

DALLAS DISTRICT

PROGRESS

Monthly Report on Dallas District Projects and Topics

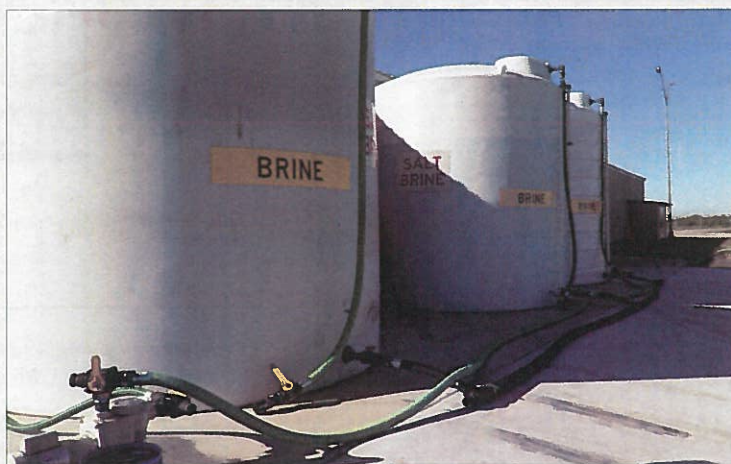
COLLIN CO. | DALLAS CO. | DENTON CO. | ELLIS CO. | KAUFMAN CO. | NAVARRO CO. | ROCKWALL CO.

TxDOT PREPARES FOR WINTER WEATHER

DALLAS — For TxDOT, nothing is more important than safety, especially during severe winter weather. That's why the TxDOT Dallas District has been gearing up for the upcoming winter weather season and is prepared to respond as needed. Equipment in each county of the Dallas District is inspected and serviced to operate well before the temperatures start dropping. Winter maintenance plans are reviewed and updated while materials are replenished.



TxDOT uses several different techniques and materials during a winter weather event. When inclement weather is anticipated, crews are deployed to begin de-icing, which involves pretreating the roads with a salt and water mixture called brine on heavily traveled roadways, bridges and flyovers. De-icing with brine can help prevent ice and snow from bonding to the pavement. Over a quarter-million gallons of brine are prepared in the Dallas District. During an ice or snow event, crews will use sand or other salt-based materials to de-ice or create traction on the roadways. More than 3,400 tons of materials are strategically located throughout the district to make efficient use of available resources. ■



Brine storage tanks and other materials – which are strategically located throughout the Dallas District – are accessed by TxDOT crews prior to being deployed across the district during inclement weather to begin the process of de-icing the highways and roads.

TxDOT photo

TxDOT crews diligently work to keep roadways safe, but drivers also must do their part to reduce risks and avoid winter weather hazards:

PLAN FOR THE ROAD



Avoid getting caught by surprise, and be aware of travel and weather advisories. Stay tuned to local news and weather alerts. For information about road conditions across the state, visit www.DriveTexas.org, or call 1-800-452-9292.



CAR MAINTENANCE DO A VEHICLE SAFETY CHECK



Ensure that your vehicle is properly maintained including windshield wipers, headlights and tail lights, and tire pressure. Remove any snow or ice from your vehicle before you drive. Make sure your car is properly fueled in case of unexpected delays.

DRIVE WITH CAUTION



Approach turns, bridges and shaded spots slowly. Remember, bridges and overpasses are the first to freeze. Reduce your speed and increase your distance between other vehicles to at least three times the normal following distance. Give TxDOT work crews plenty of room to operate and slow down when approaching them. If dangerous weather is forecasted, consider delaying your trip or simply stay home.

SOURCE: Texas Department of Transportation

DEAN HOLLINGSWORTH/TxDOT Information Specialist

NOVEMBER 2019 LET PROJECTS (SUBJECT TO CHANGE)

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	COST EST. (M)	BID (M)	(%)	EST. TOTAL COST (M)**	CONTRACTOR
1	0081-03-048	US 377/ BS 114K	On US 377 BS 114K in Roanoke from Henrietta Creek Rd. to N. of BS 114K, on BS 114K at DOT No 795 342V	Replace the bridge, reconstruct/ widen 2/4 to 4 lane divided urban, replace railroad underpass and improve BS 114K drainage	\$25.47	\$33.68	32.25	\$42.28	Austin Bridge & Road Services, LP
2	0081-13-064	I-35W/ I-35	I-35W at W. Graham bridge and on I-35 at Trietsch Branch	Upgrade bridge railing and approach railing	\$1.23	\$1.40	13.96	\$1.58	Ed Bell Constr. Co.
3	0122-01-043	US 287/ SH31	US 287 from I-45 to FM 637 and on SH 31 from Hill C/L to FM 55	Pavement repair, overlay and pavement markings	\$2.97	\$2.79	-6.23	\$3.63	Big Creek Constr., LTD.
4	1663-03-017	FM 744	Hill C/L to FM 55	Reconstr. existing pvmt/add shldr	\$15.13	\$12.34	-18.40	\$14.05	A. L. Helmcamp, Inc.
5	1014-02-044	FM 550	SH 205 to SH 276	Reconstr. existing pvmt/add shldr	\$6.70	\$6.88	2.63	\$7.75	Ed Bell Constr. Co.
	0918-47-180*	CS	Various locations in Dallas	Improve traffic signals	\$1.97	\$1.69	-14.10	\$2.24	Durable Spec., Inc.
ESTIMATED NOVEMBER 2019 TOTALS					\$53.47	\$58.79	9.94	\$24.03	
DISTRICT FY ACCUMULATIVE LETTINGS					\$70.20	\$75.92			
DALLAS DISTRICT FY LETTING VOLUME CAP					\$235.08				

*Unmapped.

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

DECEMBER 2019 PROJECTED LETTING PROJECTS (SUBJECT TO CHANGE)

	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)
1	0092-01-052**	US 175; SH 310	On US 175 from S. of Budd St. to I-45 and on SH 310 from Pennsylvania Ave. to N. of Al Lipscomb Way and from Lenway St. to Good Latimer	Reconstruct freeway to 6-lane divided arterial and reconstruct I-45 and S.M. Wright interchange	\$76.01
2	0522-01-023	SH 243	At FM 2515 and FM 2727	Intersection improvements	\$1.30
3	2555-01-012	FM 2578	FM 987 to SH 34	Reconstruct existing pavement and add shoulders	\$8.71
ESTIMATED TOTAL					\$86.02

** Project is an A+B bidding project.

COMPLETED CONSTRUCTION PROJECTS (FROM NOVEMBER 1-30, 2019)

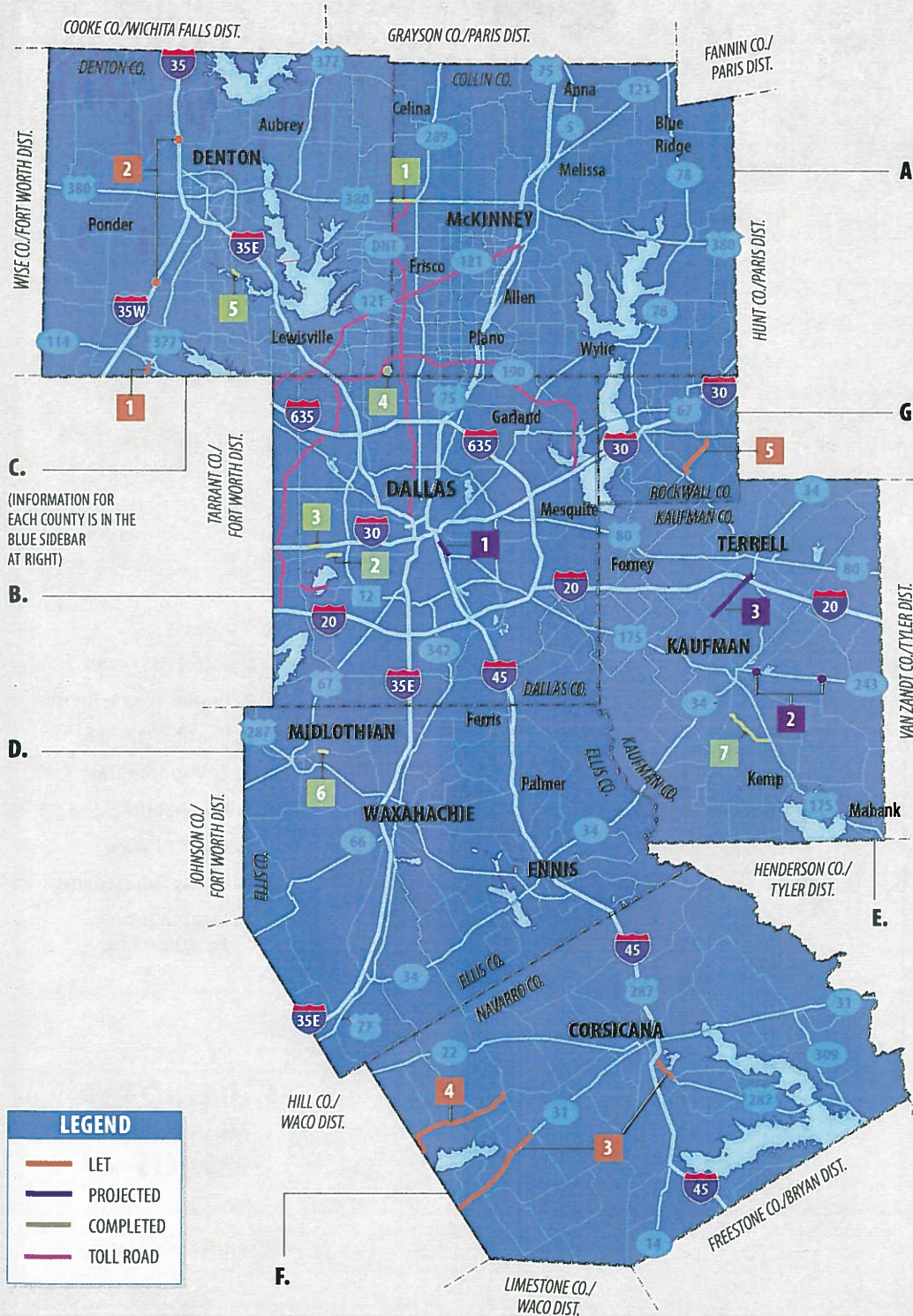
	CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. COST (M)	COMPLETED DATE
1	0135-11-018	US 380	West of CR 26 (Denton C/L) to CR 73 (Lovers Lane) East of SH 289	Widen Existing 4 Lane to 6 Lane Divided with Grade Separation @ SH 289 & DNT	\$57.98	11/18/2019
2	0008-08-076	SH 180	East of UPRR to West North Merrifield Rd	Mill, Overlay & Flexible Pavement Repair on Frontage Roads	\$1.12	11/26/2019
3	1068-04-122	I-30	Beltline to Mac Arthur Blvd	Construct 3 Lane Frontage Roads	\$25.19	11/22/2019
4	0918-46-291	CS	Frankford Road at Marsh Lane	Improve Traffic Signals	\$1.48	11/04/2019
5	2681-01-022	FM 2499	FM 2181 to Hickory Creek	Landscape Development	\$0.45	11/20/2019
6	1394-02-026	FM 1387	1.542 Miles North East of BU 287Q to 2.51 Miles North East of BU 287Q	Safety Treat Fixed Objects and Construct Paved Shoulders (1-4 FT)	\$1.00	11/04/2019
7	3190-01-012	FM 2860	FM 1388 to US 175	Overlay	\$1.10	11/04/2019
ESTIMATED TOTAL					\$88.32	

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 **November**, are projected to let in **December**, or have recently been completed.



C.
(INFORMATION FOR EACH COUNTY IS IN THE BLUE SIDEBAR AT RIGHT)

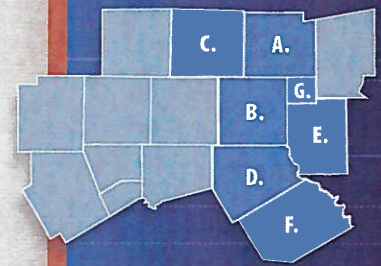
B.

D.

LEGEND

- LET
- PROJECTED
- COMPLETED
- TOLL ROAD

SOURCE: TxDOT research.
*POPULATION ESTIMATE: NCTCOG



2019 DALLAS DISTRICT ESTIMATE TOTALS

VEHICLE REGISTRATION | 4,085,742
*POPULATION ESTIMATE | 4,905,280
LANE MILES | 10,753.693

A. COLLIN COUNTY

VEHICLE REGISTRATION: 799,926
*POPULATION ESTIMATE: 1,010,330
LANE MILES: 1,462.514

B. DALLAS COUNTY

VEHICLE REGISTRATION: 2,155,995
*POPULATION ESTIMATE: 2,554,770
LANE MILES: 3,377.212

C. DENTON COUNTY

VEHICLE REGISTRATION: 680,143
*POPULATION ESTIMATE: 874,240
LANE MILES: 1,633.926

D. ELLIS COUNTY

VEHICLE REGISTRATION: 181,071
*POPULATION ESTIMATE: 189,820
LANE MILES: 1,526.862

E. KAUFMAN COUNTY

VEHICLE REGISTRATION: 124,760
*POPULATION ESTIMATE: 124,850
LANE MILES: 1,215.130

F. NAVARRO COUNTY

VEHICLE REGISTRATION: 52,355
*POPULATION ESTIMATE: 50,250
LANE MILES: 1,191.856

G. ROCKWALL COUNTY

VEHICLE REGISTRATION: 91,492
*POPULATION ESTIMATE: 101,020
LANE MILES: 346.193



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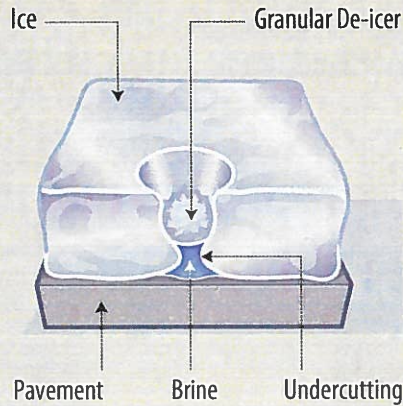
HOW DO THE CHEMICALS WORK?

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.



WHAT 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



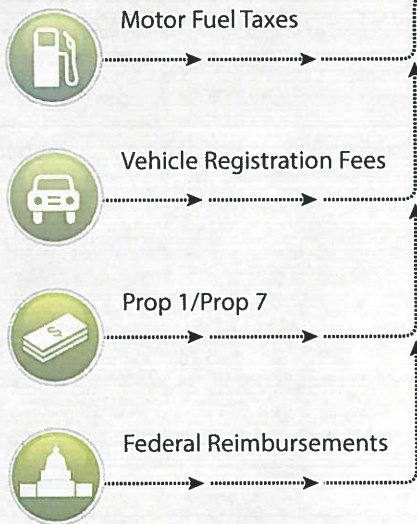
AFTER SNOW/ICE EVENT

- 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

TxDOT graphic

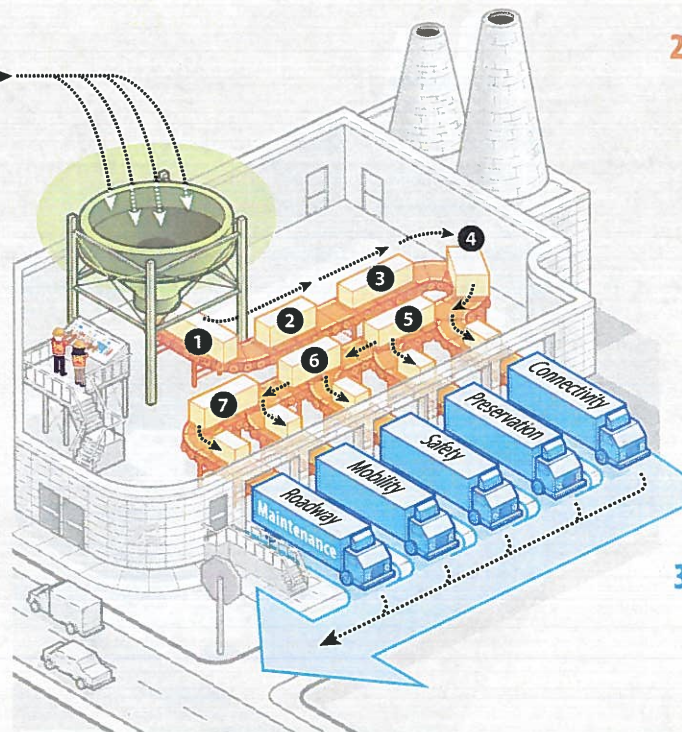
1. FUNDING SOURCES



2. ADVANCED PLANNING

1. Public Involvement
2. Feasibility Analysis
3. Environmental
4. Engineering
5. Right of Way
6. Utility Adjustment
7. Contractor Procurement

3. MOBILITY AND MAINTENANCE PROJECTS



SOURCE: Texas Department of Transportation

DEAN HOLLINGSWORTH/TxDOT Information Specialist

DALLAS DISTRICT | PROGRESS



TEXAS DEPARTMENT OF
TRANSPORTATION
4777 E. Highway 80
Mesquite, TX
75150-6643

FOR MORE INFORMATION:

214-320-4480
dalinfo@txdot.gov
www.txdot.gov



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>