



PROBLEM STATEMENT EXAMPLES

75th St. Corridor Improvement Program, Chicago

Existing conflicts between rail lines and rail junctions that are too closely spaced cause congestion and delays for rail traffic in the 75th St. CIP study area. These conflicts also interfere with roadway traffic, particularly at the 71st Street road-rail crossing. In addition to creating back-ups that force both trains and cars to idle, these conflict points create safety concerns, noise and air quality problems, and negatively affect the capacity and reliability of Metra transit service. The conditions of the existing viaducts also limit bicycle and pedestrian mobility and adversely affect neighborhood aesthetics and the residents' sense of security.

Grand Crossing Project, Chicago

Primary: Indirect/inefficient City of New Orleans-Illini-Saluki route

- All trains on this route must back into Union Station
 - o Ties up other lines
- Amtrak trains are subject to delay at the heavily congested 16th Street Interlocking
 - o Affects Amtrak on-time performance
 - o Contributes to congestion

Together, these issues lengthen the schedule by 19 minutes

U.S. Route 14 at CN/EJ&E Railway Grade Separation, Barrington

- Daily rail crossing delays will more than double by 2015 as a result of additional CN freight trains.
- Increases in crossing delays will further hamper emergency services.
- Increases in vehicle exposure to trains increases the potential for vehicle-train crashes.
- Pedestrian and bicyclist mobility within the project limits is perceived as difficult and hazardous. Increasing train volumes will further diminish safety.

47th Street at East Avenue, LaGrange

The intersection of 47th Street at East/Eberly Avenue currently experiences transportation problems including congestion, safety concerns, and traffic delays. With a forecasted increase of approximately 24% in traffic by the design year 2040, these issues will likely be compounded.

Operational issues at the four-way stop controlled intersection currently result in congestion and high delay times. The delay times are exacerbated during train crossing events due to the two adjacent railroad crossings. The congestion around the intersection results in motorist delays, encourages traffic to cut through residential areas and prevents efficient access to local businesses, residences and parks.

The intersection has been identified in IDOT's Annual Five Percent Reports for 2008 through 2012 which lists locations experiencing a higher crash occurrence/severity rate when compared to similar locations across the state.

A sidewalk is only present on the north side of 47th Street east of the intersection and on the east side of Eberly Avenue. The limited amount of multi-modal accommodations does not promote the use of alternative modes of transportation and is not conducive to pedestrian safety.

The existing configuration and stop control condition of the 47th Street at East/Eberly Avenue intersection negatively impacts the safety and mobility of local residents and the business community, as well as commuters passing through the site daily.