

**PHASE 2 - FURTHER RESEARCH WORK
SCOPE AND DELIVERABLES**

3. Infrastructure and Services

Infrastructure includes:

Reticulated infrastructure such as Gas, Electricity, Telecommunications (voice and data), Water, Wastewater, Stormwater

Transport includes:

Car, Motorcycle, Cycling, Walking, Public Transport, Trucks, Rail, Shipping, and Air

Scope

- Identify infrastructure issues for the Heretaunga Plains, with a particular focus on the 2015 to 2045 period.
- Identify service capacity issues and particularly the constraints to development in particular areas.
- Identify, assess and analyse international trends, central government and regional policies and programmes on infrastructure and services and their impact on urban developments.
- Identify areas, both residential and business, that are currently or are likely to be well served by infrastructure including transport (cars, public transport, walking and cycling, rail)
- Identify any trends in urban development since the completion of the Heretaunga Plains Transportation Study 2004 that may impact on alignment with existing and planned transport infrastructure.
- Consider how Section 7(b) of the RMA “the efficiency of the end use of energy” may impact on the location of future growth options for residential, commercial and industrial developments and their transportation requirements.
- In a general sense, scope what future transport infrastructure may be required given the proposed land use pattern identified by the Hastings and Napier Urban Development Strategies and potentially over the longer term (note that some reference should be made to the link between any proposed densities of development and transport, particularly public transport¹)
- Consider and assess the potential for shared infrastructure across existing territorial boundaries.
- Identify the issues likely to be faced by the Port of Napier, Hawke’s Bay Airport and the Bridge Pa Aerodrome over the study period and consider the roles they may have in future growth needs.

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Exclusions

- Community reserves, landfills, waste collection, fire fighting and schools.
- It is not expected that significant community or stakeholder consultation is required for this phase of the study.
- Detailed traffic modelling.
- There shall be no analysis required on the inter-connectivity of transportation between the Study Area and Central Hawke's Bay or Wairoa but any general trends relating to how these area may interact with the Study area should be identified.

Deliverables

Infrastructure and Services Report and supporting Maps / Plans

- A report and recommendations addressing the matters outlined in the scope.
- Maps and plans that identify any areas of infrastructure constraints.