

ITB 2023-013 ITS CONSTRUCTION

Rejection of Bid



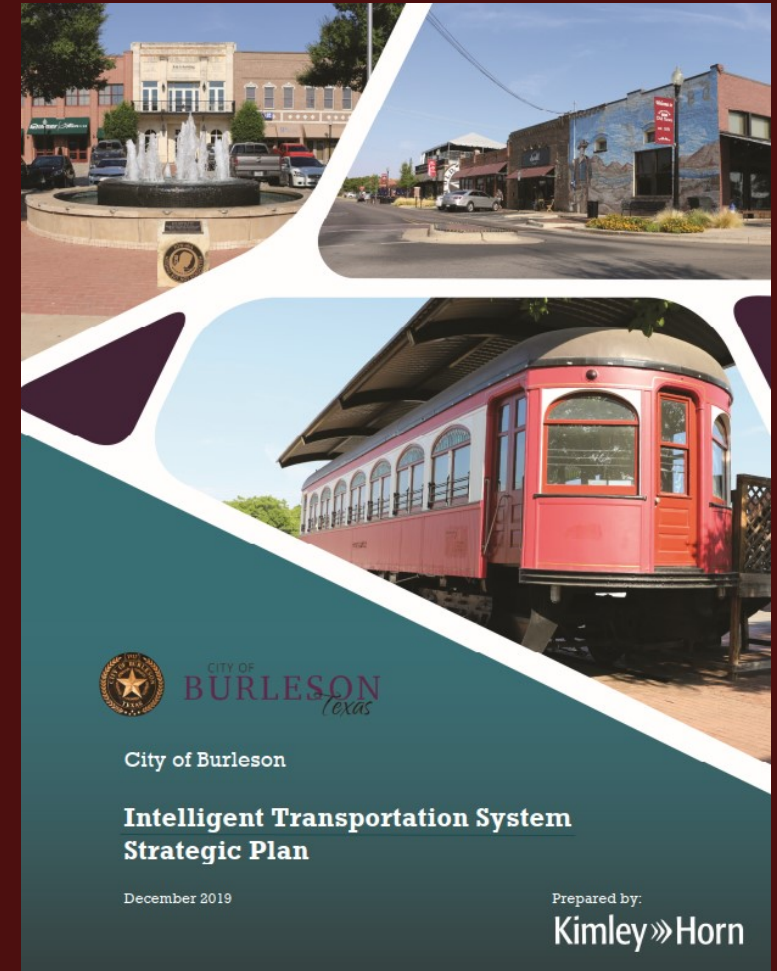
WHAT IS INTELLIGENT TRANSPORTATION SYSTEMS

An intelligent transportation system (ITS) is an advanced application which aims to provide innovative services relating to different modes of transport and traffic management and enable users to be better informed and make safer, more coordinated, and 'smarter' use of transport networks.



INTELLIGENT TRANSPORTATION SYSTEMS STRATEGIC PLAN

- Kimley-Horn and Associates, Inc. hired to develop plan in March of 2018.
- Plan adopted by City Council in December of 2019.
- Plan included: Advanced Traffic Management System (ATMS) software, local control software, and devices in support of the system, and traffic management center. Including: vehicle detection, signal controller, communications, point and zoom cameras (PTZ), and workstations.
- Goals to improve mobility and efficiency, add signal performance measures, provide traveler information and support the smart city initiative.
- Kimley-Horn and Associates, Inc. hired to develop construction documents in support of the plan in July 2020.



ITB 2023-013 ITS CONSTRUCTION DETAILS



- Traffic signal management software and hardware
- Purchase and installation of new vehicle detection systems
- Traffic management center including video wall and work stations
- Field CCTV systems for monitoring intersection operations
- Emergency vehicle pre-emption, including hardware for the traffic signals and for the Fire Response Vehicles

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TRAFFIC SYSTEM

- Current System
 - 16 Traffic Signals
- Proposed Additions
 - 27 TxDOT Signals



HSIP GRANT

Highway Safety Improvement Program

- City Awarded Grant for Alsbury Corridor Improvements
- City Contribution of \$89,329
- Total Grant Award of \$743,590

Project to be designed and constructed independently of ITS project with anticipated construction to begin next year.



ITS FUNDING

Total Funding Available for Project - \$2,517,812

- Non-GO Bond Funding
 - \$356,689
- 2022 GO Bond
 - \$2,161,123

Design Contract for ITS - \$155,644

Available Construction Funding - \$2,362,168



ITB 2023-013 ITS CONSTRUCTION BIDS

- Staff initiated ITB 2023-013 ITS Construction with the intent to solicit bids for implementation of the City's ITS Plan.
- Unfortunately at bid close on in April of 2023, the city only received one bid out of two vendors that requested documents.
- Bid was \$3,099,757, which is significantly over the allocated funding of \$2,362,168.
- Unstable market, and supply chain issues continue to drive prices higher than estimates could anticipate.



NEXT STEPS

- Alternate sources of funding
 - Possible NCTCOG Federal Funding
 - Delay in project 18-24 months
 - Additional Capital Funding
 - \$1.5M included in 5-year CIP
- Review Construction Documents to identify opportunities for savings
 - IT Assistance
 - Amending Construction Phasing



OPTIONS

RECOMMENDED



APPROVE

Approval of a minute order to reject bids for
ITB 2023-013 ITS Construction.



DENY

QUESTIONS?

