

Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects

Environmental Statement

Volume 3

Appendix 24.5 - Interaction Between Impacts

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Environmental S	Title: Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects Environmental Statement Appendix 24.5 Interaction Between Impacts								
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Table A25.4.1: Potential Interactions (SEP or DEP in Isolation)

	Impact 1: Impact 2: Impact 3:		sact 3:	Impa	act 4:		Impact 5:		Impact 6:		Impact 7:					
Link ID	Seve	rance	Am	ienity	Pedestr	rian Delay	Road	Safety	Potential Interaction between Impacts 1,2,3 with Impact 4	Driver Delay (Hig	hway Constraints)	Driver dela	y (Capacity)	Driver Delay (Road Closures)	Potential Interaction between Impacts 5, 6 and 7
	Measures	Residual Impact	Measures	Residual Impact	Measures	Residual Impact	Measures	Residual Impact		Measures	Residual Impact	Measures	Residual Impact		Residual Impact	
1	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
2 3	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible	No interaction No interaction
4	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
5	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible	No interaction No interaction
7	n/a n/a	minor	M1.	minor	n/a n/a	minor	n/a n/a	negligible	No interaction	M4.	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction
9	n/a	minor	M1.	minor	n/a	minor	n/a	negligible negligible	No interaction	n/a	negligible	M1.	negligible minor	n/a	negligible negligible	No interaction
10 11	n/a n/a	minor	n/a	minor	n/a n/a	minor	n/a n/a	negligible	No interaction	M4. n/a	minor negligible	n/a	negligible	n/a n/a	negligible	No interaction
12	n/a	minor	n/a	minor	n/a	minor	n/a	negligible negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible negligible	No interaction
13	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	negligible negligible	No interaction	n/a n/a	negligible negligible	n/a Mi	minor	n/a n/a	negligible	No interaction
15	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	M1.	minor	n/a	negligible	No interaction
16 17	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible negligible	n/a n/a	minor	n/a n/a	negligible negligible	No interaction
18	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
19 20	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible	No interaction
21 22	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible	No interaction
	IVA	negligible	IVa	negligible	iva	negligible	Tea	negligible	Link 23 is forecast to experience an increase in total traffic of up to 1% and HGV traffic of 21%. The	Ted	negligible	liva	minor	Tud	negligible	No interaction
23	n/a	minor	n/a	minor	n/a	minor	n/a	minor	magnitude of effect for severance, amenity and pedestrian delay is consequently assessed as negligible. A collision cluster site (C1) is located along the link, however, none of the recorded collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is therefore forecast.	n/a	negligible	n/a	minor	n/a	negligible	
24	n/a	minor	n/a	minor	n/a	minor	n/a	minor	Link 24 is forecast to experience an increase in total traffic of upto 1% and HCV traffic of 49%. The magnitude of effect for severace, amenity and petertalian delay is consequently assessed as negligible. Two collisions cluster sites (C1 and C31) are tocated along the tink, however, none of the recorder collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
25	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
26 27	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	minor	No interaction	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	
28	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
29	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction Link 30 is forecast to experience an increase in total traffic of upto 4% and HGV traffic of 35%. The	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
30	n/a	minor	n/a	minor	n/a	minor	n/a	minor	magnitude of effect for severance, amenity and pedestrian delay is consequently assessed as negligible. A collision cluster site (CB) is located along the link, however, none of the recorded collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is therefore forecast.	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
31	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
32	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	minor	No interaction	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction
34	n/a n/a	negligible	n/a n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a n/a	negligible	No interaction
35 37	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible negligible	No interaction
38 39	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
40	n/a n/a	negligible negligible	n/a n/a	negligible negligible	n/a	negligible negligible	n/a n/a	minor	No interaction	n/a n/a	negligible negligible	n/a n/a	minor	n/a n/a	negligible negligible	No interaction
41 42	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a	negligible	n/a n/a	minor negligible	n/a n/a	negligible	No interaction No interaction
43	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
44 45	n/a n/a	negligible negligible	n/a n/a	negligible negligible	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction	n/a	negligible negligible	n/a n/a	minor negligible	n/a n/a	negligible negligible	No interaction
46	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
47	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction No interaction
49	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	M8.	minor	n/a	negligible	No interaction
50 51	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction	M5. n/a	minor negligible	n/a M8	negligible minor	n/a n/a	negligible	No interaction
52	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
53 54	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible	n/a M8.	minor	n/a n/a	negligible	No interaction
56 57	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction	n/a	negligible	M8. n/a	minor minor	n/a n/a	negligible	No interaction
58	n/a	negligible	n/a	negligible minor	n/a	negligible	n/a	negligible	No interaction	M4.	negligible minor	n/a	negligible	n/a	negligible minor	pa interaction of Amitor adverse residual impact is identified along link 56 associated with an increase in delays due to traffic needing to pass additional SEP and DEP construction traffic along a narrow read. Minor adverse impacts are also identified use to a temporary diversion if valific during a road cloarce to nastal cables across the road. During the road closer, edays experienced transmitting the link would transfer to diversion delays. No interaction between impacts is therefore forecast.
59	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	MR	minor	n/a	negligible	No interaction
60	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
61	n/a	minor	M2.	minor	n/a	minor	n/a	negligible	No interaction	м6.	minor	n/a	negligible	n/a	minor	A minor adverse readdal impact is identified along link 61 associated with an increase in delays due to traffic needing to pass additional SEP and DEP construction traffic along a narrow road. Minor adverse impacts are also identified use to a temporary diversion of traffic charge a narrow road, Minor adverse impacts increased the second se
62 63	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	M4.	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction
64	M1. and M2.	negligible minor	М1.	negligible minor	n/a	negligible minor	n/a	negligible	No interaction	M6.	minor	n/a	negligible	M10.	negligible minor	no intractional A minor adverse residual impact is identified along link 64 associated with an increase in delays due to traffic needing to pass additional SEP and DEP construction traffic along a narrow read. Minor adverse impacts are also identified the to a temporary diversion of traffic chairs a road cause to instal cables across the read. During the road closure, delays experienced transming the link would transfer to diversion delays. No interaction between impacts is interest for forecast.
65	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible negligible	No interaction	n/a M4	negligible minor	n/a n/a	negligible negligible	n/a n/a	negligible negligible	No interaction
66 67	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	
68 69	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	
71	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
72 73	n/a n/a	negligible negligible	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible negligible	M8. M8	minor	n/a n/a	negligible negligible	No interaction
74	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
75 76	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction No interaction
77	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
78 79	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a	negligible	n/a M8.	minor	n/a n/a	negligible	No interaction
80	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction

	Imp: Seve	act 1: srance	imp: Ami	act 2: znity	Im Pedes	1pact 3: itrian Delay	Impa Road S	ict 4: Safety	Potential Interaction between Impacts 1,2,3 with Impact 4	Imp: Driver Delay (Hig	act 5: hway Constraints)	Imp: Driver dela	act 6: ıy (Capacity)	Imp Driver Delay (act 7: Road Closures)	Potential Interaction between Impacts 5, 6 and 7
Link ID	Mitigation Measures Proposed	Residual Impact	Potential Interaction between Impacts 1,2,3 with Impact 4	Mitigation Measures Proposed	Residual Impact	Mitigation Measures Proposed	Residual Impact	Mitigation	Residual Impact	Potential Interaction between Impacts 5, 6 and 7						
81	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
82	n/a	minor	n/a	minor	n/a	negligible	n/a	negligible	No interaction	M6.	minor	n/a	negligible	n/a	negligible	No interaction
83	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
84 85	n/a	minor negligible	M1. and M2 n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	negligible negligible	No interaction	n/a	minor negligible	n/a	negligible minor	n/a n/a	negligible	No interaction
86	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	M9.	minor	n/a	negligible	No interaction
87	n/a	negligible	n/a	negligible	n/a	negligible	M3.	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
88	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
89	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible		n/a	negligible	M9.	minor	n/a	negligible	No interaction
90	n/a	minor	n/a	minor	n/a	negligible	n/a	minor	Link 00 is forecast to experience an increase in total traffic of up to 67% and HGV taffic of 49%. The magnitude of effect to reverance is assessed a medium, anneriny as to ward pedestinal delay as negligible. The link is assessed as low sensitily, resulting in mitor adverse impacts. A collision cluster site (202) is located at the junicido of Inike 0 with the Ar7, however, non of the recorded collisions involve pedestitans, cyclista or equestrians. No interaction between impacts is therefore forecast.	М6.	minor	n/a	negligible	n/a	negligible	No interaction
93	n/a	minor	n/a	minor	n/a	negligible	n/a	minor	concease. Link 63 is forecast to experience an increase in total traffic of upto 45% and HOV traffic of 117%. The anglitude of effect for eventures is assessed as low, annetity as maticum and posicitian delay as classer sail (C21) is located at the parktion of link 63, however, increa of the recorded collisions involve positistima, cylicite organization. The interaction of the records collisions involve positistima, cylicite organization. The same same same same same same same sam	M6.	minor	n/a	negligible	n/a	negligible	No interaction
94	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	
95	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a n/a	negligible	n/a		No interaction
96 97	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a		No interaction	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction
98	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
99	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
100	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
101	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	minor	n/a	negligible	n/a	negligible	No interaction
102	M1. and M2. n/a	minor	M2. n/a	minor	n/a n/a	minor	n/a n/a	negligible	No interaction	M6. M5	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction
103	n/a	negligible negligible	n/a n/a	negligible	n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a	negligible	n/a	negligible minor	n/a	negligible	No interaction
105	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
106	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
107	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	
108	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
109	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a	negligible minor	n/a n/a	negligible	n/a n/a		No interaction
110	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible negligible		n/a	negligible	n/a	negligible negligible	n/a	negligible	No interaction
112	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
113	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
114	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible		n/a	negligible	n/a	negligible	n/a		No interaction
115	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a	negligible minor	n/a n/a	negligible	n/a n/a		No interaction
115	n/a	negligible minor	n/a n/a	negligible minor	n/a	negligible minor	n/a n/a	negligible negligible	No interaction	M0.	minor	n/a	negligible negligible	n/a	negligible	No interaction
118	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	M5.	minor	n/a	negligible	n/a	negligible	No interaction
119	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	M5.	minor	n/a	negligible	n/a	negligible	No interaction
121	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	negligible	n/a	negligible	n/a	negligible	
122	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	minor	No interaction	n/a n/a	negligible	n/a n/a	negligible minor	n/a n/a		No interaction
123	n/a	negligible	n/a n/a	negligible	n/a	negligible	n/a	negligible negligible	No interaction	n/a n/a	negligible	n/a	minor	n/a n/a	negligible	No interaction
125	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
126	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
127	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
128	n/a	minor negligible	n/a n/a	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a n/a	negligible	n/a	negligible	n/a n/a		No interaction
129	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a		No interaction No interaction	Ma	negligible minor	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction
131	n/a	minor	M2.	minor	n/a	minor	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
133	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	M5.	negligible	n/a	negligible	n/a	negligible	No interaction
136	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible		n/a	negligible	n/a	negligible	n/a	negligible	No interaction
137	n/a	negligible minor	n/a n/a	minor	n/a n/a	negligible minor	n/a n/a	negligible	No interaction	M4.	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction
138	n/a	minor	n/a n/a	negligible	n/a	negligible	n/a	negligible negligible	No interaction	M7.	minor	n/a	negligible	n/a n/a	negligible	No interaction
141	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
143	n/a	negligible	n/a	minor	n/a	negligible	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
144	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	M7.	minor	n/a	negligible	n/a	negligible	No interaction
146	n/a n/a	negligible minor	n/a M1. and M2	negligible minor	n/a n/a	negligible minor	n/a n/a		No interaction	n/a	negligible minor	n/a n/a	negligible	n/a n/a		No interaction
148	n/a	minor	n/a	minor	n/a	negligible	n/a	negligible	No offer at Lion	M6.	minor	n/a	negligible	n/a	minor	A notice anothere institute impact to identified along this 14.8 associated with an intervane in delays due to institute needing to pass additional SEE and DEP construction that the olicy is a narrow read. Note a shore an impact are also identified due to a temporary diversion of traffic during a nardo ducau to install cables across the noad. During the read closure, draw providence watering the link would transfer to diversion delays. No interaction between impacts is therefore forecast.
149	M1. and M2.	minor	M1.	minor	n/a	minor	n/a	negligible	No interaction	mo.	minor	n/a	negligible	n/a	negligible	No interaction
150	n/a n/a	negligible	n/a n/a	negligible minor	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a	negligible	n/a n/a	negligible	n/a n/a		No interaction No interaction
152	n/a	negligible negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible minor	n/a	negligible negligible	n/a	negligible negligible	No interaction

Key

	Links requiring miligation
M1.	Peak HGV demand not to exceed forecast average daily HGV demand
M2.	Peak hour LV demand not to exceed the forecast average peak hour demand
M3.	Mitigation measures to include provision of enhanced warning signs
M4.	Mitigation to include, widening of existing passing places, provision of new passing places provided; or use of an escortipilot vehicle
M5.	Mitigation to include, provision of new passing places provided; or use of an escort/pilot vehicle
M6.	Mitigation to include, widening of existing passing places to be widened; or use of an escort/pilot vehicle. Peak LV trips reduced
M7.	Mitigation to include, reduction in peak LV trips
M8.	Mitigation to include daily HGV movements being capped at agreed levels
	Mitigation measures to be provided by National Highways
M10.	Mitigation toi include, advanced signing, staggering of closures, undertaking works during school holidays, liaison with bus operators; or use of trenchless technology
Potential for	or Impacts 1,2 and 3 to collectively interrelate with Impact 4
	No interaction as all impacts (1,2,3 & 4) negligible
	No interaction with impacts (1,2 & 3) as impact 4 negligible
	No interaction as impact 1, 2 and 3 are all negligible
Potential for	or Impacts 5,6 and 7 to interrelate
	No interaction as all impacts (5, 6 & 7) negligible
	No interaction as two of the three impacts (5, 6 or 7) are negligible

Table A25.4.2: Potential Interactions (SEP and DEP)

	Imp	ipact 1:	Imp	act 2:	Imp	rian Delay	Impa	KE4. Safatu		Imp: Driver Delay (High	accs: hway Constraints	Imp: Driver dela	(Capacity)	Impa Debuge Debug (Ct /: load Clorumer)	
Link ID	Jevi	verance	AIII	eniky	Peuest	nan belay	Koau	Salety	Potential Interaction between Impacts 1 2 3 with Impact 4	Driver Delay (Hig	nway constraints)	Dimer dela	(capacity)	Driver Delay (r	load closures)	Potential Interaction between Impacts 5, 6 and 7
	Mitigation		Mitigation		Mitigation		Mitigation			Mitigation		Mitigation				
	Measures	Residual Impact	Measures	Residual Impact	Measures	Residual Impact	Measures			Measures	Residual Impact	Measures	Residual Impact		Residual Impact	
	Proposed		Proposed		Proposed		Proposed			Proposed		Proposed				
1	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
2	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
3	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
4	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
5	n/a	minor	n/a	negligible	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
6	n/a	minor	n/a	negligible	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
7	n/a	minor	M1.	minor	n/a	minor	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
8	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	M5.	minor	n/a	negligible	n/a	negligible	No interaction
9	n/a	minor	M1.	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	M1.	minor	n/a	negligible	No interaction
10	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
11	n/a	minor	M1.	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	M1.	minor	n/a	negligible	No interaction
12	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No Interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
13	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No Interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
14	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	M1.	minor	n/a	negligible	No interaction
15	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	M1.	minor	n/a	negligible	No interaction
16	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
17	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
18	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
19 20	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
20	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
21	n/a	minor	n/a	negligible	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
22	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
									Link 23 is forecast to experience an increase in total traffic of up to 1% and HGV traffic of 27%. The							No interaction
									magnitude of effect for severance, amenity and pedestrian delay is consequently assessed as negligible. A collision cluster site (C1) is located along the link, however, none of the recorded							
23	n/a	minor	n/a	minor	n/a	minor	n/a	minor	collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is therefore	n/a	negligible	n/a	minor	n/a	negligible	
	1		1	1	1	1	1		forecast.		1					
	1	1	1	1	1	1	1				1	1				
	1		l .			1	1		Link 24 is forecast to experience an increase in total traffic of upto 2% and HGV traffic of 57%. The		1	1				
	1	1	1	1	1	1	1		magnitude of effect for severance, amenity and pedestrian delay is consequently assessed as		1	1				
24	n/a	minor	n/a	minor	n/a	minor	n/a	minor	negligible. Two collision cluster sites (C1 and C31) are located along the link, however, none of the	n/a	negligible	n/a	negligible	n/a	negligible	
24	nra	minor	172	minor	na	minor	iva	minor	recorded collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is	n/a	realigible	1/2	negiigibie	red	negiigibie	
	1		1	1	1	1	1		therefore forecast.		1	1				
			- 10	a set off of the late	- 10	and all a link			N - Manual An	- 1-	a staff side (a sector belo	- 4-	a staff official	No interaction
25	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction Link 26 is forecast to experience an increase in total traffic of upto 2% and HGV traffic of 37%. The	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
									Link 26 is forecast to experience an increase in total traffic of up to 2% and HGV traffic of 37%. The							
	1	1	1	1	1	1	1		magnitude of effect for severance, amenity and pedestrian delay is consequently assessed as negligible. Three collision cluster sites (C3, C4 and C5) are located along the link, however, only		1	1				
26	n/a	minor	n/a	minor	n/a	minor	n/a	minor	negligible. Three collision cluster sites (C3, C4 and C5) are located along the link, however, only	n/a	negligible	n/a	negligible	n/a	negligible	
									three of the 26 recorded collisions at these clusters involve pedestrians, cyclists or equestrians. No interaction between impacts is therefore forecast.							
									ineración between impacts is therefore forecast.							No interaction
27	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
28	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
29	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
									Link 30 is forecast to experience an increase in total traffic of upto 4% and HGV traffic of 35%. The							
									magnitude of effect for severance, amenity and pedestrian delay is consequently assessed as							
30	n/a	minor	n/a	minor	n/a	minor	n/a	minor	negligible. A collision cluster site (C8) is located along the link, however, none of the recorded	n/a	nonlinible	n/a	nosfable	n/a	nooficible	
30	iva	minor	iva	minor	iva	minor	iva	minor	collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is therefore	Tea	negligible	iva	negligible	iva	negligible	
									forecast.							
																No interaction
31	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
32	n/a	negligible	n/a	negligible negligible	n/a n/a	negligible	n/a	minor	No interaction	n/a n/a	negligible	n/a	negligible	n/a n/a	negligible negligible	No interaction
33 34	n/a n/a	negligible	n/a n/a	negligible	n/a	negligible	n/a n/a	minor	No interaction	n/a n/a	negligible	n/a n/a	negligible	n/a	negligible	No interaction
		negligible		negligible		negligible			No interaction		negligible		negligible		negligible	No interaction
35	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
37	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
38	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
39	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
40 41	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	minor	No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible	No interaction
		negligible		negligible		negligible		negligible	No interaction		negligible				negligible	No interaction
42	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a n/a	negligible	n/a	negligible	n/a n/a	negligible	No interaction
43	n/a n/a	minor	n/a n/a	minor	n/a n/a	minor	n/a n/a	negligible	No interaction	n/a n/a	negligible	n/a n/a	minor	n/a n/a	negligible	No interaction
44	n/a	negligible	n/a	negligible		negligible		negligible	No interaction No interaction		negligible				negligible	No meracion
45		negligible		and all all the lat		and all all the lat						- 14		- 4+	and all all all a	
46	n/a	negligible		negligible	n/a	negligible	n/a			n/a	negligible	n/a	negligible	n/a	negligible	Nonesactor
47	n/a n/a		n/a	negligible	n/a n/a	negligible	n/a	negligible	No interaction	n/a n/a	negligible negligible	n/a	negligible negligible	n/a	negligible negligible	No interaction
48	ira	negligible	n/a n/a	negligible negligible negligible	n/a n/a n/a	negligible negligible negligible	n/a n/a	negligible negligible	No interaction No interaction	n/a n/a n/a	negligible negligible negligible	n/a n/a	negligible negligible negligible	n/a n/a	negligible negligible negligible	No interaction No interaction
49	مام	negligible	n/a n/a n/a	negligible negligible negligible negligible	n/a n/a n/a	negligible negligible negligible negligible	n/a n/a n/a	negligible negligible negligible	No interaction No interaction No interaction	n/a n/a n/a	negligible negligible negligible negligible	n/a	negligible negligible negligible negligible	n/a n/a n/a	negligible negligible negligible negligible	No interaction
	n/a	negligible negligible	n/a n/a n/a	negligible negligible negligible negligible negligible	n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible	n/a n/a n/a	negligible negligible negligible negligible	No interaction No interaction No interaction No interaction No interaction	n/a n/a n/a	negligible negligible negligible negligible negligible	n/a n/a n/a M8.	negligible negligible negligible negligible minor	n/a n/a n/a	negligible negligible negligible negligible negligible	No interaction No interaction
50	n/a	negligible negligible negligible	n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible	n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible	n/a n/a n/a n/a	negligible negligible negligible negligible negligible	No interaction No int	n/a n/a n/a n/a M5.	negligible negligible negligible negligible negligible minor	n/a n/a	negligible negligible negligible negligible minor negligible	n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible	No interaction No interaction
51	n/a n/a	negligible negligible negligible negligible	n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible	No interaction No interaction No interaction No interaction No interaction	n/a n/a n/a n/a M5. n/a	negligible negligible negligible negligible negligible minor negligible	n/a n/a M8. n/a M8.	negligible negligible negligible minor negligible minor	n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible	No interaction No interaction
51	n/a n/a n/a	negligible negligible negligible negligible minor	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible minor	n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible megligible minor	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible	No interaction No int	n/a n/a n/a n/a M5. n/a n/a	negligible negligible negligible negligible minor negligible negligible	n/a n/a M8. n/a M8. n/a	negligible negligible negligible minor negligible minor minor	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible	No interaction No interaction
51 52 53 54	n/a n/a	negligible negligible negligible negligible minor negligible	n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible minor negligible	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible minor negligible	n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible	No interaction No int	n/a n/a n/a n/a M5. n/a	negligible negligible negligible negligible minor negligible negligible negligible	n/a n/a M8. n/a M8.	negligible negligible negligible minor negligible minor	n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No interaction
51 52 53 54	n/a n/a n/a n/a	negligible negligible negligible negligible minor negligible negligible	nia nia nia nia nia nia nia nia	negligible negligible negligible negligible negligible negligible minor negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible minor negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible	No inferention No inferentian No inf	n/a n/a n/a n/a M5. n/a n/a n/a n/a	negligible negligible negligible negligible minor negligible negligible negligible negligible	n/a n/a M8. n/a M8. n/a	negligible negligible negligible minor negligible minor minor minor minor	n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No interaction
51 52 53 54 56	n/a n/a n/a n/a n/a	negligible negligible negligible minor negligible negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible minor negligible negligible negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible minor negligible negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible minor negligible negligible negligible negligible negligible	n/a n/a M8. n/a M8. n/a M8. M8. M8.	negligible negligible negligible minor negligible minor minor minor minor minor minor	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No interaction
51 52 53 54	n/a n/a n/a n/a	negligible negligible negligible negligible minor negligible negligible	nia nia nia nia nia nia nia nia	negligible negligible negligible negligible negligible negligible minor negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible minor negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible	No inferention No inferentian No inf	n/a n/a n/a n/a M5. n/a n/a n/a n/a	negligible negligible negligible negligible minor negligible negligible negligible negligible	n/a n/a M8. n/a M8. n/a n/a n/a M8.	negligible negligible negligible minor negligible minor minor minor minor	n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int
51 52 53 54 56	n/a n/a n/a n/a n/a	negligible negligible negligible minor negligible negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible minor negligible negligible negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible minor negligible negligible negligible	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible minor negligible negligible negligible negligible negligible	n/a n/a M8. n/a M8. n/a M8. M8. M8.	negligible negligible negligible minor negligible minor minor minor minor minor minor	n/a n/a n/a n/a n/a n/a n/a n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No interaction
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51 52 53 54 56 57 58 58 59 60 61 61 61 62 63 64 64 65 66	nia nia nia nia nia nia nia nia nia nia	negligible regligible	nia nia nia nia nia nia nia nia nia nia	negligible negligible negligible segligible negligible negligible negligible negligible minor minor minor minor minor minor minor minor minor minor minor minor minor minor minor	n/a	negligible negligible negligible negligible negligible minor negligible negligible negligible negligible negligible negligible minor minor minor minor negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	n/a	negligible negligible negligible selfigible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int	000 100 100 100 100 100 100 100 100 100	regigible regigible	r/a r/a r/a r/a Ma r/a	negigibie negigibie negigibie negigibie negigibie manor micro micr	nia	negigibbe negigibbe negigibbe segigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe	No Interaction No Int
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51 52 53 54 56 57 57 58 58 60 61 61 62 63 64 64 65 66 66 66 66 66 67 71	nia nia	negligible megligible negligible negligible negligible negligible negligible minor m	n/a	negligible negligible negligible segligible negligible negligible negligible negligible negligible negligible minor minor minor minor minor minor minor negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	n/a	negligible negligible	n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int	000 000 000 000 000 000 000 000 000 00	regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible minor minor minor regligible minor minor regligible regligible minor	r/a r/a r/a r/a Ma r/a	negligibie negligibie negligibie negligibie negligibie negligibie mitor mitor mitor mitor mitor mitor mitor mitor mitor negligibie negligibie negligibie negligibie	nà n	negigibbe negigibbe negigibbe segigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe	No Interaction No Int
51 52 53 54 56 57 57 58 58 58 59 60 61 61 61 62 63 64 64 65 65 66 67 71 72	nia nia	negligible regligible	n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible ninor ninor ninor negligible ninor negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible ninor	nia	negligible negligible negligible negligible negligible negligible minor negligible	n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int	000 100 100 100 100 100 100 100	regigible regigible	ría ría ría 80. 148. 148. 148. 148. 148. 148. 148. 148	negligible negligible negligible negligible negligible migligible migligible miscr miscr miscr miscr miscr miscr miscr negligible negligible negligible negligible negligible	nà n	negigibbe negigibbe	No Interaction No Int
51 52 53 53 56 57 57 57 58 58 60 61 61 62 63 64 64 64 65 66 66 67 71 72 73	nia nia	negligible megligible negligible metal negligible negligible regligible regligible minor minor minor minor minor minor negligible	n/a	negligibie negligibie	nia nia	negligible negligible	n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No interaction No int	000 000 000 000 000 000 000 000 000 00	regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible regligible minor minor minor minor minor minor minor minor minor	r/a r/a r/a Mat r/a Mat r/a Mat r/a Mat r/a Mat r/a r/a	negigibie negigibie negigibie negigibie macro negigibie negigibie micro	nia nia nia nia nia nia nia nia nia nia	negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibbe negigibte negigibte negigibte negigibte negigibte negigibte negigibte	No Interaction No Int
51 52 53 54 56 55 55 55 55 55 55 55 60 61 61 61 62 63 64 64 64 65 66 67 71 73 73 73	nia nia	negligible regligible	n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible minor minor minor minor minor minor minor minor minor minor minor minor negligible negligible negligible negligible negligible negligible negligible negligible negligible minor	n/a n/a	negligible negligible	n/a	negligible negligible	No interaction No int	000 100 100 100 100 100 100 100 100 100	regigizie regigizie	r/a r/a r/a r/a Ma Ma r/a Ma r/a	negligible negligible negligible negligible mitologible mitologible mitologible mitologible mitologible mitologible negligible negligible negligible negligible negligible negligible	nìa nìa nìa nìa nìa nìa nà nà nà nà nà nà nà nà nà nà nà nà nà	negigibbe negigibbe	No Interaction No Int
51 52 53 54 56 57 58 58 58 59 60 61 61 61 62 63 64 64 64 65 66 66 67 72 73 74	nia nia nia nia	negligibie negligibie	n/a	negligibie negligibie negligibie regligibie negligibie	nia nia	negligible negligible	n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible negligible	No Interaction No Int	600 100 100 100 100 100 100 100	regligible regligible	r/a r/a r/a Mat Mat r/a Mat r/a Mat r/a Mat r/a Mat r/a r/a	negligibie negligibie negligibie negligibie marce negligibie minor	nìa nìa nìa nìa nìa nìa nìa nìa nìa nìa	negigibite negigibite	No Interaction No Int
51 52 53 54 56 55 55 55 55 55 55 55 60 61 61 61 62 63 64 64 64 65 66 67 71 73 73 73	nia nia nia nia	negligible regligible	n/a n/a	negligible negligible negligible negligible negligible negligible negligible negligible negligible minor minor minor minor minor minor minor minor minor minor minor minor negligible negligible negligible negligible negligible negligible negligible negligible negligible minor	nia nia	negligible negligible	n/a	negligible negligible	No Interaction No Int	600 100 100 100 100 100 100 100	regigizie regigizie	r/a r/a r/a Mat. r/a Mat. r/a Mat. r/a Mat. r/a Mat. r/a r/a	negligible negligible negligible negligible mitologible mitologible mitologible mitologible mitologible mitologible negligible negligible negligible negligible negligible negligible	nìa nìa nìa nìa nìa nìa nìa nìa nìa nìa	negigibbe negigibbe	No Interaction No Int

	Imp	Nact 1:	Imp:	act 2:	Imp	pact 3:	Imp	ict 4: Safatu		Imp Driver Delay (Vie	lact 5:	imp Driver dala	act 6:	Imp: Driver Delay //	act 7:	
Link ID	Mitigation	Residual Impact	Mitigation	Residual Impact	Mitigation Measures	Residual Impact	Mitigation	Residual Impact	Potential Interaction between Impacts 1,2,3 with Impact 4	Mitigation	Residual Impact	Mitigation	Residual Impact	Mitigation	Residual Impact	Potential Interaction between Impacts 5, 6 and 7
	Proposed		Proposed	a contraction in	Proposed	a call a list a	Proposed	a a all a lla la	Mar Indonesial en	Proposed	a set ath to	Proposed	a sector bits	- 14	a set all she	
77	n/a	negligible	n/a n/a	negligible negligible	n/a	negligible	n/a n/a	negligible	No interaction	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction
79	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	M8.	minor	n/a	negligible	No interaction
80	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
81 82	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a	negligible minor	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction
83	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
84	M1. and M2.	minor	M1. and M2	minor	n/a	minor	n/a	negligible	No interaction	M6.	minor	n/a	negligible	n/a	negligible	No interaction
85 86	n/a n/a	negligible	n/a	negligible	n/a	negligible	n/a n/a		No interaction	n/a n/a	negligible	M9.	minor	n/a n/a	negligible	No interaction
87	n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	M3.	minor	No interaction	n/a	negligible	n/a	minor negligible	n/a	negligible negligible	No interaction
88	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
89	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible		n/a	negligible	M9.	minor	n/a	negligible	No interaction
90	n/a	minor	n/a	minor	n/a	negligible	n/a	minor	Link (b) is forecast to experience an increase in total traffic of uplo 67% and HGV traffic of 49%. The magnitude of effect for severance is assessed as medium, amenity as to war depetarian delay as negligible. The link is assessed as low sensitily, resulting in minor adverse impacts. A collision claster site (20) is located at the junction of link 90 with the Ar7, howerer, nor of the recorded collisions involve pedestrians, cyclists or equestrians. No interaction between impacts is therefore forecast	M6.	minor	n/a	negligible	n/a	negligible	No interaction
93	n/a	minor	n/a	minor	n/a	negligible	n/a	minor	Link 33 is forecast to experience an increase in total traffic of upto 45% and HGV traffic of 117%. The magnitude of effect for severance is assessed as low, amenity as medium and podestain delay as negligibles. The link assessed as low semity, resulting in mitor adverse impact. A collision cluster site (C21) is located at the junction of link 33, however, more of the recorded collisions involve podestimum, optical or equestions. No interaction between impacts is therefore forecast.	M6.	minor	n/a	negligible	n/a	negligible	No interaction
94	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
95 96	n/a n/a	negligible	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	minor negligible	No interaction No interaction	n/a n/a	negligible negligible	n/a n/a	negligible negligible	n/a n/a	negligible negligible	No interaction No interaction
97	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a n/a		No interaction
98	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
99 100	n/a	negligible	n/a	negligible	n/a	negligible	n/a n/a	negligible	No interaction	M4. n/a	minor	n/a	negligible	n/a	negligible	No interaction
100	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a	negligible negligible	No interaction	n/a	negligible minor	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction
102	M1. and M2.	minor	M2.	minor	n/a	minor	n/a	negligible	No interaction	M6.	minor	n/a	negligible	n/a	negligible	No interaction
103	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	M5.	minor	n/a	negligible	n/a	negligible	No interaction
104	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a n/a	negligible	n/a n/a	minor negligible	n/a n/a	negligible	No interaction
105	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
107	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
108	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a n/a	negligible negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction
110	n/a	negligible	n/a	negligible negligible	n/a	negligible	n/a	negligible	No interaction	M4.	minor	n/a	negligible	n/a	negligible	No interaction
111	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
112	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible negligible	No interaction	n/a n/a	negligible	n/a n/a	minor negligible	n/a n/a	negligible	No interaction No interaction
113	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a		No interaction
115	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
116	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible negligible	No interaction	M6.	minor minor	n/a n/a	negligible	n/a n/a	negligible	No interaction
117	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible		M5.	minor	n/a	negligible	n/a	negligible	No interaction
119	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	M5.	minor	n/a	negligible	n/a	negligible	No interaction
121	n/a	negligible	n/a	negligible	n/a	negligible	n/a		No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
122	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	minor negligible	No interaction No interaction	n/a n/a	negligible	n/a n/a	negligible minor	n/a n/a	negligible negligible	No interaction
123	n/a	negligible	n/a	negligible negligible	n/a	negligible	n/a	negligible		n/a	negligible	n/a	minor	n/a n/a	negligible	No interaction
125	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
126	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	
127	n/a n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible	n/a n/a	negligible	No interaction	n/a	negligible negligible	n/a n/a	negligible negligible	n/a n/a	negligible negligible	No interaction No interaction
129	n/a	negligible	n/a	negligible	n/a	negligible	n/a	minor	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
131 132	n/a n/a	negligible	n/a	negligible minor	n/a n/a	negligible minor	n/a n/a	negligible	No interaction	M4. M4	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction
132	n/a n/a	minor negligible	M2. n/a	negligible	n/a	negligible	n/a n/a	negligible negligible		M4. M5.	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction
136	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	negligible	n/a	negligible	n/a	negligible	No interaction
137	n/a	negligible	n/a	minor	n/a	negligible	n/a	negligible	No interaction	M4. M7	minor	n/a	negligible	n/a	negligible	No interaction
138 139	M1. and M2. n/a	minor	n/a n/a	minor negligible	n/a n/a	minor negligible	n/a n/a	negligible negligible	No interaction	M7.	minor	n/a n/a	negligible negligible	n/a n/a	negligible	No interaction
141	n/a	minor	n/a	minor	n/a	minor	n/a	negligible	No interaction	n/a	negligible	n/a	minor	n/a	negligible	No interaction
143	n/a	negligible	n/a	minor	n/a	negligible	n/a	negligible	No interaction	M4. M7	minor	n/a	negligible	n/a	negligible	No interaction
144	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction No interaction	M7. n/a	minor negligible	n/a n/a	negligible	n/a n/a	negligible	No interaction
146	n/a	minor	M1. and M2	minor	n/a	minor	n/a	negligible	No interaction	M6.	minor	n/a	negligible	n/a	negligible	No interaction
148	n/a M1 and M2	minor	n/a M1	minor	n/a n/a	negligible	n/a n/a	negligible	No interaction	M6.	minor	n/a n/a	negligible	n/a n/a	minor	A minor adverse residual impact is identified along init 148 associated with an increase in delay due to full needing to pass additural SEP and OEE construction their along a morror and. Minor adverse impacts are also identified due to temporary diversion of fattific during a morror and. Minor adverse tacos the most During for end dosaure, delay experimental varianting the link would transfer to develop delays. To interaction between impacts in therefore forecast.
145	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible negligible		n/a	negligible	n/a	negligible negligible	n/a n/a	negligible	No interaction
152	n/a	negligible	n/a	minor	n/a	negligible	n/a	negligible	No interaction	M6.	negligible	n/a	negligible	n/a	negligible	No interaction
153	n/a	negligible	n/a	negligible	n/a	negligible	n/a	negligible	No interaction	n/a	minor	n/a	negligible	n/a	negligible	No interaction

Key

	Links requiring miligation
M1.	Peak HGV demand not to exceed forecast average daily HGV demand
M2.	Peak hour LV demand not to exceed the forecast average peak hour demand
M3.	Mitigation measures to include provision of enhanced warning signs
	Miligation to include, widening of existing passing places, provision of new passing places provided; or use of an escortipilot vehicle
M5.	Miligation to include, provision of new passing places provided; or use of an escort/pilot vehicle
M6.	Miligation to include, widening of existing passing places to be widened; or use of an escort/pilot vehicle. Peak LV trips reduced
M7.	Miligation to include, reduction in peak LV trips
M8.	Mitigation to include daily HGV movements being capped at agreed levels
	Miligation measures to be provided by National Highways
M10.	Miligation to include, advanced signing, staggering of closures, undertaking works during school holidays, liaison with bus operators; or use of trenchless technology
Potential fo	r Impacts 1,2 and 3 to collectively interrelate with Impact 4
	No interaction as all impacts (1,2,3 & 4) negligible
	No interaction with impacts (1,2 & 3) as impact 4 negligible
	No interaction as impact 1, 2 and 3 are all negligible
Potential fo	r Impacts 5,6 and 7 to interrelate
	No interaction as all impacts (5, 6 & 7) negligible
	No interaction as two of the three impacts (5, 6 or 7) are negligible