



PAVEMENT MANAGEMENT SYSTEM

PAVEMENT ASSESSMENT (PHASE 1)



Client: Langeberg

28/10/2015

Road Network Reseal Needs

Langeberg

Assessment Date : 2011/05

Recommended Resurfacing	Surfacing	Project	Length to be Resurfaced (km)		Area to be Resurfaced (m ²)		Resurfacing Cost (R)	
	Unit Cost (R/m ²)	Unit Cost (R/m ²)	First Year	Second Year	First Year	Second Year	First Year	Second Year
Asphalt	69.00	132.66	1.3	0.2	15,397	2,443	2,042,492	324,077
13.2mm Single Seal	20.00	38.45	1.6	3.6	14,853	32,563	571,109	1,252,073
9.5mm Single Seal	17.00	32.68	3.9	32.8	29,103	249,803	951,178	8,164,351
Fine Slurry	47.00	90.36	6.8	17.7	43,425	124,866	3,923,854	11,282,807
Coarse Slurry	30.00	57.68	1.9	8.3	15,340	59,697	884,752	3,443,094
Diluted Emulsion (To confirm)	4.00	7.69	2.4	37.9	18,082	256,696	139,053	1,974,032
Mod Binder 13.2mm Single Seal	28.00	53.83	3.0	7.1	28,437	63,589	1,530,795	3,423,065
Mod Binder 9.5mm Single Seal	21.00	40.37	1.5	11.0	13,899	94,965	561,149	3,834,052
Fine Slurry + Mod Binder 13.2mm	75.00	144.19	0.9	2.3	7,875	18,598	1,135,499	2,681,653
Fine Slurry + Mod Binder 9.5mm	67.00	128.81	2.7	4.0	18,962	30,276	2,442,497	3,899,854
Coarse Slurry + Mod Binder 13.2mm	58.00	111.51	1.4	1.7	14,953	14,244	1,667,368	1,588,309
Coarse Slurry + Mod Binder 9.5mm	51.00	98.05	0.5	0.9	3,188	7,297	312,582	715,467
Mill and Replace with Asphalt	101.00	194.18	0.1	2.8	905	18,544	175,730	3,600,807
Totals			28.0	130.4	224,419	973,581	16,338,057	46,183,641