

APPENDIX D Traffic Count Data and DMRB Assessment for Stotfield Road

Detailed Information for Site Number 20031119-B9135

Name : Stotfield Road, Loss

Description : Outside Carloway

No. of Lanes = 2 Sensors =

Originator Node : Muirton Rd Destination Node : Tulloch's

Link Length :

Grid Ref. : 32248705 Gradient :

Telephone Number : Baud Rate :

Speed Limit = 30mph Discretion =

AADT = ESAL =

Channel	Description	Direction
1		
2		
3		
4		
5		
6		
7		
8		

Field 1:

Field 2:

Field 3:

Field 4:

Field 5:

85%tile Speed Wednesday
Averaged from 26/11/03 to 26/11/03

Speed (MPH)

Hour End	15% tile	50% tile	85% tile	Flow
1:00	26	30	40	8
2:00	29	34	46	4
3:00	22	30	37	7
4:00	28	34	47	3
5:00	32	34	36	4
6:00	29	34	46	8
7:00	26	32	37	37
8:00	26	32	39	104
9:00	26	31	36	190
10:00	26	31	36	181
11:00	24	29	36	159
12:00	25	30	35	189
13:00	26	30	36	205
14:00	25	31	36	180
15:00	26	30	36	199
16:00	25	30	35	190
17:00	25	29	35	224
18:00	26	30	36	221
19:00	26	31	36	174
20:00	26	31	36	136
21:00	27	32	37	93
22:00	27	31	36	79
23:00	26	31	36	62
24:00	27	31	37	29

(Not alldates are included - See audit sheet)

Daily Speed Wednesday

Averaged from 26/11/03 to 26/11/03

Speed (MPH)

Hour End	0 - 9	9 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 50	50 - 56	56 - 62	62 - 68	68 - 75	75-621	Total	Mean Speed	Std. Dev.
1:00	0	0	0	5	1	2	0	0	0	0	0	0	8	32	6
2:00	0	0	0	1	2	0	1	0	0	0	0	0	4	36	8
3:00	0	0	2	2	2	0	1	0	0	0	0	0	7	31	9
4:00	0	0	0	1	1	0	1	0	0	0	0	0	3	36	9
5:00	0	0	0	0	4	0	0	0	0	0	0	0	4	34	0
6:00	0	0	0	2	4	0	2	0	0	0	0	0	8	36	7
7:00	0	2	2	11	18	4	0	0	0	0	0	0	37	31	6
8:00	1	4	3	39	37	16	4	0	0	0	0	0	104	32	7
9:00	0	3	10	84	83	10	0	0	0	0	0	0	190	31	5
10:00	0	3	16	70	79	10	3	0	0	0	0	0	181	31	5
11:00	0	10	16	74	48	10	1	0	0	0	0	0	159	29	6
12:00	1	6	11	102	61	6	2	0	0	0	0	0	189	30	5
13:00	0	2	12	100	79	9	2	1	0	0	0	0	205	31	5
14:00	0	5	17	74	67	13	2	1	1	0	0	0	180	31	6
15:00	0	1	15	99	67	15	1	0	1	0	0	0	199	31	5
16:00	2	6	13	95	68	6	0	0	0	0	0	0	190	29	6
17:00	0	7	22	114	74	7	0	0	0	0	0	0	224	29	5
18:00	0	5	15	109	75	14	2	0	0	1	0	0	221	30	6
19:00	1	6	10	71	76	7	2	1	0	0	0	0	174	31	6
20:00	0	1	5	66	50	13	1	0	0	0	0	0	136	31	5
21:00	0	0	4	33	44	12	0	0	0	0	0	0	93	32	5
22:00	0	0	0	41	33	5	0	0	0	0	0	0	79	31	4
23:00	0	1	2	29	25	3	1	1	0	0	0	0	62	31	6
24:00	0	0	0	15	11	2	1	0	0	0	0	0	29	32	5
12 Hour	5	58	160	1031	814	123	19	3	2	1	0	0	2216	30	6
16 Hour	5	61	171	1182	959	157	20	3	2	1	0	0	2561	30	6
18 Hour	5	62	173	1226	995	162	22	4	2	1	0	0	2652	30	6
24 Hour	5	62	175	1237	1009	164	27	4	2	1	0	0	2686	31	6

(Not alldates are included - See audit sheet)

85%tile Speed Thursday
Averaged from 20/11/03 to 20/11/03

Speed (MPH)

Hour End	15% tile	50% tile	85% tile	Flow
1:00	26	31	39	19
2:00	31	36	43	15
3:00	30	35	41	6
4:00	34	39	44	6
5:00	21	34	41	3
6:00	31	35	43	7
7:00	26	32	37	28
8:00	26	33	38	114
9:00	26	32	37	173
10:00	26	31	36	155
11:00	25	30	36	153
12:00	26	30	36	156
13:00	26	30	36	216
14:00	24	29	35	215
15:00	24	29	36	223
16:00	24	29	35	210
17:00	24	28	34	248
18:00	26	30	36	226
19:00	26	32	36	180
20:00	26	31	36	136
21:00	26	31	36	101
22:00	26	31	37	95
23:00	27	33	39	64
24:00	27	32	36	27

(Not all dates are included - See audit sheet)

Daily Speed Thursday

Averaged from 20/11/03 to 20/11/03

Speed (MPH)

Hour End	0 - 9	9 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 50	50 - 56	56 - 62	62 - 68	68 - 75	75-621	Total	Mean Speed	Std. Dev.
1:00	0	0	1	9	5	4	0	0	0	0	0	0	19	32	6
2:00	0	0	0	2	7	4	2	0	0	0	0	0	15	37	6
3:00	0	0	0	1	3	2	0	0	0	0	0	0	6	35	5
4:00	0	0	0	0	2	3	1	0	0	0	0	0	6	39	5
5:00	0	0	1	0	1	1	0	0	0	0	0	0	3	32	9
6:00	0	0	0	1	4	1	1	0	0	0	0	0	7	36	6
7:00	0	2	0	11	11	4	0	0	0	0	0	0	28	31	7
8:00	0	6	3	36	50	18	1	0	0	0	0	0	114	32	6
9:00	0	4	11	63	76	18	0	1	0	0	0	0	173	31	6
10:00	0	1	13	68	63	10	0	0	0	0	0	0	155	31	5
11:00	0	6	14	69	52	11	1	0	0	0	0	0	153	30	6
12:00	0	3	7	85	52	9	0	0	0	0	0	0	156	30	5
13:00	2	0	16	107	68	21	2	0	0	0	0	0	216	31	6
14:00	0	7	32	98	65	10	3	0	0	0	0	0	215	29	6
15:00	0	4	36	109	55	18	1	0	0	0	0	0	223	29	6
16:00	0	3	34	108	53	11	1	0	0	0	0	0	210	29	5
17:00	0	6	37	139	54	11	1	0	0	0	0	0	248	29	5
18:00	0	7	15	104	78	20	1	1	0	0	0	0	226	31	6
19:00	0	5	4	75	83	13	0	0	0	0	0	0	180	31	5
20:00	0	1	8	64	55	6	1	0	1	0	0	0	136	31	5
21:00	0	0	3	48	42	8	0	0	0	0	0	0	101	31	4
22:00	0	3	6	39	35	10	2	0	0	0	0	0	95	31	6
23:00	0	0	1	24	25	13	1	0	0	0	0	0	64	33	5
24:00	0	0	0	12	14	1	0	0	0	0	0	0	27	32	4
12 Hour	2	52	222	1061	749	170	11	2	0	0	0	0	2269	30	6
16 Hour	2	58	239	1223	892	198	14	2	1	0	0	0	2629	30	6
18 Hour	2	58	240	1259	931	212	15	2	1	0	0	0	2720	30	6
24 Hour	2	58	242	1272	953	227	19	2	1	0	0	0	2776	30	6

(Not alldates are included - See audit sheet)

85%tile Speed
Averaged from 27/11/03 to 03/12/03

Speed (MPH)

Hour End	15% tile	50% tile	85% tile	Flow
1:00	27	33	40	19
2:00	27	34	42	15
3:00	24	28	32	14
4:00	25	31	35	7
5:00	29	32	37	2
6:00	25	32	42	7
7:00	26	32	40	23
8:00	26	32	38	87
9:00	25	30	37	146
10:00	25	31	37	155
11:00	25	30	35	169
12:00	25	30	35	189
13:00	25	30	35	213
14:00	25	30	35	212
15:00	25	29	35	204
16:00	24	29	35	215
17:00	24	29	35	204
18:00	25	30	36	199
19:00	26	30	36	175
20:00	25	30	36	143
21:00	25	30	36	95
22:00	26	30	37	82
23:00	26	32	37	70
24:00	26	32	39	38

(Not all dates are included - See audit sheet)

7 Day Volumetric With Peaks
Averaged from 27/11/03 to 03/12/03

Day

Hour End	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Working Week	Total
1:00	34	11	9	11	17	8	40	11	19
2:00	26	4	7	6	6	8	46	6	15
3:00	45	0	1	3	1	2	43	1	14
4:00	16	0	2	2	7	1	24	2	7
5:00	1	2	2	0	3	2	1	2	2
6:00	2	6	9	7	7	7	11	7	7
7:00	8	25	35	25	28	28	14	28	23
8:00	17	107	113	112	114	110	36	111	87
9:00	43	161	181	171	208	176	79	179	146
10:00	71	181	154	179	182	200	115	179	155
11:00	153	173	178	171	184	162	159	174	169
12:00	131	189	178	187	202	214	219	194	189
13:00	184	223	204	249	223	232	173	226	213
14:00	169	209	199	213	234	247	215	220	212
15:00	179	207	182	171	218	251	221	206	204
16:00	187	203	222	212	249	244	187	226	215
17:00	178	234	208	212	218	231	146	221	204
18:00	132	216	218	216	223	200	185	215	199
19:00	144	148	181	172	185	162	231	170	175
20:00	115	139	137	131	142	126	210	135	143
21:00	84	53	88	83	113	113	132	90	95
22:00	64	76	78	104	83	78	88	84	82
23:00	51	58	86	63	69	83	83	72	70
24:00	26	23	38	31	31	63	52	37	38
12 Hour	1588	2251	2218	2265	2440	2429	1966	2321	2165
16 Hour	1859	2544	2556	2608	2806	2774	2410	2658	2508
18 Hour	1936	2625	2680	2702	2906	2920	2545	2767	2616
24 Hour	2060	2648	2710	2731	2947	2948	2710	2797	2679
AM Peak	11:00	12:00	9:00	12:00	9:00	12:00	12:00		
PM Peak	16:00	17:00	16:00	13:00	16:00	15:00	19:00		

(Not all dates are included - See audit sheet)

85%tile Speed
Averaged from 20/11/03 to 26/11/03

Speed (MPH)

Hour End	15% tile	50% tile	85% tile	Flow
1:00	26	32	39	19
2:00	27	33	43	16
3:00	29	33	37	12
4:00	27	33	39	6
5:00	27	35	40	3
6:00	28	34	42	8
7:00	22	32	37	24
8:00	26	32	38	90
9:00	25	31	37	151
10:00	25	30	36	148
11:00	23	29	35	159
12:00	24	29	35	168
13:00	25	30	35	207
14:00	25	30	35	207
15:00	25	29	35	211
16:00	24	29	35	219
17:00	25	29	35	213
18:00	25	30	36	201
19:00	26	31	36	150
20:00	26	30	36	134
21:00	27	32	37	90
22:00	26	31	37	72
23:00	26	32	38	60
24:00	26	32	37	31

(Not alldates are included - See audit sheet)

7 Day Volumetric With Peaks
Averaged from 20/11/03 to 26/11/03

Hour End	Day							Working Week	Total
	Sun	Mon	Tue	Wed	Thu	Fri	Sat		
1:00	27	11	13	8	19	14	38	13	19
2:00	32	4	3	4	15	10	47	7	16
3:00	31	1	1	7	6	1	35	3	12
4:00	6	3	2	3	6	3	20	3	6
5:00	2	2	5	4	3	3	2	3	3
6:00	2	7	11	8	7	9	9	8	8
7:00	6	22	35	37	28	31	11	31	24
8:00	16	120	127	104	114	114	37	116	90
9:00	36	176	196	190	173	194	92	186	151
10:00	59	156	184	181	155	180	120	171	148
11:00	152	177	166	159	153	153	150	162	159
12:00	135	155	196	189	156	182	163	176	168
13:00	178	201	210	205	216	221	221	211	207
14:00	184	176	219	180	215	237	240	205	207
15:00	206	195	188	199	223	229	236	207	211
16:00	221	198	266	190	210	233	214	219	219
17:00	193	197	223	224	248	242	162	227	213
18:00	136	226	233	221	226	199	165	221	201
19:00	107	151	139	174	180	166	132	162	150
20:00	120	116	130	136	136	158	139	135	134
21:00	68	79	89	93	101	108	93	94	90
22:00	45	67	70	79	95	81	64	78	72
23:00	25	59	57	62	64	90	60	66	60
24:00	11	32	29	29	27	47	44	33	31
12 Hour	1623	2128	2347	2216	2269	2350	1932	2262	2124
16 Hour	1862	2412	2671	2561	2629	2728	2239	2600	2443
18 Hour	1898	2503	2757	2652	2720	2865	2343	2699	2534
24 Hour	1998	2531	2792	2686	2776	2905	2494	2738	2597
AM Peak	11:00	11:00	9:00	9:00	9:00	9:00	12:00		
PM Peak	16:00	18:00	16:00	17:00	17:00	17:00	14:00		

(Not all dates are included - See audit sheet)

DMRB: Assessment of Local Air Quality

INPUT SHEET

Step 1	Receptor name	Stotfield Road	Receptor number	1
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Step 6

Step 2	Year	2004
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Step 7

Step 3	Number of links	1
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Step 4	Background concentrations for 2004					
	CO (mg/m ³)	Benzene (mg/m ³)	1,3-butadiene (mg/m ³)	NO _x (mg/m ³)	NO ₂ (mg/m ³)	PM ₁₀ (mg/m ³)
	0	0.05	0	0	10	0

[illegible]

