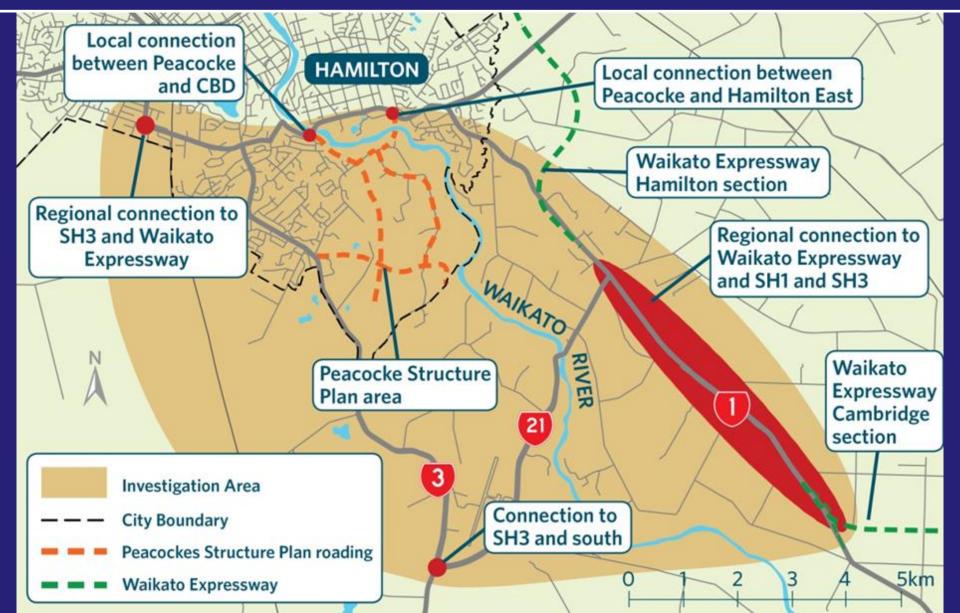
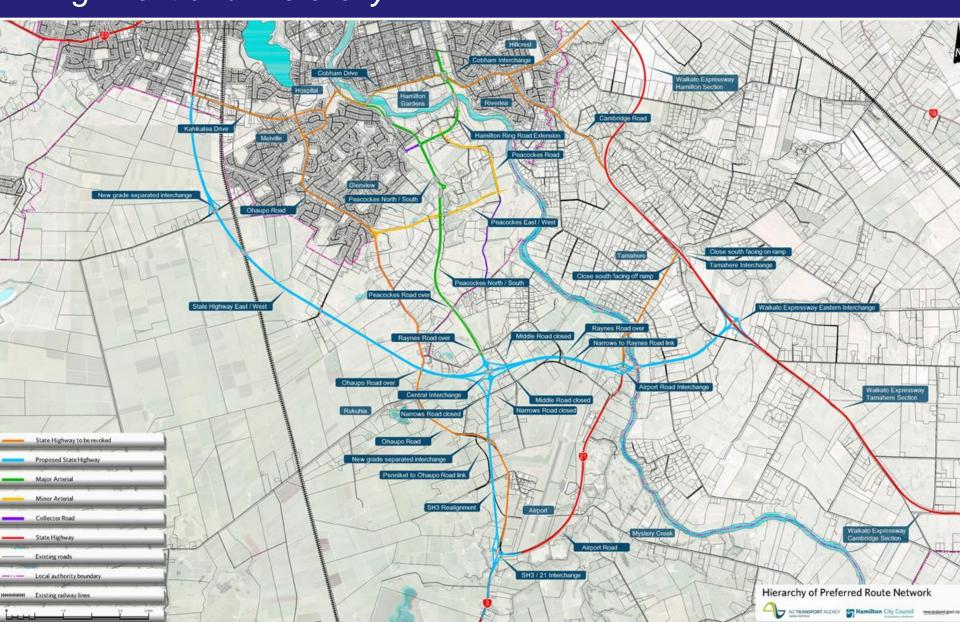
Hamilton Southern Links Introduction

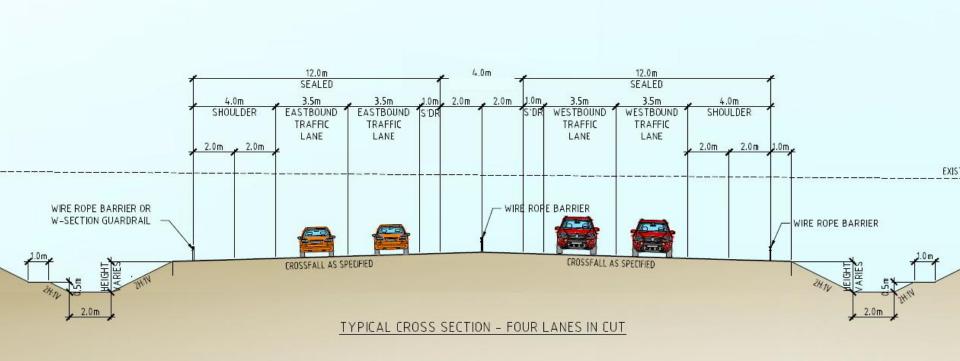


Hamilton Southern Links Alignment and Hierarchy



Safe System – Safer Roads and Roadsides

State Highway cross section



AECOM

OPUS

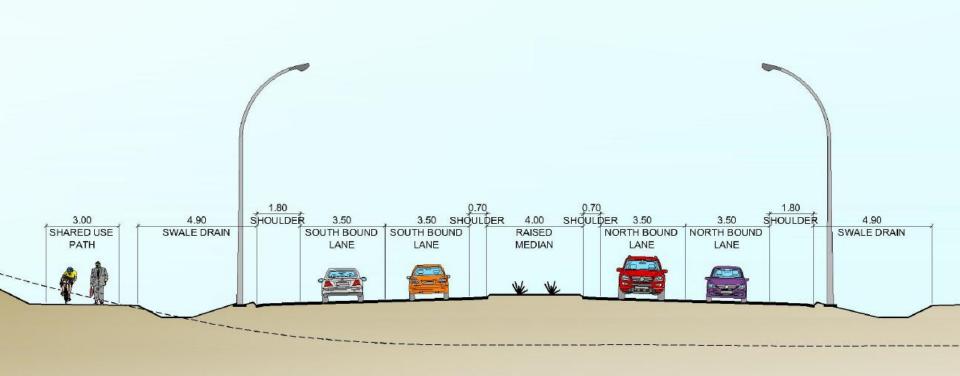
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Hamilton Southern Links Safe System – Safer Roads and Roadsides

Local Major arterial cross section





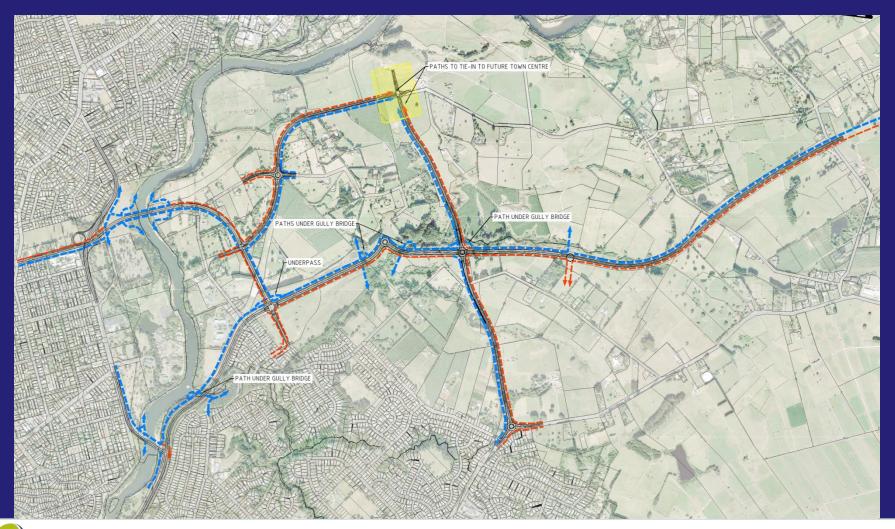


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Hamilton Southern Links Safe System – Walking and Cycling











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









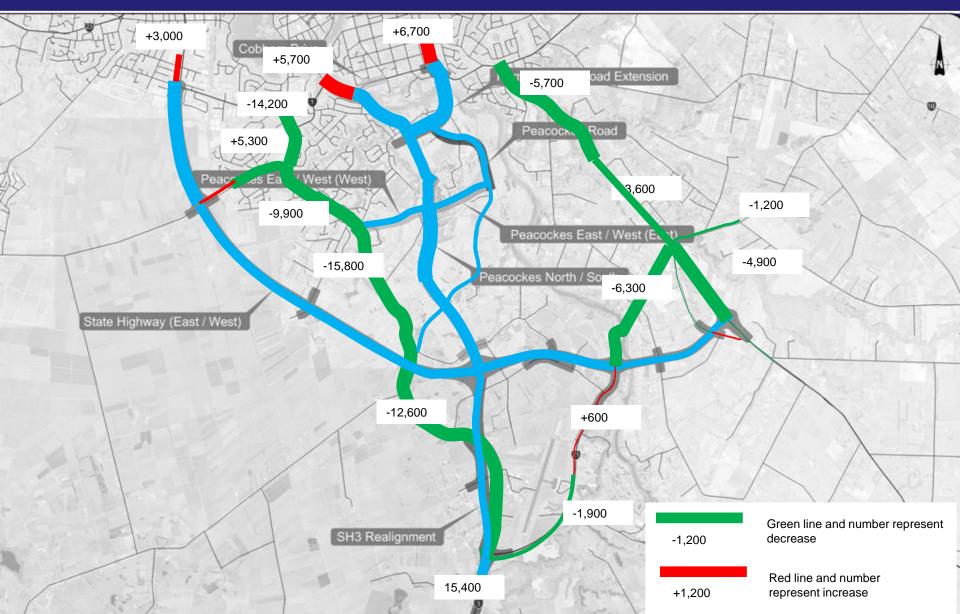




- Embedded into the option assessment
- Objectives #5 and #8 were safety related

| 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









