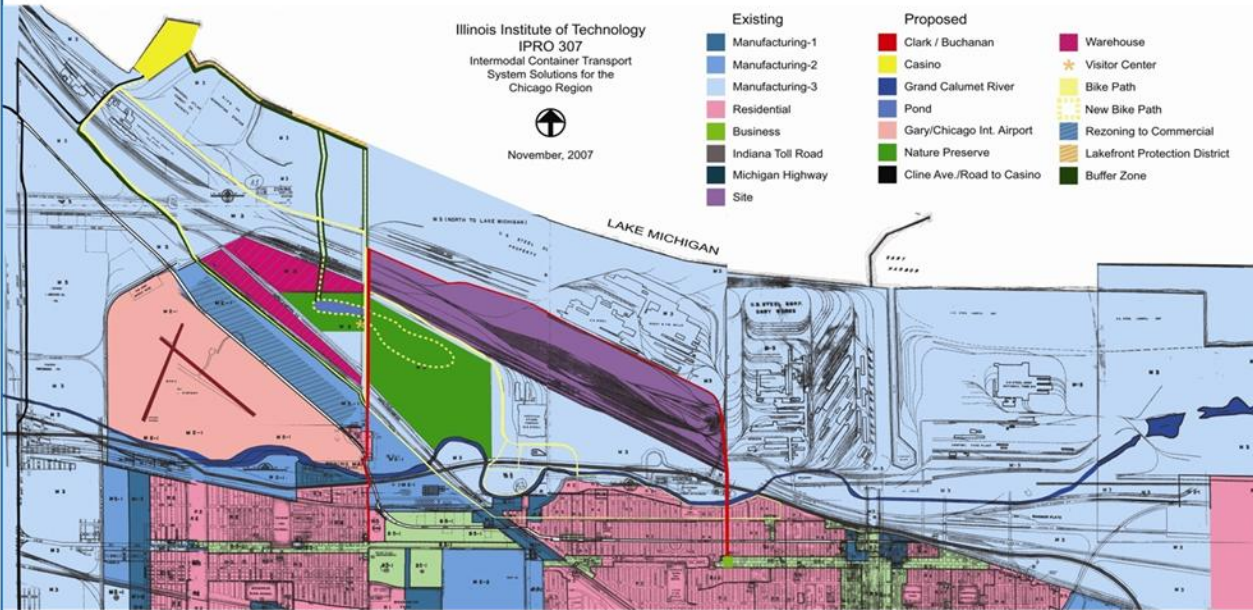


# IPRO-307



Zoning Plan



The IPRO-307 Team

## IPRO-307

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IPRO-307

Illinois Institute of Technology

## Intermodal Container Transport System Solutions for the Chicago Region





Our IPRO is about rezoning and reactivating surrounding parts of an existing railyard in response to recent development projects that are underway in Gary, Indiana. Our project was sponsored by Mi-Jack Products, Inc., a company that manufactures container handling equipment. A Mi-Jack crane is featured on the cover of this brochure.

Our goal was to turn the railyard just north of the US-12 and I-90 junction into an intermodal railyard capable of handling two trains a day or one million lifts a year. We accomplished this by creating a new site plan that supports the increased commercial and residential traffic. This site plan includes a new zoning map, a plan for a new bridge crossing the yard, a visitor's center and nature trail, and a software solution to keep intermodal truck traffic moving smoothly through not only the yard, but the whole area.

### Zoning Plan

The zoning plan recognizes and incorporates future projects that are currently under development in the surrounding regions. The proposal includes rezoning near the airport for anticipated commercial developments and a nature preserve within the city accessible by bike path. A larger picture of the zoning map is provided on the back cover.

### Clark Road Bridge

The purpose of the Clark Road Bridge is to elevate traffic in order to make it safer and more efficient to cross the intermodal



Proposed Bridge Design

yard. The bridge would incorporate elements of the surrounding area; the side facing the steel plants would be showing a steel framework, whereas the side facing the nature preserve would have a hanging garden the trains would pass through. The bridge would allow easier access to the nature preserves and casinos on the shoreline, as well as efficient access to the intermodal yard for the intermodal trucks.

### Visitor's Center

A visitor's center would be located within the nature preserve, providing scenic views of the intermodal yard, the lake, and Chicago.

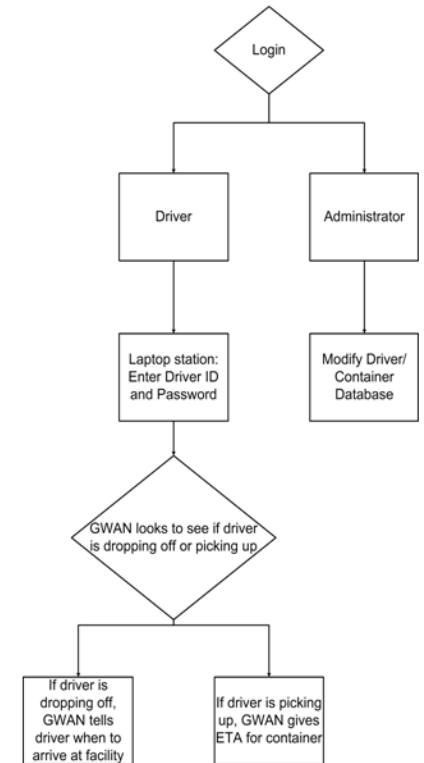


Proposed Visitor's Center Design

The visitor's center would also have a exhibit hall detailing the history of the area, as well as restroom facilities for weary bikers and hikers.

### Gary Wide Area Network

The Gary Wide Area Network, GWAN for short, is a full featured software solution allowing intermodal truck drivers to log in and see when their assigned container is scheduled for pickup or delivery. This keeps idle trucks out of the busy and often crowded yard, freeing up space in order to increase the efficiency of movements. This also has the side effect of reducing emissions in the immediate yard area, helping to keep the environment clean.



GWAN Flowchart