



Poplar Bridge Neighborhood TRAFFIC STUDY

SAC Meeting
12/10/07



Strategy to Address Problems

A “3-Tiered Approach”

- Regional System Improvements
- Arterial Roadway and Intersection Improvements
- Neighborhood Traffic Management Improvements

Regional System Improvements

- I-494 near the study area is heavily congested during the peak periods
- Additional capacity to I-494 would move longer trips back to the regional system
- The City of Bloomington should continue to support near and long term improvements to I-494 by Mn/DOT and efforts to identify funding for these improvements

Arterial Roadway and Intersection Improvements

- Roadway and intersection improvements should be considered to eliminate the time incentive for motorists to divert to local streets.

Arterial Intersection Improvements

- Normandale Boulevard/West 84th Street
- Normandale Boulevard/Poplar Bridge Road
- France Avenue/West 84th Street
- France Avenue/West 90th Street

Arterial Roadway Improvements

Options to consider for West 84th Street

- Current four-lane section – “Do Nothing”
- Current four-lane section
 - Removal of traffic signal at Stanley Avenue
- Modify to three-lane section
 - Removal of all-way stop control at Quinn Avenue and Morris Avenue
 - Removal of traffic signal at Stanley Avenue

Neighborhood Traffic Management Improvements

- To address neighborhood traffic safety concerns, three broad approaches are generally considered:
 - Education
 - Enforcement
 - Engineering
- For long-term benefits, engineering methods are generally the most effective

Traffic Management – Volume Reduction

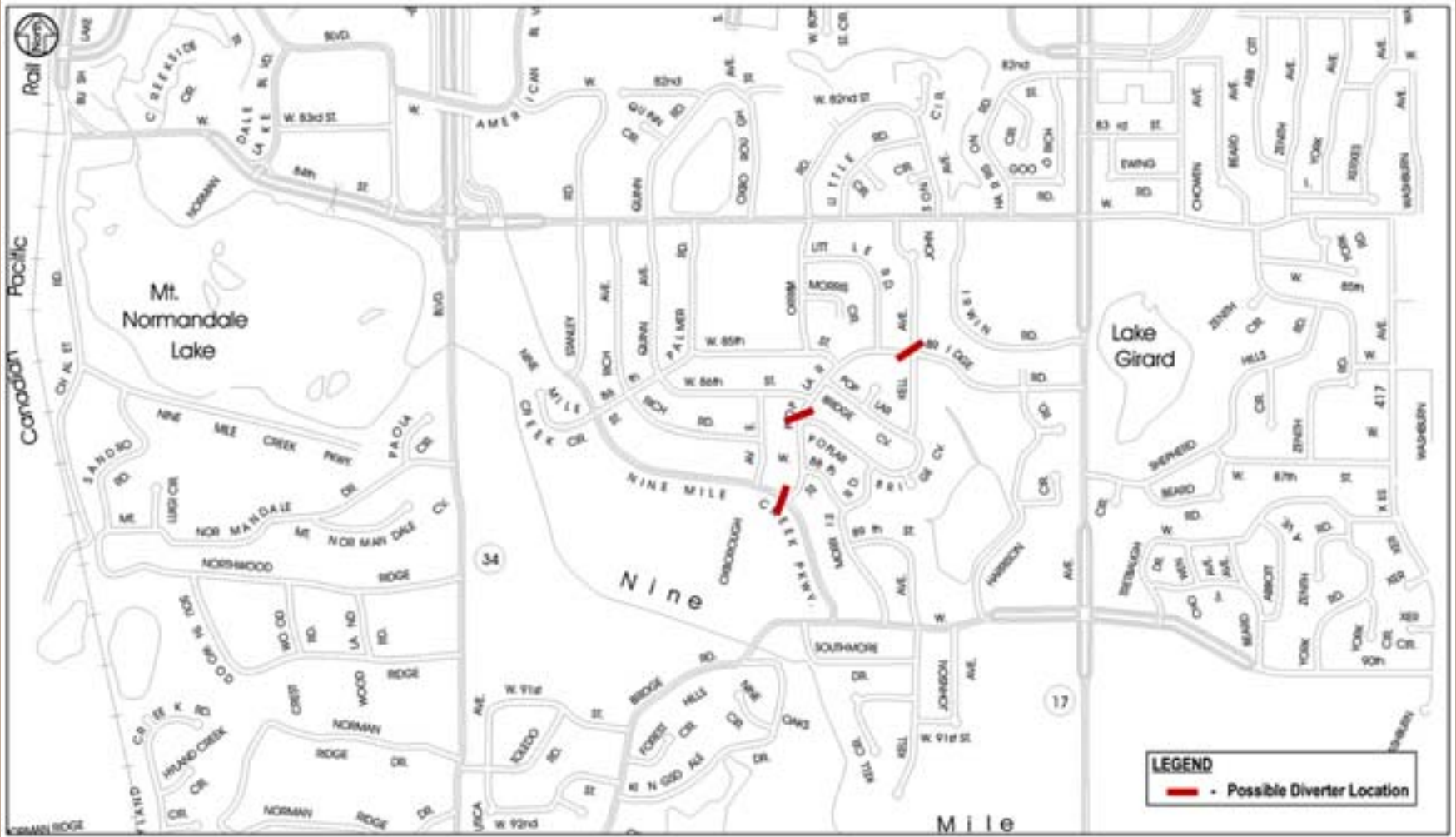
- Reduce convenience/
lengthen travel time
by diverting travel
path



Turn Restrictions

Partial Closure

Example of Diverter-Type Solution



Traffic Management – Speed Reduction

- Reduce speed and lengthen travel time by “narrowing” road from outside



Neckdown



Choker

Traffic Management – Speed Reduction

- Reduce speed and lengthen travel time by “narrowing” road from the center



Traffic Circle

Center Island

Traffic Management – Speed Reduction

- Reduce speed by brief rises in pavement surface



Raised Intersection

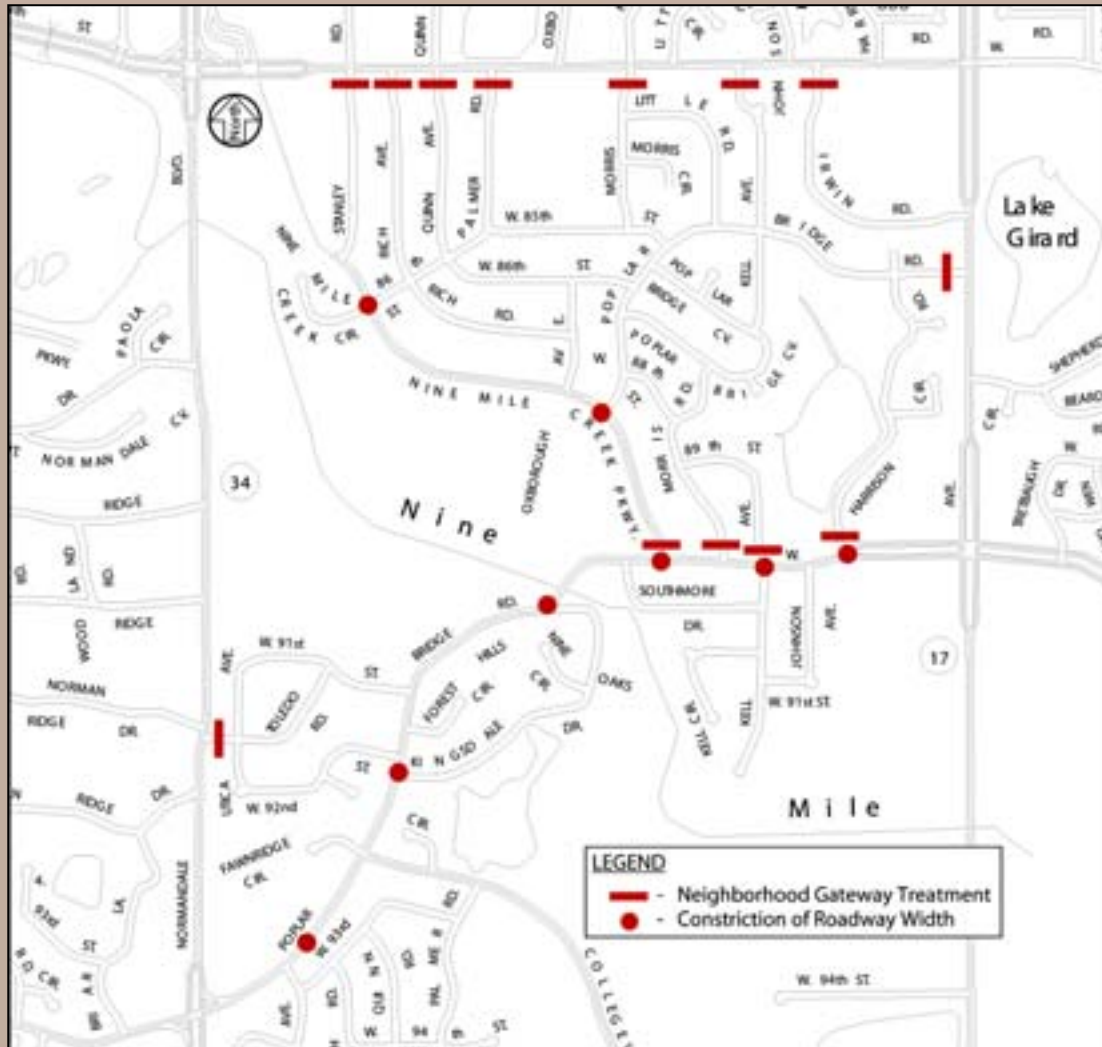


Speed Hump



Speed Table

Example of Constrictor-Type Solution



Traffic Management – Education/Enforcement

- Raise awareness



Speed Trailer



Pedestrian Flashers