



Regional Traffic Signal Operations Improvements – 2007 Fact Sheet

Scope

- Cooperative project with City of Reno, City of Sparks, Washoe County, NDOT, FHWA
- 165 intersections to be retimed by May 2007
- Last regional signal retiming completed in 1999

Signal retiming

- Traffic count data, including 7-day and 2-day directional traffic counts, and peak period detailed traffic counts
- Analysis of existing signal operations, recommendations for improvements
- Development of a regional computer analysis network
- Implementation and fine-tuning of optimized timing plans
- Measurement of before and after travel time and delay

Public Outreach

- Central complaint database
- Webpage with answers to frequently asked questions and project status
<http://www.iterisprojects.com/northernnevada/>
- Group meetings
- Video and print brochure explaining traffic signal operations

Additional Elements

- Outline of geometric improvements beyond signal retiming needed to meet regional level of service (added turn lanes, through lanes)
- Training for agency staff
- Cooperative program with the University of Nevada, Reno to develop research and training opportunities
- Design of selected traffic signal system improvements

Future plans

- Annual traffic counting program
- Annual signal retiming – approximately $\frac{1}{3}$ to $\frac{1}{2}$ of regional signals annually (National guidelines recommend retiming each intersection every three years)
- Regional cooperation on traffic operations – incidents, construction, freeways, signals, message signs, video surveillance

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