

SL 360 Innovative Intersection Improvements (Austin)

Texas Department of Transportation

Project Description

ISE provided feasibility studies, traffic engineering studies, schematic design, environmental document, public involvement and PS&E for 14.25 miles of SL 360 in Austin consisting of 17 signalized intersections. The project involved simulation modeling to predict traffic behavior and test various improvement scenarios. Due to the complexity of the proposed concepts, 3-D traffic flow micro simulation was prepared and presented to the client and at public meetings. ISE performed corridor-wide coordination of signal timings to maximize the throughput of the corridor while minimizing the delay incurred by the side streets' traffic. Project scope of services included conceptual design, steering Construction in progress \$19 Million (Construction cost)



committee meetings, coordination with the City of Austin and adjacent cities, stakeholders meetings, traffic engineering, and level of service analysis using Synchro and VISSIM, schematic design, and PS&E for six of the 17 intersections. State-of the-art innovative intersection improvements such as Superstreets, Michigan Left, Continuous Green-T, Diverging Diamond, Continuous Flow Intersections as well as standard improvements were evaluated for various intersections with measures of effectiveness for each improvement. The results of the study, evaluations, and recommendations were provided to TxDOT in a comprehensive report. Schematic design was prepared and presented in a series of public meetings and workshops. ISE provided PS&E for six of the intersections with a modified Superstreet concept as a pilot project for the corridor. These intersections are currently under construction.



Proposed Michigan Left on SL 360 at intersection of Bluffstone Ln (Austin)



Proposed Superstreet on SL 360 at intersection of Great Hills Trail (Austin)