

# 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.

## A SINGULAR IMPROVEMENT

The Planned **Single Point Urban Interchange (SPUI)** at I-35 and FM 664 in Ellis County Promises Major Improvements to Traffic Flow in the Area

### DEDICATED TO IMPROVING TRANSPORTATION

**TxDOT is focused on** providing better roadways and better interchanges across the Lone Star State, and the Dallas District.

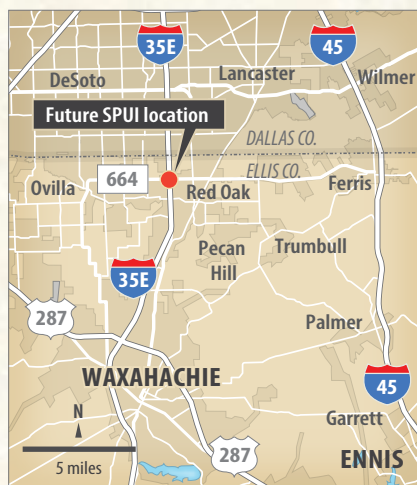


**The Dallas District**, in its commitment to improving safety and mobility, has awarded a contract to build the latest Single Point Urban Interchange (SPUI) at Interstate 35E (I-35E) and FM 664 in Ellis County. The area is one of the fastest-growing in the state, and the location called for an innovative approach to the large amount of traffic getting to and from FM 664 from the interstate.

### PROJECTS TO COINCIDE

**The FM 664 SPUI was awarded** for construction by the Texas Transportation Commission in February. That project is combined with construction on another much-needed interchange at the future Loop 9 and I-35E. Both projects are expected to begin by summer and together were awarded for \$137 million to Flatiron Constructors, Inc.

**A SPUI allows** all left-turn traffic move-



SOURCE: TxDOT

TxDOT graphic

ments to be controlled by a single traffic signal, making for less challenging left turns. Right turn movements onto and off the freeway ramps are made at stop or yield controlled intersections, allowing for improved traffic flow.

**The Dallas District** built SPUIs at two other locations in Collin County: US 75 at Parker Road, and US 75 at Eldorado Parkway.

### A BENEFIT TO DRIVERS

**The Drivers** navigate a SPUI like a conventional diamond interchange, except

all movements are made at one traffic signal instead of two. This design helps reduce congestion because left turns can be made at slightly higher speeds, which, moves vehicles through an area more safely and efficiently.

**This powerful alternative** can handle higher volumes of traffic and work well in areas with limited space. SPUIs also reduce the number of vehicle conflict points. In addition, the wider turn design makes it easier for larger vehicles like school buses, emergency vehicles and trucks, by creating simultaneous turning for opposite left -turns.

### GOOD FOR PEDESTRIANS TOO



**The Pedestrians** also benefit from the SPUI design. Marked crosswalks allow pedestrians to safely cross the freeway ramps at these intersections. Cyclists, meanwhile, have the choice to either navigate the interchange using crosswalks and pedestrian use the same paths as vehicles.

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## FEBRUARY 2024 LET PROJECTS

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	COST EST. (M)	BID (M)	+/- (%)	CONTRACTOR
1	0196-01-117	US 77	Eagle Dr. to McKinney St.	Milling, rework base, level up, overlay & pavement markings	\$3.53	\$3.80	7.91%	Jagoe-Public Co.
2a	0442-03-042	I-35E	At Ellis County line	Reconstruct interchange	\$116.70	\$137.12	17.50%	Flatiron Constr., Inc.
2b	0442-03-042	I-35E	At FM 664	Reconstruct interchange				
2c	0442-03-042	I-35E	At Reese Dr.	Reconstruct interchange				
3a	0918-24-267	Frankford Rd.	On Frankford Rd. at Dallas Pkwy.	Improve traffic signals	\$4.29	\$4.87	13.68%	FNH Constr., LLC
3b	0918-24-267	Harry Hines	On Harry Hines at Walnut Hill Ln.	Improve traffic signals				
3c	0918-24-267	Midway Rd.	On Midway Rd. at Royal Ln.	Improve traffic signals				
3d	0918-24-267	Hillcrest Ave.	On Hillcrest Rd. at Spring Valley Rd.	Improve traffic signals				
3e	0918-24-267	Shady Brook	On Shady Brook Ln. at Park Ln.	Improve traffic signals				
3f	0918-24-267	SH 190	At Midway Rd.	Improve traffic signals				
4a	1396-01-013	FM 1391	At Cedar Creek Relief No. 2	Replace bridge and approaches	\$5.89	\$5.44	-7.60%	Highway 19 Constr., LLC
4b	1396-01-013	FM 1391	At Cedar Creek	Replace bridge and approaches				
5	2374-03-099	I-20	I-45	Bridge repair	\$6.51	\$5.75	-11.76%	Altus Constr., LLC
6a	2374-04-086	I-20	Tarrant County line	Planing, concrete full depth repair, overlay & pvmt. markings	\$15.58	\$20.09	28.97%	FNH Constr., LLC
6b	2374-04-086	I-20	SS 408	Planing, concrete full depth repair, overlay & pvmt. markings				
7	2374-07-077	I-635	At Farmers Branch	Bridge maintenance	\$4.21	\$3.49	-17.11%	Ragle Constr., Inc.
EST. FEBRUARY 2024 TOTALS					\$156.70	\$180.57	\$4.51%	
DISTRICT FY CUMULATIVE LETTINGS					\$448.65	\$343.66		
DALLAS DIST. FY LETTING VOLUME CAP					\$1,111,870,522**			

\*\* District FY 2022 Letting Cap includes the following:  
1) I-35E Phase II Dallas County Design Build Project for \$708 M

Note: Accumulative Letting/Obligations decreased due to bid rejection of Klyde Warren Deck Park Extension CSJ 0196-07-034 and I-35E Frankford Rd CSJ 0196-02-132.

## MARCH 2024 PROJECTED LETTING PROJECTS (SUBJECT TO CHANGE)

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)
1	0092-13-033	BI 45F	Harty Rd. to I-45	Rehabilitate existing roadway	\$4.64
2	0197-02-135	US 175	2nd Ave. at Lake June Rd.	Bridge replacement	\$31.36
3	0918-18-133	CR 1420	CR NW 1410 at Mill Creek	Bridge replacement	\$3.82
4	2374-07-074	I-635	At Belt Line Rd.	Interchange improvement	\$7.69
*	0918-00-365	Various	Various locations in the Dallas District	Traffic signal improvements	\$0.44
ESTIMATED TOTAL					\$47.95

\* Unmapped.

## COMPLETED CONSTRUCTION PROJECTS (FROM FEBRUARY 1-29, 2024)

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)	COMPLETED DATE
1	0281-02-077	SH 78	From Collin C/L to Spring Creek Pkwy. in Wylie	Concrete full depth repair & diamond grind	\$1.7	2/02/2024
2	0442-02-169	IH 35E	At Woody Branch	Bridge scour repair	\$2.5	2/02/2024
3	1392-01-050	FM 1378	From S of Jessica Lane to SH 5	Mill, base repair, widen, & overlay	\$6.2	2/08/2024
4	2352-02-027	FM 2449	From W of FM 156 to E of FM 156	Add turn lanes, pvmt. surface and Overlay	\$2.1	2/28/2024
*	0918-00-333	Various	Various frwys. in Dallas, Collin, Ellis, Navarro Co.	Install signing of truck lane restrictions	\$1.0	2/28/2024
*	0918-00-356	Various	Various locations in the Dallas District	Replace its CCTV cameras	\$3.4	2/28/2024
ESTIMATED TOTAL					\$16.9 M	

\* Unmapped.

SOURCE: Texas Department of Transportation

TxDOT graphic

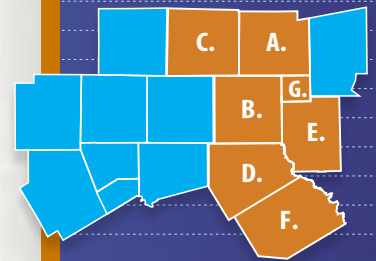
# DALLAS DISTRICT PROJECTS MAP

Colored and numbered boxes correspond with the charts on page 2 and show projects that have let in February 2024, are projected to let in March 2024, or have recently been completed.



**NOTE:**  
Information for each county is in the blue sidebar at right.

**SOURCE:** TxDOT research  
\*POPULATION ESTIMATE: NCTCOG



## 2023 DALLAS DISTRICT ESTIMATE TOTALS

VEHICLE REGISTRATION | 4,272,434  
\*POPULATION ESTIMATE | 5,414,645  
LANE MILES | 11,456

### A. | COLLIN COUNTY

VEHICLE REGISTRATION: 892,924  
\*POPULATION ESTIMATE: 1,175,974  
LANE MILES: 1,578

### B. | DALLAS COUNTY

VEHICLE REGISTRATION: 2,101,685  
\*POPULATION ESTIMATE: 2,675,009  
LANE MILES: 3,563

### C. | DENTON COUNTY

VEHICLE REGISTRATION: 763,677  
\*POPULATION ESTIMATE: 1,006,492  
LANE MILES: 1,822

### D. | ELLIS COUNTY

VEHICLE REGISTRATION: 201,810  
\*POPULATION ESTIMATE: 218,125  
LANE MILES: 1,627

### E. | KAUFMAN COUNTY

VEHICLE REGISTRATION: 151,162  
\*POPULATION ESTIMATE: 158,672  
LANE MILES: 1,225

### F. | NAVARRO COUNTY

VEHICLE REGISTRATION: 54,161  
\*POPULATION ESTIMATE: 55,639  
LANE MILES: 1,276

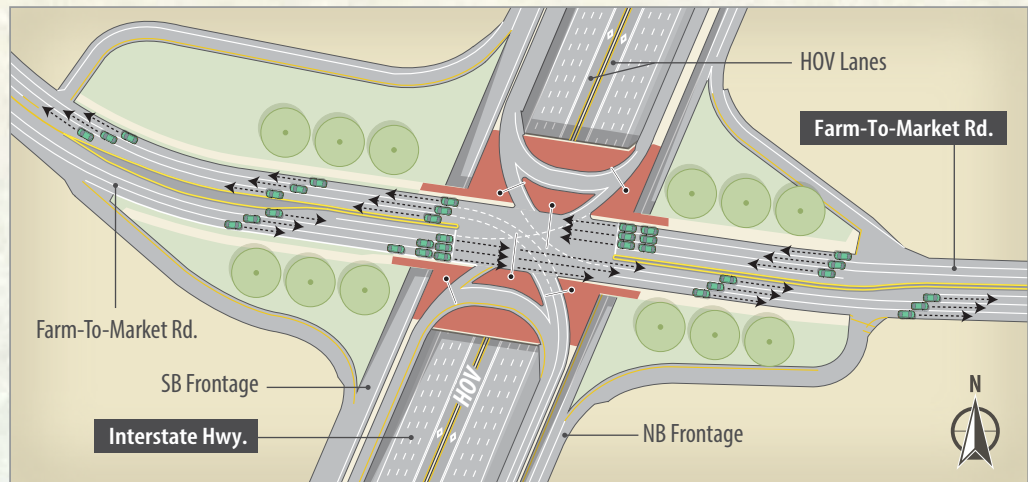
### G. | ROCKWALL COUNTY


VEHICLE REGISTRATION: 107,015  
\*POPULATION ESTIMATE: 124,734  
LANE MILES: 365

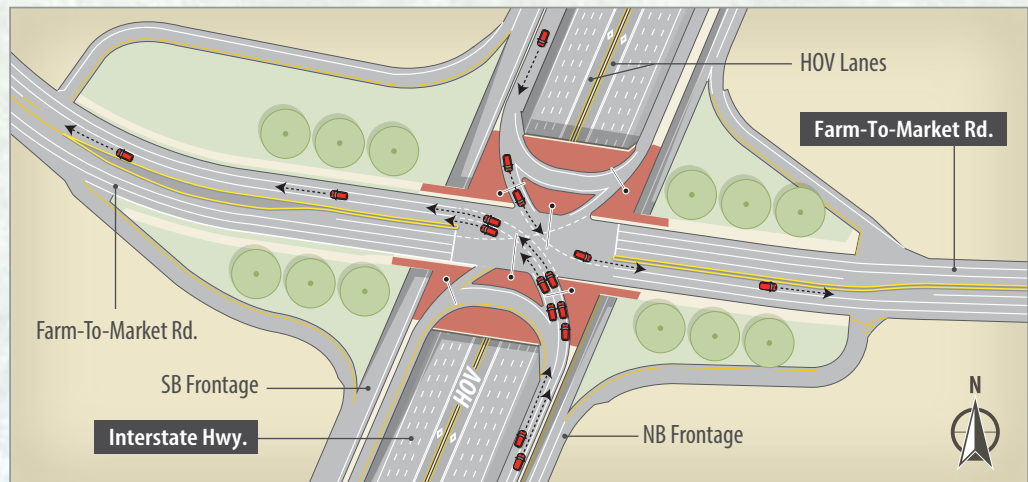



## How Traffic Moves Through a Single Point Urban Interchange (SPUI)

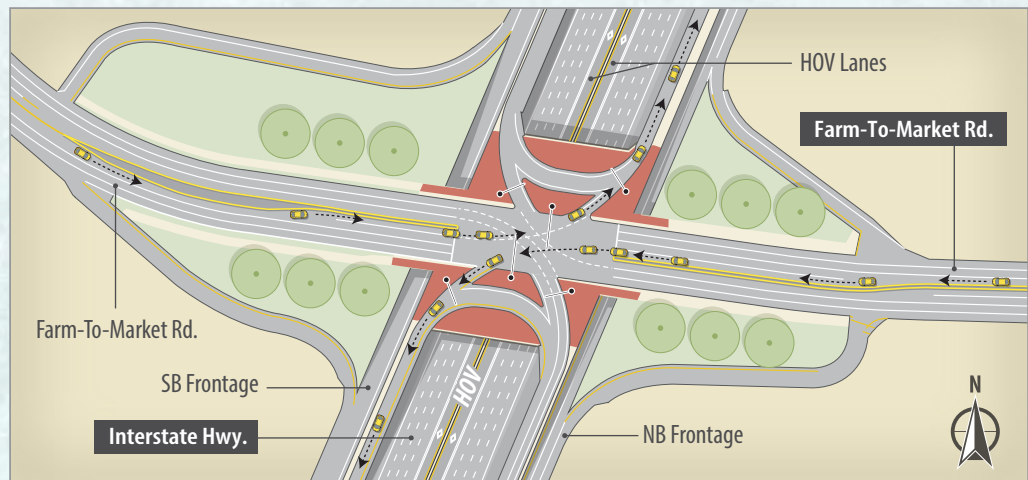
  
**EASTBOUND  
and  
WESTBOUND**



  
**SOUTHBOUND to  
EASTBOUND;  
NORTHBOUND to  
WESTBOUND**



  
**EASTBOUND to  
NORTHBOUND;  
WESTBOUND to  
SOUTHBOUND**



**NOTE:** Each graphic panel represents only the general layout and traffic flow through a SPUI. They are not specific to how the SPUI at US 75/FM 664 will be configured.

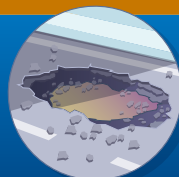
TxDOT graphic

### DALLAS DISTRICT | PROGRESS



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TRANSPORTATION**  
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#### REPORT A POTHOLE:

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