

Worksheet 3.2: Queue Delay

| | 3.2(A) | 3.2(B) | 3.2(C) | 3.2(D) | 3.2(E) | 3.2(F) | 3.2(G) | 3.2(H) |
|---|---------------------|-----------------------|--------------------------|-----------|---------------------------|--------------------------|--|-----------------|
| | Queue Period (hour) | Queue Volume (veh/hr) | Normal Capacity (veh/hr) | V/C Ratio | Average Queue Speed (mph) | Unrestricted Speed (mph) | Average Queued Vehicles per Queue Period (#) | Queue Lanes (#) |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

| | 3.2(I) | 3.2(J) | 3.2(K) | 3.2(L) | 3.2(M) | 3.2(N) | 3.2(O) |
|---|------------------------------------|-----------------------------|--|---|-------------------------------------|--|------------------------------------|
| | Average Vehicle Length (feet/veh) | Average Queue Length (mile) | Queue Travel Time at Unrestricted Speed (hr/veh) | Queue Travel Time at Queue Speed (hr/veh) | Added Time to Travel Queue (hr/veh) | Affected Vehicles per Queue Period (#) | Added Time per Queue Period (hour) |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| | Totals | | | | | | |
| | Added Time Weighted Average | | | | | hr/veh | |

Project: _____ **Date:** _____

Description: _____