EXHIBIT "A"

Leading Pedestrian Interval Suitability Assessment Worksheet

	Description	Values	Score	Score Allocation Guide	Justification	Notes
1	Is the pedestrian crossing at a T-intersection (crossing is parallel to a road that ends at the intersection) and/or Is the pedestrian crossing parallel to a one-way road?		0 to 2	Yes = 2 No = 0	High level of potential safety improvement with LPI at T-intersections compared to regular intersections because all vehicles approaching a T-intersection make a left/right turn and left turning vehicles do not need to wait for and yield to vehicles in the opposing direction. Similarly, left turning vehicles travelling on a one-way road do not need to wait for and yield to vehicles in the opposing direction.	
2	Are there issues such as safety concerns verified by staff or visibility issues due to features such as irregular intersection geometry, wide turning radius, crosswalk placement, obstructions such as buildings or base of a bridge, blinding sun angle?		0 to 2	Yes (4 or more issues) = 2 Yes (Between 1 to 3 of issues) = 1 No = 0	High level of potential safety improvement	
3	8-Hour volume of pedestrians crossing the leg being considered for LPI (p)		0 to 2	2 if P > 1000 1 if 200 < P≤ 1000 0 if P ≤ 200	High level of benefit for the highest number of pedestrians	
4	What is the overall total impact on vehicles using the intersection? What is the increase in intersection total or average delay (%) (a) What is the through phase V/C ratio of the signal with LPI (b) What is the total 8-Hour vehicular volume at the intersection (c)		0 to -6	Overall impact = -1 x |Min(A,B) x C|, where A={ 0 if a < 10%, −1 if 10% < a ≤ 30% −2 if a > 30%} B={ 0 if b < 0.9 −1 if b ≥ 0.9} C={−1 if C < 16,000 -2 if c ≥ 16,000 and < 30,000 −3 if c ≥ 30,000 }	High level of negative impact on traffic operations for a large number of drivers	
5	What is the rate of annual collisions between pedestrians and left or right turning vehicles per 1000 8-hour pedestrian crossings at the specific crossing in the past 5 years?		0 to 2	None = 0 Between 0 and 3 = 1 Greater than 3 = 2	High level of potential safety improvement	
6	What is the rate of conflicts* [conflicts per 1000 8-hour observations] between pedestrians and left or right turning vehicles at the specific crossing during 8 hours of observation during area specific pedestrian peak and non peak periods?**		0 to 2	None = 0 Between 0 and 3 = 1 Greater than 3 = 2		
7	How far is the location from the nearest elementary school?		0 to 2	2 if e = 5 1 if 4≤ e <5 0 if e<4	High level of benefit to slower walking pedestrians: elderly	
8	**TOTAL SCORE**					