PROBLEM STATEMENT

OUR GOAL IS TO RESEARCH THE IMPACT OF OPENING AN INTERMODAL FACILITY IN JOLIET, ILLINOIS. COLLABORATING WITH MI-JACK, WE WILL ALSO LOOK AT CURRENT AND FUTURE LAYOUTS AND TECHNOLOGIES OF INTERMODAL YARDS IN ORDER TO INCREASE EFFICIENCY.

OBJECTIVES

1. ANALYZE THE IMPACT OF PEAK OIL
2. RESEARCH ALTERNATIVE FUEL SOURCES AND IDENTIFY THEIR APPLICATIONS
3. MAP THE PROPOSED FACILITY
4. COMPARISON OF PATHFINDER TECHNOLOGY TO TRADITIONAL LAYOUTS
5. CREATE A COMPUTER PROGRAM THAT CAN BE USED TO TEST THE EFFICIENCY OF AN INTERMODAL FACILITY LAYOUT
6. DEVELOPE AN ANIMATED VIDEO TO VISUALIZE HOW A FACILITY FUNCTIONS
7. PROPOSE A DESIGN FOR AN ALTERNATIVE FUEL STATION LOCATED ADJACENT TO THE INTERMODAL FACILITY
CONCLUSIONS

THE PROCESS OF ORGANIZING AN INTERMODAL FACILITY IS DELICATE IN ORDER TO ACHIEVE MAXIMUM EFFICIENCY IN A SYSTEM THAT IS SENSITIVE TOWARDS EVERY MOVEMENT BEING PLANNED AND PROFITABLE. IF WE CONTINUE TO CONSUME OIL IN THE SAME WAY WE HAVE IN THE PAST, THE PROJECTED DATE WHEN WE WILL RUN OUT OF OIL IS 2036. IT IS THEREFORE ESSENTIAL TO BEGIN THE IMPLEMENTATION OF ALTERNATIVE FUELS SUCH AS THE ONES RESEARCHED IN OUR CHART. IN ORDER TO PROMOTE THE USE OF ALTERNATIVE FUELS, IT IS IMPORTANT TO INCLUDE THE PLAN FOR STATIONS THAT WOULD ACCOMODATE SUCH FUELS.

SPECIAL THANKS TO:
EVERYONE WORKING ON THIS PROJECT...
...WE’RE ALL IN IT TOGETHER

TEAM MEMBERS
KONSTANTIN BALAKIREV
RYAN BEAU-LUBY
JOHN BOUKIDIS
MATTHEW CARGILL
DAVID DZIUBA
MATTHEW KEHOE
BRYAN SLONSKI
MELAT TESFAYE
MATTHEW WIESE
CHRISTOPHER WISEMAN
JOEL ZOOK

TEAM MEMBERS
LAURENCE ROHTER

IPRO 307
DEPARTMENT OF SOCIAL SCIENCES
SIEGEL HALL - ROOM 116
3301 S. DEARBORN STREET
CHICAGO, IL 60616
HTTP://WWW.IIT.EDU/~IPRO307S09/
PHONE: 312.567.5128