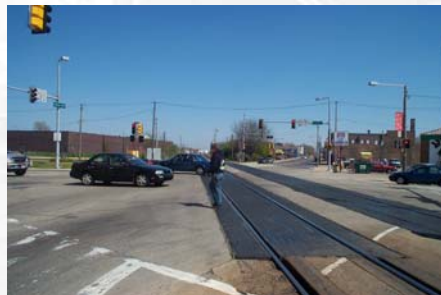


Illinois Route 38 and Illinois Route 23 Intersection Alternative Study

In downtown DeKalb, Illinois, the intersection of Illinois Route 38 and Route 23 has a two-track railroad crossing running diagonally through its center. For many years, motorist and pedestrian safety as well as vehicle capacity have been of concern at this location. Because of the geometry of the intersection, turning trucks often conflict with other traffic and are forced to sit across the train tracks, which carry more than 75 trains per day. After a recent truck / train collision IDOT took steps to implement safety improvements, designing an increased right-turn radius in the northeast quadrant of the intersection.



RJN Group, Inc. is under contract to develop a feasible recommendation for improving safety and capacity at the intersection and associated railroad crossing.



Feasible solutions must consider impacts to land use and travel patterns in DeKalb, must be acceptable to the City of DeKalb, and must be cost-effective. Additional considerations include truck routes and roadway jurisdiction.

RJN will perform preliminary engineering services to develop the long-term solutions for safety and capacity at this location. Options considered in addition to geometric revisions at the intersection include grade separations, truck restrictions, bypass routes, and one-way restrictions and/or turning restrictions at the intersection.

The following services will be provided by RJN:

- Traffic studies
- Geometric studies
- Public coordination and involvement
- Survey (by subconsultant)
- Cost / benefit analysis for alternate selection process
- Environmental studies
- Accident analysis
- Pavement analysis

RJN was uniquely qualified to complete this project because of its Phase I engineering experience, extensive public involvement and multi-agency coordination ability / experience, and its relationship with IDOT, District 2.