APPENDIX H

Proposed Design Criteria - Parkside Drive
From Highway 6 to East of Churchill Avenue

TN1404TA000
05-Apr-12

Description	TAC Reference	Minor Arterial 60 km/h	
		TAC Design Standards	Proposed Standards
Classification			
ROAD CLASSIFICATIONS	Table 1.3.2.1	UAU 60	UAU 60
DESIGN SPEED	N/A	60 km/h	60 km/h
POSTED SPEED	N/A	50 km/h	50 km/h
Horizontal Alignments			
MINIMUM RADII **R**min.			
NC NORMAL CROWN (-0.02m/m)	Table 2.1.2.4	1290 m	1290 m
RC REVERSE CROWN (+0.02m/m) (e_{max}=+0.04m/m)	Table 2.1.2.4	185 m	185 m
RC REVERSE CROWN (+0.02m/m) (e_{max}=+0.06m/m)	Table 2.1.2.4	220 m	220 m
SUPERELEVATION RATE (e_{max}=+0.04m/m)	Table 2.1.2.4	130 m	130 m
SUPERELEVATION RATE (e_{max}=+0.06m/m)	Table 2.1.2.4	120 m	120 m
TRANSITION BETWEEN 4-LANE AND 2-LANE :			
PARALLEL LANE	Figure 2.3.9.2	100-175 m	100 m
MERGING TAPER	Figure 2.3.9.2	100 m	100 m
DIVERGING TAPER	Figure 2.3.9.2	50 m	50 m
RIGHT TURN TAPER	Table 2.3.5.2	14:1-17:1	50 m
RIGHT TURN PARALLEL LANE	Table 2.3.5.2	40-90 m	based on storage
LEFT TURN TAPER	Table 2.3.8.1	15:1-36:1	50 m
LEFT TURN PARALLEL LANE	Figure 2.3.8.1	based on storage	based on storage
MINIMUM TANGENT AT INTERSECTION	N/A	N/A	100 m
Cross Sections			
THROUGH LANE WIDTH	Table 2.2.2.3	3.5-3.7 m	3.5 m
LT LANE WIDTH	2.2.3.2	3.3-3.7 m	3.5 m
LT LANE WIDTH WITH ISLAND	N/A	N/A	3.5 m
RT LANE WIDTH	2.2.3.2	3.3-3.7 m	3.3 m
TWO WAY LEFT TURN LANE (2WLTL)	3.2.6.2	3.5-5.0 m	4.0 m
MIXED USE LANE	N/A	N/A	4.2 m
BICYCLE LANE	N/A	N/A	1.5 m
TANGENT SECTION CROSS FALL	2.1.5.2	2.0 %	2.0 %
SIDEWALK WIDTH	2.2.6.5	1.5-2.0 m	1.5 m
BOULEVARD WIDTH	2.2.6.2	1.5 m to 3.0 m	1.5 m
BOULEVARD CROSSFALL	2.2.6.4	4.0 % (min)	4.0 %
MULTI-USE TRAIL	N/A	N/A	N/A
DRIVEWAY GRADES (MAX %) BEHIND SIDEWALKS	2.2.6.4	1.0 % to 5.0 %	2.0 %
DRIVEWAY GRADES (MAX %) B/W CURB AND SIDEWALK	2.2.6.4	1.0 % to 5.0 %	2.0 %
SIDEWALK CROSSFALL	2.2.6.5	1.0-5.0 %	2.0 %
Vertical Alignments			
Minimum Stopping Sight Distance	Table 2.1.3.2	74.3 - 84.6	
MAXIMUM GRADE	Table 2.1.3.1	3.0 %	3.0 %
MINIMUM GRADE	2.1.3.1	0.5 %	0.5 %
MINIMUM LENGTH OF SAG VERTICAL CURVE / **K**min.	Table 2.1.3.4	8-9 (comfort) 15-18 (headlight)	18
MINIMUM LENGTH OF CREST VERTICAL CURVE / **K**min.	Table 2.1.3.2	10-13 (rounded)	13
Layout			
RADIUS OF CURBS AT INTERSECTION			
ARTERIAL TO COLLECTOR	N/A	N/A	12 m
ARTERIAL TO ARTERIAL	N/A	N/A	15 m
DAYLIGHT TRIANGLES	N/A	N/A	12 m
Other			
ROW WIDTH	N/A	N/A	23 m