Engineering Countermeasures to Reduce Red-Light Violations and Related Crashes

In U.S.
- 125 red-light crashes/hour, 1 fatal crash/22 min
- $10 billion annual cost

ITE Toolbox
- No quantitative info. on countermeasure effect
- No guidance on how to identify problem locations

Objective
- Develop Handbook for engineers
- Collect data, develop tools to address limitations of ITE Toolbox for range of engineering countermeasures (e.g., signal visibility, conspicuity, signal timing, etc.)
- Evaluate innovative technologies (e.g. all-red extension, active warning devices, etc.)