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**DEPARTMENT OF PUBLIC WORKS**  
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Approved by Council on 2/1/2017

**CROSSWALK MARKING/ENHANCEMENT POLICY**  
**for**  
**UNCONTROLLED CROSSINGS AT INTERSECTIONS**

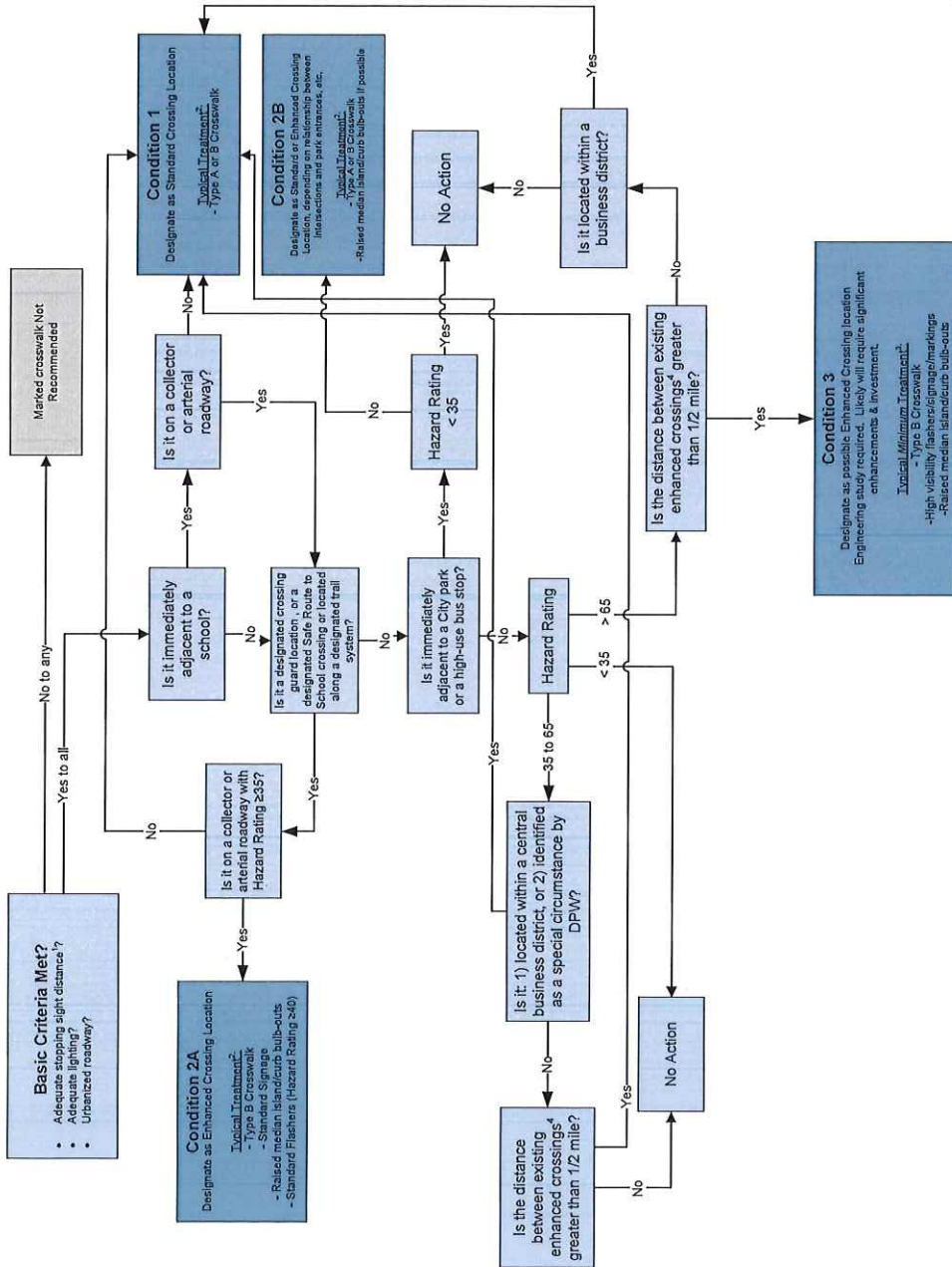
It shall be the standard practice of the City of Appleton to evaluate the appropriateness of marked crosswalks (and associated treatments) at intersections based on the guidance set forth herein and on the attached, utilizing the most current research conducted by the Federal Highway Administration (FHWA) and the National Cooperative Highway Research Program (NCHRP).

All requests to mark an intersection crosswalk will be reviewed by the Traffic Section. Any requests that are administratively denied may appeal the decision to the Common Council through the Municipal Services Committee. In all cases, intersection crosswalks shall be signed and marked in compliance with the Manual on Uniform Traffic Control Devices (MUTCD) and the Wisconsin Supplement to the MUTCD.





# Crosswalk Installation Evaluation Guidance for Uncontrolled crossings at Intersections



**GENERAL:**  
This document is intended to provide guidance only. Each intersection under evaluation shall be reviewed by the Traffic Section on case-by-case basis to ensure context sensitivity and compliance with applicable regulations and design standards. Additionally:

- All crosswalks installed shall conform to the Wisconsin Manual on Uniform Traffic Devices (MUTCD)
- All marked crosswalks shall lead from one safe landing zone to another. A safe landing zone is considered as an area where a pedestrian is safe from vehicle conflict while waiting to cross or when finished crossing. This may include curb and gutter modifications and a concrete ramp installation meeting Proposed Right of Way Accessibility Guidelines (PROWAG) requirements.
- Crosswalks shall be placed in areas where there is sufficient stopping sight distance for the posted speed limit and be lighted for nighttime use on higher functional classification streets.

**NOTES**

- As defined by AASHTO
- Actual treatments to be determined by the Traffic Section on a case-by-case basis.
- Represents minimum treatments. Actual treatments to be determined by the Traffic Section on a case-by-case basis.
- Examples of "enhanced crossings" include: traffic signal, pedestrian hybrid beacon, pedestrian-actuated RRFB systems, and other substantial treatments, or combination of treatments.



Crosswalk Evaluation Hazard Ratings

Crossing	At	ADT		# of Auto Lanes		Crossing Width		Pedestrians/day (est)		Speed Limit		Other Points	Hazard Rating
		ADT	Points	#	Points	Feet	Points	#	Points	MPH	Points		
Wisconsin	Appvion	7,800	12.0	4	15	58	16.6	500	62.5	25	5	10	121.1
College	Lawrence University	15,500	23.8	4	15	48	13.7	500	62.5	25	5	0	120.1
Northland	Memorial Park	16,000	27.7	4	15	50	14.3	100	12.5	45	25	15	109.3
French	Apple Creek Trail (projected ADT)	15,500	23.8	2	5	40	11.4	150	16.8	35	15	10	84.0
Memorial	River	22,000	33.8	4	15	48	13.7	50	6.3	30	10	0	83.8
Memorial	Chain	19,600	30.2	5	20	50	14.3	25	3.1	35	15	0	82.6
Badger	Winnabago	6,900	10.6	2	5	36	10.3	330	41.3	30	10	5	82.2
Richmond	Ridgeview	17,000	26.2	5	20	60	17.1	30	3.8	35	15	0	82.0
Wisconsin	Bennett	16,500	25.4	5	20	58	16.6	75	9.4	30	10	0	81.3
Ballard	Milestone	15,600	24.0	5	20	60	17.1	25	3.1	35	15	0	79.3
Richmond	Winnabago	17,600	27.1	5	20	55	15.7	50	6.3	30	10	0	79.0
Midway	Whip-Poor-Will (projected ADT)	18,000	27.7	4	15	50	14.3	50	6.3	30	10	5	78.2
Midway	Hemlock (projected ADT)	18,000	27.7	4	15	50	14.3	50	6.3	30	10	5	78.2
Midway	Kerman (projected ADT)	18,000	27.7	4	15	50	14.3	50	6.3	30	10	5	78.2
College	Alton	18,700	28.8	4	15	48	13.7	75	9.4	30	10	0	76.9
College	Matthias	15,000	23.1	4	15	48	13.7	75	9.4	30	10	0	76.2
College	Matthias	15,000	23.1	4	15	50	14.3	62	7.8	30	10	5	75.1
Richmond	Parkway	18,800	28.9	4	15	51	14.6	50	6.3	30	10	0	74.7
Oneida	Foster	14,400	22.2	4	15	50	14.3	61	7.6	30	10	5	74.1
Meade	Florida	13,000	20.0	4	15	55	15.7	50	6.3	30	10	5	72.0
Calumet	Kerman	11,000	16.9	4	15	50	14.3	75	9.4	30	10	5	70.6
Meade	Apple Creek Trail Crossing	6,000	9.2	4	15	48	13.7	50	6.3	35	15	10	69.2
Meade	Grant	11,800	18.2	4	15	46	13.1	75	9.4	30	10	0	65.7
Providence	Apple Creek Trail	2,200	3.4	2	5	36	10.3	250	31.3	25	5	10	64.9
John	Emmers	7,800	11.7	3	10	48	13.7	75	9.4	30	10	10	64.8
Edgewood	Kwik Trip	4,000	6.2	3	10	37	11.1	100	12.5	35	15	0	62.8
Wisconsin	Owaissa	6,900	10.6	4	15	51	14.6	50	6.3	35	15	0	61.4
Meade	Evergreen	6,000	9.2	4	15	50	14.3	50	6.3	35	15	0	59.8
Plank	Time Warner	6,000	9.2	2	5	44	12.6	50	6.3	35	15	10	58.1
Badger	Schneider	6,900	10.6	2	5	36	10.3	125	15.6	30	10	5	56.6
Kensington	Rail	6,500	10.0	4	15	48	13.7	50	6.3	25	5	5	55.0
Lave	North	6,600	10.2	2	5	33	9.4	78	9.8	25	5	10	49.3
Franklin	Superior	4,500	6.9	3	10	48	13.7	100	12.5	25	5	0	48.1
Sixth	Walnut	5,500	8.5	2	5	38	10.9	150	18.8	25	5	0	48.1
Washington	Park	1,600	2.5	2	5	36	10.3	200	25.0	25	5	0	47.7
Taft	Clover	2,400	3.7	2	5	37	10.6	140	17.5	25	5	5	46.8
Glendale	Drew	3,900	6.0	2	5	39	11.1	113	14.1	25	5	5	46.3
Oneida	Marquette	7,800	12.0	2	5	37	10.6	66	8.3	25	5	5	45.8
Mason	Glendale	7,200	11.1	2	5	39	11.1	68	8.5	25	5	5	45.7
French	Ashbury	3,880	6.0	3	10	36	10.3	25	3.1	35	15	0	44.4
Valley	Schindler (E)	4,400	6.8	4	15	48	13.7	25	3.1	25	5	0	43.6
Prospect	Rodgers	7,126	11.0	2	5	36	10.3	57	7.1	25	5	5	43.4
Rankin	Eldorado	2,215	3.4	2	5	31	8.9	125	15.6	25	5	5	42.9
Prospect	Pierce	8,900	13.1	2	5	36	10.3	25	3.1	25	5	5	41.5
Walnut	Eighth	2,600	4.0	2	5	30	8.6	150	18.8	25	5	0	41.3
Glendale	Rosenner	2,900	4.5	2	5	40	11.4	50	6.3	35	15	0	41.2
Drew	Harris	3,900	6.0	2	5	36	10.3	75	9.4	25	5	5	40.7
Lave	Pacific	6,250	9.6	2	5	33	9.4	50	6.3	25	5	5	40.3
Franklin	Parkway	3,400	5.2	2	5	36	10.3	75	9.4	25	5	5	39.9
Schaefer	Horizon	1,380	2.1	2	5	32	9.1	109	13.6	25	5	5	39.9
Taft	Carpenter	2,730	4.2	2	5	38	10.9	75	9.4	25	5	5	39.4
Carpenter	Coolidge	1,970	3.0	2	5	41	11.7	75	9.4	25	5	5	39.1
Spencer	Outagamie	3,000	4.6	2	5	45	12.9	50	6.3	25	5	5	38.7
Capitol	Witzke	4,500	6.9	2	5	36	10.3	50	6.3	25	5	5	38.5
Lave	Vulkan St	4,500	6.9	2	5	36	10.3	50	6.3	25	5	5	38.5
Brewster	Mason	5,700	8.8	2	5	36	10.3	75	9.4	25	5	0	38.4
North	Bateman	2,900	4.5	2	5	36	10.3	75	9.4	25	5	5	38.2
Forest	Kensington	6,500	10.0	2	5	35	10.0	25	3.1	25	5	5	38.1
Prospect	Carver (Xavier)	6,300	9.7	2	5	36	10.3	25	3.1	25	5	5	38.1
Newberry	Teklah	4,800	7.4	2	5	41	11.7	25	3.1	25	5	5	37.2
South River	West	3,540	5.4	2	5	36	10.3	50	6.3	25	5	5	37.0
Pacific	Vine	2,515	3.9	2	5	41	11.7	50	6.3	25	5	5	36.8
Fremont	Madison	3,700	5.7	2	5	40	11.4	75	9.4	25	5	0	36.5
Telulah	Roeland	4,300	6.6	2	5	40	11.4	25	3.1	25	5	5	36.2
Washington	Linwood	4,850	7.5	2	5	37	10.6	25	3.1	25	5	5	36.2
Linwood	Packland	2,000	3.1	2	5	39	11.1	50	6.3	25	5	5	35.5
Florida	Durkee	1,900	2.9	2	5	38	10.9	50	6.3	25	5	5	35.0
Forest	Buchanan	2,200	3.4	2	5	36	10.3	50	6.3	25	5	5	34.9
Roeland	Jackson	2,200	3.4	2	5	36	10.3	50	6.3	25	5	5	34.8
Morrison	Parkway	1,000	1.5	2	5	42	12.0	50	6.3	25	5	5	34.8
Drew	Parkway	1,900	2.9	2	5	36	10.3	50	6.3	25	5	5	34.5
Oneida	Brewster	6,600	10.2	2	5	36	10.3	30	3.8	25	5	0	34.2
Mason	Grant	7,000	10.8	2	5	36	10.3	25	3.1	25	5	0	34.2
Oneida	Glendale	7,000	10.8	2	5	36	10.3	25	3.1	25	5	0	34.2
Lave	Washington	6,900	10.6	2	5	36	10.3	25	3.1	25	5	0	34.0
Prospect	Ein	4,000	6.2	2	5	28	8.0	35	4.4	25	5	5	33.5
Glendale	Racine	6,400	9.8	2	5	36	10.3	25	3.1	25	5	0	33.3
Ashbury	Sourapple	1,100	1.7	2	5	36	10.3	50	6.3	25	5	5	33.2
Packard	Douglas	1,100	1.7	2	5	36	10.3	50	6.3	25	5	5	33.2
Providence	FaCreek	1,000	1.5	2	5	36	10.3	50	6.3	25	5	5	33.1
Meade	Atlantic	4,800	7.4	2	5	33	9.4	50	6.3	25	5	0	33.1
Cedar	Outagamie	975	1.5	2	5	34	9.7	50	6.3	25	5	5	32.5
Haymeadow	Arrowhead	1,300	2.0	2	5	32	9.1	50	6.3	25	5	5	32.4
Lindbergh	Lisa	715	1.1	2	5	33	9.4	50	6.3	25	5	5	31.8
Schaefer	Eric	1,380	2.1	2	5	36	10.3	25	3.1	25	5	5	30.5
Marquette	Eugene	715	1.1	2	5	39	11.1	25	3.1	25	5	5	30.4
Schaefer	Schaefer	1,120	1.7	2	5	36	10.3	25	3.1	25	5	5	30.1
Glendale	Elinor	1,500	2.3	2	5	32	9.1	25	3.1	25	5	5	29.6
Olde Oneida	Edison	4,000	6.2	2	5	36	10.3	25	3.1	25	5	0	29.6
Drew	Atlantic	3,400	5.2	2	5	32	9.1	25	3.1	25	5	0	27.5
Typical	Residential	500	0.8	2	5	33	9.4	25	3.1	25	5	0	23.3
Linwood	Winnabago	300	0.5	2	5	32	9.1	5	0.6	25	5	0	20.2

Category	Points
↓ AADT	↓ Count<650
1	5
3	15
4	20
5	25
Crossing Width	Feet<3.5
Pedestrians/day	Count<8
Speed Limit	Points
30 mph	10
35 mph	15
25 mph	5
40 mph	20
45 mph	25
Other Points	Points
School crossing	5
School crossing	5
Park	5
Sight Distance Limitations	5
Special Circumstances	1-10
Ped Crash History	1-10

