

The West Loop Bus Lanes

Connecting Uptown Galleria
to advanced transit service

Project: Uptown Houston

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Alan C. Clark
Transportation Director
Houston-Galveston Area Council

Congratulations to all who made 2018 an excellent year for transportation investment, operations, and safety. Expanding transportation choices is a key theme of the 2045 RTP. Thanks to the work of the High Capacity Transit Task Force and many volunteers, a truly regional, eight-county vision for new transit services has been provided. In addition to stand-alone investments in transit and advanced transportation projects, many of the traditional highway investments are multi-modal including investments in sidewalks, bicycle paths, and trails. Much of the planning work in 2018 was devoted to the development of the new 2045 Regional Transportation Plan (RTP). With a price tag of almost \$130 billion, it reflects the transportation needs of a region expected to add more than four million new residents over the next 20 years. The Ten-Year Plan element of the 2045 RTP is illustrated in this report. I also appreciate the commitment of the Transportation Policy Council (TPC) to safer travel in the Houston-Galveston region. The Tow and Go program and incident management activities funded by TPC showed a 5% decrease in crashes on freeways currently part of the program. This year, Tow and Go expands within Harris County and, very soon, to other counties in our eight-county urban region. With financial support from TPC, we will initiate a safety education campaign and offer high crash intersection safety audits to our local governments and transportation agencies. This work will be overseen by a newly appointed transportation safety committee which reports to the TPC. Increasing safe travel by all modes does not happen without a concentrated team effort. It requires the sustained hard work of our many partners, including transportation agencies, local governments and businesses, law enforcement, education, and safety advocates of all kinds to produce positive results. And I particularly appreciate the work of our local media for their excellent, in-depth reporting on key safety issues this past year. Sometimes, the most remarkable events are those that do NOT happen. As illustrated in this year's Mobility Report, fatalities and serious injuries from vehicle crashes declined regionally after multiple years of double-digit or near double-digit increases. Serious and severe injuries declined making this our new safety trend.



Mobility Report 2018

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TRENDS in the REGION



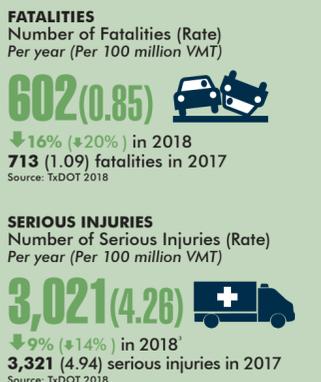
The 2018 Mobility Report summarizes key transportation and economic performance indicators that reflect the region's progress toward achieving a safe, reliable, multimodal transportation system. This year, we introduce new travel time reliability performance measures for personal travel and truck travel. The Houston-Galveston Area Council worked with the U.S. Department of Transportation, Texas Department of Transportation (TxDOT), and regional transit providers to identify new performance measures and targets to better guide policymakers' investment decisions. These new performance measures were also used to develop the new 2045 Regional Transportation Plan (RTP).

IMPROVING SAFETY
The safety performance measures focus on the number and rate of fatalities and injuries for drivers and occupants, bicyclists, and pedestrians. In 2018, the number of fatalities decreased 16% to 602 and serious injuries decreased 9% to 3,021. Non-motorized fatalities are down 15% to 160 and non-motorized serious injuries remain at 422.

H-GAC continues to work with local governments to improve safety through law enforcement, public outreach, education, and the management of high-volume roadways.

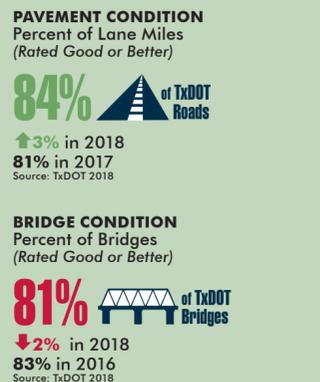
ASSET MANAGEMENT AND OPERATIONS
TxDOT continues to make improvements to its roadway system. The overall condition of the region's infrastructure has remained stable over the past few years. The percentage of TxDOT roadways rated "good or better" increased to 84% in 2018. Bridge conditions decreased to 81%.

Improving Safety



The response time needed to clear a major incident on area freeways decreased 4% from 33.3 minutes to 31.8 minutes, as reported by Houston TranStar. This decrease is due in part to the Tow and Go program which launched in May 2018.

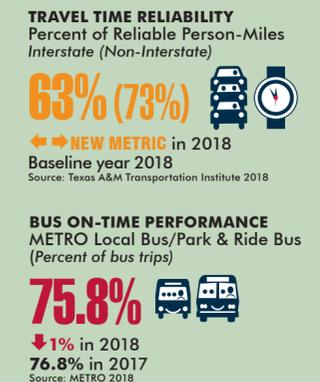
Asset Management and Operations



Bus vehicle reliability improved 2% to 11,016 miles in 2018.

CONGESTION MITIGATION
Travel on the roadway system increased 5% to an estimated 194 million vehicle miles per weekday.

Congestion Mitigation

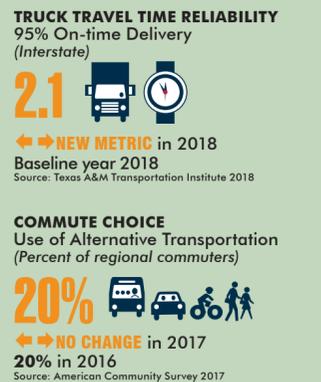


This corresponds to the 108,000 jobs added to the region's economy. Travel reliability is when the travel time of a roadway remains consistent. Based on current methodology, 63% of miles traveled on the region's interstate roadways are reliable. The region's non-interstate roadways are more reliable at 73%.

Transit ridership in the region increased 3% with 91 million passenger boardings in 2018 due to recovery from Hurricane Harvey and METRO system improvements. Bus on-time performance decreased slightly to 75.8%.

ECONOMIC COMPETITIVENESS
The 2045 RTP identifies truck travel reliability and commute alternative usage as two indicators of economic competitiveness. Truck travel time reliability assesses how reliable freight movement on the interstate is with a high standard of 95% on-time

Economic Competitiveness



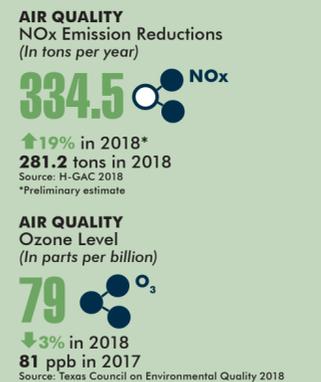
deliveries. The base figure is 2.1, which means a truck trip of 30 minutes requires 63 minutes for the truck to arrive on-time 95% of the time.

The percentage of the region's commuters who use an alternative mode of transportation to work at least once a week remains unchanged at 20%. This includes transit, vanpool, carpool, biking, walking, and teleworking.

NATURAL AND CULTURAL RESOURCES
H-GAC supports vehicle emissions reductions through funding and promotion of alternative commute options and the accelerated replacement of older diesel vehicles with newer, cleaner models. In 2018, these programs reduced 334.5 tons of NOx. This figure is 19% higher than in 2017 due to new participation in the Clean Vehicles Program.

The region's three-year average of the ozone level decreased

Natural and Cultural Resources



LEGEND

GREEN - Positive Effect
RED - Negative Effect
ORANGE - No Discernible Effect

↑ Net Increase
↓ Net Decrease
↔ Slight or No Net Change

3% to 79 parts per billion (ppb) which remains above the new national ambient air quality standard of 70 ppb.

SUMMARY
The Houston-Galveston region depends on a safe, efficient, and reliable transportation system to maintain its economic success and overall quality of life. This report provides a snapshot of the performance information available. For additional transportation performance measures, visit h-gac.com/regional-mobility-report.

H-GAC Ten-Year Transportation Plan

FY 2019-2028

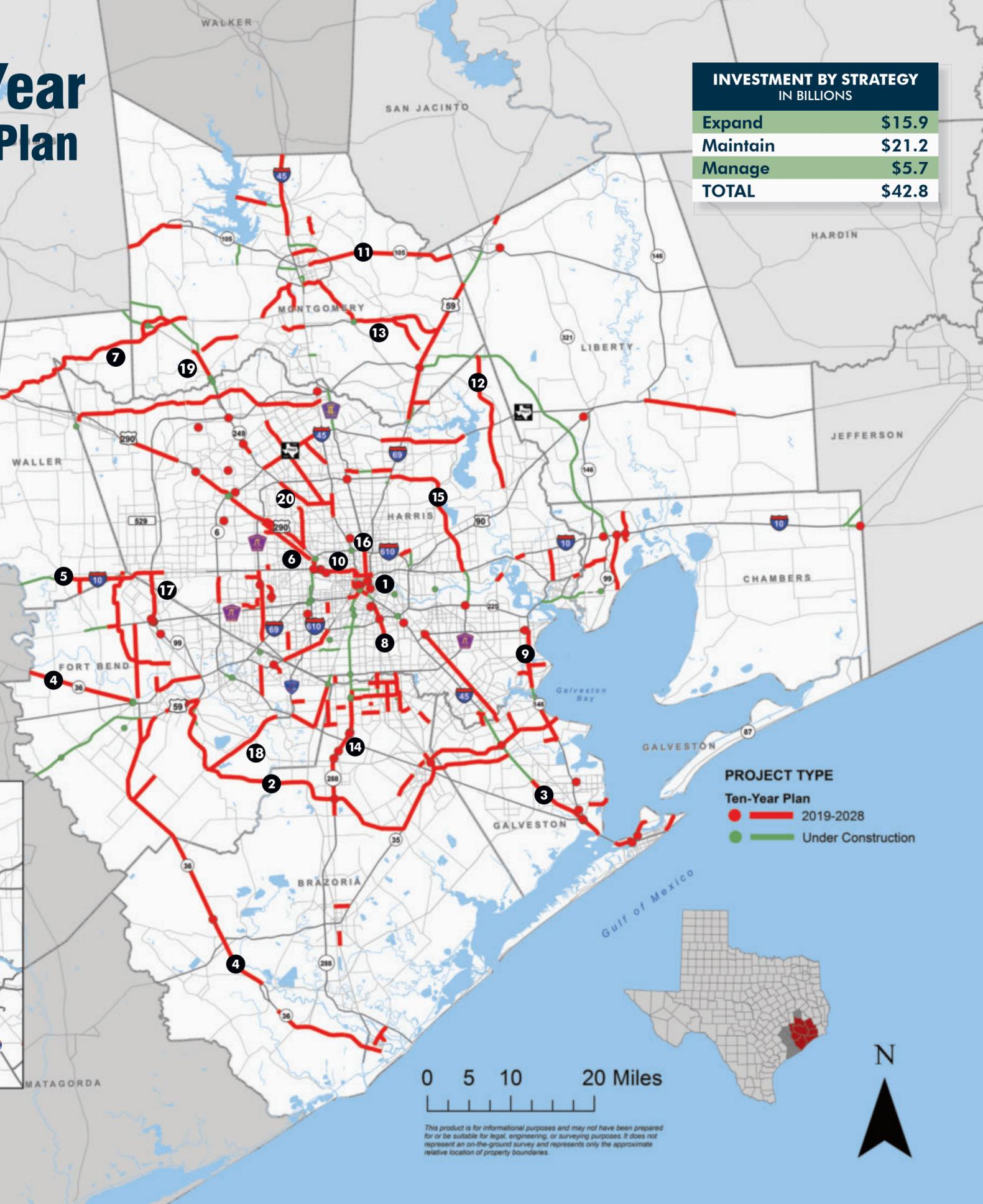
\$42.8B

INVESTMENT BY STRATEGY IN BILLIONS	
Expand	\$15.9
Maintain	\$21.2
Manage	\$5.7
TOTAL	\$42.8

IH 610 Inset



FOR MORE INFORMATION
h-gac.com/regional-mobility-report
h-gac.com/ten-year-plan



PROJECT TYPE
 Ten-Year Plan
 ● 2019-2028
 ● Under Construction

0 5 10 20 Miles

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.



Top 20 Roadway Investments FY 2019-2028

IN MILLIONS

PROJECT	COST
1 IH 45 NORTH - North Houston Highway Improvement Project	\$3,600
2 SH 99 GRAND PARKWAY SEGMENTS B & C	\$1,800
3 IH 45 SOUTH	\$963
4 SH 36	\$763
5 IH 10 WEST	\$692
6 HEMPSTEAD HIGHWAY	\$610
7 FM 1488 & MAGNOLIA BYPASS	\$378
8 SH 35	\$375
9 SH 146	\$348
10 IH 10 WEST BUS RAPID TRANSIT	\$316

PROJECT	COST
11 SH 105 EAST	\$314
12 FM 2100	\$305
13 SH 242/ FM 1314/ FM 1485	\$298
14 SH 288	\$280
15 BELTWAY 8 EAST	\$260
16 HARDY TOLL ROAD DOWNTOWN EXTENSION	\$250
17 SH 99 GRAND PARKWAY SEGMENT E	\$248
18 FORT BEND TOLLWAY EXTENSION	\$240
19 SH 249 TOLLWAY EXTENSION	\$200
20 SH 249	\$141