Sustainable SMA in Urban Areas Chicago-Michigan Avenue

Jay Behnke, P.E. President S.T.A.T.E. Testing, LLC Behnke Materials Engineering













2









































Mix Design	Deta	ils	
MIXTURE Quartzite 12.5mm Quartzite 9.5mm FM01 & Mineral Filler RAP < 9.5mm RAS PG 58-28 GTR+12	50% 24% 3.5% 15% 7.5% 6.1%	OIL 0.8% 2.0% 3.3% 6.1%	VOLUMETRICS • N _{DES} = 80 • Voids = 3.5% • VMA = 16.3% • VFA = 78.5%
			25



































