



City Council
December 9, 2024

Lakewood Drive Alignment Study

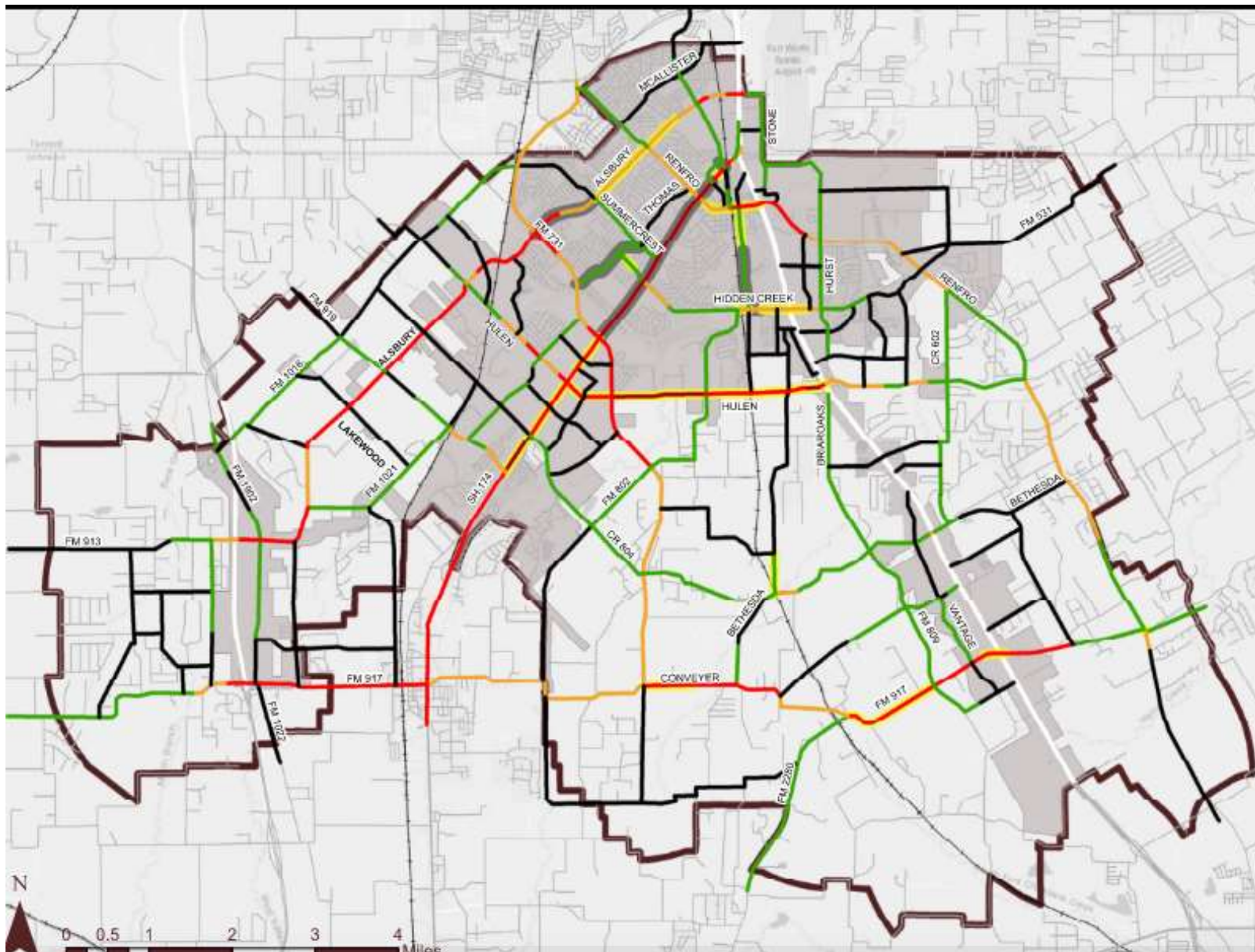
Lakewood Drive

Section from SH 174 to CR 1022

- 4-lane divided to Buffalo Run
- 2-lane divided from Buffalo Run to CR 1021

Section from CR 1020 to FM 1902 is currently under construction as a 4-lane divided roadway

Estimated future volume – 20,000 – 24,000 vehicles per day



Roadway	Limits	2023 Build-Out Volume Ranges	Functional Classification	
			2015 MTP	2023 TP
CR 914/Lakewood Drive	SH 174 to Western Limits	10,400 - 22,700	Principal Arterial	Major Arterial

Lakewood Dr.

Under construction –
CR 19020 to FM 1902

Existing section of
Lakewood Dr.

Legend

- Freeway
- Principal Arterial
- Major Arterial
- Minor Arterial
- Major Collector
- Minor Collector

Included on the city's MTP as an arterial roadway

Ultimately, will provide alternate connectivity for the following –

- From tollway to SH 174
- From tollway to IH35W via Alsbury Blvd.

Under construction from CR 1020 to FM 1902

Schematic for Lakewood Dr. extension as major through movement under currently under design

Transportation Improvement Plan (TIP)

Construction Costs continue to increase, making funding challenging

TIP is TxDOT's 4-year capital improvement project

- Short-term programming document
- Serves to support long-range statewide transportation plan
- Projects included in TIP expected to begin construction within 4 years
- Projects eligible to be partially or fully funded

Requirements for eligibility

- Roadway has to be included in the Federal Functional Classification Systems (FFCS) as a major collector or above
- Included in the NCTCOG Mobility Plan
- Included in a TIP

Traffic study with conceptual plan and high-level costs is the first step towards discussions with NCTCOG to begin the process of requesting Alsbury Blvd. to be included in the FFCS and subsequently in a TIP program

Schedule/Deliverables

Data Collection

- NTP – December 2024
- Traffic data
- Aerial /LIDAR
- Record Drawings
- Field observations

Traffic Study

- Evaluate existing and proposed conditions
- Estimate projected hourly traffic conditions
- Existing intersection analysis
- Prepare up to four alignment options

Alignment Study/Conceptual Design

- Horizontal plan layout
- Developer typical sections
- Conceptual level OPCC for each option
- Conceptual design of selected option

Contract Completion

- May 2025

Action Requested

Approve a professional services agreement with Kimley-Horn and Associates, Inc. for \$60,000.00 to evaluate alignment options for Lakewood Dr. from CR 1020 to CR 1021

Staff Contact:

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