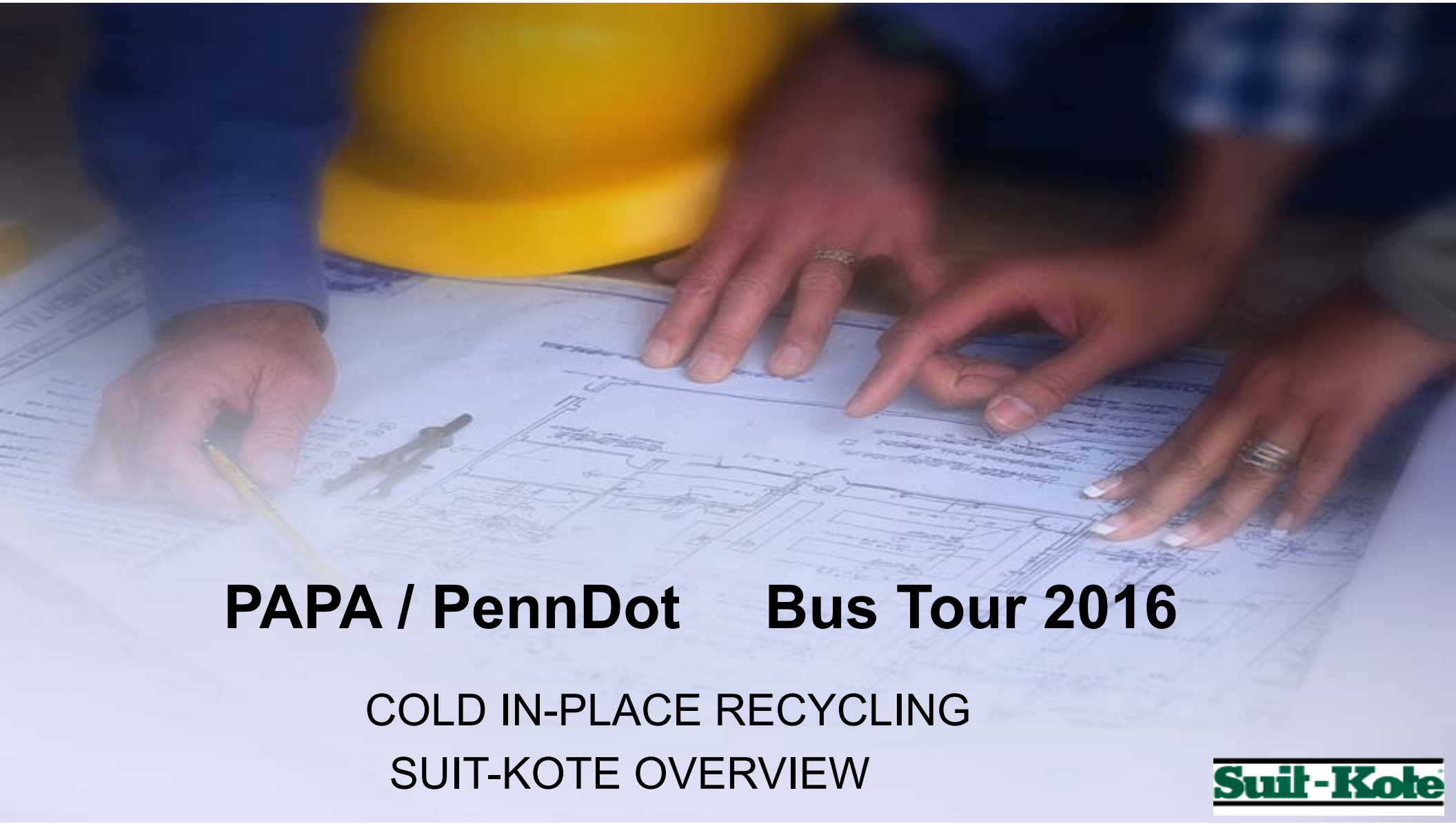

PAPA / PennDot Bus Tour 2016

COLD IN-PLACE RECYCLING

SUIT-KOTE OVERVIEW

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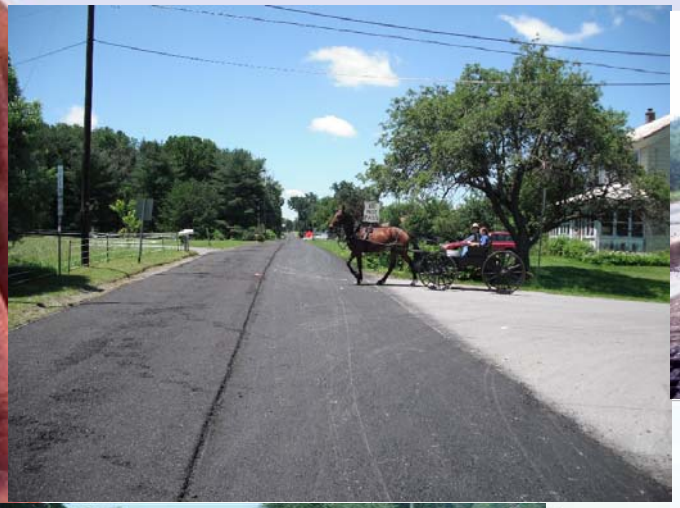
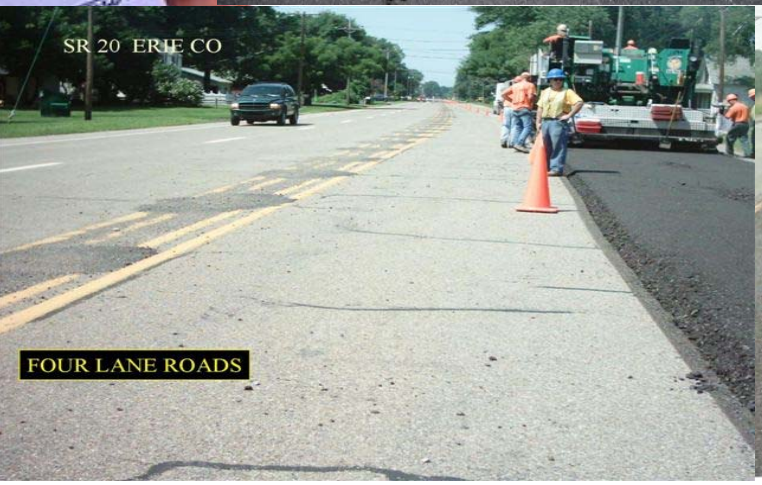
EARLY PROJECTS





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USE OF EMULSION MODIFIERS

- 1. PC GRADED BASE ASPHALT
- 2. POLYMERS
- 3. LATEX ADDITIVES

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STABILITIES WITHOUT MODIFIERS

% MOISTURE	% EMULSION	NUMBER	thickness inches	dry wgt.	wgt. In H2O grams	SSD	Vol.	Gmb	Stability	Flow	Avg. Stab	dry density pcf	Avg density dry PCF	COATINGS
3%	2.0%	1		1000.7	567.3	1040.7	473.4	2.114	2559	10	2509	131.9	131.9	
3%	2.0%	2		1004.4	576.9	1045.8	468.9	2.142	2499	10		133.7		
3%	2.0%	3		1003.3	572.1	1047	474.9	2.112	2475	10		131.8		
3%	3.0%	4		1012.5	571.4	1047.5	476.1	2.136	2383	10	2566	134.5	133.9	
3%	3.0%	5		1011.9	565.8	1042.7	476.9	2.122	2730	10		133.6		
3%	3.0%	6		1022.9	570.7	1044.4	473.7	2.129	2576	10		133.8		
3%	4.0%	7		1011.1	574	1047.9	473.9	2.134	2394	10	2375	133.1	133.0	
3%	4.0%	8		1010.5	570	1275.1	705.1	1.433	1780	10		130.5		
3%	4.0%	9		1009.1	575.1	1049.2	474.1	2.128	2304	10		132.8		
3%	5.0%	10		1028.1	580.8	1064.2	483.4	2.127	2033	10	2015	132.7	132.3	
3%	5.0%	11		1027.3	576.6	1062.3	485.7	2.115	2033	10		132.0		
3%	5.0%	12		1025.3	576.5	1061.3	484.4	2.117	2100	10		132.1		

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STABILITIES WITH MODIFIERS

% MOISTURE	% EMULSION	NUMBER	thickness inches	dry wgt.	wgt. In H2O grams	SSD	Vol.	Gmb	Stability	Flow	Avg. Stab	dry density pcf	Avg density dry PCF	COATINGS
3%	2.5%	1	2.404	996.0	567.4	1009.0	441.6	2.255	5900	10	4675	140.7	138.8	
3%	2.5%	2	2.392	997.9	566.2	1013	446.8	2.233	3813	10		139.4		GOOD
3%	2.5%	3	2.456	991.5	558.8	1013.2	454.4	2.182	4313	10		136.2		
3%	3.0%	4	2.412	998.4	565.5	1015.8	450.3	2.217	4500	10	4875	138.4	137.6	
3%	3.0%	5	2.444	997.3	565.4	1019	453.6	2.199	5938	10		137.2		GOOD
3%	3.0%	6	2.448	998.6	565.1	1019	453.9	2.200	4188	10		137.3		
3%	3.5%	7	2.384	997.8	564.2	1009.8	445.6	2.239	4813	10	4335	139.7	138.0	
3%	3.5%	8	2.452	998.0	558.7	1016.7	458.0	2.179	3630	10		136.0		GOOD
3%	3.5%	9	2.42	997.7	563.7	1013.7	450.0	2.217	4563	10		138.3		
3%	4.0%	10	2.436	995.5	554.7	1010.6	455.9	2.184	2875	10	2713	136.3	136.2	
3%	4.0%	11	2.464	996.1	559.7	1014.7	455.0	2.189	3063	10		136.6		GOOD
3%	4.0%	12	2.44	997.7	559.2	1017.4	458.2	2.177	2202	10		135.9		

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ROLLING PATTERNS

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ROLLING PATTERNS

MINIMAL LATERIAL DISTORTION

SHOULDER PAVING

PICKED UP BY SHOULDER MILLER

SPREAD OUT TO BE PROCESSED

PLACED WITH PAVER

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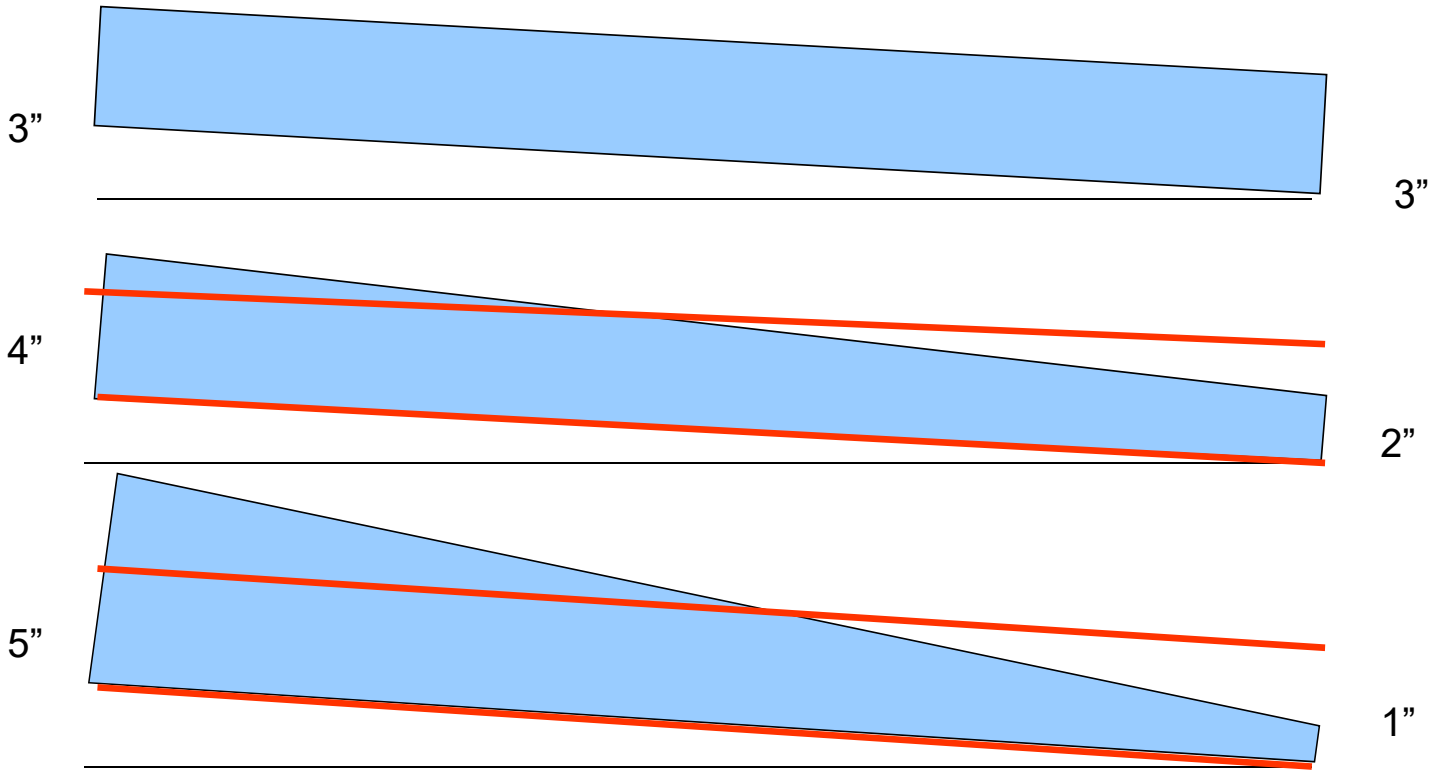
CROSS SLOPE CHANGES



THEY ARE ALL EQUAL IN VOLUME

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SLOT MLLING

Suit-Kote

REFLECTIVE CRACKING

DOING VARIOUS COMBINATION OF THE ABOVE PROCEDURES HELPS THE FLEXIBLE RECYCLED MEMBRANE REDUCE REFLECTIVE CRACKING BY 85-90% .

MANY MUNICIPALITIES ARE SEEING 12-15 YEAR LIFE CYCLES.

SOME EVEN USE 18 YEARS IN THEIR CLC ANALYSIS.

Suit-Kote

ENVIRONMENTAL BENEFITS

NOT ONLY ARE WE REUSING THE EXISTING ASPHALT AND AGGREGATE MATERIAL, WE DO THE ENTIRE PROCESS WITH LESS THAN 700 GALLONS OF FUEL OIL PER CENTER LANE MILE, THUS REDUCING THE CARBON FOOTPRINT OF THIS SIZE OF A HIGHWAY REHABILITATION PROJECT.

THANK YOU.

Suit-Kote