Envisioning Needham Street

Modern Roundabouts
General Benefits

• Increased throughput
• Increased safety
• Reduced energy use
  – by motorists
  – v. signal
• Improved visual character
Specific Benefits

• Gateway(s) to the district
• Fix awkward intersections
• Promote a right-turn vision
• More attractive
Gateway

Diagram stolen from MIT student presentation
Normal Intersection

Left-turning traffic passes in front of each other
Because of the off-set intersection, left-turning traffic passes behind each other

There is a similar offset at Tower Road and Industrial Place
Christina/Oak with Roundabout

All traffic proceeds counter-clockwise around the roundabout, without conflict.
Left-turn Conflicts
Right Turns
A Right Turn
Roundabout Example