The GIS Screening Tool (GIS-ST) prioritizes projects according to a system that ranks areas from "highly vulnerable" (5) to "low concern" (1).

CASE STUDY: TEXAS

GIS-ST is Used to Determine Road Alignment to Minimize Impact to Wildlife Resources and Potential Cumulative Impacts

This illustration shows 1-5 scores for each 1 km square within the proposed IH69 corridor in Dallas, TX.

Scores for multiple resources (~20 criteria) are shown for each 1 km square within the proposed IH69 corridor.

CASE STUDY: MARYLAND

"The Green Network" Chart

The Green Infrastructure (GI) Assessment and Approach identifies and prioritizes areas for conservation and restoration.

Geographic Information Systems (GIS) tools rate project alternatives to minimize potential environmental impacts.

Everyone Wins

Data-Driven Decision Support Tool
- Accelerates Project Planning & Delivery
- Protects the Environment
- Improves Project Quality
- Increases Cost Effectiveness
- Builds Multi-Agency Partnerships
- Eliminates Redundancy of Effort
- Offers Transparent Decision-Making

A Systems Approach
- Strengthens Communities
- Uses Sustainable Practices
- Improves Quality of Life
- Supports federal Initiatives
- Enhances Agency Public Image
- Defensible Decision Framework

Stewardship/Enhancement of Environmental Quality
- Stewardship of Tax/Public Dollars
- Analyzes Environmental & Transportation Assets
- Accommodates Transportation Improvements, Environmental Mitigation and Stewardship
- Provides Public Health Benefits, Recreation and Environmental Education
- Empowers Community Planners
- Enhances Environmental Quality

Dedicated to sharing high-payoff, market-ready technologies among transportation agencies across the United States, TIG promotes technological advancements in transportation, sponsors technology transfer efforts and encourages implementation of those advancements.

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