	NA	9	NA	6	4.2	6.51	6.77	6.3	4.26	1.0	2.279	2.346	3.0%	12%	94.3%	NA	2.575	2.687	2.429	
N9-3	6/7/00	Lms/Slag	BRZ	SBS	100	99	85	53	36	NA	23	16	NA	11	NA	8	5.3	6.62	6.70	6.4	4.01	1.3	2.279	2.362	3.2%	12%	94.9%	NA	2.600	2.687	2.429	
N9-4	6/7/00	Lms/Slag	BRZ	SBS	100	98	84	54	37	NA	24	17	NA	12	NA	8	5.6	6.59	6.54	6.4	4.29	1.3	2.279	2.346	3.2%	12%	94.5%	NA	2.578	2.687	2.429	
<b>Av Abs Dev</b>					<u>0</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>3</u>		<u>2</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0.1</u>			<u>3.3%</u>	<u>12%</u>	<u>94.5%</u>						
N10-1	6/6/00	Lms/Slag	BRZ	SBS+	100	98	84	52	35	NA	22	14	NA	10	NA	6	4.2	7.00		6.7	4.58	0.9	2.266	2.340	3.2%	13%	94.9%	NA	2.588	2.687	2.429	
N10-2	6/6/00	Lms/Slag	BRZ	SBS+	100	99	84	53	35	NA	22	14	NA	10	NA	6	4.2	6.89	6.97	6.7	4.53	0.9	2.248	2.340	3.9%	14%	95.8%	NA	2.583	2.687	2.429	
N10-3	6/7/00	Lms/Slag	BRZ	SBS+	100	99	85	53	34	NA	21	14	NA	10	NA	7	4.5	7.14	6.83	6.9	4.75	0.9	2.258	2.334	3.5%	14%	94.1%	NA	2.586	2.687	2.429	
N10-4	6/7/00	Lms/Slag	BRZ	SBS+	100	99	86	54	36	NA	22	15	NA	10	NA	7	4.7	7.02		6.9	4.51	1.0	2.256	2.344	3.5%	14%	94.0%	NA	2.594	2.687	2.429	
<b>Av Abs Dev</b>					<u>0</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>0</u>		<u>1</u>	<u>1</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.1</u>			<u>3.5%</u>	<u>14%</u>	<u>94.7%</u>							
<b>Final JMF</b>					<u>100</u>	<u>99</u>	<u>84</u>	<u>51</u>	<u>35</u>		<u>22</u>	<u>15</u>		<u>10</u>		<u>7</u>	<u>4.3</u>	<u>6.4</u>		<u>6.4</u>												
N11-1	6/6/00	Granite	19 mm	67-22	100	81	68	44	32	NA	25	19	NA	13	NA	8	5.1	4.16	3.55	4.3	3.84	1.3	2.449	2.534	3.2%	12%	92.6%	NA	2.705	2.722	2.682	
N11-2	6/6/00	Granite	19 mm	67-22	99	78	67	44	31	NA	24	19	NA	14	NA	8	5.3	3.80	3.62	4.3	3.86	1.4	2.447	2.524	3.2%	12%	92.7%	NA	2.677	2.722	2.682	
<b>Av Abs Dev</b>					<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.2</u>						<u>3.2%</u>	<u>12%</u>	<u>92.7%</u>						
<b>Final JMF</b>					<u>99</u>	<u>80</u>	<u>68</u>	<u>44</u>	<u>32</u>		<u>24</u>	<u>19</u>		<u>14</u>		<u>8</u>	<u>5.1</u>	<u>4.0</u>		<u>4.3</u>												
N11-3	6/12/00	Granite	12.5 mm	SBS	100	96	82	51	37	NA	29	23	NA	16	NA	9	5.6	4.99	4.01	4.5	4.35	1.3	2.437	2.525	3.2%	14%	93.1%	NA	2.733	2.722	2.685	
N11-4	6/12/00	Granite	12.5 mm	SBS	100	97	81	50	35	NA	28	22	NA	15	NA	8	4.8	4.80	4.07	4.5	4.48	1.1	2.431	2.512	3.5%	14%	93.1%	NA	2.708	2.722	2.685	
<b>Av Abs Dev</b>					<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>		<u>1</u>	<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.1</u>						<u>3.4%</u>	<u>14%</u>	<u>93.1%</u>						
<b>Final JMF</b>					<u>100</u>	<u>96</u>	<u>81</u>	<u>50</u>	<u>36</u>		<u>28</u>	<u>22</u>		<u>15</u>		<u>9</u>	<u>5</u>	<u>4.8</u>		<u>4.5</u>												
N12-1	6/6/00	Granite	19 mm	67-22	99	83	72	48	34	NA	26	20	NA	15	NA	9	5.5	4.36		4.3	4.16	1.3	2.448	2.519	3.4%	13%	92.0%	NA	2.697	2.722	2.682	
N12-2	6/6/00	Granite	19 mm	67-22	99	77	66	41	30	NA	23	18	NA	13	NA	8	4.6	4.10	3.97	4.3	3.56	1.3	2.442	2.550	3.6%	13%	92.8%	NA	2.722	2.722	2.682	
<b>Av Abs Dev</b>					<u>0</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>0</u>	<u>0.1</u>							<u>3.5%</u>	<u>13%</u>	<u>92.4%</u>						
<b>Final JMF</b>					<u>99</u>	<u>80</u>	<u>68</u>	<u>44</u>	<u>32</u>		<u>24</u>	<u>19</u>		<u>14</u>		<u>8</u>	<u>5.1</u>	<u>4.3</u>		<u>4.3</u>												
N12-3	6/12/00	Granite	SMA	SBS	100	95	72	31	22	NA	20	18	NA	16	NA	13	10.0		5.89	6.1				2.331	2.395	2.9%		94.7%	0.00%		2.606	2.579
N12-4	6/12/00	Granite	SMA	SBS	100	95	71	34	25	NA	21	18	NA	15	NA	12	9.2		5.91	6.1				2.338	2.406	2.6%		94.5%	0.01%		2.606	2.579
<b>Av Abs Dev</b>					<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>1</u>		<u>1</u>	<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>							<u>2.7%</u>		<u>94.6%</u>						
<b>Final JMF</b>					<u>100</u>	<u>95</u>	<u>72</u>	<u>33</u>	<u>24</u>		<u>21</u>	<u>18</u>		<u>15</u>		<u>12</u>	<u>9.6</u>	<u>6.1</u>		<u>6.1</u>												
N13-1	6/7/00	Gravel	19 mm	SBS	100	85	71	51	33	NA	25	20	NA	12	NA	6	4.8		4.80	4.9				2.302	2.375	3.4%		92.8%	NA		2.644	2.501
N13-2	6/7/00	Gravel	19 mm	SBS	99	85	68	48	31	NA	23	19	NA	12	NA	6	4.9		4.99	4.9				2.317	2.393	2.8%		92.2%	NA		2.644	2.501

NCAT Pavement Test Track Draft Construction Quality Data  
8/16/00

Sublot Number	Date Placed	Agg Type	Grad Type	Asph Type	Gradation										Nuclear AC	Ignition AC	Plant AC	Effective AC	D/A Ratio	Avg Gmb	Avg Gmm	Air Voids	Voids in Min Agg	Avg Density	Drain Down	Calc Gse	Calc Gsa	Calc Gsb									
					3/4	1/2	3/8	#4	#8	#10	#16	#30	#40	#50															#80	#100	#200						
<u>Av Abs Dev</u>					0	0	2	2	1		1	1		0	0	0							3.1%		92.5%												
<u>Final JME</u>					99	85	69	49	32		24	19		12	6	4.9	4.9																				
N13-3	6/12/00	Gravel	SMA	SBS	100	98	70	27	23	NA	21	19	NA	15	NA	11	8.4		7.03	6.7												2.561	2.398				
N13-4	6/12/00	Gravel	SMA	SBS	100	99	75	30	25	NA	23	21	NA	16	NA	12	9.1		7.06	6.7											2.561	2.398					
<u>Av Abs Dev</u>					0	0	2	1	1		1	2		1	1	0									4.0%		92.0%										
<u>Final JME</u>					100	98	73	28	24		21	18		15	11	8.8	6.7																				
W1-1	6/9/00	Granite	SMA	SBR	100	93	65	26	20	NA	17	15	NA	12	NA	9	6.4	6.44	6.68	6.4	5.85	1.1	2.358	2.427	2.9%	16%	97.0%	0.01%	2.677	2.679	2.634						
W1-2	6/9/00	Granite	SMA	SBR	100	92	64	26	19	NA	17	15	NA	13	NA	10	7.0	6.24	6.49	6.4	5.72	1.2	2.353	2.430	3.1%	16%	96.0%	0.01%	2.672	2.679	2.634						
W1-3	6/13/00	Granite	SMA	SBR	100	94	64	25	19	NA	16	15	NA	12	NA	10	7.2		6.19	6.2																	
W1-4	6/13/00	Granite	SMA	SBR	100	95	67	26	19	NA	16	14	NA	12	NA	10	6.9		6.02	6.2																	
<u>Av Abs Dev</u>					0	1	1	0	0		0	0		0	0	1									3.3%		95.0%										
<u>Final JME</u>					100	93	65	26	19		17	15		12	10	8.0	6.2																				
W2-1	6/9/00	Lms/Slag	SMA	SBR	100	98	80	33	23	NA	17	14	NA	11	NA	9	6.4	7.60	8.32	8.0	4.91	1.3	2.199	2.279	2.5%	14%	94.8%	0.02%	2.531	2.598	2.363						
W2-2	6/9/00	Lms/Slag	SMA	SBR	100	98	75	29	19	NA	14	10	NA	8	NA	6	3.8	7.77	8.41	8.0	5.90	0.6	2.195	2.234	2.7%	14%	93.9%	0.01%	2.478	2.598	2.363						
W2-3	6/15/00	Lms/Slag	SMA	SBR	100	97	75	28	19	NA	13	11	NA	9	NA	7	5.6	7.48	7.98	7.7	5.52	1.0	2.153	2.246	4.0%	16%	94.4%	0.06%	2.483	2.598	2.363						
W2-4	6/15/00	Lms/Slag	SMA	SBR	100	98	73	27	19	NA	14	12	NA	10	NA	9	7.4	7.69	8.49	7.7	5.76	1.3	2.162	2.239	3.6%	16%	93.9%	0.10%	2.482	2.598	2.363						
<u>Av Abs Dev</u>					0	0	2	2	1		1	1		2	1	2	0.1								3.2%	15%	94.3%										
<u>Final JME</u>					100	98	76	28	20		15	12		12	8	8.0	7.7																				
W3-1	6/13/00	Granite	BRZ	SBR	100	96	77	41	28	NA	21	17	NA	11	NA	5	2.5		5.05	4.7																	
W3-2	6/13/00	Granite	BRZ	SBR	100	95	77	39	26	NA	20	15	NA	10	NA	5	2.6		4.47	4.7																	
W3-3	6/15/00	Granite	BRZ	SBR	100	97	75	41	28	NA	21	17	NA	11	NA	6	2.9		4.45	4.7																	
W3-4	6/15/00	Granite	BRZ	SBR	100	96	76	41	28	NA	21	16	NA	10	NA	4	2.4	4.89	4.54	4.7	4.53	0.5	2.397	2.511	4.5%	15%	92.5%	NA	2.711	2.727	2.685						
<u>Av Abs Dev</u>					0	1	1	1	1		1	1		1	1	1										4.4%		93.2%									
<u>Final JME</u>					100	96	76	41	28		21	17		12	6	3.2	5.1																				
W3-5	6/19/00	Lms/Slag	OGFC	SBR	100	98	74	19	12	NA	10	9	NA	8	NA	6	4.8		6.72	8.5	NA	NA	NA	NA	NA	NA	NA	NA	0.19%	NA	2.604	2.373					
W3-6	6/19/00	Lms/Slag	OGFC	SBR	100	98	73	18	12	NA	10	9	NA	8	NA	7	5.1			8.5	NA	NA	NA	NA	NA	NA	NA	0.13%	NA	2.604	2.373						
<u>Av Abs Dev</u>					0	0	3	1	0		0	0		0	0	0																					
<u>Final JME</u>					100	98	70	18	12		10	9		8	6	5.0	8.5																				
W4-1	6/13/00	Limestone	SMA	SBR	100	94	70	25	18	NA	15	13	NA	12	NA	11	8.6	5.92		6.2	5.29	1.6	2.372	2.474	3.9%	16%	96.3%	0.74%	2.713	2.711	2.666						
W4-2	6/13/00	Limestone	SMA	SBR	100	94	69	25	19	NA	16	14	NA	13	NA	12	10.1	5.84		6.2	5.44	1.9	2.372	2.463	3.9%	16%	95.8%	0.12%	2.696	2.711	2.666						
W4-3	6/15/00	Limestone	SMA	SBR	100	93	69	26	17	NA	15	13	NA	12	NA	11	9.2			6.2																	
W4-4	6/15/00	Limestone	SMA	SBR	100	93	62	24	17	NA	14	13	NA	12	NA	11	9.4			6.2																	
<u>Av Abs Dev</u>					0	0	2	1	1		1	0		0	0	0										3.3%		95.3%									
<u>Final JME</u>					100	94	69	24	18		14	13		12	11	9.4	5.9																				
W4-5	6/20/00	Granite	OGFC	SBR	100	95	68	24	15	NA	13	11	NA	10	NA	9	7.7		6.60	6.3	NA	NA	NA	NA	NA	NA	NA	0.05%	NA	2.679	2.630						
W4-6	6/20/00	Granite	OGFC	SBR	100	93	64	21	13	NA	11	11	NA	9	NA	8	6.8		5.75	6.3	NA	NA	NA	NA	NA	NA	NA	0.44%	NA	2.679	2.630						
<u>Av Abs Dev</u>					0	1	2	2	2		1	1		0	1	1																					





NCAT Pavement Test Track Draft Construction Quality Data  
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Sublot Number	Date Placed	Agg Type	Grad Type	Asph Type	Gradation												Nuclear AC	Ignition AC	Plant AC	Effective AC	D/A Ratio	Avg Gmb	Avg Gmm	Air Voids	Voids in Min Agg	Avg Density	Drain Down	Calc Gse	Calc Gsa	Calc Gsb	
					3/4	1/2	3/8	#4	#8	#10	#16	#30	#40	#50	#80	#100															#200
S5-1	7/5/00	Lms/RAP	19 mm	SBS	96	85	75	54	37	NA	27	20	NA	13	NA	9	6.5		3.90	4.6		2.370	2.440	3.1%		91.9%	NA	2.561	2.488		
S5-2	7/5/00	Lms/RAP	19 mm	SBS	96	81	70	50	34	NA	24	18	NA	11	NA	7	4.9		4.78	4.6		2.367	2.451	3.2%		91.0%	NA	2.561	2.488		
<u>Av Abs Dev</u>					<u>0</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>2</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>							<u>3.1%</u>		<u>91.5%</u>					
<u>Final JMF</u>					<u>96</u>	<u>83</u>	<u>73</u>	<u>52</u>	<u>35</u>		<u>25</u>	<u>19</u>		<u>12</u>		<u>8</u>	<u>5.7</u>		<u>4.6</u>												
S5-3	7/7/00	Limestone	12.5 mm	SBS	100	96	86	66	49	NA	35	23	NA	10	NA	6	4.6		5.49	5.5		2.336	2.405	3.2%		95.0%	NA	2.683	2.471		
S5-4	7/7/00	Limestone	12.5 mm	SBS	100	95	83	65	48	NA	34	23	NA	9	NA	5	4.0		5.59	5.5		2.327	2.420	3.5%		94.7%	NA	2.683	2.471		
<u>Av Abs Dev</u>					<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>							<u>3.4%</u>		<u>94.9%</u>					
<u>Final JMF</u>					<u>100</u>	<u>95</u>	<u>85</u>	<u>66</u>	<u>48</u>		<u>35</u>	<u>23</u>		<u>10</u>		<u>6</u>	<u>4.3</u>		<u>5.5</u>												
S6-1	7/5/00	Lms/RAP	ARZ	67-22	100	94	86	73	53	NA	41	32	NA	23	NA	10	4.2		6.47	6.7		2.256	2.349	3.8%		93.2%	NA	2.487	2.449		
S6-2	7/5/00	Lms/RAP	ARZ	67-22	100	94	85	71	50	NA	38	29	NA	19	NA	6	2.1		6.88	6.7		2.265	2.339	3.4%		92.7%	NA	2.487	2.449		
S6-3	7/7/00	Lms/RAP	ARZ	67-22	100	96	88	75	53	NA	40	31	NA	21	NA	7	2.5		6.70	6.6		2.250	2.359	4.5%		92.8%	NA	2.487	2.449		
S6-4	7/7/00	Lms/RAP	ARZ	67-22	100	95	87	74	52	NA	39	30	NA	21	NA	8	2.9		6.66	6.6		2.250	2.352	4.5%		92.9%	NA	2.487	2.449		
<u>Av Abs Dev</u>					<u>0</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>							<u>4.0%</u>		<u>92.9%</u>					
<u>Final JMF</u>					<u>100</u>	<u>95</u>	<u>86</u>	<u>73</u>	<u>52</u>		<u>40</u>	<u>31</u>		<u>21</u>		<u>8</u>	<u>2.9</u>		<u>6.6</u>												
S7-1	7/6/00	Lms/RAP	BRZ	67-22	100	96	87	69	34	NA	24	19	NA	14	NA	7	3.6		6.89	7.0		2.280	2.319	1.9%		93.0%	NA	2.459	2.430		
S7-2	7/6/00	Lms/RAP	BRZ	67-22	100	94	86	68	34	NA	24	19	NA	14	NA	6	3.2		6.81	7.0		2.281	2.329	1.9%		92.9%	NA	2.459	2.430		
S7-3	7/8/00	Lms/RAP	BRZ	67-22	100	96	88	68	31	NA	22	17	NA	12	NA	6	2.7		6.91	6.9		2.245	2.319	3.3%		93.5%	NA	2.454	2.426		
S7-4	7/8/00	Lms/RAP	BRZ	67-22	100	93	83	66	31	NA	22	17	NA	12	NA	6	2.9		6.91	6.9		2.244	2.322	3.3%		93.3%	NA	2.454	2.426		
<u>Av Abs Dev</u>					<u>0</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>							<u>2.6%</u>		<u>93.2%</u>					
<u>Final JMF</u>					<u>100</u>	<u>95</u>	<u>86</u>	<u>68</u>	<u>33</u>		<u>23</u>	<u>18</u>		<u>13</u>		<u>6</u>	<u>3.1</u>		<u>6.9</u>												
S8-1	7/7/00	Granite	19 mm	67-22	100	92	80	48	31	NA	19	14	NA	11	NA	8	5.3	4.17	3.70	3.9	4.07	1.3	2.585	2.664	3.1%	13%	94.5%	NA	2.862	2.873	2.853
S8-2	7/7/00	Granite	19 mm	67-22	99	89	75	44	30	NA	20	15	NA	12	NA	9	5.9	3.96	3.59	3.9	3.92	1.5	2.610	2.669	2.1%	12%	93.0%	NA	2.856	2.873	2.853
<u>Av Abs Dev</u>					<u>0</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>2</u>		<u>1</u>	<u>1</u>		<u>1</u>	<u>0</u>	<u>0</u>	<u>0.1</u>							<u>2.6%</u>	<u>13%</u>	<u>93.8%</u>					
<u>Final JMF</u>					<u>100</u>	<u>89</u>	<u>75</u>	<u>43</u>	<u>29</u>		<u>19</u>	<u>14</u>		<u>11</u>		<u>9</u>	<u>5.4</u>		<u>4.0</u>												
S8-3	7/8/00	Granite	12.5 mm	SBS	100	100	94	58	37	NA	23	17	NA	13	NA	10	5.8	4.58	3.79	4.2	4.48	1.3	2.571	2.646	2.9%	14%	92.0%	NA	2.861	2.873	2.853
S8-4	7/8/00	Granite	12.5 mm	SBS	100	100	93	57	37	NA	24	17	NA	14	NA	10	6.2	4.45	3.98	4.2	4.42	1.4	2.581	2.647	2.5%	14%	91.5%	NA	2.856	2.873	2.853
<u>Av Abs Dev</u>					<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>	<u>0</u>	<u>0.1</u>	<u>0</u>							<u>2.7%</u>	<u>14%</u>	<u>91.8%</u>					
<u>Final JMF</u>					<u>100</u>	<u>100</u>	<u>90</u>	<u>58</u>	<u>37</u>		<u>23</u>	<u>17</u>		<u>13</u>		<u>10</u>	<u>6.0</u>		<u>4.4</u>												
S9-1	7/7/00	Granite	BRZ	67-22	100	92	78	47	32	NA	23	17	NA	11	NA	7	3.6	5.14	4.87	4.8	4.87	0.7	2.432	2.515	3.2%	15%	94.1%	NA	2.728	2.742	2.708
S9-2	7/7/00	Granite	BRZ	67-22	100	91	76	45	31	NA	23	17	NA	11	NA	7	3.6	4.89	4.8	4.8	4.86	0.7	2.433	2.510	3.2%	15%	92.7%	NA	2.710	2.742	2.708
S9-3	7/10/00	Granite	BRZ	67-22	100	94	82	55	38	NA	27	20	NA	14	NA	8	4.8	4.82	4.71	4.8	4.74	1.0	2.426	2.516	3.3%	15%	93.9%	NA	2.714	2.742	2.708
S9-4	7/10/00	Granite	BRZ	67-22	100	94	82	52	35	NA	25	18	NA	12	NA	6	2.7	5.12	4.80	4.8	5.05	0.5	2.411	2.504	3.9%	16%	93.0%	NA	2.714	2.742	2.708
<u>Av Abs Dev</u>					<u>0</u>	<u>1</u>	<u>3</u>	<u>4</u>	<u>2</u>		<u>2</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>0.1</u>	<u>0</u>							<u>3.4%</u>	<u>15%</u>	<u>93.4%</u>					
<u>Final JMF</u>					<u>100</u>	<u>93</u>	<u>80</u>	<u>50</u>	<u>34</u>		<u>24</u>	<u>18</u>		<u>12</u>		<u>7</u>	<u>3.7</u>		<u>4.9</u>												
S10-1	7/8/00	Granite	ARZ	67-22	100	95	88	70	52	NA	37	26	NA	17	NA	8	4.1	5.54	5.21	5.5	5.50	0.7	2.407	2.486	3.0%	16%	93.5%	NA	2.711	2.740	2.708
S10-2	7/8/00	Granite	ARZ	67-22	100	95	87	69	51	NA	36	26	NA	16	NA	6	3.6	5.52	5.46	5.5	5.66	0.6	2.416	2.476	2.6%	16%	93.2%	NA	2.697	2.740	2.708
S10-3	7/11/00	Granite	ARZ	67-22	100	95	88	70	52	NA	37	27	NA	17	NA	8	4.5	5.41	5.54	5.3	5.50	0.8	2.403	2.483	3.4%	16%	94.6%	NA	2.701	2.740	2.708
S10-4	7/11/00	Granite	ARZ	67-22	100	95	87	69	51	NA	36	26	NA	15	NA	7	3.6	5.51	5.36	5.3	5.39	0.7	2.411	2.492	3.1%	16%	93.3%	NA	2.717	2.740	2.708

NCAT Pavement Test Track Draft Construction Quality Data  
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Sublot Number	Date Placed	Agg Type	Grad Type	Asph Type	Gradation										Nuclear AC	Ignition AC	Plant AC	Effective AC	D/A Ratio	Avg Gmb	Avg Gmm	Air Voids	Voids in Min Agg	Avg Density	Drain Down	Calc Gse	Calc Gsa	Calc Gsb							
					3/4	1/2	3/8	#4	#8	#10	#16	#30	#40	#50															#80	#100	#200				
Av Abs Dev					0	0	0	1	1		0	0		1	1	0	0.0				3.0%	16%	93.7%												
Final JME					100	95	87	69	52		37	26		16	7	4.0	5.5		5.3																
S11-1	7/10/00	Granite	19 mm	67-22	100	90	75	44	29	NA	20	15	NA	12	NA	10	6.2	4.12	3.81	3.9	4.25	1.5	2.598	2.650	2.4%	13%	95.1%	NA	2.842	2.873	2.853				
S11-2	7/10/00	Granite	19 mm	67-22	100	87	72	38	25	NA	16	12	NA	10	NA	7	4.2	3.80	3.48	3.9	3.80	1.1	2.601	2.673	2.3%	12%	94.0%	NA	2.853	2.873	2.853				
Av Abs Dev					0	1	2	3	2		2	1		1	1	0.2									2.3%	12%	94.6%								
Final JME					100	89	75	43	29		19	14		11	9	5.4	3.9		3.9																
S11-3	7/12/00	Granite	9.5 mm	SBS	100	100	94	66	49	NA	32	23	NA	17	NA	13	6.9	4.35	3.68	4.2	4.38	1.6	2.570	2.647	3.0%	14%	93.1%	NA	2.851	2.873	2.853				
S11-4	7/12/00	Granite	9.5 mm	SBS	100	100	94	66	50	NA	32	23	NA	17	NA	12	6.5	4.20	3.82	4.2	4.28	1.5	2.563	2.650	3.2%	14%	93.3%	NA	2.846	2.873	2.853				
Av Abs Dev					0	0	0	0	1		0	0		0	0	0.1									3.1%	14%	93.2%								
Final JME					100	100	94	66	50		32	23		17	12	6.7	4.2		4.2																
S12-1	7/11/00	Limestone	Hveem	70-28	100	98	88	68	NA	43	NA	NA	19	NA	8	NA	4.4	4.88	5.33	4.9	4.71	0.9	2.418	2.475	2.4%	13%	94.3%	NA	2.667	2.655	2.655				
S12-2	7/11/00	Limestone	Hveem	70-28	100	99	89	71	NA	45	NA	NA	20	NA	9	NA	5.1	4.74	5.02	4.9	4.58	1.1	2.414	2.480	2.6%	13%	93.4%	NA	2.667	2.655	2.655				
S12-3	7/13/00	Limestone	Hveem	70-28	100	98	83	63	NA	42	NA	NA	19	NA	9	NA	5.4	4.38	4.86	4.7	4.22	1.3	2.405	2.493	3.5%	13%	93.6%	NA	2.666	2.655	2.655				
S12-4	7/13/00	Limestone	Hveem	70-28	100	99	87	67	NA	43	NA	NA	19	NA	8	NA	4.8	4.44	4.88	4.7	4.23	1.1	2.393	2.494	4.0%	14%	94.3%	NA	2.670	2.655	2.655				
Av Abs Dev					0	0	2	2		1			0	0	0	0.2									3.1%	14%	93.9%								
Final JME					100	98	87	67		43			19	9		4.9	4.7		4.7																
S13-1	7/12/00	Granite	ARZ	70-28	100	92	80	66	50	NA	37	27	NA	18	NA	10	5.1	5.34	5.30	5.3	4.50	1.1	2.309	2.404	3.9%	14%	93.6%	NA	2.600	2.646	2.543				
S13-2	7/12/00	Granite	ARZ	70-28	100	91	77	64	48	NA	36	26	NA	17	NA	9	4.5	5.28	5.32	5.3	4.53	1.0	2.316	2.401	3.6%	14%	92.3%	NA	2.593	2.646	2.543				
S13-3	7/13/00	Granite	ARZ	70-28	100	92	81	69	51	NA	37	26	NA	17	NA	9	4.8	5.23	5.76	5.3	4.48	1.1	2.294	2.403	4.6%	15%	93.5%	NA	2.594	2.646	2.543				
S13-4	7/13/00	Granite	ARZ	70-28	100	89	76	61	45	NA	32	22	NA	13	NA	5	2.6	5.19	5.46	5.3	4.41	0.6	2.286	2.406	4.9%	15%	94.2%	NA	2.596	2.646	2.543				
Av Abs Dev					0	1	2	3	2		2	2		2	1	1	0.1								4.3%	14%	93.4%								
Final JME					100	91	79	65	48		35	25		16	8	4.3	5.3		5.3																
E1-1	7/12/00	Qtz Gravel	ARZ	67-22	100	98	92	74	55	NA	39	26	NA	13	NA	8	5.9	5.68	5.33	5.3	4.83	1.2	2.335	2.450	4.7%	15%	93.4%	NA	2.672	2.664	2.611				
E1-2	7/12/00	Qtz Gravel	ARZ	67-22	100	97	88	68	51	NA	36	24	NA	12	NA	7	4.8	5.54	5.15	5.3	4.76	1.0	2.351	2.451	4.1%	15%	93.9%	NA	2.667	2.664	2.611				
E1-3	7/14/00	Qtz Gravel	ARZ	67-22	100	99	92	73	55	NA	38	24	NA	12	NA	8	5.3	5.78	5.38	5.4	5.03	1.1	2.364	2.441	3.3%	14%	94.7%	NA	2.665	2.664	2.611				
E1-4	7/14/00	Qtz Gravel	ARZ	67-22	100	98	92	73	53	NA	36	24	NA	10	NA	7	3.3	5.84	5.26	5.4	4.95	0.7	2.361	2.447	3.4%	14%	93.8%	NA	2.675	2.664	2.611				
Av Abs Dev					0	1	2	2	2		1	2		2	1	1	0.1								3.9%	15%	94.0%								
Final JME					100	98	89	72	53		37	26		14	7	4.8	5.6		5.3																
Overall Avg																									3.4%		93.6%								