

IPRO-307

Intermodal Container Transport System Solutions for the Chicago Region

Illinois Institute of Technology
Fall 2007

- Recent events in Gary
 - Renovated Airport
 - Casino Development on lakefront
 - Continuing Changes in industry – steel & mfg
 - Tax rate revisions
- Canadian National (CN) proposed purchase of Elgin, Joliet and Eastern (EJ&E) railroad
- Drastic increases in intermodal traffic, doubling every ten years



Purpose of this IPRO

- Upgrade existing rail yard for intermodal operation
- Encourage economic development in the surrounding area
- Activating a nature preserve with visitor's center and bike path for recreation
- Provide safe and efficient passage for commercial and recreational traffic over rail yard and mainline
- Reduce idling traffic in already crowded areas

Objectives

- **Mi-Jack Products, Inc. Sponsor**
 - Peter Mirabella, Representative
- **City of Gary Chamber of Commerce**
 - Len Pryweller
 - Adrian Muhammed
- **CSX Railroad**
 - Final Technical Review
- **Union Pacific Railroad**
 - Sponsored field trip to Global 1 facility
- **Eight hours per week per member**

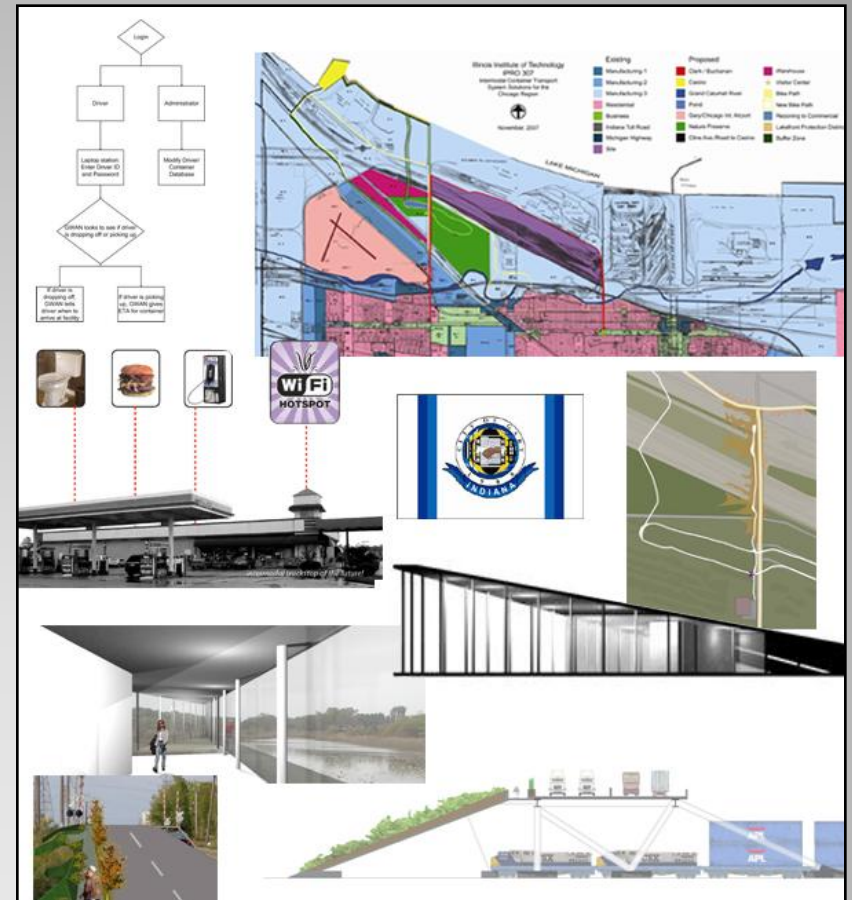


Resources

- Problems Encountered
 - CN buyout of EJ&E
 - Resolving zoning map colors
 - Bridge height and grade
 - Focus design on zoning, bridge, etc.
- Alternate Solutions
 - Giving up
 - Alternate Cities
 - Joliet
 - Crete
 - Coal City

Problems and Alternate Solutions

- New Zoning Proposal
 - Warehouse
 - Commercial
- Track work proposal and estimations
- Design for bridge spanning intermodal yard
- Visitor's center concept and bike path for nature preserve
- GWAN software solution
- Business & Cost Plan
- Presentation to Gary Roundtable

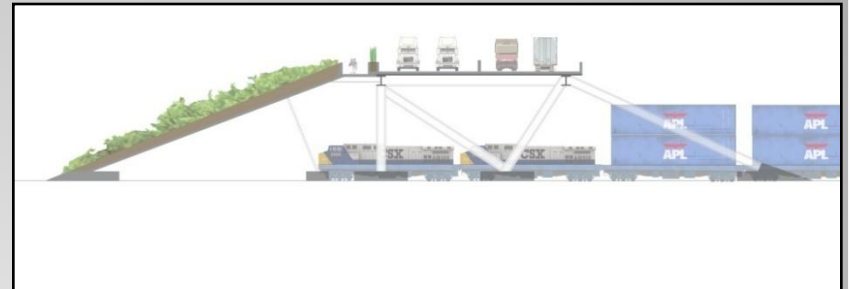


Final Solutions

- Preserving natural beauty of existing area
- Local approval and synergy
- Union labor
- Zoning regulations
- Building codes
- Tailoring deliverables for sponsor and IPRO office

Ethical Considerations

- Renovated yard able to keep up with demand
 - Two trains a day or
 - One million lifts/year
- Safer and more efficient truck access
- Reduced idle truck traffic (GWAN)
- Increased commercial development



Industry Benefits

- Separation of Residential from Industrial
- Recreation
 - Bike Path
 - Nature Preserve
- Safe and easy access to lakefront and Casinos
- New jobs
- Tax Revenue



Community Benefits

- Objectives Met
 - Rail yard upgrade
 - Economic Development
 - Nature Preserve
 - Bridge
 - GWAN
 - IPRO deliverables
- On time and On budget

Project Plan

Introducing...

- Site Plan Team
 - Zoning
 - Building code checks
 - Estimates
- Built Environment Team
 - Bridge
 - Visitor's Center
 - Bike Path
- Business Team
 - GWAN development
 - Business Plan
- IPRO Deliverables Team

Team Roles



Thank You