

Table of Contents

Part A: Introduction and Background to the Project	1
1.0 Introduction	1
1.1 The Requiring Authority / Applicant	1
1.2 The East West Link Project	1
1.3 Key Project components	1
1.4 The Transport Agency's environmental objectives	3
1.5 The NoRs and resource consents	4
1.6 Purpose and scope of this report	5
1.7 Structure of this report	6
2.0 Background	8
2.1 Introduction	8
2.2 Historic context of the Project	8
2.3 Future growth and economic development in Auckland	10
2.4 The economic context of the EWL area	10
2.5 Transport and accessibility demands to support economic growth	13
2.6 Conclusion	17
3.0 Project Development	19
3.1 The strategic context	19
3.2 Determining the need for transport investment	20
3.3 The Project objectives for East West Link	22
3.4 The outcomes to be delivered by the Project	22
Part B: Statutory Context	26
4.0 The Resource Management Act 1991	27
4.1 Purpose and principles of the RMA	27
4.2 Duties and restrictions	28
4.3 Proposals of national significance	29
4.4 Designations	29
4.5 Resource consents	30
4.6 Status of the policy and planning documents	32
5.0 Designations and Consents	33
5.1 Notices of requirement	33
5.2 Applications for resource consent	34
5.3 Additional Considerations under other Legislation	42
Part C: Description of the Project	43
6.0 Description of the Project	44

6.1	Introduction	44
6.2	Overview of key features	44
6.3	Transport environment	45
6.4	Design approach	48
6.5	Other works	54
6.6	Physical description – Project sectors	59
6.7	Integration with other transport projects	72
6.8	Future Ownership, Operations and Maintenance	78
7.0	Construction of the Project	81
7.1	Introduction	81
7.2	Development of construction methodology	82
7.3	Detailed design and construction procurement	82
7.4	Anticipated construction programme	83
7.5	General construction aspects	84
7.6	Neilson Street Interchange (Sector 1)	93
7.7	Foreshore (Sector 2) including local roads connections (Sector 6)	94
7.8	Anns Creek viaducts and Great South Road Intersection (Sector 3)	101
7.9	Sylvia Park Road and SH1 ramps (Sector 4)	104
7.10	SH1 Auxiliary Lanes and Ōtāhuhu Creek Bridge (Sector 5)	106
7.11	Panama Road Bridge (Sector 5)	107
7.12	Princes Street Interchange (Sector 5)	108
7.13	Construction management plans	109
Part D:	Consideration of Alternatives	110
8.0	Consideration of Alternatives	111
8.1	Problem identification	113
8.2	Purpose of this chapter	114
8.3	Alternative corridor options	115
8.4	Development of the preferred alignment	129
Part E:	Engagement	155
9.0	Engagement	156
9.1	Introduction	156
9.2	Relevant legislation and policies	156
9.3	Engagement strategy	156
9.4	Previous engagement on the Project	160
9.5	Pre-lodgement engagement (2016)	165
9.6	Project partners and key stakeholders	167
9.7	Engagement with Project partners	168
9.8	Engagement with key stakeholders	169
9.9	Summary of issues and engagement outcomes from pre-lodgement engagement	171
9.10	Ongoing and future consultation	177

Part F: Description of the Environment	178
10.0 History of the Area	179
10.1 Introduction	179
10.2 Māori occupation	179
10.3 19 th century	181
10.4 20 th century	181
11.0 Description of the Existing Environment	185
11.1 Introduction	185
11.2 Regional context	185
11.3 Natural environment	185
11.4 Built environment	196
11.5 Social and economic context	206
Part G: Assessment of Effects on the Environment	209
12.1 Introduction and summary of effects on the environment	210
12.2 Traffic and transport	218
12.3 Economic effects	236
12.4 Assessment of property, land use and business disruption effects	239
12.5 Network utilities	248
12.6 Effects on values of importance to Mana Whenua	258
12.7 Archaeology and built heritage	269
12.8 Assessment of geological heritage effects	277
12.9 Arboricultural effects	282
12.10 Landscape and visual	284
12.11 Noise and vibration	305
12.12 Air quality	321
12.13 Construction traffic	330
12.14 Social effects	340
12.15 Erosion and sediment control	353
12.16 Groundwater	358
12.17 Ground settlement	364
12.18 Contaminated land	369
12.19 Coastal processes	375
12.20 Ecology	383
12.21 Stormwater	408
Part H: Management of Effects on the Environment	415
13.0 Avoiding, Remediating and Mitigating Effects	416
13.1 The Project delivery framework	416
13.2 Summary of measures to manage adverse effects	429
Part I: Statutory Matters	438

14.0 Statutory Framework	439
14.1 The Transport Agency	439
14.2 Introduction to the statutory framework	441
14.3 National policy statements	442
14.4 National Environmental Standards	443
14.5 Regional Policy Statements	443
14.6 Relevant Plans and Proposed Plans	443
14.7 Other relevant matters	444
15.0 Statutory Analysis	445
15.1 Summary	445
15.2 Methodology for Analysis of Relevant Statutory Planning Documents	445
15.3 National Policy Statements	446
15.4 Auckland Unitary Plan (Operative in Part)	454
15.5 Section 104D assessment	474
15.6 National Environmental Standards	475
15.7 Additional statutory consideration relevant to designations	476
15.8 Other Matters	478
15.9 Section 105	486
15.10 Section 105(1) – Discharges	487
15.11 Section 107	489
15.12 Section 89	490
15.13 Part 2 Assessment	490