

2040 COOK COUNTY LONG RANGE TRANSPORTATION PLANNING SERVICES

CLIENT:
URS Corporation

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CONTRACT:
Cook County Transportation Department 12-88-332
Total Contract: \$1.3 million
DAMA Sub-Contract: \$75,140

PROJECT PURPOSE:

- Identify Top 25 Highest Crash Incident Locations
 - Evaluate Potential Causes of Crashes
 - Recommend Possible Mitigation Measures
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DAMA was engaged to identify the Top 25 Highest Crash Incident Locations in Cook County. DAMA utilized a safety analysis developed by County staff to identify safety recommendations to incorporate into the 2040 LRTP. The task was not a detailed intersection safety analysis. However, it was a high level analysis that generally identified potential crash causes and possible mitigation measures

DAMA analyzed high crash incident locations and assessed Crash Reduction Factors (CRFs) and Safety Performance Functions (SPF) for each location. These factors were matched with conditions in the AASHTO Highway Safety Manual (HSM). The AASHTO HSM provided possible mitigation measures for identified conditions at the high crash incident locations.

DAMA also proposed policy changes to improve engineering safety by incorporating the Safer Roads Index (SRI) to evaluate historical safety risks.

