Synchro v11

OPTIONS

Map setting
Intersection paths on

Network Settings
Peak Hour Factor – 0.90 (use calculated PHF if available) (for higher volume area it may be necessary to use 0.95 in the future design year)
Yellow – 4 sec
Red – 2 sec
Offset style – Begin of Yellow
Min split through – 22 sec
Min split left – 15 sec
Simulation taper length – 100 ft
Crosswalk width – 6 ft
Uncheck lead/lag optimize
Uncheck Fixed force-offs
Actuated uncoord by default

Detector Templates,
Left – Det1 0, size 30 (District 5 use Det1 50, size 30)
Thru – 30 mph – Det1 80, size 6
        35 mph – Det1 200, size 6
        40 mph – Det1 300, size 6
        45 mph – Det1 330, size 6 default
        50 mph – Det1 370, size 6
        55 mph – Det1 445, size 6
        60 mph – Det1 485, size 6
Generally for side streets, use loops at stop bar (leading to 0)
It may be necessary to place detection at the stop bar to generate HCM Reports

Phase Templates
Edit template phases – 2 & 6 on mainline (label clockwise)

Simtraffic

Intervals and volumes
Seed 15 min*, record 60 or record 4 15-min intervals
* for large networks seeding should cover saturating network
Queuing Analysis – Run 10 separate 1 hour simulations and average the 95th percentile queues

Place file named defaults.syn on the C:ProgramData/Trafficware/Synchro 11 folder (May need to unhide folders)