

## LOCAL BOARD TRANSPORT CAPITAL FUND

### PROJECTS THAT COULD BE CONSIDERED BY LOCAL BOARDS

Notes:

1/ The rates/prices noted below include detailed design, consultation, resource consent applications (where applicable), physical works, traffic management, and AT Staff time for overall project management and contract supervision/observation.

2/ The rates/prices noted below DO NOT include (where applicable) relocation of underground services, and excavation in solid rock. Other exceptions are noted in the various projects. If these items are required the project costs will increase accordingly.

Project	Scope	Base Cost	Cost on Local Roads – 15% added for Traffic Management	Cost on Arterial Roads - 25% added for Traffic Management	Other Factors – not included in the quoted rates
New Concrete Footpaths	AT standard is 1.8m wide, and 100mm thick. Includes kerb ramps and tactile ground surface indicators at intersections.	\$75/sq.m	\$155 per lineal meter	\$170 per lineal meter	Costs will be higher if topography requires any retaining structures or berm reshaping with topsoil.
New Concrete Vehicle Crossings – Residential	AT Standard is 150mm thick. Average crossing is approximately 20 sq.m. (may be required when building new footpaths).	\$107/sq.m	\$2,500 per crossing	\$2,700 per crossing	
New Concrete Vehicle Crossings – Commercial	AT Standard is 200mm thick. Average crossing is approximately 28 sq.m. (may be required when building new footpaths).	\$140/sq.m	\$4,500 per crossing	\$5,000 per crossing	
New Shared Footpath/ Cycleway	AT standard is 2.5m wide, and 100mm thick. More design and consultation required compared to footpaths.	\$90/sq.m	\$260 per lineal meter	\$280 per lineal meter	Costs will be higher if topography requires any retaining structures or berm reshaping with topsoil.
Enhanced Footpaths at Local Shopping Centres	Brick bands / hotmix finish, and approximately 3m wide. More design and consultation required compared to footpaths.	\$150/sq.m	\$520 per lineal meter	\$570 per lineal meter	Underground service relocations/upgrading may be required first which could delay construction and/or increase costs.

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Enhanced Footpaths at Commercial Centres	Higher grade pavers such as basalt, approximately 3m wide. More design and consultation required compared to footpaths.	\$300/ sq.m	\$1,000 per lineal meter	\$1,150 per lineal meter	Underground service relocations/upgrading may be required first which could delay construction and/or increase costs.
New Pedestrian Refuge or Splitter Island at Intersections	Includes central and side islands, signage, roadmarking, and kerb ramps. Also includes design, consultation and traffic resolutions	\$16,000	\$18,500	\$20,000	Streetlighting improvements are not included. Not always required. Needs to be assessed on a site by site basis.
New Pedestrian Crossing	Includes central and side islands, signage including belisha disks/beacons, floodlighting, power connections and cabling, roadmarking, and kerb ramps. Also includes design, consultation and traffic resolutions	\$25,000	\$29,000	\$32,000	Trenching for underground power connections and installation of new poles may encounter solid rock which is not included in these rates.
New Raised Pedestrian Crossing	As above but includes raised speed table. Only on Local Roads.	\$45,000	\$50,000	NA	Trenching for underground power connections and installation of new poles may encounter solid rock which is not included in these rates.
New Signalised Pedestrian Crossing	Includes central and side islands, low level and overhead displays, signal controller, streetlighting, power connections and cabling, signage, roadmarking, and kerb ramps. Also includes design, consultation and traffic resolutions.	\$90,000	\$105,000	\$115,000	Trenching for underground power connections and installation of new poles may encounter solid rock which is not included in these rates.
Pedestrian Countdown Timers at existing Traffic Signals	Replacement of pedestrian lanterns with Countdown Lanterns. Only applies at signalised pedestrian crossings and intersection signals with the Barnsdance pedestrian phase.	\$900 per lantern	\$2,000 signalised crossing \$8,000 full intersection	\$2,000 signalised crossing \$8,000 full intersection	

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Smart Stud Installation at Existing Pedestrian Crossings	Inductive loops in road, smart studs, control unit, power connection and cabling (or solar panel). Also includes design, consultation and traffic resolutions.	\$35,000	\$38,000	\$40,000	Trenching for underground power connections may encounter solid rock which is not included in these rates.
Traffic Calming – Speed Tables	Speed tables every 120m including roadmarking and signage. Also includes design, consultation and traffic resolutions. Consultation is a significant cost. Only on Local Roads	\$30,000 per speed table	\$35,000 per speed table	NA	
Installation of Traffic Signals – Four Leg Intersection	Full installation including overhead displays on all four legs. Also includes design, consultation and traffic resolutions. Usually involves arterial roads.	\$500,000	\$520,000 – traffic management on installation component only.	\$540,000 – traffic management on installation component only.	Trenching for underground power connections, ducting, jointing chambers, and pole installations may encounter solid rock which is not included in these rates.  Streetlighting improvements are not included. Not always required. Needs to be assessed on a site by site basis.
Installation of Traffic Signals – Three Leg T-Intersection	Full installation including overhead displays on all three legs. Also includes design, consultation and traffic resolutions. Usually involves arterial roads.	\$400,000	\$420,000 – traffic management on installation component only.	\$440,000 – traffic management on installation component only.	Trenching for underground power connections, ducting, jointing chambers, and pole installations may encounter solid rock which is not included in these rates.  Streetlighting improvements are not included. Not always required. Needs to be assessed on a site by site basis.
Electronic Speed Advisory Signs	Installation of Electronic Signs. Also includes design, consultation and traffic resolution.	\$8,000 per sign	\$9,000 per sign	\$10,000 per sign	Excavation for pole installations may encounter solid rock which is not included in these rates.

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40kph Electronic School Zone Signage	Two electronic signs, two static signs on a single road.  Also includes design, consultation, development of MOU with school, and traffic resolution.	\$16,000	\$18,000	\$20,000	Excavation for pole installations may encounter solid rock which is not included in these rates.  Additional signs that may be required for side roads are not included.
Streetlight Improvements	Replace existing poles, provide new lanterns. Also includes new power connection to 24/7 network.  Includes design and consultation.	\$5,000 for 7.8m pole.  \$6,000 for 11m pole	\$5,800 per 7.8m pole	\$7,500 per 11m pole	Trenching for underground power connections and pole installations may encounter solid rock which is not included in these rates.
Advance Destination Signage	New large 'white on blue' directional signage on the arterial road network.  Also includes design, consultation and traffic resolution.	\$4,000 per sign.	\$4,500 per sign	\$5,000 per sign.	Excavation for pole installations may encounter solid rock which is not included in these rates.
Installation of New Bus Shelters	Standard 3.6m long AT Bus Shelter and concrete pad.  Also includes design, consultation and resolution.	\$17,000 per shelter	\$19,000 per shelter	\$21,000 per shelter	Larger shelters priced on a one-off basis.
Seal Extensions	Includes drainage improvements, shoulder widening to create the required road width, and sealing.  Includes design and consultation.	\$500,000 per kilometre	\$520,000 per kilometre	\$530,000 per kilometre	
New Kerb and Channel	New Kerb and Channel, catchpits, plus required carriageway widening.  Includes design and consultation.	\$50,000 per 100 meters	\$57,000 per 100 meters	\$62,000 per 100 meters	Doesn't include cost of stormwater infrastructure which needs to be funded by Auckland Council. Discussions required on a project by project basis.  Trenching for catchpits and catchpit leads may encounter solid rock which is not included in these rates.

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Intersection Improvements	Creation of left turn set-backs, easing of corners, roundabouts.	Varies			Priced on a one-off basis. Can be between \$100,000 and \$500,000
Installation of Tetratrap in Catchpits	Supply and Install Tetratrap Stormwater Quality Devices in Catchpits. Includes design.	\$800 per Tetratrap.	\$900 per Tetratrap	\$1,000 per Tetratrap	Doesn't include catchment analysis which is an operational cost that can't be charged to this Capex project.
Indented Parking Bays	Removal of berm, installation of kerb and channel, protection of services, concrete parking area. Includes design and consultation.	\$15,000 per carpark space	\$17,000 per carpark space	\$19,000 per carpark space	Trenching for catchpits and catchpit leads may encounter solid rock which is not included in these rates.  Underground service relocations may be required. These are not included in the rates provided.
Seats	Supply and install, concrete pad.	\$2,000	\$2,000	\$2,000	
Drinking Fountains	Standard Parks type drinking fountain, including connection to water supply.	\$15,000 each	\$15,000 each	\$15,000 each	Traffic management doesn't apply as all work is on the berm/footpath area.
Walkway Lighting	Typical walkway between streets is about 100m long. Install three poles/lights with cabling and electrical connections.	\$6,500 per pole/light	\$20,000	\$20,000	Traffic management doesn't apply as all work is on the berm/footpath area.