

CONNECTING COMMUNITIES

Interchanges play an important role in defining how the Indicative Alignment ties into the local road network and connects communities together. Careful consideration has been given to the placement of interchanges to enable them to function well and meet current and future traffic demands. Factors taken into account include:

- Distance between an interchange and the local community (Warkworth, Wellsford, and Te Hana)
- Ensuring that the interchanges connect the Indicative Alignment with the local road network (being mindful of any modifications needed to the local network to cope with expected traffic volumes)
- How well the interchange would sit within the surrounding landscape
- Safe operation of interchanges.

MAINTAINING LOCAL ROAD CONNECTIONS

Another significant benefit of the Indicative Alignment is that it minimises disruptions to the local road network. Most local roads the Indicative Alignment crosses will be maintained using either underpasses or overpasses. To align with the Urban and Landscape Design Framework (2015), prepared for the Pūhoi to Warkworth section, the design preference for crossing local roads is to retain local roads in their existing position where possible.

LOCAL ROAD CONNECTIONS CROSSING UNDER/OVER THE INDICATIVE ALIGNMENT

CROSSING UNDER NEW ROAD	CROSSING OVER NEW ROAD
<ul style="list-style-type: none"> • Woodcocks Rd • Wayby Valley Rd • Whangaripo Valley Rd • Mangawhai Rd • SH1 at Hoteo Bridge (Wayby) • Maeneene Rd • River Road 	<ul style="list-style-type: none"> • Rustybrook Rd • Farmers Lime Rd • Saunders Road (Dome Forest) • Kaipara Flats Rd • Silver Hill Rd



Area near northern tie-in

TE HANA INDICATIVE INTERCHANGE

- An indicative interchange located at Mangawhai Road will provide access to Te Hana and Wellsford and to Mangawhai heading east
- The new highway will merge safely with the existing state highway north of Maeneene and Waimanu Roads
- Local road connections will be maintained to support local connectivity and changes to Maeneene, Waimanu, and Vipond Roads will improve safety
- The indicative interchange is a simple, conventional, all movement junction.

Indicative Wellsford Interchange



Wellsford town centre

WELLSFORD INDICATIVE INTERCHANGE

- An indicative interchange located at Wayby Valley Road will provide access to Wellsford and to Mangawhai heading north east
- All existing road connections will be maintained to support local connectivity
- The indicative interchange is a simple, conventional, all movement junction
- The location of the interchange provides operational flexibility for the proposed tunnel, by providing access to the alternate route through the Dome Valley in the event the tunnel is closed.

WARKWORTH INDICATIVE INTERCHANGE

- The indicative interchange location provides for a safe and efficient connection to and from Warkworth and eastern communities
- The indicative interchange interfaces with Ara Tūhono Pūhoi to Warkworth (under construction)
- Free flowing ramps are proposed to keep high volumes of traffic moving
- Takes account of the future growth expected to occur in Warkworth.

Indicative Warkworth Interchange



Potential tunnel



KEY

- Existing State Highways
- Indicative Alignment
- Proposed Designation Boundary
- Ara Tūhono Pūhoi to Warkworth