

Standard Intersection

Orchard Lane Alternative #1

PROS

- 1 Maintains current turning movements
- 2 Barrier median increases safety for pedestrians
- 3 Clearer vehicle channelization than existing conditions
- * Lower construction cost
- * Smaller footprint
- * No right-of-way acquisition
- * No parking impacts on Orchard or Walnut

CONS

- 1 Right-turn only out of driveway
- 2 Does not eliminate overlapping paths for Walnut leg
- 3 Large number of vehicle conflict points
- 4 Remains difficult for pedestrians to cross Happ Road
- 5 2 Parking spaces to be removed
- * Existing two-way stop is confusing for motorists on Happ Road
- * High delays for vehicles turning onto Happ from Orchard

● Vehicle conflict points (22 total)

Roundabout

Orchard Lane Alternative #2

PROS

- 1 Substantially safer for pedestrians to cross Happ Road
- 2 Reduces number of vehicle conflict points
- 3 Simplifies turning movements
- 4 Approximately 4-5 parking spaces to be added
- * Endorsed by Village Police and Fire Department
- * Increased downtown visibility
- * Improves safety of access to Walnut Street
- * Reduces delays for cars turning onto Happ from Orchard and Walnut
- * Provides for downtown area continuity connecting east and west sides of Happ Road
- * Allows for aesthetic enhancements

CONS

- 1 Right-turn only out of driveway
- 2 Approximately 3-4 parking spaces to be reconfigured
- 3 Approximately 0-3 parking spaces to be removed
- 4 Approximately 8-10 parking spaces to be removed
- 5 Approximately 1-4 parking spaces to be removed
- 6 Approximately 8-10 parking spaces to be removed
- 7 2 parking spaces to be removed
- * Drivers not accustomed to roundabout operation
- * Higher construction cost
- * Requires larger footprint and right-of-way acquisition

● Vehicle conflict points (14 total)

