Appendix A.3
Typical Cross-Sections
TYPICAL SECTION 002

TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS-SECTION
GUIDEWAY IN CENTRE WITH CENTRAL CATENARY SUPPORT
TRACK CENTRES 3.59 m
MOUNTABLE GUIDEWAY AT INTERSECTIONS

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LEFT TO BE DETERMINED
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL INDICATIVE ONLY
4. WHERE SIDEWALK IS MOUNTED, A DESIRABLE WIDTH OF 2.0m, MINIMUM WIDTH OF 1.5m AND ABSOLUTE MINIMUM WIDTH OF 1.2m WILL BE MAINTAINED
TANGENT TRACK

TYPICAL DUAL GUIDEWAY CROSS - SECTION

GUIDEWAY WITH PARALLEL STOP PLATFORMS IN CENTRE OF EXISTING ROADWAYS

WITHOUT CENTRAL POLE CATENARY SUPPORT

TRACK CENTRES 5.29 m
TYPICAL SECTION 006

TYPICAL DUAL GUIDEWAY CROSS-SECTION
GUIDEWAY WITH OFFSET STOP PLATFORM IN CENTRE OF EXISTING ROADWAYS
WITH SINGLE AND/OR DOUBLE TRAFFIC LANE OPTIONS

TRACK CENTRES 3.29 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. DEPTH OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL - INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1m WILL BE MAINTAINED.
TYPICAL SECTION 007

MINIMUM 3.66 FOR 1 LANE ROAD

1.5
2.3
3.0
3.6
4.4
5.5
6.3
7.1
8.0
9.4
10.5
12.3

DISEASES 3.3
MPN 3.3
MIN 3.3
DISEASES 3.3
MPN 3.3
MIN 3.3
DISEASES 3.3
MPN 3.3
MIN 3.3
DISEASES 3.3
MPN 3.3
MIN 3.3
DISEASES 3.3
MPN 3.3
MIN 3.3

TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY IN CENTRE WITH CENTRAL CATENARY SUPPORT
TRACK CENTRES 3.99 m

NOTES:
1. LOCATION OF CABLES CONDUTS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL, INDICATING ONLY.
4. WHEN SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5 m, MINIMUM WIDTH OF 1.5 m, AND ABSOLUTE MINIMUM WIDTH OF 1.2 m WILL BE MAINTAINED.
TYPICAL SECTION 008

TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS-SECTION
GUIDEWAY WITH PARALLEL STOP PLATFORMS IN CENTRE OF EXISTING ROADWAYS
WITH PEDESTRIAN TRAFFIC AND EMERGENCY VEHICLE ACCESS ONLY

TRACK CENTRES 3.29 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATenary SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL INDICATIVE ONLY.
4. SPECIAL STREET LIGHTING TO BE DESIGNED.
TANGENT TRACK

TYPICAL DUAL GUIDEWAY CROSS - SECTION

GUIDEWAY ADJACENT WITH EXISTING SIDEWALKS

WITH PEDESTRIAN TRAFFIC AND EMERGENCY VEHICLE ACCESS ON GUIDEWAY ONLY

TRACK CENTRES 3.29 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED
2. HEIGHT OF CATHEDRAL SUPPORT POLES TO BE DETERMINED
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL (INDICATIVE ONLY).
4. SPECIAL STREET LIGHTING TO BE DESIGNED.
TYPICAL SECTION 010

TYPICAL DUAL GUIDEWAY CROSS-SECTION
GUIDEWAY WITH CENTRAL PLATFORM STOP
WITH 4.000 m WIDE PLATFORM

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL, INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.
TYPICAL SECTION 11

TANGENT TRACK
TYPICAL DUAL GUIDE WAY CROSS - SECTION
GUIDE WAY ON CURBSIDE ON EXISTING ROADWAY
WITH DOUBLE AND/OR TRIPLE TRAFFIC LANE OPTIONS ON ONE SIDE ONLY
TRACK CENTRES 3.29 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL - INDICATIVE ONLY
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 1.5m, AND ABSOLUTE MINIMUM WIDTH OF 1.0m WILL BE MAINTAINED
5. HAVING THE LRT ROW AND THE SIDEWALK AT THE SAME ELEVATION IS UNDESIRABLE. THE SIDEWALK SHOULD BE 150mm HIGHER. THIS WILL INCREASE THE ELEVATION DIFFERENCE AT THE R.O.W TO 300mm-350mm.
6. ORIFICE FIXTURE AND CATENARY TO BE COMBINED ON A POLE AS MUCH AS POSSIBLE.
TYPICAL SECTION 012

TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY IN CENTRE OF EXISTING ROADWAYS
WITH PEDESTRIAN TRAFFIC, EMERGENCY VEHICLE ACCESS AND LIMITED BUSINESS SERVICING AND DELIVERY VEHICLES
TRACK CENTRES 3.99 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATenary SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL INDICATIVE ONLY.
4. POLES TO BE EITHER COMBINED WITH LIGHTING OR ALLOWED, ATTACHED TO BUILDING FACADES.
TYPICAL SECTION 013

TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY WITH PARALLEL STOP PLATFORMS CURB SIDE LOCATION ON EXISTING ROADWAYS
WITH DOUBLE AND/OR TRIPLE TRAFFIC LANE OPTIONS ON ONE SIDE ONLY
TRACK CENTRES 3.29 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL. INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 1.7M, MINIMUM WIDTH OF 1.5M, AND MINIMUM WIDTH OF 1.0M WILL BE MAINTAINED.
5. LIGHT FIXTURES AND CATENARY TO BE COMBINED ON A POLE AS MUCH AS POSSIBLE.
TANGENT TRACK
TYPICAL HAMILTON LRT DUAL GUIDEWAY CROSS - SECTION OF THE PROPOSED B-LINE
GUIDEWAY ON NEW PROPOSED BRIDGE OVER HWY 403
WITH EMERGENCY WALKWAY
TRACK CENTRES 3.99 m

NOTES:
1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
TYPICAL SECTION 015

MINIMUM 16.05

4.92 OUTFIELD WIDTH

8.58

0.3

1.545

1.39

1.45

3.3

ILLUMINATION POLE

WESTBOUND TRACK

DUAL GUIDEWAY CROSS-SLICE

DUAL GUIDEWAY ELEVATION

ILLUMINATION POLE

MIDDLE WIRE

BIRD WIRE

CONTACT WIRE

DIRECTIONAL ARROW

GUIDEWAY IN CENTRE WITH SIDE CATENARY SUPPORT

TRACK CENTRES 3.29 m

NOTES:

1. LOCATION OF CABLE CONDUITS FOR LtT TO BE DETERMINED
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL, INDICATIVE ONLY.
4. WHERE SIDEWALK IS NEEDED, A DESIRABLE WIDTH OF 2.0m MINIMUM WIDTH OF 1.5m AND ABSOLUTE MINIMUM WIDTH OF 1.3m WILL BE MAINTAINED.
Appendix A.4
Typical Stop Configuration
Appendix A.5
Traction Power Substation Locations