



# Hulen Street Widening Project Update

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PRESENTED TO CITY COUNCIL

APRIL 15, 2024

# Outline

- Project Background
- Project Status
- Updated Cost Estimates
- April 3<sup>rd</sup> Infrastructure & Development Committee Feedback
- Council Feedback

# Hulen Street Improvement Projects

Current project combines three projects (two GO Bond projects, corresponding Water Bond project)

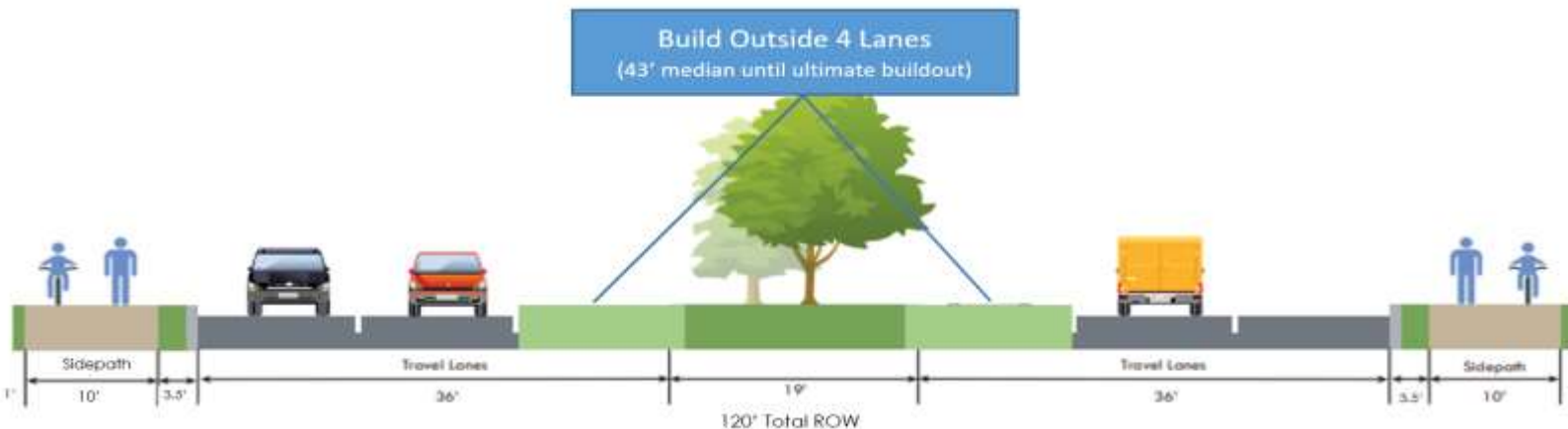
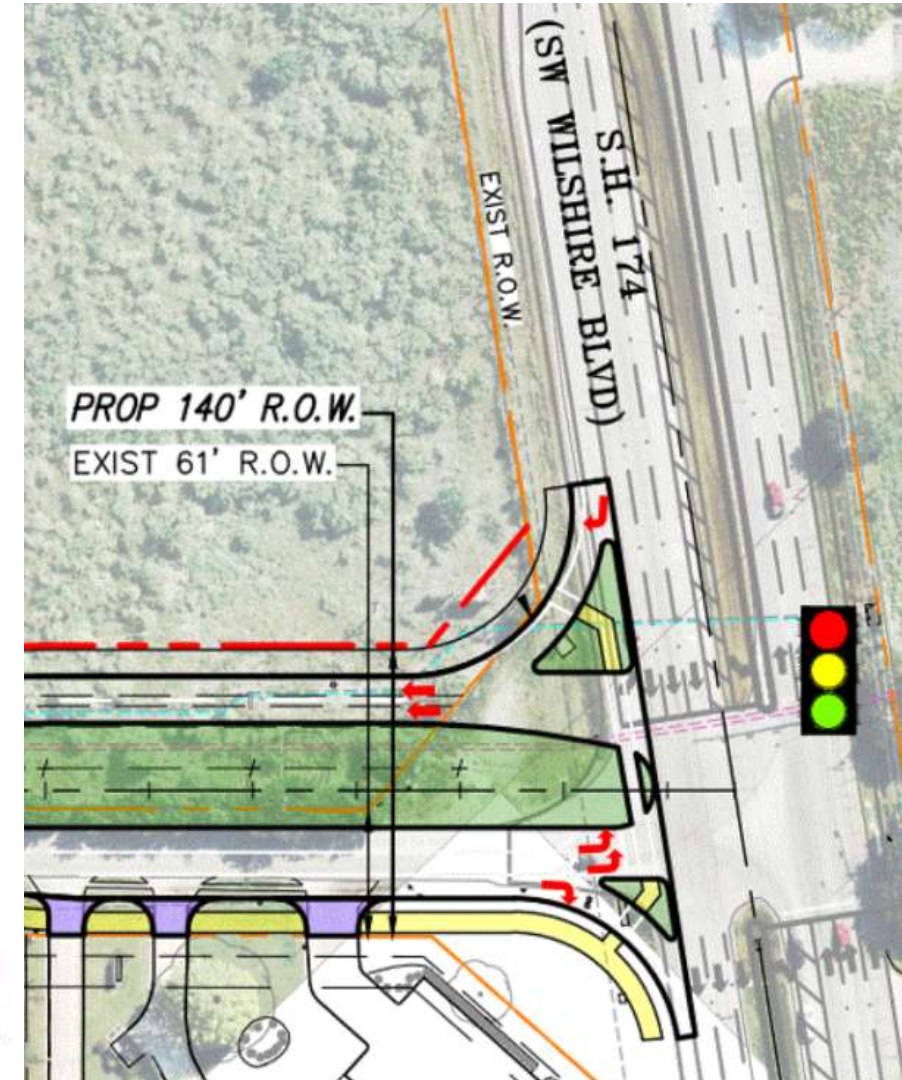
 <h3>Hulen Street Wilshire Intersection Improvements</h3> <p>Design and construction of the expansion of the intersection to its ultimate capacity with three northbound lanes, three southbound lanes, dual left turn lanes, and one dedicated right turn lane.</p>  	 <h3>Hulen Street Kelly Drive to Candler Drive</h3> <p>Design and construction of a divided, two-lane roadway with the ability for future expansion.</p>  
<p><i>Estimated Project Cost:</i> \$1,701,027</p>   <p>Design Construction</p>	<p><i>Estimated Project Cost:</i> \$7,803,653</p>   <p>Design Construction</p>

Voter-approved G.O. Bond Projects

# Hulen St Widening - SH 174 to Candler & 16" Waterline

## Project includes:

- Hulen Street reconstruction of two lanes and **possible expansion to four lanes** within ultimate six-lane right-of-way (SH174 to Candler Drive)
- At SH174 intersection: dual left turn lanes (onto NB SH174) and one right-turn lane (onto SB SH174)
- 10' shared use path on each side
- 16" lower pressure plane water line and sewer extensions crossing Hulen Street to facilitate future development



# Funding Summary

(Current CIP including Amendments Approved 12/11/2023)



Funding Source	Previously Issued Debt	FY24	FY25	Totals
Street & Drainage Bonds	\$1,620,000	--	--	<b>\$1,620,000</b>
2022 GO Bond	--	\$2,000,000	\$7,504,680	<b>\$9,504,680</b>
(TIRZ) Debt Capacity*	--	--	<del>\$4,630,029</del> <b>\$2,208,235</b>	<del>\$4,630,029</del> <b>\$2,208,235</b>
Water & Sewer Bonds	--	\$464,889	\$3,405,768	<b>\$3,870,657</b>
Cash*	--	--	<b>\$879,259</b>	<b>\$879,259</b>
Roadway Impact Fees*	--	--	<b>\$1,542,535</b>	<b>\$1,542,535</b>

**Total Project  
\$19,625,366**

\*Project budget amended by Council 12/11/2023 as part of Police Headquarters Expansion Project budget increase

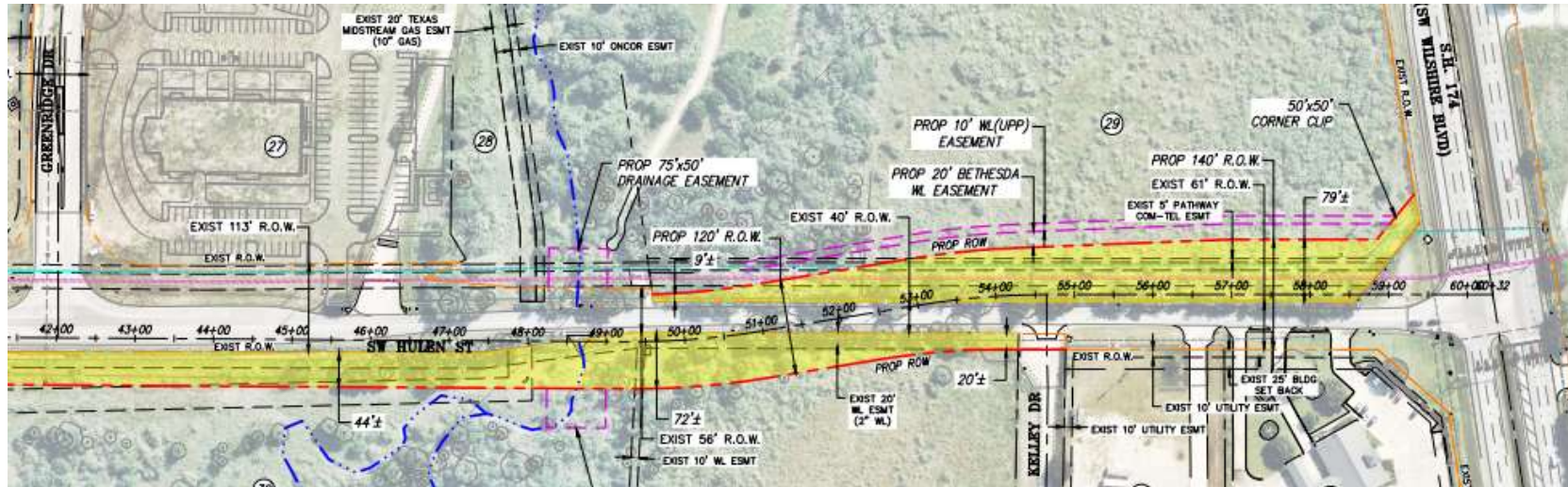
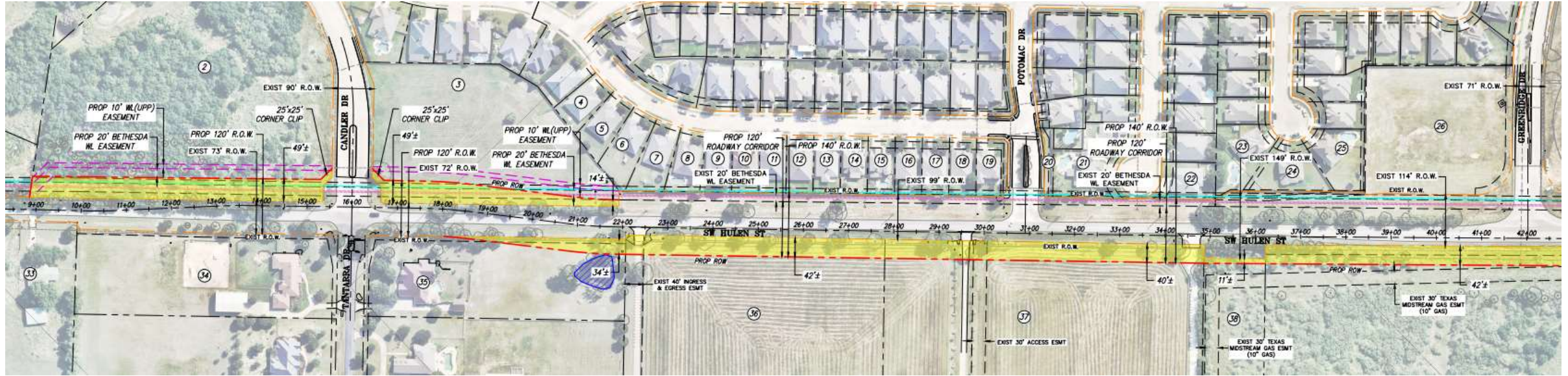
Estimated Budget By Phase		
Design	ROW & Utility Relocations	Construction
\$2,312,600	\$2,396,000	\$14,916,700

# Project Progress

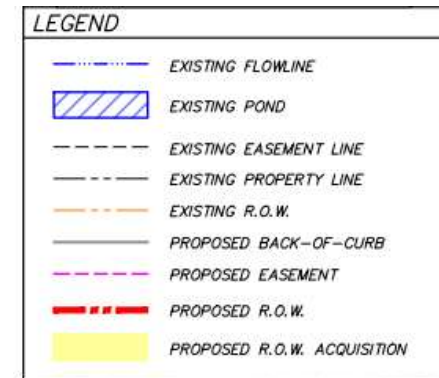
- ❑ March 2023: Council awarded professional services contract to Teague Nall and Perkins, Inc. (TNP)
- ❑ September 2023: TNP completed all survey and level B subsurface utility engineering efforts to determine existing right-of-way, easements, and horizontal placements of existing utilities
- ❑ January 2024: Preliminary Design Schematic submitted to the City
- ❑ February 2024: Review workshop with City staff



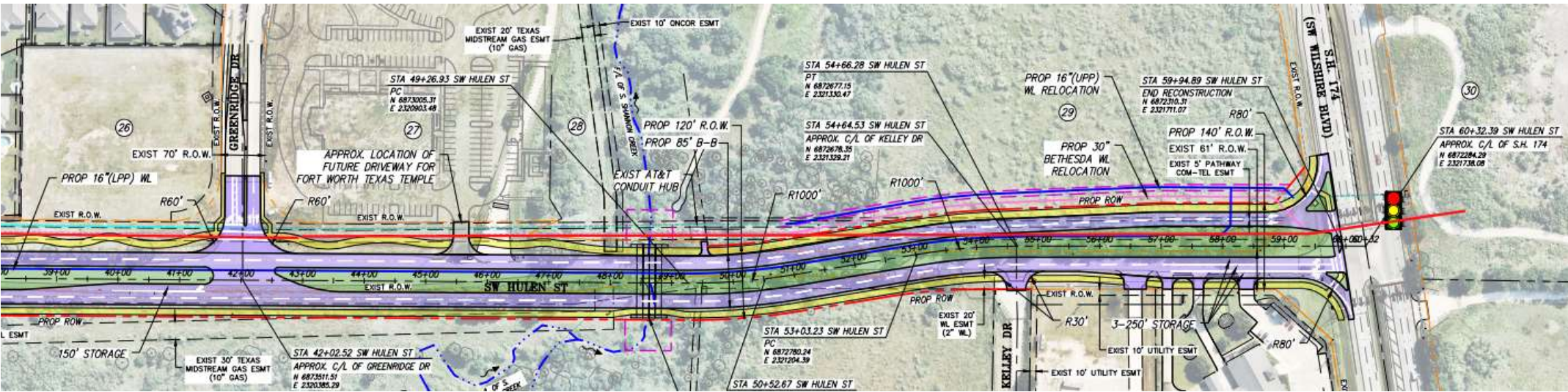
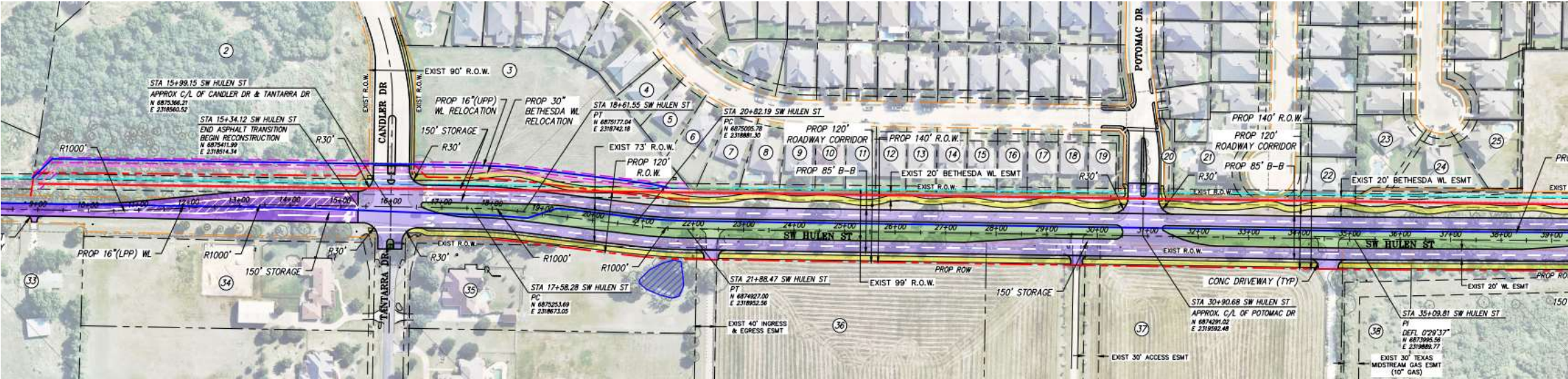
# Preliminary Design ROW Analysis



Main Lanes-Proposed 120' ROW  
Hulen & SH174 intersection- 140' ROW



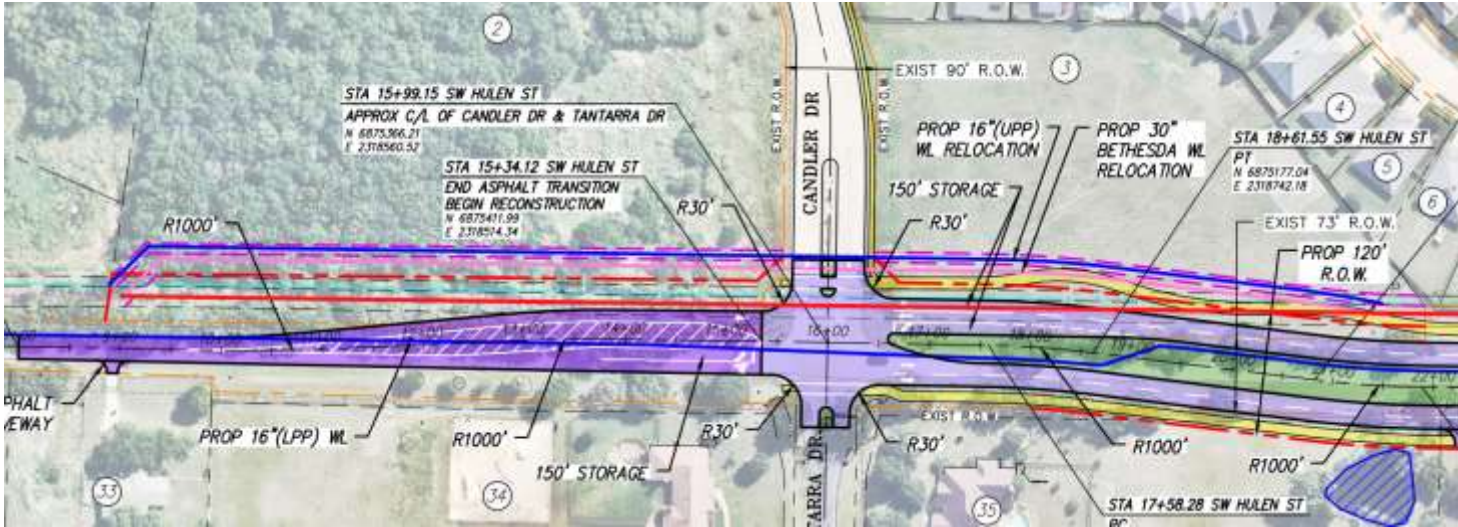
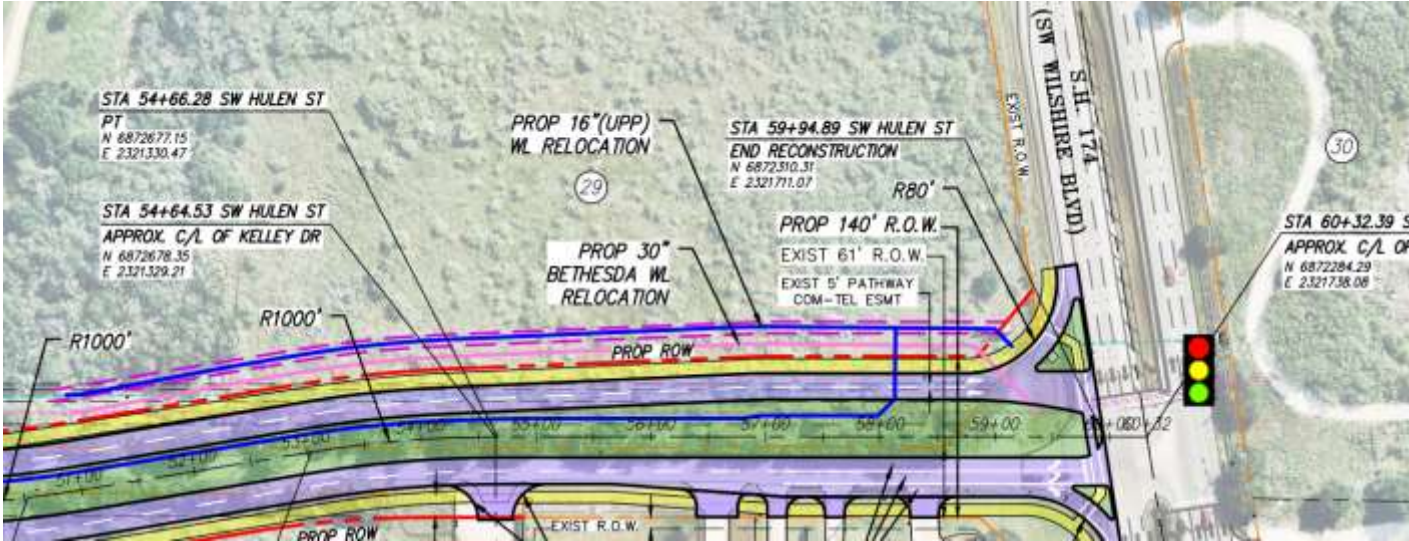
# Preliminary Design Schematic





# Critical Path - Utilities

- ❑ Bethesda and City Water Lines
  - ❑ Exclusive 20' Bethesda Easement with 30" line (project pays for relocation)
  - ❑ Current alignment relocates approximately 2,135 LF of 30" & City's 16" Upper Pressure Plane line (approx. additional \$2.36M - light pink and blue lines)
  - ❑ Met with Bethesda March 14th - additional SUE requested (field work underway) to explore options to avoid/reduce relocations
- ❑ Oncor overhead electric - coordination underway; cost estimate and schedule pending



# Budget Recap and Updated Cost Estimates

Full 4-lane Project Estimates				
	Design	ROW & Utility Relocations	Construction	Project Total
Budget	\$2,312,600	\$2,396,000	\$14,916,700	\$19,625,366
Current Estimates	\$2,312,600	\$4,040,000	\$25,128,102	\$31,480,702

Original 2021 drafted budget did not include Bethesda and City water line relocations, landscaping, or full storm drainage system

**(\$11.9m)**

**Updated project cost estimates necessitate a broader amendment to the Five-year CIP over the coming months**

# Potential Paths Forward



Budget By Phase - Construction of 4 lanes			
Design	ROW & Utility Relocations	Construction	Total Project Budget
\$2,312,600	\$2,396,000	\$14,916,700	<b>\$19,625,366</b>

Estimates By Phase (March 2024 TNP Estimates)				
Design	ROW & Utility Relocations	Construction	Project Scope	Total Project Estimate
\$2,312,600	\$4,040,000	\$25,128,102	Four lanes; two - 10' shared use paths; ultimate storm drainage; ultimate ROW	<b>\$31,480,702</b>
	\$4,040,000	\$20,685,677	Two outside lanes; one - 10' shared use path; ultimate storm drainage; ultimate ROW	<b>\$27,038,277</b>
	\$1,677,000	\$15,200,760	Two inside lanes; one - 10' shared use path; interim storm (bar ditches); ultimate ROW; no waterline relocation	<b>\$19,190,360*</b>

*\* Not recommended but included for context of what could be feasible within current budget*

# Possible Timeline Ahead



Franchise Utility Relocation & Easement Acquisition  
(February - October 2025)

**July 2024**

Finalize Preliminary Design Report with Utility Relocation Revisions

**September 2025**

Complete final design

**January 2026**

Begin Construction

**November 2027**

Complete Construction

END

**June 2024**

Hold Public Meeting

**February 2025**

Complete 60% Design

**December 2025**

Award Construction Contract (City Council)

Staff will recommend construction funding planned in FY25 be moved to at least FY26 in 5-Year CIP update for FY25-FY29  
Project cost estimate necessitates a broader amendment to the Five-year CIP over the next several months

# Infrastructure & Development Committee Feedback



- Evaluate the possibility of building half of the four-lane section (west side) while keeping the existing two-lane asphalt roadway open as an interim option of a four-lane roadway
- Explore potential future funding sources (Johnson County Bond program, TxDOT / NCTCOG, etc.) to be investigated

# Requesting Council Feedback

Proceed with designing reconstruction of:

- Full four-lane project (~\$31.5m)
- Two outer lanes and ultimate storm drainage (~\$27m)

Explore feasibility and cost of building one-half of the full project  
(west / south lanes)

**Council will have input on updating the Five-year CIP for FY25-FY29 over the coming months – including any adjustments that may to identify funding needed to construct the project as early as FY26 when design and land acquisition are scheduled to be complete allowing utility relocations and construction to begin.**

# Questions / Discussion

Tiana Jackson, P.E., CFM

Project Manager and Capital Engineering Manager

[tjackson@burlesontx.com](mailto:tjackson@burlesontx.com)

817-426-9619