



Young Engineers Visit CTTS Project Office

The CTTS Project Team hosted a special group of visitors in August--cub scouts with the Capital Area Council, Pack 140, Webelos Den 5. These young men have been working on completing their Engineering Badge. From the badge requirements, the scouts wanted to talk to an engineer about the various types of engineering fields, visit a construction site, and look at plans for building the facility.

The Project Team put together a brief program for the scouts. A classroom segment included descriptions of several engineering specialties—civil, aeronautical, mechanical, chemical. A CADD demonstration illustrated techniques for drawing complex engineering designs.

The scouts also received a safety orientation. The safety training included outfitting the scouts with safety vests, hardhats, and safety glasses. Properly equipped with



their safety gear, the scouts boarded vans and set out for their tour of the Loop 1 Extension, SH 45N east to SH 130, and over portions of the SH 130 project.

Before heading back to the Project Office, the tour stopped to visit the Hutto field office. At the conclusion of the program, these seven future engineers were presented with TxDOT Apprentice Engineer certificates.

Save the Dates! CTTS Opening Celebration Events
Sunday, October 22, 2006 - Running, Biking, and Family Fun
Wednesday Morning, November 1, 2006 - Ribbon-Cutting Ceremony
Opening Soon
The Loop 1 Extension from Parmer Lane to SH 45N, SH 45N from Loop 1 to SH 130, and SH 130 from US 79 to US 290. Watch for event details posted on www.centraltexasturnpike.org

130 TOLL, 45 TOLL, 1 TOLL
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\*This report is for the Central Texas Turnpike System, 2002 Project (CTTS-2002 Project). For more complete information on the CTTS-2002 Project, refer to the Official Statement or the latest quarterly report (www.centraltexasturnpike.org). Information is also available from the State Information Depository and the Nationally Recognized Municipal Securities Information Repositories. No financial decision should be made based upon this report. For further information, contact the TxDOT Austin District Public Information Office: 512.832.7060.

Note: Segments 5 and 6 of SH 130, SH 45N Section 8 direct connectors, SH 45N Section 9, SH 45SE, and 183A are not part of the CTTS 2002 Project and are not funded through the Series 2002 Obligations. Information on these roadways may be included in this report because these facilities are major connector projects and are important to the overall CTTS.



# state highway 45N/loop 1 Update

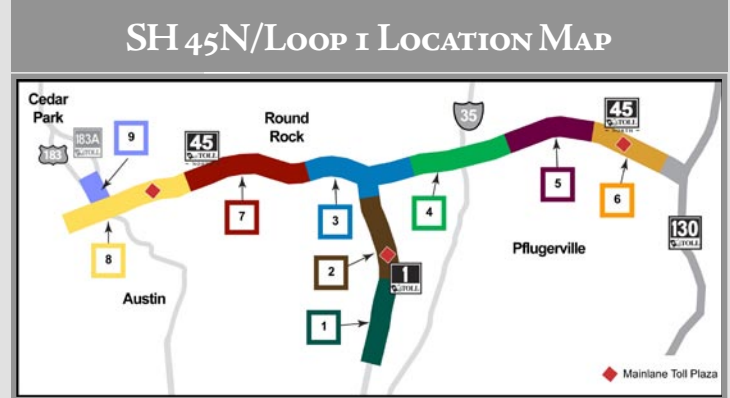
- In Sections 1 and 2, construction activities included placement of riprap, placement of sod and other landscaping elements, and installation of signals and signs.
- In Section 3, roadway signage was completed and is being inspected. Rail work is being completed. Establishment of vegetative cover is ongoing.
- In Section 4, ramp toll plazas are fully functional. Other construction activities included installation of overhead sign bridges and placement of decomposed granite for landscaping. Pavement marking on the eastbound frontage road is ongoing, and metal beam guard fencing is being placed.



*Landscaping at the SH 45N/I-35 Intersection*

- In Section 5, concrete paving has been completed. Placement of the concrete portion for the railing has started. Placement of riprap for landscaping along the eastbound frontage road at A.W. Grimes Boulevard was completed, and planting trees for the landscaping under the CR 170 overpass bridge was started.

- Surface paving of the frontage road and Heatherwilde Boulevard was completed, and placement of metal beam guard fencing on the project was completed. Irrigation work at the toll plazas is in progress. The seeding, sodding, and landscaping are ongoing.
- In Section 7, construction began on the sign bridges, cantilever sign trusses, and small sign foundations. Work began on installing the large overhead signs and roadway illumination. Tree installation, limestone ground cover, and topsoil placement is ongoing.
- In Section 8, TxDOT has granted partial acceptance for the mainlane toll facility. Other activities in this section include placement of asphalt pavement on the eastbound frontage road east and west of Lake Creek Parkway and between Pecan Park Boulevard and the US 183 southbound frontage road, as well as placement of loop detectors, duct bank and conduit runs throughout the section. The east- and westbound mainlanes are completely paved between the toll plaza and the North Branch Pond.
- In Section 9, work is continuing on the westbound-to-



*SH 45N at Heatherwilde Boulevard*



*Ramp Toll Plaza - Eastbound Entrance Near RM 620, East of Parmer Lane*

northbound direct connector bents. Painting of columns and beams, prepping topsoil, and seeding work is ongoing.

# state highway 130 Update

## CONSTRUCTION

### SEGMENT 1

- Paving operations continued in Section 3 on the mainlanes south of CR 105. Mainlane paving in Section 4 was completed between CR 118 and US 79.
- The concrete decking on the southbound frontage road bridge over Dry Berry Creek was completed. Bridge deck activities in Section 1 are now complete.
- In Section 2, riprap work was completed for the southbound mainlanes over FM 971 and for the northbound mainlanes over the San Gabriel River.
- Construction on all duct bank in Segment 1 is complete. With construction of concrete islands, curbs, and walkways, the ramp toll plazas in Segment 1 are nearing substantial completion.



Mainlane Toll Plaza Near CR 107

- Erosion control, slopes and ditches, and the rough finish of roadway subgrade were accomplished at the Chandler Road intersection and at CR 109 and US 79 in Section 4.

### SEGMENT 2

- Relocation of utilities for the US 79 Gap Project continued this month. Current work includes waterline, electrical, and gas line relocations. This work will clear the way for changing US 79 between County Road 110 and FM 685 from a four lane non-divided to a four lane divided section.
- The concrete paving on the mainlanes was completed from the

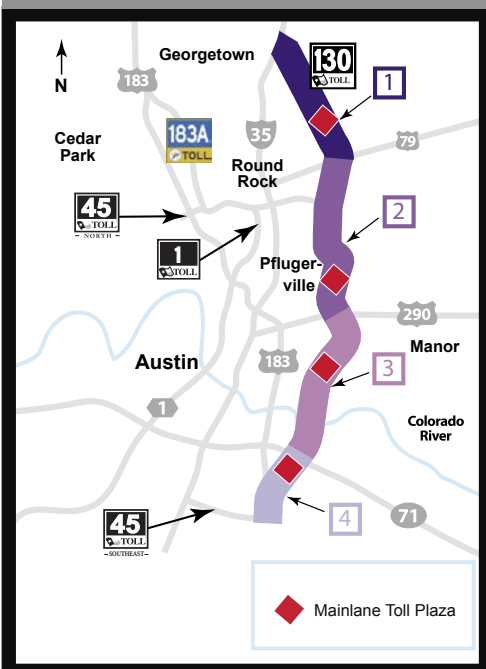


Paving Operations, SH 130 at SH 45N

- Segment 1 limits south to Brushy Creek. The earthwork and concrete paving in this area was completed.
- Hotmix paving crews placed material on the southbound frontage road between Parmer Lane and US 290, on the westbound frontage road between SH 130 and Decker Lane and on eastbound US 290. Eastbound Parmer Lane received the final course of hotmix.
- The eastbound portion of US 290 is also progressing toward completion with the placement of flex base. This will allow transition of eastbound traffic onto the new

(cont'd on page 4)

## SH 130 LOCATION MAP



## Ramp Toll Booths - Final Delivery to Segments 1 and 2

The last of the ramp toll booths for Segments 1 and 2 were delivered in August and installed at a ramp toll plaza near CR 107 in Williamson County. Work is proceeding with final hook-ups at the ramp and mainlane toll plazas for water, electric, and communications systems.

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## state highway 130 Update (cont'd)

(cont'd from page 3)

intersection and the construction of the SH 130/US 290 intersection.

- Earthwork activities focused on grading of the slopes to allow topsoil and seeding operations to commence. Other work included grading of ditch lines for permanent drainage of the roadway and adjacent right of way.
- The placement of select material south of US 290 was also completed this month allowing for the continuation of concrete paving into Segment 3.
- One of the two mechanically-stabilized earth walls under the Union Pacific Railroad bridges was completed in August and work on the other bridge is well underway.

### SEGMENT 3

- Select material hauling and placement was completed in Section 11 and north of FM 969 in Section 12.
- Riprap work was completed at the Bridge 73 area over Blue Bluff Road, and Type IV beams were set.
- Construction continued on the mainlane toll plaza tunnel and foundations and on the ramp plazas north of Blue Bluff Road and south of FM 969.
- Bridge substructure work was completed in Section 13 at the Colorado River bridge, northbound and southbound.
- Drilled shaft work was completed for the Onion Creek bridge.
- Bent cap work began and

footing and column work continued on the north side of SH 71 for the direct connector.

- Work was completed on relocating a City of Manor 12" waterline main and tank at Gilbert Road. Fourteen-foot and 11-foot drilled shaft foundations were placed for an Austin Energy transmission line relocation at the Colorado River.



*Drilled Shaft Construction for an Austin Energy Transmission Line*

### SEGMENT 4

- Embankment operations continued between Pearce Lane and Elroy Road and is complete between Elroy Road and McAngus Road.
- Embankment operations began between McAngus Road and FM 812 and started south of FM 812.
- Site preparation work continued at the mainlane toll plaza.
- SBC and Bluebonnet Cooperative relocations are in progress at both McAngus Road and FM 812, as are City of Austin waterline relocations at Pearce Lane and FM 812.

### OTHER ACTIVITIES

- Of the 427 ROW parcels required for SH 130, Segments 1 through 4, 358 have been acquired and 376 are available for construction (including possession and use agreements).
- The FHWA approved the Draft FEIS Reevaluation for Segments 5 and 6 for further processing. Public hearings have been scheduled in Pflugerville, Seguin, and Lockhart. The public hearings notice and the Reevaluation documents are posted on [www.centraltexasturnpike.org](http://www.centraltexasturnpike.org).



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**TURNPIKE TEAM**  
2002 PROJECT BOND OVERSIGHT  
General Engineering Consultant: PBS&J

SH 130  
Program Manager: HDR Engineering, Inc.  
Developer: Lone Star Infrastructure

SH 45N & LOOP I  
Construction Manager: PBS&J

Construction Contractors by Section:  
1 and 2 – Zachry/Gilbert Constructors  
3 – Zachry/Gilbert Constructors  
4A and 4B – Archer-Western Constructors, Ltd.  
5 – Zachry Construction Corporation  
6 – Austin Bridge & Road, L.P.  
7 – Granite Construction & J.D. Abrams, L.P.  
8 – Austin Bridge & Road, L.P.  
9 – Zachry Construction Corporation

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