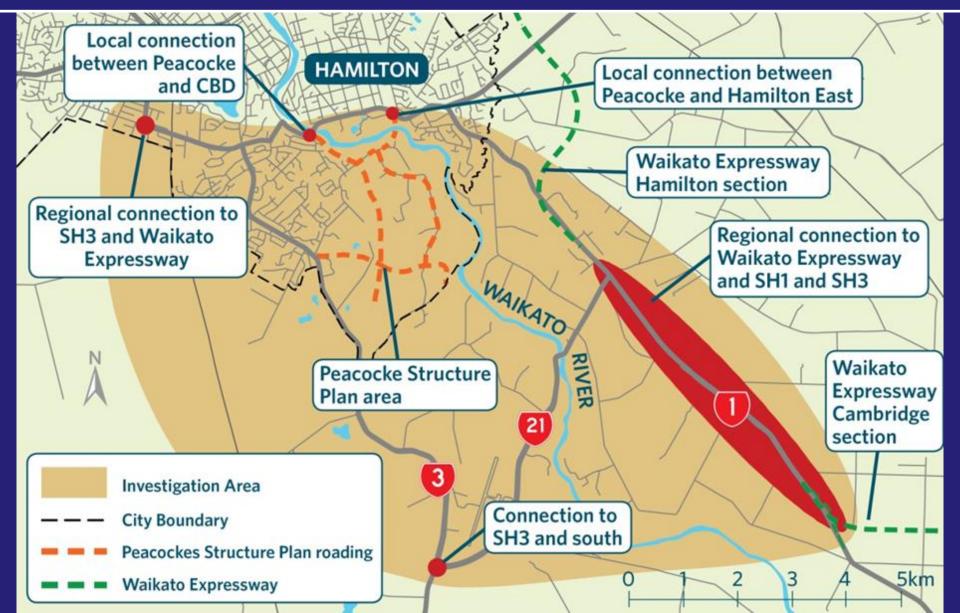
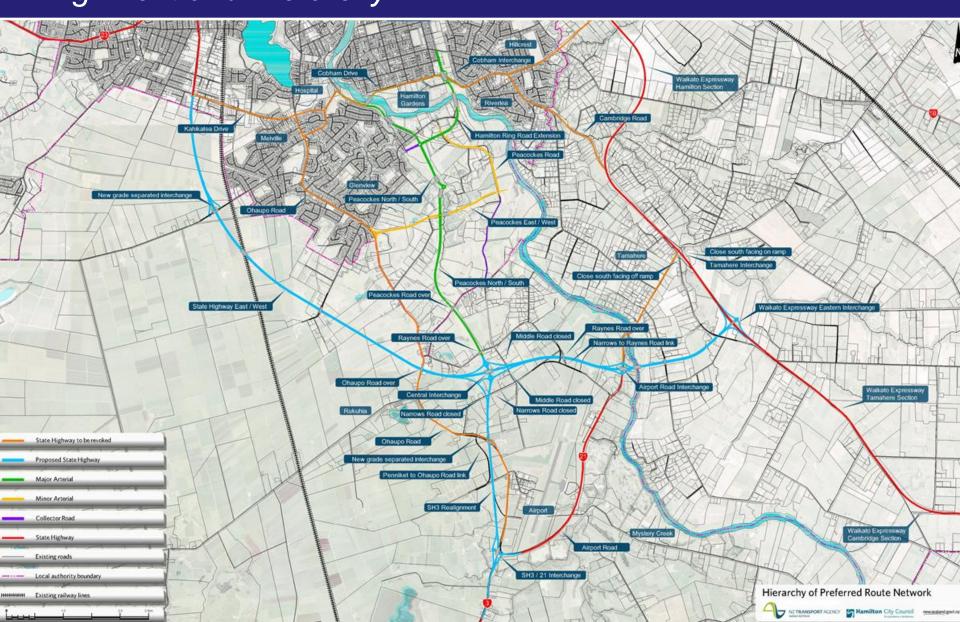
Hamilton Southern Links Introduction

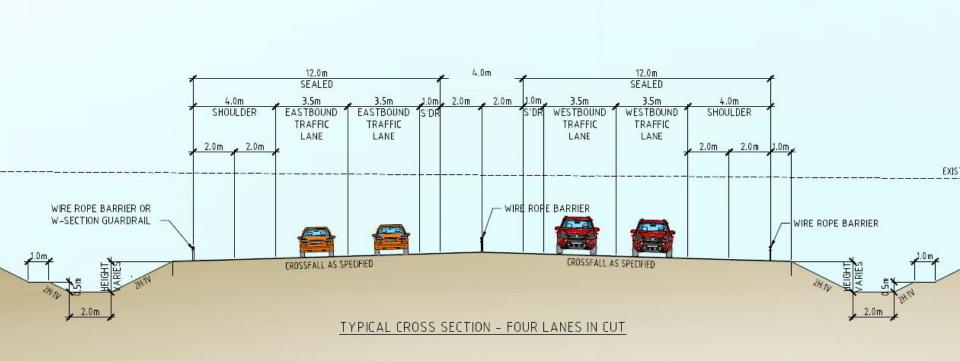


Hamilton Southern Links Alignment and Hierarchy



Safe System – Safer Roads and Roadsides

State Highway cross section



AECOM

OPUS

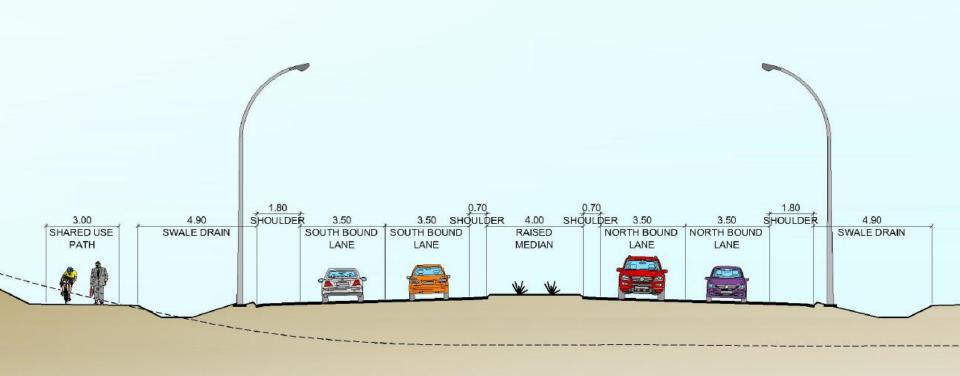
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Hamilton Southern Links Safe System – Safer Roads and Roadsides

Local Major arterial cross section





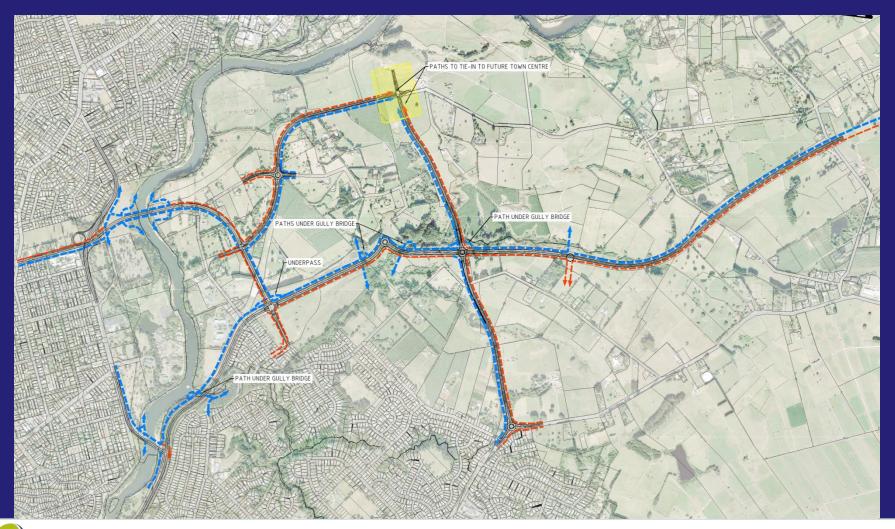


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Hamilton Southern Links Safe System – Walking and Cycling











Hamilton Southern Links Safe System – Freight

 Grade separated interchanges on East-West State Highway with free flow ramp from the south











Hamilton Southern Links Safe System – Connectivity

• Grade separated interchange at the Airport









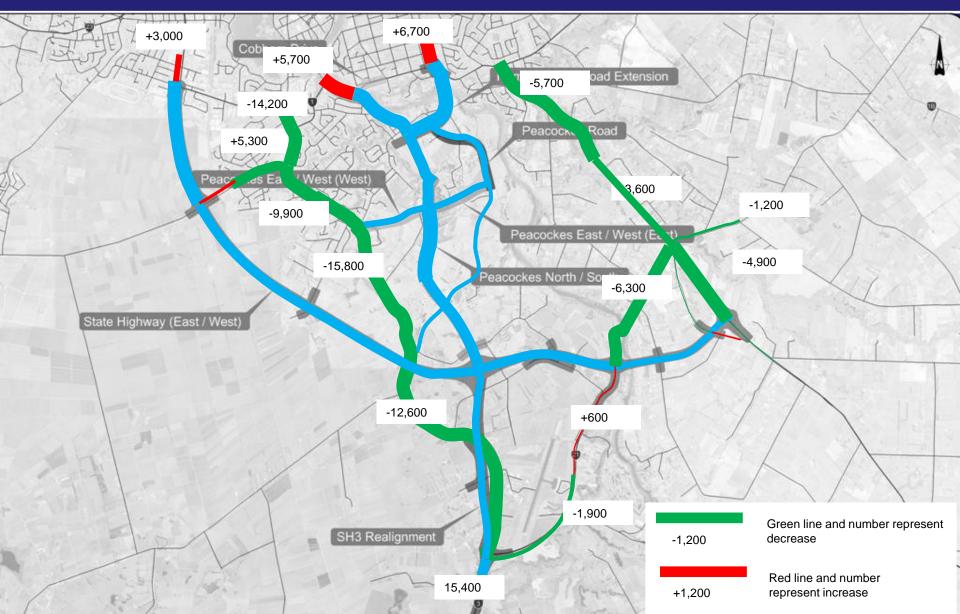




- Embedded into the option assessment
- Objectives #5 and #8 were safety related

Table xx: Evalu	ation Matrix for Scheme	Options	Name:	EAST	EAST	EAST	EAST
NZTA 2/09-019/501 - Southern Links I&R			NORTH	CENTRE N	CENTRE S	SOUTH	
NZTA 2/09-019/5	01 - Southern Links I&R		Rank:		1	1	4
Cabaaraa	Calturale	Malaka	Score: Notes	-2.4	-14	-14	-2.6
Category Economics	Criteria	Weight 20%	Weighted Sum:	0.6	0.4	0	-0.2
Economics	Project Cost	20/6	Structures, geotech, constructability, cut fill		Slight	Slight	Negative
	riojectost		balance, property, drainage	Change	negative	negative	effect
	Road user benefits		TT, VOC, Crashes. Objective #1&8				
				Slight positive	Slight positive		
	Economic Development		Refer to objective #s 2, 3 & 4 including land				
			use planning			Neutral / No	Neutral / N
			Objective #1	Slight positive	Slight positive	Change	Change
	Staging		Objective #6	611 - L		Slight	Slight
		_		Slight positive	Slight positive	negative	negative
Environmental		20%	Weighted Sum:	-1.6	-1.6	-18	-2.4
bjective #1	Noise	20%	weighted sum:	Negative	Slight	Slight	Slight
Sojecure #1				effect	negative	negative	negative
Objective #10	Vibration		Rail	Neutral / No	Neutral / No	Neutral / No	Neutral / N
				Change	Change	Change	Change
	Air Quality		CO2 emissions, location specific and project		Slight	Slight	Slight
			wide		negative	negative	negative
	Ecology		Biodiversity, aquatic, terrestrial, incriver		Negative		
				effect	effect	effect	
	Stormwater management		Water quality, quantity control,	Neutral / No	Slight	Slight	Negative
	Universide states	_	Urban boundary, connectivity. Objective #s	Change	negative	negative	
	Urban design		1& 9. Peacockes.	Negative effect	Slight	Slight negative	Negative effect
	Landscape visual		Visual amenity	Neutral / No	Slight	Slight	Negative
			,	Change	negative	negative	effect
	High quality soils		Productivity, size of farms, District plan,	Neutral / No	Slight	Negative	Negative
			farm viability	Change	negative	effect	effect
Transport	Walking & Cycling	20%	Weighted Sum: Objective #s 1 & 7	0.6	1.2	1.6	2
	waiking a cycing		Objective #s 1 a 7	Slight positive	Slight positive	Slight poritive	Slight poriti
	Cars - local vs long distance		Qualitative assessment	Neutral / No	Singht positive	Singht positive	Singht positi
				Change	Slight positive	Slight positive	
	Freight movements		Qualitative assessment, rail links to the	Neutral / No			
			airport	Change	Slight positive	Positive effect	Positive effe
	Public Transport		Objective #7				
				Slight positive	Slight positive	Slight positive	Slight positi
	Route Security		Objective #11, bridges not all in one place	611 - h			
	Waikato Expressway		etc Objective #5, compliments Expressway	Neutral / No	Slight positive	Positive effect	Positive em
			objective no, whippinterios expressions,	Change	Slight positive	Slight positive	
Social		20%	Weighted Sum:	-1.2	-0.6	-0.6	-12
Objective #10	Community		Relief of congestion, include recreational		Slight	Slight	
					negative	negative	
	Lifestyle		Severance and connectivity	Negative	Slight	Slight	Negative
			Asthetics, liveability	effect Negative	negative Slight	negative Slight	effect Negative
	Amonita		Astrictics, inveability			negative	effect
	Amenity			effect	negative		
	Amenity			effect	negative	neguore	
ultural	Amenity	20%	Weighted Sum:		-0.8	-0.6	-0.8
ultural	Amenity Archaeology & Heritage	20%	Weighted Sum: Redoubt	-0.8 Negative	-0.8 Negative	-0.6 Negative	Negative
ultural	Archaeology & Heritage	20%	Redoubt	-0.8 Negative effect	-0.8 Negative effect	-0.6 Negative effect	Negative effect
ultural		20%		-0.8 Negative effect Negative	-0.8 Negative effect Negative	-0.6 Negative effect Slight	Negative effect Negative
ultural	Archaeology & Heritage	20%	Redoubt	-0.8 Negative effect	-0.8 Negative effect	-0.6 Negative effect	Negative effect

Safety opportunities



Thank you









