

DALLAS DISTRICT

PROGRESS

Monthly Report on Dallas District Projects and Topics

COLLIN CO. | DALLAS CO. | DENTON CO. | ELLIS CO. | KAUFMAN CO. | NAVARRO CO. | ROCKWALL CO.

ACCELERATED BRIDGE CONSTRUCTION A SUCCESS

DALLAS – Last month, the TxDOT Dallas District successfully rebuilt and replaced the 50-year-old I-635 bridges over Seagoville Road in Balch Springs over the span of two weekends utilizing the accelerated bridge construction (ABC) method. A project this size would normally take months of lane closures and traffic headaches, but TxDOT chose the accelerated bridge construction approach due to high traffic volumes on one of the busiest highways in North Texas and the lack of logical detours. **An estimated 142,000 to 154,000 drivers travel the busy roadway each day, and 11 percent of those vehicles are large trucks.** The project sits in the area near where I-635, I-20 and US 175 converge, making extensive backups likely for extended closures that would occur with conventional bridge reconstruction.

HOW DOES IT WORK?

The new bridges were built in multiple pieces and moved into place. Each new bridge features 15 pieces. Crews spent months over the summer building and prefabricating the new bridge pieces alongside the old bridge. The existing northbound and southbound bridges were demolished and the new bridge pieces were loaded onto trucks from the assembly yard nearby and lifted by cranes into place. Once the prefabricated bridge pieces were safely moved into place, crews performed finishing pours on the bridge deck. After curing, crews striped and reopened the roadway hours ahead of schedule. The project is expected to be fully complete this fall.



TxDOT photo

Photo 1: An completed new bridge section prepares to be moved into place on August 19, 2020.

Photo 2: Workers prepare the abutment section of the bride deck for placement of new bridge.

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AUGUST 2020 LET PROJECTS (SUBJECT TO CHANGE)

CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	COST EST. (M)	BID (M)	(%)	EST. TOTAL COST (M)**	CONTRACTOR
* 0918-00-356	VA	On state facilities in the Dallas District	Replace approximately 576 existing ITS CCTV analog cameras located throughout the Dallas District with digital versions to be compatible with upgraded DalTrans traffic management center video equipment	\$5.00	\$3.36	-32.68	\$6.59	American Lighting and Signalization, LLC
EST. AUGUST 2020 TOTALS				\$5.00	\$3.36	-32.68	\$6.59	
DISTRICT FY ACCUMULATIVE LETTINGS				\$555.13	\$571.30			
DALLAS DISTRICT FY LETTING VOLUME CAP				\$235.08 M				

*Unmapped.

**Est. Total Project Costs includes est. PE, ROW, E&C, Indirect Costs and Potential Change Order Costs at the time of bid.

SEPTEMBER 2020 PROJECTED LETTING PROJECTS (SUBJECT TO CHANGE)

CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)
1 0009-11-250	IH 30	Haskell Ave. to west of Buckner Blvd.	Planing, concrete full depth repair, ACP overly, & pvmt. markings	\$15.72
2 0817-01-024	FM 428	US 377 to FM 1385	Rehabilitate existing pvmt. and add shoulders	\$10.92
3 2351-01-017	FM 2478	US 380 to north of FM 1461	Widen two-lane rural hwy. to four-lane div. (six-ln ultimate); Realign intersection at FM 1461	\$36.66
* 0918-00-328	VA	Various locations in the Dallas District	Non-site specific installation of traffic signals	\$2.48
* 0918-00-360	VA	Various locations in the Dallas District	For the construction of rumble strips & pvmt. markings and markers	\$2.88
ESTIMATED TOTAL				\$68.66 M

*Unmapped.

COMPLETED CONSTRUCTION PROJECTS (FROM AUGUST 1-31, 2020)

CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)	COMPLETED DATE
1 0047-06-165	US 75	PGBT to SH 121	Full depth concrete repair	\$1.92	8/11/2020
2 0047-14-069	US 75	North of Melissa Rd. to south of FM 455 Interchange	Reconstruct and widen 4 to 6 lanes and 2 lane frontage roads	\$79.42	8/13/2020
3 0195-02-071	US 77	US 380 to FM 2164	Overlay and preventative maintenance	\$1.44	8/11/2020
4 0196-01-106	IH 35E	State School Rd./Mayhill Rd. (FM 2499) to SL 288	Construct grade separation & intersection improvements	\$27.50	8/13/2020
5 0196-01-110	US 77	IH 35E to Eagle Rd.	Full depth concrete repair	\$1.49	8/11/2020
6 0718-01-064	FM 156	SH 114 to 12th St in Justin	Widen 2 lane to 4 lane divided urban	\$32.54	8/07/2020
7 1567-02-031	FM 423	SH 121 to Stewarts Creek Rd.	Landscape highway	\$0.75	8/11/2020
* 0918-00-275	VA	Various Locations in the Dallas District	Installation of traffic signals	\$2.60	8/11/2020
ESTIMATED TOTAL				\$147.66 M	

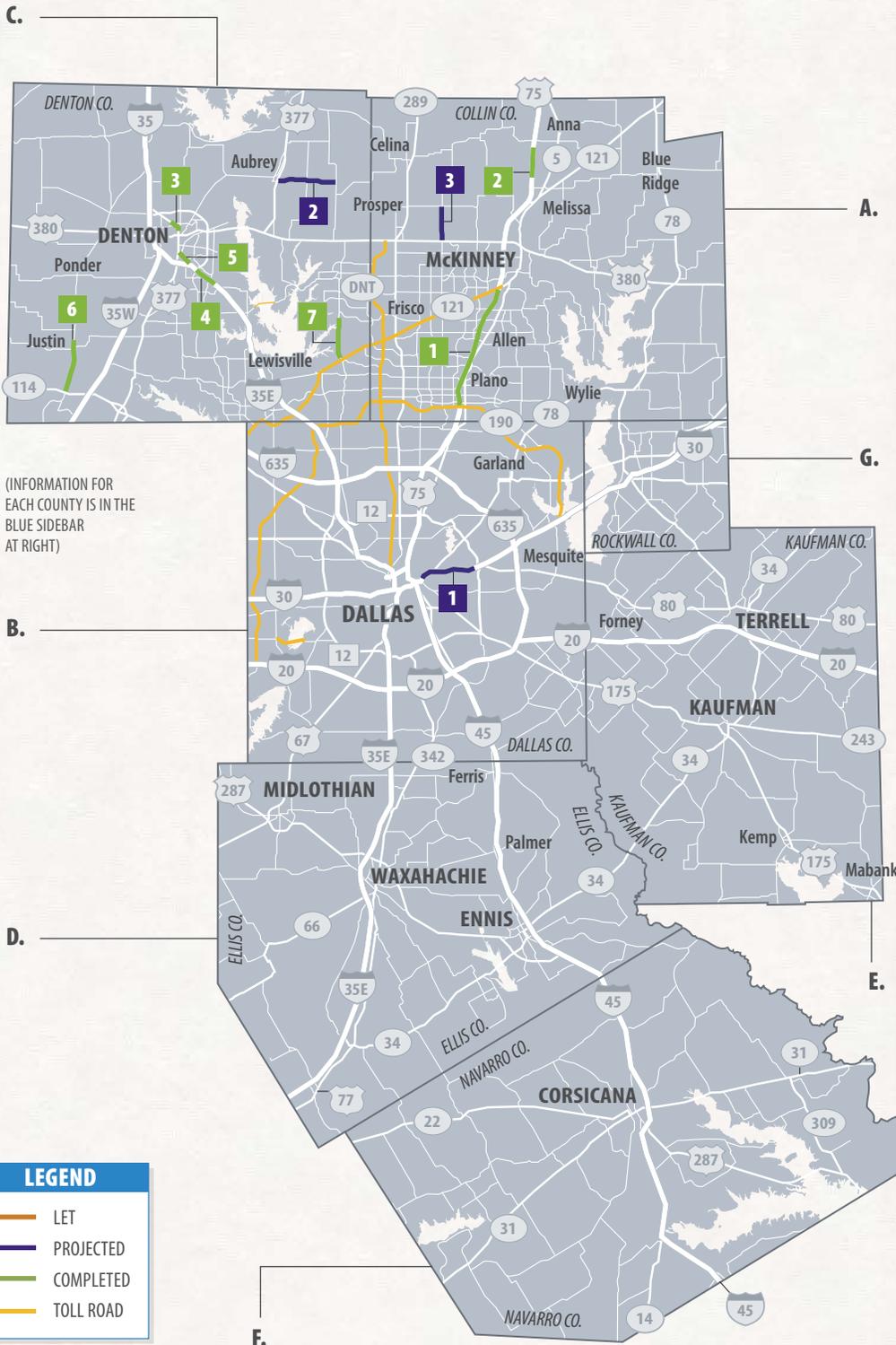
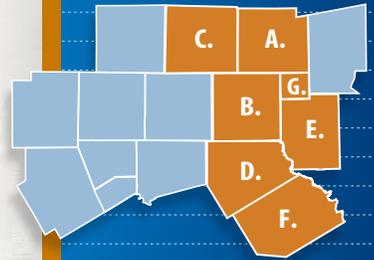
*Unmapped.

SOURCE: Texas Department of Transportation.

TxDOT graphics

DALLAS DISTRICT PROJECTS MAP

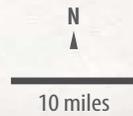
Colored and numbered boxes correspond with the charts on page 2 and show projects that have let in **August**, are projected to let in **September**, or have recently been **completed**.



LEGEND

- LET
- PROJECTED
- COMPLETED
- TOLL ROAD

SOURCE: TxDOT research.
*POPULATION ESTIMATE: NCTCOG.



2020 DALLAS DISTRICT ESTIMATE TOTALS

VEHICLE REGISTRATION | 4,085,742
*POPULATION ESTIMATE | 5,019,590
LANE MILES | 10,793.058

A. COLLIN COUNTY
VEHICLE REGISTRATION: 799,926
*POPULATION ESTIMATE: 1,043,140
LANE MILES: 1,462.514

B. DALLAS COUNTY
VEHICLE REGISTRATION: 2,155,995
*POPULATION ESTIMATE: 2,591,820
LANE MILES: 3,377.212

C. DENTON COUNTY
VEHICLE REGISTRATION: 680,143
*POPULATION ESTIMATE: 901,120
LANE MILES: 1,633.926

D. ELLIS COUNTY
VEHICLE REGISTRATION: 181,071
*POPULATION ESTIMATE: 197,780
LANE MILES: 1,526.862

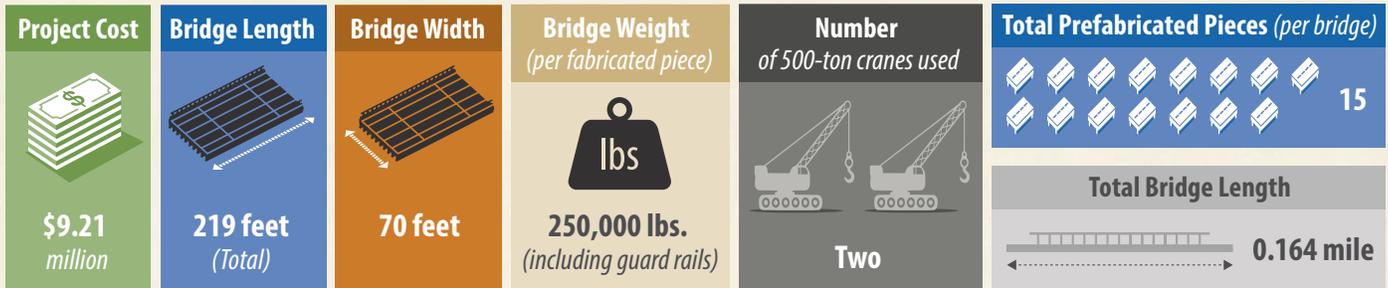
E. KAUFMAN COUNTY
VEHICLE REGISTRATION: 124,760
*POPULATION ESTIMATE: 128,520
LANE MILES: 1,215.130

F. NAVARRO COUNTY
VEHICLE REGISTRATION: 52,355
*POPULATION ESTIMATE: 50,870
LANE MILES: 1,191.856

G. ROCKWALL COUNTY
VEHICLE REGISTRATION: 91,492
*POPULATION ESTIMATE: 106,340
LANE MILES: 346.193

Continued from COVER STORY: **ACCELERATED BRIDGE CONSTRUCTION A SUCCESS**

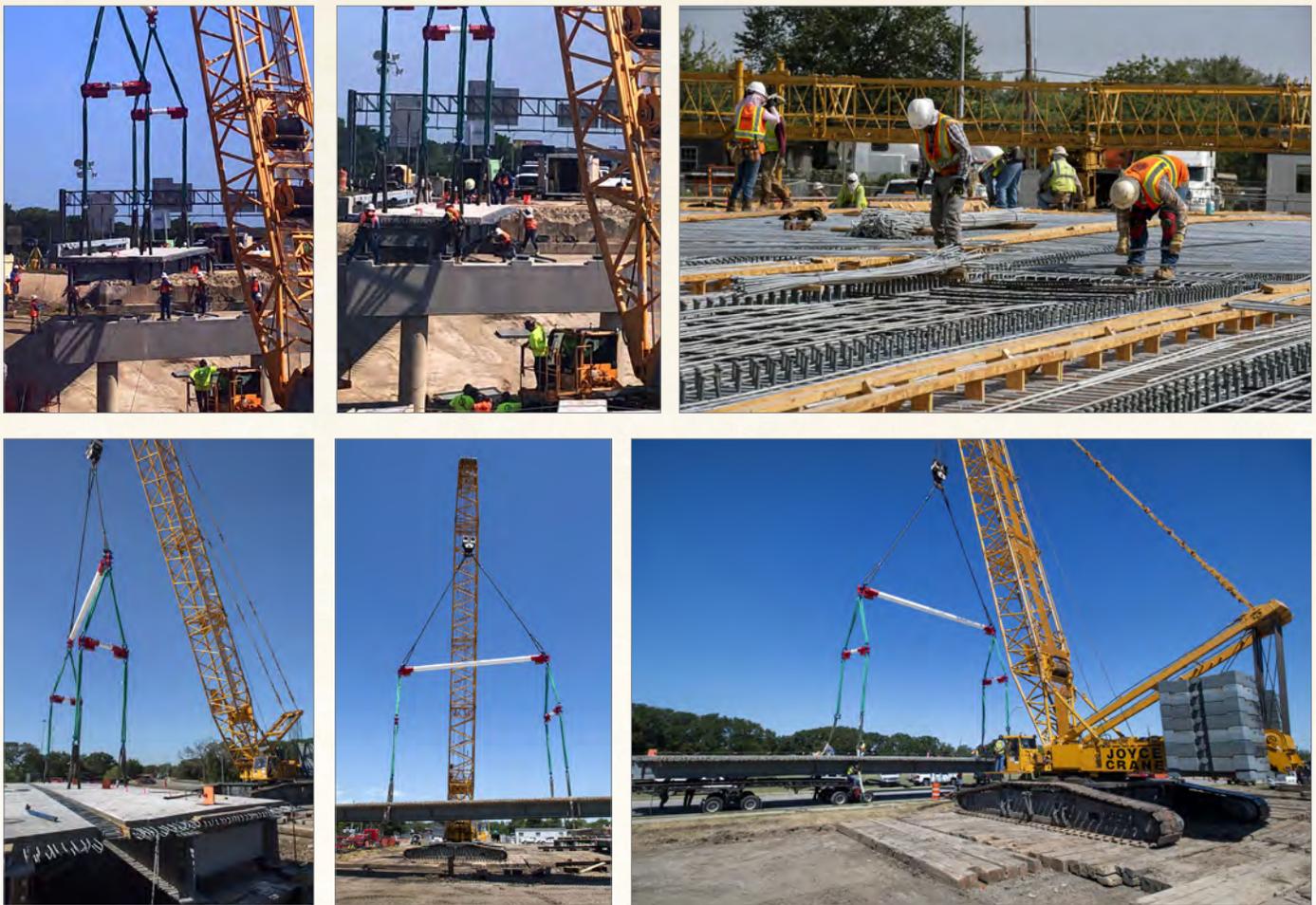
BY THE NUMBERS:



SOURCE: TxDOT

TxDOT graphic

ABC Under Construction:



SOURCE: TxDOT

TxDOT photos

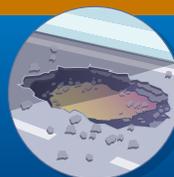
For more information about this innovative project and to view time lapse photos and videos, please visit: www.txdot.gov/inside-txdot/projects/studies/dallas/i635-seagoville.html.

DALLAS DISTRICT | PROGRESS



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REPORT A POTHOLE:

Visit www.txdot.gov/contact-us/formhtml?form=Report_a_Pothole or call 800.452.9292. Progress report can be downloaded at <http://www.txdot.gov/inside-txdot/district/dallas/progress.html>