

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.

IN THE 'LOOP'

DALLAS DISTRICT – 2022 kicks off with an abundance of construction projects ramping up around the Dallas District.



Among them is the Loop 9 corridor project, which will address population growth, transportation demand, system linkages and connectivity in southern Dallas County, northern Ellis County and Kaufman County. The Loop 9 corridor features three segments, stretching from US Highway 67 to Interstate 20 (I-20).

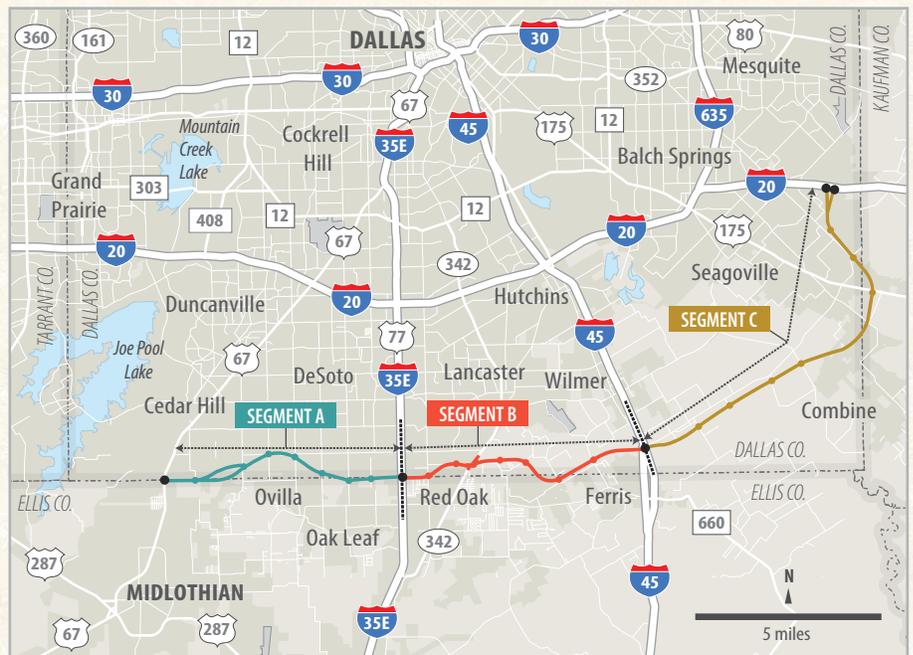
TxDOT started construction on the middle segment, known as Segment B, in January. This first phase of segment B, which is a \$78 million project, is estimated to be completed in summer 2024. Segment B spans 12.1 miles and runs through the Cedar Hill, Midlothian, Ovilla, Glenn Heights, and Red Oak communities.



Source: TxDOT.

TxDOT graphic

Phase 1 of Segment B will consist of a Super 2 (one lane each direction, with periodic passing lane).



Source: TxDOT research.

Segments of the Loop 9 project with the current under construction **Segment B** shown in red.

TxDOT is designing new interchanges on Loop 9 at both I-35E and I-45 that will further enhance mobility. The work at the I-35E interchange is scheduled to start construction in 2023, and the I-45 interchange is scheduled to start in 2025.

“The Loop 9 project will help TxDOT address rapid growth and traffic congestion throughout southern Dallas County and northern Ellis County,” said Juan A.

Paredes, P.E., TxDOT Area Engineer for Ellis and Navarro counties. “The segment being built between I-35E and I-45 will offer a vital alternative to motorists, and I’m proud to be leading such a vital project to completion in 2024. This project certainly helps us to fulfill our mission of ‘Connecting You with Texas.’”

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JANUARY 2022 LET PROJECTS

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	COST EST. (M)	BID (M)	(%)	EST. TOTAL COST (M) ³	CONTRACTOR
1	0195-03-101	IH 35E	US 77 to IH 35/IH 35W	Resurfacing	\$7.18	\$6.08	-15.32%	\$8.31	Jagoe-Public Company
2	0048-04-094	IH 35E	At FM 387 (Butcher Rd.)	Reconstruct interchange, reconstr./widen 4 to 4/6 lane FRs	\$41.58	\$45.98	10.59%	\$56.28	Austin Bridge & Road Services, LP
3	0172-05-125	US 287	FM 813 to BUS 287R	Install median barrier	\$3.32	\$2.84	-14.50%	\$3.20	Gratiot Construction, Ltd.
4	2355-01-006	FM 2451	Midland Dr. to SH 34	Restore existing pvmt. and add shoulders	\$7.52	\$7.65	1.65%	\$10.72	Knife River Corporation South
5	0195-03-096	IH 35E	US 377 to FM 2181	Full depth concrete repair, pvmt. markings & diamond grinding	\$2.62	\$3.01	17.44%	\$2.98	Roy Jorgensen Associates, Inc.
6	0918-00-327*	VA	Various locations in the Dallas District	DMS rehabilitation	\$0.34	\$0.41	21.88%	\$1.55	Highway Intelligent Traffic Solutions, Inc.
EST. JANUARY 2022 TOTALS					\$62.56	\$65.97	TBD	\$83.04	
DISTRICT FY ACCUMULATIVE LETTINGS					TBD	TBD			
*DALLAS DISTRICT FY LETTING VOLUME CAP					\$1,388.77 M¹				

*Unmapped.

¹District FY 2022 Letting Volume Cap includes the IH 35E Phase II project for \$708,268,750.

²District Volume Cap subject to change pending final FIN Division Approval.

³Estimated Total Project Costs includes estimated PE, ROW, E, Indirect Costs and Potential Change Order Costs at the time of bid.

FEBRUARY 2022 PROJECTED LETTING PROJECTS (SUBJECT TO CHANGE)

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)
1	0918-00-333	VA	Various freeways in Collin County	Install signing of truck lane restrictions	\$1.15
2	0918-47-249	McMillan Ave.	McMillan Ave. at Mockingbird Ln.	IMPROVE TRAFFIC SIGNALS	\$2.09
3	0918-47-251	CS	Greenville Ave. at Royal Ln.	IMPROVE TRAFFIC SIGNALS	
4	0918-47-252	Ferguson Rd.	Ferguson Rd. at Highland Rd.	IMPROVE TRAFFIC SIGNALS	
5	0918-47-258	Plano Rd.	Plano Rd. at Walnut Hill Ln.	IMPROVE TRAFFIC SIGNALS	
6	0918-47-263	Gus Thomasson	Gus Thomasson at Maylee Blvd.	IMPROVE TRAFFIC SIGNALS	
7	0918-47-267	Greenville Ave.	Greenville Ave. at Mockingbird Ln.	IMPROVE TRAFFIC SIGNALS	
8	1451-03-017	FM 55	SH 22 to Ellis County line	Rehabilitate existing pavement and add shoulders	
9	2374-03-096	I-20	At I-35E	Bridge Deck Repair	\$5.20
ESTIMATED TOTAL					\$13.45 M

COMPLETED CONSTRUCTION PROJECTS (FROM JANUARY 1-31, 2022)

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)	COMPLETED DATE
1	0918-47-299*	VA	At various locations on I-20 and I-30	Install glare screens	\$2.75	1/4/2022
ESTIMATED TOTAL					\$2.75 M	

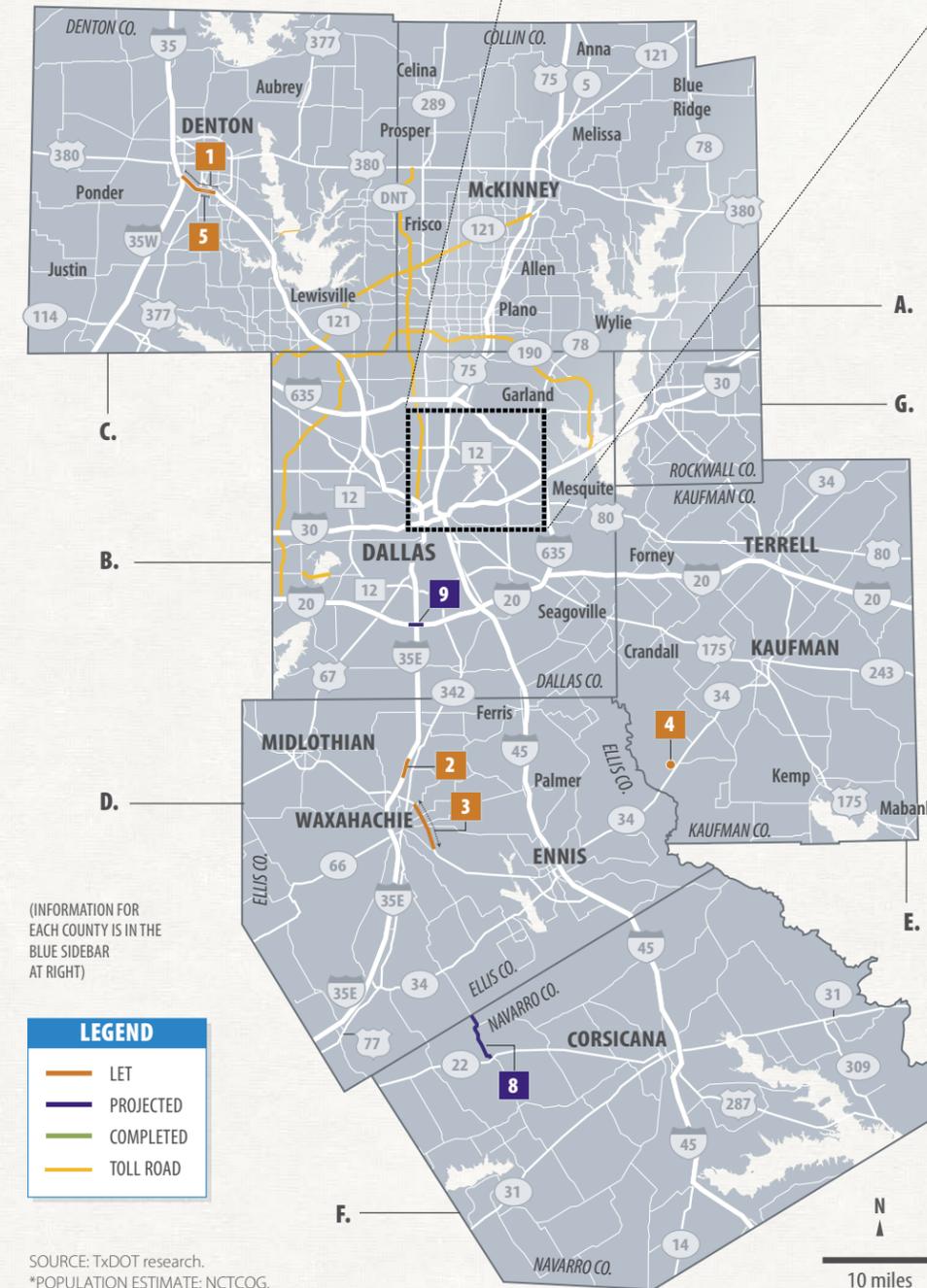
*Unmapped.

SOURCE: Texas Department of Transportation

Credit: TxDOT graphics

DALLAS DISTRICT PROJECTS MAP

Colored and numbered boxes correspond with the charts on page 2 and show projects that have let in **January 2022**, are projected to let in **February 2022**, or have recently been **completed**.



2021 DALLAS DISTRICT ESTIMATE TOTALS

VEHICLE REGISTRATION | 4,451,460
 *POPULATION ESTIMATE | 5,046,435
 LANE MILES | 10,945.063

A. | COLLIN COUNTY

VEHICLE REGISTRATION: 815,746
 *POPULATION ESTIMATE: 1,033,046
 LANE MILES: 1,554.718

B. | DALLAS COUNTY

VEHICLE REGISTRATION: 2,006,193
 *POPULATION ESTIMATE: 2,647,576
 LANE MILES: 3,374.238

C. | DENTON COUNTY

VEHICLE REGISTRATION: 694,485
 *POPULATION ESTIMATE: 886,563
 LANE MILES: 1,665.964

D. | ELLIS COUNTY

VEHICLE REGISTRATION: 665,303
 *POPULATION ESTIMATE: 188,464
 LANE MILES: 1,541.650

E. | KAUFMAN COUNTY

VEHICLE REGISTRATION: 128,716
 *POPULATION ESTIMATE: 135,410
 LANE MILES: 1,207.916

F. | NAVARRO COUNTY

VEHICLE REGISTRATION: 47,117
 *POPULATION ESTIMATE: 52,013
 LANE MILES: 1,252.710

G. | ROCKWALL COUNTY

VEHICLE REGISTRATION: 93,900
 *POPULATION ESTIMATE: 103,363
 LANE MILES: 347.867

LOOP 9 PROJECT AT A GLANCE

- **Will provide** an east-west transportation facility to serve the local communities.
- **Will provide** a facility to accommodate expanding transportation demands resulting from population growth and economic development in the region.
- **Will increase mobility** and accessibility in southern Dallas County, northern Ellis County and Kaufman County area.

STATUS OF SEGMENTS

- **SEGMENT A**
Segment A spans from US 67 to I-35E. Alternatives for this segment are currently being developed and studied in an Environmental Impact Statement process.
- **SEGMENT B**
Segment B will be built in stages

to provide a direct link from I-35E to I-45. Construction began in January 2022. All right of way has been acquired for this project.

- **SEGMENT C**
Segment C runs from I-45 to I-20. This corridor is currently inactive.

MORE ON LOOP 9

The first phase of the project will build one lane in each direction from I-35E to I-45. The work in the first phase will serve as one future frontage road for the ultimate project.

As traffic warrants and funding becomes available, phase 2 will build the other side of the paired frontage road, as well as grade separations at high-volume intersections. The median will be left open for a future phase to build main lanes. Upon completion of phase 2, the two-way frontage road built in phase 1 will be converted to a one-way operation.

Phase 3 will build main lanes as traffic warrants and funding becomes available. ■

SEGMENT B: PHASES 1, 2 AND 3



Source: TxDOT.

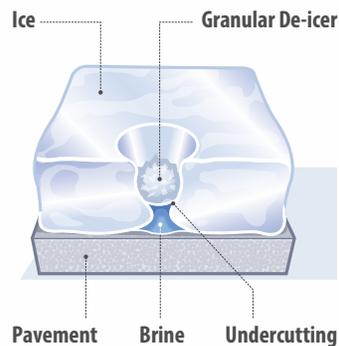
TxDOT graphics

TxDOT WINTER WEATHER PREPARATION

HOW DO THE CHEMICALS WORK?

Granular De-Icer

A granular de-icer – salt for instance – lowers the freezing point of water from 32 °F to about 15 °F (depending on how much you use). When salt makes contact with ice, melting begins immediately and spreads out from that point, creating a salt/water mix (brine) that continues melting the ice, undercutting the bond between the ice and the road.



Melting Ice Takes Time

The temperature and the amount of ice or snow on the road determine de-icing material amounts and melting rates. As temperatures drop, the amount of de-icer needed to melt a given quantity of ice increases significantly.

WHICH MATERIALS ARE USED ON THE ROADS?



Before an ice/snow event

- Liquid salt-based anti-icers help prevent ice formation



During an ice/snow event

- Various salt-based granular de-icers are used to help melt ice already formed on the road

AFTER SNOW/ICE EVENT

- Stockpiles/supplies are replenished (multi-day storm)
- Roadways are swept/cleaned of excess aggregate
- Winter plan effectiveness is evaluated and adjusted
- Roadway repairs are scheduled (potholes, guardrails, structures, etc.)
- Equipment is serviced and prepared for the next winter storm

SOURCE: Texas Department of Transportation

Credit: DEAN HOLLINGSWORTH/TxDOT Information Specialist

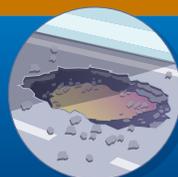
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REPORT A POTHOLE:

Visit <https://www.txdot.gov/inside-txdot/contact-us/contact-us/reportIssueSubPage/roadNeedsRepair.html> or call 800.452.9292. Progress report can be downloaded at <http://www.txdot.gov/inside-txdot/district/dallas/progress.html>