



East Montpelier Alternatives Work Session - September 12, 2017

NOTES

Alternatives

A. Towne Hill Road Modifications

1. Reduce grade on Towne Hill Road east of the intersection to create longer sight distances.
2. Convert the intersection to a roundabout.
3. Increase shoulder widths on Towne Hill Road
4. Install rumble strips on Towne Hill Road.
5. Narrow the roadway width on Town Hill Road near the intersection via center medians and/or "side islands."
6. Construct a raised table intersection.
7. Add west bound left-turn lane on Towne Hill Road. *
8. Add east bound right-turn lane on Towne Hill Road. *
9. Install exclusive right-turn lane on Gallison Hill Road.*

* These alternatives were initially eliminated during the work session, but the L&D Team thinks it would be better to do an evaluation so that if they are again eliminated, there will be a more objective basis for the removal.

B. Towne Hill Road Enhancements

1. Install a traffic signal to the intersection.
2. Update existing and/or add additional signage.
3. Install intersection street lights.
4. Add a painted crosswalk on Towne Hill Road.
5. Add a Rectangular Rapid Flashing Beacon sign for the crosswalk at the intersection .
6. Reduce the speed limit on Towne Hill Road.
7. Install vehicle-activated blinker signs.
8. Install vehicle-activated flashing warning beacons.
9. Install "Heavy Traffic at Intersection" warning signs with blinkers that activate only when there IS traffic.
10. Install multi-way stop signs.
11. Add properly signed GMT bus stop.

12. Add GMT bus pull off.

C. Gallison Hill Road Modification & Enhancements

1. Increase shoulder width on Gallison Hill Road.
2. Narrow Gallison Hill Road with curbs or other devices.

D. Other Alternatives

1. Increase summer and winter roadside maintenance.
2. Increase police patrols along Towne Hill Road near the intersection.

Eliminated Alternatives:

1. Create a paired one-way road system between Gallison Hill Road and Schoolhouse Road.
2. Make Schoolhouse Road one-way north.
3. Work with U-32 to get more students to use the bus to reduce the number of students driving through the intersection.
4. Work with U-32 to get more students to car pool.
5. Install raised crosswalks on Towne Hill Road at the intersection.
6. Add sidewalks near the intersection.
7. Install flashing warning beacons.

Evaluation Factors:

1. PROJECT DESCRIPTION

- a. Additional Right-of-Way Needed
- b. Amount of New Paving Installed
- c. Number of New Signs Installed
- d. Number of Permanent Easements Needed
- e. Number of Construction Easements Needed
- f. Significant Physical Constraints

2. Attributes

- a. Addresses Purpose and Need
- b. Creates Longer Sight Distances
- c. Benefits Motorists, Bicyclists, and Pedestrians
- d. Reduces Crash Potential
- e. Induces Higher Travel Speeds
- f. Encourages Slower Travel Speeds

- g. Requires Additional Town Maintenance Efforts and/or Costs
- h. Requires Power
- i. Creates Angry Drivers
- j. Is Conducive to Future Growth
- k. Order of Magnitude Cost (For Comparison Purposes Only)

3. Environmental and Cultural Impacts

- a. Wetland Impacts
- b. Wetland Buffer Impacts
- c. Tree Removal
- d. Steep Slope Disturbance
- e. Adverse Historic Resource Impacts
- f. Utility Pole Disturbance
- g. Stormwater System Disturbance
- h. Stormwater Quantity or Quality Impacts
- i. Residential Impacts
- j. Traffic Increases on Nearby Roads
- k. Potential for Future Walking & Bicycling Improvements
- l. Other Potential Impacts