

## PROFESSIONAL SERVICES

- Software customization, integration, and deployment to meet agency-specific needs and policies.
- Work with clients to develop optimal long-range network-level improvement programs and perform detailed scenario and trade-off analysis.
- Provide evidence-based recommendations for developing asset management plans and budget submissions.
- Provide hands-on training on effective use and configuration of software to help teams get up to speed quickly.

## AWARD WINNING SOLUTIONS

IDS Solutions have been recognized with the prestigious Innovation Award from the American Society of Civil Engineers.

IDS Solutions are the **only** solutions in the market that are guaranteed to generate **"truly optimal"** long-range network-level asset improvement programs.

We build our reputation on a strong commitment to provide our clients with exceptional solutions and outstanding service.



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# DISCOVER THE POWER OF MULTI-OBJECTIVE OPTIMIZATION

### LONG-RANGE NETWORK-LEVEL ASSET IMPROVEMENT PROGRAMMING



# UNSURPASSED OPTIMIZATION UNPARALLELED PERFORMANCE

**BRIDGE  
OPTIMIZER**

**NBI  
OPTIMIZER**

**ROADS  
OPTIMIZER**



## OPTIMIZE HIGHWAY PROGRAMS

Develop long-range network-level bridge and pavement improvement project lists that minimize risk, maximize condition, and minimize lifecycle costs.

## QUANTIFY FUNDING & PERFORMANCE TRADE-OFFS

Discover relationship between funding levels and system condition and risk metrics. Accurately assess impact of funding scenarios and determine funding needs to meet performance targets.

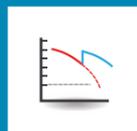
## HIGH-PERFORMANCE CLOUD-BASED PLATFORM

Access scalable high-availability and secure Software-as-a-Service (SaaS) anywhere anytime using a web browser.



### OPTIMIZED PROJECT SELECTION

Optimally allocate budget to the right infrastructure improvement projects at the right time.



### INDUCTIVE MULTI-VARIATE DETERIORATION FORECASTING

Predict future condition using novel machine learning algorithms that automatically discover deterioration models from historical data.



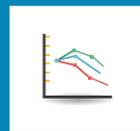
### AGENCY-SPECIFIC MODELS OF IMPROVEMENT ACTIONS

Define constraints, costs, and effectiveness models of alternative preservation, rehabilitation, and replacement actions.



### DASHBOARDS AND REPORTS

Create dynamic content-rich reports and dashboards to share important information with other users.



### SCENARIO ANALYSIS

Evaluate long-range system-level impact of funding scenarios, and determine required funding to meet desired performance targets.



### CRITICALITY AND RISK ANALYSIS

Analyze asset criticality and quantify risk of structural and functional inadequacy



### ADVANCED ANALYTICS

Intuitive query and analytics functions to assess and visualize current and historical asset data.



### CLOUD SERVICES

Access secure online services with flexible licensing options and subscription plans.



### EVIDENCE-BASED ASSET MANAGEMENT PLANS

Achieve regulatory compliance and build comprehensive and defensible asset management plans.



### RISK-BASED PRIORITIZATION

Use risk metrics to rank bridges and road sections to reflect urgency of preservation and improvement projects.



### GEOSPATIAL DATA INTEGRATION

Use rich GIS functionality to create, query, save, and share map layers based on asset data and improvement programs



### CUSTOMIZABLE

Customize software based on your agency's data, models, and constraints. Easily exchange and share data with other asset management tools.