



Historical Studies Research Design

Reconnaissance Survey

Project Name: Farm-to-Market 2931 (FM 2931)

Project Limits: FM 428 to US Highway 380 (US 380)

District(s): Dallas District

County(s): Denton

CSJ Number(s): 2979-01-011

Principal Investigator: Elizabeth Porterfield, Hicks & Company

Report Completion Date: October 2020

This historical studies research design is produced for the purposes of meeting requirements under Section 106 of the National Historic Preservation Act, the Antiquities Code of Texas, and other cultural resource legislation related to environmental clearance as applicable.

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Project Identification

- Report Completion Date: 10/9/2020
- Anticipated Date(s) for Fieldwork: 10/26/2020
- Anticipated Survey Type: ☐ Windshield ☒ Reconnaissance ☐ Intensive
- Research Design Version: ☒ Draft ☐ Final
- Regulatory Jurisdiction: ☒ Federal ☐ State
- TxDOT Contract Number: 36-6IDP5310
- District or Districts: Dallas District
- County or Counties: Denton
- Highway or Facility: FM 2931
- Proposed Project Limits: FM 428 to US 380
- Main CSJ Number: 2979-01-011
- Anticipated Report Author(s): Elizabeth Porterfield, Hicks & Company
- Anticipated Principal Investigator: Elizabeth Porterfield, Hicks & Company
- Anticipated List of Preparers: Elizabeth Porterfield, Hicks & Company (HRSR)
Jerod McClelland, Hicks & Company (GIS)

Recommended Area of Potential Effects (APE):

- ☐ Existing ROW
- ☒ 150' from Proposed ROW and Easements
- ☐ 300' from Proposed ROW and Easements

☐ Custom: <0'> from Proposed ROW and Easements

At the request of TxDOT ENV, the area of potential effects (APE) is 150 feet from the edge of the proposed right of way in areas of proposed right of way acquisition, and 150 feet from the existing right of way in areas where work will be conducted within the existing right of way and no right of way acquisition is proposed. No vertical changes greater than five feet are proposed (refer to **Figure 1** and **Figures 2-1 through 2-8** in **Appendix B**).

- **Anticipated Historic-Age Survey Cut-Off Date:** 1979
- **Study Area Scope:** 1,300 feet from edge of existing or proposed new right of way

Project Setting/Study Area

- **Current Land Use**

The study area is located east of Denton, Texas, and Elm Fork of the Trinity River spanning FM 2931 between FM 428 (Spring Hill Road) and US 380. New suburban residential developments characterize the southern end of the study area, while the remainder of the study area remains more sparsely developed with both open and wooded land, areas of pastureland and active agricultural fields, and scattered residences on large parcels. Residences primarily include mid- to late-twentieth-century ranch-style houses and non-historic-age construction. A few residences appear to date to the 1940s or earlier. Additional visible resources include two small churches and a small number of outbuildings.

- **Natural Environment**

The study area is located in east central Denton County within the Cross Timbers region characterized by limited wooded areas within the flood plains of area creeks and large expanses of open pastureland.

Anticipated Section 106 Consulting Parties

- **Proposed Public Involvement Outreach Efforts:**

TxDOT will notify the consulting parties identified below via email prior to the completion of the Historic Resources Survey Report (HRSR) to solicit information about known historic resources within the project area. TxDOT may provide a copy of the HRSR to the consulting

parties and will provide consulting parties an opportunity during the review of the HRSR to express their views on resolving any adverse effects, if applicable.

- **Potential Consulting Parties:**

Texas Historical Commission, Mark Wolfe, State Historic Preservation Officer, c/o Justin Kockritz, History Programs, Lead Project Reviewer TxDOT 106, P.O. Box 12276, Austin, Texas 78711, (512)936-7403, Justin.Kockritz@thc.texas.gov

Denton County Historical Commission, Gary Hayden, Chair, 2106 North Bell Avenue, Denton, Texas, 76209, (214)695-5079, mchpartnersinc@gmail.com

Denton County Office of History and Culture, Roslyn Shelton, Assistant Director, Courthouse-on-the-Square, 110 West Hickory Street, Denton, Texas, 76201-4116, (940)349-2850, OfficeOfHistoryAndCulture@dentoncounty.com

Anticipated Project Stakeholders

Same as above (refer to **Potential Consulting Parties** section)

Previously Designated Historic Properties and Evaluated Resources

- **Previously Evaluated Historic Resources**

A review of THC's Historic Sites Atlas and TxDOT's Historic Districts and Properties of Texas and NRHP Listed and Eligible Bridges of Texas GIS maps for National Register of Historic Places (NRHP) properties, State Antiquities Landmarks (SALs), Recorded Texas Historic Landmarks (RTHLs), Official Texas Historical Landmarks (OTHMs), and cemeteries identified no previously evaluated historic resources within the APE (refer to **Figures 2-1 through 2-8** in **Appendix B**).

A review of the National Bridge Inventory (NBI) database revealed a total of five historic-age culverts and bridges within the APE. The culverts and bridges, constructed in 1970, represent post-1945 examples of concrete construction and are not eligible.

- **Previously Designated Historic Properties**

A review of THC's Historic Sites Atlas and TxDOT's Historic Districts and Properties of Texas and NRHP Listed and Eligible Bridges of Texas GIS maps for NRHP-listed properties, SALs, RTHLs, OTHMs, and cemeteries identified one previously evaluated historic resource within the 1,300-foot study area:

Rucker Cemetery: east of FM 2931 on Martha's Vineyard Circle (no designation)

Additionally, the THC Atlas identifies the following resources outside of but within close proximity to the 1,300-foot study area near the southern end of the project area:

Oak Grove Cemetery - east side of FM 720 south of US 380

Oak Grove Methodist Church (OTHM) - adjacent to Oak Grove cemetery

William Edmunds Bates (OTHM) - within Oak Grove cemetery

- **Previously Designated Historic Districts**

Based on a review of THC's Historic Sites Atlas and TxDOT's Historic Districts and Properties of Texas GIS maps, no previously designated or determined eligible historic districts are located within the APE or the 1,300-foot study area.

Preliminary Assessment of Impacts to Historic Properties

- **Description of Impacts**

No previously designated or determined eligible resources are located within the APE. If NRHP-eligible resources are identified within the APE during the historic resources survey for the proposed improvements, the potential effects of the proposed project activities to Section 4(f) properties would be evaluated.

Anticipated Survey Methods

- **Anticipated Surveyors:** Elizabeth Porterfield, Hicks & Company

- **Methodology Description**

Following TxDOT ENV approval of this Historical Studies Research Design, the principal investigator will conduct additional research and perform a reconnaissance-level survey, conforming to TxDOT standards, of historic-age resources (constructed in or before the historic-age cut-off date of 1979) on those parcels within the APE. A 150-foot APE applies to the entire length of the project, including both areas where new right of way is proposed and areas of no proposed right of way acquisition. The APE includes all parcels partially or wholly therein.

A reconnaissance survey is appropriate to identify, document, evaluate for eligibility, and determine project effects to historic-age resources within the APE. The survey will be performed under the requirements of Section 106 of the National Historic Preservation Act and in accordance with 36 CFR 800 and the Antiquities Code of Texas. The proposed project is anticipated to require the acquisition of new right of way (refer to **Appendix A**). Although no previously determined eligible historic resources were identified within the

APE, a preliminary review of the study area using Google imagery and available Denton CAD data indicates that the APE contains resources of historic age.

Prior to conducting the historic resources survey, Hicks & Company GIS staff will generate aerial maps of the project area with parcel boundaries and central appraisal district (CAD) parcel data for all properties partially or wholly within the APE for use during the field survey. The areas of proposed right of way acquisition will be verified through the latest project schematics prior to production of the aerial maps to ensure that the APE is correctly determined and includes all appropriate parcels. The field maps will include all resources of historic age within the APE identified through CAD data with year-built dates of 1979 or earlier. While not entirely comprehensive or up-to-date, CAD data are useful in understanding development trends and in generating preliminary construction dates for resources.

The principal investigator will photo-document and assess all historic-age resources within the APE that are visible from the public right of way. Right of entry for parcels within the APE containing resources not visible from the public right of way will be solicited as applicable. For any parcels within the APE for which right of entry is not received, if applicable, the principal investigator will photo-document historic-age resources to the extent possible from the public right of way and further evaluate the resources through the review of current and historic aerial imagery. The principal investigator will verify CAD dates for historic-age resources in the field and will document all additional resources encountered during the survey within the APE that appear to be 45 years of age or older.

The principal investigator will take at least two digital photographs conforming to TxDOT's *Documentation Standard Historic Resources Survey Report* of each historic-age resource, with additional photographs taken if merited. Documentation will include information on property type, stylistic influences, and notable architectural features. All resources will be evaluated for integrity of design, materials, workmanship, location, setting, feeling, and association. Surveyed properties will be evaluated for NRHP eligibility based on integrity and significance.

The principal investigator will compile the research and survey results into a historic narrative and will evaluate the identified resources within relevant historic contexts. Draft and final HRSRs conforming to TxDOT standards will be prepared. The HRSRs will include figures identifying the APE and locations of surveyed resources; a table summarizing the surveyed resources with locations, NRHP eligibility recommendations, and assessments of project effects; and photo sheets for each resource.

- **Compliance with TxDOT Standards Statement**

This Historical Studies Research Design has been prepared in compliance with TxDOT Standards as identified in the *Documentation Standard Historical Studies Research Design*. The proposed HRSR will be prepared in compliance with TxDOT's *Documentation Standard and Template for Preparing an Historic Resources Survey Report*; TxDOT's guidance documents including, *Agricultural Theme Study for Central Texas*, as applicable; and the TxDOT publication standards as outlined by the *TxDOT Brand Guidelines*.

Literature Review and Methodology

- **Research to Date**

The principal investigator utilized a number of resources to establish a preliminary historic context and anticipated periods of significance for the study area. The principal investigator consulted the THC Historic Sites Atlas and TxDOT's Historic Districts and Properties of Texas and NRHP-Listed and Eligible Bridges of Texas GIS maps for information on previously designated and evaluated resources.

Current and historic aerial imagery, available online through Google maps, historicaerials.com, Earth Explorer, and Texas Natural Resources Information System (TNRIS), provided information about the historical development of the FM 2931 road corridor and the broader study area. The principal investigator reviewed 1960 historical U.S.G.S. topographic maps (Aubrey and Little Elm quadrangles), available online through the Perry Castañeda Library Map Collection at the University of Texas at Austin, for visible development trends and identified resources such as churches, schools, and former communities.

The principal investigator consulted The Portal to Texas History for available historical highway maps. Two general highway maps of Denton County, in 1954 (revised to 1958) and 1964 (revised to 1972), provided additional information about the development of the FM 2931 corridor within the study area. TxDOT Highway Designation Files, available online through TxDOT's website, provided further details about FM 2931.

Based on the topographic map review, the principal investigator accessed *The Handbook of Texas Online* for a general overview of Denton County and the city of Denton, as well as the former and existing communities of Aubrey, Cross Roads, Krugerville, Lincoln Park, Navo, New Hope, and Oak Grove. The Providence Village website also provided information about the development of the master-planned community of Providence Village at the southern end of the project area (www.townofprovidencevillage.com).

▪ Proposed Literature Review

The principal investigator will use any information received from the consulting parties on previously designated or evaluated resources or additional resources of historic age, to make informed decisions about the study area, appropriate periods and areas of significance, and extant historic-age resources. The principal investigator may conduct additional research as needed, including a possible review of materials at local repositories, THC survey files, and other online sources as applicable. Additional references may include TxDOT's *Agricultural Theme Study for Central Texas* and the National Register Bulletin *Guidelines for Evaluating and Documenting Rural Historic Landscapes*, if applicable, to address potential historic-age agricultural resources identified during the field survey.

Preliminary Historical Context Outline

Denton County and Denton

The study area is located approximately 10 miles east of the city of Denton in east central Denton County. Established in 1846 from a portion of Fannin County, Denton County grew slowly in the mid-nineteenth century. In 1857, the county seat moved to the newly established town of Denton. With the arrival of railroads in the 1880s, earlier subsistence farming transitioned to cotton and wheat cultivation and cattle ranching, but county growth remained slow until the early twentieth century. Automobiles and the establishment of Texas Normal College (now the University of North Texas) and Girls' Industrial College (now Texas Woman's University) contributed to county population growth in the early to mid-twentieth century. Following WWII, much of Denton County became a bedroom community for the Dallas-Fort Worth area with residents commuting to work in both cities. By the late twentieth century, many new county residents owned rural homesteads, and numerous horse ranches developed across the county.¹

Local Communities

A review of historic topographic maps and current Google aerial imagery indicated several small communities historically within close proximity to the study area. **Oak Grove** developed in 1851 when Reverend William E. Bates established a Methodist church. The small community served local farmers through the mid-twentieth century. The extant church building and associated cemetery are located on FM 720 southwest of the southern project terminus.²

The town of **Aubrey**, located at FM 428 and US 377 west of the northern project terminus and outside of the study area, originated as the community of Onega but was renamed in 1881 with the construction of a rail workers house by the Texas and Pacific Railway. The population reached 700 residents by 1920 but declined in the ensuing decades. Today,

however, peanut farming and horse ranching are the primary industries supporting a population of approximately 3,600.³

The rural community of **New Hope**, located at the intersection of today's FM 424 and Fishtrap Road west of the study area, included a church, school, and numerous residences in the early twentieth century but was no longer recognized as a distinct community by the 1980s.⁴ East of the southern project terminus on today's US 380 was the small rural community of **Navo**. A gas station and grocery store remained extant in the late 1980s, but the area has been completely redeveloped with recent residential construction.

Cross Roads, located at US 377 and US 380 west of the southern project terminus, developed with the 1927 construction of Lake Dallas. Today, the small community primarily reflects modern commercial development along US 380.

More recent communities in proximity to the study area include Krugerville and Lincoln Park. **Krugerville**, located south of Aubrey on US 377, incorporated in the 1970s and includes residential streets of ranch-style homes and newer construction. **Lincoln Park**, at US 380 and FM 720 slightly west of the southern project terminus, incorporated in 1970 as a mobile home community. No evidence of the former mobile home park remains visible in current Google aerial imagery, and the area is characterized by new commercial and residential development on the north side of US 380.

Located within the southern project area on both sides of FM 2931 from US 380 north to Liberty Road, **Providence Village** represents a newly-created master-planned community. Developed in 2000, the community includes numerous new residential neighborhoods, several parks, two elementary schools, and ongoing new construction.⁵

FM 2931 Corridor

Within the study area, a review of 1960 topographic maps and 1952 historic aerial imagery indicate that the current alignment of today's FM 2931 south of Liberty Circle did not exist in the 1960s. At that time, FM 2931 extended generally south (with a right-angle dog leg at today's Knuckles Road) along its current alignment from FM 428 to Brewer Road. At a T-intersection at today's Brewer and N. Powell roads, the alignment extended south (on today's Brewer Road) where it terminated at Fishtrap Road and extended west (at today's N. Powell Road) to today's Liberty Road and Dr. Sanders Road intersection. The current alignment of FM 2931 from today's Liberty Circle south to US 380 (then SH 24) did not exist, and the area was in active agricultural use.^{6,7,8} A General Highway Map of Denton County, revised to 1972, indicates this southern alignment of FM 2931 in place by that time.⁹ The existing alignment in this location is also evident in historic aerial imagery by 1981.¹⁰

Topographic maps and historic aerials indicate very minimal development within the study area through the mid-1990s with a small number of scattered residences and

outbuildings on large parcels. Most of the area remained active agricultural or pastureland. Topographic maps identify two churches in 1960: an unnamed church near FM 428 in the area of today's Antioch Baptist Church, and Liberty Church near Liberty Circle in the area of today's Bethel Methodist Church of Denton County.

Anticipated Periods and Areas of Significance

Initial research reveals that the study area remained largely undeveloped through the late twentieth century. Evidence of scattered residences, outbuildings, and active agricultural/pastureland visible in 1952 aerial imagery indicates the presence of potentially historic-age resources from the early to mid-twentieth century within portions of the study area. Current aerial imagery and available Denton CAD data identifies approximately eighteen historic-age buildings within the APE. Many of these are later twentieth-century ranch-style residences and outbuildings, while a small number include earlier twentieth-century residences and outbuildings. Extensive recent residential construction within the southern portion of the project area, visible through current Google imagery, suggests a low probability of remaining historic-age resources within this area.

Therefore, it is anticipated that historic-age resources encountered during the field survey may date from ca. 1920 through the historic-age cut-off date of 1979, with older resources generally located within the northern half of the project area. Within this time period, two anticipated periods and areas of significance have been identified.

Early to Mid-Twentieth Century Agricultural Development (ca. 1920–ca. 1950)

It is anticipated that extant resources from this period may include residences, barns, and agricultural outbuildings reflecting the county's agricultural economy of the early twentieth century.

Mid- to Late Twentieth Century Residential Development (ca. 1950 – 1979)

Resources from this period are anticipated to include ranch-style residences and other houses reflecting the county's development as a bedroom community of the Dallas-Fort Worth area in the decades after WWII.

References Cited

- Earth Explorer. Aerial Imagery. 1952-12-26. Entity ID: ARA001160081138. Accessed August 15, 2020. <https://earthexplorer.usgs.gov/>.
- Fuller, Jackie Balthrop. "Aubrey, Texas." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/aubrey-tx>.
- Historicaerials.com. Accessed August 13, 2020. <https://www.historicaerials.com/viewer>.
- Maxwell, Lisa C. "New Hope, Texas (Denton County)." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/new-hope-tx-denton-county>.
- Minor, David. "Oak Grove, Texas (Denton County)." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/oak-grove-tx-denton-county>.
- Odom, E. Dale. "Denton County." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/denton-county>.
- Providence Village – History of the Town. Town of Providence Village. Accessed August 18, 2020. <http://townofprovidencevillage.com/online-services/information/about-the-town/>.
- Texas Department of Transportation (TxDOT). Highway Designation File. FM No. 2931. Accessed August 18, 2020. <http://www.dot.state.tx.us/tpp/hwy/fm2500/fm2931.htm>.
- Texas Department of Transportation (TxDOT). Historic Districts & Properties of Texas. Accessed August 13, 2020. <https://txdot.maps.arcgis.com/apps/webappviewer/index.html?id=077104987672487b9b320cc424d588a2>.
- Texas Department of Transportation (TxDOT). NRHP Listed and Eligible Bridges of Texas. Accessed August 13, 2020. <https://txdot.maps.arcgis.com/apps/webappviewer/index.html?id=cc9cf3452a324d0bb961a0c8b4edd898>.
- Texas Highway Department. General Highway Map. Denton County, Texas. 1954 (revised to 1958). University of North Texas Libraries. The Portal to Texas History. Crediting the University of Texas at Arlington Library. Accessed August 18, 2020. <https://texashistory.unt.edu/ark:/67531/metapth193665/m1/1/>.
- Texas Highway Department. Planning Survey Division. General Highway Map of Denton County, Texas. 1964 (revised to 1972). University of North Texas Libraries. The Portal to Texas History. Crediting UNT Libraries Special Collection. Accessed August 18, 2020. <https://texashistory.unt.edu/ark:/67531/metadc1585546/m1/1/?q=Highway%20map%20Denton%20County>.

Texas Historical Commission (THC). Historic Sites Atlas. Accessed August 13, 2020.
<https://atlas.thc.state.tx.us/>.

Texas Natural Resources Information Center (TNRIS). USDA Historic Aerials Denton County. 1952. Accessed August 15, 2020. <https://tnris.org/research-distribution-center/historical-imagery-archive/>.

United States Department of the Interior Geologic Survey. Perry Castañeda Library Map Collection. The University of Texas at Austin. University of Texas Libraries. Accessed August 13, 2020.
Aubrey (Denton County) Quadrangle. 1960.
<http://legacy.lib.utexas.edu/maps/topo/texas/txu-pclmaps-topo-tx-aubrey-1960.jpg>.
Little Elm (Denton County) Quadrangle. 1960.
http://legacy.lib.utexas.edu/maps/topo/texas/txu-pclmaps-topo-tx-little_elm-1960.jpg.

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- ¹ Odom, E. Dale. "Denton County." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/denton-county>.
- ² Minor, David. "Oak Grove, Texas (Denton County)." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/oak-grove-tx-denton-county>.
- ³ Fuller, Jackie Balthrop. "Aubrey, Texas." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/aubrey-tx>.
- ⁴ Maxwell, Lisa C. "New Hope, Texas (Denton County)." *The Handbook of Texas Online*. Accessed August 15, 2020. <https://www.tshaonline.org/handbook/entries/new-hope-tx-denton-county>.
- ⁵ Providence Village – History of the Town. Town of Providence Village. Accessed August 18, 2020. <http://townofprovidencevillage.com/online-services/information/about-the-town/>.
- ⁶ United States Department of the Interior Geologic Survey. Perry Castañeda Library Map Collection. The University of Texas at Austin. University of Texas Libraries. Accessed August 13, 2020. Aubrey (Denton County) Quadrangle. 1960. <http://legacy.lib.utexas.edu/maps/topo/texas/txu-pclmaps-topo-tx-aubrey-1960.jpg>.
- ⁷ Ibid. Little Elm (Denton County) Quadrangle. 1960. http://legacy.lib.utexas.edu/maps/topo/texas/txu-pclmaps-topo-tx-little_elm-1960.jpg.
- ⁸ Earth Explorer. Aerial Imagery. 1952-12-26. Entity ID: ARA001160081138. Accessed August 15, 2020. <https://earthexplorer.usgs.gov/>.
- ⁹ Texas Highway Department. Planning Survey Division. General Highway Map of Denton County, Texas. 1964 (revised to 1972). University of North Texas Libraries. The Portal to Texas History. Crediting UNT Libraries Special Collection. Accessed August 18, 2020. <https://texashistory.unt.edu/ark:/67531/metadc1585546/m1/1/?q=Highway%20map%20Denton%20County>.
- ¹⁰ Historicaerials.com. Accessed August 13, 2020. <https://www.historicaerials.com/viewer>.

Appendix A: Project Information and ROW Information

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- [WPD Section II - Tool](#)
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- [WPD Section IV - Findings](#)

Project Definition

 Project Name:

 CSJ: - -

Anticipated Environmental Classification:

 Is this an FHWA project that normally requires an EIS per 23 CFR 771.115(a)?

☐ Project Association(s)

Manually Associate CSJ:

CSJ	DCIS Funding	DCIS Number	Env Classification	DCIS Classification	Main or Associate	Doc Tracked In	Actions
There are currently no Project Associations added to this project.							

☐ DCIS Project Funding and Location

Funding

DCIS Funding Type:

☒ Federal

☒ State

☐ Local

☐ Private

Location

 DCIS Project Number:

 Highway:

 District:

 County:

 Project Limit -- From:

 Project Limit -- To:

 Begin Latitude: + .

 Begin Longitude: - .

 End Latitude: + .

 End Longitude: - .
☐ DCIS & P6 Letting Dates

 DCIS District:

 DCIS Approved:

 DCIS Actual:

 P6 Ready To Let:

 P6 Proposed Letting:
☐ DCIS Project Description

 Type of Work:

Layman's Description:

 DCIS Project Classification:

 Design Standard:

 Roadway Functional Classification:
☐ Jurisdiction

Does the project cross a state boundary, or require a new Presidential Permit or modification of an existing Presidential Permit?

Who is the lead agency responsible for the approval of the entire project?

☒ FHWA - Assigned to TxDOT ☐ TxDOT - No Federal Funding ☐ FHWA - Not Assigned to TxDOT

TxDOT ▼

Who is the project sponsor as defined by 43 TAC 2.7?

No ▼

Is a local government's or a private developer's own staff or consultant preparing the CE documentation, EA or EIS?

Yes ▼

Does the project require any federal permit, license, or approval?

☒ USACE ☐ IBWC ☐ USCG ☐ NPS ☐ IAJR ☐ Other

No ▼

Does the project occur, in part or in total, on federal or tribal lands?

☐ Environmental Clearance Project Description

Project Area

Typical Depth of Impacts: (Feet) Maximum Depth of Impacts: (Feet)

New ROW Required: (Acres)

New Perm. Easement Required: (Acres) New Temp. Easement Required: (Acres)

Project Description

Describe Limits of All Activities:

The project is proposing to widen FM 2931 from US 380 to FM 428 in Denton County, Texas. The FM 2931 reconstruction project includes widening approximately 6.37 miles of FM 2931 with a 1,300-foot transition north of FM 428/Spring Hill Road; no cross-street improvements are proposed.

The existing right-of-way (ROW) width is approximately 100 feet. The typical proposed ROW would be approximately 130 feet wide, with the minimum and maximum ROW width ranging from 126 feet to 244 feet, respectively. The project would require the acquisition of approximately 15 feet of new ROW on both sides of FM 2931 along the length of the corridor, varying in places depending on the configuration of the proposed roadway. A total of approximately 45.9 acres of new ROW and 2.1 acres of permanent easement would be required.

Describe Project Setting:

The project area is historically rural, transitioning to suburban in recent years with new residential subdivisions currently under construction. The City of Providence Village is the main feature of the project corridor, and that has developed since 2010.

The developed areas are a mix of rural residential and high-density, newer subdivisions, with light commercial development, several churches and Providence Elementary School.

Vegetation generally consists of pasture and urban vegetation associated with developments, with riparian areas along drainages in the northern half of the project area.

There are several small streams crossing the roadway, all draining south toward Lewisville Lake which is outside the project area.

There are two publicly-owned Town of Providence Village parks on the east side of FM 2931 at Lakeview Drive. These are Lakeview Park North and Lakeview Park South.

There are no cemeteries within or adjacent to the project area. There are no historic markers, known NRHP-listed or -eligible properties, or historic districts within or adjacent to the project area.

Describe Existing Facility:

The existing FM 2931 is a rural 2-lane undivided roadway with 10-foot wide travel lanes and no shoulders. There is a center-left turn lane at the intersection with US 380, and right- and left-turn lanes at Cape Cod Boulevard.

Existing drainage is provided by vegetated ditches. Several culverts carry existing cross drainage from northwest to southeast along the corridor.

The existing ROW width is approximately 100 feet.

Describe Proposed Facility:

The project is proposing to widen FM 2931 to a 6-lane urban roadway section with a raised median and left-turn lanes in various locations. The proposed roadway would include three, 11 or 12-foot wide (depending on the section) travel lanes in each direction with no shoulders, a raised median, and a 10-foot wide shared use path on each side of the roadway.

The drainage would be closed storm-sewer with curb and gutter.

The typical proposed right-of way would be approximately 130 feet wide, with the minimum and maximum ROW width ranging from 126 feet to 244 feet, respectively. A total of approximately 45.9 acres of new ROW and 2.1 acres of permanent easement would be required.

Would the project add capacity?

☐ Transportation Planning

Is the project within an MPO's boundaries?

Does the project meet the definition for a grouped category for planning and programming purposes?

The project is located in area.

This status applies to:

☐ CO - Carbon Monoxide

☒ O3 - Ozone

☐ NO2 - Nitrogen Dioxide

☐ PM10 - Particulate

☐ PM2.5 - Particulate

☐ Environmental Clearance Information

Environmental Clearance Date:

Environmental LOA Date:

Closed Date:

Archived Date:

Approved Environmental Classification:

☐ Project Contacts

Created By:

Date Created:

Project Sponsor: ☒ TXDOT (Or) ☐ Local Government

Sponsor Point Of Contact:

ENV Core Team Member:

District Core Team Member:

Other Point of Contact(s):

Last
Updated By: Christine Polito

Last Updated Date: 10/12/2020 01:40:55

Appendix B: Figures and Maps

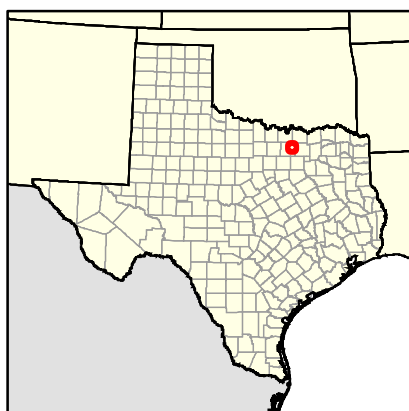
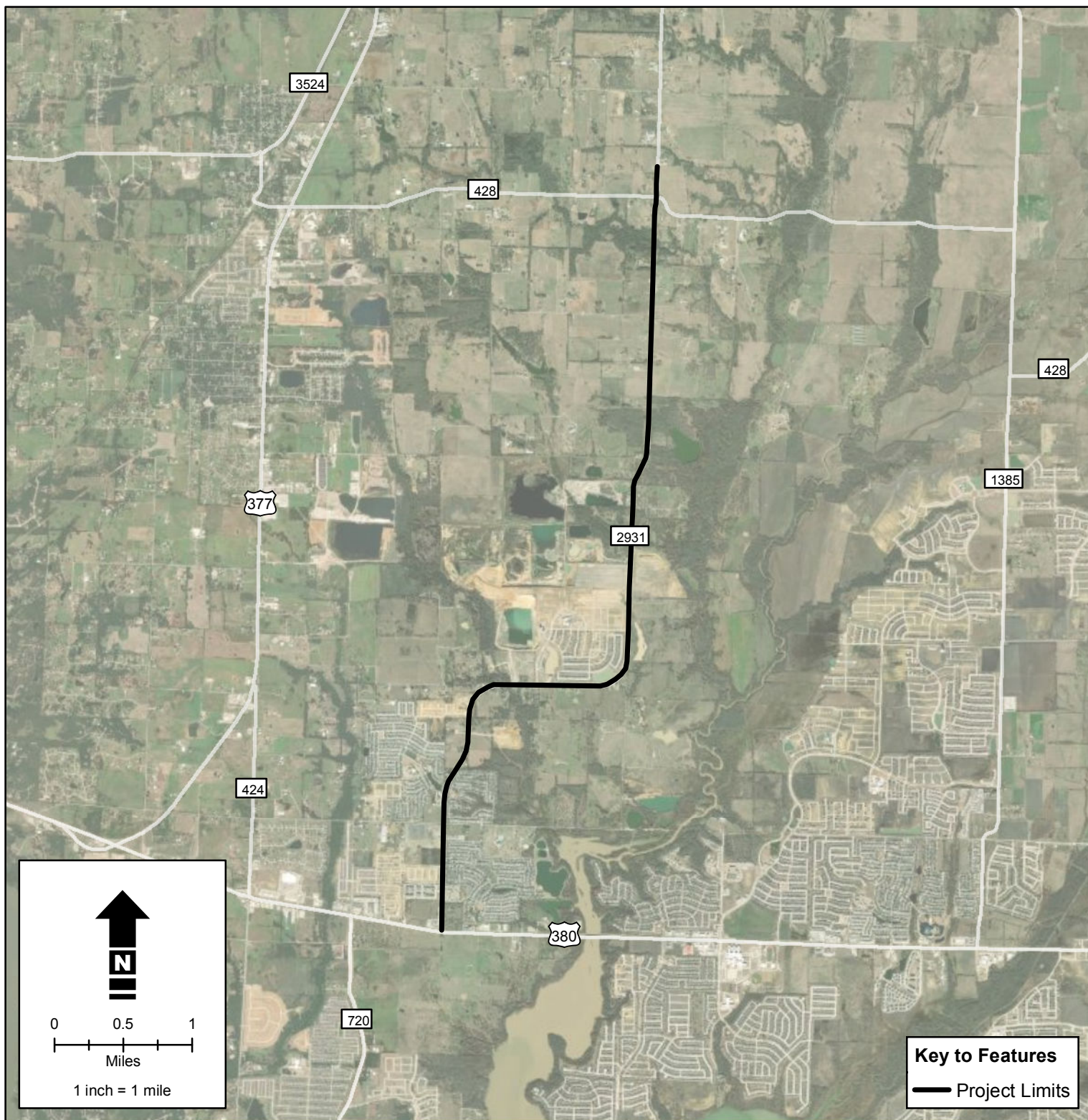


Figure 1

Project Location

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011

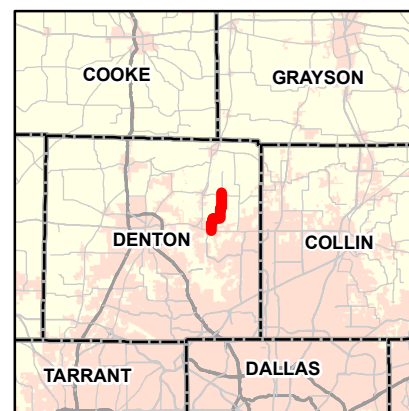
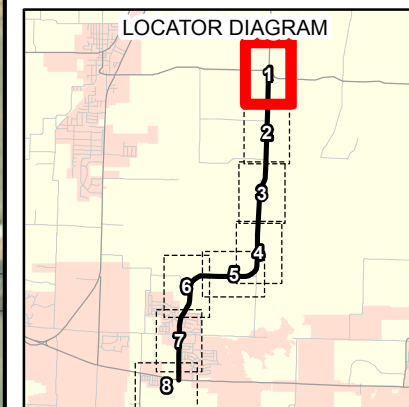


Figure 2-1

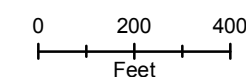
**Historic-age Resources
in the Project Area**

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)

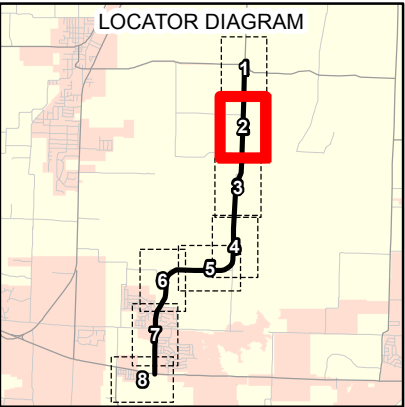


1 inch = 400 feet

Figure 2-2

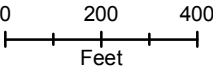
Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
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- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)

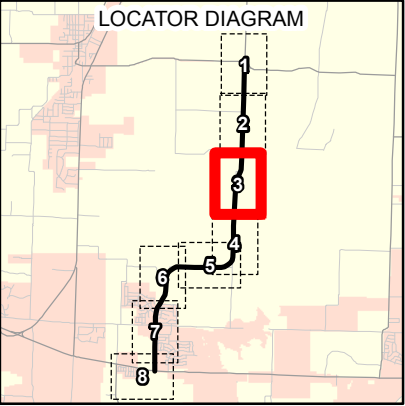


1 inch = 400 feet

Figure 2-3

Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)



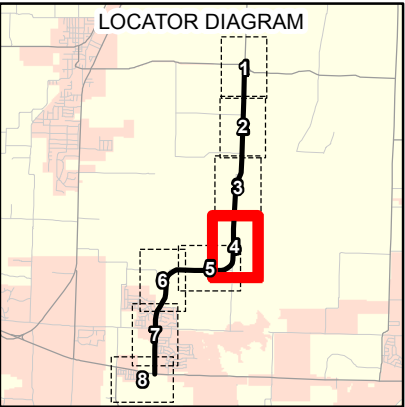
0 200 400
Feet

1 inch = 400 feet

Figure 2-4

Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)



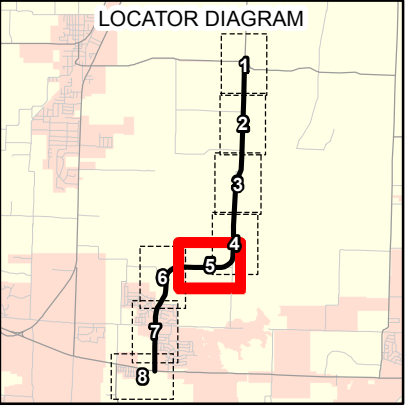
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Feet

1 inch = 400 feet

Figure 2-5

Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)



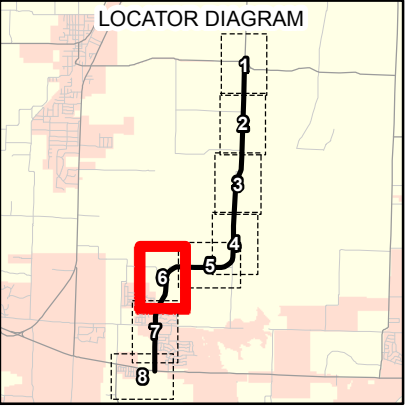
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Feet

1 inch = 400 feet

Figure 2-6

Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)



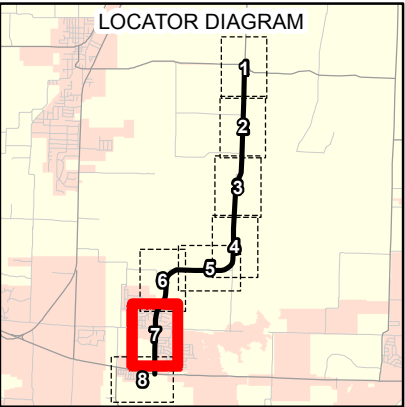
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Feet

1 inch = 400 feet

Figure 2-7

Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



Key to Features

- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)



0 200 400
Feet

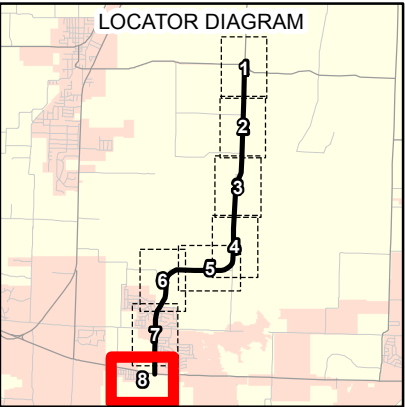
1 inch = 400 feet



Figure 2-8

Historic-age Resources
in the Project Area

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011



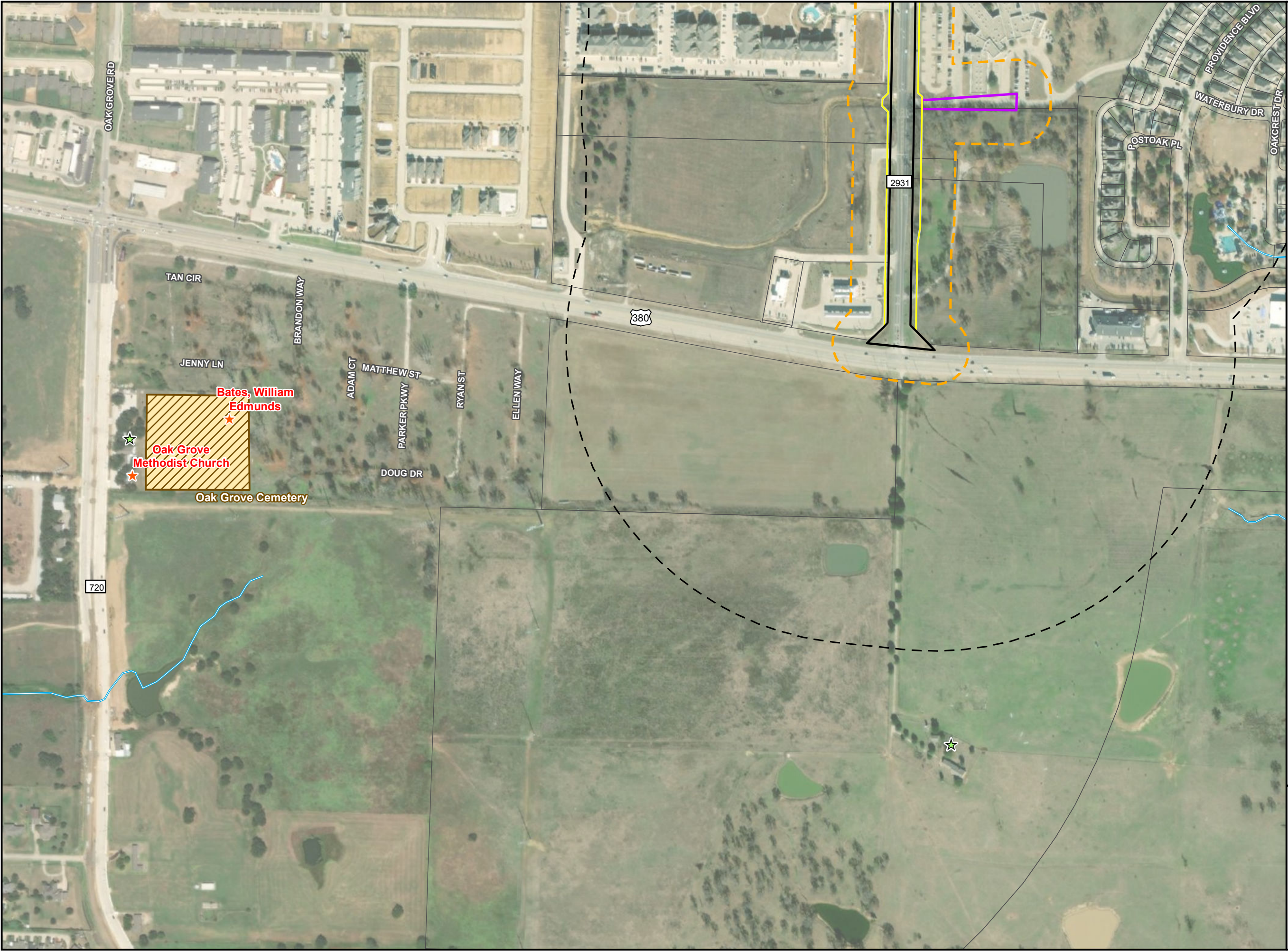
Key to Features

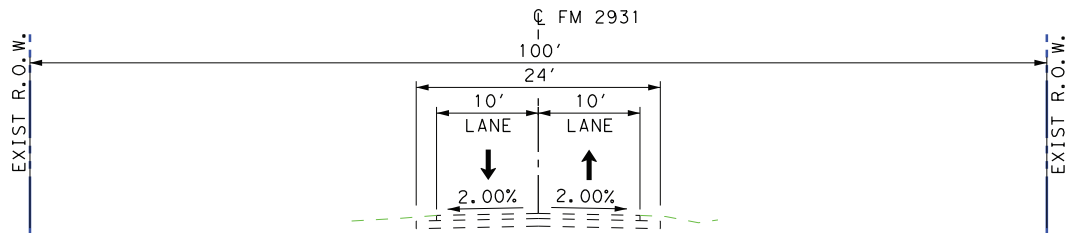
- Existing ROW
- Proposed ROW
- Existing Easement
- 1/4-mile Study Area
- 150-foot APE
- Parcel Boundary
- Cemetery
- Official Texas Historical Marker
- Historic-age Resource
- Historic-age Bridge/Culvert (NBI)
- Stream (NHD)



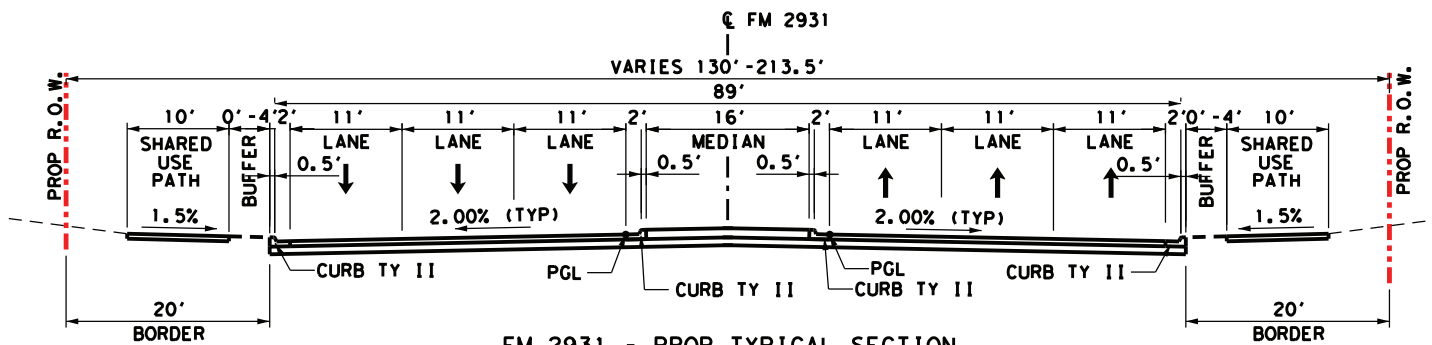
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Feet

1 inch = 400 feet





FM 2931 - EXIST TYPICAL SECTION



FM 2931 - PROP TYPICAL SECTION

Figure 3

Existing and Proposed Typical Sections

FM 2931 from FM 428 to US 380
Denton County, Texas
CSJ: 2979-01-011

Appendix C: Schematics

Refer to project schematics in ECOS.