

Tuba Output – Preferred Scheme

Transport User Benefit Appraisal TUBA v1.7a
Program run on Tuesday, 20 January 2009 at 17:22:42

ERRORS AND WARNINGS

678 Warnings found

Warning (15 serious): Ratio of DM to DS travel time higher than limit for the following:

Origin	Destination	Time_slice	Veh_type	Purpose	Person_type	Year
DM_time	DS_time	Ratio				
202	88	3	Car	Business	All	2027
0.144	0.037	3.912				
202	88	3	Car	Commuting	All	2027
0.144	0.037	3.912				
202	88	3	Car	Other	All	2027
0.144	0.037	3.912				
202	88	3	LGV Personal	Business	All	2027
0.144	0.037	3.912				
202	88	3	LGV Personal	Commuting	All	2027
0.144	0.037	3.912				
202	88	3	LGV Personal	Other	All	2027
0.144	0.037	3.912				
202	88	3	LGV Freight	Business	All	2027
0.144	0.037	3.912				
202	88	3	LGV Freight	Commuting	All	2027
0.144	0.037	3.912				
202	88	3	LGV Freight	Other	All	2027
0.144	0.037	3.912				
202	88	3	OGV1	Business	All	2027
0.144	0.037	3.912				
202	88	3	OGV1	Commuting	All	2027
0.144	0.037	3.912				
202	88	3	OGV1	Other	All	2027
0.144	0.037	3.912				
202	88	3	OGV2	Business	All	2027
0.144	0.037	3.912				
202	88	3	OGV2	Commuting	All	2027
0.144	0.037	3.912				
202	88	3	OGV2	Other	All	2027
0.144	0.037	3.912				
201	88	3	Car	Business	All	2027
0.215	0.090	2.375				
201	88	3	Car	Commuting	All	2027
0.215	0.090	2.375				
201	88	3	Car	Other	All	2027
0.215	0.090	2.375				
201	88	3	LGV Personal	Business	All	2027
0.215	0.090	2.375				
201	88	3	LGV Personal	Commuting	All	2027
0.215	0.090	2.375				
201	88	3	LGV Personal	Other	All	2027
0.215	0.090	2.375				
201	88	3	LGV Freight	Business	All	2027
0.215	0.090	2.375				

201	88	3	LGV Freight	Commuting	All	2027
0.215	0.090	2.375				
201	88	3	LGV Freight	Other	All	2027
0.215	0.090	2.375				
201	88	3	OGV1	Business	All	2027
0.215	0.090	2.375				
201	88	3	OGV1	Commuting	All	2027
0.215	0.090	2.375				
201	88	3	OGV1	Other	All	2027
0.215	0.090	2.375				
201	88	3	OGV2	Business	All	2027
0.215	0.090	2.375				
201	88	3	OGV2	Commuting	All	2027
0.215	0.090	2.375				
201	88	3	OGV2	Other	All	2027
0.215	0.090	2.375				
105	88	3	Car	Business	All	2027
0.219	0.095	2.298				
105	88	3	Car	Commuting	All	2027
0.219	0.095	2.298				
105	88	3	Car	Other	All	2027
0.219	0.095	2.298				
105	88	3	LGV Personal	Business	All	2027
0.219	0.095	2.298				
105	88	3	LGV Personal	Commuting	All	2027
0.219	0.095	2.298				
105	88	3	LGV Personal	Other	All	2027
0.219	0.095	2.298				
105	88	3	LGV Freight	Business	All	2027
0.219	0.095	2.298				
105	88	3	LGV Freight	Commuting	All	2027
0.219	0.095	2.298				
105	88	3	LGV Freight	Other	All	2027
0.219	0.095	2.298				
105	88	3	OGV1	Business	All	2027
0.219	0.095	2.298				
105	88	3	OGV1	Commuting	All	2027
0.219	0.095	2.298				
105	88	3	OGV1	Other	All	2027
0.219	0.095	2.298				
105	88	3	OGV2	Business	All	2027
0.219	0.095	2.298				
105	88	3	OGV2	Commuting	All	2027
0.219	0.095	2.298				
105	88	3	OGV2	Other	All	2027
0.219	0.095	2.298				
94	203	1	Car	Business	All	2027
0.081	0.044	1.865				
94	203	1	Car	Commuting	All	2027
0.081	0.044	1.865				
94	203	1	Car	Other	All	2027
0.081	0.044	1.865				
94	203	1	LGV Personal	Business	All	2027
0.081	0.044	1.865				
94	203	1	LGV Personal	Commuting	All	2027
0.081	0.044	1.865				
94	203	1	LGV Personal	Other	All	2027

0.081	0.044	1.865				
94	203	1	LGV Freight	Business	All	2027
0.081	0.044	1.865				
94	203	1	LGV Freight	Commuting	All	2027
0.081	0.044	1.865				
94	203	1	LGV Freight	Other	All	2027
0.081	0.044	1.865				
94	203	1	OGV1	Business	All	2027
0.081	0.044	1.865				
94	203	1	OGV1	Commuting	All	2027
0.081	0.044	1.865				
94	203	1	OGV1	Other	All	2027
0.081	0.044	1.865				
94	203	1	OGV2	Business	All	2027
0.081	0.044	1.865				
94	203	1	OGV2	Commuting	All	2027
0.081	0.044	1.865				
94	203	1	OGV2	Other	All	2027
0.081	0.044	1.865				
128	89	1	OGV1	Business	All	2012
0.191	0.107	1.784				
128	89	1	OGV1	Commuting	All	2012
0.191	0.107	1.784				
128	89	1	OGV1	Other	All	2012
0.191	0.107	1.784				
128	89	1	OGV2	Business	All	2012
0.191	0.107	1.784				
128	89	1	OGV2	Commuting	All	2012
0.191	0.107	1.784				
128	89	1	OGV2	Other	All	2012
0.191	0.107	1.784				
128	89	1	OGV1	Business	All	2027
0.194	0.109	1.780				
128	89	1	OGV1	Commuting	All	2027
0.194	0.109	1.780				
128	89	1	OGV1	Other	All	2027
0.194	0.109	1.780				
128	89	1	OGV2	Business	All	2027
0.194	0.109	1.780				
128	89	1	OGV2	Commuting	All	2027
0.194	0.109	1.780				
128	89	1	OGV2	Other	All	2027
0.194	0.109	1.780				
88	202	1	Car	Business	All	2027
0.081	0.046	1.772				
88	202	1	Car	Commuting	All	2027
0.081	0.046	1.772				
88	202	1	Car	Other	All	2027
0.081	0.046	1.772				
88	202	1	LGV Personal	Business	All	2027
0.081	0.046	1.772				
88	202	1	LGV Personal	Commuting	All	2027
0.081	0.046	1.772				
88	202	1	LGV Personal	Other	All	2027
0.081	0.046	1.772				
88	202	1	LGV Freight	Business	All	2027
0.081	0.046	1.772				

88	202	1	LGV Freight	Commuting	All	2027
0.081	0.046	1.772				
88	202	1	LGV Freight	Other	All	2027
0.081	0.046	1.772				
88	202	1	OGV1	Business	All	2027
0.081	0.046	1.772				
88	202	1	OGV1	Commuting	All	2027
0.081	0.046	1.772				
88	202	1	OGV1	Other	All	2027
0.081	0.046	1.772				
88	202	1	OGV2	Business	All	2027
0.081	0.046	1.772				
88	202	1	OGV2	Commuting	All	2027
0.081	0.046	1.772				
88	202	1	OGV2	Other	All	2027
0.081	0.046	1.772				
128	89	2	OGV1	Business	All	2012
0.189	0.107	1.760				
128	89	2	OGV1	Commuting	All	2012
0.189	0.107	1.760				
128	89	2	OGV1	Other	All	2012
0.189	0.107	1.760				
128	89	2	OGV2	Business	All	2012
0.189	0.107	1.760				
128	89	2	OGV2	Commuting	All	2012
0.189	0.107	1.760				
128	89	2	OGV2	Other	All	2012
0.189	0.107	1.760				
128	89	2	OGV1	Business	All	2027
0.192	0.110	1.757				
128	89	2	OGV1	Commuting	All	2027
0.192	0.110	1.757				
128	89	2	OGV1	Other	All	2027
0.192	0.110	1.757				
128	89	2	OGV2	Business	All	2027
0.192	0.110	1.757				
128	89	2	OGV2	Commuting	All	2027
0.192	0.110	1.757				
128	89	2	OGV2	Other	All	2027
0.192	0.110	1.757				
108	89	1	OGV1	Business	All	2012
0.191	0.110	1.746				
108	89	1	OGV1	Commuting	All	2012
0.191	0.110	1.746				
108	89	1	OGV1	Other	All	2012
0.191	0.110	1.746				
108	89	1	OGV2	Business	All	2012
0.191	0.110	1.746				
108	89	1	OGV2	Commuting	All	2012
0.191	0.110	1.746				
108	89	1	OGV2	Other	All	2012
0.191	0.110	1.746				
108	89	2	OGV1	Business	All	2012
0.191	0.110	1.734				
108	89	2	OGV1	Commuting	All	2012
0.191	0.110	1.734				
108	89	2	OGV1	Other	All	2012

0.191	0.110	1.734				
108	89	2	OGV2	Business	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Commuting	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Other	All	2012
0.191	0.110	1.734				
108	89	1	OGV1	Business	All	2027
0.194	0.112	1.726				
108	89	1	OGV1	Commuting	All	2027
0.194	0.112	1.726				
108	89	1	OGV1	Other	All	2027
0.194	0.112	1.726				
108	89	1	OGV2	Business	All	2027
0.194	0.112	1.726				
108	89	1	OGV2	Commuting	All	2027
0.194	0.112	1.726				
108	89	1	OGV2	Other	All	2027
0.194	0.112	1.726				
108	89	2	OGV1	Business	All	2027
0.195	0.113	1.725				
108	89	2	OGV1	Commuting	All	2027
0.195	0.113	1.725				
108	89	2	OGV1	Other	All	2027
0.195	0.113	1.725				
108	89	2	OGV2	Business	All	2027
0.195	0.113	1.725				
108	89	2	OGV2	Commuting	All	2027
0.195	0.113	1.725				
108	89	2	OGV2	Other	All	2027
0.195	0.113	1.725				
89	128	2	OGV1	Business	All	2012
0.189	0.110	1.722				
89	128	2	OGV1	Commuting	All	2012
0.189	0.110	1.722				
89	128	2	OGV1	Other	All	2012
0.189	0.110	1.722				
89	128	2	OGV2	Business	All	2012
0.189	0.110	1.722				
89	128	2	OGV2	Commuting	All	2012
0.189	0.110	1.722				
89	128	2	OGV2	Other	All	2012
0.189	0.110	1.722				
89	128	2	OGV1	Business	All	2027
0.193	0.113	1.716				
89	128	2	OGV1	Commuting	All	2027
0.193	0.113	1.716				
89	128	2	OGV1	Other	All	2027
0.193	0.113	1.716				
89	128	2	OGV2	Business	All	2027
0.193	0.113	1.716				
89	128	2	OGV2	Commuting	All	2027
0.193	0.113	1.716				
89	128	2	OGV2	Other	All	2027
0.193	0.113	1.716				
89	108	2	OGV1	Business	All	2012
0.192	0.114	1.680				

89	108	2	OGV1	Commuting	All	2012
0.192	0.114	1.680				
89	108	2	OGV1	Other	All	2012
0.192	0.114	1.680				
89	108	2	OGV2	Business	All	2012
0.192	0.114	1.680				
89	108	2	OGV2	Commuting	All	2012
0.192	0.114	1.680				
89	108	2	OGV2	Other	All	2012
0.192	0.114	1.680				
89	108	2	OGV1	Business	All	2027
0.197	0.117	1.674				
89	108	2	OGV1	Commuting	All	2027
0.197	0.117	1.674				
89	108	2	OGV1	Other	All	2027
0.197	0.117	1.674				
89	108	2	OGV2	Business	All	2027
0.197	0.117	1.674				
89	108	2	OGV2	Commuting	All	2027
0.197	0.117	1.674				
89	108	2	OGV2	Other	All	2027
0.197	0.117	1.674				
109	89	1	OGV1	Business	All	2012
0.188	0.114	1.652				
109	89	1	OGV1	Commuting	All	2012
0.188	0.114	1.652				
109	89	1	OGV1	Other	All	2012
0.188	0.114	1.652				
109	89	1	OGV2	Business	All	2012
0.188	0.114	1.652				
109	89	1	OGV2	Commuting	All	2012
0.188	0.114	1.652				
109	89	1	OGV2	Other	All	2012
0.188	0.114	1.652				
89	128	1	OGV1	Business	All	2012
0.200	0.121	1.645				
89	128	1	OGV1	Commuting	All	2012
0.200	0.121	1.645				
89	128	1	OGV1	Other	All	2012
0.200	0.121	1.645				
89	128	1	OGV2	Business	All	2012
0.200	0.121	1.645				
89	128	1	OGV2	Commuting	All	2012
0.200	0.121	1.645				
89	128	1	OGV2	Other	All	2012
0.200	0.121	1.645				
128	90	1	OGV1	Business	All	2027
0.216	0.132	1.643				
128	90	1	OGV1	Commuting	All	2027
0.216	0.132	1.643				
128	90	1	OGV1	Other	All	2027
0.216	0.132	1.643				
128	90	1	OGV2	Business	All	2027
0.216	0.132	1.643				
128	90	1	OGV2	Commuting	All	2027
0.216	0.132	1.643				
128	90	1	OGV2	Other	All	2027

0.216	0.132	1.643				
128	90	1	OGV1	Business	All	2012
0.213	0.130	1.640				
128	90	1	OGV1	Commuting	All	2012
0.213	0.130	1.640				
128	90	1	OGV1	Other	All	2012
0.213	0.130	1.640				
128	90	1	OGV2	Business	All	2012
0.213	0.130	1.640				
128	90	1	OGV2	Commuting	All	2012
0.213	0.130	1.640				
128	90	1	OGV2	Other	All	2012
0.213	0.130	1.640				
109	89	1	OGV1	Business	All	2027
0.191	0.117	1.637				
109	89	1	OGV1	Commuting	All	2027
0.191	0.117	1.637				
109	89	1	OGV1	Other	All	2027
0.191	0.117	1.637				
109	89	1	OGV2	Business	All	2027
0.191	0.117	1.637				
109	89	1	OGV2	Commuting	All	2027
0.191	0.117	1.637				
109	89	1	OGV2	Other	All	2027
0.191	0.117	1.637				
109	89	2	OGV1	Business	All	2012
0.187	0.115	1.635				
109	89	2	OGV1	Commuting	All	2012
0.187	0.115	1.635				
109	89	2	OGV1	Other	All	2012
0.187	0.115	1.635				
109	89	2	OGV2	Business	All	2012
0.187	0.115	1.635				
109	89	2	OGV2	Commuting	All	2012
0.187	0.115	1.635				
109	89	2	OGV2	Other	All	2012
0.187	0.115	1.635				
109	89	2	OGV1	Business	All	2027
0.191	0.118	1.629				
109	89	2	OGV1	Commuting	All	2027
0.191	0.118	1.629				
109	89	2	OGV1	Other	All	2027
0.191	0.118	1.629				
109	89	2	OGV2	Business	All	2027
0.191	0.118	1.629				
109	89	2	OGV2	Commuting	All	2027
0.191	0.118	1.629				
109	89	2	OGV2	Other	All	2027
0.191	0.118	1.629				
128	90	2	OGV1	Business	All	2012
0.211	0.131	1.616				
128	90	2	OGV1	Commuting	All	2012
0.211	0.131	1.616				
128	90	2	OGV1	Other	All	2012
0.211	0.131	1.616				
128	90	2	OGV2	Business	All	2012
0.211	0.131	1.616				

128	90	2	OGV2	Commuting	All	2012
0.211	0.131	1.616				
128	90	2	OGV2	Other	All	2012
0.211	0.131	1.616				
108	90	1	OGV1	Business	All	2012
0.214	0.133	1.611				
108	90	1	OGV1	Commuting	All	2012
0.214	0.133	1.611				
108	90	1	OGV1	Other	All	2012
0.214	0.133	1.611				
108	90	1	OGV2	Business	All	2012
0.214	0.133	1.611				
108	90	1	OGV2	Commuting	All	2012
0.214	0.133	1.611				
108	90	1	OGV2	Other	All	2012
0.214	0.133	1.611				
128	90	2	OGV1	Business	All	2027
0.215	0.134	1.610				
128	90	2	OGV1	Commuting	All	2027
0.215	0.134	1.610				
128	90	2	OGV1	Other	All	2027
0.215	0.134	1.610				
128	90	2	OGV2	Business	All	2027
0.215	0.134	1.610				
128	90	2	OGV2	Commuting	All	2027
0.215	0.134	1.610				
128	90	2	OGV2	Other	All	2027
0.215	0.134	1.610				
89	109	2	OGV1	Business	All	2012
0.188	0.117	1.603				
89	109	2	OGV1	Commuting	All	2012
0.188	0.117	1.603				
89	109	2	OGV1	Other	All	2012
0.188	0.117	1.603				
89	109	2	OGV2	Business	All	2012
0.188	0.117	1.603				
89	109	2	OGV2	Commuting	All	2012
0.188	0.117	1.603				
89	109	2	OGV2	Other	All	2012
0.188	0.117	1.603				
108	90	1	OGV1	Business	All	2027
0.216	0.135	1.601				
108	90	1	OGV1	Commuting	All	2027
0.216	0.135	1.601				
108	90	1	OGV1	Other	All	2027
0.216	0.135	1.601				
108	90	1	OGV2	Business	All	2027
0.216	0.135	1.601				
108	90	1	OGV2	Commuting	All	2027
0.216	0.135	1.601				
108	90	1	OGV2	Other	All	2027
0.216	0.135	1.601				
89	108	1	OGV1	Business	All	2012
0.205	0.128	1.599				
89	108	1	OGV1	Commuting	All	2012
0.205	0.128	1.599				
89	108	1	OGV1	Other	All	2012

0.205	0.128	1.599				
89	108	1	OGV2	Business	All	2012
0.205	0.128	1.599				
89	108	1	OGV2	Commuting	All	2012
0.205	0.128	1.599				
89	108	1	OGV2	Other	All	2012
0.205	0.128	1.599				
108	90	2	OGV1	Business	All	2012
0.214	0.134	1.597				
108	90	2	OGV1	Commuting	All	2012
0.214	0.134	1.597				
108	90	2	OGV1	Other	All	2012
0.214	0.134	1.597				
108	90	2	OGV2	Business	All	2012
0.214	0.134	1.597				
108	90	2	OGV2	Commuting	All	2012
0.214	0.134	1.597				
108	90	2	OGV2	Other	All	2012
0.214	0.134	1.597				
89	109	2	OGV1	Business	All	2027
0.192	0.120	1.597				
89	109	2	OGV1	Commuting	All	2027
0.192	0.120	1.597				
89	109	2	OGV1	Other	All	2027
0.192	0.120	1.597				
89	109	2	OGV2	Business	All	2027
0.192	0.120	1.597				
89	109	2	OGV2	Commuting	All	2027
0.192	0.120	1.597				
89	109	2	OGV2	Other	All	2027
0.192	0.120	1.597				
90	128	3	OGV1	Business	All	2012
0.214	0.135	1.588				
90	128	3	OGV1	Commuting	All	2012
0.214	0.135	1.588				
90	128	3	OGV1	Other	All	2012
0.214	0.135	1.588				
90	128	3	OGV2	Business	All	2012
0.214	0.135	1.588				
90	128	3	OGV2	Commuting	All	2012
0.214	0.135	1.588				
90	128	3	OGV2	Other	All	2012
0.214	0.135	1.588				
108	90	2	OGV1	Business	All	2027
0.218	0.137	1.587				
108	90	2	OGV1	Commuting	All	2027
0.218	0.137	1.587				
108	90	2	OGV1	Other	All	2027
0.218	0.137	1.587				
108	90	2	OGV2	Business	All	2027
0.218	0.137	1.587				
108	90	2	OGV2	Commuting	All	2027
0.218	0.137	1.587				
108	90	2	OGV2	Other	All	2027
0.218	0.137	1.587				
90	128	2	OGV1	Business	All	2012
0.210	0.134	1.574				

90	128	2	OGV1	Commuting	All	2012
0.210	0.134	1.574				
90	128	2	OGV1	Other	All	2012
0.210	0.134	1.574				
90	128	2	OGV2	Business	All	2012
0.210	0.134	1.574				
90	128	2	OGV2	Commuting	All	2012
0.210	0.134	1.574				
90	128	2	OGV2	Other	All	2012
0.210	0.134	1.574				
128	90	3	OGV1	Business	All	2012
0.230	0.147	1.566				
128	90	3	OGV1	Commuting	All	2012
0.230	0.147	1.566				
128	90	3	OGV1	Other	All	2012
0.230	0.147	1.566				
128	90	3	OGV2	Business	All	2012
0.230	0.147	1.566				
128	90	3	OGV2	Commuting	All	2012
0.230	0.147	1.566				
128	90	3	OGV2	Other	All	2012
0.230	0.147	1.566				
90	128	2	OGV1	Business	All	2027
0.215	0.138	1.557				
90	128	2	OGV1	Commuting	All	2027
0.215	0.138	1.557				
90	128	2	OGV1	Other	All	2027
0.215	0.138	1.557				
90	128	2	OGV2	Business	All	2027
0.215	0.138	1.557				
90	128	2	OGV2	Commuting	All	2027
0.215	0.138	1.557				
90	128	2	OGV2	Other	All	2027
0.215	0.138	1.557				
94	202	1	OGV1	Business	All	2027
0.245	0.157	1.554				
94	202	1	OGV1	Commuting	All	2027
0.245	0.157	1.554				
94	202	1	OGV1	Other	All	2027
0.245	0.157	1.554				
94	202	1	OGV2	Business	All	2027
0.245	0.157	1.554				
94	202	1	OGV2	Commuting	All	2027
0.245	0.157	1.554				
94	202	1	OGV2	Other	All	2027
0.245	0.157	1.554				
201	117	3	Car	Business	All	2027
0.211	0.136	1.553				
201	117	3	Car	Commuting	All	2027
0.211	0.136	1.553				
201	117	3	Car	Other	All	2027
0.211	0.136	1.553				
201	117	3	LGV Personal	Business	All	2027
0.211	0.136	1.553				
201	117	3	LGV Personal	Commuting	All	2027
0.211	0.136	1.553				
201	117	3	LGV Personal	Other	All	2027

0.211	0.136	1.553				
201	117	3	LGV Freight	Business	All	2027
0.211	0.136	1.553				
201	117	3	LGV Freight	Commuting	All	2027
0.211	0.136	1.553				
201	117	3	LGV Freight	Other	All	2027
0.211	0.136	1.553				
90	108	3	OGV1	Business	All	2012
0.215	0.139	1.545				
90	108	3	OGV1	Commuting	All	2012
0.215	0.139	1.545				
90	108	3	OGV1	Other	All	2012
0.215	0.139	1.545				
90	108	3	OGV2	Business	All	2012
0.215	0.139	1.545				
90	108	3	OGV2	Commuting	All	2012
0.215	0.139	1.545				
90	108	3	OGV2	Other	All	2012
0.215	0.139	1.545				
90	108	2	OGV1	Business	All	2012
0.213	0.138	1.545				
90	108	2	OGV1	Commuting	All	2012
0.213	0.138	1.545				
90	108	2	OGV1	Other	All	2012
0.213	0.138	1.545				
90	108	2	OGV2	Business	All	2012
0.213	0.138	1.545				
90	108	2	OGV2	Commuting	All	2012
0.213	0.138	1.545				
90	108	2	OGV2	Other	All	2012
0.213	0.138	1.545				
94	202	1	Car	Business	All	2027
0.243	0.157	1.543				
94	202	1	Car	Commuting	All	2027
0.243	0.157	1.543				
94	202	1	Car	Other	All	2027
0.243	0.157	1.543				
94	202	1	LGV Personal	Business	All	2027
0.243	0.157	1.543				
94	202	1	LGV Personal	Commuting	All	2027
0.243	0.157	1.543				
94	202	1	LGV Personal	Other	All	2027
0.243	0.157	1.543				
94	202	1	LGV Freight	Business	All	2027
0.243	0.157	1.543				
94	202	1	LGV Freight	Commuting	All	2027
0.243	0.157	1.543				
94	202	1	LGV Freight	Other	All	2027
0.243	0.157	1.543				
90	128	3	OGV1	Business	All	2027
0.219	0.142	1.542				
90	128	3	OGV1	Commuting	All	2027
0.219	0.142	1.542				
90	128	3	OGV1	Other	All	2027
0.219	0.142	1.542				
90	128	3	OGV2	Business	All	2027
0.219	0.142	1.542				

90	128	3	OGV2	Commuting	All	2027
0.219	0.142	1.542				
90	128	3	OGV2	Other	All	2027
0.219	0.142	1.542				
109	90	1	OGV1	Business	All	2012
0.211	0.137	1.538				
109	90	1	OGV1	Commuting	All	2012
0.211	0.137	1.538				
109	90	1	OGV1	Other	All	2012
0.211	0.137	1.538				
109	90	1	OGV2	Business	All	2012
0.211	0.137	1.538				
109	90	1	OGV2	Commuting	All	2012
0.211	0.137	1.538				
109	90	1	OGV2	Other	All	2012
0.211	0.137	1.538				
94	90	1	Car	Business	All	2027
0.073	0.047	1.538				
94	90	1	Car	Commuting	All	2027
0.073	0.047	1.538				
94	90	1	Car	Other	All	2027
0.073	0.047	1.538				
94	90	1	LGV Personal	Business	All	2027
0.073	0.047	1.538				
94	90	1	LGV Personal	Commuting	All	2027
0.073	0.047	1.538				
94	90	1	LGV Personal	Other	All	2027
0.073	0.047	1.538				
94	90	1	LGV Freight	Business	All	2027
0.073	0.047	1.538				
94	90	1	LGV Freight	Commuting	All	2027
0.073	0.047	1.538				
94	90	1	LGV Freight	Other	All	2027
0.073	0.047	1.538				
94	90	1	OGV1	Business	All	2027
0.073	0.047	1.538				
94	90	1	OGV1	Commuting	All	2027
0.073	0.047	1.538				
94	90	1	OGV1	Other	All	2027
0.073	0.047	1.538				
94	90	1	OGV2	Business	All	2027
0.073	0.047	1.538				
94	90	1	OGV2	Commuting	All	2027
0.073	0.047	1.538				
94	90	1	OGV2	Other	All	2027
0.073	0.047	1.538				
109	90	1	OGV1	Business	All	2027
0.213	0.139	1.531				
109	90	1	OGV1	Commuting	All	2027
0.213	0.139	1.531				
109	90	1	OGV1	Other	All	2027
0.213	0.139	1.531				
109	90	1	OGV2	Business	All	2027
0.213	0.139	1.531				
109	90	1	OGV2	Commuting	All	2027
0.213	0.139	1.531				
109	90	1	OGV2	Other	All	2027

0.213	0.139	1.531				
108	90	3	OGV1	Business	All	2012
0.234	0.153	1.530				
108	90	3	OGV1	Commuting	All	2012
0.234	0.153	1.530				
108	90	3	OGV1	Other	All	2012
0.234	0.153	1.530				
108	90	3	OGV2	Business	All	2012
0.234	0.153	1.530				
108	90	3	OGV2	Commuting	All	2012
0.234	0.153	1.530				
108	90	3	OGV2	Other	All	2012
0.234	0.153	1.530				
90	108	2	OGV1	Business	All	2027
0.218	0.143	1.528				
90	108	2	OGV1	Commuting	All	2027
0.218	0.143	1.528				
90	108	2	OGV1	Other	All	2027
0.218	0.143	1.528				
90	108	2	OGV2	Business	All	2027
0.218	0.143	1.528				
90	108	2	OGV2	Commuting	All	2027
0.218	0.143	1.528				
90	108	2	OGV2	Other	All	2027
0.218	0.143	1.528				
89	109	1	OGV1	Business	All	2012
0.200	0.131	1.526				
89	109	1	OGV1	Commuting	All	2012
0.200	0.131	1.526				
89	109	1	OGV1	Other	All	2012
0.200	0.131	1.526				
89	109	1	OGV2	Business	All	2012
0.200	0.131	1.526				
89	109	1	OGV2	Commuting	All	2012
0.200	0.131	1.526				
89	109	1	OGV2	Other	All	2012
0.200	0.131	1.526				
109	90	2	OGV1	Business	All	2012
0.210	0.138	1.520				
109	90	2	OGV1	Commuting	All	2012
0.210	0.138	1.520				
109	90	2	OGV1	Other	All	2012
0.210	0.138	1.520				
109	90	2	OGV2	Business	All	2012
0.210	0.138	1.520				
109	90	2	OGV2	Commuting	All	2012
0.210	0.138	1.520				
109	90	2	OGV2	Other	All	2012
0.210	0.138	1.520				
201	118	3	Car	Business	All	2027
0.186	0.123	1.515				
201	118	3	Car	Commuting	All	2027
0.186	0.123	1.515				
201	118	3	Car	Other	All	2027
0.186	0.123	1.515				
201	118	3	LGV Personal	Business	All	2027
0.186	0.123	1.515				

201	118	3	LGV Personal	Commuting	All	2027
0.186	0.123	1.515				
201	118	3	LGV Personal	Other	All	2027
0.186	0.123	1.515				
201	118	3	LGV Freight	Business	All	2027
0.186	0.123	1.515				
201	118	3	LGV Freight	Commuting	All	2027
0.186	0.123	1.515				
201	118	3	LGV Freight	Other	All	2027
0.186	0.123	1.515				
109	90	2	OGV1	Business	All	2027
0.214	0.142	1.512				
109	90	2	OGV1	Commuting	All	2027
0.214	0.142	1.512				
109	90	2	OGV1	Other	All	2027
0.214	0.142	1.512				
109	90	2	OGV2	Business	All	2027
0.214	0.142	1.512				
109	90	2	OGV2	Commuting	All	2027
0.214	0.142	1.512				
109	90	2	OGV2	Other	All	2027
0.214	0.142	1.512				
105	118	3	Car	Business	All	2027
0.198	0.132	1.504				
105	118	3	Car	Commuting	All	2027
0.198	0.132	1.504				
105	118	3	Car	Other	All	2027
0.198	0.132	1.504				
105	118	3	LGV Personal	Business	All	2027
0.198	0.132	1.504				
105	118	3	LGV Personal	Commuting	All	2027
0.198	0.132	1.504				
105	118	3	LGV Personal	Other	All	2027
0.198	0.132	1.504				
105	118	3	LGV Freight	Business	All	2027
0.198	0.132	1.504				
105	118	3	LGV Freight	Commuting	All	2027
0.198	0.132	1.504				
105	118	3	LGV Freight	Other	All	2027
0.198	0.132	1.504				

Displayed 384 warnings.

Warning (none serious): Ratio of DM to DS travel distance higher than limit for the following:

Origin	Destination	Time_slice	Veh_type	Purpose	Person_type	Year
DM_dist	DS_dist	Ratio				
108	102	3	OGV1	Business	All	2027
17.767	10.669	1.665				
108	103	3	OGV1	Business	All	2027
17.767	10.669	1.665				
108	102	3	OGV1	Commuting	All	2027
17.767	10.669	1.665				
108	103	3	OGV1	Commuting	All	2027
17.767	10.669	1.665				
108	102	3	OGV1	Other	All	2027
17.767	10.669	1.665				
108	103	3	OGV1	Other	All	2027

17.767	10.669	1.665				
108	102	3	OGV2	Business	All	2027
17.767	10.669	1.665				
108	103	3	OGV2	Business	All	2027
17.767	10.669	1.665				
108	102	3	OGV2	Commuting	All	2027
17.767	10.669	1.665				
108	103	3	OGV2	Commuting	All	2027
17.767	10.669	1.665				
108	102	3	OGV2	Other	All	2027
17.767	10.669	1.665				
108	103	3	OGV2	Other	All	2027
17.767	10.669	1.665				
108	89	2	OGV1	Business	All	2012
9.581	5.823	1.645				
108	89	2	OGV1	Commuting	All	2012
9.581	5.823	1.645				
108	89	2	OGV1	Other	All	2012
9.581	5.823	1.645				
108	89	2	OGV2	Business	All	2012
9.581	5.823	1.645				
108	89	2	OGV2	Commuting	All	2012
9.581	5.823	1.645				
108	89	2	OGV2	Other	All	2012
9.581	5.823	1.645				
108	89	2	OGV1	Business	All	2027
9.574	5.823	1.644				
108	89	2	OGV1	Commuting	All	2027
9.574	5.823	1.644				
108	89	2	OGV1	Other	All	2027
9.574	5.823	1.644				
108	89	2	OGV2	Business	All	2027
9.574	5.823	1.644				
108	89	2	OGV2	Commuting	All	2027
9.574	5.823	1.644				
108	89	2	OGV2	Other	All	2027
9.574	5.823	1.644				
89	108	1	OGV1	Business	All	2012
9.565	5.823	1.643				
89	108	1	OGV1	Commuting	All	2012
9.565	5.823	1.643				
89	108	1	OGV1	Other	All	2012
9.565	5.823	1.643				
89	108	1	OGV2	Business	All	2012
9.565	5.823	1.643				
89	108	1	OGV2	Commuting	All	2012
9.565	5.823	1.643				
89	108	1	OGV2	Other	All	2012
9.565	5.823	1.643				
108	89	1	OGV1	Business	All	2012
9.560	5.823	1.642				
108	89	1	OGV1	Commuting	All	2012
9.560	5.823	1.642				
108	89	1	OGV1	Other	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Business	All	2012
9.560	5.823	1.642				

108	89	1	OGV2	Commuting	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Business	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Business	All	2027
9.560	5.823	1.642				
89	108	2	OGV1	Commuting	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Commuting	All	2027
9.560	5.823	1.642				
89	108	2	OGV1	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Other	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Business	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Business	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Commuting	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Commuting	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Other	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Business	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Commuting	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Other	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Business	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Commuting	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Other	All	2027
9.560	5.823	1.642				
128	102	3	OGV1	Business	All	2027
18.236	11.129	1.639				
128	103	3	OGV1	Business	All	2027
18.236	11.129	1.639				
128	102	3	OGV1	Commuting	All	2027
18.236	11.129	1.639				
128	103	3	OGV1	Commuting	All	2027
18.236	11.129	1.639				
128	102	3	OGV1	Other	All	2027
18.236	11.129	1.639				
128	103	3	OGV1	Other	All	2027
18.236	11.129	1.639				
128	102	3	OGV2	Business	All	2027
18.236	11.129	1.639				
128	103	3	OGV2	Business	All	2027
18.236	11.129	1.639				
128	102	3	OGV2	Commuting	All	2027

18.236	11.129	1.639				
128	103	3	OGV2	Commuting	All	2027
18.236	11.129	1.639				
128	102	3	OGV2	Other	All	2027
18.236	11.129	1.639				
128	103	3	OGV2	Other	All	2027
18.236	11.129	1.639				
89	128	1	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Business	All	2027
10.080	6.283	1.604				
89	128	1	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Commuting	All	2027
10.080	6.283	1.604				
89	128	1	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Other	All	2027
10.080	6.283	1.604				
89	128	1	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Business	All	2027
10.080	6.283	1.604				
89	128	1	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Commuting	All	2027
10.080	6.283	1.604				
89	128	1	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Other	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Business	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Business	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Business	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Commuting	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Commuting	All	2027
10.080	6.283	1.604				

128	89	2	OGV1	Commuting	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Other	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Other	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Other	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Business	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Business	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Business	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Commuting	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Commuting	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Commuting	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Other	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Other	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Other	All	2027
10.080	6.283	1.604				
89	108	1	OGV1	Business	All	2027
9.563	6.133	1.559				
89	108	1	OGV1	Commuting	All	2027
9.563	6.133	1.559				
89	108	1	OGV1	Other	All	2027
9.563	6.133	1.559				
89	108	1	OGV2	Business	All	2027
9.563	6.133	1.559				
89	108	1	OGV2	Commuting	All	2027
9.563	6.133	1.559				
89	108	1	OGV2	Other	All	2027
9.563	6.133	1.559				
89	109	1	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Business	All	2012
9.360	6.023	1.554				
89	109	1	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Commuting	All	2012
9.360	6.023	1.554				
89	109	1	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Other	All	2012

9.360	6.023	1.554				
89	109	1	OGV2	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Business	All	2012
9.360	6.023	1.554				
89	109	1	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Commuting	All	2012
9.360	6.023	1.554				
89	109	1	OGV2	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Other	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Business	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Business	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Business	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Commuting	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Commuting	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Commuting	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Other	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Other	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Other	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Business	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Business	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Business	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Business	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Commuting	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Commuting	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Commuting	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Other	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Other	All	2012
9.360	6.023	1.554				

89	109	2	OGV2	Other	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Other	All	2027
9.360	6.023	1.554				
109	89	1	OGV1	Business	All	2027
9.360	6.023	1.554				
109	89	1	OGV1	Commuting	All	2027
9.360	6.023	1.554				
109	89	1	OGV1	Other	All	2027
9.360	6.023	1.554				
109	89	1	OGV2	Business	All	2027
9.360	6.023	1.554				
109	89	1	OGV2	Commuting	All	2027
9.360	6.023	1.554				
109	89	1	OGV2	Other	All	2027
9.360	6.023	1.554				
94	108	3	OGV1	Business	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Commuting	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Other	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Business	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Commuting	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Other	All	2012
13.942	9.078	1.536				
108	94	1	OGV1	Business	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Commuting	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Other	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Business	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Commuting	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Other	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Business	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Commuting	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Other	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Business	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Commuting	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Other	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Business	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Business	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Commuting	All	2012

13.902	9.078	1.531				
108	94	2	OGV1	Commuting	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Other	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Business	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Business	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Commuting	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Commuting	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Other	All	2027
13.902	9.078	1.531				
89	128	1	OGV1	Business	All	2027
10.080	6.597	1.528				
89	128	1	OGV1	Commuting	All	2027
10.080	6.597	1.528				
89	128	1	OGV1	Other	All	2027
10.080	6.597	1.528				
89	128	1	OGV2	Business	All	2027
10.080	6.597	1.528				
89	128	1	OGV2	Commuting	All	2027
10.080	6.597	1.528				
89	128	1	OGV2	Other	All	2027
10.080	6.597	1.528				
94	108	3	OGV1	Business	All	2027
13.839	9.078	1.524				
94	108	3	OGV1	Commuting	All	2027
13.839	9.078	1.524				
94	108	3	OGV1	Other	All	2027
13.839	9.078	1.524				
94	108	3	OGV2	Business	All	2027
13.839	9.078	1.524				
94	108	3	OGV2	Commuting	All	2027
13.839	9.078	1.524				
94	108	3	OGV2	Other	All	2027
13.839	9.078	1.524				
94	108	2	OGV1	Business	All	2027
13.785	9.078	1.518				
94	108	2	OGV1	Commuting	All	2027
13.785	9.078	1.518				
94	108	2	OGV1	Other	All	2027
13.785	9.078	1.518				
94	108	2	OGV2	Business	All	2027
13.785	9.078	1.518				
94	108	2	OGV2	Commuting	All	2027
13.785	9.078	1.518				
94	108	2	OGV2	Other	All	2027
13.785	9.078	1.518				
94	108	2	OGV1	Business	All	2012
13.782	9.078	1.518				

94	108	2	OGV1	Commuting	All	2012
13.782	9.078	1.518				
94	108	2	OGV1	Other	All	2012
13.782	9.078	1.518				
94	108	2	OGV2	Business	All	2012
13.782	9.078	1.518				
94	108	2	OGV2	Commuting	All	2012
13.782	9.078	1.518				
94	108	2	OGV2	Other	All	2012
13.782	9.078	1.518				
94	108	1	OGV1	Business	All	2012
13.942	9.187	1.518				
94	108	1	OGV1	Commuting	All	2012
13.942	9.187	1.518				
94	108	1	OGV1	Other	All	2012
13.942	9.187	1.518				
94	108	1	OGV2	Business	All	2012
13.942	9.187	1.518				
94	108	1	OGV2	Commuting	All	2012
13.942	9.187	1.518				
94	108	1	OGV2	Other	All	2012
13.942	9.187	1.518				
94	128	2	OGV1	Business	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Business	All	2027
14.402	9.538	1.510				
94	128	2	OGV1	Commuting	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Commuting	All	2027
14.402	9.538	1.510				
94	128	2	OGV1	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Other	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Business	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Business	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Commuting	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Commuting	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Other	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Business	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Business	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Commuting	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Commuting	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Other	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Other	All	2027

14.402	9.538	1.510				
94	128	3	OGV2	Business	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Business	All	2027
14.402	9.538	1.510				
94	128	3	OGV2	Commuting	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Commuting	All	2027
14.402	9.538	1.510				
94	128	3	OGV2	Other	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Other	All	2027
14.402	9.538	1.510				
109	94	1	OGV1	Business	All	2027
13.991	9.278	1.508				
109	94	1	OGV1	Commuting	All	2027
13.991	9.278	1.508				
109	94	1	OGV1	Other	All	2027
13.991	9.278	1.508				
109	94	1	OGV2	Business	All	2027
13.991	9.278	1.508				
109	94	1	OGV2	Commuting	All	2027
13.991	9.278	1.508				
109	94	1	OGV2	Other	All	2027
13.991	9.278	1.508				
128	94	1	OGV1	Business	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Business	All	2027
14.362	9.538	1.506				
128	94	1	OGV1	Commuting	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Commuting	All	2027
14.362	9.538	1.506				
128	94	1	OGV1	Other	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Other	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Business	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Business	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Commuting	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Commuting	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Other	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Other	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Business	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Business	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Commuting	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Commuting	All	2027

128	94	2	OGV1	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Other	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Business	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Business	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Commuting	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Commuting	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Other	All	2027
14.362	9.538	1.506				
128	102	3	OGV1	Business	All	2012
16.507	10.982	1.503				
128	103	3	OGV1	Business	All	2012
16.507	10.982	1.503				
128	102	3	OGV1	Commuting	All	2012
16.507	10.982	1.503				
128	103	3	OGV1	Commuting	All	2012
16.507	10.982	1.503				
128	102	3	OGV1	Other	All	2012
16.507	10.982	1.503				
128	103	3	OGV1	Other	All	2012
16.507	10.982	1.503				
128	102	3	OGV2	Business	All	2012
16.507	10.982	1.503				
128	103	3	OGV2	Business	All	2012
16.507	10.982	1.503				
128	102	3	OGV2	Commuting	All	2012
16.507	10.982	1.503				
128	103	3	OGV2	Commuting	All	2012
16.507	10.982	1.503				
128	102	3	OGV2	Other	All	2012
16.507	10.982	1.503				
128	103	3	OGV2	Other	All	2012
16.507	10.982	1.503				
108	90	2	OGV1	Business	All	2012
11.254	7.496	1.501				
108	90	2	OGV1	Commuting	All	2012
11.254	7.496	1.501				
108	90	2	OGV1	Other	All	2012
11.254	7.496	1.501				
108	90	2	OGV2	Business	All	2012
11.254	7.496	1.501				
108	90	2	OGV2	Commuting	All	2012
11.254	7.496	1.501				
108	90	2	OGV2	Other	All	2012
11.254	7.496	1.501				
108	90	2	OGV1	Business	All	2027
11.247	7.496	1.500				
108	90	2	OGV1	Commuting	All	2027
11.247	7.496	1.500				
108	90	2	OGV1	Other	All	2027

11.247	7.496	1.500					
108	90	2	OGV2	Business	All		2027
11.247	7.496	1.500					
108	90	2	OGV2	Commuting	All		2027
11.247	7.496	1.500					
108	90	2	OGV2	Other	All		2027
11.247	7.496	1.500					

Displayed 294 warnings.

INPUT_SUMMARY

Run name	A18-A180 link
DM scheme	Do nothing
DS scheme	With Scheme

Economic parameter file X:\2007-08\Series D087 Project Planning & Appraisal\D087019 A18-A180 Link MSBC\Tuba\Tuba input Jan2009\economics.txt
 Scheme parameter file X:\2007-08\Series D087 Project Planning & Appraisal\D087019 A18-A180 Link MSBC\Tuba\Tuba input Jan2009\SCHEME.TXT

First year of scheme costs	2008
First Appraisal Year	2012
Last Appraisal Year	2071
Modelled years	2012 2027

Time period	Total hours
AM peak	633
PM peak	633
Inter-peak	1518
Total	2784

Note: All monetary values are in 2002 market prices. All monetary values discounted to 2002 unless otherwise stated.

DM_SCHEME_COSTS

Do minimum scheme costs. Undiscounted £000s

Mode	Year	Prep.	Superv.	Constr.
Land	Maint.	Oper.	Grant/Sub.	Dev._Cont
Road	2008	0	0	0
0	0	0	0	0
Road	2009	0	0	0
0	0	0	0	0
Road	2010	0	0	0
0	0	0	0	0
Road	2011	0	0	0
0	0	0	0	0
Road	2012	0	0	0
0	0	0	0	0
Road	2013	0	0	0
0	0	0	0	0
Road	2014	0	0	0
0	0	0	0	0
Road	2015	0	0	0
0	0	0	0	0
Road	2016	0	0	0

0	0	0	0	0	0	0
Road	2017	0	0	0	0	0
0	0	0	0	0	0	0
Road	2018	0	0	0	0	0
0	0	0	0	0	0	0
Road	2019	0	0	0	0	0
0	0	0	0	0	0	0
Road	2020	0	0	0	0	0
0	0	0	0	0	0	0
Road	2021	0	0	0	0	0
0	0	0	0	0	0	0
Road	2022	0	0	0	0	0
0	0	0	0	0	0	0
Road	2023	0	0	0	0	0
0	0	0	0	0	0	0
Road	2024	0	0	0	0	0
0	0	0	0	0	0	0
Road	2025	0	0	0	0	0
0	0	0	0	0	0	0
Road	2026	0	0	0	0	0
0	0	0	0	0	0	0
Road	2027	0	0	0	0	0
0	0	0	0	0	0	0
Road	2028	0	0	0	0	0
0	0	0	0	0	0	0
Road	2029	0	0	0	0	0
0	0	0	0	0	0	0
Road	2030	0	0	0	0	0
0	0	0	0	0	0	0
Road	2031	0	0	0	0	0
0	0	0	0	0	0	0
Road	2032	0	0	0	0	0
0	0	0	0	0	0	0
Road	2033	0	0	0	0	0
0	0	0	0	0	0	0
Road	2034	0	0	0	0	0
0	0	0	0	0	0	0
Road	2035	0	0	0	0	0
0	0	0	0	0	0	0
Road	2036	0	0	0	0	0
0	0	0	0	0	0	0
Road	2037	0	0	0	0	0
0	0	0	0	0	0	0
Road	2038	0	0	0	0	0
0	0	0	0	0	0	0
Road	2039	0	0	0	0	0
0	0	0	0	0	0	0
Road	2040	0	0	0	0	0
0	0	0	0	0	0	0
Road	2041	0	0	0	0	0
0	0	0	0	0	0	0
Road	2042	0	0	0	0	0
0	0	0	0	0	0	0
Road	2043	0	0	0	0	0
0	0	0	0	0	0	0
Road	2044	0	0	0	0	0
0	0	0	0	0	0	0

Road	2045	0	0	0	0	0
0	0	0	0	0	0	0
Road	2046	0	0	0	0	0
0	0	0	0	0	0	0
Road	2047	0	0	0	0	0
0	0	0	0	0	0	0
Road	2048	0	0	0	0	0
0	0	0	0	0	0	0
Road	2049	0	0	0	0	0
0	0	0	0	0	0	0
Road	2050	0	0	0	0	0
0	0	0	0	0	0	0
Road	2051	0	0	0	0	0
0	0	0	0	0	0	0
Road	2052	0	0	0	0	0
0	0	0	0	0	0	0
Road	2053	0	0	0	0	0
0	0	0	0	0	0	0
Road	2054	0	0	0	0	0
0	0	0	0	0	0	0
Road	2055	0	0	0	0	0
0	0	0	0	0	0	0
Road	2056	0	0	0	0	0
0	0	0	0	0	0	0
Road	2057	0	0	0	0	0
0	0	0	0	0	0	0
Road	2058	0	0	0	0	0
0	0	0	0	0	0	0
Road	2059	0	0	0	0	0
0	0	0	0	0	0	0
Road	2060	0	0	0	0	0
0	0	0	0	0	0	0
Road	2061	0	0	0	0	0
0	0	0	0	0	0	0
Road	2062	0	0	0	0	0
0	0	0	0	0	0	0
Road	2063	0	0	0	0	0
0	0	0	0	0	0	0
Road	2064	0	0	0	0	0
0	0	0	0	0	0	0
Road	2065	0	0	0	0	0
0	0	0	0	0	0	0
Road	2066	0	0	0	0	0
0	0	0	0	0	0	0
Road	2067	0	0	0	0	0
0	0	0	0	0	0	0
Road	2068	0	0	0	0	0
0	0	0	0	0	0	0
Road	2069	0	0	0	0	0
0	0	0	0	0	0	0
Road	2070	0	0	0	0	0
0	0	0	0	0	0	0
Road	2071	0	0	0	0	0
0	0	0	0	0	0	0

DS_SCHEME_COSTS

Do something scheme costs. Undiscounted £000s

Mode	Year	Prep.	Superv.	Constr.
Land	Maint.	Oper.	Grant/Sub.	Dev._Cont
Road	2008	0	0	0
0	0	0	0	0
Road	2009	375	0	0
85	0	0	0	0
Road	2010	417	0	416
28	0	0	0	0
Road	2011	42	0	7495
0	0	0	0	0
Road	2012	0	0	416
0	0	25	0	0
Road	2013	0	0	0
0	0	25	0	0
Road	2014	0	0	0
0	0	25	0	0
Road	2015	0	0	0
0	0	25	0	0
Road	2016	0	0	0
0	0	25	0	0
Road	2017	0	0	0
0	0	25	0	0
Road	2018	0	0	0
0	0	25	0	0
Road	2019	0	0	0
0	0	25	0	0
Road	2020	0	0	0
0	0	25	0	0
Road	2021	0	0	0
0	0	25	0	0
Road	2022	0	0	0
0	0	25	0	0
Road	2023	0	0	0
0	0	25	0	0
Road	2024	0	0	0
0	0	25	0	0
Road	2025	0	0	0
0	0	25	0	0
Road	2026	0	0	0
0	0	25	0	0
Road	2027	0	0	0
0	0	25	0	0
Road	2028	0	0	0
0	0	25	0	0
Road	2029	0	0	0
0	0	25	0	0
Road	2030	0	0	0
0	0	25	0	0
Road	2031	0	0	0
0	0	25	0	0
Road	2032	0	0	0
0	0	25	0	0
Road	2033	0	0	0
0	0	25	0	0
Road	2034	0	0	0
0	0	25	0	0
Road	2035	0	0	0

0	0	25	0	0	0	0
Road	2036	0	0	0	0	0
0	0	25	0	0	0	0
Road	2037	0	0	0	0	0
0	0	25	0	0	0	0
Road	2038	0	0	0	0	0
0	0	25	0	0	0	0
Road	2039	0	0	0	0	0
0	0	25	0	0	0	0
Road	2040	0	0	0	0	0
0	0	25	0	0	0	0
Road	2041	0	0	0	0	0
0	0	25	0	0	0	0
Road	2042	0	0	0	0	0
0	0	25	0	0	0	0
Road	2043	0	0	0	0	0
0	0	25	0	0	0	0
Road	2044	0	0	0	0	0
0	0	25	0	0	0	0
Road	2045	0	0	0	0	0
0	0	25	0	0	0	0
Road	2046	0	0	0	0	0
0	0	25	0	0	0	0
Road	2047	0	0	0	0	0
0	0	25	0	0	0	0
Road	2048	0	0	0	0	0
0	0	25	0	0	0	0
Road	2049	0	0	0	0	0
0	0	25	0	0	0	0
Road	2050	0	0	0	0	0
0	0	25	0	0	0	0
Road	2051	0	0	0	0	0
0	0	25	0	0	0	0
Road	2052	0	0	0	0	0
0	0	25	0	0	0	0
Road	2053	0	0	0	0	0
0	0	25	0	0	0	0
Road	2054	0	0	0	0	0
0	0	25	0	0	0	0
Road	2055	0	0	0	0	0
0	0	25	0	0	0	0
Road	2056	0	0	0	0	0
0	0	25	0	0	0	0
Road	2057	0	0	0	0	0
0	0	25	0	0	0	0
Road	2058	0	0	0	0	0
0	0	25	0	0	0	0
Road	2059	0	0	0	0	0
0	0	25	0	0	0	0
Road	2060	0	0	0	0	0
0	0	25	0	0	0	0
Road	2061	0	0	0	0	0
0	0	25	0	0	0	0
Road	2062	0	0	0	0	0
0	0	25	0	0	0	0
Road	2063	0	0	0	0	0
0	0	25	0	0	0	0

Road	2064	0	0	0
0	0	25	0	0
Road	2065	0	0	0
0	0	25	0	0
Road	2066	0	0	0
0	0	25	0	0
Road	2067	0	0	0
0	0	25	0	0
Road	2068	0	0	0
0	0	25	0	0
Road	2069	0	0	0
0	0	25	0	0
Road	2070	0	0	0
0	0	25	0	0
Road	2071	0	0	0
0	0	25	0	0

PRESENT_VALUE_COSTS

Scheme investment and operating costs (i.e. excluding grant/subsidy, developer contributions and delays) and differences. £000s.

Mode	Year	DM_scheme_costs	DS_scheme_costs	Difference
Road	2008	0	0	0
Road	2009	0	362	362
Road	2010	0	655	655
Road	2011	0	5530	5530
Road	2012	0	313	313
Road	2013	0	17	17
Road	2014	0	17	17
Road	2015	0	16	16
Road	2016	0	15	15
Road	2017	0	15	15
Road	2018	0	14	14
Road	2019	0	14	14
Road	2020	0	13	13
Road	2021	0	13	13
Road	2022	0	13	13
Road	2023	0	12	12
Road	2024	0	12	12
Road	2025	0	11	11
Road	2026	0	11	11
Road	2027	0	11	11
Road	2028	0	10	10
Road	2029	0	10	10
Road	2030	0	10	10
Road	2031	0	9	9
Road	2032	0	9	9
Road	2033	0	9	9
Road	2034	0	8	8
Road	2035	0	8	8
Road	2036	0	8	8
Road	2037	0	8	8
Road	2038	0	7	7
Road	2039	0	7	7
Road	2040	0	7	7
Road	2041	0	7	7
Road	2042	0	6	6
Road	2043	0	6	6

Road	2044	0	6	6
Road	2045	0	6	6
Road	2046	0	6	6
Road	2047	0	6	6
Road	2048	0	5	5
Road	2049	0	5	5
Road	2050	0	5	5
Road	2051	0	5	5
Road	2052	0	5	5
Road	2053	0	5	5
Road	2054	0	5	5
Road	2055	0	4	4
Road	2056	0	4	4
Road	2057	0	4	4
Road	2058	0	4	4
Road	2059	0	4	4
Road	2060	0	4	4
Road	2061	0	4	4
Road	2062	0	4	4
Road	2063	0	3	3
Road	2064	0	3	3
Road	2065	0	3	3
Road	2066	0	3	3
Road	2067	0	3	3
Road	2068	0	3	3
Road	2069	0	3	3
Road	2070	0	3	3
Road	2071	0	3	3
Road	Total	0	7310	7310

TRIP_MATRIX_TOTALS

Annualised total trip numbers(thousands)

Submode	Year	Time period	DO MIN	DO SOM
Car	2012	AM peak	4052	4047
Car	2012	PM peak	4581	4549
Car	2012	Inter-peak	4809	4809
Car	2012	All	13442	13405
Car	2027	AM peak	4670	4667
Car	2027	PM peak	5287	5285
Car	2027	Inter-peak	5573	5573
Car	2027	All	15529	15525
LGV Personal	2012	AM peak	97	97
LGV Personal	2012	PM peak	73	72
LGV Personal	2012	Inter-peak	202	202
LGV Personal	2012	All	371	371
LGV Personal	2027	AM peak	112	112
LGV Personal	2027	PM peak	84	84
LGV Personal	2027	Inter-peak	234	234
LGV Personal	2027	All	429	429
LGV Freight	2012	AM peak	698	697
LGV Freight	2012	PM peak	529	525
LGV Freight	2012	Inter-peak	1497	1497
LGV Freight	2012	All	2723	2719
LGV Freight	2027	AM peak	804	804
LGV Freight	2027	PM peak	610	610
LGV Freight	2027	Inter-peak	1734	1734
LGV Freight	2027	All	3149	3148

OGV1	2012	AM peak	446	444
OGV1	2012	PM peak	383	383
OGV1	2012	Inter-peak	1205	1205
OGV1	2012	All	2034	2032
OGV1	2027	AM peak	579	578
OGV1	2027	PM peak	500	499
OGV1	2027	Inter-peak	1563	1563
OGV1	2027	All	2642	2640
OGV2	2012	AM peak	167	167
OGV2	2012	PM peak	144	144
OGV2	2012	Inter-peak	390	390
OGV2	2012	All	701	700
OGV2	2027	AM peak	217	217
OGV2	2027	PM peak	187	187
OGV2	2027	Inter-peak	506	506
OGV2	2027	All	910	910
All	2012	AM peak	5460	5452
All	2012	PM peak	5709	5673
All	2012	Inter-peak	8102	8102
All	2012	All	19271	19227
All	2027	AM peak	6382	6377
All	2027	PM peak	6667	6665
All	2027	Inter-peak	9610	9610
All	2027	All	22659	22652

DM&DS_USER_COSTS

Total value of user costs, DM and DS. £000s.

Mode	Year	DMtot_time	DMtot_charge	DMtot_fuel
DMtot_nonfuel	DStot_time	DStot_charge	DStot_fuel	DStot_nonfuel
Road	2012	36387	0	17931
12860	36188	0	17930	12886
Road	2027	34406	0	12889
9390	33848	0	12871	9408

FUEL_CONSUMPTION

Total fuel consumption, DM and DS. kilolitres.

Submode	Year	Do minimum		Do something
		petrol	diesel	petrol
diesel				
Car	2012	8214	3149	8253
3162				
Car	2027	7167	4318	7168
4319				
LGV Personal	2012	70	340	71
341				
LGV Personal	2027	81	390	81
391				
LGV Freight	2012	516	2490	518
2502				
LGV Freight	2027	593	2857	595
2866				
OGV1	2012	0	12635	0
12589				
OGV1	2027	0	16122	0
16076				
OGV2	2012	0	5929	0
5908				

OGV2	2027	0	7601	0
7581				
All	2012	8800	24542	8842
24502				
All	2027	7841	31288	7845
31233				
Car	Total	434432	249600	434763
249756				
LGV Personal	Total	4769	22987	4784
23058				
LGV Freight	Total	34965	168508	35082
169055				
OGV1	Total	0	939419	0
936637				
OGV2	Total	0	442709	0
441490				
All	Total	474167	1823223	474630
1819997				

CARBON_EMISSION

		Emissions (tonnes)			
cost (£000s, low)		cost (£000s, central)			
Submode	Year	DM	DS	Increase	
DM	DS	Increase	DM	DS	
Increase	DM	DS	Increase	DS	
Car	2012	7184	7216		32
248	249	1	432		434
2	801	805	4		
Car	2027	7307	7308		1
198	198	0	310		310
0	534	534	0		
LGV Personal	2012	279	280		1
10	10	0	17		17
0	31	31	0		
LGV Personal	2027	318	319		1
9	9	0	13		14
23	23	0			
LGV Freight	2012	2044	2054		10
71	71	0	123		124
1	228	229	1		
LGV Freight	2027	2330	2337		7
63	63	0	99		99
0	170	171	1		
OGV1	2012	8780	8748		-32
303	302	-1	528		526
-2	979	976	-4		
OGV1	2027	11123	11091		-32
302	301	-1	473		471
-1	814	811	-2		
OGV2	2012	4120	4106		-14
142	142	0	248		247
-1	460	458	-2		
OGV2	2027	5245	5231		-14
142	142	0	223		222
-1	384	383	-1		
All	2012	22407	22404		-3

773	773	0	1348	1348
0	2499	2499	0	
All	2027	26322	26285	-37
715	714	-1	1118	1117
-2	1925	1922	-3	
Car	Total	434739	435047	308
9441	9450	9	14324	14339
15	24091	24118	27	
LGV Personal	Total	18749	18807	58
405	407	1	614	616
2	1031	1035	3	
LGV Freight	Total	137441	137890	449
2971	2981	10	4500	4516
15	7559	7585	26	
OGV1	Total	648450	646530	-1920
13934	13892	-42	21064	21000
-64	35325	35219	-107	
OGV2	Total	305587	304745	-841
6565	6547	-18	9923	9895
-28	16641	16594	-47	
All	Total	1544966	1543019	-1947
33316	33276	-40	50425	50366
-59	84647	84550	-98	

MODE

User benefits and changes in revenues by mode, all years. £000s.

Mode	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	Fuel
Non_fuel	PT_fares_(pri	Time	PT_fares_(pri	
		Taxes		
Road	2012	648	0	131
45	0	-1		
Road	2013	686	0	131
45	0	-2		
Road	2014	722	0	130
44	0	-4		
Road	2015	757	0	129
44	0	-5		
Road	2016	790	0	128
43	0	-6		
Road	2017	822	0	127
43	0	-7		
Road	2018	853	0	126
43	0	-8		
Road	2019	882	0	124
42	0	-9		
Road	2020	910	0	123
42	0	-9		
Road	2021	937	0	122
41	0	-10		
Road	2022	959	0	120
41	0	-10		
Road	2023	980	0	119
40	0	-11		
Road	2024	999	0	117
40	0	-11		
Road	2025	1017	0	116

39	0	-11		
Road	2026	1035	0	115
39	0	-12		
Road	2027	1050	0	113
38	0	-12		
Road	2028	1028	0	109
37	0	-12		
Road	2029	1007	0	106
35	0	-11		
Road	2030	986	0	102
34	0	-11		
Road	2031	965	0	99
33	0	-10		
Road	2032	949	0	95
32	0	-10		
Road	2033	933	0	92
31	0	-10		
Road	2034	917	0	89
30	0	-9		
Road	2035	901	0	86
29	0	-9		
Road	2036	886	0	83
28	0	-9		
Road	2037	872	0	80
27	0	-9		
Road	2038	860	0	78
26	0	-8		
Road	2039	848	0	76
25	0	-8		
Road	2040	836	0	73
25	0	-8		
Road	2041	825	0	71
24	0	-8		
Road	2042	813	0	69
23	0	-7		
Road	2043	802	0	67
23	0	-7		
Road	2044	791	0	65
22	0	-7		
Road	2045	780	0	63
21	0	-7		
Road	2046	769	0	61
21	0	-7		
Road	2047	758	0	60
20	0	-6		
Road	2048	748	0	58
19	0	-6		
Road	2049	738	0	56
19	0	-6		
Road	2050	727	0	55
18	0	-6		
Road	2051	717	0	53
18	0	-6		
Road	2052	706	0	51
17	0	-5		
Road	2053	696	0	50
17	0	-5		

Road	2054	685	0	49
16	0	-5		
Road	2055	675	0	47
16	0	-5		
Road	2056	664	0	46
15	0	-5		
Road	2057	654	0	44
15	0	-5		
Road	2058	644	0	43
14	0	-5		
Road	2059	635	0	42
14	0	-4		
Road	2060	625	0	41
14	0	-4		
Road	2061	615	0	39
13	0	-4		
Road	2062	607	0	38
13	0	-4		
Road	2063	599	0	37
12	0	-4		
Road	2064	590	0	36
12	0	-4		
Road	2065	582	0	35
12	0	-4		
Road	2066	574	0	34
11	0	-4		
Road	2067	567	0	33
11	0	-4		
Road	2068	559	0	32
11	0	-3		
Road	2069	551	0	31
10	0	-3		
Road	2070	544	0	30
10	0	-3		
Road	2071	536	0	29
10	0	-3		
Road	Total	46814	0	4605
1551	0	-408		

SUBMODE

User benefits and changes in revenues by submode/vehicle type, modelled years and total. £000s.

Submode	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
		Taxes		
Non_fuel	PT_fares_(pri			
Car	2012	474	0	40
-7	0	17		
Car	2027	800	0	46
-4	0	0		
LGV Personal	2012	8	0	2
-2	0	1		
LGV Personal	2027	11	0	2
-1	0	0		
LGV Freight	2012	111	0	12
15	0	5		
LGV Freight	2027	171	0	13

12	0	2		
OGV1	2012	41	0	53
24	0	-17		
OGV1	2027	51	0	37
19	0	-10		
OGV2	2012	14	0	24
16	0	-7		
OGV2	2027	18	0	17
13	0	-4		
All	2012	648	0	131
45	0	-1		
All	2027	1050	0	113
38	0	-12		
Car	Total	35280	0	1757
-168	0	108		
LGV Personal	Total	497	0	67
-60	0	12		
LGV Freight	Total	7820	0	498
485	0	111		
OGV1	Total	2380	0	1567
778	0	-444		
OGV2	Total	827	0	716
517	0	-195		
All	Total	46804	0	4605
1551	0	-408		

PERSON_TYPES

User benefits and changes in revenues by person type, modelled years and total. £000s.

Person_type	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
Non_fuel	PT_fares_(pri	Taxes		
All	2012	648	0	131
45	0	-1		
All	2027	1050	0	113
38	0	-12		
All	Total	46780	0	4604
1551	0	-408		

PURPOSE

User benefits and changes in revenues by trip purpose, modelled years and total. £000s.

Purpose	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
Non_fuel	PT_fares_(pri	Taxes		
Business	2012	395	0	97
69	0	-15		
Business	2027	628	0	73
58	0	-12		
Commuting	2012	78	0	13
-6	0	3		
Commuting	2027	155	0	17
-5	0	-3		
Other	2012	175	0	21
-18	0	11		

Other	2027	267	0	22
-15	0	3		
Business	Total	28632	0	3073
2378	0	-488		
Commuting	Total	6607	0	660
-200	0	-92		
Other	Total	11564	0	872
-627	0	172		

PERIOD

User benefits and changes in revenues by time period, modelled years and total. £000s.

Period	Year	User Operator_Rev	User_Charges Indirect	Fuel
Vehicle_Operating_Cost		Time PT_fares_(pri	Taxes	
Non_fuel PT_fares_(pri				
AM peak	2012	195	0	38
15	0	-8		
AM peak	2027	395	0	33
18	0	-11		
PM peak	2012	165	0	26
6	0	0		
PM peak	2027	394	0	29
4	0	-6		
Inter-peak	2012	288	0	68
24	0	7		
Inter-peak	2027	261	0	51
15	0	5		
AM peak	Total	17284	0	1334
707	0	-427		
PM peak	Total	16907	0	1136
185	0	-205		
Inter-peak	Total	12615	0	2134
658	0	223		

SENSITIVITY

Total user benefits as a percentage of total DM user costs

	Modelled Years	
Mode	2012	2027
Road	1.23%	2.12%

Economy:Economic Efficiency of the Transport System(TEE)

Consumers	ALL MODES
Road	
User benefits	TOTAL
Travel Time	18169
18169	
Vehicle operating costs	704
704	
User charges	0
0	
During Construction & Maintenance	0
0	
NET CONSUMER BENEFITS	18872
18872	

Business		
User benefits		Personal
Freight		
Travel Time	28636	17610
11027		
Vehicle operating costs	5450	892
4559		
User charges	0	0
0		
During Construction & Maintenance	0	0
0		
Subtotal	34087	18501
15585		
Private Sector Provider Impacts		
Revenue	0	
0		
Operating costs	0	
0		
Investment costs	0	
0		
Grant/subsidy	0	
0		
Subtotal	0	
0		
Other business Impacts		
Developer contributions	0	
0		
NET BUSINESS IMPACT	34087	
TOTAL		
Present Value of Transport Economic Efficiency Benefits (PVB)	52959	

Note: Benefits appear as positive numbers, while costs appear as negative numbers.

Note: All entries are present values discounted to 2002, in 2002 prices

Public Accounts		
	ALL MODES	Road
Local Government Funding	TOTAL	
Revenue	0	0
Operating costs	0	0
Investment costs	698	698
Developer Contributions	0	0
Grant/Subsidy Payments	0	0
NET IMPACT	698	698
Central Government Funding		
Revenue	0	0
Operating costs	469	469
Investment costs	6143	6143
Developer Contributions	0	0
Grant/Subsidy Payments	0	0
Indirect Tax Revenues	408	408

NET IMPACT	7020	7020
TOTAL		
TOTAL Present Value of Costs (PVC)	7718	

Note: Costs appear as positive numbers, while revenues and developer contributions appear as negative numbers.

Note: All entries are present values discounted to 2002, in 2002 prices

Analysis of Monetised Costs and Benefits

Non-Exchequer Impacts

Consumer User Benefits	18872
Business User Benefits	34087
Private Sector Provider Impacts	0
Other Business Impacts	0

Accident Benefits Not assessed by TUBA

Carbon Benefits 59

Net present Value of Benefits (PVB) 53018

Local Government Funding 698

Central Government Funding 7020

Net present Value Costs (PVC) 7718

Overall Impact

Net present Value (NPV)	45300
Benefit to Cost Ratio (BCR)	6.869

Appraisal Period 2012 to 2071

Note: There may also be other significant costs and benefits, some of which cannot be presented in monetised form. Where this is the case, the analysis presented above does NOT provide a good measure of value for money and should not be used as the sole basis for decisions.

Tuba Output – Optimistic Scenario

Transport User Benefit Appraisal TUBA v1.7a
Program run on Tuesday, 20 January 2009 at 16:06:15

ERRORS AND WARNINGS

693 Warnings found

Warning (30 serious): Ratio of DM to DS travel time higher than limit
for the following:

Origin	Destination	Time_slice	Veh_type	Purpose	Person_type	Year
DM_time	DS_time	Ratio				
202	88	3	Car	Business	All	2027
0.160	0.038	4.225				
202	88	3	Car	Commuting	All	2027
0.160	0.038	4.225				
202	88	3	Car	Other	All	2027
0.160	0.038	4.225				
202	88	3	LGV Personal	Business	All	2027
0.160	0.038	4.225				
202	88	3	LGV Personal	Commuting	All	2027
0.160	0.038	4.225				
202	88	3	LGV Personal	Other	All	2027
0.160	0.038	4.225				
202	88	3	LGV Freight	Business	All	2027
0.160	0.038	4.225				
202	88	3	LGV Freight	Commuting	All	2027
0.160	0.038	4.225				
202	88	3	LGV Freight	Other	All	2027
0.160	0.038	4.225				
202	88	3	OGV1	Business	All	2027
0.160	0.038	4.225				
202	88	3	OGV1	Commuting	All	2027
0.160	0.038	4.225				
202	88	3	OGV1	Other	All	2027
0.160	0.038	4.225				
202	88	3	OGV2	Business	All	2027
0.160	0.038	4.225				
202	88	3	OGV2	Commuting	All	2027
0.160	0.038	4.225				
202	88	3	OGV2	Other	All	2027
0.160	0.038	4.225				
203	94	1	Car	Business	All	2027
0.044	0.013	3.286				
203	94	1	Car	Commuting	All	2027
0.044	0.013	3.286				
203	94	1	Car	Other	All	2027
0.044	0.013	3.286				
203	94	1	LGV Personal	Business	All	2027
0.044	0.013	3.286				
203	94	1	LGV Personal	Commuting	All	2027
0.044	0.013	3.286				
203	94	1	LGV Personal	Other	All	2027
0.044	0.013	3.286				
203	94	1	LGV Freight	Business	All	2027
0.044	0.013	3.286				

203	94	1	LGV Freight	Commuting	All	2027
0.044	0.013	3.286				
203	94	1	LGV Freight	Other	All	2027
0.044	0.013	3.286				
203	94	1	OGV1	Business	All	2027
0.044	0.013	3.286				
203	94	1	OGV1	Commuting	All	2027
0.044	0.013	3.286				
203	94	1	OGV1	Other	All	2027
0.044	0.013	3.286				
203	94	1	OGV2	Business	All	2027
0.044	0.013	3.286				
203	94	1	OGV2	Commuting	All	2027
0.044	0.013	3.286				
203	94	1	OGV2	Other	All	2027
0.044	0.013	3.286				
201	88	3	Car	Business	All	2027
0.235	0.093	2.529				
201	88	3	Car	Commuting	All	2027
0.235	0.093	2.529				
201	88	3	Car	Other	All	2027
0.235	0.093	2.529				
201	88	3	LGV Personal	Business	All	2027
0.235	0.093	2.529				
201	88	3	LGV Personal	Commuting	All	2027
0.235	0.093	2.529				
201	88	3	LGV Personal	Other	All	2027
0.235	0.093	2.529				
201	88	3	LGV Freight	Business	All	2027
0.235	0.093	2.529				
201	88	3	LGV Freight	Commuting	All	2027
0.235	0.093	2.529				
201	88	3	LGV Freight	Other	All	2027
0.235	0.093	2.529				
201	88	3	OGV1	Business	All	2027
0.235	0.093	2.529				
201	88	3	OGV1	Commuting	All	2027
0.235	0.093	2.529				
201	88	3	OGV1	Other	All	2027
0.235	0.093	2.529				
201	88	3	OGV2	Business	All	2027
0.235	0.093	2.529				
201	88	3	OGV2	Commuting	All	2027
0.235	0.093	2.529				
201	88	3	OGV2	Other	All	2027
0.235	0.093	2.529				
105	88	3	Car	Business	All	2027
0.239	0.097	2.453				
105	88	3	Car	Commuting	All	2027
0.239	0.097	2.453				
105	88	3	Car	Other	All	2027
0.239	0.097	2.453				
105	88	3	LGV Personal	Business	All	2027
0.239	0.097	2.453				
105	88	3	LGV Personal	Commuting	All	2027
0.239	0.097	2.453				
105	88	3	LGV Personal	Other	All	2027

0.239	0.097	2.453				
105	88	3	LGV Freight	Business	All	2027
0.239	0.097	2.453				
105	88	3	LGV Freight	Commuting	All	2027
0.239	0.097	2.453				
105	88	3	LGV Freight	Other	All	2027
0.239	0.097	2.453				
105	88	3	OGV1	Business	All	2027
0.239	0.097	2.453				
105	88	3	OGV1	Commuting	All	2027
0.239	0.097	2.453				
105	88	3	OGV1	Other	All	2027
0.239	0.097	2.453				
105	88	3	OGV2	Business	All	2027
0.239	0.097	2.453				
105	88	3	OGV2	Commuting	All	2027
0.239	0.097	2.453				
105	88	3	OGV2	Other	All	2027
0.239	0.097	2.453				
128	89	1	OGV1	Business	All	2012
0.191	0.107	1.785				
128	89	1	OGV1	Commuting	All	2012
0.191	0.107	1.785				
128	89	1	OGV1	Other	All	2012
0.191	0.107	1.785				
128	89	1	OGV2	Business	All	2012
0.191	0.107	1.785				
128	89	1	OGV2	Commuting	All	2012
0.191	0.107	1.785				
128	89	1	OGV2	Other	All	2012
0.191	0.107	1.785				
128	89	1	OGV1	Business	All	2027
0.195	0.110	1.773				
128	89	1	OGV1	Commuting	All	2027
0.195	0.110	1.773				
128	89	1	OGV1	Other	All	2027
0.195	0.110	1.773				
128	89	1	OGV2	Business	All	2027
0.195	0.110	1.773				
128	89	1	OGV2	Commuting	All	2027
0.195	0.110	1.773				
128	89	1	OGV2	Other	All	2027
0.195	0.110	1.773				
128	89	2	OGV1	Business	All	2012
0.189	0.107	1.760				
128	89	2	OGV1	Commuting	All	2012
0.189	0.107	1.760				
128	89	2	OGV1	Other	All	2012
0.189	0.107	1.760				
128	89	2	OGV2	Business	All	2012
0.189	0.107	1.760				
128	89	2	OGV2	Commuting	All	2012
0.189	0.107	1.760				
128	89	2	OGV2	Other	All	2012
0.189	0.107	1.760				
128	89	2	OGV1	Business	All	2027
0.193	0.110	1.753				

128	89	2	OGV1	Commuting	All	2027
0.193	0.110	1.753				
128	89	2	OGV1	Other	All	2027
0.193	0.110	1.753				
128	89	2	OGV2	Business	All	2027
0.193	0.110	1.753				
128	89	2	OGV2	Commuting	All	2027
0.193	0.110	1.753				
128	89	2	OGV2	Other	All	2027
0.193	0.110	1.753				
108	89	1	OGV1	Business	All	2012
0.192	0.110	1.746				
108	89	1	OGV1	Commuting	All	2012
0.192	0.110	1.746				
108	89	1	OGV1	Other	All	2012
0.192	0.110	1.746				
108	89	1	OGV2	Business	All	2012
0.192	0.110	1.746				
108	89	1	OGV2	Commuting	All	2012
0.192	0.110	1.746				
108	89	1	OGV2	Other	All	2012
0.192	0.110	1.746				
108	89	2	OGV1	Business	All	2012
0.191	0.110	1.734				
108	89	2	OGV1	Commuting	All	2012
0.191	0.110	1.734				
108	89	2	OGV1	Other	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Business	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Commuting	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Other	All	2012
0.191	0.110	1.734				
89	128	2	OGV1	Business	All	2012
0.189	0.110	1.722				
89	128	2	OGV1	Commuting	All	2012
0.189	0.110	1.722				
89	128	2	OGV1	Other	All	2012
0.189	0.110	1.722				
89	128	2	OGV2	Business	All	2012
0.189	0.110	1.722				
89	128	2	OGV2	Commuting	All	2012
0.189	0.110	1.722				
89	128	2	OGV2	Other	All	2012
0.189	0.110	1.722				
108	89	2	OGV1	Business	All	2027
0.196	0.114	1.720				
108	89	2	OGV1	Commuting	All	2027
0.196	0.114	1.720				
108	89	2	OGV1	Other	All	2027
0.196	0.114	1.720				
108	89	2	OGV2	Business	All	2027
0.196	0.114	1.720				
108	89	2	OGV2	Commuting	All	2027
0.196	0.114	1.720				
108	89	2	OGV2	Other	All	2027

0.196	0.114	1.720				
108	89	1	OGV1	Business	All	2027
0.194	0.113	1.714				
108	89	1	OGV1	Commuting	All	2027
0.194	0.113	1.714				
108	89	1	OGV1	Other	All	2027
0.194	0.113	1.714				
108	89	1	OGV2	Business	All	2027
0.194	0.113	1.714				
108	89	1	OGV2	Commuting	All	2027
0.194	0.113	1.714				
108	89	1	OGV2	Other	All	2027
0.194	0.113	1.714				
89	128	2	OGV1	Business	All	2027
0.194	0.113	1.712				
89	128	2	OGV1	Commuting	All	2027
0.194	0.113	1.712				
89	128	2	OGV1	Other	All	2027
0.194	0.113	1.712				
89	128	2	OGV2	Business	All	2027
0.194	0.113	1.712				
89	128	2	OGV2	Commuting	All	2027
0.194	0.113	1.712				
89	128	2	OGV2	Other	All	2027
0.194	0.113	1.712				
89	108	2	OGV1	Business	All	2012
0.192	0.114	1.680				
89	108	2	OGV1	Commuting	All	2012
0.192	0.114	1.680				
89	108	2	OGV1	Other	All	2012
0.192	0.114	1.680				
89	108	2	OGV2	Business	All	2012
0.192	0.114	1.680				
89	108	2	OGV2	Commuting	All	2012
0.192	0.114	1.680				
89	108	2	OGV2	Other	All	2012
0.192	0.114	1.680				
89	108	2	OGV1	Business	All	2027
0.198	0.118	1.670				
89	108	2	OGV1	Commuting	All	2027
0.198	0.118	1.670				
89	108	2	OGV1	Other	All	2027
0.198	0.118	1.670				
89	108	2	OGV2	Business	All	2027
0.198	0.118	1.670				
89	108	2	OGV2	Commuting	All	2027
0.198	0.118	1.670				
89	108	2	OGV2	Other	All	2027
0.198	0.118	1.670				
203	90	1	Car	Business	All	2027
0.082	0.049	1.668				
203	90	1	Car	Commuting	All	2027
0.082	0.049	1.668				
203	90	1	Car	Other	All	2027
0.082	0.049	1.668				
203	90	1	LGV Personal	Business	All	2027
0.082	0.049	1.668				

203	90	1	LGV Personal	Commuting	All	2027
0.082	0.049	1.668				
203	90	1	LGV Personal	Other	All	2027
0.082	0.049	1.668				
203	90	1	LGV Freight	Business	All	2027
0.082	0.049	1.668				
203	90	1	LGV Freight	Commuting	All	2027
0.082	0.049	1.668				
203	90	1	LGV Freight	Other	All	2027
0.082	0.049	1.668				
203	90	1	OGV1	Business	All	2027
0.082	0.049	1.668				
203	90	1	OGV1	Commuting	All	2027
0.082	0.049	1.668				
203	90	1	OGV1	Other	All	2027
0.082	0.049	1.668				
203	90	1	OGV2	Business	All	2027
0.082	0.049	1.668				
203	90	1	OGV2	Commuting	All	2027
0.082	0.049	1.668				
203	90	1	OGV2	Other	All	2027
0.082	0.049	1.668				
88	202	1	Car	Business	All	2027
0.111	0.067	1.665				
88	202	1	Car	Commuting	All	2027
0.111	0.067	1.665				
88	202	1	Car	Other	All	2027
0.111	0.067	1.665				
88	202	1	LGV Personal	Business	All	2027
0.111	0.067	1.665				
88	202	1	LGV Personal	Commuting	All	2027
0.111	0.067	1.665				
88	202	1	LGV Personal	Other	All	2027
0.111	0.067	1.665				
88	202	1	LGV Freight	Business	All	2027
0.111	0.067	1.665				
88	202	1	LGV Freight	Commuting	All	2027
0.111	0.067	1.665				
88	202	1	LGV Freight	Other	All	2027
0.111	0.067	1.665				
88	202	1	OGV1	Business	All	2027
0.111	0.067	1.665				
88	202	1	OGV1	Commuting	All	2027
0.111	0.067	1.665				
88	202	1	OGV1	Other	All	2027
0.111	0.067	1.665				
88	202	1	OGV2	Business	All	2027
0.111	0.067	1.665				
88	202	1	OGV2	Commuting	All	2027
0.111	0.067	1.665				
88	202	1	OGV2	Other	All	2027
0.111	0.067	1.665				
109	89	1	OGV1	Business	All	2012
0.189	0.114	1.653				
109	89	1	OGV1	Commuting	All	2012
0.189	0.114	1.653				
109	89	1	OGV1	Other	All	2012

0.189	0.114	1.653				
109	89	1	OGV2	Business	All	2012
0.189	0.114	1.653				
109	89	1	OGV2	Commuting	All	2012
0.189	0.114	1.653				
109	89	1	OGV2	Other	All	2012
0.189	0.114	1.653				
128	90	1	OGV1	Business	All	2012
0.214	0.130	1.641				
128	90	1	OGV1	Commuting	All	2012
0.214	0.130	1.641				
128	90	1	OGV1	Other	All	2012
0.214	0.130	1.641				
128	90	1	OGV2	Business	All	2012
0.214	0.130	1.641				
128	90	1	OGV2	Commuting	All	2012
0.214	0.130	1.641				
128	90	1	OGV2	Other	All	2012
0.214	0.130	1.641				
128	90	1	OGV1	Business	All	2027
0.217	0.133	1.637				
128	90	1	OGV1	Commuting	All	2027
0.217	0.133	1.637				
128	90	1	OGV1	Other	All	2027
0.217	0.133	1.637				
128	90	1	OGV2	Business	All	2027
0.217	0.133	1.637				
128	90	1	OGV2	Commuting	All	2027
0.217	0.133	1.637				
128	90	1	OGV2	Other	All	2027
0.217	0.133	1.637				
109	89	2	OGV1	Business	All	2012
0.187	0.115	1.635				
109	89	2	OGV1	Commuting	All	2012
0.187	0.115	1.635				
109	89	2	OGV1	Other	All	2012
0.187	0.115	1.635				
109	89	2	OGV2	Business	All	2012
0.187	0.115	1.635				
109	89	2	OGV2	Commuting	All	2012
0.187	0.115	1.635				
109	89	2	OGV2	Other	All	2012
0.187	0.115	1.635				
89	128	1	OGV1	Business	All	2012
0.201	0.123	1.634				
89	128	1	OGV1	Commuting	All	2012
0.201	0.123	1.634				
89	128	1	OGV1	Other	All	2012
0.201	0.123	1.634				
89	128	1	OGV2	Business	All	2012
0.201	0.123	1.634				
89	128	1	OGV2	Commuting	All	2012
0.201	0.123	1.634				
89	128	1	OGV2	Other	All	2012
0.201	0.123	1.634				
94	90	1	Car	Business	All	2027
0.079	0.048	1.631				

94	90	1	Car	Commuting	All	2027
0.079	0.048	1.631				
94	90	1	Car	Other	All	2027
0.079	0.048	1.631				
94	90	1	LGV Personal	Business	All	2027
0.079	0.048	1.631				
94	90	1	LGV Personal	Commuting	All	2027
0.079	0.048	1.631				
94	90	1	LGV Personal	Other	All	2027
0.079	0.048	1.631				
94	90	1	LGV Freight	Business	All	2027
0.079	0.048	1.631				
94	90	1	LGV Freight	Commuting	All	2027
0.079	0.048	1.631				
94	90	1	LGV Freight	Other	All	2027
0.079	0.048	1.631				
94	90	1	OGV1	Business	All	2027
0.079	0.048	1.631				
94	90	1	OGV1	Commuting	All	2027
0.079	0.048	1.631				
94	90	1	OGV1	Other	All	2027
0.079	0.048	1.631				
94	90	1	OGV2	Business	All	2027
0.079	0.048	1.631				
94	90	1	OGV2	Commuting	All	2027
0.079	0.048	1.631				
94	90	1	OGV2	Other	All	2027
0.079	0.048	1.631				
109	89	1	OGV1	Business	All	2027
0.192	0.118	1.628				
109	89	1	OGV1	Commuting	All	2027
0.192	0.118	1.628				
109	89	1	OGV1	Other	All	2027
0.192	0.118	1.628				
109	89	1	OGV2	Business	All	2027
0.192	0.118	1.628				
109	89	1	OGV2	Commuting	All	2027
0.192	0.118	1.628				
109	89	1	OGV2	Other	All	2027
0.192	0.118	1.628				
109	89	2	OGV1	Business	All	2027
0.192	0.118	1.624				
109	89	2	OGV1	Commuting	All	2027
0.192	0.118	1.624				
109	89	2	OGV1	Other	All	2027
0.192	0.118	1.624				
109	89	2	OGV2	Business	All	2027
0.192	0.118	1.624				
109	89	2	OGV2	Commuting	All	2027
0.192	0.118	1.624				
109	89	2	OGV2	Other	All	2027
0.192	0.118	1.624				
128	90	2	OGV1	Business	All	2012
0.211	0.131	1.616				
128	90	2	OGV1	Commuting	All	2012
0.211	0.131	1.616				
128	90	2	OGV1	Other	All	2012

0.211	0.131	1.616					
128	90	2	OGV2	Business	All	2012	
0.211	0.131	1.616					
128	90	2	OGV2	Commuting	All	2012	
0.211	0.131	1.616					
128	90	2	OGV2	Other	All	2012	
0.211	0.131	1.616					
108	90	1	OGV1	Business	All	2012	
0.214	0.133	1.611					
108	90	1	OGV1	Commuting	All	2012	
0.214	0.133	1.611					
108	90	1	OGV1	Other	All	2012	
0.214	0.133	1.611					
108	90	1	OGV2	Business	All	2012	
0.214	0.133	1.611					
108	90	1	OGV2	Commuting	All	2012	
0.214	0.133	1.611					
108	90	1	OGV2	Other	All	2012	
0.214	0.133	1.611					
128	90	2	OGV1	Business	All	2027	
0.216	0.135	1.607					
128	90	2	OGV1	Commuting	All	2027	
0.216	0.135	1.607					
128	90	2	OGV1	Other	All	2027	
0.216	0.135	1.607					
128	90	2	OGV2	Business	All	2027	
0.216	0.135	1.607					
128	90	2	OGV2	Commuting	All	2027	
0.216	0.135	1.607					
128	90	2	OGV2	Other	All	2027	
0.216	0.135	1.607					
89	109	2	OGV1	Business	All	2012	
0.188	0.117	1.603					
89	109	2	OGV1	Commuting	All	2012	
0.188	0.117	1.603					
89	109	2	OGV1	Other	All	2012	
0.188	0.117	1.603					
89	109	2	OGV2	Business	All	2012	
0.188	0.117	1.603					
89	109	2	OGV2	Commuting	All	2012	
0.188	0.117	1.603					
89	109	2	OGV2	Other	All	2012	
0.188	0.117	1.603					
108	90	2	OGV1	Business	All	2012	
0.214	0.134	1.597					
108	90	2	OGV1	Commuting	All	2012	
0.214	0.134	1.597					
108	90	2	OGV1	Other	All	2012	
0.214	0.134	1.597					
108	90	2	OGV2	Business	All	2012	
0.214	0.134	1.597					
108	90	2	OGV2	Commuting	All	2012	
0.214	0.134	1.597					
108	90	2	OGV2	Other	All	2012	
0.214	0.134	1.597					
89	109	2	OGV1	Business	All	2027	
0.193	0.121	1.593					

89	109	2	OGV1	Commuting	All	2027
0.193	0.121	1.593				
89	109	2	OGV1	Other	All	2027
0.193	0.121	1.593				
89	109	2	OGV2	Business	All	2027
0.193	0.121	1.593				
89	109	2	OGV2	Commuting	All	2027
0.193	0.121	1.593				
89	109	2	OGV2	Other	All	2027
0.193	0.121	1.593				
108	90	1	OGV1	Business	All	2027
0.217	0.136	1.592				
108	90	1	OGV1	Commuting	All	2027
0.217	0.136	1.592				
108	90	1	OGV1	Other	All	2027
0.217	0.136	1.592				
108	90	1	OGV2	Business	All	2027
0.217	0.136	1.592				
108	90	1	OGV2	Commuting	All	2027
0.217	0.136	1.592				
108	90	1	OGV2	Other	All	2027
0.217	0.136	1.592				
89	108	1	OGV1	Business	All	2012
0.206	0.130	1.590				
89	108	1	OGV1	Commuting	All	2012
0.206	0.130	1.590				
89	108	1	OGV1	Other	All	2012
0.206	0.130	1.590				
89	108	1	OGV2	Business	All	2012
0.206	0.130	1.590				
89	108	1	OGV2	Commuting	All	2012
0.206	0.130	1.590				
89	108	1	OGV2	Other	All	2012
0.206	0.130	1.590				
90	128	3	OGV1	Business	All	2012
0.214	0.135	1.586				
90	128	3	OGV1	Commuting	All	2012
0.214	0.135	1.586				
90	128	3	OGV1	Other	All	2012
0.214	0.135	1.586				
90	128	3	OGV2	Business	All	2012
0.214	0.135	1.586				
90	128	3	OGV2	Commuting	All	2012
0.214	0.135	1.586				
90	128	3	OGV2	Other	All	2012
0.214	0.135	1.586				
108	90	2	OGV1	Business	All	2027
0.219	0.138	1.584				
108	90	2	OGV1	Commuting	All	2027
0.219	0.138	1.584				
108	90	2	OGV1	Other	All	2027
0.219	0.138	1.584				
108	90	2	OGV2	Business	All	2027
0.219	0.138	1.584				
108	90	2	OGV2	Commuting	All	2027
0.219	0.138	1.584				
108	90	2	OGV2	Other	All	2027

0.219	0.138	1.584				
90	128	2	OGV1	Business	All	2012
0.210	0.134	1.574				
90	128	2	OGV1	Commuting	All	2012
0.210	0.134	1.574				
90	128	2	OGV1	Other	All	2012
0.210	0.134	1.574				
90	128	2	OGV2	Business	All	2012
0.210	0.134	1.574				
90	128	2	OGV2	Commuting	All	2012
0.210	0.134	1.574				
90	128	2	OGV2	Other	All	2012
0.210	0.134	1.574				
90	128	2	OGV1	Business	All	2027
0.215	0.139	1.551				
90	128	2	OGV1	Commuting	All	2027
0.215	0.139	1.551				
90	128	2	OGV1	Other	All	2027
0.215	0.139	1.551				
90	128	2	OGV2	Business	All	2027
0.215	0.139	1.551				
90	128	2	OGV2	Commuting	All	2027
0.215	0.139	1.551				
90	128	2	OGV2	Other	All	2027
0.215	0.139	1.551				
201	117	3	Car	Business	All	2027
0.211	0.137	1.547				
201	117	3	Car	Commuting	All	2027
0.211	0.137	1.547				
201	117	3	Car	Other	All	2027
0.211	0.137	1.547				
201	117	3	LGV Personal	Business	All	2027
0.211	0.137	1.547				
201	117	3	LGV Personal	Commuting	All	2027
0.211	0.137	1.547				
201	117	3	LGV Personal	Other	All	2027
0.211	0.137	1.547				
201	117	3	LGV Freight	Business	All	2027
0.211	0.137	1.547				
201	117	3	LGV Freight	Commuting	All	2027
0.211	0.137	1.547				
201	117	3	LGV Freight	Other	All	2027
0.211	0.137	1.547				
90	108	2	OGV1	Business	All	2012
0.213	0.138	1.545				
90	108	2	OGV1	Commuting	All	2012
0.213	0.138	1.545				
90	108	2	OGV1	Other	All	2012
0.213	0.138	1.545				
90	108	2	OGV2	Business	All	2012
0.213	0.138	1.545				
90	108	2	OGV2	Commuting	All	2012
0.213	0.138	1.545				
90	108	2	OGV2	Other	All	2012
0.213	0.138	1.545				
128	90	3	OGV1	Business	All	2012
0.231	0.150	1.543				

128	90	3	OGV1	Commuting	All	2012
0.231	0.150	1.543				
128	90	3	OGV1	Other	All	2012
0.231	0.150	1.543				
128	90	3	OGV2	Business	All	2012
0.231	0.150	1.543				
128	90	3	OGV2	Commuting	All	2012
0.231	0.150	1.543				
128	90	3	OGV2	Other	All	2012
0.231	0.150	1.543				
90	108	3	OGV1	Business	All	2012
0.215	0.139	1.543				
90	108	3	OGV1	Commuting	All	2012
0.215	0.139	1.543				
90	108	3	OGV1	Other	All	2012
0.215	0.139	1.543				
90	108	3	OGV2	Business	All	2012
0.215	0.139	1.543				
90	108	3	OGV2	Commuting	All	2012
0.215	0.139	1.543				
90	108	3	OGV2	Other	All	2012
0.215	0.139	1.543				
109	90	1	OGV1	Business	All	2012
0.211	0.137	1.538				
109	90	1	OGV1	Commuting	All	2012
0.211	0.137	1.538				
109	90	1	OGV1	Other	All	2012
0.211	0.137	1.538				
109	90	1	OGV2	Business	All	2012
0.211	0.137	1.538				
109	90	1	OGV2	Commuting	All	2012
0.211	0.137	1.538				
109	90	1	OGV2	Other	All	2012
0.211	0.137	1.538				
90	128	3	OGV1	Business	All	2027
0.220	0.143	1.536				
90	128	3	OGV1	Commuting	All	2027
0.220	0.143	1.536				
90	128	3	OGV1	Other	All	2027
0.220	0.143	1.536				
90	128	3	OGV2	Business	All	2027
0.220	0.143	1.536				
90	128	3	OGV2	Commuting	All	2027
0.220	0.143	1.536				
90	128	3	OGV2	Other	All	2027
0.220	0.143	1.536				
201	118	3	Car	Business	All	2027
0.189	0.124	1.524				
201	118	3	Car	Commuting	All	2027
0.189	0.124	1.524				
201	118	3	Car	Other	All	2027
0.189	0.124	1.524				
201	118	3	LGV Personal	Business	All	2027
0.189	0.124	1.524				
201	118	3	LGV Personal	Commuting	All	2027
0.189	0.124	1.524				
201	118	3	LGV Personal	Other	All	2027

0.189	0.124	1.524				
201	118	3	LGV Freight	Business	All	2027
0.189	0.124	1.524				
201	118	3	LGV Freight	Commuting	All	2027
0.189	0.124	1.524				
201	118	3	LGV Freight	Other	All	2027
0.189	0.124	1.524				
109	90	1	OGV1	Business	All	2027
0.214	0.141	1.523				
109	90	1	OGV1	Commuting	All	2027
0.214	0.141	1.523				
109	90	1	OGV1	Other	All	2027
0.214	0.141	1.523				
109	90	1	OGV2	Business	All	2027
0.214	0.141	1.523				
109	90	1	OGV2	Commuting	All	2027
0.214	0.141	1.523				
109	90	1	OGV2	Other	All	2027
0.214	0.141	1.523				
90	108	2	OGV1	Business	All	2027
0.219	0.144	1.521				
90	108	2	OGV1	Commuting	All	2027
0.219	0.144	1.521				
90	108	2	OGV1	Other	All	2027
0.219	0.144	1.521				
90	108	2	OGV2	Business	All	2027
0.219	0.144	1.521				
90	108	2	OGV2	Commuting	All	2027
0.219	0.144	1.521				
90	108	2	OGV2	Other	All	2027
0.219	0.144	1.521				
109	90	2	OGV1	Business	All	2012
0.210	0.138	1.520				
109	90	2	OGV1	Commuting	All	2012
0.210	0.138	1.520				
109	90	2	OGV1	Other	All	2012
0.210	0.138	1.520				
109	90	2	OGV2	Business	All	2012
0.210	0.138	1.520				
109	90	2	OGV2	Commuting	All	2012
0.210	0.138	1.520				
109	90	2	OGV2	Other	All	2012
0.210	0.138	1.520				
89	109	1	OGV1	Business	All	2012
0.202	0.133	1.518				
89	109	1	OGV1	Commuting	All	2012
0.202	0.133	1.518				
89	109	1	OGV1	Other	All	2012
0.202	0.133	1.518				
89	109	1	OGV2	Business	All	2012
0.202	0.133	1.518				
89	109	1	OGV2	Commuting	All	2012
0.202	0.133	1.518				
89	109	1	OGV2	Other	All	2012
0.202	0.133	1.518				
105	117	3	Car	Business	All	2027
0.220	0.145	1.517				

105	117	3	Car	Commuting	All	2027
0.220	0.145	1.517				
105	117	3	Car	Other	All	2027
0.220	0.145	1.517				
105	117	3	LGV Personal	Business	All	2027
0.220	0.145	1.517				
105	117	3	LGV Personal	Commuting	All	2027
0.220	0.145	1.517				
105	117	3	LGV Personal	Other	All	2027
0.220	0.145	1.517				
105	117	3	LGV Freight	Business	All	2027
0.220	0.145	1.517				
105	117	3	LGV Freight	Commuting	All	2027
0.220	0.145	1.517				
105	117	3	LGV Freight	Other	All	2027
0.220	0.145	1.517				
105	118	3	Car	Business	All	2027
0.200	0.132	1.510				
105	118	3	Car	Commuting	All	2027
0.200	0.132	1.510				
105	118	3	Car	Other	All	2027
0.200	0.132	1.510				
105	118	3	LGV Personal	Business	All	2027
0.200	0.132	1.510				
105	118	3	LGV Personal	Commuting	All	2027
0.200	0.132	1.510				
105	118	3	LGV Personal	Other	All	2027
0.200	0.132	1.510				
105	118	3	LGV Freight	Business	All	2027
0.200	0.132	1.510				
105	118	3	LGV Freight	Commuting	All	2027
0.200	0.132	1.510				
105	118	3	LGV Freight	Other	All	2027
0.200	0.132	1.510				
108	90	3	OGV1	Business	All	2012
0.235	0.155	1.509				
108	90	3	OGV1	Commuting	All	2012
0.235	0.155	1.509				
108	90	3	OGV1	Other	All	2012
0.235	0.155	1.509				
108	90	3	OGV2	Business	All	2012
0.235	0.155	1.509				
108	90	3	OGV2	Commuting	All	2012
0.235	0.155	1.509				
108	90	3	OGV2	Other	All	2012
0.235	0.155	1.509				
109	90	2	OGV1	Business	All	2027
0.215	0.143	1.509				
109	90	2	OGV1	Commuting	All	2027
0.215	0.143	1.509				
109	90	2	OGV1	Other	All	2027
0.215	0.143	1.509				
109	90	2	OGV2	Business	All	2027
0.215	0.143	1.509				
109	90	2	OGV2	Commuting	All	2027
0.215	0.143	1.509				
109	90	2	OGV2	Other	All	2027
0.215	0.143	1.509				

0.215 0.143 1.509
 Displayed 393 warnings.

Warning (none serious): Ratio of DM to DS travel distance higher than limit for the following:

Origin	Destination	Time_slice	Veh_type	Purpose	Person_type	Year
DM_dist	DS_dist	Ratio				
108	89	2	OGV1	Business	All	2012
9.581	5.823	1.645				
108	89	2	OGV1	Commuting	All	2012
9.581	5.823	1.645				
108	89	2	OGV1	Other	All	2012
9.581	5.823	1.645				
108	89	2	OGV2	Business	All	2012
9.581	5.823	1.645				
108	89	2	OGV2	Commuting	All	2012
9.581	5.823	1.645				
108	89	2	OGV2	Other	All	2012
9.581	5.823	1.645				
108	89	2	OGV1	Business	All	2027
9.575	5.823	1.644				
108	89	2	OGV1	Commuting	All	2027
9.575	5.823	1.644				
108	89	2	OGV1	Other	All	2027
9.575	5.823	1.644				
108	89	2	OGV2	Business	All	2027
9.575	5.823	1.644				
108	89	2	OGV2	Commuting	All	2027
9.575	5.823	1.644				
108	89	2	OGV2	Other	All	2027
9.575	5.823	1.644				
108	89	1	OGV1	Business	All	2012
9.560	5.823	1.642				
108	89	1	OGV1	Commuting	All	2012
9.560	5.823	1.642				
108	89	1	OGV1	Other	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Business	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Commuting	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Business	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Business	All	2027
9.560	5.823	1.642				
89	108	2	OGV1	Commuting	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Commuting	All	2027
9.560	5.823	1.642				
89	108	2	OGV1	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Other	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Business	All	2012
9.560	5.823	1.642				

89	108	2	OGV2	Business	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Commuting	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Commuting	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Other	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Business	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Commuting	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Other	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Business	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Commuting	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Other	All	2027
9.560	5.823	1.642				
89	108	1	OGV1	Business	All	2012
9.567	5.864	1.631				
89	108	1	OGV1	Commuting	All	2012
9.567	5.864	1.631				
89	108	1	OGV1	Other	All	2012
9.567	5.864	1.631				
89	108	1	OGV2	Business	All	2012
9.567	5.864	1.631				
89	108	1	OGV2	Commuting	All	2012
9.567	5.864	1.631				
89	108	1	OGV2	Other	All	2012
9.567	5.864	1.631				
128	89	1	OGV1	Business	All	2027
10.080	6.283	1.604				
128	89	1	OGV1	Commuting	All	2027
10.080	6.283	1.604				
128	89	1	OGV1	Other	All	2027
10.080	6.283	1.604				
128	89	1	OGV2	Business	All	2027
10.080	6.283	1.604				
128	89	1	OGV2	Commuting	All	2027
10.080	6.283	1.604				
128	89	1	OGV2	Other	All	2027
10.080	6.283	1.604				
128	89	1	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Other	All	2012

10.080	6.283	1.604				
89	128	2	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Business	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Business	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Business	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Commuting	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Commuting	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Commuting	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Other	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Other	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Other	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Business	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Business	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Business	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Commuting	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Commuting	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Commuting	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Other	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Other	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Other	All	2027
10.080	6.283	1.604				
89	128	1	OGV1	Business	All	2012
10.080	6.324	1.594				
89	128	1	OGV1	Commuting	All	2012
10.080	6.324	1.594				
89	128	1	OGV1	Other	All	2012
10.080	6.324	1.594				
89	128	1	OGV2	Business	All	2012
10.080	6.324	1.594				

89	128	1	OGV2	Commuting	All	2012
10.080	6.324	1.594				
89	128	1	OGV2	Other	All	2012
10.080	6.324	1.594				
89	108	1	OGV1	Business	All	2027
9.563	6.046	1.582				
89	108	1	OGV1	Commuting	All	2027
9.563	6.046	1.582				
89	108	1	OGV1	Other	All	2027
9.563	6.046	1.582				
89	108	1	OGV2	Business	All	2027
9.563	6.046	1.582				
89	108	1	OGV2	Commuting	All	2027
9.563	6.046	1.582				
89	108	1	OGV2	Other	All	2027
9.563	6.046	1.582				
128	102	3	OGV1	Business	All	2027
18.010	11.439	1.574				
128	103	3	OGV1	Business	All	2027
18.010	11.439	1.574				
128	102	3	OGV1	Commuting	All	2027
18.010	11.439	1.574				
128	103	3	OGV1	Commuting	All	2027
18.010	11.439	1.574				
128	102	3	OGV1	Other	All	2027
18.010	11.439	1.574				
128	103	3	OGV1	Other	All	2027
18.010	11.439	1.574				
128	102	3	OGV2	Business	All	2027
18.010	11.439	1.574				
128	103	3	OGV2	Business	All	2027
18.010	11.439	1.574				
128	102	3	OGV2	Commuting	All	2027
18.010	11.439	1.574				
128	103	3	OGV2	Commuting	All	2027
18.010	11.439	1.574				
128	102	3	OGV2	Other	All	2027
18.010	11.439	1.574				
128	103	3	OGV2	Other	All	2027
18.010	11.439	1.574				
108	102	3	OGV1	Business	All	2027
17.247	10.979	1.571				
108	103	3	OGV1	Business	All	2027
17.247	10.979	1.571				
108	102	3	OGV1	Commuting	All	2027
17.247	10.979	1.571				
108	103	3	OGV1	Commuting	All	2027
17.247	10.979	1.571				
108	102	3	OGV1	Other	All	2027
17.247	10.979	1.571				
108	103	3	OGV1	Other	All	2027
17.247	10.979	1.571				
108	102	3	OGV2	Business	All	2027
17.247	10.979	1.571				
108	103	3	OGV2	Business	All	2027
17.247	10.979	1.571				
108	102	3	OGV2	Commuting	All	2027

17.247	10.979	1.571				
108	103	3	OGV2	Commuting	All	2027
17.247	10.979	1.571				
108	102	3	OGV2	Other	All	2027
17.247	10.979	1.571				
108	103	3	OGV2	Other	All	2027
17.247	10.979	1.571				
109	89	1	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Business	All	2027
9.360	6.023	1.554				
109	89	1	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Commuting	All	2027
9.360	6.023	1.554				
109	89	1	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Other	All	2027
9.360	6.023	1.554				
109	89	1	OGV2	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Business	All	2027
9.360	6.023	1.554				
109	89	1	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Commuting	All	2027
9.360	6.023	1.554				
109	89	1	OGV2	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Other	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Business	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Business	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Business	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Commuting	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Commuting	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Commuting	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Other	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Other	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Other	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Business	All	2012
9.360	6.023	1.554				

109	89	2	OGV2	Business	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Business	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Business	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Commuting	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Commuting	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Commuting	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Other	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Other	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Other	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Other	All	2027
9.360	6.023	1.554				
89	128	1	OGV1	Business	All	2027
10.080	6.506	1.549				
89	128	1	OGV1	Commuting	All	2027
10.080	6.506	1.549				
89	128	1	OGV1	Other	All	2027
10.080	6.506	1.549				
89	128	1	OGV2	Business	All	2027
10.080	6.506	1.549				
89	128	1	OGV2	Commuting	All	2027
10.080	6.506	1.549				
89	128	1	OGV2	Other	All	2027
10.080	6.506	1.549				
89	109	1	OGV1	Business	All	2012
9.360	6.064	1.544				
89	109	1	OGV1	Commuting	All	2012
9.360	6.064	1.544				
89	109	1	OGV1	Other	All	2012
9.360	6.064	1.544				
89	109	1	OGV2	Business	All	2012
9.360	6.064	1.544				
89	109	1	OGV2	Commuting	All	2012
9.360	6.064	1.544				
89	109	1	OGV2	Other	All	2012
9.360	6.064	1.544				
94	108	3	OGV1	Business	All	2027
14.112	9.166	1.540				
94	108	3	OGV1	Commuting	All	2027
14.112	9.166	1.540				
94	108	3	OGV1	Other	All	2027
14.112	9.166	1.540				
94	108	3	OGV2	Business	All	2027
14.112	9.166	1.540				
94	108	3	OGV2	Commuting	All	2027
14.112	9.166	1.540				
94	108	3	OGV2	Other	All	2027

14.112	9.166	1.540				
94	108	3	OGV1	Business	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Commuting	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Other	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Business	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Commuting	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Other	All	2012
13.942	9.078	1.536				
108	94	1	OGV1	Business	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Commuting	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Other	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Business	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Commuting	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Other	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Business	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Commuting	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Other	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Business	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Commuting	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Business	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Business	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Commuting	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Commuting	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Other	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Business	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Business	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Commuting	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Commuting	All	2027

108	94	2	OGV2	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Other	All	2027
13.902	9.078	1.531				
94	108	1	OGV1	Business	All	2012
13.942	9.108	1.531				
94	108	1	OGV1	Commuting	All	2012
13.942	9.108	1.531				
94	108	1	OGV1	Other	All	2012
13.942	9.108	1.531				
94	108	1	OGV2	Business	All	2012
13.942	9.108	1.531				
94	108	1	OGV2	Commuting	All	2012
13.942	9.108	1.531				
94	108	1	OGV2	Other	All	2012
13.942	9.108	1.531				
94	108	2	OGV1	Business	All	2012
13.782	9.078	1.518				
94	108	2	OGV1	Commuting	All	2012
13.782	9.078	1.518				
94	108	2	OGV1	Other	All	2012
13.782	9.078	1.518				
94	108	2	OGV2	Business	All	2012
13.782	9.078	1.518				
94	108	2	OGV2	Commuting	All	2012
13.782	9.078	1.518				
94	108	2	OGV2	Other	All	2012
13.782	9.078	1.518				
94	108	2	OGV1	Business	All	2027
13.780	9.078	1.518				
94	108	2	OGV1	Commuting	All	2027
13.780	9.078	1.518				
94	108	2	OGV1	Other	All	2027
13.780	9.078	1.518				
94	108	2	OGV2	Business	All	2027
13.780	9.078	1.518				
94	108	2	OGV2	Commuting	All	2027
13.780	9.078	1.518				
94	108	2	OGV2	Other	All	2027
13.780	9.078	1.518				
94	128	3	OGV1	Business	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Commuting	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Other	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Business	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Commuting	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Business	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Business	All	2027
14.402	9.538	1.510				
94	128	2	OGV1	Commuting	All	2012

14.402	9.538	1.510				
94	128	2	OGV1	Commuting	All	2027
14.402	9.538	1.510				
94	128	2	OGV1	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Other	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Business	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Business	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Commuting	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Commuting	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Other	All	2027
14.402	9.538	1.510				
109	94	1	OGV1	Business	All	2027
14.001	9.278	1.509				
109	94	1	OGV1	Commuting	All	2027
14.001	9.278	1.509				
109	94	1	OGV1	Other	All	2027
14.001	9.278	1.509				
109	94	1	OGV2	Business	All	2027
14.001	9.278	1.509				
109	94	1	OGV2	Commuting	All	2027
14.001	9.278	1.509				
109	94	1	OGV2	Other	All	2027
14.001	9.278	1.509				
109	102	3	OGV1	Business	All	2027
16.839	11.161	1.509				
109	103	3	OGV1	Business	All	2027
16.839	11.161	1.509				
109	102	3	OGV1	Commuting	All	2027
16.839	11.161	1.509				
109	103	3	OGV1	Commuting	All	2027
16.839	11.161	1.509				
109	102	3	OGV1	Other	All	2027
16.839	11.161	1.509				
109	103	3	OGV1	Other	All	2027
16.839	11.161	1.509				
109	102	3	OGV2	Business	All	2027
16.839	11.161	1.509				
109	103	3	OGV2	Business	All	2027
16.839	11.161	1.509				
109	102	3	OGV2	Commuting	All	2027
16.839	11.161	1.509				
109	103	3	OGV2	Commuting	All	2027
16.839	11.161	1.509				
109	102	3	OGV2	Other	All	2027
16.839	11.161	1.509				
109	103	3	OGV2	Other	All	2027
16.839	11.161	1.509				
128	94	1	OGV1	Business	All	2012
14.362	9.538	1.506				

128	94	1	OGV1	Commuting	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Other	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Business	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Commuting	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Business	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Business	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Commuting	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Commuting	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Other	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Business	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Business	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Commuting	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Commuting	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Other	All	2027
14.362	9.538	1.506				
128	94	1	OGV1	Business	All	2027
14.362	9.538	1.506				
128	94	1	OGV1	Commuting	All	2027
14.362	9.538	1.506				
128	94	1	OGV1	Other	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Business	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Commuting	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Other	All	2027
14.362	9.538	1.506				
94	128	1	OGV1	Business	All	2012
14.402	9.568	1.505				
94	128	1	OGV1	Commuting	All	2012
14.402	9.568	1.505				
94	128	1	OGV1	Other	All	2012
14.402	9.568	1.505				
94	128	1	OGV2	Business	All	2012
14.402	9.568	1.505				
94	128	1	OGV2	Commuting	All	2012
14.402	9.568	1.505				
94	128	1	OGV2	Other	All	2012

14.402	9.568	1.505				
89	109	1	OGV1	Business	All	2027
9.360	6.225	1.504				
89	109	1	OGV1	Commuting	All	2027
9.360	6.225	1.504				
89	109	1	OGV1	Other	All	2027
9.360	6.225	1.504				
89	109	1	OGV2	Business	All	2027
9.360	6.225	1.504				
89	109	1	OGV2	Commuting	All	2027
9.360	6.225	1.504				
89	109	1	OGV2	Other	All	2027
9.360	6.225	1.504				
108	90	2	OGV1	Business	All	2012
11.254	7.496	1.501				
108	90	2	OGV1	Commuting	All	2012
11.254	7.496	1.501				
108	90	2	OGV1	Other	All	2012
11.254	7.496	1.501				
108	90	2	OGV2	Business	All	2012
11.254	7.496	1.501				
108	90	2	OGV2	Commuting	All	2012
11.254	7.496	1.501				
108	90	2	OGV2	Other	All	2012
11.254	7.496	1.501				
108	90	2	OGV1	Business	All	2027
11.248	7.496	1.501				
108	90	2	OGV1	Commuting	All	2027
11.248	7.496	1.501				
108	90	2	OGV1	Other	All	2027
11.248	7.496	1.501				
108	90	2	OGV2	Business	All	2027
11.248	7.496	1.501				
108	90	2	OGV2	Commuting	All	2027
11.248	7.496	1.501				
108	90	2	OGV2	Other	All	2027
11.248	7.496	1.501				

Displayed 300 warnings.

INPUT_SUMMARY

Run name	A18-A180 link
DM scheme	Do nothing
DS scheme	With Scheme

Economic parameter file	X:\2007-08\Series D087 Project Planning & Appraisal\D087019 A18-A180 Link MSBC\Tuba optimistic\Jan 2009\economics.txt
Scheme parameter file	X:\2007-08\Series D087 Project Planning & Appraisal\D087019 A18-A180 Link MSBC\Tuba optimistic\Jan 2009\SCHEME.TXT

First year of scheme costs	2008
First Appraisal Year	2012
Last Appraisal Year	2071
Modelled years	2012 2027

Time period	Total hours
-------------	-------------

AM peak	633
PM peak	633
Inter-peak	1518
Total	2784

Note: All monetary values are in 2002 market prices. All monetary values discounted to 2002 unless otherwise stated.

DM_SCHEME_COSTS

Do minimum scheme costs. Undiscounted £000s

Mode	Year	Prep.	Superv.	Constr.
Land	Maint.	Oper.	Grant/Sub.	Dev._Cont
Road	2008	0	0	0
0	0	0	0	0
Road	2009	0	0	0
0	0	0	0	0
Road	2010	0	0	0
0	0	0	0	0
Road	2011	0	0	0
0	0	0	0	0
Road	2012	0	0	0
0	0	0	0	0
Road	2013	0	0	0
0	0	0	0	0
Road	2014	0	0	0
0	0	0	0	0
Road	2015	0	0	0
0	0	0	0	0
Road	2016	0	0	0
0	0	0	0	0
Road	2017	0	0	0
0	0	0	0	0
Road	2018	0	0	0
0	0	0	0	0
Road	2019	0	0	0
0	0	0	0	0
Road	2020	0	0	0
0	0	0	0	0
Road	2021	0	0	0
0	0	0	0	0
Road	2022	0	0	0
0	0	0	0	0
Road	2023	0	0	0
0	0	0	0	0
Road	2024	0	0	0
0	0	0	0	0
Road	2025	0	0	0
0	0	0	0	0
Road	2026	0	0	0
0	0	0	0	0
Road	2027	0	0	0
0	0	0	0	0
Road	2028	0	0	0
0	0	0	0	0
Road	2029	0	0	0
0	0	0	0	0

Road	2030	0	0	0	0
0	0	0	0	0	0
Road	2031	0	0	0	0
0	0	0	0	0	0
Road	2032	0	0	0	0
0	0	0	0	0	0
Road	2033	0	0	0	0
0	0	0	0	0	0
Road	2034	0	0	0	0
0	0	0	0	0	0
Road	2035	0	0	0	0
0	0	0	0	0	0
Road	2036	0	0	0	0
0	0	0	0	0	0
Road	2037	0	0	0	0
0	0	0	0	0	0
Road	2038	0	0	0	0
0	0	0	0	0	0
Road	2039	0	0	0	0
0	0	0	0	0	0
Road	2040	0	0	0	0
0	0	0	0	0	0
Road	2041	0	0	0	0
0	0	0	0	0	0
Road	2042	0	0	0	0
0	0	0	0	0	0
Road	2043	0	0	0	0
0	0	0	0	0	0
Road	2044	0	0	0	0
0	0	0	0	0	0
Road	2045	0	0	0	0
0	0	0	0	0	0
Road	2046	0	0	0	0
0	0	0	0	0	0
Road	2047	0	0	0	0
0	0	0	0	0	0
Road	2048	0	0	0	0
0	0	0	0	0	0
Road	2049	0	0	0	0
0	0	0	0	0	0
Road	2050	0	0	0	0
0	0	0	0	0	0
Road	2051	0	0	0	0
0	0	0	0	0	0
Road	2052	0	0	0	0
0	0	0	0	0	0
Road	2053	0	0	0	0
0	0	0	0	0	0
Road	2054	0	0	0	0
0	0	0	0	0	0
Road	2055	0	0	0	0
0	0	0	0	0	0
Road	2056	0	0	0	0
0	0	0	0	0	0
Road	2057	0	0	0	0
0	0	0	0	0	0
Road	2058	0	0	0	0

0	0	0	0	0	0	0
Road	2059	0	0	0	0	0
0	0	0	0	0	0	0
Road	2060	0	0	0	0	0
0	0	0	0	0	0	0
Road	2061	0	0	0	0	0
0	0	0	0	0	0	0
Road	2062	0	0	0	0	0
0	0	0	0	0	0	0
Road	2063	0	0	0	0	0
0	0	0	0	0	0	0
Road	2064	0	0	0	0	0
0	0	0	0	0	0	0
Road	2065	0	0	0	0	0
0	0	0	0	0	0	0
Road	2066	0	0	0	0	0
0	0	0	0	0	0	0
Road	2067	0	0	0	0	0
0	0	0	0	0	0	0
Road	2068	0	0	0	0	0
0	0	0	0	0	0	0
Road	2069	0	0	0	0	0
0	0	0	0	0	0	0
Road	2070	0	0	0	0	0
0	0	0	0	0	0	0
Road	2071	0	0	0	0	0
0	0	0	0	0	0	0

DS_SCHEME_COSTS

Do something scheme costs. Undiscounted £000s

Mode	Year	Prep.	Superv.	Constr.
Land	Maint.	Oper.	Grant/Sub.	Dev._Cont
Road	2008	0	0	0
0	0	0	0	0
Road	2009	375	0	0
85	0	0	0	0
Road	2010	417	0	416
28	0	0	0	0
Road	2011	42	0	7495
0	0	0	0	0
Road	2012	0	0	416
0	0	25	0	0
Road	2013	0	0	0
0	0	25	0	0
Road	2014	0	0	0
0	0	25	0	0
Road	2015	0	0	0
0	0	25	0	0
Road	2016	0	0	0
0	0	25	0	0
Road	2017	0	0	0
0	0	25	0	0
Road	2018	0	0	0
0	0	25	0	0
Road	2019	0	0	0
0	0	25	0	0
Road	2020	0	0	0

0	0	25	0	0	0	0
Road	2021	0	0	0	0	0
0	0	25	0	0	0	0
Road	2022	0	0	0	0	0
0	0	25	0	0	0	0
Road	2023	0	0	0	0	0
0	0	25	0	0	0	0
Road	2024	0	0	0	0	0
0	0	25	0	0	0	0
Road	2025	0	0	0	0	0
0	0	25	0	0	0	0
Road	2026	0	0	0	0	0
0	0	25	0	0	0	0
Road	2027	0	0	0	0	0
0	0	25	0	0	0	0
Road	2028	0	0	0	0	0
0	0	25	0	0	0	0
Road	2029	0	0	0	0	0
0	0	25	0	0	0	0
Road	2030	0	0	0	0	0
0	0	25	0	0	0	0
Road	2031	0	0	0	0	0
0	0	25	0	0	0	0
Road	2032	0	0	0	0	0
0	0	25	0	0	0	0
Road	2033	0	0	0	0	0
0	0	25	0	0	0	0
Road	2034	0	0	0	0	0
0	0	25	0	0	0	0
Road	2035	0	0	0	0	0
0	0	25	0	0	0	0
Road	2036	0	0	0	0	0
0	0	25	0	0	0	0
Road	2037	0	0	0	0	0
0	0	25	0	0	0	0
Road	2038	0	0	0	0	0
0	0	25	0	0	0	0
Road	2039	0	0	0	0	0
0	0	25	0	0	0	0
Road	2040	0	0	0	0	0
0	0	25	0	0	0	0
Road	2041	0	0	0	0	0
0	0	25	0	0	0	0
Road	2042	0	0	0	0	0
0	0	25	0	0	0	0
Road	2043	0	0	0	0	0
0	0	25	0	0	0	0
Road	2044	0	0	0	0	0
0	0	25	0	0	0	0
Road	2045	0	0	0	0	0
0	0	25	0	0	0	0
Road	2046	0	0	0	0	0
0	0	25	0	0	0	0
Road	2047	0	0	0	0	0
0	0	25	0	0	0	0
Road	2048	0	0	0	0	0
0	0	25	0	0	0	0

Road	2049	0	0	0
0	0	25	0	0
Road	2050	0	0	0
0	0	25	0	0
Road	2051	0	0	0
0	0	25	0	0
Road	2052	0	0	0
0	0	25	0	0
Road	2053	0	0	0
0	0	25	0	0
Road	2054	0	0	0
0	0	25	0	0
Road	2055	0	0	0
0	0	25	0	0
Road	2056	0	0	0
0	0	25	0	0
Road	2057	0	0	0
0	0	25	0	0
Road	2058	0	0	0
0	0	25	0	0
Road	2059	0	0	0
0	0	25	0	0
Road	2060	0	0	0
0	0	25	0	0
Road	2061	0	0	0
0	0	25	0	0
Road	2062	0	0	0
0	0	25	0	0
Road	2063	0	0	0
0	0	25	0	0
Road	2064	0	0	0
0	0	25	0	0
Road	2065	0	0	0
0	0	25	0	0
Road	2066	0	0	0
0	0	25	0	0
Road	2067	0	0	0
0	0	25	0	0
Road	2068	0	0	0
0	0	25	0	0
Road	2069	0	0	0
0	0	25	0	0
Road	2070	0	0	0
0	0	25	0	0
Road	2071	0	0	0
0	0	25	0	0

PRESENT_VALUE_COSTS

Scheme investment and operating costs (i.e. excluding grant/subsidy, developer contributions and delays) and differences. £000s.

Mode	Year	DM_scheme_costs	DS_scheme_costs	Difference
Road	2008	0	0	0
Road	2009	0	362	362
Road	2010	0	655	655
Road	2011	0	5530	5530
Road	2012	0	313	313
Road	2013	0	17	17

Road	2014	0	17	17
Road	2015	0	16	16
Road	2016	0	15	15
Road	2017	0	15	15
Road	2018	0	14	14
Road	2019	0	14	14
Road	2020	0	13	13
Road	2021	0	13	13
Road	2022	0	13	13
Road	2023	0	12	12
Road	2024	0	12	12
Road	2025	0	11	11
Road	2026	0	11	11
Road	2027	0	11	11
Road	2028	0	10	10
Road	2029	0	10	10
Road	2030	0	10	10
Road	2031	0	9	9
Road	2032	0	9	9
Road	2033	0	9	9
Road	2034	0	8	8
Road	2035	0	8	8
Road	2036	0	8	8
Road	2037	0	8	8
Road	2038	0	7	7
Road	2039	0	7	7
Road	2040	0	7	7
Road	2041	0	7	7
Road	2042	0	6	6
Road	2043	0	6	6
Road	2044	0	6	6
Road	2045	0	6	6
Road	2046	0	6	6
Road	2047	0	6	6
Road	2048	0	5	5
Road	2049	0	5	5
Road	2050	0	5	5
Road	2051	0	5	5
Road	2052	0	5	5
Road	2053	0	5	5
Road	2054	0	5	5
Road	2055	0	4	4
Road	2056	0	4	4
Road	2057	0	4	4
Road	2058	0	4	4
Road	2059	0	4	4
Road	2060	0	4	4
Road	2061	0	4	4
Road	2062	0	4	4
Road	2063	0	3	3
Road	2064	0	3	3
Road	2065	0	3	3
Road	2066	0	3	3
Road	2067	0	3	3
Road	2068	0	3	3
Road	2069	0	3	3
Road	2070	0	3	3

Road	2071	0	3	3
Road	Total	0	7310	7310

TRIP_MATRIX_TOTALS

Annualised total trip numbers(thousands)

Submode	Year	Time period	DO MIN	DO SOM
Car	2012	AM peak	4170	4163
Car	2012	PM peak	4626	4592
Car	2012	Inter-peak	4809	4809
Car	2012	All	13604	13564
Car	2027	AM peak	4838	4834
Car	2027	PM peak	5380	5383
Car	2027	Inter-peak	5663	5663
Car	2027	All	15881	15879
LGV Personal	2012	AM peak	100	100
LGV Personal	2012	PM peak	73	73
LGV Personal	2012	Inter-peak	202	202
LGV Personal	2012	All	375	374
LGV Personal	2027	AM peak	116	116
LGV Personal	2027	PM peak	85	85
LGV Personal	2027	Inter-peak	238	238
LGV Personal	2027	All	438	438
LGV Freight	2012	AM peak	718	717
LGV Freight	2012	PM peak	534	530
LGV Freight	2012	Inter-peak	1497	1497
LGV Freight	2012	All	2749	2744
LGV Freight	2027	AM peak	833	833
LGV Freight	2027	PM peak	621	621
LGV Freight	2027	Inter-peak	1762	1762
LGV Freight	2027	All	3217	3216
OGV1	2012	AM peak	446	444
OGV1	2012	PM peak	385	384
OGV1	2012	Inter-peak	1205	1205
OGV1	2012	All	2036	2034
OGV1	2027	AM peak	615	615
OGV1	2027	PM peak	531	531
OGV1	2027	Inter-peak	1661	1661
OGV1	2027	All	2807	2807
OGV2	2012	AM peak	167	167
OGV2	2012	PM peak	144	144
OGV2	2012	Inter-peak	390	390
OGV2	2012	All	701	701
OGV2	2027	AM peak	231	231
OGV2	2027	PM peak	199	199
OGV2	2027	Inter-peak	537	537
OGV2	2027	All	967	967
All	2012	AM peak	5601	5591
All	2012	PM peak	5762	5723
All	2012	Inter-peak	8102	8102
All	2012	All	19465	19416
All	2027	AM peak	6634	6629
All	2027	PM peak	6816	6819
All	2027	Inter-peak	9860	9860
All	2027	All	23310	23308

DM&DS_USER_COSTS

Total value of user costs, DM and DS. £000s.

Mode	Year	DMtot_time	DMtot_charge	DMtot_fuel
DMtot_nonfuel	DStot_time	DStot_charge	DStot_fuel	DStot_nonfuel
Road	2012	36869	0	18031
12964	36649	0	18025	12986
Road	2027	36212	0	13472
9796	35413	0	13439	9806

FUEL_CONSUMPTION

Total fuel consumption, DM and DS. kilolitres.

Submode	Year	Do minimum		Do something
		petrol	diesel	petrol
diesel				
Car	2012	8319	3189	8354
3201				
Car	2027	7341	4423	7323
4413				
LGV Personal	2012	71	343	71
345				
LGV Personal	2027	83	398	83
399				
LGV Freight	2012	521	2515	523
2526				
LGV Freight	2027	607	2921	607
2924				
OGV1	2012	0	12642	0
12594				
OGV1	2027	0	17061	0
17008				
OGV2	2012	0	5934	0
5912				
OGV2	2027	0	8052	0
8030				
All	2012	8911	24622	8948
24577				
All	2027	8031	32855	8013
32774				
Car	Total	444295	255360	443596
254931				
LGV Personal	Total	4871	23467	4878
23499				
LGV Freight	Total	35711	172008	35765
172273				
OGV1	Total	0	988289	0
985145				
OGV2	Total	0	466198	0
464866				
All	Total	484877	1905321	484239
1900715				

CARBON_EMISSION

		Emissions (tonnes)		
		cost (£000s, low)		cost (£000s, central)
		cost (£000s, high)		
Submode	Year	DM	DS	Increase
DM	DS	Increase	DM	DS
Increase	DM	DS	Increase	
Car	2012	7275	7304	29

251	252	1	438	439	
2	811	815	3		
Car	2027	7484	7466	-18	
203	203	0	318	317	
-1	547	546	-1		
LGV Personal	2012	282	283	1	
10	10	0	17	17	
0	31	32	0		
LGV Personal	2027	325	325	0	
9	9	0	14	14	0
24	24	0			
LGV Freight	2012	2064	2073	9	
71	72	0	124	125	
1	230	231	1		
LGV Freight	2027	2382	2384	3	
65	65	0	101	101	
0	174	174	0		
OGV1	2012	8785	8752	-33	
303	302	-1	529	527	
-2	980	976	-4		
OGV1	2027	11771	11734	-37	
320	319	-1	500	499	
-2	861	858	-3		
OGV2	2012	4123	4108	-15	
142	142	-1	248	247	
-1	460	458	-2		
OGV2	2027	5556	5540	-15	
151	150	0	236	235	
-1	406	405	-1		
All	2012	22530	22521	-9	
777	777	0	1356	1355	
-1	2513	2512	-1		
All	2027	27517	27450	-67	
747	745	-2	1169	1166	
-3	2013	2008	-5		
Car	Total	444671	443954	-717	
9650	9638	-12	14637	14621	
-16	24614	24590	-25		
LGV Personal	Total	19142	19168	26	
413	414	1	626	627	
1	1052	1053	2		
LGV Freight	Total	140306	140523	216	
3031	3036	5	4590	4598	
8	7708	7722	14		
OGV1	Total	682171	680001	-2170	
14615	14568	-47	22071	22000	
-71	36985	36866	-120		
OGV2	Total	321795	320875	-920	
6892	6872	-20	10407	10377	
-30	17439	17388	-51		
All	Total	1608086	1604522	-3564	
34602	34529	-73	52332	52224	
-108	87798	87619	-179		

MODE

User benefits and changes in revenues by mode, all years. £000s.

Mode Year User User_Charges

Vehicle_Operating_Cost	Operator_Rev	Indirect	
Non_fuel	Time	PT_fares_(pri	Fuel
PT_fares_(pri	Taxes		
Road	2012	666	135
49	0	-4	
Road	2013	722	135
49	0	-6	
Road	2014	776	136
49	0	-8	
Road	2015	828	136
49	0	-10	
Road	2016	877	136
49	0	-12	
Road	2017	925	135
49	0	-13	
Road	2018	971	135
49	0	-15	
Road	2019	1015	134
49	0	-16	
Road	2020	1057	133
49	0	-17	
Road	2021	1097	132
48	0	-18	
Road	2022	1132	132
48	0	-19	
Road	2023	1164	131
48	0	-19	
Road	2024	1195	130
48	0	-20	
Road	2025	1224	129
47	0	-21	
Road	2026	1251	128
47	0	-21	
Road	2027	1277	126
46	0	-22	
Road	2028	1250	122
45	0	-21	
Road	2029	1224	118
43	0	-20	
Road	2030	1198	114
42	0	-20	
Road	2031	1173	110
40	0	-19	
Road	2032	1153	106
39	0	-18	
Road	2033	1134	103
38	0	-18	
Road	2034	1114	99
37	0	-17	
Road	2035	1095	96
35	0	-16	
Road	2036	1077	93
34	0	-16	
Road	2037	1060	90
33	0	-15	
Road	2038	1045	87
32	0	-15	

Road	2039	1030	0	84
31	0	-14		
Road	2040	1016	0	82
30	0	-14		
Road	2041	1002	0	80
29	0	-14		
Road	2042	988	0	77
28	0	-13		
Road	2043	974	0	75
28	0	-13		
Road	2044	961	0	73
27	0	-12		
Road	2045	948	0	71
26	0	-12		
Road	2046	935	0	69
25	0	-12		
Road	2047	922	0	67
25	0	-11		
Road	2048	909	0	65
24	0	-11		
Road	2049	896	0	63
23	0	-11		
Road	2050	884	0	61
22	0	-10		
Road	2051	872	0	59
22	0	-10		
Road	2052	858	0	58
21	0	-10		
Road	2053	845	0	56
21	0	-10		
Road	2054	832	0	54
20	0	-9		
Road	2055	820	0	53
19	0	-9		
Road	2056	807	0	51
19	0	-9		
Road	2057	795	0	50
18	0	-9		
Road	2058	783	0	48
18	0	-8		
Road	2059	771	0	47
17	0	-8		
Road	2060	759	0	45
17	0	-8		
Road	2061	748	0	44
16	0	-8		
Road	2062	738	0	43
16	0	-7		
Road	2063	727	0	42
15	0	-7		
Road	2064	717	0	40
15	0	-7		
Road	2065	708	0	39
14	0	-7		
Road	2066	698	0	38
14	0	-7		
Road	2067	688	0	37

14	0	-6		
Road	2068	679	0	36
13	0	-6		
Road	2069	670	0	35
13	0	-6		
Road	2070	660	0	34
12	0	-6		
Road	2071	651	0	33
12	0	-6		
Road	Total	55992	0	5066
1855	0	-747		

SUBMODE

User benefits and changes in revenues by submode/vehicle type, modelled years and total. £000s.

Submode	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
Non_fuel	PT_fares_(pri	Taxes		
Car	2012	488	0	42
-5	0	16		
Car	2027	984	0	52
3	0	-6		
LGV Personal	2012	8	0	2
-2	0	1		
LGV Personal	2027	14	0	2
-1	0	0		
LGV Freight	2012	114	0	13
16	0	5		
LGV Freight	2027	207	0	14
13	0	1		
OGV1	2012	41	0	53
24	0	-17		
OGV1	2027	54	0	41
19	0	-11		
OGV2	2012	14	0	25
16	0	-8		
OGV2	2027	19	0	18
13	0	-5		
All	2012	666	0	135
49	0	-4		
All	2027	1277	0	126
46	0	-22		
Car	Total	42679	0	1974
52	0	-108		
LGV Personal	Total	593	0	73
-54	0	6		
LGV Freight	Total	9329	0	546
527	0	62		
OGV1	Total	2504	0	1703
800	0	-496		
OGV2	Total	871	0	771
530	0	-212		
All	Total	55976	0	5066
1855	0	-747		

PERSON_TYPES

User benefits and changes in revenues by person type, modelled years and total. £000s.

Person_type	Year	User Operator_Rev	User_Charges Indirect	Fuel
Vehicle_Operating_Cost		Time PT_fares_(pri	Taxes	
Non_fuel	PT_fares_(pri			
All	2012	666	0	135
49	0	-4		
All	2027	1277	0	126
46	0	-22		
All	Total	55956	0	5065
1854	0	-747		

PURPOSE

User benefits and changes in revenues by trip purpose, modelled years and total. £000s.

Purpose	Year	User Operator_Rev	User_Charges Indirect	Fuel
Vehicle_Operating_Cost		Time PT_fares_(pri	Taxes	
Non_fuel	PT_fares_(pri			
Business	2012	407	0	98
70	0	-17		
Business	2027	762	0	82
63	0	-16		
Commuting	2012	81	0	14
-5	0	2		
Commuting	2027	197	0	20
-3	0	-6		
Other	2012	177	0	22
-17	0	11		
Other	2027	317	0	25
-13	0	0		
Business	Total	34190	0	3348
2550	0	-640		
Commuting	Total	8263	0	753
-145	0	-182		
Other	Total	13527	0	966
-552	0	75		

PERIOD

User benefits and changes in revenues by time period, modelled years and total. £000s.

Period	Year	User Operator_Rev	User_Charges Indirect	Fuel
Vehicle_Operating_Cost		Time PT_fares_(pri	Taxes	
Non_fuel	PT_fares_(pri			
AM peak	2012	227	0	39
18	0	-10		
AM peak	2027	563	0	38
22	0	-15		
PM peak	2012	150	0	28
7	0	-2		
PM peak	2027	445	0	33
7	0	-10		
Inter-peak	2012	288	0	68
24	0	7		
Inter-peak	2027	268	0	55

17	0	3		
AM peak	Total	24263	0	1507
828	0	-547		
PM peak	Total	18818	0	1284
289	0	-352		
Inter-peak	Total	12901	0	2275
738	0	152		

SENSITIVITY

Total user benefits as a percentage of total DM user costs

	Modelled Years	
Mode	2012	2027
Road	1.25%	2.44%

Economy: Economic Efficiency of the Transport System(TEE)

Consumers	ALL MODES	
Road		
User benefits	TOTAL	
Travel Time	21787	
21787		
Vehicle operating costs	1022	
1022		
User charges	0	
0		
During Construction & Maintenance	0	
0		
NET CONSUMER BENEFITS	22809	
22809		
Business		
User benefits		Personal
Freight		
Travel Time	34195	21491
12703		
Vehicle operating costs	5897	1022
4875		
User charges	0	0
0		
During Construction & Maintenance	0	0
0		
Subtotal	40092	22513
17578		
Private Sector Provider Impacts		
Revenue	0	
0		
Operating costs	0	
0		
Investment costs	0	
0		
Grant/subsidy	0	
0		
Subtotal	0	
0		
Other business Impacts		

Developer contributions	0
0	
NET BUSINESS IMPACT	40092

TOTAL	
Present Value of Transport Economic Efficiency Benefits (PVB)	62901

Note: Benefits appear as positive numbers, while costs appear as negative numbers.

Note: All entries are present values discounted to 2002, in 2002 prices

Public Accounts

	ALL MODES	Road
Local Government Funding	TOTAL	
Revenue	0	0
Operating costs	0	0
Investment costs	698	698
Developer Contributions	0	0
Grant/Subsidy Payments	0	0
NET IMPACT	698	698

Central Government Funding

Revenue	0	0
Operating costs	469	469
Investment costs	6143	6143
Developer Contributions	0	0
Grant/Subsidy Payments	0	0
Indirect Tax Revenues	747	747
NET IMPACT	7359	7359

TOTAL	
TOTAL Present Value of Costs (PVC)	8057

Note: Costs appear as positive numbers, while revenues and developer contributions appear as negative numbers.

Note: All entries are present values discounted to 2002, in 2002 prices

Analysis of Monetised Costs and Benefits

Non-Exchequer Impacts

Consumer User Benefits	22809
Business User Benefits	40092
Private Sector Provider Impacts	0
Other Business Impacts	0

Accident Benefits Not assessed by TUBA

Carbon Benefits	108
-----------------	-----

Net present Value of Benefits (PVB)	63009
-------------------------------------	-------

Local Government Funding	698
Central Government Funding	7359

Net present Value Costs (PVC)	8057
-------------------------------	------

Overall Impact

Net present Value (NPV)	54952
Benefit to Cost Ratio (BCR)	7.820

Appraisal Period	2012 to 2071
------------------	--------------

Note: There may also be other significant costs and benefits, some of which cannot be presented in monetised form. Where this is the case, the analysis presented above does NOT provide a good measure of value for money and should not be used as the sole basis for decisions.

Tuba Output – Pessimistic Scenario

Transport User Benefit Appraisal TUBA v1.7a
Program run on Tuesday, 20 January 2009 at 16:08:33

ERRORS AND WARNINGS

621 Warnings found

Warning (none serious): Ratio of DM to DS travel time higher than limit for the following:

Origin	Destination	Time_slice	Veh_type	Purpose	Person_type	Year
DM_time	DS_time	Ratio				
202	88	3	Car	Business	All	2027
0.089	0.035	2.499				
202	88	3	Car	Commuting	All	2027
0.089	0.035	2.499				
202	88	3	Car	Other	All	2027
0.089	0.035	2.499				
202	88	3	LGV Personal	Business	All	2027
0.089	0.035	2.499				
202	88	3	LGV Personal	Commuting	All	2027
0.089	0.035	2.499				
202	88	3	LGV Personal	Other	All	2027
0.089	0.035	2.499				
202	88	3	LGV Freight	Business	All	2027
0.089	0.035	2.499				
202	88	3	LGV Freight	Commuting	All	2027
0.089	0.035	2.499				
202	88	3	LGV Freight	Other	All	2027
0.089	0.035	2.499				
202	88	3	OGV1	Business	All	2027
0.089	0.035	2.499				
202	88	3	OGV1	Commuting	All	2027
0.089	0.035	2.499				
202	88	3	OGV1	Other	All	2027
0.089	0.035	2.499				
202	88	3	OGV2	Business	All	2027
0.089	0.035	2.499				
202	88	3	OGV2	Commuting	All	2027
0.089	0.035	2.499				
202	88	3	OGV2	Other	All	2027
0.089	0.035	2.499				
128	89	1	OGV1	Business	All	2012
0.191	0.107	1.784				
128	89	1	OGV1	Commuting	All	2012
0.191	0.107	1.784				
128	89	1	OGV1	Other	All	2012
0.191	0.107	1.784				
128	89	1	OGV2	Business	All	2012
0.191	0.107	1.784				
128	89	1	OGV2	Commuting	All	2012
0.191	0.107	1.784				
128	89	1	OGV2	Other	All	2012
0.191	0.107	1.784				
128	89	1	OGV1	Business	All	2027
0.193	0.108	1.781				

128	89	1	OGV1	Commuting	All	2027
0.193	0.108	1.781				
128	89	1	OGV1	Other	All	2027
0.193	0.108	1.781				
128	89	1	OGV2	Business	All	2027
0.193	0.108	1.781				
128	89	1	OGV2	Commuting	All	2027
0.193	0.108	1.781				
128	89	1	OGV2	Other	All	2027
0.193	0.108	1.781				
128	89	2	OGV1	Business	All	2012
0.188	0.107	1.761				
128	89	2	OGV1	Commuting	All	2012
0.188	0.107	1.761				
128	89	2	OGV1	Other	All	2012
0.188	0.107	1.761				
128	89	2	OGV2	Business	All	2012
0.188	0.107	1.761				
128	89	2	OGV2	Commuting	All	2012
0.188	0.107	1.761				
128	89	2	OGV2	Other	All	2012
0.188	0.107	1.761				
128	89	2	OGV1	Business	All	2027
0.191	0.109	1.756				
128	89	2	OGV1	Commuting	All	2027
0.191	0.109	1.756				
128	89	2	OGV1	Other	All	2027
0.191	0.109	1.756				
128	89	2	OGV2	Business	All	2027
0.191	0.109	1.756				
128	89	2	OGV2	Commuting	All	2027
0.191	0.109	1.756				
128	89	2	OGV2	Other	All	2027
0.191	0.109	1.756				
108	89	1	OGV1	Business	All	2012
0.191	0.110	1.747				
108	89	1	OGV1	Commuting	All	2012
0.191	0.110	1.747				
108	89	1	OGV1	Other	All	2012
0.191	0.110	1.747				
108	89	1	OGV2	Business	All	2012
0.191	0.110	1.747				
108	89	1	OGV2	Commuting	All	2012
0.191	0.110	1.747				
108	89	1	OGV2	Other	All	2012
0.191	0.110	1.747				
108	89	2	OGV1	Business	All	2012
0.191	0.110	1.734				
108	89	2	OGV1	Commuting	All	2012
0.191	0.110	1.734				
108	89	2	OGV1	Other	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Business	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Commuting	All	2012
0.191	0.110	1.734				
108	89	2	OGV2	Other	All	2012

0.191	0.110	1.734				
108	89	1	OGV1	Business	All	2027
0.193	0.111	1.732				
108	89	1	OGV1	Commuting	All	2027
0.193	0.111	1.732				
108	89	1	OGV1	Other	All	2027
0.193	0.111	1.732				
108	89	1	OGV2	Business	All	2027
0.193	0.111	1.732				
108	89	1	OGV2	Commuting	All	2027
0.193	0.111	1.732				
108	89	1	OGV2	Other	All	2027
0.193	0.111	1.732				
108	89	2	OGV1	Business	All	2027
0.194	0.112	1.725				
108	89	2	OGV1	Commuting	All	2027
0.194	0.112	1.725				
108	89	2	OGV1	Other	All	2027
0.194	0.112	1.725				
108	89	2	OGV2	Business	All	2027
0.194	0.112	1.725				
108	89	2	OGV2	Commuting	All	2027
0.194	0.112	1.725				
108	89	2	OGV2	Other	All	2027
0.194	0.112	1.725				
89	128	2	OGV1	Business	All	2012
0.189	0.110	1.724				
89	128	2	OGV1	Commuting	All	2012
0.189	0.110	1.724				
89	128	2	OGV1	Other	All	2012
0.189	0.110	1.724				
89	128	2	OGV2	Business	All	2012
0.189	0.110	1.724				
89	128	2	OGV2	Commuting	All	2012
0.189	0.110	1.724				
89	128	2	OGV2	Other	All	2012
0.189	0.110	1.724				
89	128	2	OGV1	Business	All	2027
0.192	0.112	1.719				
89	128	2	OGV1	Commuting	All	2027
0.192	0.112	1.719				
89	128	2	OGV1	Other	All	2027
0.192	0.112	1.719				
89	128	2	OGV2	Business	All	2027
0.192	0.112	1.719				
89	128	2	OGV2	Commuting	All	2027
0.192	0.112	1.719				
89	128	2	OGV2	Other	All	2027
0.192	0.112	1.719				
88	202	1	Car	Business	All	2027
0.069	0.040	1.716				
88	202	1	Car	Commuting	All	2027
0.069	0.040	1.716				
88	202	1	Car	Other	All	2027
0.069	0.040	1.716				
88	202	1	LGV Personal	Business	All	2027
0.069	0.040	1.716				

88	202	1	LGV Personal	Commuting	All	2027
0.069	0.040	1.716				
88	202	1	LGV Personal	Other	All	2027
0.069	0.040	1.716				
88	202	1	LGV Freight	Business	All	2027
0.069	0.040	1.716				
88	202	1	LGV Freight	Commuting	All	2027
0.069	0.040	1.716				
88	202	1	LGV Freight	Other	All	2027
0.069	0.040	1.716				
88	202	1	OGV1	Business	All	2027
0.069	0.040	1.716				
88	202	1	OGV1	Commuting	All	2027
0.069	0.040	1.716				
88	202	1	OGV1	Other	All	2027
0.069	0.040	1.716				
88	202	1	OGV2	Business	All	2027
0.069	0.040	1.716				
88	202	1	OGV2	Commuting	All	2027
0.069	0.040	1.716				
88	202	1	OGV2	Other	All	2027
0.069	0.040	1.716				
89	108	2	OGV1	Business	All	2012
0.192	0.114	1.682				
89	108	2	OGV1	Commuting	All	2012
0.192	0.114	1.682				
89	108	2	OGV1	Other	All	2012
0.192	0.114	1.682				
89	108	2	OGV2	Business	All	2012
0.192	0.114	1.682				
89	108	2	OGV2	Commuting	All	2012
0.192	0.114	1.682				
89	108	2	OGV2	Other	All	2012
0.192	0.114	1.682				
89	108	2	OGV1	Business	All	2027
0.195	0.116	1.677				
89	108	2	OGV1	Commuting	All	2027
0.195	0.116	1.677				
89	108	2	OGV1	Other	All	2027
0.195	0.116	1.677				
89	108	2	OGV2	Business	All	2027
0.195	0.116	1.677				
89	108	2	OGV2	Commuting	All	2027
0.195	0.116	1.677				
89	108	2	OGV2	Other	All	2027
0.195	0.116	1.677				
201	88	3	Car	Business	All	2027
0.146	0.087	1.675				
201	88	3	Car	Commuting	All	2027
0.146	0.087	1.675				
201	88	3	Car	Other	All	2027
0.146	0.087	1.675				
201	88	3	LGV Personal	Business	All	2027
0.146	0.087	1.675				
201	88	3	LGV Personal	Commuting	All	2027
0.146	0.087	1.675				
201	88	3	LGV Personal	Other	All	2027

0.146	0.087	1.675				
201	88	3	LGV Freight	Business	All	2027
0.146	0.087	1.675				
201	88	3	LGV Freight	Commuting	All	2027
0.146	0.087	1.675				
201	88	3	LGV Freight	Other	All	2027
0.146	0.087	1.675				
201	88	3	OGV1	Business	All	2027
0.146	0.087	1.675				
201	88	3	OGV1	Commuting	All	2027
0.146	0.087	1.675				
201	88	3	OGV1	Other	All	2027
0.146	0.087	1.675				
201	88	3	OGV2	Business	All	2027
0.146	0.087	1.675				
201	88	3	OGV2	Commuting	All	2027
0.146	0.087	1.675				
201	88	3	OGV2	Other	All	2027
0.146	0.087	1.675				
109	89	1	OGV1	Business	All	2012
0.188	0.114	1.653				
109	89	1	OGV1	Commuting	All	2012
0.188	0.114	1.653				
109	89	1	OGV1	Other	All	2012
0.188	0.114	1.653				
109	89	1	OGV2	Business	All	2012
0.188	0.114	1.653				
109	89	1	OGV2	Commuting	All	2012
0.188	0.114	1.653				
109	89	1	OGV2	Other	All	2012
0.188	0.114	1.653				
89	128	1	OGV1	Business	All	2012
0.200	0.121	1.646				
89	128	1	OGV1	Commuting	All	2012
0.200	0.121	1.646				
89	128	1	OGV1	Other	All	2012
0.200	0.121	1.646				
89	128	1	OGV2	Business	All	2012
0.200	0.121	1.646				
89	128	1	OGV2	Commuting	All	2012
0.200	0.121	1.646				
89	128	1	OGV2	Other	All	2012
0.200	0.121	1.646				
109	89	1	OGV1	Business	All	2027
0.190	0.116	1.642				
109	89	1	OGV1	Commuting	All	2027
0.190	0.116	1.642				
109	89	1	OGV1	Other	All	2027
0.190	0.116	1.642				
109	89	1	OGV2	Business	All	2027
0.190	0.116	1.642				
109	89	1	OGV2	Commuting	All	2027
0.190	0.116	1.642				
109	89	1	OGV2	Other	All	2027
0.190	0.116	1.642				
128	90	1	OGV1	Business	All	2012
0.213	0.130	1.640				

128	90	1	OGV1	Commuting	All	2012
0.213	0.130	1.640				
128	90	1	OGV1	Other	All	2012
0.213	0.130	1.640				
128	90	1	OGV2	Business	All	2012
0.213	0.130	1.640				
128	90	1	OGV2	Commuting	All	2012
0.213	0.130	1.640				
128	90	1	OGV2	Other	All	2012
0.213	0.130	1.640				
128	90	1	OGV1	Business	All	2027
0.216	0.132	1.639				
128	90	1	OGV1	Commuting	All	2027
0.216	0.132	1.639				
128	90	1	OGV1	Other	All	2027
0.216	0.132	1.639				
128	90	1	OGV2	Business	All	2027
0.216	0.132	1.639				
128	90	1	OGV2	Commuting	All	2027
0.216	0.132	1.639				
128	90	1	OGV2	Other	All	2027
0.216	0.132	1.639				
109	89	2	OGV1	Business	All	2012
0.187	0.114	1.636				
109	89	2	OGV1	Commuting	All	2012
0.187	0.114	1.636				
109	89	2	OGV1	Other	All	2012
0.187	0.114	1.636				
109	89	2	OGV2	Business	All	2012
0.187	0.114	1.636				
109	89	2	OGV2	Commuting	All	2012
0.187	0.114	1.636				
109	89	2	OGV2	Other	All	2012
0.187	0.114	1.636				
105	88	3	Car	Business	All	2027
0.151	0.093	1.634				
105	88	3	Car	Commuting	All	2027
0.151	0.093	1.634				
105	88	3	Car	Other	All	2027
0.151	0.093	1.634				
105	88	3	LGV Personal	Business	All	2027
0.151	0.093	1.634				
105	88	3	LGV Personal	Commuting	All	2027
0.151	0.093	1.634				
105	88	3	LGV Personal	Other	All	2027
0.151	0.093	1.634				
105	88	3	LGV Freight	Business	All	2027
0.151	0.093	1.634				
105	88	3	LGV Freight	Commuting	All	2027
0.151	0.093	1.634				
105	88	3	LGV Freight	Other	All	2027
0.151	0.093	1.634				
105	88	3	OGV1	Business	All	2027
0.151	0.093	1.634				
105	88	3	OGV1	Commuting	All	2027
0.151	0.093	1.634				
105	88	3	OGV1	Other	All	2027

0.151	0.093	1.634				
105	88	3	OGV2	Business	All	2027
0.151	0.093	1.634				
105	88	3	OGV2	Commuting	All	2027
0.151	0.093	1.634				
105	88	3	OGV2	Other	All	2027
0.151	0.093	1.634				
109	89	2	OGV1	Business	All	2027
0.190	0.117	1.630				
109	89	2	OGV1	Commuting	All	2027
0.190	0.117	1.630				
109	89	2	OGV1	Other	All	2027
0.190	0.117	1.630				
109	89	2	OGV2	Business	All	2027
0.190	0.117	1.630				
109	89	2	OGV2	Commuting	All	2027
0.190	0.117	1.630				
109	89	2	OGV2	Other	All	2027
0.190	0.117	1.630				
128	90	2	OGV1	Business	All	2012
0.211	0.131	1.616				
128	90	2	OGV1	Commuting	All	2012
0.211	0.131	1.616				
128	90	2	OGV1	Other	All	2012
0.211	0.131	1.616				
128	90	2	OGV2	Business	All	2012
0.211	0.131	1.616				
128	90	2	OGV2	Commuting	All	2012
0.211	0.131	1.616				
128	90	2	OGV2	Other	All	2012
0.211	0.131	1.616				
108	90	1	OGV1	Business	All	2012
0.214	0.132	1.612				
108	90	1	OGV1	Commuting	All	2012
0.214	0.132	1.612				
108	90	1	OGV1	Other	All	2012
0.214	0.132	1.612				
108	90	1	OGV2	Business	All	2012
0.214	0.132	1.612				
108	90	1	OGV2	Commuting	All	2012
0.214	0.132	1.612				
108	90	1	OGV2	Other	All	2012
0.214	0.132	1.612				
128	90	2	OGV1	Business	All	2027
0.214	0.133	1.611				
128	90	2	OGV1	Commuting	All	2027
0.214	0.133	1.611				
128	90	2	OGV1	Other	All	2027
0.214	0.133	1.611				
128	90	2	OGV2	Business	All	2027
0.214	0.133	1.611				
128	90	2	OGV2	Commuting	All	2027
0.214	0.133	1.611				
128	90	2	OGV2	Other	All	2027
0.214	0.133	1.611				
89	109	2	OGV1	Business	All	2012
0.188	0.117	1.604				

89	109	2	OGV1	Commuting	All	2012
0.188	0.117	1.604				
89	109	2	OGV1	Other	All	2012
0.188	0.117	1.604				
89	109	2	OGV2	Business	All	2012
0.188	0.117	1.604				
89	109	2	OGV2	Commuting	All	2012
0.188	0.117	1.604				
89	109	2	OGV2	Other	All	2012
0.188	0.117	1.604				
108	90	1	OGV1	Business	All	2027
0.215	0.134	1.602				
108	90	1	OGV1	Commuting	All	2027
0.215	0.134	1.602				
108	90	1	OGV1	Other	All	2027
0.215	0.134	1.602				
108	90	1	OGV2	Business	All	2027
0.215	0.134	1.602				
108	90	1	OGV2	Commuting	All	2027
0.215	0.134	1.602				
108	90	1	OGV2	Other	All	2027
0.215	0.134	1.602				
89	108	1	OGV1	Business	All	2012
0.205	0.128	1.600				
89	108	1	OGV1	Commuting	All	2012
0.205	0.128	1.600				
89	108	1	OGV1	Other	All	2012
0.205	0.128	1.600				
89	108	1	OGV2	Business	All	2012
0.205	0.128	1.600				
89	108	1	OGV2	Commuting	All	2012
0.205	0.128	1.600				
89	108	1	OGV2	Other	All	2012
0.205	0.128	1.600				
89	109	2	OGV1	Business	All	2027
0.191	0.119	1.600				
89	109	2	OGV1	Commuting	All	2027
0.191	0.119	1.600				
89	109	2	OGV1	Other	All	2027
0.191	0.119	1.600				
89	109	2	OGV2	Business	All	2027
0.191	0.119	1.600				
89	109	2	OGV2	Commuting	All	2027
0.191	0.119	1.600				
89	109	2	OGV2	Other	All	2027
0.191	0.119	1.600				
108	90	2	OGV1	Business	All	2012
0.214	0.134	1.598				
108	90	2	OGV1	Commuting	All	2012
0.214	0.134	1.598				
108	90	2	OGV1	Other	All	2012
0.214	0.134	1.598				
108	90	2	OGV2	Business	All	2012
0.214	0.134	1.598				
108	90	2	OGV2	Commuting	All	2012
0.214	0.134	1.598				
108	90	2	OGV2	Other	All	2012

0.214	0.134	1.598				
90	128	3	OGV1	Business	All	2012
0.214	0.135	1.591				
90	128	3	OGV1	Commuting	All	2012
0.214	0.135	1.591				
90	128	3	OGV1	Other	All	2012
0.214	0.135	1.591				
90	128	3	OGV2	Business	All	2012
0.214	0.135	1.591				
90	128	3	OGV2	Commuting	All	2012
0.214	0.135	1.591				
90	128	3	OGV2	Other	All	2012
0.214	0.135	1.591				
108	90	2	OGV1	Business	All	2027
0.217	0.136	1.589				
108	90	2	OGV1	Commuting	All	2027
0.217	0.136	1.589				
108	90	2	OGV1	Other	All	2027
0.217	0.136	1.589				
108	90	2	OGV2	Business	All	2027
0.217	0.136	1.589				
108	90	2	OGV2	Commuting	All	2027
0.217	0.136	1.589				
108	90	2	OGV2	Other	All	2027
0.217	0.136	1.589				
90	128	3	OGV1	Business	All	2027
0.217	0.137	1.584				
90	128	3	OGV1	Commuting	All	2027
0.217	0.137	1.584				
90	128	3	OGV1	Other	All	2027
0.217	0.137	1.584				
90	128	3	OGV2	Business	All	2027
0.217	0.137	1.584				
90	128	3	OGV2	Commuting	All	2027
0.217	0.137	1.584				
90	128	3	OGV2	Other	All	2027
0.217	0.137	1.584				
90	128	2	OGV1	Business	All	2012
0.210	0.133	1.577				
90	128	2	OGV1	Commuting	All	2012
0.210	0.133	1.577				
90	128	2	OGV1	Other	All	2012
0.210	0.133	1.577				
90	128	2	OGV2	Business	All	2012
0.210	0.133	1.577				
90	128	2	OGV2	Commuting	All	2012
0.210	0.133	1.577				
90	128	2	OGV2	Other	All	2012
0.210	0.133	1.577				
128	90	3	OGV1	Business	All	2012
0.230	0.147	1.567				
128	90	3	OGV1	Commuting	All	2012
0.230	0.147	1.567				
128	90	3	OGV1	Other	All	2012
0.230	0.147	1.567				
128	90	3	OGV2	Business	All	2012
0.230	0.147	1.567				

128	90	3	OGV2	Commuting	All	2012
0.230	0.147	1.567				
128	90	3	OGV2	Other	All	2012
0.230	0.147	1.567				
90	128	2	OGV1	Business	All	2027
0.213	0.136	1.566				
90	128	2	OGV1	Commuting	All	2027
0.213	0.136	1.566				
90	128	2	OGV1	Other	All	2027
0.213	0.136	1.566				
90	128	2	OGV2	Business	All	2027
0.213	0.136	1.566				
90	128	2	OGV2	Commuting	All	2027
0.213	0.136	1.566				
90	128	2	OGV2	Other	All	2027
0.213	0.136	1.566				
90	108	3	OGV1	Business	All	2012
0.215	0.139	1.548				
90	108	3	OGV1	Commuting	All	2012
0.215	0.139	1.548				
90	108	3	OGV1	Other	All	2012
0.215	0.139	1.548				
90	108	3	OGV2	Business	All	2012
0.215	0.139	1.548				
90	108	3	OGV2	Commuting	All	2012
0.215	0.139	1.548				
90	108	3	OGV2	Other	All	2012
0.215	0.139	1.548				
90	108	2	OGV1	Business	All	2012
0.213	0.138	1.547				
90	108	2	OGV1	Commuting	All	2012
0.213	0.138	1.547				
90	108	2	OGV1	Other	All	2012
0.213	0.138	1.547				
90	108	2	OGV2	Business	All	2012
0.213	0.138	1.547				
90	108	2	OGV2	Commuting	All	2012
0.213	0.138	1.547				
90	108	2	OGV2	Other	All	2012
0.213	0.138	1.547				
109	90	1	OGV1	Business	All	2012
0.210	0.137	1.539				
109	90	1	OGV1	Commuting	All	2012
0.210	0.137	1.539				
109	90	1	OGV1	Other	All	2012
0.210	0.137	1.539				
109	90	1	OGV2	Business	All	2012
0.210	0.137	1.539				
109	90	1	OGV2	Commuting	All	2012
0.210	0.137	1.539				
109	90	1	OGV2	Other	All	2012
0.210	0.137	1.539				
90	108	3	OGV1	Business	All	2027
0.217	0.141	1.539				
90	108	3	OGV1	Commuting	All	2027
0.217	0.141	1.539				
90	108	3	OGV1	Other	All	2027

0.217	0.141	1.539				
90	108	3	OGV2	Business	All	2027
0.217	0.141	1.539				
90	108	3	OGV2	Commuting	All	2027
0.217	0.141	1.539				
90	108	3	OGV2	Other	All	2027
0.217	0.141	1.539				
90	108	2	OGV1	Business	All	2027
0.216	0.141	1.535				
90	108	2	OGV1	Commuting	All	2027
0.216	0.141	1.535				
90	108	2	OGV1	Other	All	2027
0.216	0.141	1.535				
90	108	2	OGV2	Business	All	2027
0.216	0.141	1.535				
90	108	2	OGV2	Commuting	All	2027
0.216	0.141	1.535				
90	108	2	OGV2	Other	All	2027
0.216	0.141	1.535				
108	90	3	OGV1	Business	All	2012
0.234	0.152	1.532				
108	90	3	OGV1	Commuting	All	2012
0.234	0.152	1.532				
108	90	3	OGV1	Other	All	2012
0.234	0.152	1.532				
108	90	3	OGV2	Business	All	2012
0.234	0.152	1.532				
108	90	3	OGV2	Commuting	All	2012
0.234	0.152	1.532				
108	90	3	OGV2	Other	All	2012
0.234	0.152	1.532				
109	90	1	OGV1	Business	All	2027
0.213	0.139	1.531				
109	90	1	OGV1	Commuting	All	2027
0.213	0.139	1.531				
109	90	1	OGV1	Other	All	2027
0.213	0.139	1.531				
109	90	1	OGV2	Business	All	2027
0.213	0.139	1.531				
109	90	1	OGV2	Commuting	All	2027
0.213	0.139	1.531				
109	90	1	OGV2	Other	All	2027
0.213	0.139	1.531				
89	109	1	OGV1	Business	All	2012
0.201	0.131	1.528				
89	109	1	OGV1	Commuting	All	2012
0.201	0.131	1.528				
89	109	1	OGV1	Other	All	2012
0.201	0.131	1.528				
89	109	1	OGV2	Business	All	2012
0.201	0.131	1.528				
89	109	1	OGV2	Commuting	All	2012
0.201	0.131	1.528				
89	109	1	OGV2	Other	All	2012
0.201	0.131	1.528				
89	128	1	OGV1	Business	All	2027
0.208	0.136	1.525				

89	128	1	OGV1	Commuting	All	2027
0.208	0.136	1.525				
89	128	1	OGV1	Other	All	2027
0.208	0.136	1.525				
89	128	1	OGV2	Business	All	2027
0.208	0.136	1.525				
89	128	1	OGV2	Commuting	All	2027
0.208	0.136	1.525				
89	128	1	OGV2	Other	All	2027
0.208	0.136	1.525				
109	90	2	OGV1	Business	All	2012
0.210	0.138	1.521				
109	90	2	OGV1	Commuting	All	2012
0.210	0.138	1.521				
109	90	2	OGV1	Other	All	2012
0.210	0.138	1.521				
109	90	2	OGV2	Business	All	2012
0.210	0.138	1.521				
109	90	2	OGV2	Commuting	All	2012
0.210	0.138	1.521				
109	90	2	OGV2	Other	All	2012
0.210	0.138	1.521				
109	90	2	OGV1	Business	All	2027
0.213	0.141	1.514				
109	90	2	OGV1	Commuting	All	2027
0.213	0.141	1.514				
109	90	2	OGV1	Other	All	2027
0.213	0.141	1.514				
109	90	2	OGV2	Business	All	2027
0.213	0.141	1.514				
109	90	2	OGV2	Commuting	All	2027
0.213	0.141	1.514				
109	90	2	OGV2	Other	All	2027
0.213	0.141	1.514				
201	118	3	Car	Business	All	2027
0.184	0.122	1.510				
201	118	3	Car	Commuting	All	2027
0.184	0.122	1.510				
201	118	3	Car	Other	All	2027
0.184	0.122	1.510				
201	118	3	LGV Personal	Business	All	2027
0.184	0.122	1.510				
201	118	3	LGV Personal	Commuting	All	2027
0.184	0.122	1.510				
201	118	3	LGV Personal	Other	All	2027
0.184	0.122	1.510				
201	118	3	LGV Freight	Business	All	2027
0.184	0.122	1.510				
201	118	3	LGV Freight	Commuting	All	2027
0.184	0.122	1.510				
201	118	3	LGV Freight	Other	All	2027
0.184	0.122	1.510				

Displayed 333 warnings.

Warning (none serious): Ratio of DM to DS travel distance higher than limit for the following:

Origin	Destination	Time_slice	Veh_type	Purpose	Person_type	Year
--------	-------------	------------	----------	---------	-------------	------

DM_dist	DS_dist	Ratio				
108	89	2	OGV1	Business	All	2012
9.580	5.823	1.645				
108	89	2	OGV1	Commuting	All	2012
9.580	5.823	1.645				
108	89	2	OGV1	Other	All	2012
9.580	5.823	1.645				
108	89	2	OGV2	Business	All	2012
9.580	5.823	1.645				
108	89	2	OGV2	Commuting	All	2012
9.580	5.823	1.645				
108	89	2	OGV2	Other	All	2012
9.580	5.823	1.645				
108	89	2	OGV1	Business	All	2027
9.572	5.823	1.644				
108	89	2	OGV1	Commuting	All	2027
9.572	5.823	1.644				
108	89	2	OGV1	Other	All	2027
9.572	5.823	1.644				
108	89	2	OGV2	Business	All	2027
9.572	5.823	1.644				
108	89	2	OGV2	Commuting	All	2027
9.572	5.823	1.644				
108	89	2	OGV2	Other	All	2027
9.572	5.823	1.644				
89	108	1	OGV1	Business	All	2012
9.564	5.823	1.643				
89	108	1	OGV1	Commuting	All	2012
9.564	5.823	1.643				
89	108	1	OGV1	Other	All	2012
9.564	5.823	1.643				
89	108	1	OGV2	Business	All	2012
9.564	5.823	1.643				
89	108	1	OGV2	Commuting	All	2012
9.564	5.823	1.643				
89	108	1	OGV2	Other	All	2012
9.564	5.823	1.643				
108	89	1	OGV1	Business	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Commuting	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Other	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Business	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Commuting	All	2027
9.560	5.823	1.642				
108	89	1	OGV2	Other	All	2027
9.560	5.823	1.642				
108	89	1	OGV1	Business	All	2012
9.560	5.823	1.642				
108	89	1	OGV1	Commuting	All	2012
9.560	5.823	1.642				
108	89	1	OGV1	Other	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Business	All	2012
9.560	5.823	1.642				

108	89	1	OGV2	Commuting	All	2012
9.560	5.823	1.642				
108	89	1	OGV2	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Business	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Business	All	2027
9.560	5.823	1.642				
89	108	2	OGV1	Commuting	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Commuting	All	2027
9.560	5.823	1.642				
89	108	2	OGV1	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV1	Other	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Business	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Business	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Commuting	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Commuting	All	2027
9.560	5.823	1.642				
89	108	2	OGV2	Other	All	2012
9.560	5.823	1.642				
89	108	2	OGV2	Other	All	2027
9.560	5.823	1.642				
108	102	3	OGV1	Business	All	2027
17.474	10.762	1.624				
108	103	3	OGV1	Business	All	2027
17.474	10.762	1.624				
108	102	3	OGV1	Commuting	All	2027
17.474	10.762	1.624				
108	103	3	OGV1	Commuting	All	2027
17.474	10.762	1.624				
108	102	3	OGV1	Other	All	2027
17.474	10.762	1.624				
108	103	3	OGV1	Other	All	2027
17.474	10.762	1.624				
108	102	3	OGV2	Business	All	2027
17.474	10.762	1.624				
108	103	3	OGV2	Business	All	2027
17.474	10.762	1.624				
108	102	3	OGV2	Commuting	All	2027
17.474	10.762	1.624				
108	103	3	OGV2	Commuting	All	2027
17.474	10.762	1.624				
108	102	3	OGV2	Other	All	2027
17.474	10.762	1.624				
108	103	3	OGV2	Other	All	2027
17.474	10.762	1.624				
89	128	1	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Business	All	2027

10.080	6.283	1.604				
89	128	1	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Commuting	All	2027
10.080	6.283	1.604				
89	128	1	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV1	Other	All	2027
10.080	6.283	1.604				
89	128	1	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Business	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Business	All	2027
10.080	6.283	1.604				
89	128	1	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Commuting	All	2027
10.080	6.283	1.604				
89	128	1	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	1	OGV2	Other	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Business	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Business	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Business	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Business	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Commuting	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Commuting	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Commuting	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Commuting	All	2027
10.080	6.283	1.604				
89	128	2	OGV1	Other	All	2012
10.080	6.283	1.604				
128	89	2	OGV1	Other	All	2012
10.080	6.283	1.604				
89	128	2	OGV1	Other	All	2027
10.080	6.283	1.604				
128	89	2	OGV1	Other	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Business	All	2012
10.080	6.283	1.604				

128	89	2	OGV2	Business	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Business	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Business	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Commuting	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Commuting	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Commuting	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Commuting	All	2027
10.080	6.283	1.604				
89	128	2	OGV2	Other	All	2012
10.080	6.283	1.604				
128	89	2	OGV2	Other	All	2012
10.080	6.283	1.604				
89	128	2	OGV2	Other	All	2027
10.080	6.283	1.604				
128	89	2	OGV2	Other	All	2027
10.080	6.283	1.604				
128	102	3	OGV1	Business	All	2027
17.947	11.225	1.599				
128	103	3	OGV1	Business	All	2027
17.947	11.225	1.599				
128	102	3	OGV1	Commuting	All	2027
17.947	11.225	1.599				
128	103	3	OGV1	Commuting	All	2027
17.947	11.225	1.599				
128	102	3	OGV1	Other	All	2027
17.947	11.225	1.599				
128	103	3	OGV1	Other	All	2027
17.947	11.225	1.599				
128	102	3	OGV2	Business	All	2027
17.947	11.225	1.599				
128	103	3	OGV2	Business	All	2027
17.947	11.225	1.599				
128	102	3	OGV2	Commuting	All	2027
17.947	11.225	1.599				
128	103	3	OGV2	Commuting	All	2027
17.947	11.225	1.599				
128	102	3	OGV2	Other	All	2027
17.947	11.225	1.599				
128	103	3	OGV2	Other	All	2027
17.947	11.225	1.599				
89	108	1	OGV1	Business	All	2027
9.570	6.094	1.570				
89	108	1	OGV1	Commuting	All	2027
9.570	6.094	1.570				
89	108	1	OGV1	Other	All	2027
9.570	6.094	1.570				
89	108	1	OGV2	Business	All	2027
9.570	6.094	1.570				
89	108	1	OGV2	Commuting	All	2027
9.570	6.094	1.570				
89	108	1	OGV2	Other	All	2027

9.570	6.094	1.570				
128	102	3	OGV1	Business	All	2012
17.219	10.982	1.568				
128	103	3	OGV1	Business	All	2012
17.219	10.982	1.568				
128	102	3	OGV1	Commuting	All	2012
17.219	10.982	1.568				
128	103	3	OGV1	Commuting	All	2012
17.219	10.982	1.568				
128	102	3	OGV1	Other	All	2012
17.219	10.982	1.568				
128	103	3	OGV1	Other	All	2012
17.219	10.982	1.568				
128	102	3	OGV2	Business	All	2012
17.219	10.982	1.568				
128	103	3	OGV2	Business	All	2012
17.219	10.982	1.568				
128	102	3	OGV2	Commuting	All	2012
17.219	10.982	1.568				
128	103	3	OGV2	Commuting	All	2012
17.219	10.982	1.568				
128	102	3	OGV2	Other	All	2012
17.219	10.982	1.568				
128	103	3	OGV2	Other	All	2012
17.219	10.982	1.568				
89	109	1	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Business	All	2027
9.360	6.023	1.554				
89	109	1	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Commuting	All	2027
9.360	6.023	1.554				
89	109	1	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV1	Other	All	2027
9.360	6.023	1.554				
89	109	1	OGV2	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Business	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Business	All	2027
9.360	6.023	1.554				
89	109	1	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Commuting	All	2027
9.360	6.023	1.554				
89	109	1	OGV2	Other	All	2012
9.360	6.023	1.554				

109	89	1	OGV2	Other	All	2012
9.360	6.023	1.554				
109	89	1	OGV2	Other	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Business	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Business	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Business	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Business	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Commuting	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Commuting	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Commuting	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Commuting	All	2027
9.360	6.023	1.554				
89	109	2	OGV1	Other	All	2012
9.360	6.023	1.554				
109	89	2	OGV1	Other	All	2012
9.360	6.023	1.554				
89	109	2	OGV1	Other	All	2027
9.360	6.023	1.554				
109	89	2	OGV1	Other	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Business	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Business	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Business	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Business	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Commuting	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Commuting	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Commuting	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Commuting	All	2027
9.360	6.023	1.554				
89	109	2	OGV2	Other	All	2012
9.360	6.023	1.554				
109	89	2	OGV2	Other	All	2012
9.360	6.023	1.554				
89	109	2	OGV2	Other	All	2027
9.360	6.023	1.554				
109	89	2	OGV2	Other	All	2027
9.360	6.023	1.554				
89	128	1	OGV1	Business	All	2027
10.080	6.558	1.537				
89	128	1	OGV1	Commuting	All	2027
10.080	6.558	1.537				
89	128	1	OGV1	Other	All	2027

10.080	6.558	1.537				
89	128	1	OGV2	Business	All	2027
10.080	6.558	1.537				
89	128	1	OGV2	Commuting	All	2027
10.080	6.558	1.537				
89	128	1	OGV2	Other	All	2027
10.080	6.558	1.537				
94	108	3	OGV1	Business	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Commuting	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Other	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Business	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Commuting	All	2012
13.942	9.078	1.536				
94	108	3	OGV2	Other	All	2012
13.942	9.078	1.536				
94	108	3	OGV1	Business	All	2027
13.942	9.078	1.536				
94	108	3	OGV1	Commuting	All	2027
13.942	9.078	1.536				
94	108	3	OGV1	Other	All	2027
13.942	9.078	1.536				
94	108	3	OGV2	Business	All	2027
13.942	9.078	1.536				
94	108	3	OGV2	Commuting	All	2027
13.942	9.078	1.536				
94	108	3	OGV2	Other	All	2027
13.942	9.078	1.536				
108	94	1	OGV1	Business	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Business	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Commuting	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Commuting	All	2027
13.902	9.078	1.531				
108	94	1	OGV1	Other	All	2012
13.902	9.078	1.531				
108	94	1	OGV1	Other	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Business	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Business	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Commuting	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Commuting	All	2027
13.902	9.078	1.531				
108	94	1	OGV2	Other	All	2012
13.902	9.078	1.531				
108	94	1	OGV2	Other	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Business	All	2012
13.902	9.078	1.531				

108	94	2	OGV1	Business	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Commuting	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Commuting	All	2027
13.902	9.078	1.531				
108	94	2	OGV1	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV1	Other	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Business	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Business	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Commuting	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Commuting	All	2027
13.902	9.078	1.531				
108	94	2	OGV2	Other	All	2012
13.902	9.078	1.531				
108	94	2	OGV2	Other	All	2027
13.902	9.078	1.531				
94	108	1	OGV1	Business	All	2012
13.942	9.176	1.519				
94	108	1	OGV1	Commuting	All	2012
13.942	9.176	1.519				
94	108	1	OGV1	Other	All	2012
13.942	9.176	1.519				
94	108	1	OGV2	Business	All	2012
13.942	9.176	1.519				
94	108	1	OGV2	Commuting	All	2012
13.942	9.176	1.519				
94	108	1	OGV2	Other	All	2012
13.942	9.176	1.519				
94	108	2	OGV1	Business	All	2027
13.789	9.078	1.519				
94	108	2	OGV1	Commuting	All	2027
13.789	9.078	1.519				
94	108	2	OGV1	Other	All	2027
13.789	9.078	1.519				
94	108	2	OGV2	Business	All	2027
13.789	9.078	1.519				
94	108	2	OGV2	Commuting	All	2027
13.789	9.078	1.519				
94	108	2	OGV2	Other	All	2027
13.789	9.078	1.519				
94	108	2	OGV1	Business	All	2012
13.781	9.078	1.518				
94	108	2	OGV1	Commuting	All	2012
13.781	9.078	1.518				
94	108	2	OGV1	Other	All	2012
13.781	9.078	1.518				
94	108	2	OGV2	Business	All	2012
13.781	9.078	1.518				
94	108	2	OGV2	Commuting	All	2012
13.781	9.078	1.518				
94	108	2	OGV2	Other	All	2012

13.781	9.078	1.518				
94	128	2	OGV1	Business	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Business	All	2027
14.402	9.538	1.510				
94	128	2	OGV1	Commuting	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Commuting	All	2027
14.402	9.538	1.510				
94	128	2	OGV1	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV1	Other	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Business	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Business	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Commuting	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Commuting	All	2027
14.402	9.538	1.510				
94	128	2	OGV2	Other	All	2012
14.402	9.538	1.510				
94	128	2	OGV2	Other	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Business	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Commuting	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Other	All	2027
14.402	9.538	1.510				
94	128	3	OGV2	Business	All	2027
14.402	9.538	1.510				
94	128	3	OGV2	Commuting	All	2027
14.402	9.538	1.510				
94	128	3	OGV2	Other	All	2027
14.402	9.538	1.510				
94	128	3	OGV1	Business	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Commuting	All	2012
14.402	9.538	1.510				
94	128	3	OGV1	Other	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Business	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Commuting	All	2012
14.402	9.538	1.510				
94	128	3	OGV2	Other	All	2012
14.402	9.538	1.510				
128	94	1	OGV1	Business	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Business	All	2027
14.362	9.538	1.506				
128	94	1	OGV1	Commuting	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Commuting	All	2027
14.362	9.538	1.506				

128	94	1	OGV1	Other	All	2012
14.362	9.538	1.506				
128	94	1	OGV1	Other	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Business	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Business	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Commuting	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Commuting	All	2027
14.362	9.538	1.506				
128	94	1	OGV2	Other	All	2012
14.362	9.538	1.506				
128	94	1	OGV2	Other	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Business	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Business	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Commuting	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Commuting	All	2027
14.362	9.538	1.506				
128	94	2	OGV1	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV1	Other	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Business	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Business	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Commuting	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Commuting	All	2027
14.362	9.538	1.506				
128	94	2	OGV2	Other	All	2012
14.362	9.538	1.506				
128	94	2	OGV2	Other	All	2027
14.362	9.538	1.506				
108	90	2	OGV1	Business	All	2012
11.253	7.496	1.501				
108	90	2	OGV1	Commuting	All	2012
11.253	7.496	1.501				
108	90	2	OGV1	Other	All	2012
11.253	7.496	1.501				
108	90	2	OGV2	Business	All	2012
11.253	7.496	1.501				
108	90	2	OGV2	Commuting	All	2012
11.253	7.496	1.501				
108	90	2	OGV2	Other	All	2012
11.253	7.496	1.501				
108	90	2	OGV1	Business	All	2027
11.245	7.496	1.500				
108	90	2	OGV1	Commuting	All	2027
11.245	7.496	1.500				
108	90	2	OGV1	Other	All	2027

11.245	7.496	1.500				
108	90	2	OGV2	Business	All	2027
11.245	7.496	1.500				
108	90	2	OGV2	Commuting	All	2027
11.245	7.496	1.500				
108	90	2	OGV2	Other	All	2027
11.245	7.496	1.500				

Displayed 288 warnings.

INPUT_SUMMARY

Run name	A18-A180 link
DM scheme	Do nothing
DS scheme	With Scheme

Economic parameter file X:\2007-08\Series D087 Project Planning & Appraisal\D087019 A18-A180 Link MSBC\Tuba pesimistic\Jan 2009\economics.txt
 Scheme parameter file X:\2007-08\Series D087 Project Planning & Appraisal\D087019 A18-A180 Link MSBC\Tuba pesimistic\Jan 2009\SCHEME.TXT

First year of scheme costs	2008
First Appraisal Year	2012
Last Appraisal Year	2071
Modelled years	2012 2027

Time period	Total hours
AM peak	633
PM peak	633
Inter-peak	1518
Total	2784

Note: All monetary values are in 2002 market prices. All monetary values discounted to 2002 unless otherwise stated.

DM_SCHEME_COSTS

Do minimum scheme costs. Undiscounted £000s

Mode	Year	Prep.	Superv.	Constr.
Land	Maint.	Oper.	Grant/Sub.	Dev._Cont
Road	2008	0	0	0
0	0	0	0	0
Road	2009	0	0	0
0	0	0	0	0
Road	2010	0	0	0
0	0	0	0	0
Road	2011	0	0	0
0	0	0	0	0
Road	2012	0	0	0
0	0	0	0	0
Road	2013	0	0	0
0	0	0	0	0
Road	2014	0	0	0
0	0	0	0	0
Road	2015	0	0	0
0	0	0	0	0
Road	2016	0	0	0

0	0	0	0	0	0	0
Road	2017	0	0	0	0	0
0	0	0	0	0	0	0
Road	2018	0	0	0	0	0
0	0	0	0	0	0	0
Road	2019	0	0	0	0	0
0	0	0	0	0	0	0
Road	2020	0	0	0	0	0
0	0	0	0	0	0	0
Road	2021	0	0	0	0	0
0	0	0	0	0	0	0
Road	2022	0	0	0	0	0
0	0	0	0	0	0	0
Road	2023	0	0	0	0	0
0	0	0	0	0	0	0
Road	2024	0	0	0	0	0
0	0	0	0	0	0	0
Road	2025	0	0	0	0	0
0	0	0	0	0	0	0
Road	2026	0	0	0	0	0
0	0	0	0	0	0	0
Road	2027	0	0	0	0	0
0	0	0	0	0	0	0
Road	2028	0	0	0	0	0
0	0	0	0	0	0	0
Road	2029	0	0	0	0	0
0	0	0	0	0	0	0
Road	2030	0	0	0	0	0
0	0	0	0	0	0	0
Road	2031	0	0	0	0	0
0	0	0	0	0	0	0
Road	2032	0	0	0	0	0
0	0	0	0	0	0	0
Road	2033	0	0	0	0	0
0	0	0	0	0	0	0
Road	2034	0	0	0	0	0
0	0	0	0	0	0	0
Road	2035	0	0	0	0	0
0	0	0	0	0	0	0
Road	2036	0	0	0	0	0
0	0	0	0	0	0	0
Road	2037	0	0	0	0	0
0	0	0	0	0	0	0
Road	2038	0	0	0	0	0
0	0	0	0	0	0	0
Road	2039	0	0	0	0	0
0	0	0	0	0	0	0
Road	2040	0	0	0	0	0
0	0	0	0	0	0	0
Road	2041	0	0	0	0	0
0	0	0	0	0	0	0
Road	2042	0	0	0	0	0
0	0	0	0	0	0	0
Road	2043	0	0	0	0	0
0	0	0	0	0	0	0
Road	2044	0	0	0	0	0
0	0	0	0	0	0	0

Road	2045	0	0	0	0	0
0	0	0	0	0	0	0
Road	2046	0	0	0	0	0
0	0	0	0	0	0	0
Road	2047	0	0	0	0	0
0	0	0	0	0	0	0
Road	2048	0	0	0	0	0
0	0	0	0	0	0	0
Road	2049	0	0	0	0	0
0	0	0	0	0	0	0
Road	2050	0	0	0	0	0
0	0	0	0	0	0	0
Road	2051	0	0	0	0	0
0	0	0	0	0	0	0
Road	2052	0	0	0	0	0
0	0	0	0	0	0	0
Road	2053	0	0	0	0	0
0	0	0	0	0	0	0
Road	2054	0	0	0	0	0
0	0	0	0	0	0	0
Road	2055	0	0	0	0	0
0	0	0	0	0	0	0
Road	2056	0	0	0	0	0
0	0	0	0	0	0	0
Road	2057	0	0	0	0	0
0	0	0	0	0	0	0
Road	2058	0	0	0	0	0
0	0	0	0	0	0	0
Road	2059	0	0	0	0	0
0	0	0	0	0	0	0
Road	2060	0	0	0	0	0
0	0	0	0	0	0	0
Road	2061	0	0	0	0	0
0	0	0	0	0	0	0
Road	2062	0	0	0	0	0
0	0	0	0	0	0	0
Road	2063	0	0	0	0	0
0	0	0	0	0	0	0
Road	2064	0	0	0	0	0
0	0	0	0	0	0	0
Road	2065	0	0	0	0	0
0	0	0	0	0	0	0
Road	2066	0	0	0	0	0
0	0	0	0	0	0	0
Road	2067	0	0	0	0	0
0	0	0	0	0	0	0
Road	2068	0	0	0	0	0
0	0	0	0	0	0	0
Road	2069	0	0	0	0	0
0	0	0	0	0	0	0
Road	2070	0	0	0	0	0
0	0	0	0	0	0	0
Road	2071	0	0	0	0	0
0	0	0	0	0	0	0

DS_SCHEME_COSTS

Do something scheme costs. Undiscounted £000s

Mode	Year	Prep.	Superv.	Constr.
Land	Maint.	Oper.	Grant/Sub.	Dev._Cont
Road	2008	0	0	0
0	0	0	0	0
Road	2009	375	0	0
85	0	0	0	0
Road	2010	417	0	416
28	0	0	0	0
Road	2011	42	0	7495
0	0	0	0	0
Road	2012	0	0	416
0	0	25	0	0
Road	2013	0	0	0
0	0	25	0	0
Road	2014	0	0	0
0	0	25	0	0
Road	2015	0	0	0
0	0	25	0	0
Road	2016	0	0	0
0	0	25	0	0
Road	2017	0	0	0
0	0	25	0	0
Road	2018	0	0	0
0	0	25	0	0
Road	2019	0	0	0
0	0	25	0	0
Road	2020	0	0	0
0	0	25	0	0
Road	2021	0	0	0
0	0	25	0	0
Road	2022	0	0	0
0	0	25	0	0
Road	2023	0	0	0
0	0	25	0	0
Road	2024	0	0	0
0	0	25	0	0
Road	2025	0	0	0
0	0	25	0	0
Road	2026	0	0	0
0	0	25	0	0
Road	2027	0	0	0
0	0	25	0	0
Road	2028	0	0	0
0	0	25	0	0
Road	2029	0	0	0
0	0	25	0	0
Road	2030	0	0	0
0	0	25	0	0
Road	2031	0	0	0
0	0	25	0	0
Road	2032	0	0	0
0	0	25	0	0
Road	2033	0	0	0
0	0	25	0	0
Road	2034	0	0	0
0	0	25	0	0
Road	2035	0	0	0

0	0	25	0	0	0	0
Road	2036	0	0	0	0	0
0	0	25	0	0	0	0
Road	2037	0	0	0	0	0
0	0	25	0	0	0	0
Road	2038	0	0	0	0	0
0	0	25	0	0	0	0
Road	2039	0	0	0	0	0
0	0	25	0	0	0	0
Road	2040	0	0	0	0	0
0	0	25	0	0	0	0
Road	2041	0	0	0	0	0
0	0	25	0	0	0	0
Road	2042	0	0	0	0	0
0	0	25	0	0	0	0
Road	2043	0	0	0	0	0
0	0	25	0	0	0	0
Road	2044	0	0	0	0	0
0	0	25	0	0	0	0
Road	2045	0	0	0	0	0
0	0	25	0	0	0	0
Road	2046	0	0	0	0	0
0	0	25	0	0	0	0
Road	2047	0	0	0	0	0
0	0	25	0	0	0	0
Road	2048	0	0	0	0	0
0	0	25	0	0	0	0
Road	2049	0	0	0	0	0
0	0	25	0	0	0	0
Road	2050	0	0	0	0	0
0	0	25	0	0	0	0
Road	2051	0	0	0	0	0
0	0	25	0	0	0	0
Road	2052	0	0	0	0	0
0	0	25	0	0	0	0
Road	2053	0	0	0	0	0
0	0	25	0	0	0	0
Road	2054	0	0	0	0	0
0	0	25	0	0	0	0
Road	2055	0	0	0	0	0
0	0	25	0	0	0	0
Road	2056	0	0	0	0	0
0	0	25	0	0	0	0
Road	2057	0	0	0	0	0
0	0	25	0	0	0	0
Road	2058	0	0	0	0	0
0	0	25	0	0	0	0
Road	2059	0	0	0	0	0
0	0	25	0	0	0	0
Road	2060	0	0	0	0	0
0	0	25	0	0	0	0
Road	2061	0	0	0	0	0
0	0	25	0	0	0	0
Road	2062	0	0	0	0	0
0	0	25	0	0	0	0
Road	2063	0	0	0	0	0
0	0	25	0	0	0	0

Road	2064	0	0	0
0	0	25	0	0
Road	2065	0	0	0
0	0	25	0	0
Road	2066	0	0	0
0	0	25	0	0
Road	2067	0	0	0
0	0	25	0	0
Road	2068	0	0	0
0	0	25	0	0
Road	2069	0	0	0
0	0	25	0	0
Road	2070	0	0	0
0	0	25	0	0
Road	2071	0	0	0
0	0	25	0	0

PRESENT_VALUE_COSTS

Scheme investment and operating costs (i.e. excluding grant/subsidy, developer contributions and delays) and differences. £000s.

Mode	Year	DM_scheme_costs	DS_scheme_costs	Difference
Road	2008	0	0	0
Road	2009	0	362	362
Road	2010	0	655	655
Road	2011	0	5530	5530
Road	2012	0	313	313
Road	2013	0	17	17
Road	2014	0	17	17
Road	2015	0	16	16
Road	2016	0	15	15
Road	2017	0	15	15
Road	2018	0	14	14
Road	2019	0	14	14
Road	2020	0	13	13
Road	2021	0	13	13
Road	2022	0	13	13
Road	2023	0	12	12
Road	2024	0	12	12
Road	2025	0	11	11
Road	2026	0	11	11
Road	2027	0	11	11
Road	2028	0	10	10
Road	2029	0	10	10
Road	2030	0	10	10
Road	2031	0	9	9
Road	2032	0	9	9
Road	2033	0	9	9
Road	2034	0	8	8
Road	2035	0	8	8
Road	2036	0	8	8
Road	2037	0	8	8
Road	2038	0	7	7
Road	2039	0	7	7
Road	2040	0	7	7
Road	2041	0	7	7
Road	2042	0	6	6
Road	2043	0	6	6

Road	2044	0	6	6
Road	2045	0	6	6
Road	2046	0	6	6
Road	2047	0	6	6
Road	2048	0	5	5
Road	2049	0	5	5
Road	2050	0	5	5
Road	2051	0	5	5
Road	2052	0	5	5
Road	2053	0	5	5
Road	2054	0	5	5
Road	2055	0	4	4
Road	2056	0	4	4
Road	2057	0	4	4
Road	2058	0	4	4
Road	2059	0	4	4
Road	2060	0	4	4
Road	2061	0	4	4
Road	2062	0	4	4
Road	2063	0	3	3
Road	2064	0	3	3
Road	2065	0	3	3
Road	2066	0	3	3
Road	2067	0	3	3
Road	2068	0	3	3
Road	2069	0	3	3
Road	2070	0	3	3
Road	2071	0	3	3
Road	Total	0	7310	7310

TRIP_MATRIX_TOTALS

Annualised total trip numbers(thousands)

Submode	Year	Time period	DO MIN	DO SOM
Car	2012	AM peak	4092	4086
Car	2012	PM peak	4581	4549
Car	2012	Inter-peak	4764	4764
Car	2012	All	13436	13399
Car	2027	AM peak	4504	4484
Car	2027	PM peak	5055	5050
Car	2027	Inter-peak	5348	5348
Car	2027	All	14907	14883
LGV Personal	2012	AM peak	98	98
LGV Personal	2012	PM peak	73	72
LGV Personal	2012	Inter-peak	200	200
LGV Personal	2012	All	370	370
LGV Personal	2027	AM peak	108	107
LGV Personal	2027	PM peak	80	80
LGV Personal	2027	Inter-peak	224	224
LGV Personal	2027	All	412	412
LGV Freight	2012	AM peak	705	704
LGV Freight	2012	PM peak	529	525
LGV Freight	2012	Inter-peak	1483	1483
LGV Freight	2012	All	2716	2711
LGV Freight	2027	AM peak	776	772
LGV Freight	2027	PM peak	583	583
LGV Freight	2027	Inter-peak	1664	1664
LGV Freight	2027	All	3024	3020

OGV1	2012	AM peak	434	432
OGV1	2012	PM peak	374	374
OGV1	2012	Inter-peak	1172	1172
OGV1	2012	All	1980	1979
OGV1	2027	AM peak	539	538
OGV1	2027	PM peak	465	464
OGV1	2027	Inter-peak	1454	1454
OGV1	2027	All	2458	2456
OGV2	2012	AM peak	163	162
OGV2	2012	PM peak	140	140
OGV2	2012	Inter-peak	379	379
OGV2	2012	All	682	682
OGV2	2027	AM peak	202	202
OGV2	2027	PM peak	174	174
OGV2	2027	Inter-peak	471	471
OGV2	2027	All	847	846
All	2012	AM peak	5491	5482
All	2012	PM peak	5697	5661
All	2012	Inter-peak	7998	7998
All	2012	All	19185	19140
All	2027	AM peak	6129	6104
All	2027	PM peak	6358	6352
All	2027	Inter-peak	9162	9162
All	2027	All	21648	21617

DM&DS_USER_COSTS

Total value of user costs, DM and DS. £000s.

Mode	Year	DMtot_time	DMtot_charge	DMtot_fuel	
DMtot_nonfuel		DStot_time	DStot_charge	DStot_fuel	DStot_nonfuel
Road	2012	36143	0	17670	
12713	35936	0	17671	12739	
Road	2027	32119	0	12176	
8865	31792	0	12167	8884	

FUEL_CONSUMPTION

Total fuel consumption, DM and DS. kilolitres.

Submode	Year	Do minimum		Do something
		petrol	diesel	petrol
diesel				
Car	2012	8215	3149	8254
3162				
Car	2027	6876	4143	6886
4148				
LGV Personal	2012	70	339	71
341				
LGV Personal	2027	78	375	78
376				
LGV Freight	2012	515	2486	517
2497				
LGV Freight	2027	570	2746	572
2756				
OGV1	2012	0	12315	0
12271				
OGV1	2027	0	15085	0
15047				
OGV2	2012	0	5778	0
5758				

OGV2	2027	0	7102	0
7086				
All	2012	8800	24067	8842
24029				
All	2027	7523	29451	7536
29413				
Car	Total	419173	240569	419968
240937				
LGV Personal	Total	4601	22196	4620
22276				
LGV Freight	Total	33733	162698	33873
163313				
OGV1	Total	0	882927	0
880618				
OGV2	Total	0	415553	0
414520				
All	Total	457506	1723943	458460
1721664				

CARBON_EMISSION

		Emissions (tonnes)			
cost (£000s, low)		cost (£000s, central)			
cost (£000s, high)					
Submode	Year	DM	DS	Increase	
DM	DS	Increase	DM	DS	
Increase	DM	DS	Increase	DS	
Car	2012	7184	7217		33
248	249	1	432		434
2	801	805	4		
Car	2027	7010	7019		9
190	191	0	298		298
0	513	513	1		
LGV Personal	2012	278	280		1
10	10	0	17		17
0	31	31	0		
LGV Personal	2027	305	306		1
8	8	0	13		13
22	22	0			0
LGV Freight	2012	2040	2050		10
70	71	0	123		123
1	228	229	1		
LGV Freight	2027	2239	2247		8
61	61	0	95		95
0	164	164	1		
OGV1	2012	8558	8527		-31
295	294	-1	515		513
-2	955	951	-3		
OGV1	2027	10408	10382		-26
283	282	-1	442		441
-1	761	759	-2		
OGV2	2012	4015	4001		-14
138	138	0	242		241
-1	448	446	-2		
OGV2	2027	4900	4889		-12
133	133	0	208		208
0	358	358	-1		
All	2012	22077	22076		-1

761	761	0	1328	1328
0	2462	2462	0	
All	2027	24862	24844	-19
675	675	-1	1056	1055
-1	1818	1817	-1	
Car	Total	419293	420028	735
9129	9146	18	13862	13890
28	23331	23379	48	
LGV Personal	Total	18102	18168	66
392	394	1	595	597
2	999	1003	4	
LGV Freight	Total	132687	133197	510
2875	2886	11	4358	4375
17	7324	7353	29	
OGV1	Total	609463	607869	-1594
13126	13091	-35	19857	19804
-54	33322	33231	-91	
OGV2	Total	286846	286133	-713
6177	6161	-16	9343	9319
-24	15678	15637	-41	
All	Total	1466392	1465395	-997
31698	31677	-20	48015	47985
-30	80653	80603	-50	

MODE

User benefits and changes in revenues by mode, all years. £000s.

Mode	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
Non_fuel	PT_fares_(pri	Time	PT_fares_(pri	Fuel
		Taxes		
Road	2012	653	0	127
44	0	0		
Road	2013	666	0	126
43	0	-1		
Road	2014	679	0	124
42	0	-2		
Road	2015	691	0	122
42	0	-2		
Road	2016	702	0	120
41	0	-3		
Road	2017	713	0	118
40	0	-4		
Road	2018	723	0	116
40	0	-4		
Road	2019	732	0	114
39	0	-5		
Road	2020	741	0	111
38	0	-5		
Road	2021	750	0	109
38	0	-5		
Road	2022	755	0	108
37	0	-5		
Road	2023	760	0	106
36	0	-6		
Road	2024	764	0	104
36	0	-6		
Road	2025	768	0	102

35	0	-6		
Road	2026	771	0	100
34	0	-6		
Road	2027	774	0	98
34	0	-6		
Road	2028	757	0	95
33	0	-6		
Road	2029	742	0	92
31	0	-6		
Road	2030	726	0	89
30	0	-6		
Road	2031	711	0	86
29	0	-5		
Road	2032	699	0	83
28	0	-5		
Road	2033	687	0	80
27	0	-5		
Road	2034	676	0	77
26	0	-5		
Road	2035	664	0	75
26	0	-5		
Road	2036	653	0	72
25	0	-5		
Road	2037	643	0	70
24	0	-4		
Road	2038	634	0	68
23	0	-4		
Road	2039	625	0	66
22	0	-4		
Road	2040	616	0	64
22	0	-4		
Road	2041	608	0	62
21	0	-4		
Road	2042	600	0	60
21	0	-4		
Road	2043	591	0	58
20	0	-4		
Road	2044	583	0	57
19	0	-4		
Road	2045	575	0	55
19	0	-3		
Road	2046	567	0	53
18	0	-3		
Road	2047	559	0	52
18	0	-3		
Road	2048	552	0	50
17	0	-3		
Road	2049	544	0	49
17	0	-3		
Road	2050	537	0	47
16	0	-3		
Road	2051	529	0	46
16	0	-3		
Road	2052	521	0	45
15	0	-3		
Road	2053	513	0	43
15	0	-3		

Road	2054	505	0	42
14	0	-3		
Road	2055	498	0	41
14	0	-3		
Road	2056	490	0	40
14	0	-2		
Road	2057	483	0	39
13	0	-2		
Road	2058	476	0	37
13	0	-2		
Road	2059	468	0	36
12	0	-2		
Road	2060	461	0	35
12	0	-2		
Road	2061	454	0	34
12	0	-2		
Road	2062	448	0	33
11	0	-2		
Road	2063	442	0	32
11	0	-2		
Road	2064	436	0	31
11	0	-2		
Road	2065	430	0	30
10	0	-2		
Road	2066	424	0	30
10	0	-2		
Road	2067	418	0	29
10	0	-2		
Road	2068	413	0	28
10	0	-2		
Road	2069	407	0	27
9	0	-2		
Road	2070	401	0	26
9	0	-2		
Road	2071	396	0	25
9	0	-2		
Road	Total	35802	0	4090
1403	0	-209		

SUBMODE

User benefits and changes in revenues by submode/vehicle type, modelled years and total. £000s.

Submode	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
		Taxes		
Non_fuel	PT_fares_(pri			
Car	2012	479	0	39
-7	0	18		
Car	2027	574	0	38
-4	0	3		
LGV Personal	2012	8	0	2
-2	0	1		
LGV Personal	2027	9	0	2
-1	0	0		
LGV Freight	2012	112	0	12
15	0	5		
LGV Freight	2027	131	0	11

11	0	3		
OGV1	2012	40	0	51
23	0	-16		
OGV1	2027	45	0	33
17	0	-8		
OGV2	2012	14	0	24
15	0	-7		
OGV2	2027	16	0	15
11	0	-4		
All	2012	653	0	127
44	0	0		
All	2027	774	0	98
34	0	-6		
Car	Total	26339	0	1490
-181	0	200		
LGV Personal	Total	394	0	61
-59	0	14		
LGV Freight	Total	6188	0	456
451	0	123		
OGV1	Total	2135	0	1427
716	0	-377		
OGV2	Total	739	0	655
475	0	-169		
All	Total	35795	0	4090
1403	0	-209		

PERSON_TYPES

User benefits and changes in revenues by person type, modelled years and total. £000s.

Person_type	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
Non_fuel	PT_fares_(pri	Taxes		
All	2012	653	0	127
44	0	0		
All	2027	774	0	98
34	0	-6		
All	Total	35778	0	4090
1402	0	-209		

PURPOSE

User benefits and changes in revenues by trip purpose, modelled years and total. £000s.

Purpose	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
		Time	PT_fares_(pri	Fuel
Non_fuel	PT_fares_(pri	Taxes		
Business	2012	398	0	94
68	0	-15		
Business	2027	478	0	65
51	0	-8		
Commuting	2012	79	0	13
-6	0	3		
Commuting	2027	105	0	14
-3	0	-2		
Other	2012	176	0	21
-18	0	11		

Other	2027	190	0	19
-14	0	4		
Business	Total	22513	0	2792
2148	0	-369		
Commuting	Total	4675	0	544
-155	0	-53		
Other	Total	8605	0	754
-590	0	213		

PERIOD

User benefits and changes in revenues by time period, modelled years and total. £000s.

Period	Year	User	User_Charges	
Vehicle_Operating_Cost		Operator_Rev	Indirect	
Non_fuel	PT_fares_(pri	Time PT_fares_(pri		Fuel
		Taxes		
AM peak	2012	199	0	38
14	0	-8		
AM peak	2027	326	0	28
16	0	-8		
PM peak	2012	165	0	25
6	0	0		
PM peak	2027	205	0	23
5	0	-6		
Inter-peak	2012	288	0	65
24	0	7		
Inter-peak	2027	243	0	47
12	0	8		
AM peak	Total	14558	0	1171
623	0	-317		
PM peak	Total	9358	0	924
216	0	-203		
Inter-peak	Total	11878	0	1995
563	0	312		

SENSITIVITY

Total user benefits as a percentage of total DM user costs

	Modelled Years	
Mode	2012	2027
Road	1.24%	1.70%

Economy:Economic Efficiency of the Transport System(TEE)

Consumers	ALL MODES
Road	
User benefits	TOTAL
Travel Time	13278
13278	
Vehicle operating costs	553
553	
User charges	0
0	
During Construction & Maintenance	0
0	
NET CONSUMER BENEFITS	13830
13830	

Business		
User benefits		Personal
Freight		
Travel Time	22517	13455
9061		
Vehicle operating costs	4939	760
4180		
User charges	0	0
0		
During Construction & Maintenance	0	0
0		
Subtotal	27456	14215
13241		
Private Sector Provider Impacts		
Revenue	0	
0		
Operating costs	0	
0		
Investment costs	0	
0		
Grant/subsidy	0	
0		
Subtotal	0	
0		
Other business Impacts		
Developer contributions	0	
0		
NET BUSINESS IMPACT	27456	
TOTAL		
Present Value of Transport Economic Efficiency Benefits (PVB)	41286	

Note: Benefits appear as positive numbers, while costs appear as negative numbers.

Note: All entries are present values discounted to 2002, in 2002 prices

Public Accounts		
	ALL MODES	Road
Local Government Funding	TOTAL	
Revenue	0	0
Operating costs	0	0
Investment costs	698	698
Developer Contributions	0	0
Grant/Subsidy Payments	0	0
NET IMPACT	698	698
Central Government Funding		
Revenue	0	0
Operating costs	469	469
Investment costs	6143	6143
Developer Contributions	0	0
Grant/Subsidy Payments	0	0
Indirect Tax Revenues	209	209

NET IMPACT	6821	6821
TOTAL		
TOTAL Present Value of Costs (PVC)	7519	

Note: Costs appear as positive numbers, while revenues and developer contributions appear as negative numbers.

Note: All entries are present values discounted to 2002, in 2002 prices

Analysis of Monetised Costs and Benefits

Non-Exchequer Impacts

Consumer User Benefits	13830
Business User Benefits	27456
Private Sector Provider Impacts	0
Other Business Impacts	0

Accident Benefits Not assessed by TUBA

Carbon Benefits 30

Net present Value of Benefits (PVB) 41316

Local Government Funding 698

Central Government Funding 6821

Net present Value Costs (PVC) 7519

Overall Impact

Net present Value (NPV)	33797
Benefit to Cost Ratio (BCR)	5.495

Appraisal Period 2012 to 2071

Note: There may also be other significant costs and benefits, some of which cannot be presented in monetised form. Where this is the case, the analysis presented above does NOT provide a good measure of value for money and should not be used as the sole basis for decisions.