6th Ave and Houston St
Intersection Safety Improvements
2013
Existing Issues

- Heavy pedestrian crossing volumes
- Long crossings
- Poor visibility/yielding
- Heavy turning volumes
- Difficult to predict vehicle movements
Goals

- Heavy pedestrian crossing volumes
- Long E/W crossings
- Poor visibility/failure to yield
- Heavy w/b turning volumes
- Difficult to predict vehicle movements

- Improve pedestrian visibility
- Shorten crossing distances
- Separate vehicles and pedestrians
- Maintain w/b throughput
- Clarify w/b through and n/b right turn movements
1. Improve Pedestrian Visibility

Concrete extensions improve pedestrian visibility

Flashing yellow right turn arrow indicates vehicle/pedestrian conflict
2. Shorten Crossing Distances

- Pedestrian crossing across 6th Ave reduced 25 ft
- Crosswalk aligned directly across intersection
- Safety islands break up crossing and provide waiting area
3. Separate Pedestrians and Vehicles

w/b right turning vehicles are held with red arrow while pedestrians cross in completely conflict free crossing.

More than triple the protected crossing time on north crosswalk.

Pedestrians allowed to cross during Houston St phase.
4. Maintain W/B Vehicle Flow

- Double right turn lane formalized to allow two turning lanes to flow simultaneously.
- Phasing allows more time for w/b Houston St THRU movement.
- Right turns no longer conflict with pedestrians crossing.
5. Clarify Movements

Splitter islands allow pedestrians to clearly see which roadway drivers are choosing.

n/b right turn lane clarifies movement for drivers and pedestrians.
1. Create conflict free pedestrian phase in north crosswalk

2. Formalize double right turns from w/b Houston St onto n/b 6th Ave

3. Create n/b 6th Ave right turn only lane

4. Extend Houston St/Bedford St sidewalk into west crosswalk

5. Construct sidewalk extension from Houston St median into east crosswalk