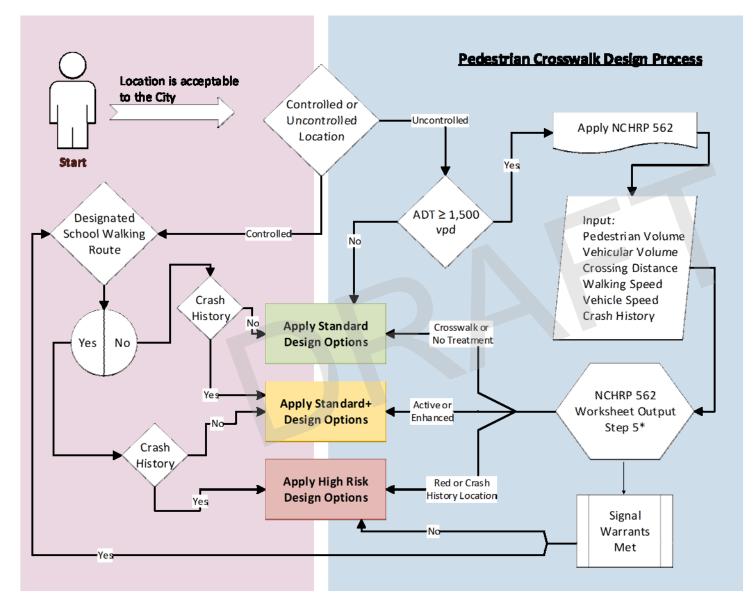
2018



Data Needs:

Pedestrian Volume, hourly Vehicular Volume, hourly, Crossing Distance Walking Speed Vehicular Speed Crash History

Special Considerations:

Sensitive population?
Adjacent School?
Published school walk route?

Notes:

If adjacent to a school or on published school walking route map, design to results plus one level.

Evaluation of street lighting conditions is a concurrent process. Street light installation is managed through the street light Asset Management Team.

2018

Crosswalk Design Guidelines: Uncontrolled

	Street	et Uncontrolled Design Options					
	Type	Standard	Standard+	High Risk Location			
		Unmarked	Pavement Markings	High Visibility Markings			
	Local			Pedestrian Warning Series (W11-2)			
	LUCAI			or			
				School Warning Series (S1-1)			
		High Visibility Markings	Pedestrian Warning Series (W11-2)	Bright Sides			
			or				
			School Warning Series (S1-1)	In-Lane Signs (R1-6a)			
	Collector			Pedestrian Islands			
	Collector			R1-6a Signs on Island			
				Bump Outs			
				Stop Here for Ped. (R1-5b) Signs w/			
				Stop Bar on Multilane Approach			
		High Visibility Markings	Pedestrian Warning Series (W11-2)	Rectangular Rapid Flashing Beacon			
			or	(RRFB) - Side Mounted			
			School Warning Series (S1-1)	Pedestrian Hybrid Beacon (PHB)			
	Minor &		Bright Sides	Pedestrian Signal			
	Major		In-Lane Signs (R1-6a)				
	Arterials		Pedestrian Islands				
	≤ 3 Lanes		R1-6a Signs on Island				
			Bump Outs				
			Stop Here for Ped. (R1-5b) Signs w/				
			Stop Bar on Multilane Approach				
		High Visibility Markings	In-Lane Signs (R1-6a)	Rectangular Rapid Flashing Beacon			
				(RRFB) - Additional Mounting Over- head or on Island			
		Pedestrian Warning Series (W11-2)	Pedestrian Islands	Pedestrian Hybrid Beacon (PHB)			
	WIIIIOI &	or		redestriali nybrid Beacon (Phb)			
	iviajor		P1 62 Signs on Island	Podoctrian Signal			
		School Warning Series (S1-1) Bright Sides	R1-6a Signs on Island Bump Outs	Pedestrian Signal Overhead Mounted "Local Law, Stop			
	_ J Lanes	Dirigitt Sides	Bullip Outs	for Ped" (R1-9a)			
		Mid-block: Stop Here for Ped. (R1-5b)	Ston Here for Ped (P1-5h) Signs w/	io. Fed (ii. 5d)			
		Signs w/ Stop Bar	Stop Bar on Multilane Approach				
		5.6. 5 1.7 500p 5ai	otop 25. on mannane Approach				

Notes:

Design options are a suite of devices that are appropriate for a particular design level.

The final design for a given location will be tailored to meet the needs of that particular location.

Final design is subject to the opinion of the City Engineer.

2018

Control Type	Street Type	Standard	Standar+	High Risk Location
Stop Contolled	Local	Unmarked	Pavement Markings	High Visibility Markings Intersection Warning Series
	Collector, Minor & Major Arterial	High Visibility Markings	Enhanced High Visibility Markings, e.g. 10' wide crosswalk	Intersection Warning Series Bump Outs
Signalized		High Visibility Markings Stop Bars Count Down Pedestrian Heads	Enhanced High Visibility Markings, e.g. 10' wide crosswalk	Advanced Pedestrian Phase Pedestrian Only Phase Pedestrian Scramble Phase
		Standard Markings R1-6a Signs on Island	High Visibility Markings	Stop (Yield) Bars Stop Here for Ped. (R1-5b) Signs Audible Warning Strips
Roundabout	Major	High Visibility Markings R1-6a Signs on Island Audible Warning Strips	Stop (Yield) Bars Stop Here for Ped. (R1-5b) Signs	Pedestrian Warning Series (W11-2) or School Warning Series (S1-1)
~ ~	Major Arterial:	High Visibility Markings R1-6a Signs on Island Audible Warning Strips Stop (Yield) Bars Stop Here for Ped. (R1-5b) Signs	Rectangular Rapid Flashing Beacon (RRFB) - Side Mounted	Pedestrian Hybrid Beacon (PHB)

Notes:

Design options are a suite of devices that are appropriate for a particular design level.

The final design for a given location will be tailored to meet the needs of that particular location.

Final design is subject to the opinion of the City Engineer.