Principles

- Path as place
- Park experience
- Legible
- Add to the green
- Continuous bike facilities
- Easy for pedestrians and bicyclists
- Respect history
Develop Starter Ideas
Develop Starter Ideas
Roundabout Fundamentals
Traffic Circle (Rotary)

Mini-Traffic Circle

Modern Roundabout
After: Roundabout

Worcester, MA
Traffic Circle (Rotary) Before
Traffic Circle
(Rotary)
After
Traffic Circle
(Rotary)
After
Modern Roundabout

Mini-Traffic Circle

Modern Roundabout
Conflicts At a Four-Way Intersection

- 32 Vehicle to vehicle conflicts
- 24 Vehicle to pedestrian conflicts

Walkable Communities, Inc.
Burden and Wallwork, P. E.
Conflicts At Roundabouts

- 8 Vehicle to vehicle conflicts
- 8 Vehicle to pedestrian conflicts
Splitter Island & Pedestrian Refuge
Mountable Ring
Center Island
Yield Line
Bike Lane
Pedestrian Crossing
Bike Ramps
Yield to Vehicles in Roundabout
• Minimize impact on natural Topography
• Use vegetation and topo to create “views”
• Buffer undesirable views
• Open swale drainage & detention w/flumes
• Control access (only Framework street)
• Large development setbacks
Advantages

- Reduced crash rates and crash severity
- Reduced emissions
- Reduced speeding
- Vehicular design speed of 30 mph
- Efficient vehicular flow
- Inclusive of pedestrians & cyclists
- Low tech
- Attractive
- Less impervious surfaces
- No turn lanes/frees up space for...
- Make nice entrance features