

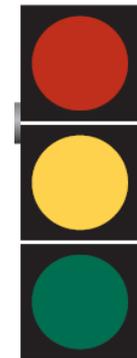
Introducing Concurrent Pedestrian Phasing at State Owned Signalized Intersections



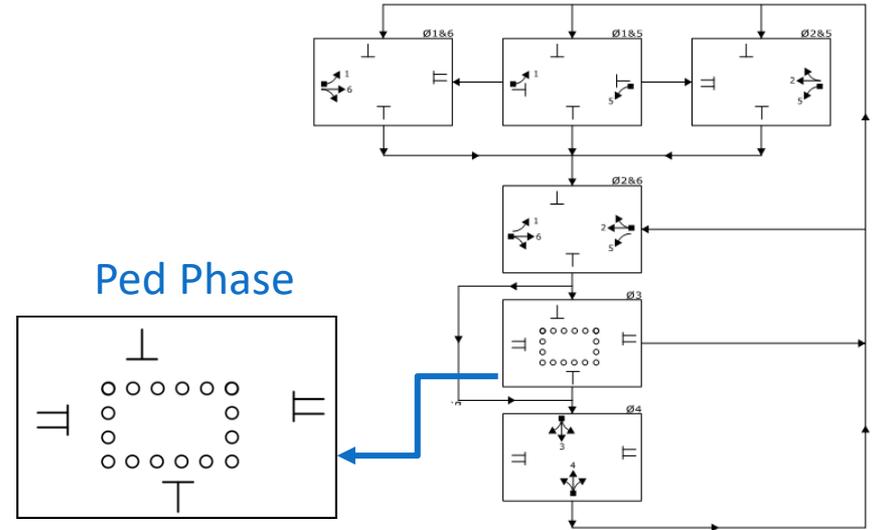
2,500+ Signalized Intersections Owned and Maintained by CTDOT

Pedestrian Control at Signalized intersections falls into 4 Categories:

- Exclusive (\approx 925 signals)
- Concurrent (0 signals)
- Side Street Green (\approx 1,400 signals)
- No Pedestrian Crossing (\approx 170 signals)



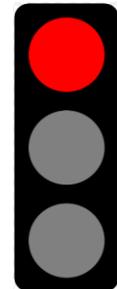
Exclusive (≈ 925 signals)



Pedestrian
Signal



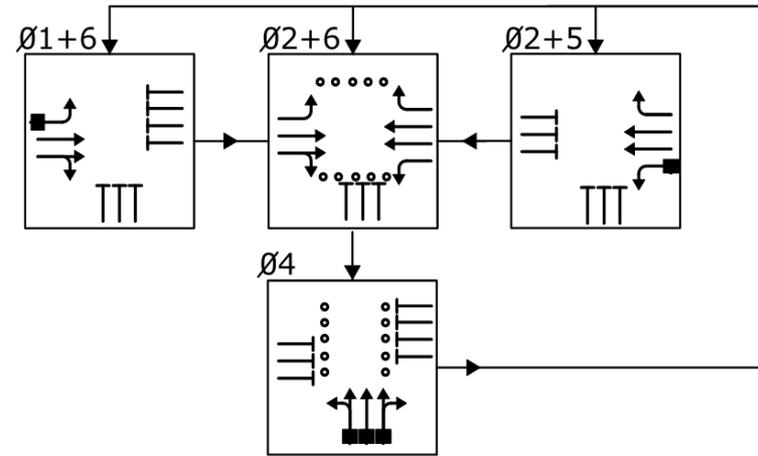
Signals for All
Motorists



Concurrent (0 signals)

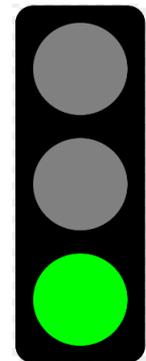


Picture Source: pedbikeimages.com - Dan Burden (2006)

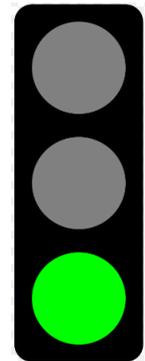


Pedestrian
Signal

Signals for
Parallel Motorists

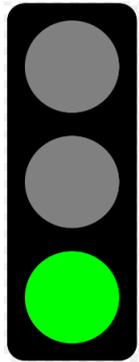


Side Street Green ($\approx 1,400$ signals)



Shared Signal
Faces for Motorists
& Pedestrians

Side Street Green – Example #2



Signal Faces for Parallel Motorists & Pedestrians



No Pedestrian Crossing (\approx 170 locations)



Opportunity

Work towards Concurrent pedestrian phasing to replace Side Street Green, where applicable.

This will provide the following for pedestrians:

- Countdown pedestrian indications (with Walk/Don't Walk)
- Push buttons with Accessible Pedestrian Signals (APS)
- Leading Pedestrian Intervals (LPI), where possible
- ADA compliant ramps
- Crosswalks

Challenges

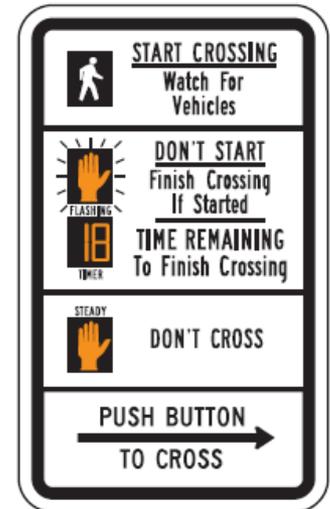
- Exclusive and Concurrent Pedestrian Phasing use the same Walk/Don't Walk and Countdown indications
- Longstanding practice has likely trained Connecticut residents to assume all traffic STOPS when Walk/Don't Walk indications are present
- Concern with violating expectations of pedestrians and motorists who are accustomed to exclusive walk phases

Potential Approach

- Signs to alert drivers



- Sign for pedestrians



- Percussive Tone vs. Speech Message

- Community education



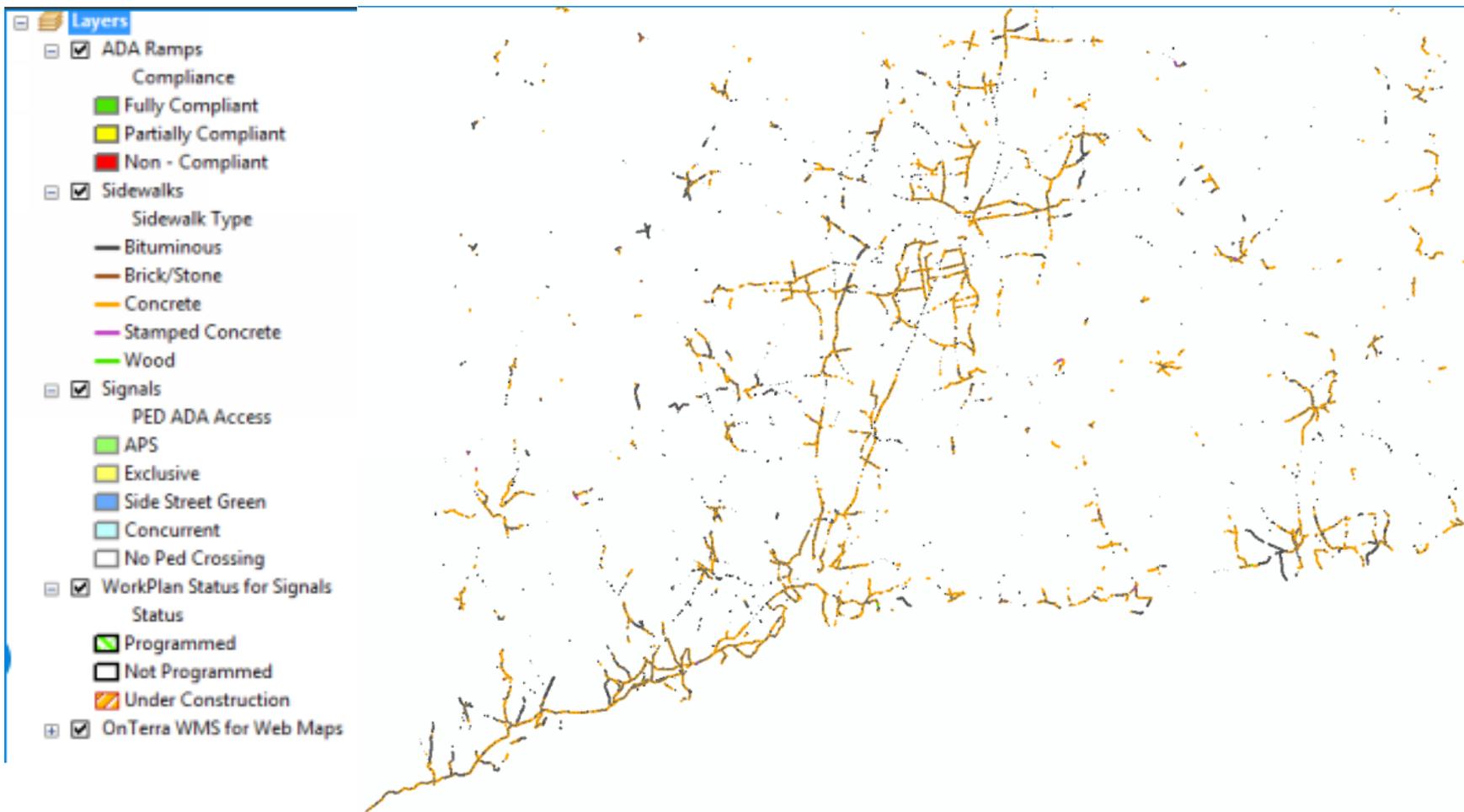
Status

The Department is currently pursuing concurrent pedestrian phasing at various locations under State projects.

Signal Design Manual update in progress for guidance in the Pedestrians chapter.

Map Under Development

Sample – Full State Map



Map Under Development

Sample – Zoomed In Area (Routes 6 & 229 in Bristol)





Questions?