



APPENDIX E



ANALYSIS OF CLASS II COLDMIX ROADS OVERLAID IN 2008 AND 2009



APPENDIX E: ANALYSIS OF CLASS II COLDMIX ROADS OVERLAID IN 2008 AND 2009

CLASS II COLDMIX ROADS OVERLAID IN 2009 WITH THEIR 2008 CONDITION RATINGS																
Road Segment Name	Road	From	To	SurfaceType	Length(km)	Width(m)	Year of Rating	2008 Surface Failure (%)	2008 Base Failure (%)	2008 Patch (%)	2008 Crown Rating	2008 Unbound Surface (%)	2008 Surface Rating	2008 Weighted Sort	Year of Coldmix Overlay	Years Previous Overlay
213-550	213	550	552	2	3.2	6.9	2008	5	3	20	2	0	2	3.00	2001	8
214-520	214	520	522	2	3.2	6.5	2008	1	1	3	1	0	1	0.59	2003	6
215-510	215	510	H14	2	3.2	6.4	2008	5	30	5	3	0	2	6.75	2003	6
220-510	220	510	H14	2	3.2	6.6	2008	15	20	35	2	0	2	9.65	2003	6
221-221A	221	221A	520	2	2.4	6.3	2008	5	10	10	2	0	1	3.60	1996	13
221A514	221A	514	221	2	0.9	7.8	2008	0	0	0	2	0	1	0.00	2005	4
223-H16	223	H16	534	2	3.2	6.2	2008	3	5	58	2	0	2	3.30	2006	3
223-522	223	522	WYE	2	3.2	7.2	2008	2	10	5	2	0	1	2.36	2003	6
224-510	224	510	512	2	3.2	6.5	2008	4	4	20	2	0	2	2.77	2000	9
225-520	225	520	522	2	3.2	7.8	2008	1	40	3	2	0	2	6.69	2005	4
231-512	231	512	514	2	3.2	6.5	2008	2	1	15	2	0	2	1.46	2003	6
510-231	510	231	232	2	1.6	6.5	2008	2	1	5	2	0	2	1.26	2003	6
512-222	512	222	223	2	1.6	6.8	2008	20	30	12	2	0	2	12.59	2000	9
520-212A	520	212A	213	1	0.8	9	2008	1	5	25	2	0	2	1.88	2001	8
544-205	544	205	210	2	1.6	6.3	2008	2	2	6	1	0	2	1.43	2001	8
544-220	544	220	221	2	1.6	6.7	2008	5	10	21	2	0	2	4.07	2000	9
Count								16	16	16		16	16	16	16	
Min								0	0	0		0	1	0	1996	3
Max								20	40	58		0	2	12.59	2006	13
Average								4.6	10.8	15.2		0.0	1.8	3.8	2002.1	6.9

CLASS II COLDMIX ROADS OVERLAID IN 2008 WITH THEIR 2007 CONDITION RATINGS																
Road Segment Name	Road	From	To	SurfaceType	Length(km)	Width(m)	Year of Rating	2007 Surface Failure (%)	2007 Base Failure (%)	2007 Patch (%)	2007 Crown Rating	2007 Unbound Surface (%)	2007 Surface Rating	2007 Weighted Sort	Year of Coldmix Overlay	Years Previous Overlay
205-515	205	515	WYE	2	1.6	7.3	2007	3	2	5	3	0	3	2.04	2000	8
211-524	211	524	530	2	3.2	7.5	2007	6	5	12	2	0	2	3.52	1999	9
211-H16	211	H16	534	2	3.2	6.5	2007	7	5	20	2	0	1	3.81	1999	9
212-524	212	524	524N	2	1.5	6.8	2007	4	3	12	2	0	2	2.46	1999	9
212-544	212	544	550	2	3.2	6.4	2007	1	2	30	0	0	1	1.28	1998	10
214-510	214	510	H14	2	3.2	7.2	2007	3	1	25	0	0	2	2.04	2000	8
221-534	221	534	540	2	3.2	6.5	2007	1	2	31	2	0	2	1.55	1997	11
221-540	221	540	542	2	3.2	6	2007	2	4	20	1	0	1	1.76	1999	9
223-530	223	530	H16	2	3.2	6	2007	1	13	5	0	0	2	2.68	1999	9
223-540	223	540	542	2	3.4	6	2007	2	10	23	2	0	3	3.22	2002	6
225-522	225	522	WYE	2	3.2	7	2007	2	2	3	2	0	2	1.37	1997	11
225-530	225	530	H16	2	3.2	6.5	2007	10	7	22	0	0	4	6.04	2001	7
512-203	512	203	204	2	1.1	7.9	2007	1	2	5	2	0	2	1.03	1996	12
540-211	540	211	212	2	1.6	6.6	2007	5	20	20	2	0	2	5.55	1999	9
544-211	544	211	212	2	1.6	5.8	2007	2	10	20	2	0	2	2.91	1998	10
H16S222	SH16	222	223	2	1.6	7.9	2007	11	11	35	1	0	2	6.78	2001	7
Count								16	16	16		16	16	16	16	
Min								1	1	3		0	1	1.03	1996	6
Max								11	20	35		0	4	6.78	2002	12
Average								3.8	6.2	18.0		0.0	2.1	3.0	1999.0	9.0

Weighted Sort = 0.38*%Surface Failure + 0.15*%Base Failure + 0.02*%Surface Patching + 0.25*(Surface Rating - 1)
 Surface Rating: 1 = Excellent through 5 = Very Poor