



Introducing Concurrent Pedestrian Phasing at State Owned Signalized Intersections

If you would like the presentation slides in PowerPoint format, please contact Gregory Palmer at: Gregory.Palmer@ct.gov

Introducing *Concurrent* Pedestrian Phasing

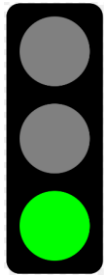
2,500+ Signalized Intersections Owned and Maintained by CTDOT

Pedestrian Control at signalized intersections falls into one of four categories:

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



Introducing *Concurrent* Pedestrian Phasing



Signal Faces for Parallel Motorists & Pedestrians

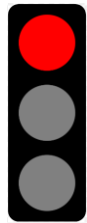


No Pedestrian Faces for the pedestrian crossing

Side Street Green Phasing

- Pedestrians cross the main roadway **while** parallel motorists have a **green ball** indication.
- The **green ball** indications are **shared** for motorists and pedestrians.
- Issues:
 - **Motorists think** they have right-of-way
 - **Pedestrians are unsure**³ when to cross

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Signals for
All Motorists

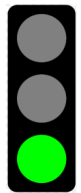


Pedestrian
Signal

Exclusive Pedestrian Phasing

- Pedestrians cross while all motorists have a **red ball** indication
- Separate **pedestrian signal** indications
- Issues:
 - Pedestrian compliance with pedestrian signal
 - Overall delay for pedestrians and drivers⁴

Introducing *Concurrent* Pedestrian Phasing



Signals for
Parallel
Motorists



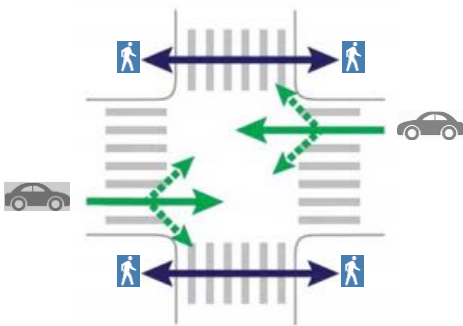
Pedestrian
Signal

Working toward **Concurrent (Green)** Pedestrian Phasing

- Pedestrians cross the main road while side street (parallel) motorists have a **green ball** indication
- Separate **pedestrian signal face**
- Benefits:
 - Clarifies to pedestrians & drivers when peds should cross
 - Increased pedestrian compliance
 - Reduced delay to peds & drivers

Introducing *Concurrent* Pedestrian Phasing

Concurrent



Signals for Parallel Motorists

**Turning Motorists
Yield to
Pedestrians**



WALK



Flashing Hand &
Countdown Time



Steady Hand

Signals for Parallel Pedestrians

Introducing *Concurrent* Pedestrian Phasing

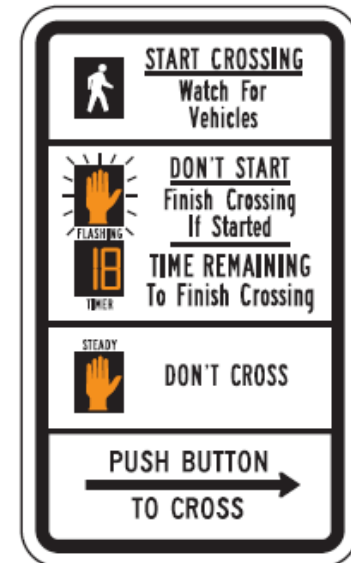
Transitioning to Concurrent Green

- **Pilot** projects
- **Signs** to alert **motorists**
- **Education** with Media Campaign



Leading Pedestrian Intervals (LPI)

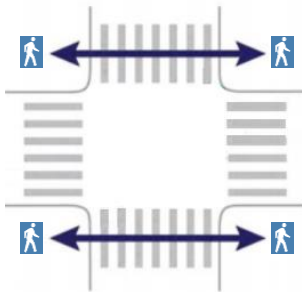
- **Proven safety benefit**
- To be used wherever possible in Concurrent Pedestrian Phasing
- **Establishes pedestrian presence** in crosswalk **“prior to”** providing green ball for motorists



Introducing *Concurrent* Pedestrian Phasing

Concurrent with *Leading Pedestrian Interval* (LPI)

1
Leading
Pedestrian
Interval
(4")



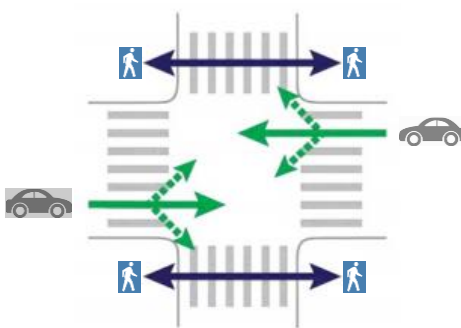
Signals for Parallel
Motorists



WALK

Signals for Parallel
Pedestrians

2
Remaining
Concurrent
Phase



Signals for Parallel
Motorists

**Turning Motorists
Yield to
Pedestrians**



Remaining
WALK



Flashing Hand &
Countdown



Steady Hand

Signals for Parallel Pedestrians