### Manningham City Council - Complementary Projects List

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<tr>
<th>Discipline</th>
<th>Item</th>
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<tr>
<td><strong>Road Infrastructure</strong></td>
<td>1. Templestowe Road</td>
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<td>○ Incorporate, fund and deliver the road upgrade as part of the NELP project;</td>
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<td>○ Improve motorist safety by formalising the road with kerb and channel;</td>
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<td>○ Accommodate regular bus services by providing bus stops, bus shelters and safe pedestrian crossing points (refuge islands) between bus stops;</td>
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<td>○ Improve access to the Heide Museum of Modern Art by providing pedestrian operated signals at this location and improved conditions for motorists to safely enter the property;</td>
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<td>○ Provide pedestrian operated signals on Foote Street, Templestowe (at McLachlan Street) as part of the Ruffey Creek Linear Park trail (given the expected increase in vehicle traffic along this corridor);</td>
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<td>○ Provide a dedicated off-road shared pedestrian/cycling path (~3 kilometres in length) between Bridge Street and Thompsons Road; and</td>
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<td>○ Signalise the intersection with Bridge Street.</td>
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<td>○ Enhance this corridor, and promote Thompsons Road as a ‘gateway’ to the City of Manningham</td>
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<td><strong>Public Transport</strong></td>
<td>2. Doncaster Busway</td>
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<td>○ Grade-separation along the entire length to allow for exclusive use by buses only;</td>
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<td>○ Ensure the Busway is a suitable width (at least 12 metres wide) to provide for overtaking / breakdown lanes within the Busway and access for emergency vehicles;</td>
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- Grade-separated access directly to the Doncaster Park & Ride;
- Provide for seamless transition of buses from the Busway onto Hoddle Street (grade-separated or on-road priority for buses);
- Ensure that the proposed Bulleen Park & Ride provides for an integrated park & ride and bus interchange facility that supports a Bus Rapid Transport (BRT) standard network;
- Provide access to the Busway at Thompsons Road (at the Bulleen Park & Ride), to allow buses to feed into the arterial road network;
- Reconsider the need for the Busway to terminate into a proposed Victoria Park interchange (particularly if this would require bus passengers to transfer to a train or another bus service);
- Design for and preserve a future footprint for BRT stations at the Chandler Highway and Burke Road interchanges;
- Design the Busway so as to allow it to be transitioned to heavy rail in the future (ensure adequate grades and curvatures and sufficient overhead clearance (including for electricity cables) at all overpasses and bridges.

3. **Bus Rapid Transit (BRT)** - provision of a Bus Rapid Transit network between the CBD and the City of Manningham (Doncaster Road corridor to Mitcham)

4. **Doncaster Area Rapid Transit (DART) Network** - Accommodate infrastructure improvements to support the DART bus network, particularly where it interacts with the NELP, as follows:
   - Thompsons Road, Bulleen: provide direct access for DART 905 services from Thompsons Road into the proposed Bulleen Park & Ride site and the Busway, including bus priority (bus lanes) along
- Thompsons Road between Bulleen and Manningham Roads.
  - **Doncaster Road, Doncaster:** improve bus priority in and out of the Doncaster Park & Ride, for 907 and 908 DART services (along with other local bus services) travelling to Doncaster Hill and onto the Doncaster Busway. This includes bus priority through the intersections of Elgar, Williamsons and Tram Roads in Doncaster Hill.
  - **Eastern Freeway, between Doncaster and Springvale Roads:** ensure that on-road priority is provided for 906 DART services along this section of the freeway, including the ability to exit and re-enter at Middleborough Road to access bus stops at this interchange.
  - **Eastern Freeway at Doncaster Road interchange:** ensure that 906 DART services operating along the freeway (east of Doncaster Road) can enter onto the Doncaster Busway, and potentially into the Doncaster Park & Ride.
  - **Blackburn Road, Doncaster East:** provide bus priority improvements along Blackburn Road between the Eastern Freeway and Doncaster Road.

5. **Other local bus network improvements** - NELP provides a number of opportunities to provide improvements to the local bus network to support public transport connections between the City of Manningham and the La Trobe National Employment and Innovation Cluster as follows:

  - **Manningham Road / Banksia Street (Yarra River bridge):** Provide bus priority (bus lanes) between Lower Heidelberg Road in Heidelberg and Helene Street in Bulleen (across the bridge and through the Bulleen Road intersection) to support the 903 Orbital SmartBus and any other new services along this corridor. The 903 is Melbourne’s most patronized bus service, with over 5 million annual boardings.
  - **Templestowe Road, Bulleen:** as part of the upgrade of the road, to provide for bus services to enable a preferred future bus service to connect between Templestowe Village and Heidelberg railway station.
6. **Doncaster Rail** - The Busway should be designed to safeguard the opportunity to provide heavy rail to Doncaster in the future by:
   - Ensuring the busway can be transitioned to heavy rail in the future;
   - Maintaining adequate grades and curvatures, and sufficient overhead clearance (including for electricity cables) at all overpasses and bridges to enable future heavy rail;
   - Design and preserve adequate land to provide for the development of future railway stations at Chandler Highway, Burke Road, the proposed Bulleen Park & Ride site and Doncaster Park & Ride.

### Active Transport

#### Walking and Cycling

7. **Banksia Park, Bulleen:**

   A new shared path bridge should be provided across the Yarra River. The bridge should provide an east-west connection between Banksia Park in Bulleen and the Main Yarra Trail in Heidelberg (connecting with Dora Street where it aligns with Yarra Street). This will provide for a safe and dedicated river crossing in this region and connect to the NELP’s proposed north-south walking and cycling path. Manningham City Council has worked in collaboration with Banyule City Council to prepare a feasibility study and preferred design of the bridge. This is a much needed connection in the VicRoads Strategic Cycling Corridor. It would provide a superior and preferable alternative to opportunity 3D in Map Y1: Manningham Road Interchange in NELP’s Urban Design Strategy.

8. **Manningham Road (Yarra River bridge crossing), Bulleen/Heidelberg:**

   Existing footpaths across the bridge will need to be widened with safety barriers provided to improve pedestrian safety and protect pedestrians from motorists (due to the steep height difference between the
footpath kerb and roadway). The footpath in this location is less than 1.2 metres wide (down to 1.0m in some sections). A pedestrian barrier cannot be accommodated without footpath widening.

9. **Manningham Road, Bulleen:**

   Provide Pedestrian Operated Signals across Manningham Road at Robert Street to connect to the pedestrian walkway to Austin Street. This would support a more walkable neighbourhood within Bulleen.

10. **High Street, Doncaster:**

    Safe pedestrian crossing points (refuge islands) should be provided at two (2) separate locations at Stutt Ave/Ayr Street and Winters Way across this 4-lane arterial road.

11. **Tram Road, Doncaster:**

    Pedestrian Operated Signals should be provide at Grand Boulevard (with vehicle detector loops in Grand Boulevard), to improve pedestrian and vehicle access to the Applewood Retirement Village.

12. **High Street, Doncaster:**

    An off-road shared path (~850 metres in length) to be provided along High Street between Braeside Drive and Doncaster Road.

13. **Walking and Cycling path along the Yarra River along the south / east side (within Manningham) from Finns Reserve in Templestowe to Bulleen Park**

14. **Yarra River shared user crossing points at Bulleen Park and Plenty River Trail.**
15. Koonung Creek Linear Park (KCLP) (Eastern Freeway corridor)

- Yarraleen Walkway/Trail Bulleen: upgrade to provide amenable shared user path to Morris Williams Reserve.

- Harold Link: upgrade laneway to provide amenable Shared User Path to Harold Reserve (between Estelle Street and Reserve at rear of Alfreda and Millicent Avenues, Bulleen.

- Parkview Reserve (corner Ayr St & Parkview Place, Doncaster) – underground overhead infrastructure and make small urban plaza community space

- Sargent Street (Road Reserve and VicRoads) and south of Applewood Retirement village. Potential to provide off road shared path, and seal gravel shared path south of Applewood Retirement village

- Windella playspace, Doncaster - reconstruct playspace on completion of Project

- Doncaster Road / Eastern Freeway, Doncaster: grade separation of the Koonung Trail across Doncaster Road (north of the Freeway) should be included as part of the upgrade of the Eastern Freeway corridor. This will provide a critical missing link along the trail, and promote a safer environment for pedestrians and cyclists.

- Katrina Gully Reserve (20 Katrina Street, Doncaster): provide a sealed pedestrian path to Blossom Court to improve pedestrian connectivity to Birralee Primary School, Doncaster Park & Ride, Westfield Doncaster and the footbridge across the Eastern Freeway. This reserve forms part of Koonung Creek Linear Park and provides a much needed green space for the surrounding residential area.

- Estelle Street and Marjorie Close, Bulleen: Extend the footpaths from both the end of Estelle Street and
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<tr>
<th>Public Art and Facilities</th>
<th>16. <strong>Heide Museum of Modern Art</strong> - Protect and improve access to the Heide MOMA, and enhances its exposure from Manningham Road and the proposed NELP freeway.</th>
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<tr>
<td>Urban Design</td>
<td>17. <strong>Place specific design opportunities identified in Urban Design Strategy</strong> within the City of Manningham. Council considers all of the place specific “opportunities” identified in the NELP UDS should be design requirements provided as part of the Project.</td>
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