

TRAFFIC IMPACT ANALYSIS - ISLAND CITY INDUSTRIAL PARK WILMINGTON, ILLINOIS

The project involved the preparation of a Traffic Impact Analysis for Joliet Arsenal Development Authority (JADA) who had proposed to develop a 1,076 acre site located just north of South Arsenal Road and east of Illinois Route 53, approximately one mile north of the Peotone Road / IL Rte 53 intersection in Wilmington, Will County, Illinois. The proposed developments included 756 acres dedicated for warehouse or high-cube warehouse use, 300 acres used for training center facility, and 20 acres for a small industrial campus to include a manufacturing facility.

Site access is significantly restricted due to the surrounding Midewin National Tallgrass Prairie and the federal legislation that restricts construction of new roads through this National Prairie. This limits access for the entire parcel to South Arsenal Road.

The analysis evaluated the anticipated traffic impacts to the surrounding adjacent routes resulting from the proposed site development and provided guidance on the design of the roadway access system. Site generated trips were distributed from South Arsenal Road to the local and regional roadway system which included Interstate 55 (I-55), IL Rte 53 and Peotone Road (both Strategic Regional Arterials), and several county, township, and municipal routes including New River Road, Riley Road, Indian Trail Road, and Old Chicago Road.

The intersection of South Arsenal Road / IL Rte 53 was also analyzed as well as the intersection of IL Rte 53 / New River Road (which serves as the primary access route for I-55), the intersection of IL Rte 53 / Peotone Road, and other minor intersections directly affected by the proposed project. The final report included a description of existing conditions, data collection and analysis, evaluation of data, and conclusions and recommendations.

Service Provided:

- Traffic Counts
- Intersection Capacity Analysis
- Trip Generation Analysis
- Signal Warrants
- Cost Estimates

This project reflects Firm
and Staff experience.



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