

## CLIENTELE

### Class I Railroads

Canadian National Railway Co.  
Kansas City Southern Railway  
CSX Transportation  
Union Pacific Railroad  
Norfolk Southern Railway  
Burlington Northern Santa Fe Railway

### Regional & Shortline Railroads

Alton & Southern Railway Co.  
Iowa Interstate Railroad  
Indiana Rail Road Company  
Terminal Railroad Association Of St. Louis  
OmniTRAX  
And More....

### Industries

Ameren-UE  
Dynergy  
Buzzi Unicem USA  
Archer Daniels Midland  
ExxonMobil Chemical Co.  
Cargill  
MFA, Inc.  
Bunge North America  
And More....

### Government Entities

City of Alton, IL  
St. Clair County, IL  
IDOT Bureau of Railroads  
City of Mexico, MO  
City of Lee's Summit, MO  
And More....

### Ports

America's Central Port  
Kaskaskia Regional Port District  
And More....

## HISTORY

Design Nine, Inc. was formed in 1986 by former Missouri Pacific Railroad Engineers as a result of the merger of the Missouri Pacific Railroad with the Union Pacific Railroad and subsequent realignment of personnel. The principals of the firm had worked together in various sections of the engineering department for ten to fifteen years prior to the formation of Design Nine, Inc.

Throughout our history, Design Nine remains specialized in the area of railroad engineering, where we are best qualified. That railroad facilities should be serviceable and economical to build & maintain.



### DESIGN NINE, INC

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**E N G I N E E R I N G  
S E R V I C E S  
F O R  
R A I L R O A D S  
&  
I N D U S T R Y**

*Over 200 years  
of Combined Railroad  
Engineering Experience*

### Mission Statement

“To focus all energy and capabilities into the area in which best qualified - railroad engineering”

# SERVICES PROVIDED

It is the mission of Design Nine to offer clients a complete range of railroad related services based on the firm's engineers and their knowledge of applicable AREMA, FRA and state/local regulations.



Farmers Elevator Loop Track at Lower, Illinois

## Railway Bridges

- ◆ Design
- ◆ Inspection
- ◆ Rating/Analysis
- ◆ Repair Reports
- ◆ Repair Plans
- ◆ Deck Plans

## Structural Design

- ◆ Foundations
- ◆ Unloading Pits
- ◆ Retaining Walls
- ◆ Drainage Structures
- ◆ Temporary Shoring

## Railway Facilities

- ◆ Intermodal
- ◆ Auto Handling
- ◆ Bulk Transfer
- ◆ Yards & Terminals
- ◆ Connections/Junctions
- ◆ Interlockers
- ◆ Loop Tracks
  - Ethanol
  - Coal
  - Crude Oil
  - Grain

## Railroad Tracks

- ◆ Feasibility Studies
- ◆ Design & Layout
- ◆ Drawing Design & Development
- ◆ Monitoring Construction
- ◆ Capital/Maintenance Programs
- ◆ Inspections for Track Rehabilitation
- ◆ Special Trackwork



Alton & Southern Railroad Hump Yard

## Technical Services

- ◆ Track Inspection/Reports of Line Condition & Valuation
- ◆ Structural Inspection/Reports
- ◆ Project Cost Estimates
- ◆ Computer Aided Design/Drafting Specifications
- ◆ Complete Bid Packages

## Project Services

- ◆ Project Planning
- ◆ Project Inspection
- ◆ Quality Control
- ◆ Scheduling
- ◆ Estimating
- ◆ Budget Tracking



UPRR Auto Facility

## Surveying

- ◆ Quantity Measurements/As-Builts
- ◆ Survey Location & Staking of:
  - Track Realignment
  - Derailments
  - Curves
  - Drainage
  - Grade Crossings
  - Bridge Decks



Triple Crown Intermodal Facility