

Towns of Guilderland & Princetown Route 20 Corridor Study Watervliet Reservoir Intersection (20 & 158)



Existing Conditions:

- Signalized Intersection
- Right Turn Lane on Route 20 Westbound
- Approximately 90' average right-of-way at intersection
- Two ~12' travel lanes
- 2-5' shoulders
- No sidewalks
- No crosswalks

Intersection Capacity:

AM Peak: LOS A

PM Peak: LOS B

LOS=Level of service

A: < 10 sec delay/vehicle

B: 10-20 sec delay/vehicle

Problems:

- Accident rate of 0.82* is higher than state average of 0.59
- Primary accident is right angle type; caused by failure to yield
- High number of driveways west of the intersection

**accidents/million vehicle miles*

Short-term Alternatives:

- Add signage to alert motorists that they are approaching the intersection
- Reduce lane width from 12' to 11' with re-striping
- Add crosswalks

Long-term Alternatives:

- Reconfigure intersection with roundabout
- Reconfigure roadway with:
 - 11' travel lane
 - 4' separated shoulder
 - 6' sidewalk



View across intersection from southeast to northwest



Mix of commercial and residential properties surrounding intersection

Land Surrounding Watervliet Reservoir

For conceptual planning purposes only

Land use/Aesthetic Alternatives:

- Interpretive features at southeast corner of intersection - connections to reservoir
- Potential commercial use of southwest corner - such as farm stand
- Connections to Guilderland Town Hall - possible sidewalk connection



View from west to east



View from east to west