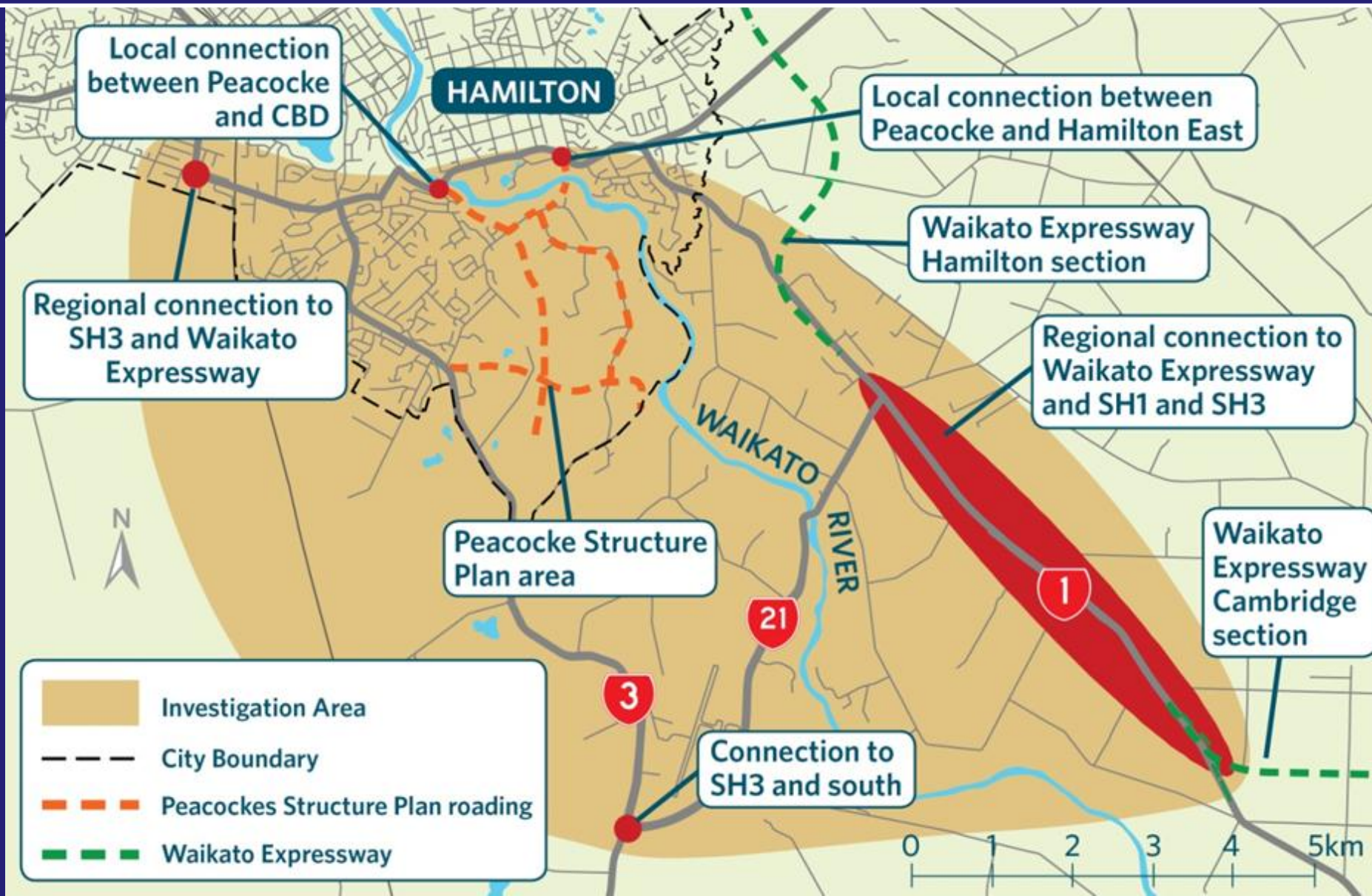


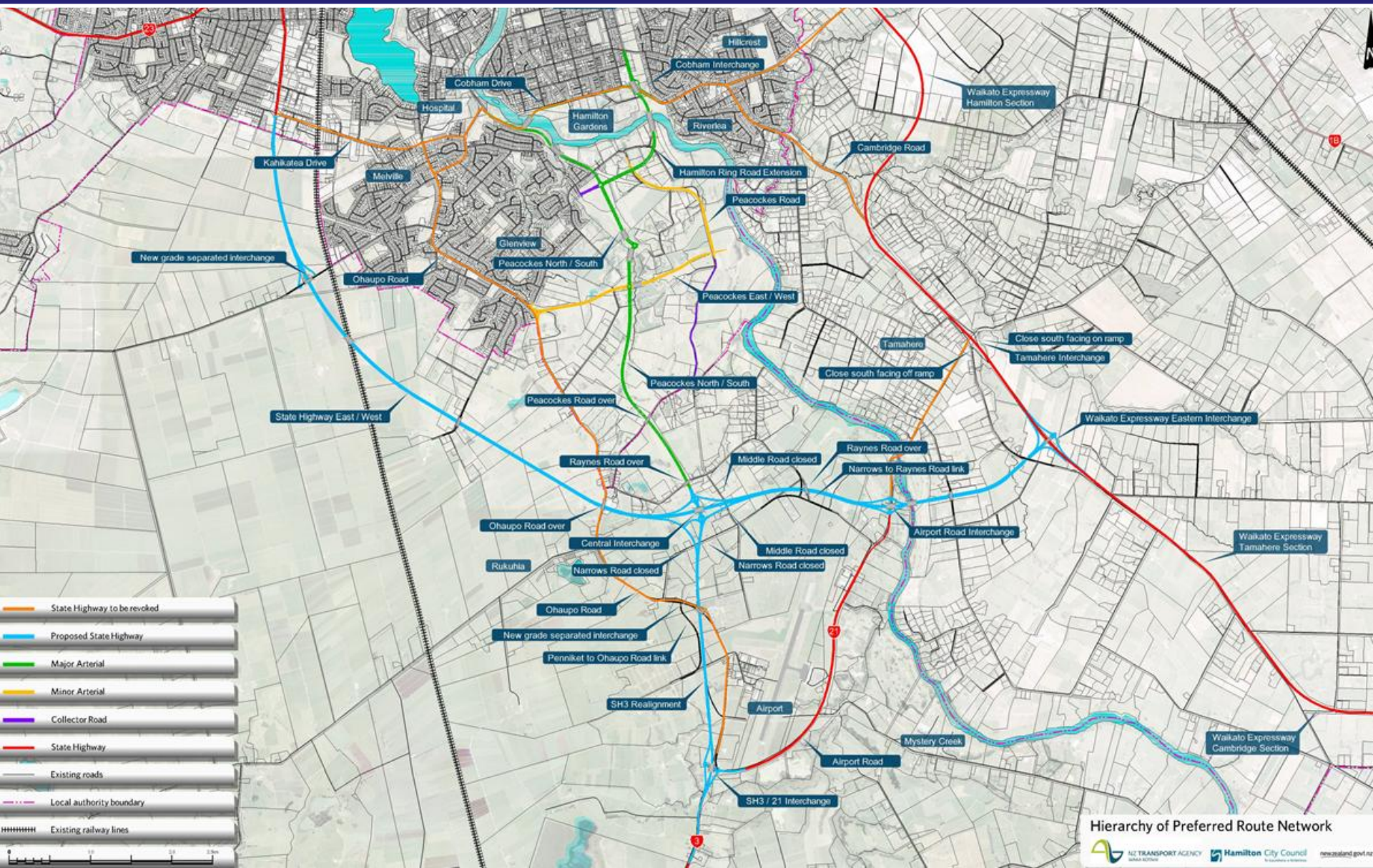
# Hamilton Southern Links

## Introduction



# Hamilton Southern Links

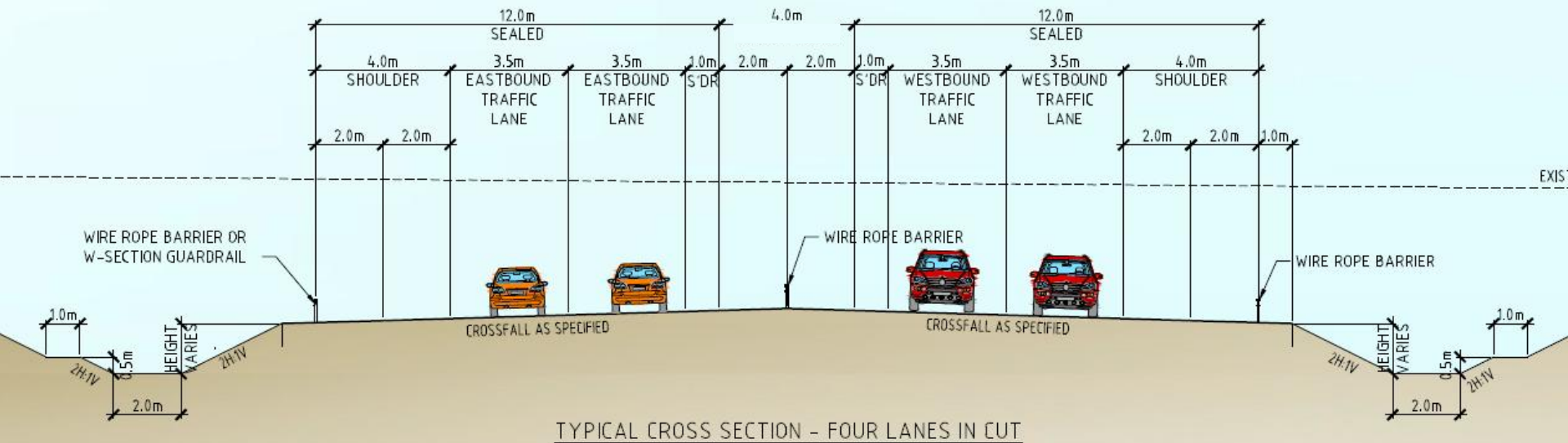
## Alignment and Hierarchy



# Hamilton Southern Links

## Safe System – Safer Roads and Roadsides

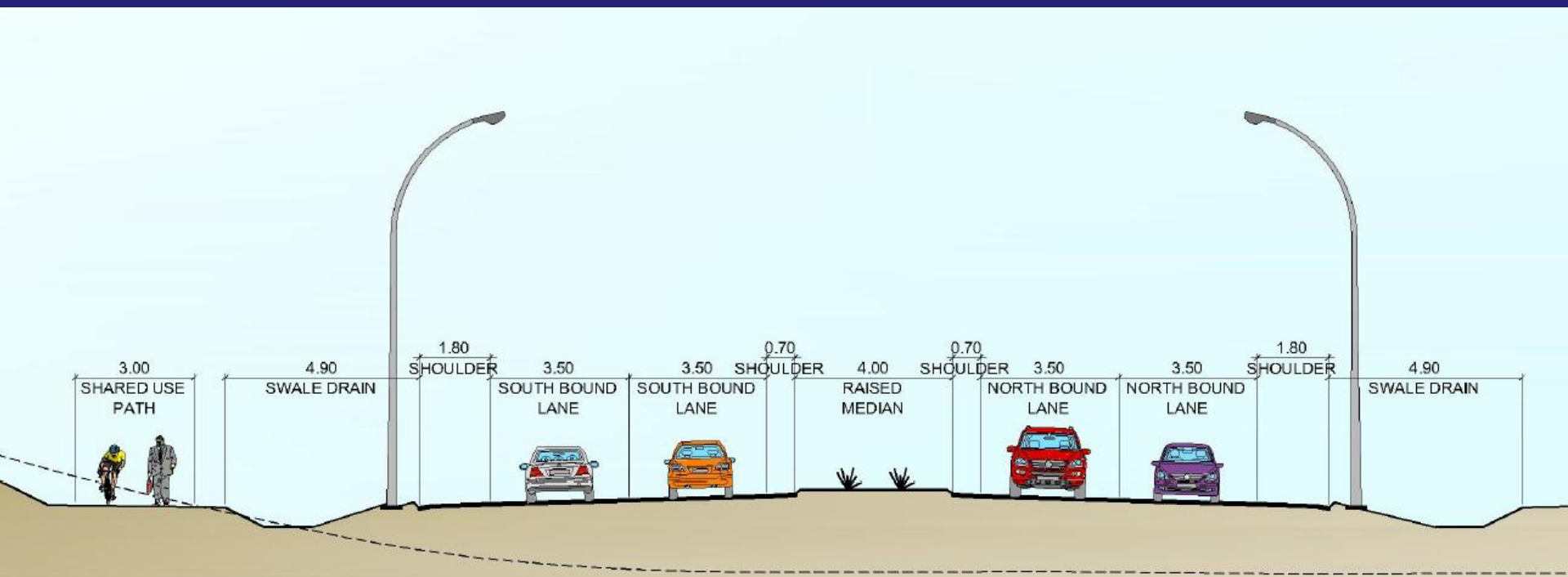
- State Highway cross section



# Hamilton Southern Links

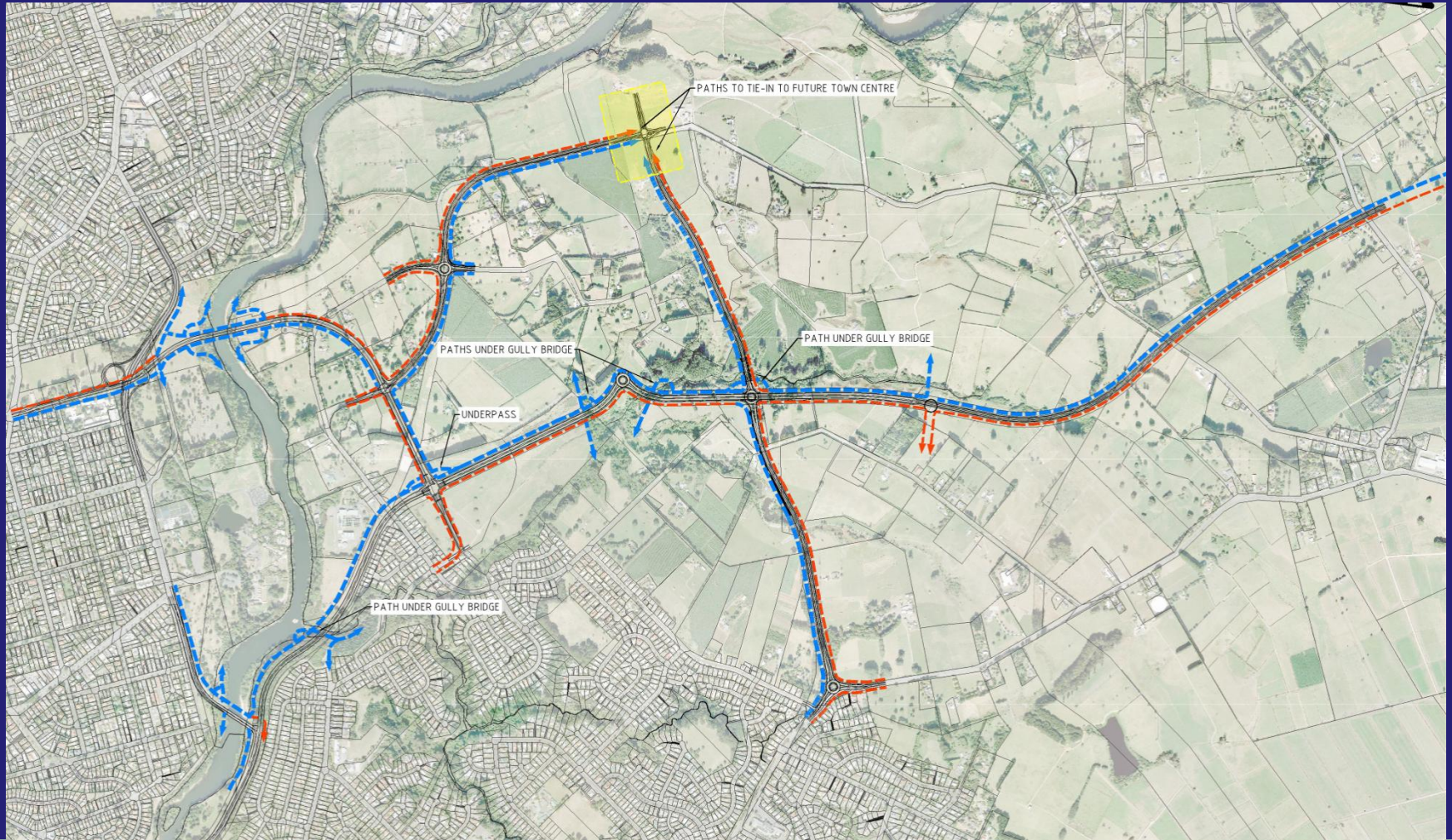
## *Safe System – Safer Roads and Roadsides*

- Local Major arterial cross section



# 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



# Hamilton Southern Links

## MCA

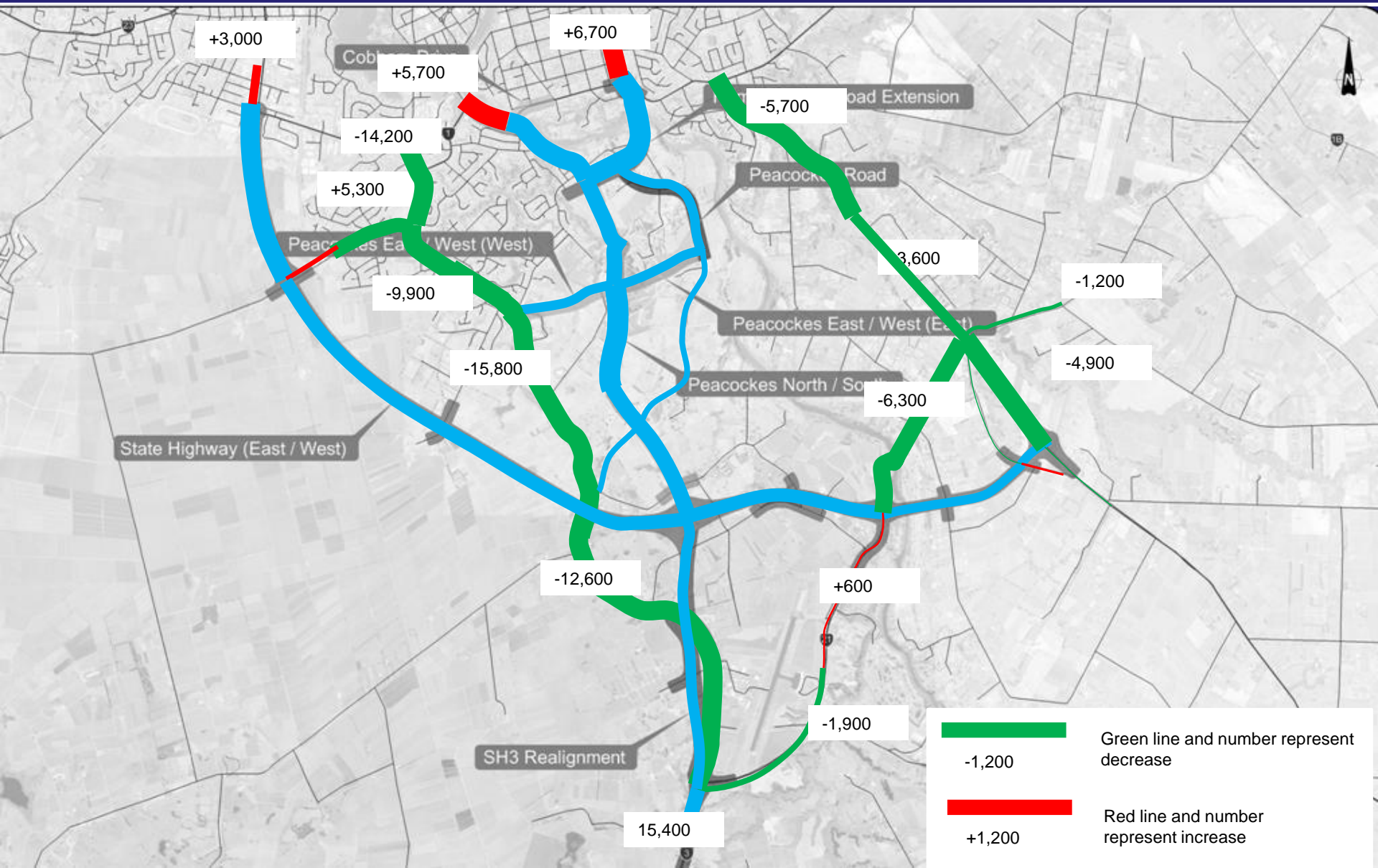
- Embedded into the option assessment
- Objectives #5 and #8 were safety related

Table xx: Evaluation Matrix for Scheme Options				Name:	EAST NORTH	EAST CENTRE N	EAST CENTRE S	EAST SOUTH
NZTA 2/09-019/501 - Southern Links I&R				Rank:	3	1	1	4
				Score:	-2.4	-1.4	-1.4	-2.6
Category	Criteria	Weight	Notes					
Economics		20%		Weighted Sum:	0.6	0.4	0	-0.2
	Project Cost		Structures, geotech, constructability, cut fill balance, property, drainage	Neutral / No Change	Slight negative	Slight negative	Negative effect	
	Road user benefits		TT, VOC, Crashes. Objective #1 & 8	Slight positive	Slight positive	Positive effect	Positive effect	
	Economic Development		Refer to objective #s 2, 3 & 4 including land use planning	Slight positive	Slight positive	Neutral / No Change	Neutral / No Change	
	Staging		Objective #6	Slight positive	Slight positive	Slight negative	Slight negative	
		20%		Weighted Sum:	-1.6	-1.6	-1.8	-2.4
Environmental	Objective #1		Noise	Negative effect	Slight negative	Slight negative	Slight negative	
	Objective #10		Vibration	Rail	Neutral / No Change	Neutral / No Change	Neutral / No Change	Neutral / No Change
			Air Quality	CO2 emissions, location specific and project wide	Negative effect	Slight negative	Slight negative	Slight negative
			Ecology	Biodiversity, aquatic, terrestrial, inc river	Negative effect	Negative effect	Negative effect	Negative effect
			Stormwater management	Water quality, quantity control,	Neutral / No Change	Slight negative	Slight negative	Negative effect
			Urban design	Urban boundary, connectivity. Objective #s 1 & 9, Peacocks.	Negative effect	Slight negative	Slight negative	Negative effect
			Landscape visual	Visual amenity	Neutral / No Change	Slight negative	Slight negative	Negative effect
			High quality soils	Productivity, size of farms, District plan, farm viability	Neutral / No Change	Slight negative	Negative effect	Negative effect
		20%		Weighted Sum:	0.6	1.2	1.6	2
Transport			Walking & Cycling	Objective #s 1 & 7	Slight positive	Slight positive	Slight positive	Slight positive
			Cars - local vs long distance	Qualitative assessment	Neutral / No Change	Slight positive	Slight positive	Positive effect
			Freight movements	Qualitative assessment, rail links to the airport	Neutral / No Change	Slight positive	Positive effect	Positive effect
			Public Transport	Objective #7	Slight positive	Slight positive	Slight positive	Slight positive
			Route Security	Objective #11, bridges not all in one place etc	Slight positive	Slight positive	Positive effect	Positive effect
			Waikato Expressway	Objective #5, compliments Expressway	Neutral / No Change	Slight positive	Slight positive	Positive effect
		20%		Weighted Sum:	-1.2	-0.6	-0.6	-1.2
Social	Objective #10		Community	Relief of congestion, include recreational	Negative effect	Slight negative	Slight negative	Negative effect
			Lifestyle	Severance and connectivity	Negative effect	Slight negative	Slight negative	Negative effect
			Amenity	Aesthetics, liveability	Negative effect	Slight negative	Slight negative	Negative effect
		20%		Weighted Sum:	-0.8	-0.8	-0.6	-0.8
Cultural			Archaeology & Heritage	Redoubt	Negative effect	Negative effect	Negative effect	Negative effect
			Known Cultural Sites	Pa site, objective #10	Negative effect	Negative effect	Slight negative	Negative effect
		100%						



# Hamilton Southern Links

## *Safety opportunities*



# Hamilton Southern Links

Thank you