



Test Sec	Study Mix (in)	Surface Mix Stockpile Materials	Year of Completion	Design Methodology	Specified Binder	Total Mix (in)	Base Material	Sub-Grade	Research Objective(s)
E2	4	Calcinced Bauxite	2005	Proprietary	Epoxy	24	Granite	Stiff	HVS PG67 Validation w/ High Friction Epoxy Surface
E3	4	Calcinced Bauxite	2005	Proprietary	Epoxy	24	Granite	Stiff	HVS PG76 Validation w/ High Friction Epoxy Surface
E4A	4	Granite	2000	Superpave	PG76-22	24	Granite	Stiff	Performance of Coarse Gradation
E4B	4	Granite	2000	Superpave	PG76-22	24	Granite	Stiff	Performance of Coarse Gradation with Rejuvenating Fog Seal
E5A	2	Gm/Lms/Snd (45% RAP)	2006	Superpave	PG67-22	24	Granite	Stiff	RAP Mix Design/Construction/Performance w/ Rej. Fog Seal
E5B	2	Gm/Lms/Snd (45% RAP)	2006	Superpave	PG67-22	24	Granite	Stiff	RAP Mix Design/Construction/Performance
E6	2	Gm/Lms/Snd (45% RAP)	2006	Superpave	PG76-22	24	Granite	Stiff	RAP Mix Design/Construction/Performance
E7A	1.5	Granite/Limestone	2012	Superpave	PG76-22	24	Granite	Stiff	SBS-Modified Control Mix from 2006 Research Cycle
E7B	1.5	Granite/Limestone	2012	Superpave	PG76-22R	24	Granite	Stiff	GTR-Modified Research Mix Variant of E7A-1 Control
E8A	1.5	Granite (25% RAP)	2012	Superpave	PG76-22	24	Granite	Stiff	25% RAP Research Mix Variant of E7A-1 Control
E8B	1.5	Granite (20% RAP, 5% RAS)	2012	Superpave	PG76-22	24	Granite	Stiff	20% RAP + 5% RAS Research Mix Variant of E7A-1 Control
E9A	0.75	Granite	2012	PFC	PG76-22	24	Granite	Stiff	9.5 NMAS Mix with Cellulose Fibers
E9B	0.75	Granite	2012	PFC	PG76-22	24	Granite	Stiff	12.5 NMAS with Forta-Fi and No Cellulose Fibers
E10	0.75	Granite	2012	PFC	ARB12	24	Granite	Stiff	12.5 NMAS with ARB12 and No Cellulose Fibers
N1A	0.75	Granite (15% RAP)	2012	PFC	PG76-22	7.75	Limerock	Stiff	Surface Cracks in PFC Tacked with Trackless
N1B	0.75	Granite (15% RAP)	2012	PFC	PG76-22	7.75	Limerock	Stiff	Surface Cracks in PFC Tacked with UltraFuse
N2	0.75	Granite (15% RAP)	2012	PFC	PG76-22	7.75	Limerock	Stiff	Surface Cracks in PFC Tacked with Ebond
N3	6	Traprock (11% RAP)	2012	Superpave	PG76-22	11	Granite	Stiff	Overlay Thickness for 100% Recycle Mix
N4	4	Traprock (11% RAP)	2012	Superpave	PG76-22	9	Granite	Stiff	Overlay Thickness for 100% Recycle Mix
N5	6	Granite/Sand (20% RAP)	2012	Superpave	PG76-22	6	Granite	Stiff	GG Control M-E Design Validation/Calibration
N6	7	Granite/Sand/Limestone	2009	Superpave	PG76-22	7	Granite	Stiff	GE+ Standard Shell Thiopave & M-E Design
N7	5.75	Granite/Sand/Limestone	2009	Superpave	PG88-22	5.75	Granite	Stiff	GE+ Thin Kraton High Polymer & M-E Design
N8	5.75	Granite/Sand/Limestone	2009	Superpave	PG88-22	10	Stiff Sub	Soft	Kraton High Polymer for Extreme Rehabilitation
N9	14	Oklahoma Granite	2006	SMA	PG76-28	14	Stiff Sub	Soft	Perpetual Pavement & M-E Design
N10	7	Sand/Granite (50% RAP)	2009	Superpave	PG67-22	7	Granite	Stiff	GE 50% RAP Hot Mix Asphalt & M-E Design
N11	7	Sand/Granite (50% RAP)	2009	Superpave	PG67-22	7	Granite	Stiff	GE 50% RAP Warm Mix Asphalt & M-E Design
N12	2	Georgia Granite	2012	Superpave	PG67-22	24	Granite	Stiff	Reflective Crack Prevention with Triple Chip
N13	2.75	Georgia Granite	2012	Superpave	PG67-22	24	Granite	Stiff	Reflective Crack Prevention with Open Graded Interlayer
W1	4	Georgia Granite	2000	SMA	PG76-22	24	Granite	Stiff	Columbus Granite SMA
W2	0.38	Lightweight Aggregate	2012	Chip Seal	PG67-22	24	Granite	Stiff	Pavement Preservation
W3	2	Gm/Lms/Snd (20% RAP)	2006	Superpave	PG76-22	24	Granite	Stiff	RAP Mix Design/Construction/Performance
W4	2	Gm/Lms/Snd (20% RAP)	2006	Superpave	PG67-22	24	Granite	Stiff	RAP Mix Design/Construction/Performance
W5	2	Gm/Lms/Snd (45% RAP)	2006	Superpave	PG52-28	24	Granite	Stiff	RAP Mix Design/Construction/Performance
W6	1	Limestone/Gravel/Sand	2003	Superpave	PG76-22	24	Granite	Stiff	Low Volume Road Preservation
W7	1.5	Granite	2010	Superpave	PG67-22	24	Granite	Stiff	Shell Thiopave with Latex 5/11/10
W8	0	Research Blends	2011	Research	Epoxy	24	Granite	Stiff	Two Different Epoxy Surface Treatments
W9	0	Research Blends	2011	Research	Epoxy	24	Granite	Stiff	Six Different Epoxy Surface Treatments
W10	2	Traprock (10% RAP)	2012	PFC	PG76-22	24	Granite	Stiff	Quiet Pavements
S1	2	Traprock (10% RAP)	2012	PFC	ARB12	24	Granite	Stiff	Quiet Pavements
S2	4	Gravel/Sand (45% RAP)	2009	Superpave	PG67-22	24	Granite	Stiff	High RAP Content Gravel Superpave
S3	1	Gravel/Sand (25% RAP)	2012	Superpave	PG67-22	24	Granite	Stiff	Low Cost Mix for Low Volume Roads
S4	1.25	Limestone (3% RAS)	2012	PFC	PG76-22	24	Granite	Stiff	PFC Construction/Performance without Cellulose Fibers
S5	6	Granite/Flyash (25% CFRAP)	2012	SMA	PG67-22	6	Granite	Stiff	GG Buildup with RAP Focus & M-E Design
S6	6	Granite/Flyash (5% RAS)	2012	SMA	PG67-22	6	Granite	Stiff	GG Buildup with RAP+RAS Focus & M-E Design
S7	1.75	Limestone/Porphyry	2009	Superpave	PG76-22R	24	Granite	Stiff	GTR-Modified Superpave Mix
S8A	7	Granite (15% RAP)	2009	PFC	PG76-22	7	Granite	Stiff	GE Buildup with PFC Surface & M-E Design + PG Control
S8B	7	Granite (15% RAP)	2009	PFC	PG76-22	7	Granite	Stiff	GE Buildup with PFC Surface & M-E Design w/ Rej. Fog Seal
S9	7	Granite/Sand/Limestone	2009	Superpave	PG76-22	7	Granite	Stiff	GE Control Section Conventional Mix & M-E Design + PG
S10	7	Granite/Sand/Limestone	2009	Superpave	PG76-22	7	Granite	Stiff	GE Foamed WMA & M-E Design + PG
S11	7	Granite/Sand/Limestone	2009	Superpave	PG76-22	7	Granite	Stiff	GE Additized WMA & M-E Design + PG
S12	4	Traprock (11% RAP)	2012	Superpave	PG76-22	9	FDR	Stiff	Overlay Thickness for 100% Recycle Mix on FDR
S13	6	Granite/Flyash	2012	SMA	ARB12	6	Granite	Stiff	GG Buildup with Recycled Tire Rubber Focus & M-E Design
E1A	0.75	Granite	2012	PFC	PG76-28	24	Granite	Stiff	PFC Design/Construction/Performance with Cellulose Fibers
E1B	0.75	Granite	2012	PFC	PG76-28	24	Granite	Stiff	PFC Design/Construction/Performance with Cellulose Fibers

2012 NCAT Pavement Test Track