

# Project Report

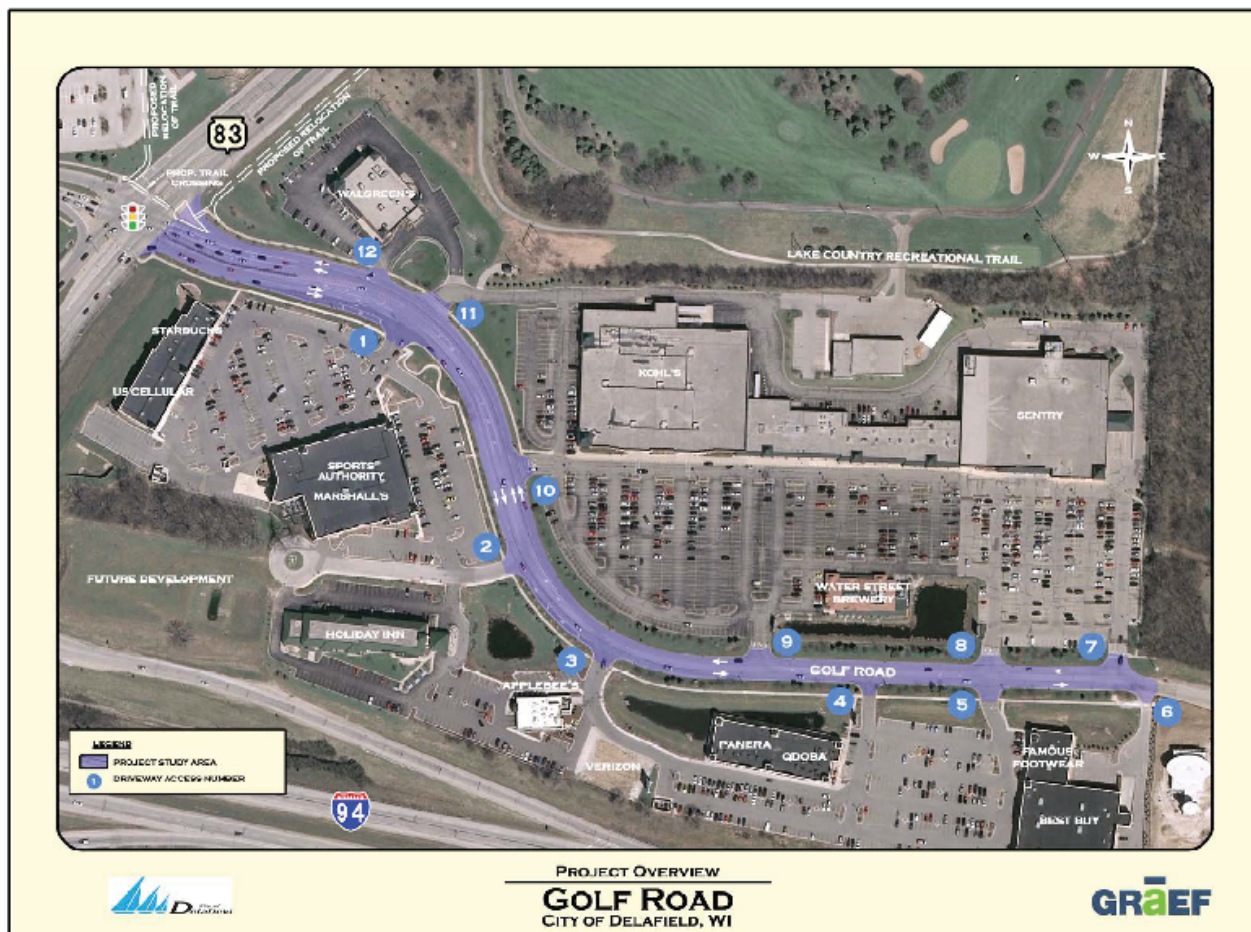
April 27, 2010

## Golf Road Traffic Improvement Feasibility Study

### Project Description

The City of Delafield plans to resurface or reconstruct the 0.45 mile section of Golf Road between STH 83 and the eastern city limits due to deteriorating pavement condition. The study area includes a heavily commercialized locale consisting of numerous large-box retailers, a grocery store, a pharmacy, a bank, several restaurants, a hotel and various specialty service providers. Golf Road provides four travel lanes on the west section of the project (near STH 83) and narrows to a two-lane roadway with a two-way left-turn lane (TWLTL) on the east portion of the project. East of STH 83, Golf Road currently carries 18,200 vehicles per day with a posted speed limit of 30 miles per hour.

The purpose of this feasibility study is to evaluate options to resurface or reconstruct Golf Road. The study is balancing the specific needs of the corridor including: traffic capacity and operations, pedestrian and vehicle safety, truck turning, bicycle accommodations and access. The project also evaluates the construction cost estimates associated with each alternate and investigates opportunities for funding.



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[www.cityofdelafield.com](http://www.cityofdelafield.com)

All displays shown at this meeting will be available on the website.



## Meeting Focus Topics:

- **Existing Safety & Traffic Operational Concerns:** The project team has received comments regarding the safety and intersection sight distance for specific locations. The Golf Road crash rate exceeds the state wide average. Currently there are operational deficiencies for left-turn movements exiting at driveways 1, 2, 10 and 12 during the peak hours.
- **Feasibility Consideration:** The following elements were considered throughout the feasibility phase of the study:
  - Access Management
  - Improve Geometric Deficiencies
  - Pedestrian & Bicycle Accommodations
  - Intersection Control
- **Alternatives:** The following alternatives have been identified for further evaluation:
  - Low Build** – resurfacing with minor widening and access restrictions at driveways 1 and 12
  - Medium Build** - reconstruction to provide a raised median and bicycle accommodations
    - Access restrictions at driveways 1, 3, 4 and 12.
    - Traffic Control Options – Traffic Signal & Roundabout
  - High Build** – full reconstruction including lowering the crest vertical curve to improve intersection sight distance and providing a raised median and bicycle accommodations
    - Stop Control Option – access restrictions at driveways 4, 10 (optional) and 12
    - Traffic Signal Option – access restrictions at driveways 1, 3, 4, 10 and 12
    - Roundabout Option – access restrictions at driveways 1, 3, 4, 10 and 12

*Optional Improvements include a backage road, bicycle lanes and a multi-use path on the south side of Golf Road.*
- **Construction Cost Estimates:** Preliminary cost estimates have been developed for the alternates/subalternates and optional improvements.
- **Funding:** The team is researching municipal, private/public partnership and WisDOT programs to assist with funding the improvement project.

## Contact information:

### Golf Road Traffic Improvement Feasibility Study

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## Next Phase

Questions and comments presented today will be evaluated and considered during this alternatives analysis portion of the project. GRAEF will be working with the City to identify the preferred alternate. Presentation of the preferred alternate to the Common Council is anticipated to occur in June/July of 2010.