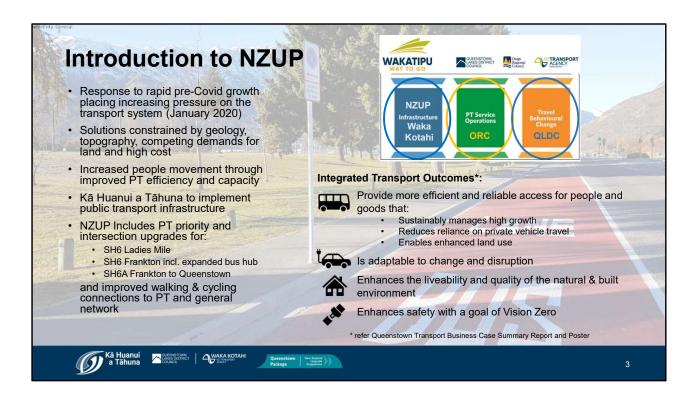


Street Upgrades: Beautification and upgrades project expanding the Town Centre and providing more pedestrian and cycle friendly connections; 2 new sets; complete 2023 QLDC Signals, custom poles, teething problems as first new site

Lakeview: Residential, hotel, commercial and hospitality precinct where Alliance building the horizontal and underground infrastructure, developer will build vertical; complete 2023 Arterials Stage 1: Grand scheme to create a "bypass" road around Queenstown to expand the town centre for peds. Currently funding for Stage 1 as shown in yellow that takes traffic off of Stanley Street; 3 new sets (2 QLDC, 1 NZTA); modify 2 existing sets; currently under construction and complete 2024

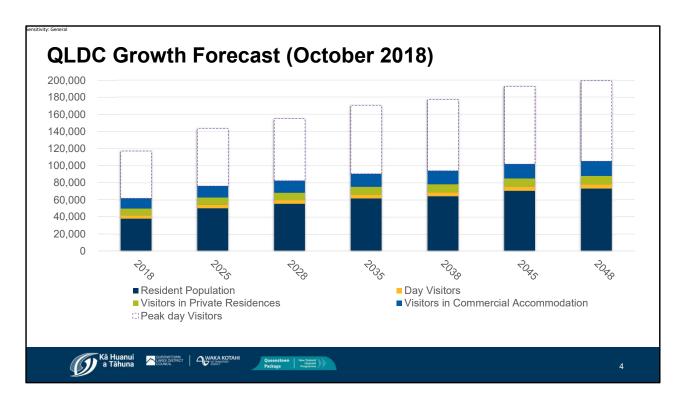
NZUP: Series of roading and intersection upgrades with the intent of prioritising infrastructure to support our public transport network to improve the level of service; 18 new sets (all NZTA); modify 1 existing signalised crossing; remove 2 existing signalised crossings; incorporates a number of raised safety platforms; currently in detailed design development; construction anticipated 2024-2027

Special resort town, people struggle with change and somehow expect traffic to stay the same. I will get run out of town!



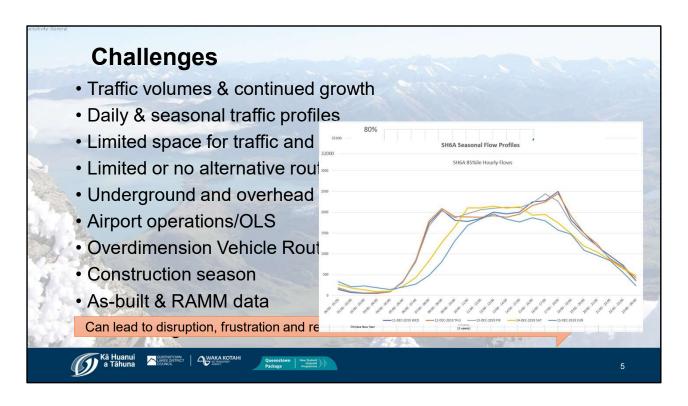
In response to 2018-2021 Queenstown Transportation Business Case
Provides for growth through increased public transport efficiency and capacity, plus support
from walking and cycling, in conjunction with spatial planning
Infrastructure is just 1 leg of the coliseum

MUST be a mode change. Morning peak observation – all single driver vehicles. People used to it being a small resort town, taking their car everywhere



2022 census puts us at 50k residents

Dashed boxes at top illustrate the variability in peak day visitors – can more than double population on any given day



High traffic volumes and continuing rapid growth

Daily and seasonal traffic changes difficult to get baseline for travel time comparisons + network close to capacity so falls over very easily

Modelling is just about full time job – Tracs, Paramics, Aimsum, Sidra, Vissim + bespoke QT PT model

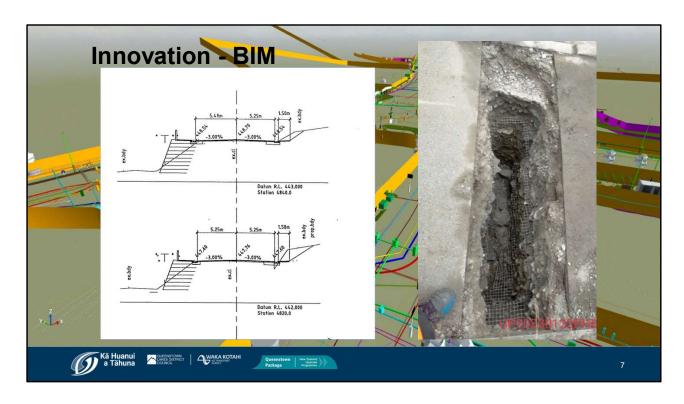
OLS = obstacle limitation Surface "The OLS defines the airspace to be protected for aircraft operating during the initial and final stages of flight, or when maneuvering in the vicinity of the airport."

Sealing season October-March

Resourcing – staff turnover; housing crisis; time for collaboration



BP is the network pinch point. By signalising we can control the traffic heading into town Marina/Sugar Lane is the only 4 leg intersection on Frankton Road and therefore a constraint on the network; creating new intersection at other end of marina to remove the RT at the existing intersection so now all intersections have roughly equal capacity There MUST be a mode change



Multi-disciplinary team. BIM on horizontal project (unique for transport project)

- Clashes with design of underground utilities and above ground reduce time and cost during construction
- Property boundaries
- QAC OLS
- Over-dimension load envelopes

Setting up 3D Design & BIM models with as-built/RAMM data attributes



5 sets of lights when I first moved to town; potentially 34 by end of 2027



BP intersection most expensive intersection NZTA has ever built for its size (land acquisition process; construction costs and staging)
CONESTOWN



