



A18/A180 Link - revised link lengths

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*****
*
*      CCC      000      BBBB      AAA      *
*      C  C      O  O      B  B      A  A      *
*      C          O  O      B  B      A  A      *
*      C          O  O      BBBB     AAAAA    *
*      C          O  O      B  B      A  A      *
*      C  C      O  O      B  B      A  A      *
*      CCC      000      BBBB     A  A      *
*
*****
*      DEPARTMENT FOR TRANSPORT,
*
*      INTEGRATED TRANSPORT ECONOMICS AND
*      APPRAISAL DIVISION,
*      GREAT MINSTER HOUSE
*      76 MARSHAM STREET, LONDON SW1P 4DR
*
*****
*      C O B A 11 R10 GENERATED 09-JUL-2008
*
*****

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*****
*
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*
*****

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THE OUTPUT PRINTING OPTIONS ARE LISTED BELOW
* DENOTES SELECTION FOR THIS RUN

(IF AN ACCIDENT ONLY ANALYSIS IS CHOSEN THEN NOT ALL PHASES WILL BE PRESENT)

- PHASE 1 * LISTING OF DATA LINES
- PHASE 2 * SUMMARY OF BASIC DATA
- PHASE 3 * BASIC DATA - ACCIDENTS
- PHASE 4 * NETWORK STRUCTURE AND RE-STRUCTURING

A180V2.PRN
AND SCHEME COSTS

- PHASE 5 * SUMMARY OF LINK DATA AND TRAFFIC FLOWS
- PHASE 6 * JUNCTION DATA AND TURNING MOVEMENTS
- PHASE 7 * RECLASSIFICATIONS AND RESPECIFICATIONS
- PHASE 8 * JOURNEY TIME - LINKS AND JUNCTIONS
- PHASE 9 * OVERCAPACITY REPORTS
- PHASE 10 * CHANGES IN TOTAL VEHICLE-KILOMETRES
- PHASE 11 * LINK COST TABLES
- PHASE 12 * JUNCTION COST TABLES
- PHASE 13 * ACCIDENT COST AND NUMBERS TABLES
- PHASE 14 * COSTS SPLIT BY VEHICLE CATEGORY AND BY FLOW GROUP
- PHASE 15 * LINK TRANSIT COSTS BY YEAR
- PHASE 16 * MAINTENANCE ANALYSIS ANALYSIS OF EXPENDITURE AND BENEFITS
- PHASE 20 * COMPULSORY PRINTING SUMMARY OF ERRORS AND WARNINGS

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LINE	*----- LINE CONTENTS -----*																	
1	GENERAL TITLE A18/A180 Link - revised link lengths																	
2	PRINT PHASE	DCO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	YEARS FOR THIS SCHEME - FIRST			LAST			PRES-VAL			JOURNEY TIME								
4	2011																	
5	NTWRK CLASSIFICATION	TF-PERIOD	TF-YEAR			TF-MONTH	ACCIDENTS	TIDALITY										
6	TNB		12HR			2011		10		ACC								
7	OPTIONS	TRAFFIC	ECONOMIC			FUELCOST												
8	DEFL		DEFL			DEFL												
9	SEASONALITY	INDEX	E-FACTOR			M-FACTOR												
10	0.96		1.15			380												
11	TRAFFIC PROPNS	YEAR	PER	CAT-1		CAT-2		CAT-3		CAT-4		CAT-5		CAT-6				
12	2006		24	0.828		0.122		0.029		0.016		0.005						
13	END OF BASIC DATA																	
14	SCHEME TITLE	Do-Minimum																
15	NODE-LINK DATA	NODE	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK	LINK
16	220		1															
17	601		2		3		4											
18	602		2		6		5											
19	603		3															
20	620		7		9		8											
21	624		11		14		13											
22	655		15															
23	656		17		16		15											

24	662	7			
25	925	18	19	5	
26	926	18	20	21	
27	927	23	20	22	19
28	928	25	22	24	
29	929	26	28	27	
30	930	32	30	31	29
31	931	33	29		
32	932	36	34	35	
33	933	38	33	37	
34	934	39	40	41	37
35	935	42	43	44	
36	936	42	45	39	
37	937	47	45	46	
38	938	49	38	48	
39	939	52	51	50	
40	940	53	54	55	
41	941	57	53	56	
42	942	58	59	56	60
43	943	58	61	62	
44	944	64	65	63	
45	945	61	66	67	
46	952	59	68		
47	953	70	26	69	
48	954	27	71		
49	955	72	71	73	
50	956	74	30	72	
51	957	75	74	73	

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LINE	*----- LINE CONTENTS -----*				
52	958	43	40	76	
53	959	6	77	28	
54	960	77			
55	2001	78			
56	2002	80	79	78	
57	2003	48	81	82	
58	2005	54	50	79	
59	2006	83	84	85	
60	2007	87	86	83	
61	2008	80	86		
62	2009	88			

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63	2010	88	89	46
64	2011	41	91	90
65	2012	90	92	93
66	2013	94	91	
67	2015	94		
68	2016	95	96	
69	2017	89	44	97
70	2018	97		
71	2024	66	98	55
72	2025	98		
73	2026	47	85	
74	6021	99	4	
75	6041	100		
76	6201	102	101	
77	6202	105	104	9
78	6203	10		
79	6204	110	109	108
80	6205	111	16	108
81	6206	103		
82	6207	110	112	106
83	6208	112	1	107
84	6209	114	113	
85	6241	57	116	
86	6242	117	105	11
87	6243	119		
88	6244	12	122	
89	6245	115		
90	6246	120	118	
91	9261	124	21	17
92	9262	124		
93	9271	68	125	23
94	9272	125		
95	9291	70		
96	9292	126	24	75
97	9293	126		
98	9301	31		
99	9302	32		
100	9321	128	127	93
101	9322	129	14	
102	9323	35	129	130

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LINE *----- LINE CONTENTS -----*
103          9324  36  95
104          9325 131 128
105          9351  76
106          9421  60
107          9431  62
108          9432  67
109          9441 133 132  63
110          9442 132
111          9443  81 134 133
112          9444 134
113          9445 137  49 135
114          9446  82 139 138
115          9447 141 138 140
116          9448 142  64 140
117          9449 135
118          9450 139
119          9451 141
120          9452 142
121          9453  65 143  51
122          9454 143
123          9455  87 144  52
124          9456 144
125          9501 146 145  96
126          9502 147 148 145
127          9503 147
128          9504 100  99 149
129          9505 149 150 151
130          9506 153 150 152 148
131          9507 152
132          9508 153 151 154
133          9509 154
134          9510 146
135          9645 137  25
136  9999
137  END OF NODE-LINK DATA +++++
138  FLOW ON      LINK  VMG1  VMG2  VMG3 INTO NODE
139              1   4169
140              2  13531
141              3  12660
142              4   2581
143              5   4544

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144	6	10615
145	7	25862
146	8	2679
147	9	20328
148	10	2861
149	11	14899
150	12	2146
151	13	2208
152	14	19250
153	15	15492

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LINE *----- LINE CONTENTS -----*

154	16	10736
155	17	12958
156	18	1289
157	19	3239
158	20	6243
159	21	7540
160	22	7708
161	23	3970
162	24	2459
163	25	7626
164	26	7850
165	27	4175
166	28	9345
167	29	5689
168	30	5302
169	31	10
170	32	2067
171	33	5134
172	34	8433
173	35	15733
174	36	24166
175	37	6947
176	38	4549
177	39	15064
178	40	4969
179	41	21075
180	42	1608
181	43	1651
182	44	57

183	45	16662
184	46	15377
185	47	10961
186	48	9531
187	49	7697
188	50	7605
189	51	9939
190	52	3534
191	53	12265
192	54	12308
193	55	5765
194	56	6292
195	57	16270
196	58	4481
197	59	1358
198	60	3191
199	61	3870
200	62	1839
201	63	2090
202	64	7540
203	65	7998
204	66	3151

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LINE	*----- LINE CONTENTS -----*	
205	67	2850
206	68	1358
207	69	1236
208	70	9088
209	71	5414
210	72	3672
211	73	1733
212	74	1622
213	75	3353
214	76	6616
215	77	1286
216	78	6934
217	79	7551
218	80	7931
219	81	2557
220	82	9011

221	83	6873
222	84	4088
223	85	10961
224	86	3843
225	87	3113
226	88	13576
227	89	2654
228	90	19497
229	91	2862
230	92	1213
231	93	20717
232	94	4075
233	95	32933
234	96	32949
235	97	2702
236	98	5597
237	99	853
238	100	10
239	101	752
240	102	1925
241	103	3191
242	104	3295
243	105	26811
244	106	1851
245	107	1008
246	108	6166
247	109	544
248	110	7379
249	111	2647
250	112	2698
251	113	2821
252	114	472
253	115	7669
254	116	8602
255	117	5460

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LINE	*-----	LINE CONTENTS	-----*
256	118	6461	
257	119	7607	
258	120	2146	
259	122	5460	

260	124	6712
261	125	2671
262	126	2249
263	127	1769
264	128	10515
265	129	17487
266	130	1754
267	131	8761
268	132	2090
269	133	10
270	134	2557
271	135	624
272	137	7626
273	138	9168
274	139	166
275	140	8651
276	141	1086
277	142	2330
278	143	3144
279	144	1184
280	145	27984
281	146	5803
282	147	27603
283	148	383
284	149	857
285	150	10
286	151	470
287	152	140
288	153	248
289	154	719

290 9999

291	RURAL ROAD LINK	C	AT	DES	LENGTH	CWID	HILLS	DOWN	BEND	SWID	VWID	JUNC	VISI	MAXS
292		2	1	4	0.05									
293		3	1	4	1.3									
294		5	1	4	0.49									
295		6	1	4	2.46									
296		7	2	11	1.95									
297		9	2	11	0.1									
298		11	2	11	0.2									
299		13	2	11	0.1									
300		14	2	11	5.9									
301		20	1	9	1.76									
302		22	1	9	1.13									

303	25	1	9	0.3
304	28	1	4	0.85
305	30	1	9	2.68
306	31	1	9	0.05

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LINE	*-----*			LINE CONTENTS	*-----*		
307	32	1	9	0.05			
308	34	2	11	0.1			
309	35	2	11	0.05			
310	36	2	11	0.05			
311	37	1	9	1.76			
312	39	2	11	1.03			
313	41	1	5	0.87			
314	45	2	11	1.27			
315	46	1	4	0.25			
316	47	2	11	1.32			
317	49	1	9	0.15			
318	53	1	5	1.38			
319	56	1	9	0.39			
320	57	1	5	1.06			
321	59	1	9	2.32			
322	61	1	9	0.2			
323	66	1	9	1.2			
324	72	1	9	0.05			
325	76	1	9	0.1			
326	90	1	5	0.05			
327	91	1	4	0.05			
328	92	1	4	0.05			
329	93	1	5	1.9			
330	94	1	4	0.05			
331	95	2	11	0.1			
332	96	2	11	9.07			
333	99	1	4	9.52			
334	100	1	4	9.55			
335	105	2	11	4.05			
336	117	2	11	0.1			
337	118	2	11	0.1			
338	127	2	11	0.1			
339	129	2	11	0.1			
340	130	2	11	0.1			

341	131	2	11	0.1
342	137	1	9	2.12
343	145	2	11	10.67
344	146	2	11	0.5
345	147	2	11	0.5
346	148	1	4	16.85
347	150	1	4	13.64
348	152	1	4	0.5
349	154	1	9	0.5

350 99999

351	URBAN	ROAD	LINK	C	AT	S/D	LENGTH	WIDTH	HILLS	VOBS	DEVEL	INT	QOBS
352			1	8	4	1	2						
353			4	8	4	1	0.05						
354			8	8	4	1	0.05						
355			10	8	4	1	0.05						
356			12	8	4	1	0.1						
357			15	8	4	1	0.19						

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LINE	*-----*	LINE CONTENTS	-----*
358		16 8 4 1 1.24	
359		17 8 4 1 1.54	
360		18 8 4 1 2.96	
361		19 8 4 1 2.96	
362		21 8 4 1 0.5	
363		23 8 4 1 0.2	
364		24 8 4 1 3	
365		26 8 4 1 0.03	
366		27 8 4 1 0.02	
367		29 8 4 1 2.04	
368		33 8 4 1 1.2	
369		38 8 4 1 2.18	
370		40 8 4 1 2.38	
371		42 8 4 1 2.4	
372		43 8 4 1 0.68	
373		44 8 4 1 3.27	
374		48 8 4 1 0.02	
375		50 8 4 1 0.44	
376		51 8 4 1 0.15	
377		52 8 4 1 0.21	
378		54 8 4 1 0.62	
379		55 8 4 1 1.6	

380	58	8	4	1	1.29
381	60	8	4	1	1.8
382	62	8	4	1	0.05
383	63	8	4	1	0.36
384	64	8	4	1	0.33
385	65	8	4	1	0.4
386	67	8	4	1	0.05
387	68	8	4	1	1.4
388	69	8	4	1	0.04
389	70	8	4	1	2.5
390	71	8	4	1	0.08
391	72	8	4	1	0.05
392	73	8	4	1	0.04
393	74	8	4	1	0.04
394	75	8	4	1	0.45
395	77	8	4	1	0.1
396	78	8	4	1	0.05
397	79	8	4	1	0.1
398	80	8	4	1	0.5
399	81	8	4	1	0.43
400	82	8	4	1	0.18
401	83	8	4	1	0.12
402	84	8	4	1	0.05
403	85	8	4	1	0.51
404	86	8	4	1	0.06
405	87	8	4	1	0.13
406	88	8	4	1	0.05
407	89	8	4	1	0.5
408	97	8	4	1	0.05

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LINE	*----- LINE CONTENTS -----*				
409	98	8	4	1	0.05
410	103	8	4	1	0.05
411	104	8	4	1	0.05
412	108	8	4	1	0.01
413	110	8	4	1	0.05
414	112	8	4	1	0.01
415	124	8	4	1	0.1
416	125	8	4	1	0.1
417	126	8	4	1	0.1

418 132 8 4 1 0.05
 419 133 8 4 1 1
 420 134 8 4 1 0.05
 421 135 8 4 1 0.05
 422 138 8 4 1 0.29
 423 139 8 4 1 0.05
 424 140 8 4 1 0.08
 425 141 8 4 1 0.05
 426 142 8 4 1 0.05
 427 143 8 4 1 0.05
 428 144 8 4 1 0.05
 429 149 8 4 1 11.2
 430 151 8 4 1 27.19
 431 153 8 4 1 18.14

432 99999

433 END OF SCHEME DATA =====

434 SCHEME TITLE GREYHOUND Do-Something

435 DELETE THE FOLLOWING LINKS AND/OR NODES

436 119

437 137

438 9999

CARD 438 IS INSERTED

BY COBA

439 LINKS TO BE ADDED LINK JOINS NODE TO NODE
 440 121 6243 9643
 441 123 9643 6244
 442 136 9445 9644
 443 155 9644 9643
 444 156 9645 9644

445 99999

446 END OF NODE-LINK DATA

447 FLOW ON LINK VMG1 VMG2 VMG3 INTO NODE
 448 1 4169
 449 2 12196
 450 3 11266
 451 4 2615
 452 5 4803
 453 6 7725
 454 7 28445
 455 8 1660
 456 9 25111
 457 10 1663
 458 11 14238
 459 12 3612

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LINE	*-----	LINE CONTENTS	-----*
460		13 2893	
461		14 20739	
462		15 14008	
463		16 8175	
464		17 9372	
465		18 480	
466		19 4329	
467		20 3575	
468		21 4065	
469		22 6127	
470		23 2972	
471		24 6543	
472		25 12235	
473		26 6809	
474		27 4357	
475		28 6773	
476		29 3269	
477		30 3863	
478		31 10	
479		32 2063	
480		33 2721	
481		34 7811	
482		35 17711	
483		36 25518	
484		37 5428	
485		38 4366	
486		39 15320	
487		40 4985	
488		41 18586	
489		42 1590	
490		43 1633	
491		44 57	
492		45 16902	
493		46 15375	
494		47 11041	
495		48 8281	
496		49 8909	
497		50 3686	
498		51 5816	
499		52 3462	

500 53 11868
501 54 9775
502 55 5377
503 56 7664
504 57 18466
505 58 4865
506 59 350
507 60 3191
508 61 3571
509 62 1839
510 63 2090

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LINE	*-----	LINE CONTENTS	-----*
511	64	4574	
512	65	3863	
513	66	1962	
514	67	2850	
515	68	350	
516	69	2276	
517	70	9086	
518	71	6633	
519	72	2929	
520	73	3703	
521	74	934	
522	75	4637	
523	76	6616	
524	77	953	
525	78	6934	
526	79	7623	
527	80	8088	
528	81	2557	
529	82	7451	
530	83	6837	
531	84	4204	
532	85	11041	
533	86	3884	
534	87	3018	
535	88	13576	
536	89	2656	
537	90	17024	

538	91	2880
539	92	1195
540	93	18219
541	94	4075
542	95	32899
543	96	32915
544	97	2702
545	98	5595
546	99	890
547	100	10
548	101	699
549	102	971
550	103	3059
551	104	3156
552	105	31334
553	106	676
554	107	988
555	108	4709
556	109	566
557	110	5974
558	111	2493
559	112	2675
560	113	2630
561	114	522

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LINE	*----- LINE CONTENTS -----*	
562	115	12984
563	116	14075
564	117	7967
565	118	9126
566	120	4957
567	121	12924
568	122	10091
569	124	6712
570	125	2673
571	126	2572
572	127	1609
573	128	8797
574	129	19130
575	130	1419
576	131	7378

577	132	2090
578	133	10
579	134	2557
580	135	640
581	136	8851
582	138	7597
583	139	142
584	140	6642
585	141	1086
586	142	2328
587	143	3144
588	144	1184
589	145	27949
590	146	5803
591	147	27603
592	148	348
593	149	894
594	150	10
595	151	507
596	152	140
597	153	212
598	154	719
599	155	13099
600	156	12235

601 99999

602	RURAL ROAD LINK	C	AT	DES	LENGTH	CWID	HILLS	DOWN	BEND	SWID	VWID	JUNC	VISI	MAXS
603		2	1	4	0.05									
604		3	1	4	1.3									
605		5	1	4	0.49									
606		6	1	4	2.46									
607		7	2	11	1.95									
608		9	2	11	0.1									
609		11	2	11	0.2									
610		13	2	11	0.1									
611		14	2	11	5.9									
612		20	1	9	1.76									

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LINE	*-----	LINE	CONTENTS	-----*
613		22	1 9	1.13
614		25	1 9	0.3

615	28	1	4	0.85
616	30	1	9	2.68
617	31	1	9	0.05
618	32	1	9	0.05
619	34	2	11	0.1
620	35	2	11	0.05
621	36	2	11	0.05
622	37	1	9	1.76
623	39	2	11	1.03
624	41	1	5	0.87
625	45	2	11	1.27
626	46	1	4	0.25
627	47	2	11	1.32
628	49	1	9	0.15
629	53	1	5	1.38
630	56	1	9	0.39
631	57	1	5	1.06
632	59	1	9	2.32
633	61	1	9	0.2
634	66	1	9	1.2
635	76	1	9	0.1
636	90	1	5	0.05
637	91	1	4	0.05
638	92	1	4	0.05
639	93	1	5	1.9
640	94	1	4	0.05
641	95	2	11	0.1
642	96	2	11	9.07
643	99	1	4	9.52
644	100	1	4	9.55
645	105	2	11	4.05
646	117	2	11	0.1
647	118	2	11	0.1
648	127	2	11	0.1
649	129	2	11	0.1
650	130	2	11	0.1
651	131	2	11	0.1
652	136	1	5	1.93
653	145	2	11	10.67
654	146	2	11	0.5
655	147	2	11	0.5
656	148	1	4	16.85
657	150	1	4	13.64

658 152 1 4 0.5
 659 154 1 9 0.5
 660 155 1 5 1.05
 661 156 1 5 0.19

662 99999

663 URBAN ROAD LINK C AT S/D LENGTH WIDTH HILLS VOBS DEVEL INT QOBS

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A18/A180 Link - revised link lengths

LINE	*----- LINE CONTENTS -----*				
664	1	8	4	1	2
665	4	8	4	1	0.05
666	8	8	4	1	0.05
667	10	8	4	1	0.05
668	12	8	4	1	0.1
669	15	8	4	1	0.19
670	16	8	4	1	1.24
671	17	8	4	1	1.54
672	18	8	4	1	2.96
673	19	8	4	1	2.96
674	21	8	4	1	0.5
675	23	8	4	1	0.2
676	24	8	4	1	3
677	26	8	4	1	0.03
678	27	8	4	1	0.02
679	29	8	4	1	2.04
680	33	8	4	1	1.2
681	38	8	4	1	2.18
682	40	8	4	1	2.38
683	42	8	4	1	2.4
684	43	8	4	1	0.68
685	44	8	4	1	3.27
686	48	8	4	1	0.02
687	50	8	4	1	0.44
688	51	8	4	1	0.15
689	52	8	4	1	0.21
690	54	8	4	1	0.62
691	55	8	4	1	1.6
692	58	8	4	1	1.29
693	60	8	4	1	1.8
694	62	8	4	1	0.05
695	63	8	4	1	0.36
696	64	8	4	1	0.33

697	65	8	4	1	0.4
698	67	8	4	1	0.05
699	68	8	4	1	1.4
700	69	8	4	1	0.04
701	70	8	4	1	2.5
702	71	8	4	1	0.08
703	72	8	4	1	0.05
704	73	8	4	1	0.04
705	74	8	4	1	0.04
706	75	8	4	1	0.45
707	77	8	4	1	0.1
708	78	8	4	1	0.05
709	79	8	4	1	0.1
710	80	8	4	1	0.5
711	81	8	4	1	0.43
712	82	8	4	1	0.18
713	83	8	4	1	0.12
714	84	8	4	1	0.05

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A18/A180 Link - revised link lengths

LINE	*----- LINE CONTENTS -----*				
715	85	8	4	1	0.51
716	86	8	4	1	0.06
717	87	8	4	1	0.13
718	88	8	4	1	0.05
719	89	8	4	1	0.5
720	97	8	4	1	0.05
721	98	8	4	1	0.05
722	103	8	4	1	0.05
723	104	8	4	1	0.05
724	108	8	4	1	0.01
725	110	8	4	1	0.05
726	112	8	4	1	0.01
727	124	8	4	1	0.1
728	125	8	4	1	0.1
729	126	8	4	1	0.1
730	132	8	4	1	0.05
731	133	8	4	1	1
732	134	8	4	1	0.05
733	135	8	4	1	0.05
734	138	8	4	1	0.29

735 139 8 4 1 0.05
 736 140 8 4 1 0.08
 737 141 8 4 1 0.05
 738 142 8 4 1 0.05
 739 143 8 4 1 0.05
 740 144 8 4 1 0.05
 741 149 8 4 1 11.2
 742 151 8 4 1 27.19
 743 153 8 4 1 18.14
 744 99999
 745 END OF SCHEME DATA
 746 FINISH

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DATA LINE ERRORS AND WARNINGS
 (N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

LINE *----- LINE CONTENTS -----*

ON LINE 10 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - ATTEMPT TO OVERWRITE A VALUE WITH ITS DEFAULT HAS BEEN IGNORED

10 0.96 1.15 380 +++ DATA ITEM
 WARNING +++
 +

ON LINE 12 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE PROPORTIONS WILL BE RESCALED TO ADD TO ONE

12 2006 24 0.8266 0.1230 0.0292 0.0161 0.0050 0.0000 +++ DATA ITEM
 WARNING +++

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TRAFFIC GROWTH AND VEHICLE PROPORTIONS

YEAR RVT DIS	FG	TRAFFIC GROWTH FACTORS						OVERALL	VEHICLE CATEGORY PROPORTIONS					
		CAR	LGV	OGV1	OGV2	PSV	MEAN GROWTH	CAR	LGV	OGV1	OGV2	PSV		
2006 T 111 87	1	0.930	0.898	0.961	0.886	0.966	1.000 0.926	0.8262	0.1215	0.0263	0.0238	0.0022	0.0000	
2006 T 111 87	2	0.930	0.898	0.961	0.886	0.966	1.000 0.926	0.7897	0.1427	0.0412	0.0210	0.0054	0.0000	
2006 T 111 87	3	0.930	0.898	0.961	0.886	0.966	1.000 0.926	0.8032	0.1402	0.0339	0.0173	0.0054	0.0000	
2006 T 111 87	4	0.930	0.898	0.961	0.886	0.966	1.000 0.926	0.8191	0.1353	0.0269	0.0135	0.0051	0.0000	
2006 T 111 87	5	0.930	0.898	0.961	0.886	0.966	1.000 0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
2006 T 111 87	6	0.930	0.898	0.961	0.886	0.966	1.000 0.927	0.8455	0.1105	0.0239	0.0138	0.0064	0.0000	
2006 T 111 87	7	0.930	0.898	0.961	0.886	0.966	1.000 0.928	0.9051	0.0739	0.0102	0.0057	0.0051	0.0000	
2006 T 111 87	8	0.930	0.898	0.961	0.886	0.966	1.000 0.928	0.9067	0.0739	0.0097	0.0048	0.0049	0.0000	
2006 T 111 87	9	0.930	0.898	0.961	0.886	0.966	1.000 0.928	0.9057	0.0751	0.0100	0.0047	0.0045	0.0000	
2006 T 111 87	10	0.930	0.898	0.961	0.886	0.966	1.000 0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

								A180v2.PRN						
2011 F 124 73	1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.8224	0.1253	0.0253	0.0249	0.0021	0.0000
2011 F 124 73	2	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.7861	0.1471	0.0397	0.0219	0.0052	0.0000
2011 F 124 73	3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.7995	0.1445	0.0327	0.0180	0.0052	0.0000
2011 F 124 73	4	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.8155	0.1395	0.0259	0.0142	0.0049	0.0000
2011 F 124 73	5	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2011 F 124 73	6	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.8425	0.1140	0.0230	0.0144	0.0061	0.0000
2011 F 124 73	7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.9029	0.0763	0.0099	0.0059	0.0049	0.0000
2011 F 124 73	8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.9045	0.0763	0.0093	0.0051	0.0047	0.0000
2011 F 124 73	9	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.9035	0.0776	0.0096	0.0049	0.0044	0.0000
2011 F 124 73	10	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2016 136 62	1	1.070	1.120	1.046	1.133	1.039	1.000	1.078	0.8170	0.1302	0.0246	0.0261	0.0021	0.0000
2016 136 62	2	1.070	1.120	1.046	1.133	1.039	1.000	1.078	0.7807	0.1528	0.0386	0.0230	0.0050	0.0000
2016 136 62	3	1.070	1.120	1.046	1.133	1.039	1.000	1.078	0.7941	0.1502	0.0317	0.0189	0.0050	0.0000
2016 136 62	4	1.070	1.120	1.046	1.133	1.039	1.000	1.078	0.8102	0.1450	0.0252	0.0149	0.0048	0.0000
2016 136 62	5	1.070	1.120	1.046	1.133	1.039	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2016 136 62	6	1.070	1.120	1.046	1.133	1.039	1.000	1.076	0.8380	0.1186	0.0224	0.0151	0.0059	0.0000
2016 136 62	7	1.070	1.120	1.046	1.133	1.039	1.000	1.074	0.8998	0.0796	0.0096	0.0062	0.0048	0.0000
2016 136 62	8	1.070	1.120	1.046	1.133	1.039	1.000	1.074	0.9014	0.0796	0.0091	0.0053	0.0046	0.0000
2016 136 62	9	1.070	1.120	1.046	1.133	1.039	1.000	1.074	0.9004	0.0809	0.0094	0.0052	0.0042	0.0000
2016 136 62	10	1.070	1.120	1.046	1.133	1.039	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021 150 52	1	1.126	1.249	1.096	1.274	1.085	1.000	1.146	0.8092	0.1368	0.0243	0.0277	0.0020	0.0000
2021 150 52	2	1.126	1.249	1.096	1.274	1.085	1.000	1.148	0.7724	0.1604	0.0380	0.0244	0.0049	0.0000
2021 150 52	3	1.126	1.249	1.096	1.274	1.085	1.000	1.147	0.7860	0.1577	0.0313	0.0201	0.0049	0.0000
2021 150 52	4	1.126	1.249	1.096	1.274	1.085	1.000	1.146	0.8024	0.1523	0.0248	0.0158	0.0047	0.0000
2021 150 52	5	1.126	1.249	1.096	1.274	1.085	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021 150 52	6	1.126	1.249	1.096	1.274	1.085	1.000	1.143	0.8312	0.1248	0.0221	0.0161	0.0058	0.0000
2021 150 52	7	1.126	1.249	1.096	1.274	1.085	1.000	1.136	0.8951	0.0840	0.0096	0.0066	0.0047	0.0000
2021 150 52	8	1.126	1.249	1.096	1.274	1.085	1.000	1.136	0.8968	0.0840	0.0090	0.0057	0.0045	0.0000
2021 150 52	9	1.126	1.249	1.096	1.274	1.085	1.000	1.136	0.8957	0.0854	0.0093	0.0055	0.0042	0.0000
2021 150 52	10	1.126	1.249	1.096	1.274	1.085	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2026 162 44	1	1.165	1.383	1.152	1.426	1.139	1.000	1.204	0.7995	0.1446	0.0243	0.0296	0.0020	0.0000
2026 162 44	2	1.165	1.383	1.152	1.426	1.139	1.000	1.208	0.7618	0.1692	0.0381	0.0260	0.0049	0.0000
2026 162 44	3	1.165	1.383	1.152	1.426	1.139	1.000	1.206	0.7758	0.1665	0.0313	0.0214	0.0049	0.0000
2026 162 44	4	1.165	1.383	1.152	1.426	1.139	1.000	1.204	0.7926	0.1610	0.0249	0.0168	0.0047	0.0000
2026 162 44	5	1.165	1.383	1.152	1.426	1.139	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2026 162 44	6	1.165	1.383	1.152	1.426	1.139	1.000	1.198	0.8226	0.1321	0.0222	0.0172	0.0058	0.0000
2026 162 44	7	1.165	1.383	1.152	1.426	1.139	1.000	1.186	0.8892	0.0893	0.0096	0.0071	0.0048	0.0000
2026 162 44	8	1.165	1.383	1.152	1.426	1.139	1.000	1.186	0.8910	0.0893	0.0091	0.0061	0.0046	0.0000

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T R A F F I C G R O W T H A N D V E H I C L E P R O P O R T I O N S

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YEAR RVT DIS	FG	TRAFFIC GROWTH FACTORS						OVERALL MEAN GROWTH	VEHICLE CATEGORY PROPORTIONS					
		CAR	LGV	OGV1	OGV2	PSV	CAR		LGV	OGV1	OGV2	PSV		
2026 162 44	9	1.165	1.383	1.152	1.426	1.139	1.000	1.186	0.8898	0.0907	0.0094	0.0059	0.0042	0.0000
2026 162 44	10	1.165	1.383	1.152	1.426	1.139	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2031 175 37	1	1.204	1.519	1.211	1.584	1.200	1.000	1.264	0.7903	0.1518	0.0244	0.0314	0.0020	0.0000
2031 175 37	2	1.204	1.519	1.211	1.584	1.200	1.000	1.271	0.7519	0.1774	0.0382	0.0276	0.0049	0.0000
2031 175 37	3	1.204	1.519	1.211	1.584	1.200	1.000	1.268	0.7662	0.1747	0.0315	0.0227	0.0050	0.0000
2031 175 37	4	1.204	1.519	1.211	1.584	1.200	1.000	1.265	0.7834	0.1690	0.0250	0.0179	0.0047	0.0000
2031 175 37	5	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2031 175 37	6	1.204	1.519	1.211	1.584	1.200	1.000	1.255	0.8145	0.1390	0.0224	0.0183	0.0059	0.0000
2031 175 37	7	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8836	0.0942	0.0097	0.0076	0.0048	0.0000
2031 175 37	8	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8854	0.0942	0.0092	0.0065	0.0046	0.0000
2031 175 37	9	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8842	0.0958	0.0095	0.0063	0.0043	0.0000
2031 175 37	10	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2036 193 31	1	1.204	1.519	1.211	1.584	1.200	1.000	1.264	0.7903	0.1518	0.0244	0.0314	0.0020	0.0000
2036 193 31	2	1.204	1.519	1.211	1.584	1.200	1.000	1.271	0.7519	0.1774	0.0382	0.0276	0.0049	0.0000
2036 193 31	3	1.204	1.519	1.211	1.584	1.200	1.000	1.268	0.7662	0.1747	0.0315	0.0227	0.0050	0.0000
2036 193 31	4	1.204	1.519	1.211	1.584	1.200	1.000	1.265	0.7834	0.1690	0.0250	0.0179	0.0047	0.0000
2036 193 31	5	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2036 193 31	6	1.204	1.519	1.211	1.584	1.200	1.000	1.255	0.8145	0.1390	0.0224	0.0183	0.0059	0.0000
2036 193 31	7	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8836	0.0942	0.0097	0.0076	0.0048	0.0000
2036 193 31	8	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8854	0.0942	0.0092	0.0065	0.0046	0.0000
2036 193 31	9	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8842	0.0958	0.0095	0.0063	0.0043	0.0000
2036 193 31	10	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2040 207 27	1	1.204	1.519	1.211	1.584	1.200	1.000	1.264	0.7903	0.1518	0.0244	0.0314	0.0020	0.0000
2040 207 27	2	1.204	1.519	1.211	1.584	1.200	1.000	1.271	0.7519	0.1774	0.0382	0.0276	0.0049	0.0000
2040 207 27	3	1.204	1.519	1.211	1.584	1.200	1.000	1.268	0.7662	0.1747	0.0315	0.0227	0.0050	0.0000
2040 207 27	4	1.204	1.519	1.211	1.584	1.200	1.000	1.265	0.7834	0.1690	0.0250	0.0179	0.0047	0.0000
2040 207 27	5	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2040 207 27	6	1.204	1.519	1.211	1.584	1.200	1.000	1.255	0.8145	0.1390	0.0224	0.0183	0.0059	0.0000
2040 207 27	7	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8836	0.0942	0.0097	0.0076	0.0048	0.0000
2040 207 27	8	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8854	0.0942	0.0092	0.0065	0.0046	0.0000
2040 207 27	9	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8842	0.0958	0.0095	0.0063	0.0043	0.0000
2040 207 27	10	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2041 211 27	1	1.204	1.519	1.211	1.584	1.200	1.000	1.264	0.7903	0.1518	0.0244	0.0314	0.0020	0.0000
2041 211 27	2	1.204	1.519	1.211	1.584	1.200	1.000	1.271	0.7519	0.1774	0.0382	0.0276	0.0049	0.0000
2041 211 27	3	1.204	1.519	1.211	1.584	1.200	1.000	1.268	0.7662	0.1747	0.0315	0.0227	0.0050	0.0000
2041 211 27	4	1.204	1.519	1.211	1.584	1.200	1.000	1.265	0.7834	0.1690	0.0250	0.0179	0.0047	0.0000
2041 211 27	5	1.204	1.519	1.211	1.584	1.200	1.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2041 211 27	6	1.204	1.519	1.211	1.584	1.200	1.000	1.255	0.8145	0.1390	0.0224	0.0183	0.0059	0.0000
2041 211 27	7	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8836	0.0942	0.0097	0.0076	0.0048	0.0000
2041 211 27	8	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8854	0.0942	0.0092	0.0065	0.0046	0.0000
2041 211 27	9	1.204	1.519	1.211	1.584	1.200	1.000	1.237	0.8842	0.0958	0.0095	0.0063	0.0043	0.0000

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3.80																
9	PEAK	208	0.840	0.059	0.007	0.004	0.004	0.000	60	1.882	4.05	0.33	0.05	0.02	0.02	0.00
4.47																
10	PEAK	0	0.000	0.000	0.000	0.000	0.000	0.000	0	1.882	0.00	0.00	0.00	0.00	0.00	0.00
0.00																
TOTAL		8760	0.828	0.120	0.030	0.016	0.005	0.000			82.84	12.03	3.03	1.56	0.53	0.00
100.00																

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S U M M A R Y O F B A S I C D A T A

VEHICLE OPERATING COST NON-FUEL PARAMETERS IN 2002 (pence/km)

CATEGORY	---- A ---- OTHER	---- B ---- OTHER
CAR	3.31	19.05
LGV	5.91	33.97
OGV1	5.50	216.16
OGV2	10.70	416.67
PSV	24.96	569.09

VEHICLE OPERATING COST FUEL CONSUMPTION PARAMETERS IN 2002 (litre/km)

CATEGORY	---- A ---	---- B ---	---- C ---	---- D ---	---- E ---	---- F ---	---- G ---
(petrol)CAR	0.18804765	-0.00437947	0.00005068	-0.00000017	0.00000000	0.00000000	0.00000000
(petrol)LGV	0.25246146	-0.00486999	0.00004424	-0.00000008	0.00000000	0.00000000	0.00000000
(diesel)CAR	0.14086613	-0.00285222	0.00002867	-0.00000007	0.00000000	0.00000000	0.00000000
(diesel)LGV	0.18637593	-0.00268049	0.00001172	0.00000008	0.00000000	0.00000000	0.00000000
OGV1	0.76833749	-0.02257303	0.00031766	-0.00000135	0.00000000	0.00000000	0.00000000
OGV2	1.02443159	-0.03021812	0.00044285	-0.00000201	0.00000000	0.00000000	0.00000000
PSV	0.63466865	-0.01898970	0.00027431	-0.00000122	0.00000000	0.00000000	0.00000000

VEHICLE OPERATING COST FUEL COST PARAMETERS IN 2002 (pence/km)

CATEGORY	---- A ---	---- B ---	---- C ---	---- D ---	---- E ---	---- F ---	---- G ---
(petrol)CAR	3.14039563	-0.07313708	0.00084635	-0.00000282	0.00000000	0.00000000	0.00000000
(petrol)LGV	4.21610633	-0.08132887	0.00073887	-0.00000126	0.00000000	0.00000000	0.00000000
(diesel)CAR	2.59193681	-0.05248091	0.00052754	-0.00000128	0.00000000	0.00000000	0.00000000
(diesel)LGV	3.42931714	-0.04932104	0.00021556	0.00000151	0.00000000	0.00000000	0.00000000
OGV1	14.13740981	-0.41534378	0.00584491	-0.00002492	0.00000000	0.00000000	0.00000000
OGV2	18.84954122	-0.55601346	0.00814853	-0.00003691	0.00000000	0.00000000	0.00000000
PSV	11.67790315	-0.34941053	0.00504736	-0.00002238	0.00000000	0.00000000	0.00000000

RESOURCE COST IN PENCE PER LITRE OF PETROL IN 2002 16.7

RESOURCE COST IN PENCE PER LITRE OF DIESEL IN 2002 18.4

CATEGORY	ANNUAL COMPOUND CHANGE RATES FOR FUEL COSTS					2007	2008	2009	2010	2015	2020	2025
	2002	2003	2004	2005	2006							
PETROL	0.0898	0.1099	0.2376	0.1000	0.0036	0.0221	-0.0734	-0.0260	0.0057	0.0057	0.0054	0.0054
DIESEL	0.0652	0.0918	0.3084	0.0821	-0.0330	0.0467	-0.0766	-0.0275	0.0056	0.0055	0.0053	0.0052

CATEGORY	ANNUAL COMPOUND CHANGE RATES FOR ABC-FUEL CONSUMPTION					2010	2015	2020
	2002	2003	2004	2005	2006			
(petrol)CAR	-0.0074	-0.0075	-0.0076	-0.0085	-0.0122	-0.0122	-0.0148	0.0000
(petrol)LGV	-0.0122	-0.0156	-0.0178	-0.0149	0.0000	0.0000	0.0000	0.0000
(diesel)CAR	-0.0118	-0.0119	-0.0121	-0.0122	-0.0120	-0.0120	-0.0124	0.0000
(diesel)LGV	0.0097	-0.0140	-0.0178	-0.0149	0.0000	0.0000	0.0000	0.0000
OGV1	0.0046	0.0000	0.0000	-0.0123	0.0000	0.0000	0.0000	0.0000
OGV2	-0.0017	0.0000	0.0000	-0.0123	0.0000	0.0000	0.0000	0.0000
PSV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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S U M M A R Y O F B A S I C D A T A

YEAR PROPORTION PETROL CAR PROPORTION PETROL LGV

2002	79.0	15.0
2003	78.0	15.0
2004	77.0	15.0
2005	76.0	15.0
2006	75.0	15.0
2007	74.0	15.0
2008	73.0	15.0
2009	72.0	15.0
2010	70.0	15.0
2011	69.2	15.0
2012	68.4	15.0
2013	67.6	15.0
2014	66.8	15.0
2015	66.0	15.0
2016	65.2	15.0
2017	64.4	15.0
2018	63.6	15.0
2019	62.8	15.0
2020	62.0	15.0
2021	61.2	15.0
2022	60.4	15.0
2023	59.6	15.0
2024	58.8	15.0
2025 onwards	58.0	15.0

COST OF CARBON IN POUNDS PER TONNE IN 2002-CENTRAL ESTIMATE 73.87 UPPER ESTIMATE 88.64 LOWER ESTIMATE

66.48

ANNUAL COMPOUND CHANGES IN COST PER TONNE OF CARBON

YEAR	2002	2062
	0.02	0.02
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	627.57	in year 2005
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	717.15	in year 2005
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	618.94	in year 2008
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	707.29	in year 2008
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	614.23	in year 2009
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	701.91	in year 2009
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	609.27	in year 2010
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	696.23	in year 2010
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	608.74	in year 2011
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	695.64	in year 2011
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	608.22	in year 2012
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	695.04	in year 2012
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	607.70	in year 2013
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	694.44	in year 2013
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	607.17	in year 2014
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	693.84	in year 2014
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	606.65	in year 2015
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	693.25	in year 2015
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	606.13	in year 2016
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	692.65	in year 2016
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	605.61	in year 2017
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	692.05	in year 2017
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	605.08	in year 2018
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	691.45	in year 2018
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	604.56	in year 2019
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	690.85	in year 2019
GRAMMES OF CARBON RELEASED PER LITRE OF PETROL =	604.04	in year 2020
GRAMMES OF CARBON RELEASED PER LITRE OF DIESEL =	690.26	in year 2020

TAXATION RATES (%) (2002 BASE RATES)

FUEL TYPE	AVERAGE FINAL	----- FUEL FINAL	----- FUEL INTER	--- NON-FUEL FINAL	--- NON-FUEL INTER
PETROL	20.9	339.7	274.3	17.5	0.0
DIESEL	20.9	310.0	248.9	17.5	0.0

CHANGES TO TAXATION RATES (%)

FUEL TYPE	AVERAGE FINAL	----- FUEL FINAL	----- FUEL INTER	--- NON-FUEL FINAL	--- NON-FUEL INTER	FROM YEAR	TO YEAR
PETROL	0.00	-9.72	-10.24	0.00	0.00	2003	2003
PETROL	0.00	-9.91	-10.50	0.00	0.00	2004	2004
PETROL	0.00	-19.51	-20.83	0.00	0.00	2005	2005
PETROL	0.00	-10.10	-10.97	0.00	0.00	2006	2006
PETROL	0.00	-0.33	-0.36	0.00	0.00	2007	2007
PETROL	0.00	0.75	0.82	0.00	0.00	2008	2008
PETROL	0.00	8.13	8.90	0.00	0.00	2009	2009

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PETROL	0.00	2.67	2.90	0.00	0.00	2010	2010
PETROL	0.00	0.00	0.00	0.00	0.00	2011	2099
DIESEL	0.00	-7.71	-8.17	0.00	0.00	2003	2003
DIESEL	0.00	-8.47	-9.02	0.00	0.00	2004	2004
DIESEL	0.00	-23.44	-25.12	0.00	0.00	2005	2005
DIESEL	0.00	-8.67	-9.50	0.00	0.00	2006	2006
DIESEL	0.00	3.09	3.41	0.00	0.00	2007	2007
DIESEL	0.00	-1.41	-1.55	0.00	0.00	2008	2008
DIESEL	0.00	8.41	9.28	0.00	0.00	2009	2009
DIESEL	0.00	2.79	3.06	0.00	0.00	2010	2010
DIESEL	0.00	0.00	0.00	0.00	0.00	2011	2099

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S U M M A R Y O F B A S I C D A T A

ROAD MAINTENANCE TYPE	1	2	3	4	5	6
CARRIAGEWAY TYPE	S2	D2AP	D3AP	D2M	D3M	D4M
COST (POUND/KM)	7400.	10400.	12900.	17100.	19500.	19500.

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V A L U E O F T I M E A N D V E H I C L E O C C U P A N C Y

VEHICLE CATEGORY	VEHICLE MODE	PERSON MODE	NUMBER OF OCCUPANTS FOR EACH FLOW GROUP									
			1	2	3	4	5	6	7	8	9	10
CAR	WORK	WORK	1.180	1.200	1.180	1.210	1.210	1.270	1.280	1.310	1.310	1.310
	WORK	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WORK	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	COMMUTE	WORK	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	COMMUTE	COMMUTE	1.130	1.150	1.140	1.150	1.150	1.120	1.150	1.140	1.140	1.140
	COMMUTE	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	WORK	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	OTHER	1.770	1.760	1.790	1.840	1.840	1.840	1.980	2.000	2.000	2.000
LGV	WORK	WORK	1.200	1.200	1.200	1.200	1.200	1.260	1.260	1.260	1.260	1.260
	WORK	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WORK	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	COMMUTE	WORK	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	COMMUTE	COMMUTE	1.460	1.460	1.460	1.460	1.460	2.030	2.030	2.030	2.030	2.030
	COMMUTE	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	WORK	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	OTHER	1.460	1.460	1.460	1.460	1.460	2.030	2.030	2.030	2.030	2.030
OGV1	WORK	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	WORK	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WORK	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OGV2	WORK	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	WORK	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	WORK	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSV	WORK	WORK	1.410	1.410	1.410	1.410	1.410	1.180	1.180	1.180	1.180	1.180
	WORK	COMMUTE	3.110	3.110	3.110	3.110	3.110	0.780	0.780	0.780	0.780	0.780
	WORK	OTHER	8.670	8.670	8.670	8.670	8.670	11.220	11.220	11.220	11.220	11.220

VEHICLE CATEGORY	VEHICLE MODE	PROPTN	VEHICLE MODE FOR EACH FLOW GROUP									
			1	2	3	4	5	6	7	8	9	10
CAR	WORK	0.120	0.185	0.160	0.147	0.147	0.053	0.021	0.031	0.031	0.031	0.031
	COMMUTE	0.360	0.250	0.328	0.477	0.477	0.206	0.067	0.055	0.055	0.055	0.055
	OTHER	0.520	0.565	0.512	0.376	0.376	0.741	0.912	0.914	0.914	0.914	0.914
LGV	WORK	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880
	COMMUTE	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
	OTHER	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
OGV1	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OGV2	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSV	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	COMMUTE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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V A L U E O F T I M E A N D V E H I C L E O C C U P A N C Y

VEHICLE CATEGORY	VEHICLE MODE	PERSON MODE	NUMBER OF OCCUPANTS FOR EACH FLOW GROUP IN FINAL YEAR OF EVALUATION PERIOD									
			1	2	3	4	5	6	7	8	9	10
CAR	WORK	WORK	1.154	1.173	1.147	1.176	1.176	1.228	1.238	1.267	1.267	1.267
	COMMUTE	COMMUTE	1.106	1.125	1.113	1.123	1.123	1.098	1.127	1.117	1.117	1.117
	OTHER	OTHER	1.636	1.627	1.648	1.694	1.694	1.693	1.822	1.841	1.841	1.841
LGV	WORK	WORK	1.200	1.200	1.200	1.200	1.200	1.260	1.260	1.260	1.260	1.260
	COMMUTE	COMMUTE	1.460	1.460	1.460	1.460	1.460	2.030	2.030	2.030	2.030	2.030
	OTHER	OTHER	1.460	1.460	1.460	1.460	1.460	2.030	2.030	2.030	2.030	2.030
OGV1	WORK	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
OGV2	WORK	WORK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
PSV	WORK	WORK	1.410	1.410	1.410	1.410	1.410	1.180	1.180	1.180	1.180	1.180
	COMMUTE	COMMUTE	3.110	3.110	3.110	3.110	3.110	0.780	0.780	0.780	0.780	0.780
	OTHER	OTHER	8.670	8.670	8.670	8.670	8.670	11.220	11.220	11.220	11.220	11.220

VEHICLE CATEGORY TO YEAR	VEHICLE MODE	PERSON MODE	PERCENTAGE CHANGE IN VEHICLE OCCUPANCY FOR EACH FLOW GROUP										FROM YEAR		
			1	2	3	4	5	6	7	8	9	10			
2036	CAR	WORK	WORK	-0.066	-0.066	-0.083	-0.083	-0.083	-0.098	-0.098	-0.098	-0.098	-0.098	-0.098	2003
2036	CAR	COMMUTE	COMMUTE	-0.064	-0.064	-0.070	-0.070	-0.070	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	2003
2036	CAR	OTHER	OTHER	-0.231	-0.231	-0.243	-0.243	-0.243	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	2003

PERSON MODE	VALUE OF TIME PER PERSON FOR EACH VEHICLE CAT.	
	CAR	LGV
WORK	2083.00	842.00
COMMUTE	417.00	417.00
OTHER	368.00	368.00

PERSON MODE	ANNUAL 2003	COMPOUND 2004	CHANGE 2005	RATES FOR V-O-T 2006	2007	2008	2012	2022	2032	2052	2062
WORK	0.0198	0.0222	0.0321	0.0296	0.0246	0.0220	0.0194	0.0155	0.0199	0.0181	0.0200
COMMUTE	0.0158	0.0178	0.0257	0.0237	0.0197	0.0176	0.0155	0.0124	0.0159	0.0145	0.0160
OTHER	0.0158	0.0178	0.0257	0.0237	0.0197	0.0176	0.0155	0.0124	0.0159	0.0145	0.0160

FLOW GROUP	OVERALL TIME COST (PENNY PER HOUR) IN YEAR 2002					OVERALL TIME COST (PENNY PER HOUR) IN YEAR					
	CAR	LGV	OGV1	OGV2	PSV	CAR	LGV	OGV1	OGV2	PSV	
1	803.30	955.49	842.00	842.00	5980.62	0.00	2253.29	3192.99	2856.51	2856.51	17007.12
2	948.25	955.49	842.00	842.00	5980.62	0.00	2746.29	3192.99	2856.51	2856.51	17007.12
3	886.46	955.49	842.00	842.00	5980.62	0.00	2528.44	3192.99	2856.51	2856.51	17007.12
4	853.85	955.49	842.00	842.00	5980.62	0.00	2440.06	3192.99	2856.51	2856.51	17007.12
5	853.85	955.49	842.00	842.00	5980.62	0.00	2440.06	3192.99	2856.51	2856.51	17007.12

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0.00												
6	738.16	1025.84	842.00	842.00	5703.84	0.00	1939.76	3412.73	2856.51	2856.51	16092.43	
0.00												
7	752.64	1025.84	842.00	842.00	5703.84	0.00	1894.92	3412.73	2856.51	2856.51	16092.43	
0.00												
8	783.44	1025.84	842.00	842.00	5703.84	0.00	1993.20	3412.73	2856.51	2856.51	16092.43	
0.00												
9	783.44	1025.84	842.00	842.00	5703.84	0.00	1993.20	3412.73	2856.51	2856.51	16092.43	
0.00												
10	783.44	1025.84	842.00	842.00	5703.84	0.00	1993.20	3412.73	2856.51	2856.51	16092.43	
0.00												
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COMBINED LINK AND JUNCTION ACCIDENTS

ACCIDENT RATE BASE YEAR 2000

LINK TYPE	AT	MAX-S KPH	DEFAULT RATE PIA/M-VEH-KM	BETA	COST POUND/PIA	--- FATAL	CASUALTIES/SERIOUS	PIA -- SLIGHT
D2 MOTORWAY	1	80	0.098	1.001	86129.	0.0220	0.1520	1.4620
		113	0.098	1.001	86129.	0.0220	0.1520	1.4620
D3 MOTORWAY	2	80	0.098	1.001	86129.	0.0220	0.1520	1.4620
		113	0.098	1.001	86129.	0.0220	0.1520	1.4620
D4 MOTORWAY	3	80	0.098	1.001	86129.	0.0220	0.1520	1.4620
		113	0.098	1.001	86129.	0.0220	0.1520	1.4620
MODERN S2 A	4	48	0.844	0.984	70561.	0.0092	0.1392	1.1570
		64	0.844	0.984	70561.	0.0092	0.1392	1.1570
		80	0.293	0.973	128535.	0.0436	0.2855	1.2860
		97/113	0.293	0.973	128535.	0.0436	0.2855	1.2860
MODERN S2AH	5	48	0.844	0.984	70561.	0.0092	0.1392	1.1570
		64	0.844	0.984	70561.	0.0092	0.1392	1.1570
		80	0.232	0.973	128535.	0.0436	0.2855	1.2860
		97/113	0.232	0.973	128535.	0.0436	0.2855	1.2860
MODERN WS2A	6	48	0.844	0.984	70561.	0.0092	0.1392	1.1570
		64	0.844	0.984	70561.	0.0092	0.1392	1.1570
		80	0.190	0.973	128535.	0.0436	0.2855	1.2860
		97/113	0.190	0.973	128535.	0.0436	0.2855	1.2860
MODERN WS2AH	7	48	0.844	0.984	70561.	0.0092	0.1392	1.1570
		64	0.844	0.984	70561.	0.0092	0.1392	1.1570
		80	0.171	0.973	128535.	0.0436	0.2855	1.2860
		97/113	0.171	0.973	128535.	0.0436	0.2855	1.2860
OLDER S2A	8	48	0.844	0.984	70561.	0.0092	0.1392	1.1570
		64	0.844	0.984	70561.	0.0092	0.1392	1.1570
		80	0.381	0.973	128535.	0.0436	0.2855	1.2860
		97/113	0.381	0.973	128535.	0.0436	0.2855	1.2860
OTHER S2	9	48	0.844	0.983	67885.	0.0075	0.1379	1.1240
		64	0.844	0.983	67885.	0.0075	0.1379	1.1240
		80	0.404	0.998	101402.	0.0262	0.2513	1.2450
		97/113	0.404	0.998	101402.	0.0262	0.2513	1.2450
MODERN D2 A	10	48	1.004	0.984	69419.	0.0093	0.1253	1.2220
		64	1.004	0.984	69419.	0.0093	0.1253	1.2220
		80	0.174	0.973	95905.	0.0286	0.1861	1.3140
		97/113	0.174	0.973	95905.	0.0286	0.1861	1.3140
MODERN D2AH	11	48	1.004	0.984	69419.	0.0093	0.1253	1.2220
		64	1.004	0.984	69419.	0.0093	0.1253	1.2220
		80	0.131	0.973	95905.	0.0286	0.1861	1.3140
		97/113	0.131	0.973	95905.	0.0286	0.1861	1.3140

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COMBINED LINK AND JUNCTION ACCIDENTS

ACCIDENT RATE BASE YEAR 2000

LINK TYPE	AT	MAX-S KPH	DEFAULT RATE PIA/M-VEH-KM	BETA	COST POUND/PIA	--- FATAL	CASUALTIES/SERIOUS	PIA -- SLIGHT
OLDER D2	12	48	1.004	0.984	69419.	0.0093	0.1253	1.2220
		64	1.004	0.984	69419.	0.0093	0.1253	1.2220
		80	0.226	0.973	95905.	0.0286	0.1861	1.3140
		97/113	0.226	0.973	95905.	0.0286	0.1861	1.3140
MODERN D3+ A	13	48	1.004	0.984	69419.	0.0093	0.1253	1.2220
		64	1.004	0.984	69419.	0.0093	0.1253	1.2220
		80	0.174	0.973	95905.	0.0286	0.1861	1.3140

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		97/113		0.174	0.973	95905.	0.0286	0.1861	1.3140	
MODERN D3AH	14	48		1.004	0.984	69419.	0.0093	0.1253	1.2220	
		64		1.004	0.984	69419.	0.0093	0.1253	1.2220	
		80		0.131	0.973	95905.	0.0286	0.1861	1.3140	
		97/113		0.131	0.973	95905.	0.0286	0.1861	1.3140	
OLDER D3+	15	48		1.004	0.984	69419.	0.0093	0.1253	1.2220	
		64		1.004	0.984	69419.	0.0093	0.1253	1.2220	
		80		0.226	0.973	95905.	0.0286	0.1861	1.3140	
		97/113		0.226	0.973	95905.	0.0286	0.1861	1.3140	
USER DEFINED	16	48		0.000	1.000	0.	0.0000	0.0000	0.0000	
		64		0.000	1.000	0.	0.0000	0.0000	0.0000	
		80		0.000	1.000	0.	0.0000	0.0000	0.0000	
		97/113		0.000	1.000	0.	0.0000	0.0000	0.0000	
USER DEFINED	17	48		0.000	1.000	0.	0.0000	0.0000	0.0000	
		64		0.000	1.000	0.	0.0000	0.0000	0.0000	
		80		0.000	1.000	0.	0.0000	0.0000	0.0000	
		97/113		0.000	1.000	0.	0.0000	0.0000	0.0000	
USER DEFINED	18	48		0.000	1.000	0.	0.0000	0.0000	0.0000	
		64		0.000	1.000	0.	0.0000	0.0000	0.0000	
		80		0.000	1.000	0.	0.0000	0.0000	0.0000	
		97/113		0.000	1.000	0.	0.0000	0.0000	0.0000	
USER DEFINED	19	48		0.000	1.000	0.	0.0000	0.0000	0.0000	
		64		0.000	1.000	0.	0.0000	0.0000	0.0000	
		80		0.000	1.000	0.	0.0000	0.0000	0.0000	
		97/113		0.000	1.000	0.	0.0000	0.0000	0.0000	
USER DEFINED	20	48		0.000	1.000	0.	0.0000	0.0000	0.0000	
		64		0.000	1.000	0.	0.0000	0.0000	0.0000	
		80		0.000	1.000	0.	0.0000	0.0000	0.0000	
		97/113		0.000	1.000	0.	0.0000	0.0000	0.0000	

ANNUAL COMPOUND RATES OF CHANGE FOR ACCIDENT COSTS

2032	2052	2062	YEAR	2003	2004	2005	2006	2007	2008	2012	2022
0.0199	0.0181	0.0200	RATE	0.0198	0.0222	0.0321	0.0296	0.0246	0.0220	0.0194	0.0155

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DATA LINE ERRORS AND WARNINGS

(N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

LINE *----- LINE CONTENTS -----*

ON LINE 343 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE LINK LENGTH IS GREATER THAN 10.01

343 145 2 11 0 10.67 2.90 0. 0. 0. 0. 0.0 1.0 0.0 0.0 +++ DATA ITEM
WARNING +++

+

ON LINE 346 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE LINK LENGTH IS GREATER THAN 10.01

346 148 1 4 0 16.85 5.50 0. 0. 0. 0.0 1.0 0.0 0.0 +++ DATA ITEM
WARNING +++

+

ON LINE 347 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE LINK LENGTH IS GREATER THAN 10.01

347 150 1 4 0 13.64 5.50 0. 0. 0. 0.0 1.0 0.0 0.0 +++ DATA ITEM
WARNING +++

+

ON LINE 373 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE LINK LENGTH IS GREATER THAN 3.01

373 44 8 4 1 3.27 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
WARNING +++

+

ON LINE 429 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE LINK LENGTH IS GREATER THAN 3.01

429 149 8 4 1 11.20 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM

WARNING +++

+

ON LINE 430 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 3.01

430 151 8 4 1 27.19 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
 WARNING +++

+

ON LINE 431 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 3.01

431 153 8 4 1 18.14 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
 WARNING +++

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L I N K - N O D E I N D E X

NODE	LINK	NODE	NODE	LINK	NODE	NODE	LINK	NODE	NODE	LINK	NODE
	1*	220*	6208	2	601	602	3*	601	603*	4	601
6021	5	602	925	6	602	959	7*	620	662*	8*	620
0	9	620	6202	10*	6203*	0	11	624	6242	12*	6244
0	13*	624	0	14	624	9322	15*	655*	656	16	656
6205	17	656	9261	18	925	926	19	925	927	20	926
927	21	926	9261	22	927	928	23	927	9271	24	928
9292	25	928	9645	26	929	953	27	929	954	28	929
959	29	930	931	30	930	956	31*	930	9301*	32*	930
9302*	33	931	933	34*	932	0	35	932	9323	36	932
9324	37	933	934	38	933	938	39	934	936	40	934
958	41	934	2011	42	935	936	43	935	958	44	935
2017	45	936	937	46	937	2010	47	937	2026	48	938
2003	49	938	9445	50	939	2005	51	939	9453	52	939
9455	53	940	941	54	940	2005	55	940	2024	56	941
942	57*	941	6241	58	942	943	59	942	952	60*	942
9421*	61	943	945	62*	943	9431*	63	944	9441	64	944
9448	65	944	9453	66	945	2024	67*	945	9432*	68	952
9271	69*	953	0	70*	953	9291*	71	954	955	72	955
956	73	955	957	74	956	957	75	957	9292	76*	958
9351*	77*	959	960*	78*	2001*	2002	79	2002	2005	80	2002
2008	81	2003	9443	82	2003	9446	83	2006	2007	84*	2006
0	85	2006	2026	86	2007	2008	87	2007	9455	88*	2009*
2010	89	2010	2017	90	2011	2012	91*	2011	2013	92*	2012
0	93	2012	9321	94*	2013	2015*	95	2016	9324	96	2016
9501	97*	2017	2018*	98*	2024	2025*	99	6021	9504	100*	6041*
9504	101*	6201	0	102*	6201	0	103*	6206*	0	104*	6202
0	105	6202	6242	106*	6207	0	107*	6208	0	108	6204
6205	109*	6204	0	110	6204	6207	111*	6205	0	112	6207
6208	113*	6209	0	114*	6209	0	115*	6245*	0	116*	6241

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0	117*	6242	0	118*	6246	0	119*	6243*	0	120*	6246
0	122*	6244	0	124*	9261	9262*	125*	9271	9272*	126*	9292
9293*	127*	9321	0	128*	9321	9325	129	9322	9323	130*	9323
0	131*	9325	0	132*	9441	9442*	133	9441	9443	134*	9443
9444*	135*	9445	9449*	137	9445	9645	138	9446	9447	139*	9446
9450*	140	9447	9448	141*	9447	9451*	142*	9448	9452*	143*	9453
9454*	144*	9455	9456*	145	9501	9502	146*	9501	9510*	147*	9502
9503*	148	9502	9506	149	9504	9505	150	9505	9506	151	9505
9508	152*	9506	9507*	153	9506	9508	154*	9508	9509*		

* DENOTES ENTRY LINK OR NODE

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A-NODE	LINK	B-NODE										
220	1	6208										
601	2	602	3	603	4	6021						
602	2	601	5	925	6	959						
603	3	601										
620	7	662	8	0	9	6202						
624	11	6242	13	0	14	9322						
655	15	656										
656	15	655	16	6205	17	9261						
662	7	620										
925	5	602	18	926	19	927						
926	18	925	20	927	21	9261						
927	19	925	20	926	22	928	23	9271				
928	22	927	24	9292	25	9645						
929	26	953	27	954	28	959						
930	29	931	30	956	31	9301	32	9302				
931	29	930	33	933								
932	34	0	35	9323	36	9324						
933	33	931	37	934	38	938						
934	37	933	39	936	40	958	41	2011				
935	42	936	43	958	44	2017						
936	39	934	42	935	45	937						
937	45	936	46	2010	47	2026						
938	38	933	48	2003	49	9445						
939	50	2005	51	9453	52	9455						
940	53	941	54	2005	55	2024						
941	53	940	56	942	57	6241						
942	56	941	58	943	59	952	60	9421				
943	58	942	61	945	62	9431						
944	63	9441	64	9448	65	9453						
945	61	943	66	2024	67	9432						
952	59	942	68	9271								
953	26	929	69	0	70	9291						
954	27	929	71	955								
955	71	954	72	956	73	957						
956	30	930	72	955	74	957						
957	73	955	74	956	75	9292						
958	40	934	43	935	76	9351						
959	6	602	28	929	77	960						
960	77	959										
2001	78	2002										
2002	78	2001	79	2005	80	2008						
2003	48	938	81	9443	82	9446						
2005	50	939	54	940	79	2002						
2006	83	2007	84	0	85	2026						
2007	83	2006	86	2008	87	9455						
2008	80	2002	86	2007								
2009	88	2010										
2010	46	937	88	2009	89	2017						
2011	41	934	90	2012	91	2013						

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A-NODE	LINK	B-NODE										
2012	90	2011	92	0	93	9321						
2013	91	2011	94	2015								
2015	94	2013										
2016	95	9324	96	9501								
2017	44	935	89	2010	97	2018						
2018	97	2017										
2024	55	940	66	945	98	2025						
2025	98	2024										
2026	47	937	85	2006								
6021	4	601	99	9504								
6041	100	9504										
6201	101	0	102	0								
6202	9	620	104	0	105	6242						
6203	10	0										
6204	108	6205	109	0	110	6207						
6205	16	656	108	6204	111	0						
6206	103	0										
6207	106	0	110	6204	112	6208						
6208	1	220	107	0	112	6207						
6209	113	0	114	0								
6241	57	941	116	0								
6242	11	624	105	6202	117	0						
6243	119	0										
6244	12	0	122	0								
6245	115	0										
6246	118	0	120	0								
9261	17	656	21	926	124	9262						
9262	124	9261										
9271	23	927	68	952	125	9272						
9272	125	9271										
9291	70	953										
9292	24	928	75	957	126	9293						
9293	126	9292										
9301	31	930										
9302	32	930										
9321	93	2012	127	0	128	9325						
9322	14	624	129	9323								
9323	35	932	129	9322	130	0						
9324	36	932	95	2016								
9325	128	9321	131	0								
9351	76	958										
9421	60	942										
9431	62	943										
9432	67	945										
9441	63	944	132	9442	133	9443						
9442	132	9441										
9443	81	2003	133	9441	134	9444						
9444	134	9443										
9445	49	938	135	9449	137	9645						

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T H E N E T W O R K

A-NODE	LINK	B-NODE										
9446	82	2003	138	9447	139	9450						
9447	138	9446	140	9448	141	9451						
9448	64	944	140	9447	142	9452						
9449	135	9445										
9450	139	9446										
9451	141	9447										
9452	142	9448										
9453	51	939	65	944	143	9454						
9454	143	9453										
9455	52	939	87	2007	144	9456						
9456	144	9455										
9501	96	2016	145	9502	146	9510						
9502	145	9501	147	9503	148	9506						
9503	147	9502										
9504	99	6021	100	6041	149	9505						
9505	149	9504	150	9506	151	9508						
9506	148	9502	150	9505	152	9507	153	9508				
9507	152	9506										

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(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

LINK	CLASS	AAHT	FLOW IN -	VMG 3	MAINT	ACCIDENT	LENGTH	SPD
		VMG 1	VMG 2		TYPE	TYPE RATE		LIMIT
2	1	675.0	0.0	0.0	1	4 0.22 D	0.05	96
3	E 1	631.6	0.0	0.0	1	4 0.22 D	1.30	96
5	1	226.7	0.0	0.0	1	4 0.22 D	0.49	96
6	1	529.5	0.0	0.0	1	4 0.22 D	2.46	96
20	1	311.4	0.0	0.0	1	9 0.40 D	1.76	96
22	1	384.5	0.0	0.0	1	9 0.40 D	1.13	96
25	1	380.4	0.0	0.0	1	9 0.40 D	0.30	96
28	1	466.2	0.0	0.0	1	4 0.22 D	0.85	96
30	1	264.5	0.0	0.0	1	9 0.40 D	2.68	96
31	E 1	0.5	0.0	0.0	1	9 0.40 D	0.05	96
32	E 1	103.1	0.0	0.0	1	9 0.40 D	0.05	96
37	1	346.6	0.0	0.0	1	9 0.40 D	1.76	96
41	1	1051.3	0.0	0.0	1	5 0.17 D	0.87	96
46	1	767.1	0.0	0.0	1	4 0.22 D	0.25	96
49	1	384.0	0.0	0.0	1	9 0.40 D	0.15	96
53	1	611.8	0.0	0.0	1	5 0.17 D	1.38	96
56	1	313.9	0.0	0.0	1	9 0.40 D	0.39	96
57	E 1	811.6	0.0	0.0	1	5 0.17 D	1.06	96
59	1	67.7	0.0	0.0	1	9 0.40 D	2.32	96
61	1	193.1	0.0	0.0	1	9 0.40 D	0.20	96
66	1	157.2	0.0	0.0	1	9 0.40 D	1.20	96
76	E 1	330.0	0.0	0.0	1	9 0.40 D	0.10	96
90	1	972.6	0.0	0.0	1	5 0.17 D	0.05	96
91	E 1	142.8	0.0	0.0	1	4 0.22 D	0.05	96
92	E 1	60.5	0.0	0.0	1	4 0.22 D	0.05	96
93	1	1033.5	0.0	0.0	1	5 0.17 D	1.90	96
94	E 1	203.3	0.0	0.0	1	4 0.22 D	0.05	96
99	1	42.6	0.0	0.0	1	4 0.22 D	9.52	96
100	E 1	0.5	0.0	0.0	1	4 0.22 D	9.55	96
137	1	380.4	0.0	0.0	1	9 0.40 D	2.12	96
148	1	19.1	0.0	0.0	1	4 0.22 D	16.85	96
150	1	0.5	0.0	0.0	1	4 0.22 D	13.64	96
152	E 1	7.0	0.0	0.0	1	4 0.22 D	0.50	96
154	E 1	35.9	0.0	0.0	1	9 0.40 D	0.50	96
7	E 2	1290.1	0.0	0.0	2	11 0.10 D	1.95	113
9	2	1014.1	0.0	0.0	2	11 0.10 D	0.10	113
11	2	743.2	0.0	0.0	2	11 0.10 D	0.20	113
13	E 2	110.1	0.0	0.0	2	11 0.10 D	0.10	113
14	2	960.3	0.0	0.0	2	11 0.10 D	5.90	113
34	E 2	420.7	0.0	0.0	2	11 0.10 D	0.10	113
35	2	784.9	0.0	0.0	2	11 0.10 D	0.05	113
36	2	1205.5	0.0	0.0	2	11 0.10 D	0.05	113
39	2	751.5	0.0	0.0	2	11 0.10 D	1.03	113
45	2	831.2	0.0	0.0	2	11 0.10 D	1.27	113

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(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

LINK	CLASS	AAHT	FLOW IN -	VMG 3	MAINT	ACCIDENT	LENGTH	SPD
		VMG 1	VMG 2		TYPE	TYPE RATE		LIMIT
47	2	546.8	0.0	0.0	2	11 0.10 D	1.32	113
95	2	1642.9	0.0	0.0	2	11 0.10 D	0.10	113
96	2	1643.7	0.0	0.0	2	11 0.10 D	9.07	113

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105	2	1337.5	0.0	0.0	2	11	0.10	D	4.05	113
117	E 2	272.4	0.0	0.0	2	11	0.10	D	0.10	113
118	E 2	322.3	0.0	0.0	2	11	0.10	D	0.10	113
127	E 2	88.2	0.0	0.0	2	11	0.10	D	0.10	113
129	2	872.4	0.0	0.0	2	11	0.10	D	0.10	113
130	E 2	87.5	0.0	0.0	2	11	0.10	D	0.10	113
131	E 2	437.0	0.0	0.0	2	11	0.10	D	0.10	113
145	2	1396.0	0.0	0.0	2	11	0.10	D	10.67	113
146	E 2	289.5	0.0	0.0	2	11	0.10	D	0.50	113
147	E 2	1377.0	0.0	0.0	2	11	0.10	D	0.50	113

1	E 8	208.0	0.0	0.0	1	4	0.71	D	2.00	48
4	8	128.8	0.0	0.0	1	4	0.71	D	0.05	48
8	E 8	133.6	0.0	0.0	1	4	0.71	D	0.05	48
10	E 8	142.7	0.0	0.0	1	4	0.71	D	0.05	48
12	E 8	107.1	0.0	0.0	1	4	0.71	D	0.10	48
15	E 8	772.8	0.0	0.0	1	4	0.71	D	0.19	48
16	8	535.6	0.0	0.0	1	4	0.71	D	1.24	48
17	8	646.4	0.0	0.0	1	4	0.71	D	1.54	48
18	8	64.3	0.0	0.0	1	4	0.71	D	2.96	48
19	8	161.6	0.0	0.0	1	4	0.71	D	2.96	48
21	8	376.1	0.0	0.0	1	4	0.71	D	0.50	48
23	8	198.0	0.0	0.0	1	4	0.71	D	0.20	48
24	8	122.7	0.0	0.0	1	4	0.71	D	3.00	48
26	8	391.6	0.0	0.0	1	4	0.71	D	0.03	48
27	8	208.3	0.0	0.0	1	4	0.71	D	0.02	48
29	8	283.8	0.0	0.0	1	4	0.71	D	2.04	48
33	8	256.1	0.0	0.0	1	4	0.71	D	1.20	48
38	8	226.9	0.0	0.0	1	4	0.71	D	2.18	48
40	8	247.9	0.0	0.0	1	4	0.71	D	2.38	48
42	8	80.2	0.0	0.0	1	4	0.71	D	2.40	48
43	8	82.4	0.0	0.0	1	4	0.71	D	0.68	48
44	8	2.8	0.0	0.0	1	4	0.71	D	3.27	48
48	8	475.5	0.0	0.0	1	4	0.71	D	0.02	48
50	8	379.4	0.0	0.0	1	4	0.71	D	0.44	48
51	8	495.8	0.0	0.0	1	4	0.71	D	0.15	48
52	8	176.3	0.0	0.0	1	4	0.71	D	0.21	48
54	8	614.0	0.0	0.0	1	4	0.71	D	0.62	48
55	8	287.6	0.0	0.0	1	4	0.71	D	1.60	48
58	8	223.5	0.0	0.0	1	4	0.71	D	1.29	48
60	E 8	159.2	0.0	0.0	1	4	0.71	D	1.80	48
62	E 8	91.7	0.0	0.0	1	4	0.71	D	0.05	48

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(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

LINK	CLASS	AAHT	FLOW IN -		MAINT	ACCIDENT		LENGTH	SPD
			VMG 1	VMG 2	TYPE	TYPE	RATE		LIMIT
63	8	104.3	0.0	0.0	1	4	0.71	D	48
64	8	376.1	0.0	0.0	1	4	0.71	D	48
65	8	399.0	0.0	0.0	1	4	0.71	D	48
67	E 8	142.2	0.0	0.0	1	4	0.71	D	48
68	8	67.7	0.0	0.0	1	4	0.71	D	48
69	E 8	61.7	0.0	0.0	1	4	0.71	D	48
70	E 8	453.4	0.0	0.0	1	4	0.71	D	48
71	8	270.1	0.0	0.0	1	4	0.71	D	48
72	8	183.2	0.0	0.0	1	4	0.71	D	48
73	8	86.5	0.0	0.0	1	4	0.71	D	48
74	8	80.9	0.0	0.0	1	4	0.71	D	48
75	8	167.3	0.0	0.0	1	4	0.71	D	48
77	E 8	64.2	0.0	0.0	1	4	0.71	D	48
78	E 8	345.9	0.0	0.0	1	4	0.71	D	48
79	8	376.7	0.0	0.0	1	4	0.71	D	48
80	8	395.6	0.0	0.0	1	4	0.71	D	48
81	8	127.6	0.0	0.0	1	4	0.71	D	48
82	8	449.5	0.0	0.0	1	4	0.71	D	48
83	8	342.9	0.0	0.0	1	4	0.71	D	48
84	E 8	203.9	0.0	0.0	1	4	0.71	D	48
85	8	546.8	0.0	0.0	1	4	0.71	D	48
86	8	191.7	0.0	0.0	1	4	0.71	D	48
87	8	155.3	0.0	0.0	1	4	0.71	D	48
88	E 8	677.3	0.0	0.0	1	4	0.71	D	48
89	8	132.4	0.0	0.0	1	4	0.71	D	48
97	E 8	134.8	0.0	0.0	1	4	0.71	D	48
98	E 8	279.2	0.0	0.0	1	4	0.71	D	48

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103	E	8	159.2	0.0	0.0	1	4	0.71	D	0.05	48
104	E	8	164.4	0.0	0.0	1	4	0.71	D	0.05	48
108		8	307.6	0.0	0.0	1	4	0.71	D	0.01	48
110		8	368.1	0.0	0.0	1	4	0.71	D	0.05	48
112		8	134.6	0.0	0.0	1	4	0.71	D	0.01	48
124	E	8	334.8	0.0	0.0	1	4	0.71	D	0.10	48
125	E	8	133.2	0.0	0.0	1	4	0.71	D	0.10	48
126	E	8	112.2	0.0	0.0	1	4	0.71	D	0.10	48
132	E	8	104.3	0.0	0.0	1	4	0.71	D	0.05	48
133		8	0.5	0.0	0.0	1	4	0.71	D	1.00	48
134	E	8	127.6	0.0	0.0	1	4	0.71	D	0.05	48
135	E	8	31.1	0.0	0.0	1	4	0.71	D	0.05	48
138		8	457.4	0.0	0.0	1	4	0.71	D	0.29	48
139	E	8	8.3	0.0	0.0	1	4	0.71	D	0.05	48
140		8	431.6	0.0	0.0	1	4	0.71	D	0.08	48
141	E	8	54.2	0.0	0.0	1	4	0.71	D	0.05	48
142	E	8	116.2	0.0	0.0	1	4	0.71	D	0.05	48
143	E	8	156.8	0.0	0.0	1	4	0.71	D	0.05	48

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S U M M A R Y O F L I N K S D A T A

(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

LINK	CLASS	AAHT	FLOW IN -	MAINT	ACCIDENT	LENGTH	SPD
		VMG 1	VMG 2	VMG 3	TYPE TYPE RATE		LIMIT
144	E 8	59.1	0.0	0.0	1 4 0.71 D	0.05	48
149	8	42.8	0.0	0.0	1 4 0.71 D	11.20	48
151	8	23.4	0.0	0.0	1 4 0.71 D	27.19	48
153	8	12.4	0.0	0.0	1 4 0.71 D	18.14	48
101	E	37.5	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
102	E	96.0	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
106	E	92.3	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
107	E	50.3	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
109	E	27.1	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
111	E	132.0	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
113	E	140.7	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
114	E	23.5	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
115	E	382.6	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
116	E	429.1	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
119	E	379.5	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
120	E	107.1	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
122	E	272.4	0.0	0.0	UNCLASSIFIED	ENTRY LINK	
128	E	524.5	0.0	0.0	UNCLASSIFIED	ENTRY LINK	

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WARNINGS GIVEN
FOR THE DO-MINIMUM AND/OR CURRENT SCHEMES
ARE LISTED BELOW

** WARNINGS **

- WARNING - THERE WERE BASIC DATA WARNINGS
- THE TRAFFIC PROPORTIONS HAD TO BE RESCALED
- WARNING - ADDITIONAL HEADER OR DELIMITER (9999) LINES HAVE BEEN INSERTED BY THE PROGRAM
- WARNING - SOME LINK LENGTHS WERE GREATER THAN 10 KM (CLASSES 1-6 AND 9-12) OR 3 KM (CLASSES 7-8)
- WARNING - LINK OVERCAPACITY WAS DETECTED

WARNING - THERE WAS LINK OR NODE OVERCAPACITY IN THE DO-MINIMUM SCHEME

** USER OPTIONS **

WARNING - COMBINED LINK-AND-JUNCTION ACCIDENT RATES WERE USED

** PARAMETER CHANGES **

THE USER HAS SPECIFIED NON-DEFAULT VALUES FOR:

SEASONALITY INDEX

M-FACTORS

VEHICLE CATEGORY PROPORTION FACTORS

** END OF ERROR AND/OR WARNING MESSAGES **

** THE FOLLOWING PHASES WERE SELECTED FOR PRINTING 1 2 3 4 5 6 7 10 13 16
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NETWORK RESTRUCTURING

WARNING - LINK 119 HAS BEEN DELETED FROM THE NETWORK
LINK 119 WAS AN ENTRY LINK
NODE 6243 IS NO LONGER IN THE NETWORK

WARNING - LINK 137 HAS BEEN DELETED FROM THE NETWORK
NODE 9645 IS NOW AN ENTRY NODE

WARNING - LINK 121 HAS BEEN ADDED TO THE NETWORK
AND IS JOINED TO NODE 6243 AND NODE 9643
ADDED LINK 121 IS NOT CONNECTED TO THE REST OF THE NETWORK

WARNING - LINK 123 HAS BEEN ADDED TO THE NETWORK
AND IS JOINED TO NODE 6244 AND NODE 9643

WARNING - LINK 136 HAS BEEN ADDED TO THE NETWORK
AND IS JOINED TO NODE 9445 AND NODE 9644

WARNING - LINK 155 HAS BEEN ADDED TO THE NETWORK
AND IS JOINED TO NODE 9643 AND NODE 9644

WARNING - LINK 156 HAS BEEN ADDED TO THE NETWORK
AND IS JOINED TO NODE 9644 AND NODE 9645

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DATA LINE ERRORS AND WARNINGS
(N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

Table with columns: LINE, LINE CONTENTS, and ITEM. It lists multiple entries (450-481) with warnings about flow changes on entry links. Includes a footer with 'PHASE 1', 'D f T', 'C O B A 11 R10', and 'DATE 20.09.'.

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DATA LINE ERRORS AND WARNINGS
(N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

LINE *----- LINE CONTENTS -----*

ON LINE 504 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

504 57 18466. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 516 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

516 69 2276. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 517 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

517 70 9086. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 524 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

524 77 953. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 531 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

531 84 4204. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 538 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

538 91 2880. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 539 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

539 92 1195. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 545 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

545 98 5595. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 548 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

548 101 699. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 549 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

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DATA LINE ERRORS AND WARNINGS
(N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

LINE *----- LINE CONTENTS -----*
549 102 971. 0. 0. 0
+
WARNING +++ +++ DATA ITEM

ON LINE 550 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

550	103	3059.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 551 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
551	104	3156.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 553 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
553	106	676.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 554 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
554	107	988.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 556 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
556	109	566.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 558 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
558	111	2493.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 560 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
560	113	2630.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 561 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
561	114	522.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM
ON LINE 562 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS							
WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED							
562	115	12984.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM

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D A T A L I N E E R R O R S A N D W A R N I N G S
 (N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

LINE *----- LINE CONTENTS -----*

ON LINE 563 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS

WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

563	116	14075.	0.	0.	0		
		+					
WARNING	+++					+++ DATA	ITEM

ON LINE 564 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS

WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

564	117	7967.	0.	0.	0		
-----	-----	-------	----	----	---	--	--

ON LINE 580 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

580 135 640. 0. 0. 0
 +
 WARNING +++ DATA ITEM

ON LINE 583 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

583 139 142. 0. 0. 0
 +
 WARNING +++ DATA ITEM

ON LINE 586 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE FLOW ON THIS ENTRY LINK HAS BEEN CHANGED

586 142 2328. 0. 0. 0
 +
 WARNING +++ DATA ITEM

ON LINE 653 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 10.01

653 145 2 11 0 10.67 2.90 0. 0. 0. 0.
 +
 WARNING +++ DATA ITEM

ON LINE 656 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 10.01

656 148 1 4 0 16.85 5.50 0. 0. 0. 0.0 1.0 0.0 0 0. +++ DATA ITEM
 +

ON LINE 657 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 10.01

657 150 1 4 0 13.64 5.50 0. 0. 0. 0.0 1.0 0.0 0 0. +++ DATA ITEM
 +

ON LINE 685 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 3.01

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DATA LINE ERRORS AND WARNINGS
 (N.B. ERRORS (*) RESULT IN REJECTION OF DATA - WARNINGS (+) DO NOT)

LINE *----- LINE CONTENTS -----*
 685 44 8 4 1 3.27 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
 WARNING +++
 +

ON LINE 741 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 3.01

741 149 8 4 1 11.20 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
 WARNING +++
 +

ON LINE 742 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 3.01

742 151 8 4 1 27.19 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
 WARNING +++
 +

ON LINE 743 BELOW THERE ARE ONE OR MORE ERRORS AND/OR WARNINGS
 WARNING - THE LINK LENGTH IS GREATER THAN 3.01

743 153 8 4 1 18.14 2.90 0.0 0.0 0.0 0 0.2 0.0 +++ DATA ITEM
 WARNING +++
 +

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			L I N K - N O D E			I N D E X					
NODE	LINK	NODE	NODE	LINK	NODE	NODE	LINK	NODE	NODE	LINK	NODE
	1*	220*	6208	2	601	602	3*	601	603*	4	601
6021	5	602	925	6	602	959	7*	620	662*	8*	620
0	9	620	6202	10*	6203*	0	11	624	6242	12*	6244
0	13*	624	0	14	624	9322	15*	655*	656	16	656
6205	17	656	9261	18	925	926	19	925	927	20	926
927	21	926	9261	22	927	928	23	927	9271	24	928
9292	25	928	9645	26	929	953	27	929	954	28	929
959	29	930	931	30	930	956	31*	930	9301*	32*	930
9302*	33	931	933	34*	932	0	35	932	9323	36	932
9324	37	933	934	38	933	938	39	934	936	40	934
958	41	934	2011	42	935	936	43	935	958	44	935
2017	45	936	937	46	937	2010	47	937	2026	48	938
2003	49	938	9445	50	939	2005	51	939	9453	52	939
9455	53	940	941	54	940	2005	55	940	2024	56	941
942	57*	941	6241	58	942	943	59	942	952	60*	942
9421*	61	943	945	62*	943	9431*	63	944	9441	64	944
9448	65	944	9453	66	945	2024	67*	945	9432*	68	952
9271	69*	953	0	70*	953	9291*	71	954	955	72	955
956	73	955	957	74	956	957	75	957	9292	76*	958
9351*	77*	959	960*	78*	2001*	2002	79	2002	2005	80	2002
2008	81	2003	9443	82	2003	9446	83	2006	2007	84*	2006
0	85	2006	2026	86	2007	2008	87	2007	9455	88*	2009*
2010	89	2010	2017	90	2011	2012	91*	2011	2013	92*	2012
0	93	2012	9321	94*	2013	2015*	95	2016	9324	96	2016
9501	97*	2017	2018*	98*	2024	2025*	99	6021	9504	100*	6041*
9504	101*	6201	0	102*	6201	0	103*	6206*	0	104*	6202
0	105	6202	6242	106*	6207	0	107*	6208	0	108	6204
6205	109*	6204	0	110	6204	6207	111*	6205	0	112	6207
6208	113*	6209	0	114*	6209	0	115*	6245*	0	116*	6241
0	117*	6242	0	118*	6246	0	120*	6246	0	121*	6243*
9643	122*	6244	0	123	6244	9643	124*	9261	9262*	125*	9271
9272*	126*	9292	9293*	127*	9321	0	128*	9321	9325	129	9322
9323	130*	9323	0	131*	9325	0	132*	9441	9442*	133	9441
9443	134*	9443	9444*	135*	9445	9449*	136	9445	9644	138	9446
9447	139*	9446	9450*	140	9447	9448	141*	9447	9451*	142*	9448
9452*	143*	9453	9454*	144*	9455	9456*	145	9501	9502	146*	9501
9510*	147*	9502	9503*	148	9502	9506	149	9504	9505	150	9505
9506	151	9505	9508	152*	9506	9507*	153	9506	9508	154*	9508

9509* 155 9643 9644

156 9644 9645

* DENOTES ENTRY LINK OR NODE

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A-NODE	LINK	B-NODE										
220	1	6208										
601	2	602	3	603	4	6021						
602	2	601	5	925	6	959						
603	3	601										
620	7	662	8	0	9	6202						
624	11	6242	13	0	14	9322						
655	15	656										
656	15	655	16	6205	17	9261						
662	7	620										
925	5	602	18	926	19	927						
926	18	925	20	927	21	9261						
927	19	925	20	926	22	928	23	9271				
928	22	927	24	9292	25	9645						
929	26	953	27	954	28	959						
930	29	931	30	956	31	9301	32	9302				
931	29	930	33	933								
932	34	0	35	9323	36	9324						
933	33	931	37	934	38	938						
934	37	933	39	936	40	958	41	2011				
935	42	936	43	958	44	2017						
936	39	934	42	935	45	937						
937	45	936	46	2010	47	2026						
938	38	933	48	2003	49	9445						
939	50	2005	51	9453	52	9455						
940	53	941	54	2005	55	2024						
941	53	940	56	942	57	6241						
942	56	941	58	943	59	952	60	9421				
943	58	942	61	945	62	9431						
944	63	9441	64	9448	65	9453						
945	61	943	66	2024	67	9432						
952	59	942	68	9271								
953	26	929	69	0	70	9291						
954	27	929	71	955								
955	71	954	72	956	73	957						
956	30	930	72	955	74	957						
957	73	955	74	956	75	9292						
958	40	934	43	935	76	9351						
959	6	602	28	929	77	960						
960	77	959										
2001	78	2002										
2002	78	2001	79	2005	80	2008						
2003	48	938	81	9443	82	9446						
2005	50	939	54	940	79	2002						
2006	83	2007	84	0	85	2026						
2007	83	2006	86	2008	87	9455						
2008	80	2002	86	2007								
2009	88	2010										
2010	46	937	88	2009	89	2017						
2011	41	934	90	2012	91	2013						

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A18/A180 Link - revised link lengths
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T H E N E T W O R K

A-NODE	LINK	B-NODE										
2012	90	2011	92	0	93	9321						
2013	91	2011	94	2015								
2015	94	2013										
2016	95	9324	96	9501								
2017	44	935	89	2010	97	2018						
2018	97	2017										
2024	55	940	66	945	98	2025						
2025	98	2024										
2026	47	937	85	2006								

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6021	4	601	99	9504									
6041	100	9504											
6201	101	0	102	0									
6202	9	620	104	0	105	6242							
6203	10	0											
6204	108	6205	109	0	110	6207							
6205	16	656	108	6204	111	0							
6206	103	0											
6207	106	0	110	6204	112	6208							
6208	1	220	107	0	112	6207							
6209	113	0	114	0									
6241	57	941	116	0									
6242	11	624	105	6202	117	0							
6243	121	9643											
6244	12	0	122	0	123	9643							
6245	115	0											
6246	118	0	120	0									
9261	17	656	21	926	124	9262							
9262	124	9261											
9271	23	927	68	952	125	9272							
9272	125	9271											
9291	70	953											
9292	24	928	75	957	126	9293							
9293	126	9292											
9301	31	930											
9302	32	930											
9321	93	2012	127	0	128	9325							
9322	14	624	129	9323									
9323	35	932	129	9322	130	0							
9324	36	932	95	2016									
9325	128	9321	131	0									
9351	76	958											
9421	60	942											
9431	62	943											
9432	67	945											
9441	63	944	132	9442	133	9443							
9442	132	9441											
9443	81	2003	133	9441	134	9444							
9444	134	9443											
9445	49	938	135	9449	136	9644							

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T H E N E T W O R K

A-NODE	LINK	B-NODE										
9446	82	2003	138	9447	139	9450						
9447	138	9446	140	9448	141	9451						
9448	64	944	140	9447	142	9452						
9449	135	9445										
9450	139	9446										
9451	141	9447										
9452	142	9448										
9453	51	939	65	944	143	9454						
9454	143	9453										
9455	52	939	87	2007	144	9456						
9456	144	9455										
9501	96	2016	145	9502	146	9510						
9502	145	9501	147	9503	148	9506						
9503	147	9502										
9504	99	6021	100	6041	149	9505						
9505	149	9504	150	9506	151	9508						
9506	148	9502	150	9505	152	9507	153	9508				
9507	152	9506										
9508	151	9505	153	9506	154	9509						
9509	154	9508										
9510	146	9501										
9643	121	6243	123	6244	155	9644						
9644	136	9445	155	9643	156	9645						
9645	25	928	156	9644								

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A18/A180 Link - revised link lengths
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FOR 2011

S U M M A R Y O F L I N K S D A T A

(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

+ INDICATES THAT CLASSIFICATION IS FOR THIS SCHEME ONLY

LINK	CLASS	AAHT	FLOW IN -		MAINT	ACCIDENT		LENGTH	SPD
		VMG 1	VMG 2	VMG 3	TYPE	TYPE	RATE		LIMIT
2	1 +	608.4	0.0	0.0	+ 1	4	0.22	D 0.05	96
3	E 1 +	562.0	0.0	0.0	+ 1	4	0.22	D 1.30	96
5	1 +	239.6	0.0	0.0	+ 1	4	0.22	D 0.49	96
6	1 +	385.4	0.0	0.0	+ 1	4	0.22	D 2.46	96
20	1 +	178.3	0.0	0.0	+ 1	9	0.40	D 1.76	96
22	1 +	305.7	0.0	0.0	+ 1	9	0.40	D 1.13	96
25	1 +	610.4	0.0	0.0	+ 1	9	0.40	D 0.30	96
28	1 +	337.9	0.0	0.0	+ 1	4	0.22	D 0.85	96
30	1 +	192.7	0.0	0.0	+ 1	9	0.40	D 2.68	96
31	E 1 +	0.5	0.0	0.0	+ 1	9	0.40	D 0.05	96
32	E 1 +	102.9	0.0	0.0	+ 1	9	0.40	D 0.05	96
37	1 +	270.8	0.0	0.0	+ 1	9	0.40	D 1.76	96
41	1 +	927.2	0.0	0.0	+ 1	5	0.17	D 0.87	96
46	1 +	767.0	0.0	0.0	+ 1	4	0.22	D 0.25	96
49	1 +	444.4	0.0	0.0	+ 1	9	0.40	D 0.15	96
53	1 +	592.0	0.0	0.0	+ 1	5	0.17	D 1.38	96
56	1 +	382.3	0.0	0.0	+ 1	9	0.40	D 0.39	96
57	E 1 +	921.2	0.0	0.0	+ 1	5	0.17	D 1.06	96
59	1 +	17.5	0.0	0.0	+ 1	9	0.40	D 2.32	96
61	1 +	178.1	0.0	0.0	+ 1	9	0.40	D 0.20	96
66	1 +	97.9	0.0	0.0	+ 1	9	0.40	D 1.20	96
76	E 1 +	330.0	0.0	0.0	+ 1	9	0.40	D 0.10	96
90	1 +	849.3	0.0	0.0	+ 1	5	0.17	D 0.05	96
91	E 1 +	143.7	0.0	0.0	+ 1	4	0.22	D 0.05	96
92	E 1 +	59.6	0.0	0.0	+ 1	4	0.22	D 0.05	96
93	1 +	908.9	0.0	0.0	+ 1	5	0.17	D 1.90	96
94	E 1 +	203.3	0.0	0.0	+ 1	4	0.22	D 0.05	96
99	1 +	44.4	0.0	0.0	+ 1	4	0.22	D 9.52	96
100	E 1 +	0.5	0.0	0.0	+ 1	4	0.22	D 9.55	96
136	1 +	441.5	0.0	0.0	+ 1	5	0.17	D 1.93	96
148	1 +	17.4	0.0	0.0	+ 1	4	0.22	D 16.85	96
150	1 +	0.5	0.0	0.0	+ 1	4	0.22	D 13.64	96
152	E 1 +	7.0	0.0	0.0	+ 1	4	0.22	D 0.50	96
154	E 1 +	35.9	0.0	0.0	+ 1	9	0.40	D 0.50	96
155	1 +	653.5	0.0	0.0	+ 1	5	0.17	D 1.05	96
156	1 +	610.4	0.0	0.0	+ 1	5	0.17	D 0.19	96
7	E 2 +	1419.0	0.0	0.0	+ 2	11	0.10	D 1.95	113
9	2 +	1252.7	0.0	0.0	+ 2	11	0.10	D 0.10	113
11	2 +	710.3	0.0	0.0	+ 2	11	0.10	D 0.20	113
13	E 2 +	144.3	0.0	0.0	+ 2	11	0.10	D 0.10	113
14	2 +	1034.6	0.0	0.0	+ 2	11	0.10	D 5.90	113
34	E 2 +	389.7	0.0	0.0	+ 2	11	0.10	D 0.10	113
35	2 +	883.5	0.0	0.0	+ 2	11	0.10	D 0.05	113

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A18/A180 Link - revised link lengths
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AS SPECIFIED

FOR 2011

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(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

+ INDICATES THAT CLASSIFICATION IS FOR THIS SCHEME ONLY

LINK	CLASS	AAHT	FLOW IN -		MAINT	ACCIDENT		LENGTH	SPD
		VMG 1	VMG 2	VMG 3	TYPE	TYPE	RATE		LIMIT
36	2 +	1273.0	0.0	0.0	+ 2	11	0.10	D 0.05	113
39	2 +	764.3	0.0	0.0	+ 2	11	0.10	D 1.03	113
45	2 +	843.2	0.0	0.0	+ 2	11	0.10	D 1.27	113
47	2 +	550.8	0.0	0.0	+ 2	11	0.10	D 1.32	113
95	2 +	1641.2	0.0	0.0	+ 2	11	0.10	D 0.10	113
96	2 +	1642.0	0.0	0.0	+ 2	11	0.10	D 9.07	113
105	2 +	1563.1	0.0	0.0	+ 2	11	0.10	D 4.05	113
117	E 2 +	397.4	0.0	0.0	+ 2	11	0.10	D 0.10	113
118	E 2 +	455.3	0.0	0.0	+ 2	11	0.10	D 0.10	113
127	E 2 +	80.3	0.0	0.0	+ 2	11	0.10	D 0.10	113
129	2 +	954.3	0.0	0.0	+ 2	11	0.10	D 0.10	113
130	E 2 +	70.8	0.0	0.0	+ 2	11	0.10	D 0.10	113
131	E 2 +	368.1	0.0	0.0	+ 2	11	0.10	D 0.10	113
145	2 +	1394.3	0.0	0.0	+ 2	11	0.10	D 10.67	113

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146	E	2 +	289.5	0.0	0.0	+ 2	11	0.10	D	0.50	113
147	E	2 +	1377.0	0.0	0.0	+ 2	11	0.10	D	0.50	113
1	E	8 +	208.0	0.0	0.0	+ 1	4	0.71	D	2.00	48
4		8 +	130.5	0.0	0.0	+ 1	4	0.71	D	0.05	48
8		8 +	82.8	0.0	0.0	+ 1	4	0.71	D	0.05	48
10	E	8 +	83.0	0.0	0.0	+ 1	4	0.71	D	0.05	48
12	E	8 +	180.2	0.0	0.0	+ 1	4	0.71	D	0.10	48
15	E	8 +	698.8	0.0	0.0	+ 1	4	0.71	D	0.19	48
16		8 +	407.8	0.0	0.0	+ 1	4	0.71	D	1.24	48
17		8 +	467.5	0.0	0.0	+ 1	4	0.71	D	1.54	48
18		8 +	23.9	0.0	0.0	+ 1	4	0.71	D	2.96	48
19		8 +	216.0	0.0	0.0	+ 1	4	0.71	D	2.96	48
21		8 +	202.8	0.0	0.0	+ 1	4	0.71	D	0.50	48
23		8 +	148.3	0.0	0.0	+ 1	4	0.71	D	0.20	48
24		8 +	326.4	0.0	0.0	+ 1	4	0.71	D	3.00	48
26		8 +	339.7	0.0	0.0	+ 1	4	0.71	D	0.03	48
27		8 +	217.4	0.0	0.0	+ 1	4	0.71	D	0.02	48
29		8 +	163.1	0.0	0.0	+ 1	4	0.71	D	2.04	48
33		8 +	135.7	0.0	0.0	+ 1	4	0.71	D	1.20	48
38		8 +	217.8	0.0	0.0	+ 1	4	0.71	D	2.18	48
40		8 +	248.7	0.0	0.0	+ 1	4	0.71	D	2.38	48
42		8 +	79.3	0.0	0.0	+ 1	4	0.71	D	2.40	48
43		8 +	81.5	0.0	0.0	+ 1	4	0.71	D	0.68	48
44		8 +	2.8	0.0	0.0	+ 1	4	0.71	D	3.27	48
48		8 +	413.1	0.0	0.0	+ 1	4	0.71	D	0.02	48
50		8 +	183.9	0.0	0.0	+ 1	4	0.71	D	0.44	48
51		8 +	290.1	0.0	0.0	+ 1	4	0.71	D	0.15	48
52		8 +	172.7	0.0	0.0	+ 1	4	0.71	D	0.21	48
54		8 +	487.6	0.0	0.0	+ 1	4	0.71	D	0.62	48

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(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

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LINK	CLASS	AAHT	FLOW IN -	MAINT	ACCIDENT	LENGTH	SPD
		VMG 1	VMG 2	VMG 3	TYPE TYPE RATE		LIMIT
55	8 +	268.2	0.0	0.0	+ 1 4	0.71 D	1.60 48
58	8 +	242.7	0.0	0.0	+ 1 4	0.71 D	1.29 48
60	E 8 +	159.2	0.0	0.0	+ 1 4	0.71 D	1.80 48
62	E 8 +	91.7	0.0	0.0	+ 1 4	0.71 D	0.05 48
63	8 +	104.3	0.0	0.0	+ 1 4	0.71 D	0.36 48
64	8 +	228.2	0.0	0.0	+ 1 4	0.71 D	0.33 48
65	8 +	192.7	0.0	0.0	+ 1 4	0.71 D	0.40 48
67	E 8 +	142.2	0.0	0.0	+ 1 4	0.71 D	0.05 48
68	8 +	17.5	0.0	0.0	+ 1 4	0.71 D	1.40 48
69	E 8 +	113.5	0.0	0.0	+ 1 4	0.71 D	0.04 48
70	E 8 +	453.3	0.0	0.0	+ 1 4	0.71 D	2.50 48
71	8 +	330.9	0.0	0.0	+ 1 4	0.71 D	0.08 48
72	8 +	146.1	0.0	0.0	+ 1 4	0.71 D	0.05 48
73	8 +	184.7	0.0	0.0	+ 1 4	0.71 D	0.04 48
74	8 +	46.6	0.0	0.0	+ 1 4	0.71 D	0.04 48
75	8 +	231.3	0.0	0.0	+ 1 4	0.71 D	0.45 48
77	E 8 +	47.5	0.0	0.0	+ 1 4	0.71 D	0.10 48
78	E 8 +	345.9	0.0	0.0	+ 1 4	0.71 D	0.05 48
79	8 +	380.3	0.0	0.0	+ 1 4	0.71 D	0.10 48
80	8 +	403.5	0.0	0.0	+ 1 4	0.71 D	0.50 48
81	8 +	127.6	0.0	0.0	+ 1 4	0.71 D	0.43 48
82	8 +	371.7	0.0	0.0	+ 1 4	0.71 D	0.18 48
83	8 +	341.1	0.0	0.0	+ 1 4	0.71 D	0.12 48
84	E 8 +	209.7	0.0	0.0	+ 1 4	0.71 D	0.05 48
85	8 +	550.8	0.0	0.0	+ 1 4	0.71 D	0.51 48
86	8 +	193.8	0.0	0.0	+ 1 4	0.71 D	0.06 48
87	8 +	150.6	0.0	0.0	+ 1 4	0.71 D	0.13 48
88	E 8 +	677.3	0.0	0.0	+ 1 4	0.71 D	0.05 48
89	8 +	132.5	0.0	0.0	+ 1 4	0.71 D	0.50 48
97	E 8 +	134.8	0.0	0.0	+ 1 4	0.71 D	0.05 48
98	E 8 +	279.1	0.0	0.0	+ 1 4	0.71 D	0.05 48
103	E 8 +	152.6	0.0	0.0	+ 1 4	0.71 D	0.05 48
104	E 8 +	157.4	0.0	0.0	+ 1 4	0.71 D	0.05 48
108	8 +	234.9	0.0	0.0	+ 1 4	0.71 D	0.01 48
110	8 +	298.0	0.0	0.0	+ 1 4	0.71 D	0.05 48
112	8 +	133.4	0.0	0.0	+ 1 4	0.71 D	0.01 48
124	E 8 +	334.8	0.0	0.0	+ 1 4	0.71 D	0.10 48

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125	E	8 +	133.3	0.0	0.0	+ 1	4	0.71	D	0.10	48
126	E	8 +	128.3	0.0	0.0	+ 1	4	0.71	D	0.10	48
132	E	8 +	104.3	0.0	0.0	+ 1	4	0.71	D	0.05	48
133		8 +	0.5	0.0	0.0	+ 1	4	0.71	D	1.00	48
134	E	8 +	127.6	0.0	0.0	+ 1	4	0.71	D	0.05	48
135	E	8 +	31.9	0.0	0.0	+ 1	4	0.71	D	0.05	48
138		8 +	379.0	0.0	0.0	+ 1	4	0.71	D	0.29	48

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GREYHOUND Do-Something

AS SPECIFIED

FOR 2011

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(ANNUAL AVERAGE HOURLY TRAFFIC FLOWS IN THE TRAFFIC FLOW YEAR 2011)

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LINK	CLASS	AAHT	FLOW IN -	VMG 1	VMG 2	VMG 3	MAINT TYPE	ACCIDENT TYPE	RATE	LENGTH	SPD LIMIT
139	E	8 +	7.1	0.0	0.0	+ 1	4	0.71	D	0.05	48
140		8 +	331.3	0.0	0.0	+ 1	4	0.71	D	0.08	48
141	E	8 +	54.2	0.0	0.0	+ 1	4	0.71	D	0.05	48
142	E	8 +	116.1	0.0	0.0	+ 1	4	0.71	D	0.05	48
143	E	8 +	156.8	0.0	0.0	+ 1	4	0.71	D	0.05	48
144	E	8 +	59.1	0.0	0.0	+ 1	4	0.71	D	0.05	48
149		8 +	44.6	0.0	0.0	+ 1	4	0.71	D	11.20	48
151		8 +	25.3	0.0	0.0	+ 1	4	0.71	D	27.19	48
153		8 +	10.6	0.0	0.0	+ 1	4	0.71	D	18.14	48
101	E		34.9	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
102	E		48.4	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
106	E		33.7	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
107	E		49.3	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
109	E		28.2	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
111	E		124.4	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
113	E		131.2	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
114	E		26.0	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
115	E		647.7	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
116	E		702.1	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
120	E		247.3	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
121	E		644.7	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
122	E		503.4	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		
128	E		438.8	0.0	0.0	+		UNCLASSIFIED	ENTRY LINK		

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A18/A180 Link - revised link lengths
GREYHOUND Do-Something

AS SPECIFIED

FOR 2011

WARNINGS GIVEN
FOR THE DO-MINIMUM AND/OR CURRENT SCHEMES
ARE LISTED BELOW

** WARNINGS **

WARNING - THERE WERE BASIC DATA WARNINGS

THE TRAFFIC PROPORTIONS HAD TO BE RESCALED

WARNING - ADDITIONAL HEADER OR DELIMITER (9999) LINES HAVE BEEN INSERTED BY THE PROGRAM

WARNING - SOME LINK LENGTHS WERE GREATER THAN 10 KM (CLASSES 1-6 AND 9-12) OR 3 KM (CLASSES 7-8)

WARNING - LINK OVERCAPACITY WAS DETECTED

WARNING - ENTRY LINK FLOWS HAVE BEEN CHANGED

WARNING - THE NETWORK HAS BEEN RESTRUCTURED

** USER OPTIONS **

WARNING - COMBINED LINK-AND-JUNCTION ACCIDENT RATES WERE USED

** PARAMETER CHANGES **

THE USER HAS SPECIFIED NON-DEFAULT VALUES FOR:

SEASONALITY INDEX

M-FACTORS

VEHICLE CATEGORY PROPORTION FACTORS

** END OF ERROR AND/OR WARNING MESSAGES **

** THE FOLLOWING PHASES WERE SELECTED FOR PRINTING 1 2 3 4 5 6 7 10 13 16
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A18/A180 Link - revised link lengths
 GREYHOUND Do-Something

TABLE 1

C H A N G E S I N T O T A L V E H I C L E K I L O M E T R E S

(MILLIONS OF VEHICLE-KILOMETRES)

YEAR	DO-MINIMUM	DO-SOMETHING	PERCENTAGE CHANGE
2011	625.	627.	0.37
2012	634.	636.	0.37
2013	643.	646.	0.37
2014	653.	655.	0.37
2015	662.	665.	0.37
2016	672.	675.	0.37
2017	680.	682.	0.37
2018	688.	690.	0.37
2019	696.	698.	0.37
2020	704.	707.	0.37
2021	712.	715.	0.37
2022	718.	721.	0.37
2023	725.	727.	0.37
2024	731.	734.	0.37
2025	738.	740.	0.37
2026	744.	747.	0.37
2027	751.	753.	0.37
2028	757.	760.	0.37
2029	764.	766.	0.37
2030	770.	773.	0.37
2031	777.	780.	0.37
2032	777.	780.	0.37
2033	777.	780.	0.37
2034	777.	780.	0.37
2035	777.	780.	0.37
2036	777.	780.	0.37
2037	777.	780.	0.37
2038	777.	780.	0.37
2039	777.	780.	0.37
2040	777.	780.	0.37
2041-2050	7768.	7797.	0.37
2051-2060	7768.	7797.	0.37
2061-2070	7768.	7797.	0.37

TOTAL 45139. 45306. 0.37

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A18/A180 Link - revised link lengths
 GREYHOUND Do-Something

TABLE 4

L I N K A C C I D E N T N U M B E R S A N D C O S T S

TOTAL LINK BENEFIT	*----- DO-MINIMUM SCHEME -----*				*----- DO-SOMETHING SCHEME -----*				*----- BENEFITS -----*		
	NUMBER OF ACCIDENTS --*			TOTAL	NUMBER OF ACCIDENTS --*			TOTAL	NUMBER OF ACCIDENTS --*		
	2011	2025	TOTAL	COST	2011	2025	TOTAL	COST	2011	2025	TOTAL
10	2.6	2.8	170.1	6,187	2.6	2.8	170.1	6,187	0.0	0.0	0.0
27	0.1	0.1	4.0	270	0.1	0.1	3.6	243	0.0	0.0	0.4
722	1.6	1.6	96.9	6,558	1.4	1.4	86.2	5,836	0.2	0.2	10.7
4	0.0	0.0	2.6	96	0.0	0.0	2.7	97	0.0	0.0	0.0
-1	0.2	0.2	13.1	887	0.2	0.2	13.8	938	0.0	0.0	-0.7
5	2.5	2.5	153.7	10,405	1.8	1.8	111.8	7,572	0.7	0.7	41.8
-51	2.2	2.2	132.7	5,803	2.4	2.4	145.9	6,383	-0.2	-0.2	-13.3
6	0.0	0.0	2.7	99	0.0	0.0	1.7	62	0.0	0.0	1.0
2,833	0.1	0.1	5.3	234	0.1	0.1	6.6	289	0.0	0.0	-1.3
7	0.0	0.0	2.9	106	0.0	0.0	1.7	62	0.0	0.0	1.2
-580	0.1	0.1	7.8	343	0.1	0.1	7.5	328	0.0	0.0	0.3
8	0.1	0.1	4.4	159	0.1	0.1	7.4	268	0.0	0.0	-3.0
38	0.0	0.0	0.6	25	0.0	0.0	0.8	33	0.0	0.0	-0.2
9	4.9	4.9	298.8	13,070	5.3	5.3	321.9	14,081	-0.4	-0.4	-23.1
-55	0.9	1.0	60.0	2,184	0.8	0.9	54.3	1,975	0.1	0.1	5.8
10	4.1	4.5	271.6	9,878	3.2	3.4	206.8	7,522	1.0	1.1	64.8
44	6.2	6.7	407.1	14,808	4.5	4.8	294.4	10,710	1.7	1.9	112.7
11	1.2	1.3	77.8	2,831	0.4	0.5	29.0	1,054	0.7	0.8	48.9
15	3.0	3.2	195.6	7,114	4.0	4.3	261.4	9,508	-1.0	-1.1	-65.8
12	1.9	2.2	135.6	7,130	1.1	1.3	77.6	4,083	0.8	0.9	57.9
-109	1.2	1.3	76.9	2,797	0.6	0.7	41.5	1,508	0.5	0.6	35.4
13	1.5	1.8	107.5	5,652	1.2	1.4	85.4	4,493	0.3	0.4	22.0
-8	0.2	0.3	16.2	589	0.2	0.2	12.1	441	0.1	0.1	4.1
14	2.3	2.5	150.5	5,474	6.1	6.6	400.4	14,565	-3.8	-4.1	-249.9
-1,011	0.4	0.5	28.2	1,485	0.6	0.7	45.3	2,382	-0.2	-0.3	-17.1
15	0.1	0.1	4.8	175	0.1	0.1	4.2	152	0.0	0.0	0.6
209	0.0	0.0	1.7	62	0.0	0.0	1.8	65	0.0	0.0	-0.1
16	0.8	0.8	46.7	3,165	0.6	0.6	33.9	2,294	0.2	0.2	12.9
2,356	3.6	3.9	236.8	8,612	2.1	2.2	136.0	4,948	1.5	1.7	100.7
17	2.5	2.9	175.3	9,221	1.8	2.1	127.7	6,718	0.7	0.8	47.6
4,098	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
18	0.0	0.0	1.3	67	0.0	0.0	1.3	67	0.0	0.0	0.0
1,777	1.9	2.1	125.7	4,572	1.0	1.1	66.6	2,423	0.9	1.0	59.1
19	0.0	0.0	2.2	97	0.0	0.0	2.1	90	0.0	0.0	0.2
-2,394	0.0	0.0	2.1	91	0.0	0.0	2.3	102	0.0	0.0	-0.3
20	0.1	0.1	3.2	139	0.1	0.1	3.4	147	0.0	0.0	-0.2
3,047	2.1	2.5	150.9	7,934	1.7	1.9	117.9	6,200	0.5	0.5	33.0
21	3.1	3.3	202.3	7,359	3.0	3.2	194.2	7,063	0.1	0.1	8.1
1,289											
22											
1,159											
23											
148											
24											
-9,091											
25											
-897											
26											
23											
27											
-3											
28											
871											
29											
3,663											
30											
2,503											
31											
0											
32											
0											
33											
2,149											
34											
7											
35											
-11											
36											
-8											
37											
1,735											
38											

					A180V2.PRN							
73	0.0	0.0	1.4	51	0.0	0.0	3.0	110	0.0	0.0	-1.6	
-58												
74	0.0	0.0	1.3	48	0.0	0.0	0.8	28	0.0	0.0	0.6	
20												
75	0.5	0.5	30.8	1,120	0.6	0.7	42.6	1,548	-0.2	-0.2	-11.8	
-429												
76	0.1	0.1	8.2	429	0.1	0.1	8.2	429	0.0	0.0	0.0	
0												
77	0.0	0.0	2.6	95	0.0	0.0	1.9	71	0.0	0.0	0.7	
25												
78	0.1	0.1	7.1	257	0.1	0.1	7.1	257	0.0	0.0	0.0	
0												
79	0.2	0.3	15.4	560	0.2	0.3	15.6	566	0.0	0.0	-0.1	
-5												
80	1.2	1.3	80.9	2,943	1.3	1.4	82.5	3,001	0.0	0.0	-1.6	
-58												
81	0.3	0.4	22.4	816	0.3	0.4	22.4	816	0.0	0.0	0.0	
0												
82	0.5	0.5	33.1	1,204	0.4	0.4	27.4	995	0.1	0.1	5.7	
208												
83	0.3	0.3	16.8	612	0.3	0.3	16.7	609	0.0	0.0	0.1	
3												
84	0.1	0.1	4.2	152	0.1	0.1	4.3	156	0.0	0.0	-0.1	
-4												
85	1.7	1.9	114.0	4,148	1.8	1.9	114.9	4,178	0.0	0.0	-0.8	
-30												
86	0.1	0.1	4.7	171	0.1	0.1	4.8	173	0.0	0.0	-0.1	
-2												
87	0.1	0.1	8.3	300	0.1	0.1	8.0	291	0.0	0.0	0.3	
9												
88	0.2	0.2	13.8	504	0.2	0.2	13.8	504	0.0	0.0	0.0	
0												
89	0.4	0.4	27.1	985	0.4	0.4	27.1	985	0.0	0.0	0.0	
-1												
90	0.1	0.1	4.5	308	0.1	0.1	4.0	269	0.0	0.0	0.6	
39												
91	0.0	0.0	0.8	57	0.0	0.0	0.8	57	0.0	0.0	0.0	
0												
92	0.0	0.0	0.4	24	0.0	0.0	0.4	24	0.0	0.0	0.0	
0												

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A18/A180 Link - revised link lengths
GREYHOUND Do-Something

TABLE 4

L I N K A C C I D E N T N U M B E R S A N D C O S T S

TOTAL LINK BENEFIT	*----- DO-MINIMUM SCHEME -----*			*----- DO-SOMETHING SCHEME -----*				*----- BENEFITS -----*			
	-- NUMBER OF ACCIDENTS --			TOTAL	*-- NUMBER OF ACCIDENTS --*			TOTAL	*-- NUMBER OF ACCIDENTS --*		
	2011	2025	TOTAL	COST	2011	2025	TOTAL	COST	2011	2025	TOTAL
93	3.0	3.0	183.4	12,420	2.6	2.7	161.3	10,922	0.4	0.4	22.1
1,498											
94	0.0	0.0	1.2	81	0.0	0.0	1.2	81	0.0	0.0	0.0
0											
95	0.1	0.1	8.7	379	0.1	0.1	8.7	379	0.0	0.0	0.0
0											
96	12.8	13.0	786.3	34,390	12.8	13.0	785.5	34,355	0.0	0.0	0.8
35											
97	0.0	0.0	2.8	100	0.0	0.0	2.8	100	0.0	0.0	0.0
0											
98	0.1	0.1	5.7	208	0.1	0.1	5.7	208	0.0	0.0	0.0
0											
99	0.8	0.8	47.8	3,236	0.8	0.8	49.9	3,376	0.0	0.0	-2.1
-140											
100	0.0	0.0	0.6	38	0.0	0.0	0.6	38	0.0	0.0	0.0
0											
103	0.0	0.1	3.3	118	0.0	0.1	3.1	113	0.0	0.0	0.1
5											
104	0.1	0.1	3.4	122	0.0	0.1	3.2	117	0.0	0.0	0.1
5											
105	4.7	4.7	285.7	12,496	5.5	5.5	333.9	14,604	-0.8	-0.8	-48.2
-2,108											
108	0.0	0.0	1.3	46	0.0	0.0	1.0	35	0.0	0.0	0.3
11											
110	0.1	0.1	7.5	274	0.1	0.1	6.1	222	0.0	0.0	1.4
52											
112	0.0	0.0	0.6	20	0.0	0.0	0.5	20	0.0	0.0	0.0
0											
117	0.0	0.0	1.4	63	0.0	0.0	2.1	92	0.0	0.0	-0.7

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-29												
118	0.0	0.0	1.7	74	0.0	0.0	2.4	105	0.0	0.0	-0.7	
-31												
124	0.2	0.2	13.7	498	0.2	0.2	13.7	498	0.0	0.0	0.0	
0												
125	0.1	0.1	5.4	198	0.1	0.1	5.5	198	0.0	0.0	0.0	
0												
126	0.1	0.1	4.6	167	0.1	0.1	5.2	191	0.0	0.0	-0.7	
-24												
127	0.0	0.0	0.5	20	0.0	0.0	0.4	19	0.0	0.0	0.0	
2												
129	0.1	0.1	4.6	201	0.1	0.1	5.0	220	0.0	0.0	-0.4	
-19												
130	0.0	0.0	0.5	20	0.0	0.0	0.4	16	0.0	0.0	0.1	
4												
131	0.0	0.0	2.3	101	0.0	0.0	1.9	85	0.0	0.0	0.4	
16												
132	0.0	0.0	2.1	78	0.0	0.0	2.1	78	0.0	0.0	0.0	
0												
133	0.0	0.0	0.2	7	0.0	0.0	0.2	7	0.0	0.0	0.0	
0												
134	0.0	0.0	2.6	95	0.0	0.0	2.6	95	0.0	0.0	0.0	
0												
135	0.0	0.0	0.6	23	0.0	0.0	0.7	24	0.0	0.0	0.0	
-1												
138	0.8	0.9	54.2	1,973	0.7	0.7	44.9	1,635	0.1	0.2	9.3	
338												
139	0.0	0.0	0.2	6	0.0	0.0	0.1	5	0.0	0.0	0.0	
1												
140	0.2	0.2	14.1	514	0.2	0.2	10.8	394	0.1	0.1	3.3	
119												
141	0.0	0.0	1.1	40	0.0	0.0	1.1	40	0.0	0.0	0.0	
0												
142	0.0	0.0	2.4	86	0.0	0.0	2.4	86	0.0	0.0	0.0	
0												
143	0.0	0.1	3.2	117	0.0	0.1	3.2	117	0.0	0.0	0.0	
0												
144	0.0	0.0	1.2	44	0.0	0.0	1.2	44	0.0	0.0	0.0	
0												
145	12.8	13.0	785.6	34,361	12.8	12.9	784.6	34,318	0.0	0.0	1.0	
43												
146	0.1	0.1	7.6	334	0.1	0.1	7.6	334	0.0	0.0	0.0	
0												
147	0.6	0.6	36.3	1,588	0.6	0.6	36.3	1,588	0.0	0.0	0.0	
0												
148	0.6	0.6	38.0	2,572	0.6	0.6	34.5	2,337	0.1	0.1	3.5	
235												
149	3.0	3.2	195.8	7,122	3.1	3.4	204.3	7,430	-0.1	-0.1	-8.5	
-307												
150	0.0	0.0	0.8	54	0.0	0.0	0.8	54	0.0	0.0	0.0	
0												
151	4.0	4.3	260.7	9,483	4.3	4.6	281.2	10,229	-0.3	-0.3	-20.5	
-747												
152	0.0	0.0	0.4	28	0.0	0.0	0.4	28	0.0	0.0	0.0	
0												
153	1.4	1.5	91.8	3,338	1.2	1.3	78.5	2,854	0.2	0.2	13.3	
485												
154	0.1	0.1	4.4	233	0.1	0.1	4.4	233	0.0	0.0	0.0	
0												

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GREYHOUND Do-Something

TABLE 4

TOTAL LINK BENEFIT	L I N K A C C I D E N T N U M B E R S A N D C O S T S											
	----- DO-MINIMUM SCHEME -----				*----- DO-SOMETHING SCHEME -----*				*----- BENEFITS -----*			
	NUMBER OF ACCIDENTS		TOTAL	COST	NUMBER OF ACCIDENTS		TOTAL	COST	NUMBER OF ACCIDENTS		TOTAL	COST
	2011	2025	TOTAL		2011	2025	TOTAL		2011	2025	TOTAL	
SUB TOTAL 21,982	138.3	146.2	8886.5	380,824	131.4	138.6	8423.9	358,842	6.8	7.6	462.6	
137	2.8	3.3	199.5	10,492					2.8	3.3	199.5	
10,492					1.3	1.3	79.6	5,390	-1.3	-1.3	-79.6	
136												
-5,390					1.0	1.1	64.1	4,340	-1.0	-1.1	-64.1	
155												
-4,340												

156						A180V2.PRN						
-733						0.2	0.2	10.8	733	-0.2	-0.2	-10.8
TOTAL	141.1	149.4	9086.0	391,316	134.0	141.1	8578.4	369,305	7.1	8.3	507.6	
22,011												

COSTS IN MARKET PRICES DISCOUNTED TO 2002 IN MULTIPLES OF A THOUSAND POUNDS

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GREYHOUND Do-Something

TABLE 6

A C C I D E N T N U M B E R S , S E V E R I T Y S P L I T A N D C O S T S

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*****
*
*
*
*
*****
*          * LINKS          *          * JUNCTIONS          *          * COMBINED
*
9086.0 *    NUMBER OF ACCIDENTS *          *          *          *          *
*
*    CASUALTIES  FATAL      *          *          *          *          *
124.5 *
*                SERIOUS   *          *          *          *          *
1145.7 *
*                SLIGHT    *          *          *          *          *
12070.7 *
*
*    ACCIDENT  COSTS      *          *          *          *          *
391,316 *
*
*****
*
*
*
*
*****
*
*
*
*
*****

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D O - M I N I M U M

D O - S O M E T H I N G

					A180V2.PRN				
468	2015	0	0	8962	0	0	8494	0	0
468	2016	0	0	8871	0	0	8403	0	0
466	2017	0	0	8754	0	0	8288	0	0
465	2018	0	0	8639	0	0	8174	0	0
464	2019	0	0	8526	0	0	8062	0	0
462	2020	0	0	8414	0	0	7952	0	0
461	2021	0	0	8345	0	0	7884	0	0
456	2022	0	0	8220	0	0	7764	0	0
451	2023	0	0	8098	0	0	7647	0	0
447	2024	0	0	7978	0	0	7531	0	0
443	2025	0	0	7860	0	0	7417	0	0
438	2026	0	0	7744	0	0	7306	0	0
434	2027	0	0	7627	0	0	7193	0	0
429	2028	0	0	7511	0	0	7082	0	0
425	2029	0	0	7398	0	0	6973	0	0
421	2030	0	0	7287	0	0	6866	0	0
416	2031	0	0	7211	0	0	6795	0	0
410	2032	0	0	7106	0	0	6696	0	0
404	2033	0	0	7002	0	0	6598	0	0
398	2034	0	0	6900	0	0	6502	0	0
392	2035	0	0	6799	0	0	6407	0	0
387	2036	0	0	6700	0	0	6313	0	0
381	2037	0	0	6602	0	0	6221	0	0
376	2038	0	0	6519	0	0	6143	0	0
372	2039	0	0	6437	0	0	6066	0	0
367	2040	0	0	6357	0	0	5990	0	0
3424	2041-2050	0	0	59334	0	0	55910	0	0
2997	2051-2060	0	0	51939	0	0	48941	0	0
2620	2061-2070	0	0	45398	0	0	42778	0	0
22011	TOTAL	0	0	391316	0	0	369305	0	0

COSTS IN MARKET PRICES DISCOUNTED TO 2002 IN MULTIPLES OF A THOUSAND POUNDS