

Clients

Texas

Texas Department of Transportation
Central Texas Regional Mobility Authority
Harris County Toll Road Authority
Fort Bend County Toll Road Authority
Harris County
Travis County
City of Houston
City of Missouri City
City of Sugar Land
Levee Improvement Districts
Municipal Utility Districts
Private Developers

Outside of Texas

Mississippi Department of Transportation
California Department of Transportation
City of Charlotte (North Carolina)
Florida Department of Transportation
Duval County (Florida)
Jacksonville Transportation Authority
(Florida)

Certifications

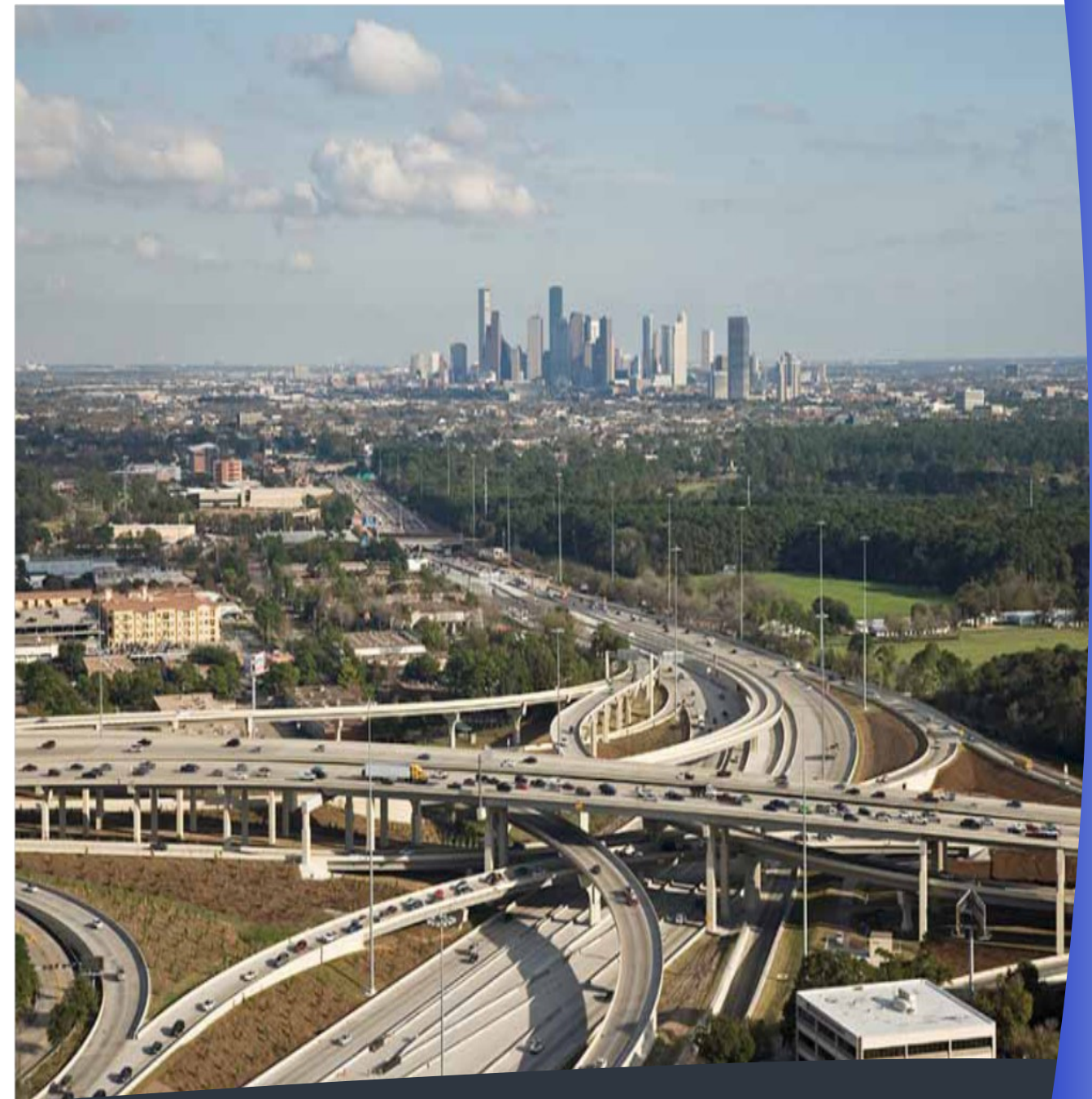
Registered with Texas Board of Engineers (TBPE)
Firm No. F-11657

TxDOT precertified (FSN 3483) in the following categories:

1.1.1	Policy Planning	8.3.1	Signalization
1.3.1	Subarea/Corridor Planning	8.4.1	ITS Control Systems Analysis, Design & Implementation
1.4.1	Land Planning/Engineering	8.6.1	Rail-Highway Design
1.5.1	Feasibility Studies	9.1.1	Bicycle and Pedestrian Facility Development
1.6.1	Major Investment Studies	10.1.1	Hydrologic Studies
1.7.1	Traffic Demand Modeling	10.2.1	Roadway Hydraulic Design
2.12.1	Socio-Economic And Environmental Justice Analyses	10.3.1	Bridge Hydraulic Design
3.2.1	Route Studies & Schematic Design	10.4.1	Storm Water Pump Station – Hydraulic Design
4.2.1	Roadway Design	10.5.1	Bridge Scour Evaluations and Analysis
4.4.1	Freeway Interchanges	10.7.1	Riverine Hydraulic Design
4.5.1	Constructability Review	10.8.1	FEMA Regulations and Permits
4.6.1	3-D Design Visualization Services	11.1.1	Roadway Construction Management and Inspection
7.1.1	Traffic Engineering Studies	11.6.1	Construction Schedule Support – General
7.3.1	Traffic Signal Timing	11.7.1	Construction Schedule Support – Sched of Roadway Design
7.4.1	Traffic Control Systems Analysis, Design & Implementation	18.3.1	Utility Adjustment Coordination
7.5.1	Intelligent Transportation Systems	18.4.1	Utility Engineering
8.1.1	Signing, Pavement Marking, and Channelization		
8.2.1	Illumination		



I. S. ENGINEERS, LLC
Innovative Solutions



I. S. ENGINEERS, LLC
Innovative Solutions

7700 San Felipe Street, Suite 485
Houston, Texas 77063
Tel: (713) 234-7118

603 Munger Avenue, Suite 100 #229
Dallas, Texas 75202
Tel: (972) 391-7853

Innovative Solutions

Signature ISE Projects

IH 35W Segment 3C (Fort Worth)

ISE as prime consultant is tasked with project management, design services, and finding innovative cost saving measures to modify the initial schematic as well as develop an interim schematic which accommodates for the ultimate infrastructure (bridges, culverts, elevated managed lane ramps, etc.). This segment of IH 35W is 7.5 miles long with a multi-level interchange at SH 170.

In progress

\$300 Million (Estimated construction cost)

IH 35W Segment 3B (Fort Worth)

ISE as prime consultant provided project management and design services for the reconstruction of 3.5 miles of IH 35W from IH 820 to the US 287/SH 81 interchange. Project included managed lanes, general purpose lanes, ramps, frontage roads, and four direct connectors. ISE provided design of the roadway, drainage, structures, traffic control plans, and ITS facilities.

In progress

\$123 Million (Estimated construction cost)

Tomball Tollway (Harris County)

ISE prepared the toll infrastructure design for the Electronic Toll Collection system for HCTRA. ISE provided the design of a special gantry structure and all civil engineering components of the toll plaza while coordinating the design of the building components and all related tolling infrastructure.

In progress

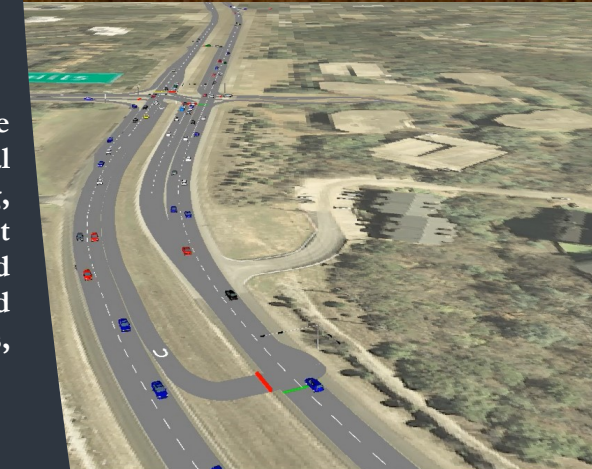
\$100 Million (Estimated construction cost)

State Loop 360 Innovative Intersection Design (Austin)

As prime consultant, ISE conducted the traffic model, traffic study, environmental document, public meetings, signal timing, and geometric design efforts for this project that required analysis of 17 existing signalized intersections. The innovative design included state-of-the-art design such as Superstreets, Michigan Left, Diverging Diamond, etc.

In progress

\$19 Million (Estimated construction cost)



Services Offered

Traffic Control Design

Roadway Design

Interchange Design

Bridge Layouts, Design, and Inspection

Drainage Design and Analysis

Traffic Engineering & Design

Traffic Operations

Urban Planning & Traffic Circulation Studies

Bicycle & Pedestrian Facilities Design

Utility Design

Construction Scheduling

Project Management

ITS and Toll Facility Design

Weigh-In-Motion (WIM) Design

I. S. Engineers, LLC (ISE)

is a consulting engineering firm that provides design services in the areas of transportation and infrastructure in the State of Texas.

Our focus is to provide cost-efficient design services that always exceed client expectations and meet their goals and needs.

We offer complete design services in transportation engineering from planning to environmental studies, schematic design, and complete PS&E.

ISE's staff members have extensive experience in award winning transportation projects in the State including IH 10/IH 610 Interchange as well as US 290/IH 610 Interchange in Houston, SH 71/US 183 Interchange in Austin, US 281/Loop 1604 in San Antonio, and IH 35W Segments 3B and 3C in Fort Worth.

Signature Staff Experience Projects

IH 610 / IH 10 Interchange (Houston)

This award winning complex project was managed by Niko Mozaffar, P.E. Niko also led the design efforts for roadway and traffic control of this high profile project with an ADT of 280,000 vehicles. The project design was completed in two years, and construction was completed in 2006.

Completed

\$137 Million (Estimated construction cost)



US 290 / IH 610 Interchange (Houston)

Preparation of PS&E for this four-level interchange and reconstruction of US 290 and IH 610. The project involved bicycle and pedestrian facilities along frontage roads, ADA ramps, four UPRR overpass structures, direct connectors including two direct connectors for the future Hempstead Tollway, detention ponds, and utility coordination.

Completed

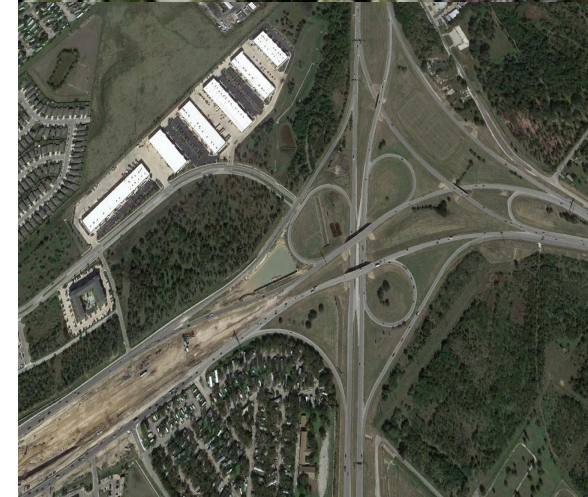
\$150 Million (Estimated construction cost)



SH 71 / US 183 Interchange (Austin)

ISE staff innovative design ideas resulted in changing the original schematic design from a five-level interchange to a four-level interchange, saving millions of construction dollars for TxDOT.

\$394 Million (Estimated construction cost)



IH 10 Frontage Road (El Paso)

ISE recently completed the design of traffic control plans on this fast track project on time and on budget. The Notice to Proceed was given in March 2014 and the project was completed in May 2014 including a traffic control conceptual design workshop, 60%, 95%, and 100% plans. The project has been let and construction will start soon.

Under construction

\$19 Million (Estimated construction cost)

