



Hamilton

CITY OF HAMILTON
AEGD - COLLECTOR 6N - CORRIDOR PROTECTION STUDY
 COLLECTOR 6N
 STA. XX+XXX - XX+XXX

Arcadis - IBI Group

CRITERIA	REFERENCE / NOTES	DESIGN STANDARDS	PROPOSED STANDARDS
CLASSIFICATION	City of Hamilton Development Engineering Guidelines (2003), "COHDEG"	Major Collector Urban Residential	Major Collector Urban Residential
DESIGN SPEED	COHDEG, TAC Ch. 2, Pg. 21, Section 2.3.6.3	60 km/hr (COHDEG)	60 km/hr
POSTED SPEED	COHDEG	60 km/hr	60 km/hr
AADT			
ROW Width	AEGD Transportation Masterplan	36.0 m	36.0 m
MINIMUM RADIUS			
Normal Crown (m)	TAC Ch. 3, Pg. 14, Table 3.2.4	1290 m	1290 m
Reverse Crown (+0.02) e_{max} 0.04 (m)		185 m	185 m
Superlevated e_{max} 0.04		130 m	130 m
MINIMUM STOPPING SIGHT DISTANCE	TAC Ch. 2, Pg. 38, Table 2.5.2 & Pg. 39	105 m	105 m
MINIMUM 'K' VALUE - CREST	TAC Ch. 3, Pg. 59, Table 3.3.2.	17	17
MINIMUM 'K' VALUE - SAG	TAC Ch. 3, Pg. 62, Table 3.3.4. & TAC Ch. 3, Pg. 63, Table 3.3.5.		
COMFORT CONTROL		10 to 12	10 to 12
HEADLIGHT CONTROL		23	N / A
GRADES - MAXIMUM	COHDEG, TAC, Ch 3, Table 3.3.1	5.0% (COHDEG) 3% (R) / 6% (M)	5.0%
GRADES - MINIMUM	COHDEG, TAC, Ch 3, Section 3.3.2.5	0.50%	0.50%
STANDARD CROSSFALL	COHDEG	2.0%	2.0%



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CRITERIA	REFERENCE / NOTES	DESIGN STANDARDS	PROPOSED STANDARDS
LANE WIDTH			
CURB LANES	TAC, Ch 4, Table 4.2.3 (c) R.O.W. Corridor Design Guideline	3.5 m (AEGD TMP) 3.3 m to 3.7 m 3.65 m (c)	3.5 m
THROUGH LANES		3.3 m (AEGD TMP) 3.3 m to 3.7 m 3.35 m (c)	3.3 m
BOULEVARD / AMENITY SPACE			
DITCH / SWALE / LID WIDTH (BOTH SIDES)	AEGD Transportation Masterplan	5.25 m (AEGD TMP)	5.25 m
BOULEVARD WIDTH (GRASS / TREES / HSR STOP SPACE, BOTH SIDES)	AEGD Transportation Masterplan	2.0 m (AEGD TMP)	2.0 m
MULTI-USE PATH WIDTH (ON ONE SIDE ONLY)	AEGD Transportation Masterplan	3.0 m (AEGD TMP)	3.0 m
SIDEWALK WIDTH (ON ONE SIDE ONLY)	AEGD Transportation Masterplan	1.8 m (AEGD TMP)	1.8 m
SETBACK FROM PROPERTY LINE (BOTH SIDES)	AEGD Transportation Masterplan	1.0 m (AEGD TMP)	1.0 m
Prepared by:	Checked by:	Approved by:	