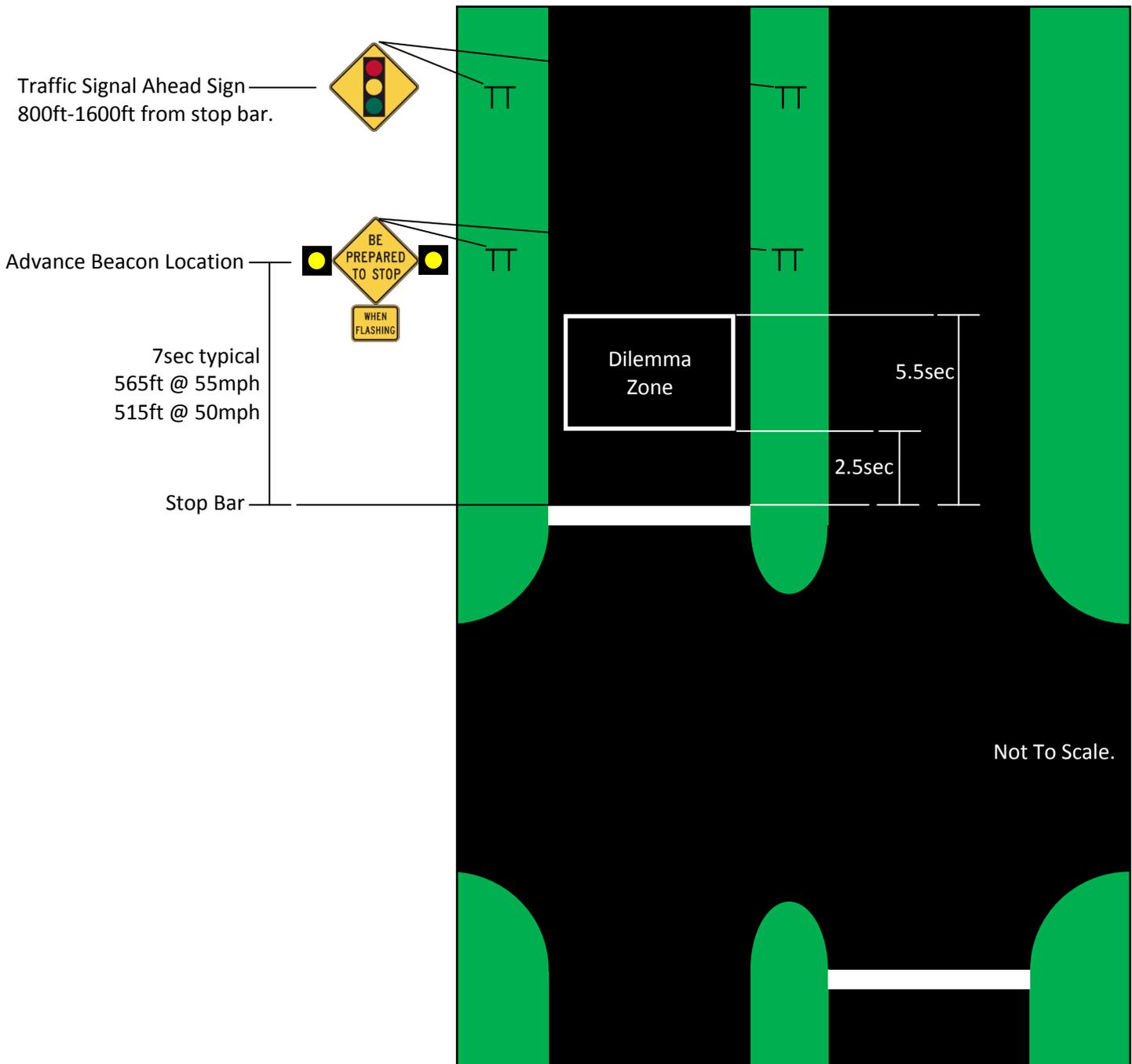


Guidelines for Traffic Signal Advance Warning Beacons



Notes

- The beacon flash time shall be the same as the travel time between the advance beacons and the stop bar. For example, 7sec travel time means 7sec of beacon flash time prior to the traffic signal changing from green to yellow.
- If a driveway is in conflict with the advance beacon location, the beacons may be moved farther from the stop bar. However, then the beacon flash time needs to be adjusted (different flash times for different directions of travel, or move the beacons for both directions of travel back to the same distance from the stop bars). If advance beacons are moved farther from the stop bars, then delay will increase for side street traffic.
- The advance beacons shall be located upstream of the dilemma zone. The upstream edge of the dilemma zone is considered to be 5.5sec from the stop bar, from FHWA's Traffic Signal Timing Manual (2008 Edition) page 4-25.
- 55mph = 80.67 ft/sec. 50mph = 73.33 ft/sec.