

RECONSTRUCTION

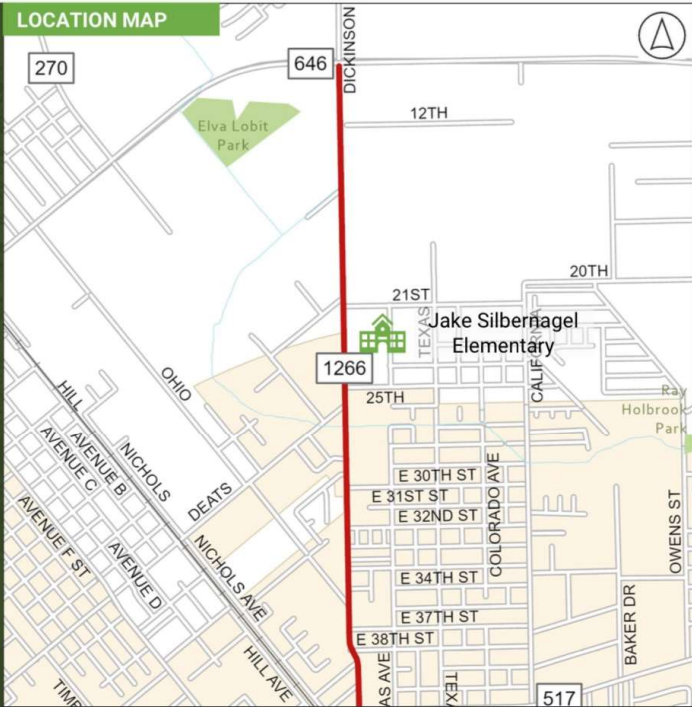
DICKINSON AVE

LIMITS
From FM 646 to
FM 517

OBSERVED ROW
70 - 90 ft

LENGTH
2.0 Miles

TOTAL COST
\$ 52.82 million



PURPOSE

Revamps Dickinson Ave into a complete street that prioritizes the safety and comfort of pedestrians and bicyclists. Providing safe access between high-density residential areas, Jake Silbernagel Elementary School, and various commercial establishments all along this major corridor.

NEED

- Safety → ●●●●●●●●
- Mobility → ●●●●●●●●
- Access → ●●●●●●●●
- Economic Development → ●●●●●●●●
- Environmental Justice and Equity → ●●●●●●●●
- Elimination of Barriers → ●●●●●●●●

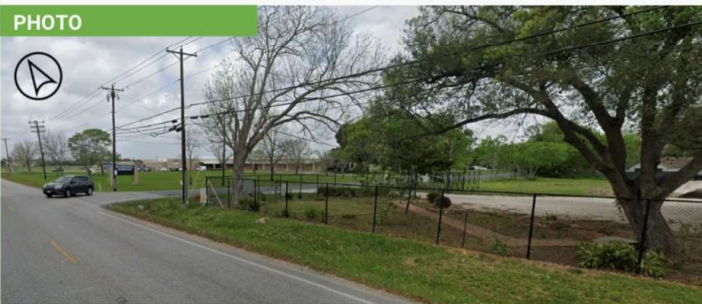
DICKINSON AVE

LIMITS
From FM 646 to
FM 517

OBSERVED ROW
70 - 90 ft

LENGTH
2.0 Miles

TOTAL COST
\$ 52.82 million



EXISTING CONDITIONS

- Missing sidewalks
- Asphalt
- Open ditch on both sides
- Insufficient streetlights
- Missing turning lanes
- Traffic signal in span wire at the intersection of Dickinson Ave and FM 517 and the intersection of Dickinson Ave and 646



DICKINSON AVE

PROPOSED SCHEMATIC

LIMITS
From FM 646 to
FM 517

OBSERVED ROW
70 - 90 ft

LENGTH
2.0 Miles

TOTAL COST
\$ 52.82 million

PROPOSED IMPROVEMENTS

- Reconstruct roadway to curb and gutter with concrete pavement
- Install continuous two-way left turn lane
- Install 8' wide shared use path on both sides of the corridor with 4' buffer
- Install streetlights on both sides of the corridor
- Widen the bridge at the West Gum Bayou crossing near the intersection of Dickinson Ave and Deats Rd
- Upgrade traffic signal to mast arm at the intersection of FM 517 and Dickinson Ave, and the intersection of Dickinson Ave and 646
- Install new ADA ramps, crosswalks, pavement markings as needed along the entire corridor
- Waterline and sanitary sewer replacements and adjustments as required
- Relocate utilities as needed

LIMITS

From FM 646 to
FM 517

OBSERVED ROW

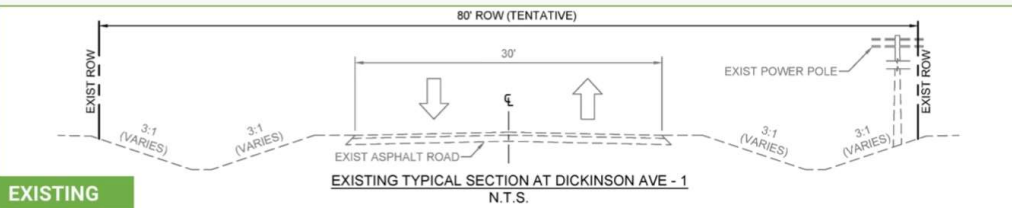
70 - 90 ft

LENGTH

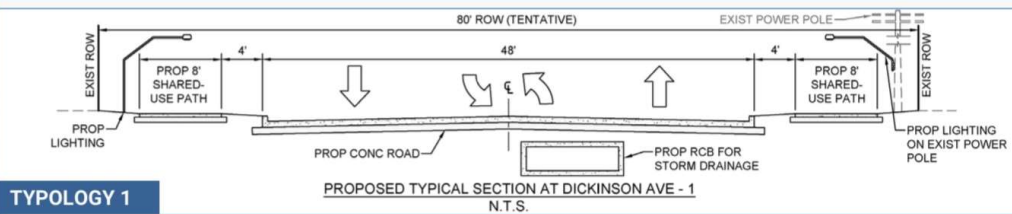
2.0 Miles

TOTAL COST

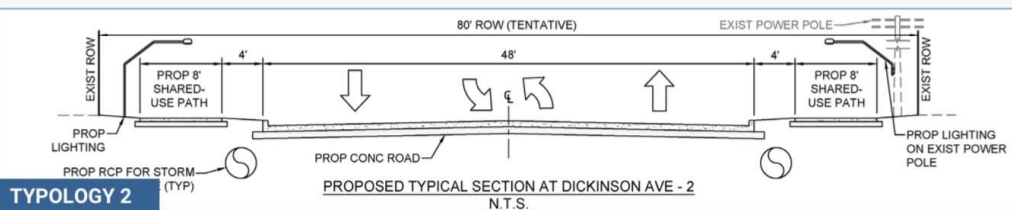
\$ 52.82 million



EXISTING



TYPOLGY 1



TYPOLGY 2

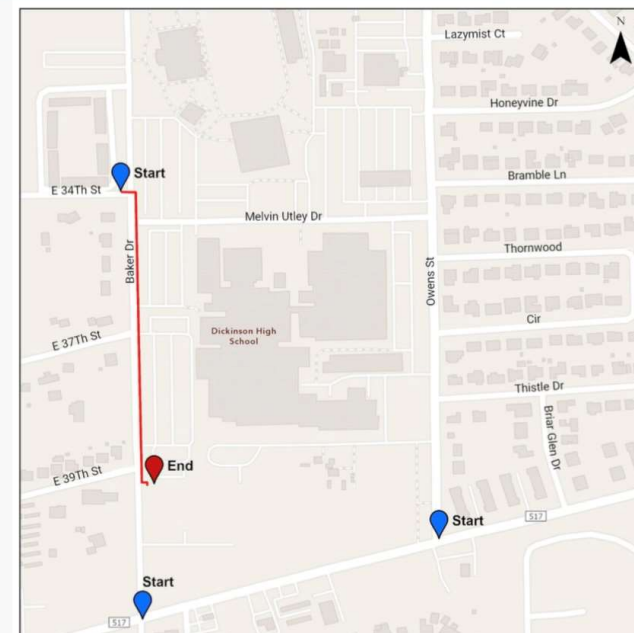
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Project Information

- Project Location
 - Baker Drive: Existing Sidewalk near 39th Street to 34th Street
 - Intersection of Baker Drive and FM 517
 - Intersection of Owens Street and FM 517
- Total Project Cost \$3.5M
 - Federal Share: \$2.8M
 - City's Share: \$700K

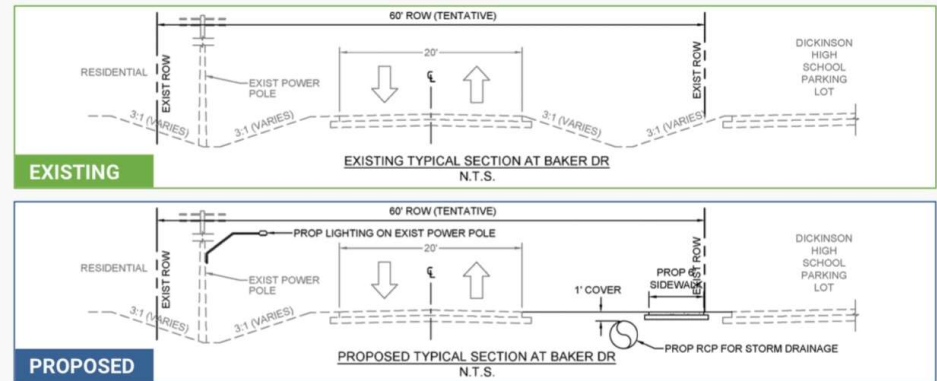


EXISTING CONDITIONS

- Missing sidewalks
- One way stop at the intersection of Baker Drive and 34th Street
- Insufficient streetlights

PROPOSED IMPROVEMENTS

- Install 6' wide sidewalk on east side of Baker Drive
- Install streetlights
- Baker Drive and 34th Street intersection safety improvement
- Drainage improvements as required to install sidewalk

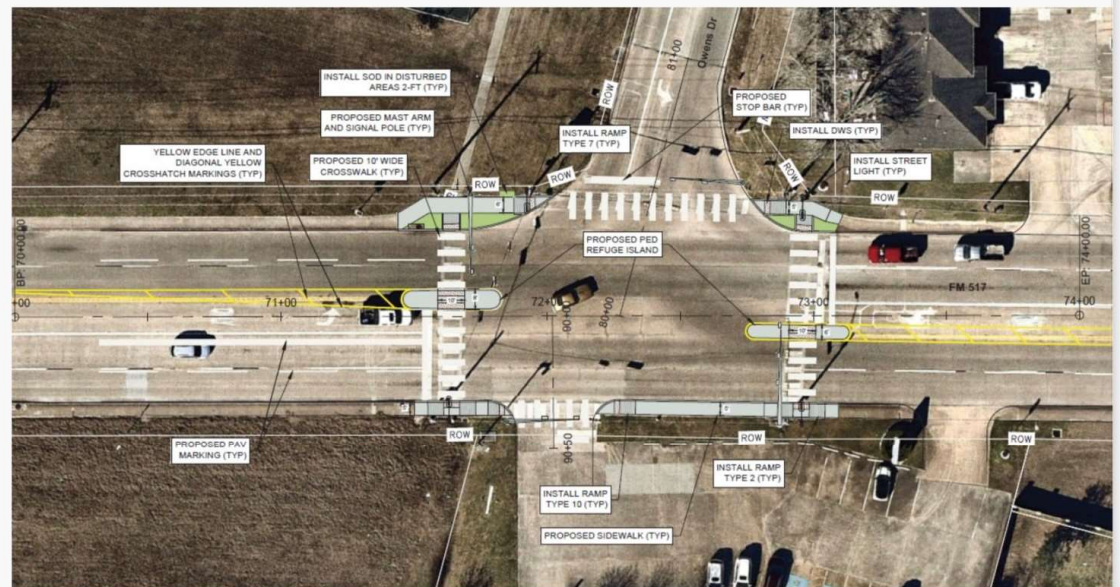


EXISTING CONDITIONS

- Span wire traffic signal
- 12'-13' wide travel lanes
- Sidewalks in fair to poor shape
- Crosswalk was recently paved

PROPOSED IMPROVEMENTS

- Convert traffic signal from span wire to mast arm
- Install ped refuge islands at the both sides of the intersection
- Narrow through lanes to 11' wide
- Upgrade existing sidewalk
- Upgrade ADA ramps at the intersection
- Relocate utilities as needed



EXISTING CONDITIONS

- Pedestrian crossing with no traffic control devices
- Sidewalks in fair to poor shape
- Insufficient streetlights



PROPOSED IMPROVEMENTS

- Install new traffic signal along with new pedestrian signals
- Restripe the crosswalk to make it better align with the intersection
- Install and upgrade Americans with Disabilities Act (ADA) ramps
- Install new streetlights
- Relocate utilities as needed

