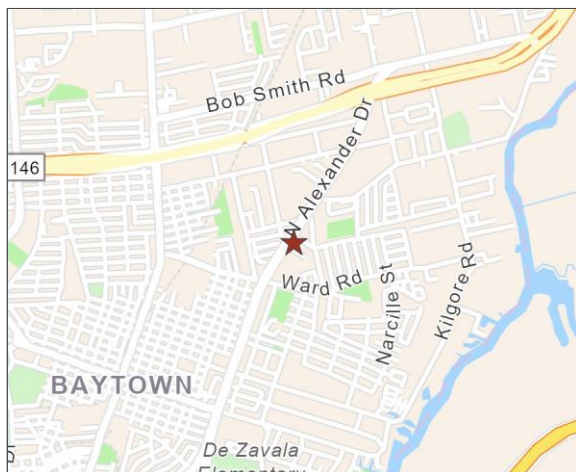
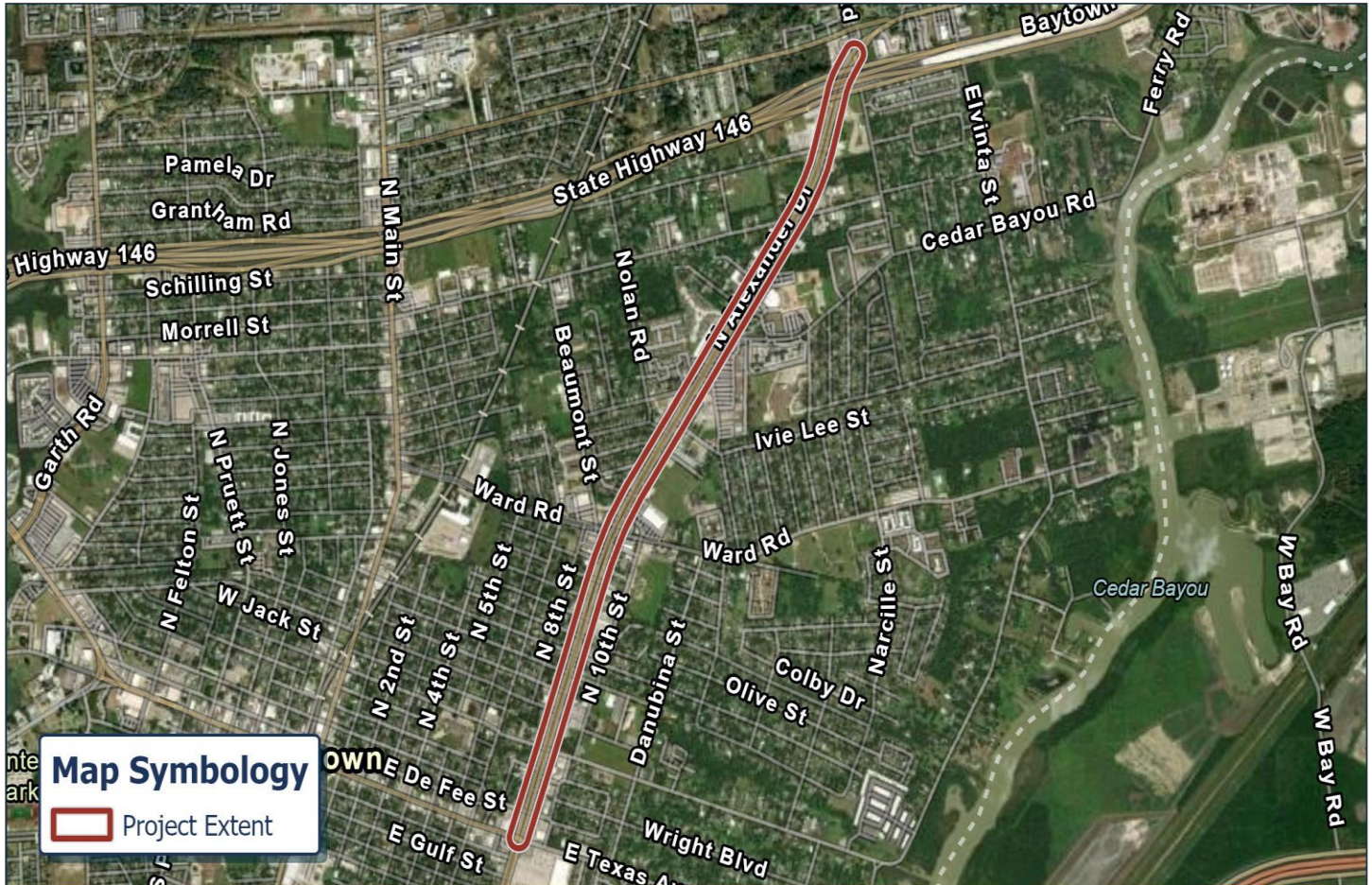




North Alexander Traffic Signal Relocation Program



- Location:** North Alexander Drive from East Texas Avenue to McKinney Road.
- Description:** Replacement and reprogramming of traffic signals along North Alexander.
- Benefits:** Facilitate mobility for anticipated population growth in Harris County and enhance safety for the traveling public by improving traffic signals to improve traffic flow.

Project Timeline

Grant Application	Grant Award	Design Start	Construction Start
-	-		2026

Project Budget

\$7,499,000

Bond Funding	\$7,499,000
Grant Funding	\$0



North Alexander Traffic Signal Relocation Program (Page 2)



Additional Information

The purpose of this project is to replace the traffic signals along North Alexander between SH146 and SH99. There are eight signalized intersections along this corridor, and they have reached the end of their useful service life. This project will replace the traditional physical intersection components (poles, signal heads, signal boxes, mast arms, etc.) The project will also replace the traffic signal controllers which have also reached the end of their useful life. A traffic signal controller is the computer that is located within the traffic signal box located at each intersection. The new controllers will allow for a much more sophisticated operation of the traffic signals. Newer traffic signals within Baytown operate with a technology called adaptive traffic. Adaptive traffic allows the traffic signals to count the number of vehicles that traverse an intersection and, in real time, adjust the timing of all of the intersections along that corridor to best manage the flow of traffic. The old controllers that currently service the North Alexander corridor do not allow for the use of adaptive traffic technology. The old controllers simply do not have the computing power to operate the software.

Presently the design for four of the eight intersections is complete. This work was done in 2024 / 2025 and cost approximately \$600,000. The funding request of \$7,499,000 will cover the design of the remaining four intersections as well as the cost of constructing all eight intersections.

Estimated Cost - North Alexander Signals:

Design of remaining 4 intersections:	\$600,000
Construction cost per intersection: \$800,000 X 8 intersections =	\$6,400,000
Materials Testing / Inspection / contingency:	\$499,000
Total:	\$7,499,000

Length (Miles)	Paving Construction	Drainage Construction	Water Construction	Sanitary Sewer Construction	Intersection Construction	ROW Acquisition Cost	Engineering (15% Const.)	Const. Mgmt. (3% of Const.)	Total Project Cost
N/A	No	No	No	No	Yes	No	Yes	Yes	\$7,499,000

Project Timeline

Grant Application	Grant Award	Design Start	Construction Start
-	-		2026

Project Budget

\$7,499,000

Bond Funding	\$7,499,000
Grant Funding	\$0