

Route 8 Concept Plan and Operations Analysis
Dover/Kent County MPO
April 18, 2007

List of Alternatives

Assumption: Analyzed future traffic with high school and proposed church in place

Common Improvements for Alternative 1 and 2

- Realign Artis Drive
- Add two points of access for new high school with signal at Stoney Drive.
- Create new road connection from Route 8 to Artis Drive and Hazletville Road
- Create interconnections with high school street network
- Change the east-west left turns at Mifflin Road, Kenton Road, Independence Road and Saulsbury Road intersections to protected only movement.
- Add EB RT storage lane @ Mifflin Road intersection
- Provide an on-road bike lane through all intersections along Route 8
- Install crosswalks and handicap ramps and pedestrian signals at all signalized intersections
- Improve existing shared use path on north side of SR 8 and extend path from Kenton Road to Mifflin Road
- Create two-way connection between McDonalds and Kenton Road Shopping Center
- Add outside shoulders on Route 8 from Mifflin Road to Saulsbury Road
- Incorporate landscaping and streetscaping elements into plan
- Create interconnections between properties along Route 8 – including from Wawa to Independence Blvd. and Independence Blvd to Bennington Street.
- Update transit stops with concrete pads and benches

Alternative 1

- Construct shared use path from Artis Drive to Mifflin Road
- Provide new roadway connection from Chestnut Grove Road to Hazletville Road
- Construct landscaped from west of Mifflin Road to Saulsbury Road
- Add 2nd EB left turn lane at Kenton Road
- Construct a connector road behind the Gateway West Shopping Center connecting Saulsbury Road with Modern Maturity intersection.
- **Alternative 1a (in addition to Alternative 1 improvements)**
 - Install additional through lane in both directions on Saulsbury Road
 - Reduce the length of the NB LT lane to 250'
 - Change LT phasing on Saulsbury Road to Protected/Prohibited
- **Alternative 1b (in addition to Alternative 1 improvements)**
 - Maintain geometry as in Alt 1 and Protected/Permissive phasing on Route 8
- Create connection with Commerce Way and Mifflin Road
- Install signal at Forest Street

Alternative 2

- Construct sidewalk from Artis Drive to Mifflin Road
- Construct connector Road between Kenton Road and Independence Blvd
- Maintain center turn lane from west of Mifflin Road to Saulsbury Road; widen to create outside shoulder
- Construct additional through lane in both directions on Saulsbury and double LT bays on both NB and SB Saulsbury Road in lieu of new interconnection to Modern Maturity Center
- Construct roundabout at Forest Street/Route 8 split

Alternative 3 – No Build