Bump-Out Information

Broadway Avenue Infrastructure and Streetscape Project

September 10, 2012

Benefits

- Shorter cross-walks - less distance to cross the street
- Existing traffic signals on William Street and Clark Street can be removed and replaced with four-way stop signs
- Elimination of traffic signals will eliminate the "race to beat red light"
- Stop signs can be placed closer to traffic lanes - both walkers and drivers will have better visibility
- Narrowing of street at intersection will help slow traffic down
- Bump-out areas are located in areas that are largely unused pavement area - create space for benches and other amenities

Bump-Outs Cost Less

- Sidewalk in bump-out areas cost less than street pavement that would be required with no bump-outs:
  - Trading street pavement for sidewalk results in a slight decrease in cost per intersection with bump-outs vs. no bump-outs – approximately $3,000/intersection
  - Bump-outs reduce cost by an additional $3,000/intersection by reducing the crosswalk decorative paver length
- Replacement of the existing traffic signals if bump-outs are not provided would cost between $175,000 and $200,000 per signal system
- **Bump-outs save $360,000 to $420,000 in total project costs!**

Challenges

- Snow removal
  - Slightly more sidewalk at each intersection quadrant will require more snow removal
  - Snow removal along curb will be slightly more difficult for the City – large radii are planned to minimize impact
- Unused parking stalls adjacent to intersections that are currently used as "unofficial" right turn lanes will be eliminated with bump-outs, but there will be less waiting at intersections with four-way stop

Other Facts

- Intersection and bump-out configuration will be designed to accommodate delivery trucks and emergency vehicles
- No parking will be lost due to bump-outs and safe haven will be created for handicap parking
- Existing traffic signals are old and will need to be replaced if bump-outs are not constructed to provide for safe street crossing by pedestrians