



### SUCCESS STORY

#### ENVIRONMENTAL COMPLIANCE

DB Contractor proactively engaged dedicated staff to continuously coordinate and monitor construction activities near endangered plant species resulting in no environmental compliance issues.

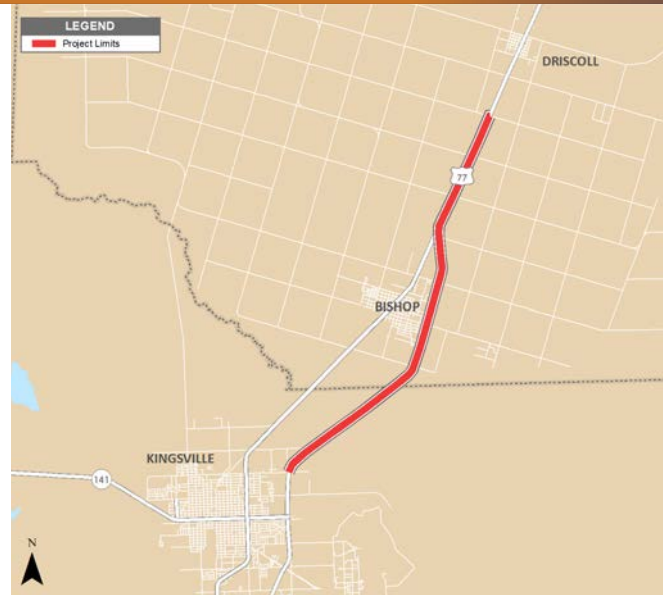
#### COMMUNITY INVOLVEMENT

The project involved extensive construction through the City of Bishop which necessitated extensive coordination and community outreach meetings with the City, Bishop Independent School District, and numerous businesses along the corridor. The image of the local high school's mascot, The Badger, was cast in the retaining walls for the overpasses in the City, as shown in the picture below.



#### NO DISPUTES

Project was successfully closed without entering into any dispute resolution proceedings.



### PROJECT DESCRIPTION

**FROM:** Kingsville, north of East Corral Avenue/ FM 1898

**TO:** Driscoll, south of CR 12/FM 3354

- Upgraded 8 miles of the existing 4-lane roadway to a 4-lane divided facility with full access control.
- Included frontage roads to provide continuous access to local properties.
- Constructed 10 bridges and 20 retaining walls.

**LANE MILES:**  
52

**TOTAL CONTRACT VALUE**  
\$80 million



US 77 Overpass in Bishop, TX

### PROJECT BENEFITS/VALUE

- Upgraded US 77 facility to interstate highway standards to improve safety and mobility as well as to foster economic development throughout South Texas.
- TxDOT acquired all the ROW prior to construction eliminating potential project delays.
- DB Contractor effectively coordinated and managed utility relocations ensuring that the utility work was completed on-time.

### DESIGN-BUILD EFFICIENCIES

- Co-location of the Owner Verification Testing (OVT) team and the Quality Assurance (QA) team in the same project field office allowed for efficient transfer of data of testing activities.
- Weekly meetings held by the project team were effective in resolving many issues.
- The design-build delivery method enabled the TxDOT to focus on project progress instead of quantity and payment reconciliation.
- Transfer of environmental risks to the DB Contractor allowed TxDOT to maximize its resources.

### LESSONS LEARNED

- Review drainage specifications closely to address any ambiguous drainage requirements that could result in the DB Contractor's reluctance to address drainage issues.
- Develop traffic management requirements to more effectively manage the efficient flow of traffic to accommodate local traffic patterns.
- Require the DB Contractor to assist TxDOT addressing negative media press from traffic impacts.
- Require the DB Contractor to assist TxDOT addressing local ROW and access issues.
- The inadequacy of the quality acceptance firm on the project resulted in updates to the programmatic independent quality firm requirements.
- Eliminate requirements to provide a "more efficient design" which had resulted in more costly maintenance items.
- Transfer the environmental risk from TxDOT to DB Contractor for monitoring endangered plant species during and post construction.
- Ensure performance requirements are intended to provide an acceptable ride quality at bridge approaches.
- Engage in a flexible public involvement process that responds to community input to address community access concerns during and after construction.
- Confirm that the ITS technical requirements provide appropriate connectivity and communication with the District's ITS system.
- A streamlined approach to the contract documents was not effective in enforcing the contract provisions which led to future development of a programmatic set of DB contract documents.
- Project size, scope and complexity should be carefully considered to present industry with opportunities to implement efficiencies and innovation.



US 77 Mainlanes