

**Check:**

Highway Capacity Manual 2000

- Before improvement both before and after worksheets are required  
 After improvement

INPUT WORKSHEET													
General Information						Site Information							
Analyst _____						Intersection _____							
Agency or Company _____						Area Type <input type="checkbox"/> CBD <input type="checkbox"/> Other							
Date Performed _____						Jurisdiction _____							
Analysis Time Period <b>pm peak</b>						Analysis Year _____							
Intersection Geometry													
						<p> = Pedestrian Button</p> <p> = Lane Width</p> <p> = Through</p> <p> = Right    include turning bay length</p> <p> = Left</p> <p> = Through + Right</p> <p> = Left + Through</p> <p> = Left + Right</p> <p> = Left + Through + Right</p>							
Volume and Timing Input													
		EB			WB			NB			SB		
		LT	TH	RT <sup>1</sup>	LT	TH	RT <sup>1</sup>	LT	TH	RT <sup>1</sup>	LT	TH	RT <sup>1</sup>
Volume, V (veh/h)													
% heavy vehicles, % HV													
Peak-hour factor, PHF													
Pretimed (P) or actuated (A)													
Start-up lost time, I <sub>1</sub> (s)													
Extension of effective green time, e (s)													
Arrival type, AT													
Approach pedestrian volume, <sup>2</sup> v <sub>ped</sub> (p/h)													
Approach bicycle volume, <sup>2</sup> v <sub>bic</sub> (bicycles/h)													
Parking (Y or N)													
Parking maneuvers, N <sub>m</sub> (maneuvers/h)													
Bus stopping, N <sub>b</sub> (buses/h)													
Min. timing for pedestrians, <sup>3</sup> G <sub>p</sub> (s)													
Signal Phasing Plan													
D I A G R A M	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8					
Timing	G = Y =	G = Y =	G = Y =	G = Y =	G = Y =	G = Y =	G = Y =	G = Y =	G = Y =				
Protected turns			Permitted turns Pedestrian				Cycle length, C = _____ s						
Notes													
1. RT volumes, as shown, exclude RTOR.													
2. Approach pedestrian and bicycle volumes are those that conflict with right turns from the subject approach.													
3. Refer to Equation 16-2.													