Draft Environmental Assessment

US 380, Dallas District

From Teel Parkway/Championship Drive to Lakewood Drive

CSJs: 0135-11-024, 0135-10-065, 0135-02-068

Collin and Denton Counties, Texas

January 20, 2023

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019, and executed by FHWA and TxDOT.

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Acronyms

AADT	annual average daily traffic
AOI	Area of Influence
ASTM	American Society of Testing and Materials
APE	area of potential effects
BG	block group
BMP	Best Management Practice
CAFÉ	Corporate Average Fuel Economy
CBRA	Coastal Barrier Resources Act
CFR	Code of Federal Regulations
CGP	Construction General Permit
CRIS	Crash Record Information System
CMAQ	Congestion Mitigation and Air Quality
CMP	congestion management process
CO	carbon monoxide
CR	County Road
CWA	Clean Water Act
dB(A)	A-weighted decibel level
DHHS	Department of Health and Human Services
DNT	Dallas North Tollway
DPM	diesel particulate matter
EA	Environmental Assessment
EIS	Environmental Impact Statement
EFH	Essential Fish Habitat
EMST	Ecological Mapping Systems of Texas
EO	Executive Order
EPA	Environmental Protection Agency
EPIC	Environmental Permits, Issues and Commitments
ERLT	Emission Rate Lookup Tables
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FIRM	Fire Insurance Rate Maps
FHWA	Federal Highway Administration
FM	Farm to Market
FONSI	Finding of No Significant Impact
FTA	Federal Transit Administration
GHG	greenhouse gas
IBWC	International Boundary Water Commission
IPAC	Information for Planning and Consultation
IPCC	Intergovernmental Panel on Climate Change
ISA	Initial Site Assessment
LEP	Limited English Proficiency
Leq	Equivalent noise level
MBTA	Migratory Bird Treaty Act
MMT	million metric tons
MOU	Memorandum of Understanding
MS4	Municipal Separate Storm Sewer System

MSA	Magnuson-Stevens Fishery Conservation and Management Act
MSAT	Mobile Source Air Toxics
MTP	Metropolitan Transportation Plan
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NCTCOG	North Central Texas Council of Governments
NEPA	National Environmental Policy Act
NHD	National Hydrography Dataset
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
NWP	Nationwide Permit
OHWM	ordinary high-water mark
PA-TU	First Amended Programmatic Agreement among the FHWA, TxDOT, the Texas SHPO, and the Advisory Council on Historic Preservation Regarding the Implementation of Transportation Undertakings
PCN	Pre-construction Notification
PGA	Professional Golfers' Association
PM	particulate matter
ppm	parts per million
PS&E	Plans, Specifications, and Estimates
ROW	right-of-way
SAL	State Antiquities Landmark
SGCN	Species of Greatest Conservation Need
SH	State Highway
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SOV	single occupancy vehicle
STIP	Statewide Transportation Improvement Program
SW3P	Storm Water Pollution Prevention Plan
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TCMP	Texas Coastal Zone Management Plan
TDM	Travel Demand Management
TERP	Texas Emissions Reduction Plan
THC	Texas Historical Commission
TIP	Transportation Improvement Program
TMA	Transportation Management Area
TPDES	Texas Pollutant Discharge Elimination System
TPP	Transportation Planning and Programming
TPWD	Texas Parks & Wildlife Department
TSM	Traffic System Management
TWDB	Texas Water Development Board
TxDOT	Texas Department of Transportation
TXNDD	Texas Natural Diversity Database

US or U.S.	United States
USACE	United States Army Corps of Engineers
USC	United States Code
USCG	United States Coast Guard
USDA	United States Department of Agriculture
USDOT	U.S. Department of Transportation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VMT	Vehicle Miles Traveled

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1.0 Introduction

The Texas Department of Transportation (TxDOT) proposes improving 5.9 miles of United States Highway (US) 380 to a controlled access freeway from Teel Parkway/Championship Drive to Lakewood Drive in Denton and Collin counties, Texas (see **Appendix A**). The purpose of this Environmental Assessment (EA) is to study the potential environmental consequences of the proposed project and to determine whether such consequences warrant the preparation of an Environmental Impact Statement (EIS). The EA is prepared to comply with both TxDOT's environmental review rules and the National Environmental Policy Act (NEPA). The EA will be made available for public review and TxDOT will consider any comments submitted following the comment period. If TxDOT determines that there are no significant adverse effects, it will prepare and sign a Finding of No Significant Impact (FONSI), which will be made available to the public.

2.0 Project Description

2.1 Existing Facility

The existing US 380 (see **Appendix B**) from Teel Parkway/Championship Drive to the Collin/Denton County line has four 12-foot-wide main lanes, a two-way left-turn lane, 10-foot-wide outside shoulders, and grass-lined drainage ditches. Sidewalks are discontinuous and only present where developers have included them. Between the Collin/Denton County line and State Highway (SH) 289/Preston Road, the existing roadway is a six-lane divided roadway with 12-foot-wide lanes, a raised center median, two-foot-wide inside and outside curb offsets, and curb and gutter. Beginning just west of the intersection with the Dallas North Tollway (DNT), there are also discontinuous two-lane frontage roads until east of SH 289/Preston Road. From SH 289/Preston Road to Lakewood Drive, the existing US 380 is a six-lane divided roadway with a raised median, two-foot-wide inside and outside curb offsets, and curb and gutter. Several culverts carry existing cross drainage from northeast to southwest along the corridor. The existing right-of-way (ROW) width is approximately 160 feet.

2.2 Proposed Facility

The proposed project (see **Appendix C**) would reconstruct 5.9 miles of US 380 from Teel Parkway/Championship Drive in Denton County to Lakewood Drive in Collin County. The proposed project involves the full reconstruction of the existing five-lane rural roadway in Denton County and six-lane urban roadway in Collin County to a six-lane divided freeway with 12-foot-wide travel lanes and two to three-lane continuous frontage roads also with 12-foot-wide travel lanes (see **Appendix D**). In addition to adding lanes, the proposed design includes drainage improvements, ramps to provide accessibility, interchange improvements to meet safety and/or capacity requirements, and shared-use paths along one or both sides of the corridor. The roadway passes through the cities of Frisco, Prosper, and McKinney. The proposed ROW width varies from 245 feet wide to 522 feet wide with a typical ROW width of 336 feet. The proposed project would require the acquisition of 152 acres of proposed ROW and 0.4 acre of permanent easements. The estimated total project cost is $842 million using a combination of state and federal funds.

From Teel Parkway/Championship Drive to the Collin/Denton County line, the proposed project would consist of six 12-foot-wide main lanes divided by a depressed median with variable-width inside shoulders, and 10-foot-wide outside shoulders. Two to three-lane continuous frontage roads with curb and gutter would be present in both directions with an adjacent 10-foot-wide shared-use path on the south side of the roadway. The proposed ROW would range from 245 feet to 324 feet.

Between the Collin/Denton County line and SH 289/Preston Road, the proposed roadway would consist of six 12-foot-wide main lanes divided by a depressed median with 10–12-foot-wide inside shoulders and 10-foot-wide outside shoulders. Two to three-lane continuous frontage roads with 12-foot-wide travel lanes and curb and gutter would be present in both directions with a 10-foot-wide shared-use path on the south side of the roadway. Direct connector ramps would be included to connect the DNT main lanes with US 380. The proposed ROW would range from 342 feet to 501 feet.

From SH 289 to Lakewood Drive, the proposed roadway would consist of six 12-foot-wide main lanes divided by a depressed median with 10–12-foot wide inside shoulders and 10-foot-wide outside shoulders. Two to three-lane continuous frontage roads with 12-foot travel lanes and curb and gutter would be present in both directions with an adjacent 10-foot-wide shared-use path on the south side of the roadway from Teel Parkway to Coit Road and on both sides of the roadway from Coit Road to Lakewood Drive. The proposed ROW would range from 342 feet to 491 feet.

2.3 Logical Termini and Independent Utility

The Code of Federal Regulations (CFR) requires that federally funded transportation projects have logical termini (23 CFR 771.111[f][1]). Simply stated, this means that a project must have rational beginning and end points. Those end points may not be created simply to avoid proper analysis of environmental impacts. The limits for the proposed improvements to US 380 are from Teel Parkway/Championship Drive to Lakewood Drive, and these limits were chosen because they are major cross-streets with considerable contributions to traffic onto and off of US 380 (Jacobs 2022).

Federal regulations require that a project have independent utility and be a reasonable expenditure even if no other transportation improvements are made in the area (23 CFR 771.111[f][2]). This means a project must be able to provide benefit by itself and must not compel further expenditures to make the project useful. Stated another way, a project must be able to satisfy its purpose and need with no other projects being built. The proposed project can stand on its own without the implementation of other traffic improvements as the project provides improved mobility along US 380 without the need for improvements to adjacent facilities. Because the proposed project stands alone, it does not irretrievably commit federal funds for other transportation projects.

Federal law prohibits a project from restricting consideration of alternatives for other reasonably foreseeable transportation improvements (23 CFR 771.111[f][3]). This means that a project must not dictate or restrict any future roadway alternatives. The proposed project would not restrict the consideration of alternatives for other foreseeable transportation improvements because the proposed improvements would not preclude the future widening of adjacent roadway facilities or the development of other transportation modes or routes.

2.4 Planning Consistency

Both the financially constrained 2045 Metropolitan Transportation Plan (MTP) Update and the 2023–2026 Transportation Improvement Program (TIP), as amended, were initially found to conform to the Texas Commission on Environmental Quality (TCEQ) State Implementation Plan (SIP) by the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) on December 15, 2022. TxDOT will not take final action on this environmental document until a project level conformity determination has been obtained from FHWA, as applicable. The proposed project has been submitted for inclusion in the November 2022 STIP revision for the Dallas District by North Central Texas Council of Governments (NCTCOG).

3.0 Purpose and Need

3.1 Need

The proposed project is needed because population growth within Denton and Collin counties has caused increases in current and forecasted traffic volumes that exceed the capacity of US 380 between Teel Parkway/Championship Drive and Lakewood Drive, leading to increased congestion, reduced mobility, and higher crash rates compared to other similar roadways in the region.

3.2 Supporting Facts and/or Data

According to the US Census Bureau, the population of Collin County in 2010 was 782,341. In 2020, that number stood at 1,072,069, a total increase of 37 percent. Denton County exhibited similar population growth over the same 10-year period, growing from 662,614 in 2010 to 906,422 in 2020, a rate of 37 percent. Projections from the Texas State Data Center (see **Table 3.2-1**) show slightly higher growth rates for both counties through 2050, at 41 percent and 43 percent, respectively. The town of Prosper and the city of Frisco, by contrast, are growing at much higher rates. Between 2010 and 2020, Prosper grew from a population of 9,423 to 30,174, a rate of 220 percent; Frisco grew at a rate of 71 percent over the same 10-year period. The Texas State Data Center does not publish population projections for places in Texas, although the county projections suggest steady growth for both municipalities over the planning horizon for the proposed project.

Table 3.2-1: 2010 and 2020 Population Estimates and 2050 Population Projections for Project Area Geographies

Geographic Area	2010 Census	2020 Census	Percent Change 2010-2020	2050 Projection	Percent Change 2020 -2050
Collin County	782,341	1,072,069	37	1,508,619	41
Denton County	662,614	906,422	37	1,299,072	43
Town of Prosper	9,423	30,174	220	NA	NA
City of Frisco	116,989	200,490	71	NA	NA
State of Texas	25,145,561	29,145,505	16	35,465,604	22

Source: US Census Bureau; Texas State Data Center 2022

Traffic data for the baseline year 2030 and future year 2050 are an annual average daily traffic (AADT) of 130,400 and 199,350 vehicles per day, respectively. The future (2050) projections for traffic volumes indicate a 53 percent increase from the 2030 levels, and this increased volume combined with projected increases in population would lead to even further decreases in mobility along the highway. An operational analysis of the US 380 corridor (Jacobs 2022) shows that in 2050 without the proposed improvements, 12 out of the 14 intersections within the project limits are expected to operate at a Level of Service (LOS) E or F, which equates to unstable traffic flow or "constant traffic jam" conditions, during the AM and PM peak hours. With the improvements, the 2050 LOS would be D or better during the peak hours, meaning that traffic conditions would be stable with some locations "approaching unstable flow". These conditions translate into travel times that would double or triple in the future without the proposed improvements, depending on the direction of travel and the time of day (see **Table 3.2-2**).

Table 3.2-2: US 380 Travel Time Summary (in minutes)

Direction	From	To	No Build 2050		Build 2050		% Difference	
			AM	PM	AM	PM	AM	PM
Eastbound	Teel Pkwy.	Coit Rd.	7.6	10.4	5.4	5.0	42%	107%
Westbound	Coit Rd.	Teel Pkwy.	15.7	17.6	5.4	5.3	188%	231%

Source: Jacobs 2022

According to the TxDOT Crash Record Information System (CRIS), there were 689 crashes along US 380 within the limits of the proposed project between 2016 and 2020. Among these 689 crashes, there were three fatalities and nine that included incapacitating injury. Compared to similar US highway facilities statewide between 2016 and 2020, US 380 was just below the average in terms of the rate of crashes per 100 million vehicle miles; in 2018 the US 380 rate of 196.40 was just above the statewide average rate of 186.35 (Jacobs 2022).

3.3 Purpose

The purpose of the proposed project is to manage congestion and improve east-west mobility and safety, and to accommodate future traffic demand.

4.0 Alternatives

4.1 Build Alternative

The Build Alternative is described in **Section 2.0** and includes the reconstruction of 5.9 miles of US 380 from Teel Parkway/Championship Drive to west of Lakewood Drive in Denton and Collin counties, Texas. US 380 is proposed to be a six-lane, access-controlled freeway with one-way frontage roads on each side within an anticipated ROW width of between 245 to 522 feet, depending on location. The freeway facility would also include ramps, direct connector roadways, frontage roads, and arterial roadway extensions to support connectivity to the existing roadway network. Grade-separated interchanges would be constructed at major cross streets, including DNT (multi-level interchange) and SH 289/Preston Road, and a shared-use path would be included along the south side of the roadway between Teel Parkway and Coit Road and on both sides of the roadway between Coit Road and Lakewood Drive. Along DNT, the limits

would extend 1.0 mile to the north and 1.2 miles to the south to transition the direct connector roadways. Along Preston Road, the limits would extend 400 feet to the north and 800 feet to the south. The Build Alternative would require the acquisition of approximately 152 acres of new ROW and 0.4 acre of permanent easements.

The conversion to a controlled-access freeway with continuous frontage roads meets the need and purpose by providing additional capacity to improve mobility and congestion and allows free-flow traffic conditions which improves safety.

4.2 No Build Alternative

The No Build Alternative would result in TxDOT taking none of the actions described in **Section 2.0**, and consequently the mobility improvements anticipated as a result of the Build Alternative would not occur. The Build Alternative is, therefore, the preferred alternative. The No Build Alternative would not result in the impacts to the natural and human environment described in the following sections. Despite not meeting the purpose and need for the proposed project, the No Build Alternative is carried forward for comparison purposes.

4.3 Preliminary Alternatives Considered but Eliminated from Further Consideration

The alignment of the Build Alternative was derived primarily from the *US 380 Collin County Feasibility Study* (TxDOT 2020), which covered 32 miles along US 380, including the portion of the proposed project from the Denton County line to Lakewood Drive. In the study, TxDOT developed and evaluated roadway options and many potential alignment options, including the existing alignment and new location alignments, based on engineering factors and environmental constraints. TxDOT presented the study recommendations to the public in May 2019, and for the portion of the corridor that includes the proposed project limits, the recommendation was to follow the existing alignment and to expand mainly to the south between the Denton County line and Coit Road and to the north between Coit Road and Lakewood Drive. Widening US 380 to the south would avoid an existing 72-inch water line for the city of Irving that occupies an easement along the north side of US 380. Shifting the alignment to widen to the north side of US 380 at the east terminus would avoid an existing neighborhood.

The NEPA process was initiated following the feasibility study phase, and the proposed project improvements reflected by the Build Alternative presented in this EA match the alignment recommended in the 2020 feasibility study. This Build Alternative and the No Build Alternative are the only alternatives considered in this EA.

5.0 Affected Environment and Environmental Consequences

Environmental issues were a primary focus in the planning, design, and environmental analysis processes. In support of this EA, the following technical reports were prepared and may be inspected and copied upon request at the TxDOT Dallas District Office:

- TxDOT 2022a. *Community Impact Assessment Technical Report Form*
- TxDOT 2022b. *Archeological Resources Survey Report*
- TxDOT 2022c. *Historic Resources Survey Report*
- TxDOT 2022d. *Water Features Delineation Report*
- TxDOT 2022e. *Species Analysis Form and Spreadsheet*
- TxDOT 2022f. *Carbon Monoxide Traffic Air Quality Analysis*
- TxDOT 2022g. *Quantitative Mobile Source Air Toxics Analysis*
- TxDOT 2022h. *Hazardous Materials Initial Site Assessment and Project Impact Evaluation*
- TxDOT 2022i. *Traffic Noise Analysis Report*
- TxDOT 2022j. *Indirect Effects Technical Report*
- TxDOT 2022k. *Cumulative Impacts Technical Report*

To facilitate expedited environmental technical studies and field investigations, the project study team established a buffer around the proposed ROW line that represented a study area within which all the direct environmental impacts that could potentially occur as a result of the proposed project would be included. The technical reports listed above (with the exception of the *Hazardous Materials Initial Site Assessment and Project Impact Evaluation*) include documentation of potential project impacts based on environmental study area. By contrast, the potential impacts discussed in this EA are based on the actual proposed ROW footprint associated with the preliminary schematic design shown in **Appendix C** which is a reduced ROW footprint. The difference in area between the environmental study area (239.6 acres) and the actual proposed ROW (152 acres) and permanent easements (0.4 acre) is 87.2 acres.

Resource categories with the potential to be affected by the implementation of the proposed project are summarized in the following sections.

5.1 Right-of-Way/Displacements

The project would require the acquisition of approximately 152 acres of new ROW and 0.4 acre of permanent easements (see **Appendix C**).

The proposed project would not result in residential or commercial displacements and would not separate or divide neighborhoods.

No Build Alternative

Under the No Build Alternative, no ROW or easements would be acquired, and no residential or commercial displacements would occur.

5.2 Land Use

The primary land uses along the US 380 corridor are agricultural, commercial, and residential, with medical facilities, a day care center, and some general retail uses included along the length of the project. According to historical and current aerial imagery, the majority of the residential subdivisions in the surrounding area were built in the past two decades, as Prosper expanded south and east, Frisco

expanded north, and McKinney expanded west. Additional subdivision development and commercial and mixed-use properties are currently under construction, and future development plans are prevalent along the corridor. A Professional Golfers' Association (PGA) Championship golf course is being developed near the west end of the project limits south of US 380.

Prior to this growth, the study area primarily consisted of farmland with low-density residential uses. Twenty years ago, development associated with Prosper, Frisco, and McKinney had yet to reach this portion of US 380, which was still surrounded by rural land uses. Collin and Denton counties are the fastest growing counties in the NCTCOG planning area. This growth is evident in the rapid expansion of residential and commercial development along the outer edges of the Dallas-Fort Worth Metroplex, including the proposed project area.

Substantial traffic generators in the vicinity include a high concentration of schools; the PGA headquarters (golf course, resort, and convention center); retail establishments; and residential neighborhoods along the US 380 corridor.

The project is not anticipated to change the overall land use character of the US 380 corridor, which is a mix of agricultural, commercial, and residential land uses, as noted earlier. Future roadway-adjacent development is already planned and currently undeveloped land is likely to be converted to urban and suburban use. Given this trend, the corridor is likely to continue to develop, and the proposed improvements would not conflict with current or future land use.

No Build Alternative

Under the No Build Alternative, additional ROW or easements would not be acquired and no land uses would be converted to transportation use.

5.3 Farmlands

The proposed project would convert soil types subject to the Farmland Protection Policy Act to a nonagricultural, transportation use. However, the combined scores of the relative value of the farmland and the Farmland Conservation Impact Rating analysis completed by TxDOT do not warrant further consideration for protection and no additional sites need to be evaluated.

No Build Alternative

Under the No Build Alternative, no important farmland soil types would be converted to transportation use.

5.4 Utility Relocation

It is reasonably foreseeable that utilities will have to be relocated as a result of this project. The impacts resulting from removal of any utilities from within existing highway ROW (e.g., construction noise, potential disturbance to archeological resources, and potential impacts to species habitat) have been considered as part of the overall project footprint impacts within this environmental assessment.

It has not yet been determined whether the dislocated utilities will be re-installed within the highway ROW, or to a location outside the highway ROW. However, the potential impacts resulting from re-installation of the displaced utilities within the highway ROW have been considered as part of the overall project footprint impacts (e.g., construction noise, potential disturbance to archeological resources, and potential impacts to species habitat) within this environmental assessment. To the extent that the owner of any displaced utility determines to reinstall the displaced utility at a location outside of highway ROW, such location will be determined by the owner of the utility subject to the rules and policies governing the utility relocation process. Additionally, the owner of the utility will be responsible for acquiring any easements outside the highway ROW and ensuring that the design and construction meet all regulatory and environmental compliance requirements. See 43 Texas Administrative Code (TAC) 21.37(a)(9), (g)(1)), and (g)(4); 43 TAC 21.38(e)(2).

No Build Alternative

Under the No Build Alternative, no utility relocations or adjustments would be required.

5.5 Bicycle and Pedestrian Facilities

Bicycle and pedestrian facilities that comply with TxDOT's Bicycle Accommodation Design Guidance are proposed as part of the proposed project. TxDOT's guidance implements the U.S. Department of Transportation Policy Statement on Bicycle and Pedestrian Accommodations, as well as FHWA policy. As described in **Section 2.0**., bicycles and pedestrians would be accommodated on the shared-use paths to be included along the south side of US 380 between Teel Parkway and Coit Road and on both sides of the roadway between Coit Road and Lakewood Drive.

No Build Alternative

Under the No Build Alternative, no bicycle or pedestrian improvements would be made by TxDOT.

5.6 Community Impacts

5.6.1 Access and Travel Patterns

The proposed project would reconstruct US 380 from the existing five-lane rural roadway in Denton County and six-lane urban roadway in Collin County to a six-lane, access-controlled freeway with two- to three-lane continuous frontage roads. The proposed project also includes the construction of ramps, interchange improvements, and shared-use paths along both sides of the corridor. Overall, the proposed project would provide increased capacity for the growing traffic volumes in the area, and the ramps and interchange improvements would improve accessibility and safety.

Under the proposed condition, drivers traveling along US 380 in either direction would have fewer opportunities to cross the roadway, as there would no longer be designated left-hand turn lanes along the mainlanes. Instead, drivers wishing to cross the roadway would need to access the frontage roads and turn at signalized intersections or use the U-turns at the signalized intersections to change directions or access the desired community facilities, residential areas, or businesses. Drivers wishing to access the

mainlanes would have to use the frontage roads and ramps, rather than turning directly onto the roadway. Drivers wishing to access US 380 from Dallas North Tollway or Dallas North Tollway from US 380 would use the proposed direct connectors to do so.

These changes in access and travel patterns would lead to increases in travel times for some drivers wishing to cross US 380 to change directions or access businesses, community facilities, or residential areas. Additionally, the roadway would become a controlled-access highway, and driveways would no longer have direct access to the US 380 mainlanes. The differences in travel times would vary based on origin and destination. The majority of residential subdivisions are located at major intersections along the roadway and would still be accessible via these cross-streets. Additionally, drivers along the mainlanes of US 380 would no longer be required to stop at signalized intersections, and traffic would no longer slow in the mainlanes to access driveways with direct access to US 380. The proposed frontage roads and access-controlled mainlanes would result in decreased congestion and increased mobility, which would be expected to negate increases in travel times for local traffic.

The addition of shared use paths may encourage the use of alternate modes of transportation within the project limits, as there are limited walking and cycling facilities along the existing facility. No bus stops are located within the project limits and no changes in bus routes are anticipated as a result of the proposed project.

Emergency responders would generally experience a decrease in travel times as a result of reduced congestion and improved mobility due to the proposed improvements. While the proposed improvements would limit the ability of emergency response vehicles to cross the mainlanes, the designated U-turns and signalized intersections as well as the reduced congestion and improved mobility would likely negate increases in travel times. The proposed improvements would also enhance safety for drivers and emergency responders. Vehicles on the US 380 mainlanes and frontage roads would also be better able to clear a path for emergency responders, making it easier for ambulances, fire engines, and police cars to travel along US 380 in both directions.

Emergency responders from Prosper Fire Station 2 would not see a change traveling westbound on US 380. However, for eastbound travel, they would need to access the frontage roads and pass through the intersection at Legacy Drive before being able to access an on-ramp onto eastbound US 380. Similarly, emergency responders returning to the Prosper Fire Station 2 would have to use the off-ramp prior to the Legacy Drive intersection in order to access Teel Parkway.

No Build Alternative

Under the No Build Alternative, no changes to access or travel patterns would occur.

5.6.2 Community Cohesion

The proposed improvements along US 380 would potentially contribute to a heightened sense of separation experienced by residents near the project area, as access across the roadway would be less direct than under current conditions. While access across the roadway at major intersections would

remain, the construction of frontage roads along US 380 would likely exacerbate the barrier experienced by those directly adjacent to the roadway.

Overall, though, because the existing neighborhoods and cities of Prosper, and Frisco and McKinney are already separated by US 380 and have their own policies, elected officials, and school districts, the proposed project would not likely result in substantial impacts to community cohesion in residential areas located along the project limits as a whole.

No Build Alternative

The No Build Alternative would lead to increased traffic congestion and decreased mobility over time and would not provide an alternative mode of transportation for non-drivers.

5.6.3 Environmental Justice

An environmental justice analysis was completed in accordance with Executive Order (EO) 12898 “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations.” None of the Census block groups (BGs) adjacent to the project area have a median household income below the 2022 Department of Health and Human Services (DHHS) poverty guideline for a family of four ($27,750). According to the 2020 Census, 331 of the 669 populated census blocks within the community study area have a minority population over 50 percent (TxDOT 2022a). These blocks are considered minority populations for the purposes of the environmental justice analysis.

The proposed project would not have a disproportionately high and adverse effect on environmental justice populations. No residential or commercial displacements are expected, no negative changes in community connectivity are expected, and isolation or separation of geographic areas or groups of people would not occur as a result of the proposed project. The reduced congestion and improved mobility would benefit the community as a whole, and the shared use paths planned along the proposed project would serve to increase walkability for pedestrians and non-drivers.

No Build Alternative

Under the No Build Alternative, there would be no disproportionately high and adverse effects to environmental justice populations.

5.6.4 Limited English Proficiency

Of the 27 BGs in the community study area, 23 contain persons who speak English "less than very well." About four percent of residents over the age of five in the block groups adjacent to the project area have indicated that they speak English “less than very well." Of these, approximately 29 percent speak Spanish; 15 percent speak other Indo-European languages; 47 percent speak Asian or Pacific Island languages; and nine percent speak other languages. No churches or other community facilities specifically catering to persons with limited English proficiency (LEP) were observed within the community study area.

An open house public meeting was held May 10, 2022, at Rock Hill High School. This meeting took place virtually and in-person. Notices for public involvement opportunities were provided in English and Spanish, and a translator was made available upon request; however, no requests for translation services were received. Future public involvement efforts will provide the same accommodations to ensure LEP persons are provided with opportunities for meaningful involvement in the environmental process. A public hearing is planned for the proposed project, and Spanish translation services will be available.

5.7 Visual/Aesthetic Impacts

The proposed project would represent a substantial change in the visual landscape, as the US 380 mainlanes would be elevated through most of the project limits and would be the dominant feature in the viewshed, along with the Dallas North Tollway currently being constructed by others. The surrounding viewshed has been steadily converting over several decades from rural agricultural land use to more suburban and urban development, so the proposed expansion of US 380 would continue and exacerbate the increase in urbanization in the overall visual landscape. The construction of the proposed project would not impact unique or important views in the existing landscape, and the project would include aesthetic treatment and landscaping to the extent practicable.

No Build Alternative

Under the No Build Alternative, the visual landscape would remain the same and would still be dominated by US 380 and adjacent development.

5.8 Cultural Resources

Evaluation of impacts to cultural resources has been conducted under Section 106 of the National Historic Preservation Act in accordance with the First Amended Programmatic Agreement among FHWA, TxDOT, the Texas State Historic Preservation Officer (SHPO), and the Advisory Council on Historic Preservation Regarding the Implementation of Transportation Undertakings (PA-TU).

5.8.1 Archeology

In September 2022, under Antiquities Permit #30767, archeologists conducted a survey for the proposed improvements (TxDOT 2022b). In consultation with TxDOT, it was determined that 150 acres of the area of potential effects (APE) would require archeological survey. Investigations consisted of pedestrian survey supplemented with 215 shovel tests; all but three shovel tests were negative for cultural materials. During the survey, two new archeological sites were recorded within the APE (site 41COL365 and site 41COL366). Site 41COL365 is a historic period site consisting of a bottle dump, burn pits that appeared historic and modern, brick features, signs, and a windmill base. This site has modern garbage and evidence of modern use that is still apparent throughout the site. Site 41COL366 is also a historic site consisting of a rock lined well (four feet in diameter and 30 feet deep), concrete steps, a possible concrete privy, a stock pond, and a fallen powerline. Both sites are heavily disturbed or partially demolished and are not recommended for further investigation or recommended eligible for inclusion in the National Register of Historic Places (NRHP) or for designation as a State Antiquities Landmark (SAL).

Due to access constraints at the time of the survey (denial of right of entry), field investigations were completed on 103 acres of the 150 acres recommended as warranting survey. Based on the results of the survey, the soil and geologic conditions within the APE, and the previous impacts from roadway construction, utilities, and other urban development throughout the majority of the APE, no archeological historic properties (36 CFR 800.16[1]) are recommended eligible for the NRHP and no sites warranting SAL designation (13 TAC 26.12) would be impacted within the surveyed portions of the APE. Once right of entry is obtained to the remaining 47 acres of the APE, an intensive survey should be conducted prior to construction of the proposed project.

Coordination with the Texas Historical Commission (THC) has been completed under the PA-TU and Memorandum of Understanding (MOU) and the results of the coordination are included in **Appendix G**. TxDOT has also completed tribal consultation under Section 106 of the National Historic Preservation Act, and one response was received during the comment period (see **Appendix G**). The Comanche Nation responded that no properties had been identified in relation to the proposed project.

In the unlikely event that significant cultural resources are discovered during construction of the proposed project, TxDOT would immediately initiate cultural resource discovery procedures. All work in the vicinity would cease until a specialist from TxDOT and/or the THC could arrive on site and assess the significance of the discovery and the potential need for additional investigation, if necessary.

No Build Alternative

Under the No Build Alternative, impacts to archeological resources would not occur.

5.8.2 Historic Properties

The potential effects of the proposed project to historic resources have been evaluated by qualified historians, in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended. The APE is 150 feet from the existing and proposed ROW, including all parcels partially or wholly therein.

A total of two individual resources on two parcels were identified within the APE based on a desktop survey conducted in August 2022 (TxDOT 2022c). All historic-age resources (constructed in 1981 or earlier) were evaluated according to the NRHP criteria for eligibility. All of the historic-age resources are recommended not eligible for the NRHP, and therefore no impacts to historic standing structures would result from implementation of the proposed project. Coordination with the THC has been completed under the PA-TU and MOU and the results of the coordination are included in **Appendix G**.

No Build Alternative

The No Build Alternative would not result in impacts to historic standing structures.

5.9 Protected Lands

5.9.1 Section 4(f) of the Department of Transportation Act

There are no Section 4(f) properties present in the project area, and therefore properties protected under Section 4(f) would not be impacted by the proposed project.

5.9.2 Section 6(f) of the Land and Water Conservation Fund Act

There are no Section 6(f) properties present in the project area, and therefore properties protected under Section 6(f) would not be impacted by the proposed project.

5.9.3 Chapter 26 of the Texas Parks and Wildlife Code

There are no Chapter 26 properties present in the project area, and therefore properties protected under Chapter 26 would not be impacted by the proposed project.

No Build Alternative

Under the No Build Alternative, impacts to properties protected by Section 4(f), Section 6(f), or Chapter 26 would not occur.

5.10 Water Resources

5.10.1 Clean Water Act Section 404

This project would involve regulated activity in jurisdictional waters and therefore would require authorization under Section 404. The following table (see **Table 5.10-1**) shows water features identified within the proposed project limits, including the waters that are anticipated to be jurisdictional waters in which regulated activity is anticipated to take place. It also indicates whether the impacts are anticipated to be authorized under Section 404 by a non-reporting nationwide permit (i.e., no pre-construction notification required), or if it is anticipated that a nationwide permit with pre-construction notification, individual standard permit, letter of permission, or regional general permit would be required.

For this project, a nationwide permit with a pre-construction notification is anticipated, and a pre-application meeting with the USACE Fort Worth District has been held (December 19, 2022). The need for an individual standard permit under Section 404 is not anticipated. If it is later determined that an individual standard permit under Section 404 is needed, compliance with EPA's Section 404(b)(1) Guidelines will be confirmed prior to submittal of the individual standard permit application.

A review was conducted of the National Wetland Inventory (NWI) and the National Hydrography Dataset (NHD) maps, the Web Soil Survey (USDA 2022), and US Geological Survey (USGS) 7.5-minute quadrangle sheet for Frisco. A review of recent aerial photography determined that several water features exist within the vicinity of the proposed project. Field reconnaissance conducted on May 2 through 6, 2022, and June 6, 2022, confirmed this determination.

Thirty-two water features were identified within the proposed project area. Wetland boundaries and stream ordinary high-water marks (OHWMs) were determined in the field according to the US Army Corps of Engineers (USACE) 1987 Wetlands Delineation Manual and 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region (Version 2).

Table 5.10-1: Water Features within Proposed Construction Limits

Name of Water Feature	Type of Water Feature	Location of Water Feature	Covered by non-reporting nationwide permit under Section 404?	Nationwide permit with pre-construction notification, individual standard permit, letter of permission, or regional general permit required under Section 404?
Unnamed Tributary to Panther Creek (ES-1)	Ephemeral Stream	Figure F-2	N/A	N/A
Unnamed Tributary to Panther Creek (ES-2)	Ephemeral Stream	Figure F-4	Y	N/A
Unnamed Drainage Ditch (DD-1)	Drainage Ditch	Figure F-4	N/A	N/A
Unnamed Tributary to Parvin Branch (IS-1)	Intermittent Stream	Figure F-5	N	Nationwide permit with pre-construction notification
Unnamed Palustrine Emergent Wetland (PEM-1A)	Palustrine Emergent Wetland	Figure F-5	N	Nationwide permit with pre-construction notification
Unnamed Palustrine Emergent Wetland (PEM-1B)	Palustrine Emergent Wetland	Figure F-5	N	Nationwide permit with pre-construction notification
Unnamed Drainage Ditch (DD-2)	Drainage Ditch	Figure F-5	N/A	N/A
Unnamed Drainage Ditch (DD-3)	Drainage Ditch	Figure F-7	N/A	N/A
Unnamed Drainage Ditch (DD-4)	Drainage Ditch	Figure F-8	N/A	N/A
Unnamed Drainage Ditch (DD-5)	Drainage Ditch	Figure F-8	N/A	N/A
Unnamed Tributary to Parvin Branch (IS-2)	Intermittent Stream	Figure F-9	Y	N/A
Unnamed Tributary to Parvin Branch (IS-3)	Intermittent Stream	Figure F-10	N	Nationwide permit with pre-construction notification
Parvin Branch (Parvin Branch-1)	Perennial Stream	Figure F-10	N	Nationwide permit with pre-construction notification
Unnamed Open Water/Palustrine Emergent Wetland (OW/PEM-1)	Open Water/ Palustrine Emergent Wetland	Figure F-10	N	Nationwide permit with pre-construction notification
Unnamed Tributary to Parvin Branch (IS-4)	Intermittent Stream	Figure F-11	Y	N/A

Table 5.10-1: Water Features within Proposed Construction Limits				
Name of Water Feature	**Type of Water Feature**	**Location of Water Feature**	**Covered by non-reporting nationwide permit under Section 404?**	**Nationwide permit with pre-construction notification, individual standard permit, letter of permission, or regional general permit required under Section 404?**
Unnamed Drainage Ditch (DD-6)	Drainage Ditch	Figure F-12	N/A	N/A
Unnamed Tributary to Rutherford Branch (IS-5)	Intermittent Stream	Figure F-13	Y	N/A
Unnamed Tributary to Rutherford Branch (IS-6)	Intermittent Stream	Figure F-13	N/A	N/A
Unnamed Palustrine Forested Wetland (PFO-1)	Palustrine Forested Wetland	Figure F-13	N/A	N/A
Rutherford Branch	Perennial Stream	Figure F-13	N/A	N/A
Unnamed Tributary to Rutherford Branch (ES-3)	Ephemeral Stream	Figure F-13	N/A	N/A
Unnamed Tributary to Panther Creek (IS-7)	Intermittent Stream	Figure F-14	N/A	N/A
Unnamed Tributary to Panther Creek (IS-8)	Intermittent Stream	Figure F-15	N/A	N/A
Unnamed Drainage Ditch (DD-7)	Drainage Ditch	Figure F-15	N/A	N/A
Parvin Branch (Parvin Branch-2)	Perennial Stream	Figure F-16	N	Nationwide permit with pre-construction notification
Unnamed Palustrine Emergent Wetland (PEM-2)	Palustrine Emergent Wetland	Figure F-16	N	Nationwide permit with pre-construction notification
Unnamed Palustrine Emergent Wetland (PEM-3)	Palustrine Emergent Wetland	Figure F-16	N	Nationwide permit with pre-construction notification
Unnamed Open Water (OW-1)	Pond	Figure F-16	N	Nationwide permit with pre-construction notification
Unnamed Drainage Ditch (DD-8)	Drainage Ditch	Figure F-17	N/A	N/A
Unnamed Drainage Ditch (DD-9)	Drainage Ditch	Figure F-17	N/A	N/A
Unnamed Tributary to Doe Branch (IS-9)	Intermittent Stream	Figure F-18	N	Nationwide permit with pre-construction notification
Unnamed Drainage Ditch (DD-10)	Drainage Ditch	Figure F-18	N/A	N/A

Source: TxDOT 2022d.

No Build Alternative

Under the No Build Alternative, impacts to waters of the U.S., including wetlands, from the proposed construction activities associated with the Build Alternative would not occur. Routine maintenance of the highway, including mowing or clearing vegetation and removal of debris from drainage systems and culverts would continue, and any regulated impacts to waters of the U.S. would be permitted, as needed.

5.10.2 Clean Water Act Section 401

For projects that require a Nationwide Permit (NWP) under Section 404 that is covered by TCEQ's blanket 401 water quality certification, regardless of whether the NWP is non-reporting, or requires the submission of a Pre-construction Notification (PCN), TxDOT complies with Section 401 of the Clean Water Act (CWA) by implementing TCEQ conditions for NWPs. For projects that require authorization under a NWP under Section 404 that is not covered by TCEQ's blanket 401 water quality certification, or under an Individual Standard Permit, Letter of Permission, or Regional General Permit under Section 404, TxDOT will coordinate the Section 401 water quality certification with TCEQ. TCEQ will either approve or deny the Section 401 water quality certification or issue a waiver. The TCEQ Section 401 water quality certification decision must be submitted to the USACE before use of the NWP can be confirmed, or an Individual Standard Permit, Letter of Permission, or Regional General Permit decision can be made.

No Build Alternative

Under the No Build Alternative, impacts to waters of the U.S. from the proposed construction activities associated with the Build Alternative would not occur, and therefore compliance with Section 401 would not be required.

5.10.3 Executive Order 11990 Wetlands

Executive Order 11990 requires federal agencies to provide leadership and take action to minimize the destruction, loss or degradation of wetlands, and preserve and enhance the natural and beneficial values of wetlands. The proposed project would impact wetlands as detailed in **Section 5.10.1**. The proposed improvements would be an expansion of the existing facility, and a new location facility to avoid wetland impacts is not practicable and would result in residential and commercial displacements and other environmental effects, including impacts to wetlands. Along the north side of US 380, the project is constrained by commercial and residential development and an existing 72-inch water line that supplies water to the City of Irving. Because of these constraints, the expansion must occur to the south of the existing roadway, where wetlands are prevalent and unavoidable. Along the DNT, the project is limited to proposed frontage road and ramp improvements to transition the direct connector roadways. The design and construction of these improvements are constrained by the configuration of the existing mainlanes and must occur on the west side of the DNT where wetlands are present and unavoidable. Because of the constraints detailed above, no practicable alternatives to the placement of fill into wetlands were identified. The proposed project has been refined to the extent practicable in order to reduce wetland impacts and includes all practicable measures to avoid and minimize harm to wetlands.

No Build Alternative

Under the No Build Alternative, impacts to wetlands from the proposed construction activities associated with the Build Alternative would not occur, and therefore compliance with Executive Order 11990 would not be required.

5.10.4 Rivers and Harbors Act

Section 9 of the Rivers and Harbors Act of 1899 prohibits the construction of any bridge or causeway over or in navigable waterways of the U.S. without Congressional consent and approval through the Secretary of Transportation. Under Section 10 of the Act, the building of any wharfs, piers, jetties, and other structures is prohibited without Congressional approval, and excavation or fill within navigable waters requires USACE approval. The typical permitting process for bridges and causeways, however, was modified by the General Bridge Act of 1946, which granted the consent of Congress for any construction, maintenance and operation of bridges and approaches over navigable waters of the U.S. that are approved by the U.S. Coast Guard (USCG). This proposed project would not involve work in or over a navigable water of the U.S.; therefore, Sections 9 and 10 of the Rivers and Harbors Act and the General Bridge Act of 1946 do not apply.

No Build Alternative

Under the No Build Alternative, impacts to navigable waterways from the proposed construction activities associated with the Build Alternative would not occur, and therefore compliance with Sections 9 and 10 of the Rivers and Harbors Act and the General Bridge Act of 1946 would not be required.

5.10.5 Clean Water Act Section 303(d)

The State of Texas is required, under Sections 305(b) and 303(d) of the federal CWA, to prepare biennial statewide water quality assessments that identify the status of use attainment for water bodies, and to identify water bodies for which effluent limitations are not stringent enough to implement water quality standards. Based on the assessments, the proposed project area is accounted for on the 303(d) list. The proposed project is within five linear miles of, is within the watershed of, and drains to, an impaired assessment unit under Section 303(d) (see **Table 5.10-2**); therefore, coordination with TCEQ is required. The 2020 Texas Integrated Report Index of Water Quality Impairments was utilized in this assessment.

Table 5.10-2: Impaired Water Features within the Project Area

Watershed	Segment Name	Segment Number	Assessment Unit Number
Upper Wilson Creek (HUC 120301060206)	Wilson Creek	0821C	0821C_01

Source: TCEQ 2020

To date, TCEQ has not identified (through either a total maximum daily load (TMDL) or the review of projects under the TCEQ MOU) a need to implement control measures beyond those required by the construction general permit (CGP) on road construction projects. Therefore, compliance with the project's

CGP, along with coordination under the TCEQ MOU for certain transportation projects, collectively meets the need to address impaired waters during the environmental review process. As required by the CGP, the project and associated activities will be implemented, operated, and maintained using best management practices to control the discharge of pollutants from the project site.

No Build Alternative

Under the No Build Alternative, impacts to impaired waters from the proposed construction activities associated with the Build Alternative would not occur, and therefore compliance with Section 303(d) would not be required.

5.10.6 Clean Water Act Section 402

Since Texas Pollutant Discharge Elimination System (TPDES) CGP authorization and compliance (and the associated documentation) occur outside of the environmental clearance process, compliance is ensured by the policies and procedures that govern the design and construction phases of the project. The Project Development Process Manual and the Plans, Specifications, and Estimates (PS&E) Preparation Manual require a storm water pollution prevention plan (SWP3) be included in the plans of all projects that disturb one or more acres. The Construction Contract Administration Manual requires that the appropriate CGP authorization documents (notice of intent or site notice) be completed, posted, and submitted, when required by the CGP, to TCEQ and the municipal separate storm sewer system (MS4) operator. It also requires that projects be inspected to ensure compliance with the CGP.

The PS&E Preparation Manual requires that all projects include Standard Specification Item 506 (Temporary Erosion, Sedimentation, and Environmental Controls), and the "Required Specification Checklists" require Special Provision 506-003 on all projects that need authorization under the CGP. These documents require the project contractor to comply with the CGP and SW3P and complete the appropriate authorization documents.

No Build Alternative

Under the No Build Alternative, impacts to surface waters from the proposed construction activities associated with the Build Alternative would not occur, and therefore compliance with Section 402 would not be required.

5.10.7 Floodplains

The project is located within a Federal Emergency Management Agency (FEMA) designated 100-year floodplain [FEMA Fire Insurance Rate Map (FIRM) panels 48121C0430G, effective 4/17/2011; 48085C0230J, effective 6/1/2009; and 48085C0235J, effective 6/1/2009]. These areas include Parvin Branch, one unnamed tributary to Doe Branch, an unnamed tributary to Panther Creek, and Rutherford Branch. This project is federally funded and is therefore subject to EO 11988, Floodplain Management. However, the project will not involve a significant encroachment in the floodplain. Coordination with the local Floodplain Administrators (City of Prosper, City of Frisco) will be required.

No Build Alternative

The No Build Alternative would not impact floodplains, and coordination with the local floodplain administrator would not be required.

5.10.8 Wild and Scenic Rivers

The proposed project would not impact any present, proposed, or potential unit of the National Wild and Scenic Rivers System.

No Build Alternative

The No Build alternative would not impact any present, proposed, or potential unit of the National Wild and Scenic Rivers System.

5.10.9 Coastal Barrier Resources

The Coastal Barrier Resources Act (CBRA) does not apply.

No Build Alternative

The Coastal Barrier Resources Act (CBRA) does not apply to the No Build alternative.

5.10.10 Coastal Zone Management

The proposed project is not located within the Texas Coastal Zone Management Plan (TCMP) boundary. Therefore, a consistency determination is not required.

No Build Alternative

A TCMP consistency determination is not required for the No Build alternative.

5.10.11 Edwards Aquifer

The TCEQ Edwards Aquifer Rules do not apply.

No Build Alternative

The Edwards Aquifer Rules do not apply to the No Build alternative.

5.10.12 International Boundary and Water Commission

This project does not cross or encroach upon the floodway of the International Boundary Water Commission (IBWC) ROW or an IBWC flood control project.

No Build Alternative

The No Build alternative does not cross or encroach upon the floodway of IBWC ROW or an IBWC flood control project.

5.10.13 Drinking Water Systems

In accordance with TxDOT's Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges (Item 103, Disposal of Wells), any drinking water wells would need to be properly removed and disposed of during construction of the project.

No Build Alternative

Under the No Build Alternative, impacts to water wells or drinking water systems would not occur.

5.11 Biological Resources

5.11.1 Impacts to Vegetation

The Ecological Mapping Systems of Texas (EMST) categorized the project area vegetation into 14 different communities. Field investigations conducted by qualified biologists somewhat agreed with the EMST though multiple discrepancies were noted. Vegetation mapped during field investigations was categorized into ten communities and potential impacts to vegetation types were calculated for the proposed project. **Table 5.11-1** provides a summary of the EMST vegetation types and total acreages that may be impacted by the proposed project in both the existing and proposed ROW and permanent easements.

Table 5.11-1: EMST Vegetation Types Potentially Impacted by the Proposed Project

EMST Type	Area Impacted (acres)
Blackland Prairie: Disturbance or Tame Grassland	27.21
Central Texas: Riparian Hardwood Forest	3.95
Central Texas: Riparian Deciduous Shrubland	1.06
Central Texas: Riparian Herbaceous Wetland	0.97
Barren	2.49
Native Invasive: Deciduous Woodland	4.10
Row Crops	102.31
Urban High Intensity	199.94
Urban Low Intensity	82.99
Open Water	0.54
Total	**425.6**

Additionally, approximately 10 large pecan trees (*Carya illinoinensis*) were identified during field investigations that may be impacted by the proposed project.

No Build Alternative

Under the No Build Alternative, impacts to vegetation from the proposed construction would not occur, although the existing ROW would continue to be mowed and maintained.

5.11.2 Executive Order 13112 on Invasive Species

This project is subject to and will comply with federal EO 13112 on Invasive Species. The department implements this EO on a programmatic basis through its Roadside Vegetation Management Manual and Landscape and Aesthetics Design Manual.

5.11.3 Executive Memorandum on Environmentally and Economically Beneficial Landscaping

This project is subject to and would comply with the federal Executive Memorandum on Environmentally and Economically Beneficial Landscaping, effective April 26, 1994. The department implements this Executive Memorandum on a programmatic basis through its Roadside Vegetation Management Manual and Landscape and Aesthetics Design Manual.

5.11.4 Impacts to Wildlife

The proposed project would affect wildlife species present within the existing and proposed ROW. Some sessile and/or slow-moving species could be killed by heavy machinery during ROW clearing. Impacts to wildlife within the proposed project area would also occur in conjunction with the removal of vegetation and disturbance in and around water features. Wooded areas provide cover, food, and habitat for many resident and migratory species. Trees within maintained landscape areas provide nesting habitat for birds. Additionally, certain species of birds utilize sparsely vegetated areas for ground nesting, and these areas would be disturbed during construction. An increase in runoff related to the operation of the proposed project could cause minor, incremental changes in the physical and chemical characteristics of area streams. Additional information regarding impacts to wildlife can be found in **Section 5.11.10**.

The use of best management practices (BMPs), careful vegetation clearing techniques, and replanting would minimize impacts to wildlife habitat within the proposed project area. Monitoring before and during construction activities would protect wildlife species, including nesting birds, from direct harm. Adjacent wildlife habitat would be protected from stormwater runoff by implementing BMPs that would control erosion and sedimentation.

No Build Alternative

Under the No Build Alternative, impacts to wildlife and wildlife habitat would not occur, although the existing ROW would continue to be mowed and maintained.

5.11.5 Migratory Bird Treaty Act

This project would comply with applicable provisions of the Migratory Bird Treaty Act (MBTA) and Texas Parks and Wildlife Code Title 5, Subtitle B, Chapter 64, Birds. It is the department's policy to avoid removal and destruction of active bird nests except through federal or state approved options. In addition, it is the department's policy to, where appropriate and practicable:

- use measures to prevent or discourage birds from building nests on man-made structures within portions of the project area planned for construction, and
- schedule construction activities outside the typical nesting season.

Additional preemptive and preventative measures that may be applied, where appropriate and practicable, are described in TxDOT's Guidance – Avoiding Migratory Birds and Handling Potential Violations.

The MBTA states that it is unlawful to kill, capture, collect, possess, buy, sell, trade, or transport any migratory bird, nest, young, feather, or egg in part or in whole, without a federal permit issued in accordance within the Act's policies and regulations.

TxDOT will take all appropriate actions to prevent the take of migratory birds, their active nests, eggs, or young should they be discovered on the project site. Direction to contractors would be provided on the standard Environmental Permits, Issues and Commitments (EPIC) construction plan sheet.

Appropriate measures would be taken to avoid adverse impacts on migratory birds and would include the following:

- Prior to construction, perform daytime surveys for nests including under bridges and in culverts to determine if nests are active before removal. Nests that are active should not be disturbed;
- Do not disturb, destroy, or remove active nests, including ground nesting birds, during the nesting season;
- Avoid the removal of unoccupied, inactive nests, as practicable;
- Prevent the establishment of active nests during the nesting season on TxDOT-owned and operated facilities and structures proposed for replacement or repair; and
- Do not collect, capture, relocate, or transport birds, eggs, young, or active nests without a permit.

5.11.6 Fish and Wildlife Coordination Act

The proposed project is anticipated to require a nationwide permit issued by the USACE. Compliance with the Fish and Wildlife Coordination Act will be accomplished by complying with the terms and conditions of the Nationwide permit.

5.11.7 Bald and Golden Eagle Protection Act of 2007

This project is not within 660 feet of an active or inactive Bald or Golden Eagle nest. Therefore, no coordination with the United States Fish & Wildlife Service (USFWS) is required.

5.11.8 Magnuson-Stevens Fishery Conservation Management Act

The Essential Fish Habitat (EFH)/Magnuson-Stevens Fishery Conservation and Management Act (MSA) does not apply.

5.11.9 Marine Mammal Protection Act

The project area does not contain suitable habitat for marine mammals.

5.11.10 Threatened, Endangered, and Candidate Species

A Species Analysis was performed to assess potential impacts the proposed project would have on federally and state-listed threatened, endangered, and candidate species. A Species Analysis Form and Species Analysis Spreadsheet (TxDOT 2022e) are available at the TxDOT Dallas District office.

Federally Listed Species

The Endangered Species Act (ESA) was enacted in 1973 to provide a program for the conservation of threatened and endangered species and the ecosystems upon which these species depend. The ESA is codified at 16 United States Code (USC) 1531 – 1544. Section 7(a)(1) (16 USC 1536) of the ESA directs all federal agencies to work to conserve endangered and threatened species and to use their authorities to further the purposes of the Act. Section 7(a)(2) requires federal agencies to consult with USFWS and/or National Marine Fisheries Service (NMFS) to ensure that any federal action authorized, funded, or carried out is not likely to jeopardize the continued existence of any threatened or endangered species or result in the destruction or adverse modification of critical habitat, unless granted an exemption for such action. In fulfilling section 7(a)(2) obligations, federal agencies shall use the best scientific and commercial data available. The regulations at 50 CFR 402 provides the implementing regulations for interagency cooperation with respect to section 7.

According to the USFWS, the proposed action area is within the range and in suitable habitat of federally protected species. Based on the following information, the proposed project would not affect protected species and/or their habitat and would not affect areas that have been designated as critical habitat by the USFWS.

The following species are listed in the USFWS Information for Planning and Consultation (IPaC) Official Species List (dated October 27, 2022) as possibly occurring within Collin or Denton County: Whooping Crane (*Grus americana*), Piping Plover (*Charadrius melodus*), and Red Knot (*Calidris canutus rufa*); along with two species proposed for federal listing, tricolored bat (*Perimyotis subflavus*) and Texas fawnsfoot (*Truncilla macrodon*); and one candidate species for federal listing, monarch butterfly (*Danaus plexippus*). The USFWS IPaC Official Species List states that the Piping Plover and Red Knot only need to be considered for wind energy projects. Additionally, TPWD annotated county lists of rare species indicate that one federally threatened bird species, Black Rail (*Laterallus jamaicensis*), and one reptile species proposed for federal listing, alligator snapping turtle (*Macrochelys temminckii*), have the potential to occur within Collin or Denton County.

No suitable habitat for the federally listed bird or proposed reptile species was observed within the proposed action area, as verified by a qualified biologist during the May 2-6, 2022, field investigation. The Whooping Crane could potentially migrate through the project area; however, suitable habitat for this species does not occur within the action area. Additionally, while this species utilizes a variety of habitats

during migration, Whooping Cranes prefer isolated areas away from human disturbances (Campbell 2003). Likewise, the Black Rail could potentially migrate through the project area; however, suitable breeding or wintering habitat for this species does not occur within the action area and any use of potential migratory stopover habitat would be incidental. Therefore, TxDOT has determined that the proposed project would have no effect on the Piping Plover, Red Knot, Whooping Crane, Black Rail, or alligator snapping turtle. Additionally, as detailed in the IPaC Official Species List, no USFWS designated critical habitat is present in the vicinity of the proposed project.

Potential habitat for the Texas fawnsfoot occurs in the vicinity of the proposed project within Parvin Branch, an unnamed tributary to Parvin Branch, and Rutherford Branch. The Texas fawnsfoot is proposed for federal listing as threatened, therefore consultation with the USFWS is not required at this time. If the species becomes federally threatened or endangered over the life of the project, it would be re-evaluated to determine the appropriate course of action, which might include conference or consultation with USFWS. To avoid impacts to the Texas fawnsfoot, the following BMPs would be implemented in areas identified as suitable freshwater mussel habitat:

- Freshwater Mussel BMPs
- Water Quality BMPs
- Stream Crossing BMPs

Potential habitat for the monarch butterfly (*Danaus plexippus*) occurs in the vicinity of the proposed project; however, the monarch butterfly is currently a candidate species and no consultation with USFWS is required at this time. As construction activities for this project are not anticipated to be completed prior to Fiscal Year 2024, when a listing decision for the species is anticipated, additional coordination may be required. The project should be reevaluated at that time to determine if further action is required if the species becomes proposed for federal listing.

Bridge culverts, deciduous woodland (including 10 large pecan trees noted during the field investigation), and riparian woodland within the project area could provide roosting habitat for the tricolored bat. No occupancy was observed within areas of potential roosting habitat identified during the field investigation; however, a full habitat assessment suitable to make an effect determination on the tricolored bat has not been performed for the proposed project. The tricolored bat is proposed for federal listing as endangered, therefore consultation with the USFWS is not required at this time. If the species becomes federally threatened or endangered over the life of the project, it would be re-evaluated to determine the appropriate course of action, which might include conference or consultation with USFWS.

State-listed Species

Endangered species legislation passed in Texas in 1973—amended in 1981, 1985 and 1987—and subsequent 1975 and 1981 revisions to the Parks and Wildlife Code established a state regulatory vehicle for the management and protection of threatened and endangered species in Texas. The Parks and Wildlife Code authorizes the Texas Parks & Wildlife Department (TPWD) to formulate lists of threatened and endangered fish and wildlife species and to regulate the taking or possession of such species.

Potential habitat for state-listed threatened species occurs in the vicinity of the proposed project. These species include three birds, the Least Tern (*Sternula antillarum*), the White-faced Ibis (*Plegadis chihi*) and Wood Stork (*Mycteria americana*); and four mussels, the Louisiana pigtoe (*Pleurobema riddellii*), sandbank pocketbook (*Lampsilis satura*), Texas fawnsfoot (*Truncilla macrodon*), and Texas heelsplitter (*Potamilus amphichaenus*).

To avoid or minimize impacts to state-listed freshwater mussel species, the following BMPs would be implemented:

- Freshwater Mussel BMPs
- Water Quality BMPs
- Stream Crossing BMPs

The project area does not contain suitable breeding or wintering habitat for the Least Tern, White-faced Ibis or Wood Stork. Although potential foraging habitat may be present, these species are not expected to regularly occur, and any use of this habitat would be incidental. Therefore, TxDOT has determined that the proposed project would have no impact to the Least Tern, White-faced Ibis, and Wood Stork.

Species of Greatest Conservation Need

Additionally, potential habitat for Species of Greatest Conservation Need (SGCN) occurs in the vicinity of the proposed project. These include three amphibians, the southern crawfish frog (*Lithobates areolatus*), Strecker's chorus frog (*Pseudacris streckeri*), and Woodhouse's toad (*Anaxyrus woodhousii*); two birds, the Sprague's Pipit (*Anthus spragueii*) and Western Burrowing Owl (*Athene cunicularia hypugaea);* five mammals, the eastern spotted skunk (*Spilogale putorius*), long-tailed weasel (*Mustela frenata*), muskrat (*Ondatra zibethicus*), swamp rabbit (*Sylvilagus aquaticus*), and western hog-nosed skunk (*Conepatus leuconotus*); and six reptiles, the eastern box turtle (*Terrapene carolina*), smooth softshell (*Apalone mutica*), Texas garter snake (*Thamnophis sirtalis annectens*), timber (canebrake) rattlesnake (*Crotalus horridus*), western box turtle (*Terrapene ornata*), and western chicken turtle (*Deirochelys reticularia miaria*). The southern crawfish frog, Strecker's chorus frog, and Woodhouse's toad could occur in wet or moist areas along project area creeks, drainages, and wetlands. The Sprague's pipit and Western Burrowing Owl could occur in disturbed grassland and agricultural fields within the project area. The eastern spotted skunk, long-tailed weasel, muskrat, swamp rabbit, and western hog-nosed skunk could inhabit disturbed prairie, woodlands, and riparian areas throughout and adjacent to the proposed project.

Impacts to these SGCN would be avoided or minimized by implementing the following BMPs:

- Aquatic Amphibian and Reptile BMPs
- Bird BMPs
- Terrestrial Amphibian and Reptile BMPs
- Water Quality BMPs
- Vegetation BMPs
- Impacts to wetland habitats including isolated ephemeral pools would be minimized
- General Design and Construction BMPs

No Build Alternative

Under the No Build Alternative, impacts to wildlife and wildlife habitat, including impacts to federally or state-listed threatened or endangered species, would not occur.

5.12 Air Quality

This project is located within an area that has been designated by the U.S. Environmental Protection Agency (EPA) as a severe and moderate nonattainment area for the 2008 and 2015 ozone National Ambient Air Quality Standards (NAAQS), respectively; therefore, transportation conformity rules apply. Conformity for older standards is satisfied by conformity to the more stringent 2008 and 2015 ozone NAAQS.

Both the NCTCOG's financially constrained 2045 MTP Update and the 2023–2026 TIP, as amended, were initially found to conform to the TCEQ SIP by the FHWA and FTA on December 15, 2022. TxDOT will not take final action on this environmental document until a project level conformity determination has been obtained from FHWA, as applicable. The proposed project would also need to be added to the 2023-2026 TIP and STIP. Copies of the MTP and TIP pages are included in **Appendix E**.

Traffic for the estimated time of completion year 2030 and design year 2050 is estimated to be 130,400 and 199,350 vehicles per day, respectively, therefore triggering the need for a traffic air quality analysis. Topography and meteorology in the project area are not likely to seriously restrict dispersion of the air pollutants. The traffic data used in the analysis was obtained from TxDOT Transportation Planning and Programming Division (TPP).

Carbon monoxide (CO) concentrations for the proposed action were modeled using CAL3QHC and TxDOT's Emission Rate Lookup Tables (ERLT) for CO for the Dallas-Fort Worth area and factoring in adverse meteorological conditions and sensitive receptors at the ROW line. The projected traffic volumes used for this CO analysis reflect a slightly lower AADT volume in 2030 (129,200) and a slightly higher AADT volume in 2050 (201,950). The difference is minimal; however, the analysis will be updated, and those results will be presented in the Final EA. Maximum local concentrations of carbon monoxide are not expected to exceed national standards at any time (see **Table 5.12-1**).

Table 5.12-1: Maximum Project Carbon Monoxide Concentrations				
Year	1-hour CO Concentration*	1 HR % NAAQS	8-hour CO Concentration*	8-HR % NAAQS
2030	2.2	6%	1.8	19%
2050	2.1	6%	1.7	19%

Source: TxDOT 2022f.

*The NAAQS for CO is 35 parts per million (ppm) for 1-hour and 9 ppm for 8 hours. Analysis includes a one-hour background concentration of 1.7 ppm and an 8-hour background concentration of 1.4 ppm.

M**obile Source Air Toxics**

The Vehicle Miles Traveled (VMT) estimated for the Build Alternative is slightly higher than that for the No Build Alternative, because the additional capacity increases the efficiency of the roadway and attracts rerouted trips from elsewhere in the transportation network. The additional travel lanes contemplated as part of the project would have the effect of moving some traffic closer to nearby homes and businesses; therefore, under the Build Alternative there may be localized areas where ambient concentrations of Mobile Source Air Toxics (MSAT) would be higher than the No Build Alternative. The localized increases in MSAT concentrations would likely be most pronounced along the expanded roadway sections that would be built at the intersections with the DNT and at SH 289/Preston Road. However, the magnitude and the duration of these potential increases compared to the No Build alternative cannot be reliably quantified due to incomplete or unavailable information in forecasting project-specific MSAT health impacts. Also, MSAT will be lower in other locations when traffic shifts away from them. However, on a regional basis, EPA's vehicle and fuel regulations, coupled with fleet turnover, will over time cause substantial reductions that, in almost all cases, will cause region-wide MSAT levels to be significantly lower than today.

The methodology employed to determine the affected network for the quantitative MSAT analysis involved using the traffic volume projections and traffic diagrams approved for use on the US 380 project by Transportation Planning and Programming Division (TP&P) to identify affected roadway links for the Base Year 2021 and 2050 No Build and Build Alternatives; the roadway links include US 380 and cross-streets within the project limits. Because the traffic projections were prepared for 2030 and 2050, a linear growth rate was determined and applied to the 2030 traffic volumes to establish traffic volumes for the base year 2021. The emission rates used in the analysis were based on the MOVES2014B model. Emission rates for the primary MSATs were derived for each roadway link in the affected network based on year, roadway type, and speed using TxDOT's emission rate lookup tables for the Dallas-Fort Worth Metropolitan area for the years 2021 and 2050; no interim year was chosen for analysis.

For the US 380 MSAT analysis, a base year of 2021 and a design year of 2050 were used. The numeric results of the MSAT analysis are shown below in **Table 5.12-2**. These results are represented graphically in **Figure 1**, which shows emissions for each primary MSAT for each affected network (i.e., base year and design year for build and no build scenarios), and **Figure 2**, which shows total MSAT emissions as compared to total VMT for each affected network.

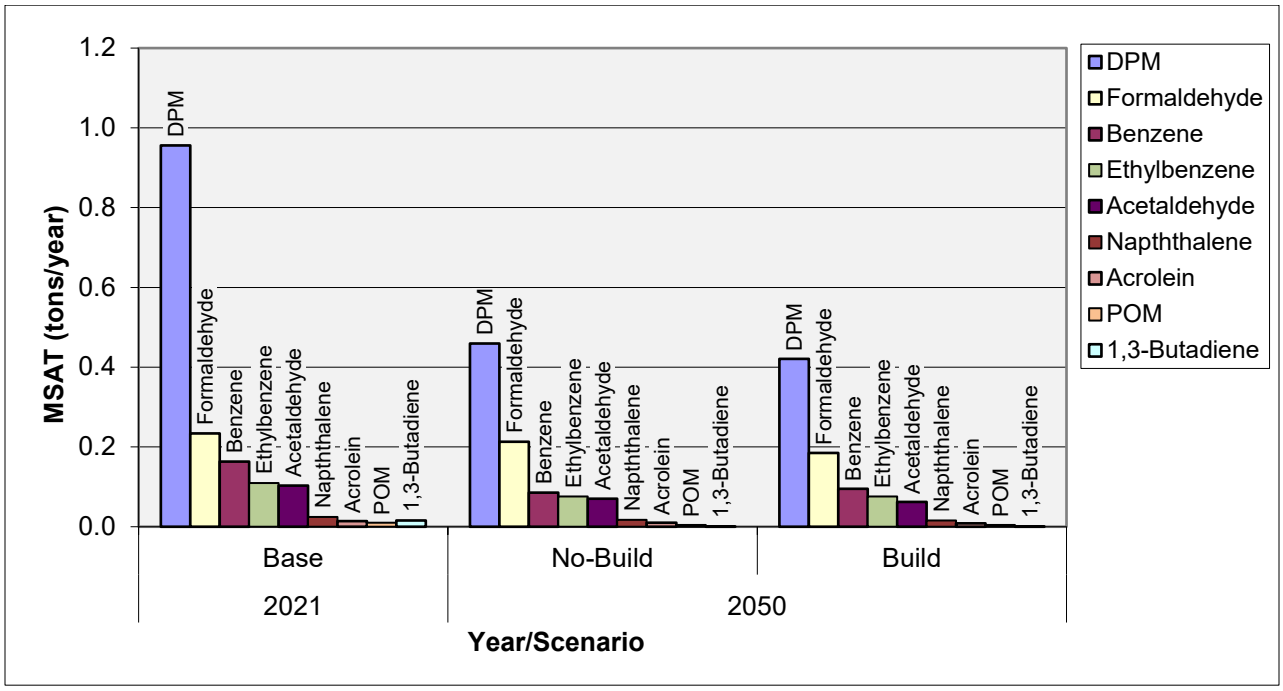
Table 5.12-2: MSAT Emissions by Alternative (Tons/Year)					
Compound	Year / Scenario			% Change 2021–2050	
	2021 Base Year	2050 Design Year		No-Build	Build
		No-Build	Build		
Diesel Particulate Matter	0.9556	0.4590	0.4205	-52%	-56%
Benzene	0.1634	0.0852	0.0950	-48%	-42%
Formaldehyde	0.2341	0.2132	0.1850	-9%	-21%
1,3-Butadiene	0.0159	0.0007	0.0006	-96%	-96%
Acrolein	0.0138	0.0099	0.0086	-29%	-38%
Ethylbenzene	0.1094	0.0759	0.0756	-31%	-31%
Acetaldehyde	0.1032	0.0704	0.0619	-32%	-40%
Polycyclic Organic Matter	0.0099	0.0045	0.0046	-55%	-53%
Naphthalene	0.242	0.0173	0.0155	-28%	-36%
Total MSAT	**1.6296**	**0.9360**	**0.8672**	**-43%**	**-47%**
Total VMT (Miles/Year)	**185,655,861**	**373,025,301**	**368,662,374**	**101%**	**99%**

Source: TxDOT 2022g.

The analysis indicates total MSAT emissions can be expected to be lower by 2050 if either the Build Alternative or the No Build Alternative were implemented. Emissions of total MSAT are predicted to be approximately 47% lower in the 2050 Build Alternative compared with the 2021 Base Year; with the No Build Alternative, emissions would be approximately 43% lower.

Of the nine priority MSAT compounds, diesel particulate matter (DPM) contributes the most to the emissions total in 2021 as well as in 2050 (see **Table 5.12-2** and **Figure 1**), though, in future years, a decrease in DPM is anticipated for both the 2050 Build Alternative (-56%) and the 2050 No Build Alternative (-52%). The amount of benzene is expected to decrease by 42% for the 2050 Build Alternative relative to the 2021 Base Year, and each of the other MSAT compounds are expected to decrease as well.

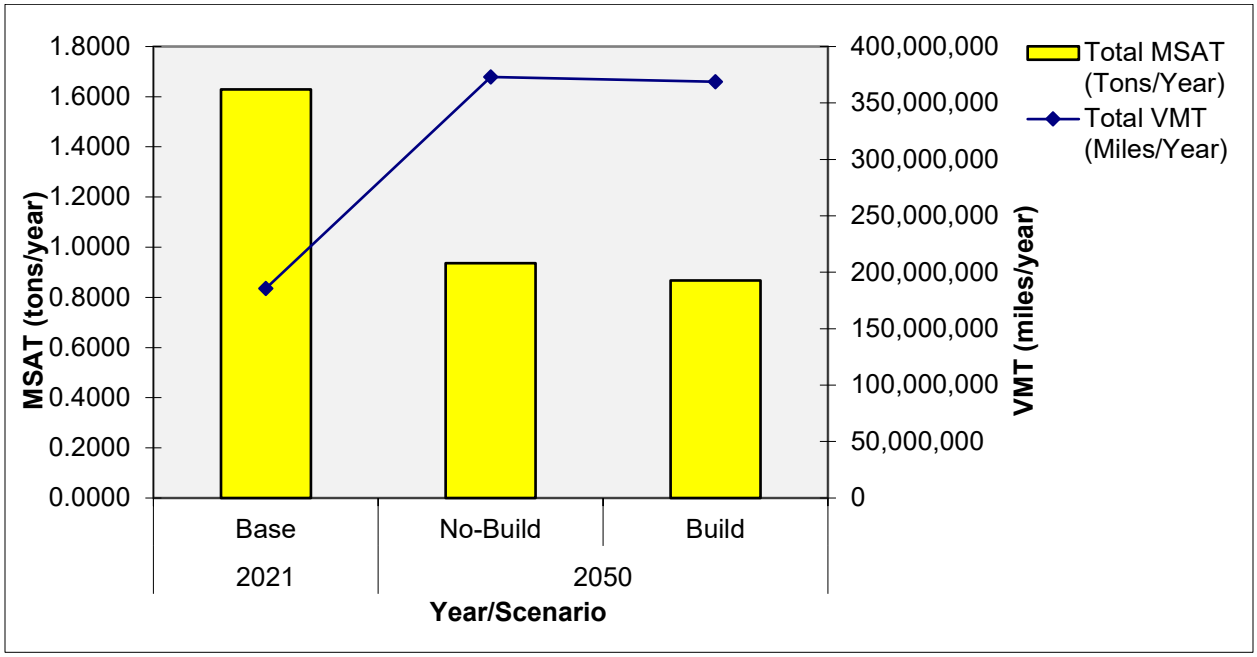
Figure 1: Projected Changes in MSAT Emissions by Project Scenario Over Time



Source: TxDOT 2022g.

When total emissions are plotted over time, the expected decrease in total MSATs can be seen (**Figure 2**) compared to an overall increase in VMT. The 2050 Build Alternative is expected to generate 47% fewer total MSAT emissions (0.76 tons/year) while the total VMT increases 99%; the 2050 No Build Alternative has a 43% decrease in total MSAT and a 101% increase in VMT.

Figure 2: Total MSAT Emissions and Vehicle Miles Traveled By Alternative (Tons/Year)



Source: TxDOT 2022g.

Both the Build and No Build Alternatives are expected to result in decreased exposure to MSAT emissions in the immediate vicinity of the project. The concentrations and duration of exposures are uncertain, however, and because of this uncertainty, the health effects from these emissions cannot be estimated. Overall, total MSAT emissions for the proposed project are expected to decrease 47% (0.76 tons/year) between the base year 2021 and the design year 2050 if the Build Alternative were implemented; a decrease of 43% (0.69 tons/year) would be expected if the No Build Alternative were implemented.

Congestion Management Process

The congestion management process (CMP) is a systematic process for managing congestion that provides information on transportation system performance and on alternative strategies for alleviating congestion and enhancing the mobility of persons and goods to levels that meet state and local needs. The project was developed from the NCTCOG's CMP, which meets all requirements of 23 CFR 450.320 and 500.109, as applicable. The CMP 2021 Update approved by the Regional Transportation Council in August 2021.

The region commits to operational improvements and travel demand reduction strategies at two levels of implementation: program level and project level. Program level commitments are inventoried in the regional CMP, which was adopted by the NCTCOG; they are included in the financially constrained MTP, and future resources are reserved for their implementation.

The CMP element of the plan carries an inventory of all project commitments (including those resulting from major investment studies) that details type of strategy, implementing responsibilities, schedules, and expected costs. At the project's programming stage, travel demand reduction strategies and commitments will be added to the regional TIP or included in the construction plans. The regional TIP provides for programming of these projects at the appropriate time with respect to the single occupancy vehicle (SOV) facility implementation and project-specific elements.

Committed congestion reduction strategies and operational improvements within the study boundary will consist of new lane additions, intersection improvements, and construction of pedestrian facilities (see **Table 5.12-3**).

Table 5.12-3: Congestion Management Process Strategies

Operational Improvements in Travel Corridor		
Project	**Project Type (MTP Project Code)**	**Implementation Date**
US 380 from US 377 to West of County Road (CR) 26 (Collin County Line)	Intersection improvements (20096)	2021*
US 380 from Teel Pkwy/Championship Drive to Denton/Collin County Line	Reconstruction, Addition of Lanes (55292)	2023
US 380 from Denton/Collin County Line to East of SH 289	Reconstruction, Addition of Lanes (55280)	2024

Table 5.12-3: Congestion Management Process Strategies		
Operational Improvements in Travel Corridor		
Project	**Project Type (MTP Project Code)**	**Implementation Date**
US 380 from West of CR 26 (Denton County Line) to East of SH 289	Addition of Lanes (20013)	2015
US 380 from East of SH 289 to CR 73 (Lovers Ln)	Addition of Lanes (54113)	2015
US 380 from CR 73 (Lovers Ln) to Coit Road (CR 72/CR 74)	Addition of Lanes (20012)	2015
US 380 from East of SH 289 to West of Lakewood Drive	Reconstruction, Addition of Lanes (55281)	2024
US 380 from CR 72 (Coit Road) to Farm-to-Market (FM) 2478 (Custer Road)	Addition of Lanes (20264)	2014
US 380 from Coit Road to JCT US 380/University Drive	Reconstruction, Addition of Lanes (13067)	2024
US 380 from East of Dallas North Tollway to West of SH 289	New Roadway (55291)	2045

Source: NCTCOG 2022, Revenue and Project Tracking System https://rapts.dfwmaps.com/ accessed August 27, 2022

* 2019–2022 TIP, FY 2021 Dallas District Projects, updated June 10, 2020, 12:06 PM

In an effort to reduce congestion and the need for SOV lanes in the region, TxDOT and NCTCOG will continue to promote appropriate congestion reduction strategies through the Congestion Mitigation and Air Quality Improvement (CMAQ) program, the CMP, and the MTP. The congestion reduction strategies considered for this project would help alleviate congestion in the SOV study boundary but would not eliminate it.

Therefore, the proposed project is justified. The CMP analysis for added SOV capacity projects in the Transportation Management Area (TMA) is on file and available for review at NCTCOG.

Construction Emissions

During the construction phase of this project, temporary increases in PM and MSAT emissions may occur from construction activities. The primary construction-related emissions of PM are fugitive dust from site preparation, and the primary construction-related emissions of MSAT are diesel PM from diesel powered construction equipment and vehicles.

The potential impacts of PM emissions will be minimized by using fugitive dust control measures contained in standard specifications, as appropriate. The Texas Emissions Reduction Plan (TERP) provides financial incentives to reduce emissions from vehicles and equipment. TxDOT encourages construction contractors to use this and other local and federal incentive programs to the fullest extent possible to minimize diesel emissions. Information about the TERP program can be found at: https://www.tceq .texas.gov/airquality/terp.

However, considering the temporary and transient nature of construction-related emissions, the use of fugitive dust control measures, the encouragement of the use of TERP, and compliance with applicable regulatory requirements; it is not anticipated that emissions from construction of this project will have any significant impact on air quality in the area.

No Build Alternative

Under the No Build Alternative, emissions related to construction would not occur, and MSAT emissions would be expected to decrease overtime, as noted above. The No Build Alternative, however, would not result in the mobility improvements and congestion reduction anticipated with the Build Alternative.

5.13 Hazardous Materials

The presence of hazardous materials within a project study area can create issues affecting ROW acquisition, project development, and construction. The Hazardous Materials Initial Site Assessment (ISA) and Project Impact Evaluation Report (TxDOT 2022h) identifies the potential hazardous materials concerns as they relate to project construction and/or right-of-way acquisition for concerns identified.

An ISA, including a visual survey of the project limits and surrounding area and research of existing and previous land use, was prepared (TxDOT 2022h) to identify sites of potential hazardous materials concerns within the project limits. Additional components of the ISA included reviewing project design and ROW requirements and reviewing federal and state regulatory databases and files. Documentation of the ISA and Project Impact Evaluation Report is available at the TxDOT Dallas District office.

The existing and previous land use of the project limits and surrounding area is a combination of undeveloped agricultural fields and commercial and residential development. As part of the ISA, a review of selected environmental regulatory databases published by federal and state agencies was conducted to determine the potential for hazardous material issues within and near the project study area. A review of the regulatory database report dated April 26, 2022, was performed in general accordance with the American Society of Testing and Materials (ASTM) Standard E1527 and TxDOT guidelines, which defines the environmental record sources to be reviewed and their minimum search distances from the proposed project.

The federal and state database searches identified 33 located sites, based on facility addresses. Based on distance, topographic gradient, historical information, database information, and/or project design information, all 33 sites are considered low environmental risks or no environmental concerns to the project. There are no unresolved hazardous materials sites within the project limits.

Possible Asbestos-Containing Materials and Lead-Based Paint

The proposed project includes the demolition and/or relocation of structures. The structures may involve asbestos containing materials or lead-based paint. Asbestos and lead-based paint inspections, specification, notification, license, accreditation, abatement and disposal, as applicable, would comply

with federal and state regulations. Asbestos and lead-based paint issues would be addressed during the ROW process and prior to construction.

Active Pipelines

Seven natural gas pipelines, including three that are abandoned have been identified as crossing the proposed project. Additionally, a natural gas transfer station is located within the proposed project ROW. Any excavations at these pipelines or transfer station could cause a rupture. Formal utilities location and advance planning would be required to facilitate pipeline and utilities adjustments and to otherwise avoid associated impacts.

Storm Water Drainage Structures in Contamination

The proposed project requires the installation of storm sewers, however, all of the adjacent properties evaluated in the ISA and Project Impact Evaluation Report are considered low environmental risks or no environmental concerns to the project. Therefore, excavation for storm sewer installation would not likely encounter contaminated soil or groundwater.

Well Plugging (Water Quality)

Proper plugging of wells, if encountered, would be addressed during the right-of-way negotiation and acquisition process. If not plugged prior to construction, wells encountered during construction would be addressed per TxDOT Standard Specification Item 103 Disposal of Wells.

Should unanticipated hazardous materials/substances be encountered during construction, TxDOT and/or the contractor would be notified and steps would be taken to protect personnel and the environment. Any unanticipated hazardous materials encountered during construction would be handled according to applicable federal, state, and local regulations per TxDOT Standard Specifications. The contractor would take appropriate measures to prevent, minimize, and control the spill of hazardous materials in construction staging areas. All construction materials used for the proposed project would be removed as soon as the work schedules permit. The contractor would initiate early regulatory agency coordination during project development.

No Build Alternative

Under the No Build Alternative, the potential for impacts related to construction of the proposed improvements would not exist. Facilities listed in the ISA would continue to operate, and, presumably, additional records associated with contamination would be generated over time. These issues would be addressed by the appropriate regulatory agency or program.

5.14 Traffic Noise

A traffic noise analysis was conducted for the proposed project in accordance with TxDOT's (FHWA-approved) *2019 Traffic Noise Policy*. The Traffic Noise Analysis Report (TxDOT 2022i), which includes details about the analysis, is available for public review at the TxDOT Dallas District office.

Build Alternative

Existing and predicted traffic noise levels were modeled at representative land use activity areas (receptors) adjacent to the project that might be impacted by traffic noise and would potentially benefit from feasible and reasonable noise abatement.

Modeled noise-sensitive locations were primarily residential, but also included medical facilities, restaurants, and a day-care center playground (see **Appendix F**). The traffic noise analysis determined that out of ten representative receptors, five were predicted to have noise levels that approach, equal, or exceed the FHWA noise abatement criteria or that substantially exceed the existing noise levels; therefore, the proposed project would result in traffic noise impacts.

Table 5.14-1: Traffic Noise Levels dB(A) Leq

Representative Receiver(s)	NAC Category	NAC Level	Existing (2030)	Predicted (2050)	Change (+/-)	Noise Impact (Yes/No)
R-01 – Medical Facility	D	52	41	41	0	No
R-02 – Medical Facility	D	52	36	41	+5	No
R-03 – Restaurant (outdoor seating)	E	72	69	69	0	No
R-04 – Residence	B	67	62	69	+7	**Yes**
R-05 – Residence	B	67	58	62	+4	No
R-06 – Restaurant (outdoor seating)	E	72	71	72	+1	**Yes**
R-07 – Playground at Day Care Center	C	67	60	62	+2	No
R-08 – Residence	B	67	70	70	0	**Yes**
R-09 – Residence	B	67	66	67	+1	**Yes**
R-10 – Residence	B	67	66	67	+1	**Yes**
Abbreviations: NAC – noise abatement criteria; dB(A) – A-weighted decibel; Leq – average/equivalent sound level						

Source: TxDOT 2022i.

Noise abatement measures were considered and analyzed for each impacted receptor location. Abatement measures, typically noise barriers, must provide a minimum noise reduction, or benefit, at or above the threshold of 5 dB(A). A barrier is not acoustically feasible unless it reduces noise levels by at least 5 dB(A) at greater than 50% of first-row impacted receptors and benefits a minimum of two impacted receptors. To be reasonable, the barrier must not exceed the cost reasonableness allowance of 1,500 square feet per benefited receptor and must meet the noise reduction design goal of 7 dB(A) for at least one receptor.

Noise barriers were evaluated for each of the impacted receptor locations with the following results:

R-4 – This receiver represents five impacted residences in the future Dove Creek neighborhood south of US 380 west of Glade Hill Drive. A continuous noise barrier was modeled along the ROW totaling 1,200 feet at a height of 20 feet. This barrier would achieve the minimum feasible reduction of 5 dB(A) for two out of three impacted, first-row receptors but would not reduce noise levels by at least 7 dB(A) for at least one benefitted receptor. Therefore, this noise barrier is not reasonable and feasible and is not proposed for incorporation into the proposed project.

R-6 – This receiver represents a restaurant with an outdoor seating area. The impacted area is isolated, and therefore only one receptor is considered impacted. Because a noise abatement measure must potentially benefit a minimum of two impacted receptors, noise abatement for this location is not feasible.

R-8 through **R-10** – This receiver represents 17 impacted residences in the Prestwyck neighborhood on the south side of US 380 west of Lakewood Drive. A 7-foot-high brick wall exists along the length of the subdivision, and this was factored into the noise model in this location. A continuous noise barrier was modeled along the ROW totaling 1,615 feet at a height of 20 feet. This barrier would achieve the minimum feasible reduction of 5 dB(A) for 12 out of 14 impacted, first-row receptors and would reduce noise levels by at least 7 dB(A) for four benefitted receptors. However, the square footage of abatement (32,300 square feet, or 1,615 square feet per benefited receptor) would exceed the cost-reasonableness criterion of 1,500 square feet per benefited receptor. Therefore, this noise barrier is not reasonable and feasible and is not proposed for incorporation into the proposed project.

Noise barriers were not reasonable and feasible for the impacted representative receivers, and abatement is not proposed for the project. Additional details regarding the barrier analysis can be found in the *Traffic Noise Analysis Report* (2022).

To avoid noise impacts that may result from future development of properties adjacent to the project, local officials responsible for land use control programs must ensure, to the maximum extent possible, no new activities are planned or constructed along or within the following predicted (2050) noise impact contours (see **Table 5.14-2**).

Table 5.14-2: Year 2050 Predicted Noise Impact Contours

Undeveloped Area	Land Use Category (NAC)	Impact Contour	Distance From ROW (feet)
Along westbound (WB) US 380, West of Legacy Dr.	B and C	66 dB(A)	250
	E	71 dB(A)	80
Along eastbound (EB) US 380, East of Mahard Pkwy.	B and C	66 dB(A)	305
	E	71 dB(A)	65
Along WB US 380, West of Preston Rd.	B and C	66 dB(A)	350
	E	71 dB(A)	60
Along EB US 380, East of Coit Rd.	B and C	66 dB(A)	270
	E	71 dB(A)	40
Along northbound (NB) Dallas Pkwy, North of PGA Pkwy.	B and C	66 dB(A)	320
	E	71 dB(A)	50
Along southbound (SB) Dallas Pkwy, North of US 380	B and C	66 dB(A)	100
	E	71 dB(A)	Within the ROW

Source: TxDOT 2022i.

A copy of this traffic noise analysis will be available to local officials to assist in future land use planning. On the date of approval of the document (Date of Public Knowledge), FHWA and TxDOT are no longer responsible for providing noise abatement for new development adjacent to the project.

No Build Alternative

Under the No Build Alternative, the proposed project would not be constructed. If the No Build Alternative were implemented, traffic noise levels would be expected to increase with an associated future increase in traffic volumes.

5.15 Induced Growth

The proposed project is intended to improve mobility and safety and manage congestion along the US 380 corridor by adding capacity and converting the existing US 380 to a controlled-access freeway. These changes would be expected to make it more convenient for travelers to move through the area, particularly due to the addition of mainlanes, direct connectors, intersection improvements, and bicycle and pedestrian accommodations. Rapid growth within the communities of Prosper, Frisco, and McKinney is expected to continue in the future, regardless of whether the proposed project is constructed. The proposed improvements are considered an important component of reducing congestion and improving mobility throughout the US 380 corridor and would potentially encourage development to occur at a more rapid rate in the 2045 timeframe within areas near the roadway and along major intersections. However, the project is not expected to change the trajectory of the strong development trends that have occurred over the last two decades and are expected to continue in the future within the Area of Influence (AOI) and regionwide. Moreover, the development anticipated to occur within the AOI is consistent with the land use plans at the city, county, and regional levels. The anticipated growth that would potentially be accelerated by the proposed project would not result in substantial effects to ecological or socioeconomic resources. In consideration of these factors, the induced growth effects of the proposed project are not expected to be substantial (TxDOT 2022j).

No Build Alternative

Under the No Build Alternative, indirect impacts related to encroachment-alteration effects and induced growth and related effects would not occur.

5.16 Cumulative Impacts

A Cumulative Impacts Analysis (TxDOT 2022k) was prepared for the proposed project which focuses on resources anticipated to be substantially impacted by the proposed project (either directly or indirectly), as well as resources that would be affected to any degree by the proposed project and are considered at risk or in poor or declining health. In order to thoroughly assess the potential cumulative impacts to a resource, minor direct or indirect impacts to a resource considered at risk or in poor or declining health should be considered along with past, present, and reasonably foreseeable future actions to determine if such actions, when considered together, would pose a threat to the sustainability or health of that resource.

Archeological resources, historic resources, and socioeconomic resources are considered to be in good health in the context of the proposed project; therefore, these resources were not carried forward for detailed evaluation in the Cumulative Impacts Analysis (TxDOT 2022k). The health of biological resources

within the project area is considered to be at risk due to potential effects to wildlife habitat, which may, in turn, impact sensitive and protected species.

Biological resources related to sensitive species and their habitats, as well as water resources, were considered in further detail to determine if the proposed project, in conjunction with other past, present, and reasonably foreseeable future actions, would pose a risk to the sustainability or health of these resources. The proposed project would not result in cumulative effects to sensitive species and their habitats or water resources. The contribution of the proposed project to cumulative effects to these resources would be minor, and cumulative effects to these resources would not adversely affect the overall sustainability or long-term health of sensitive species and their habitats or water resources.

No Build Alternative

Implementation of the No Build Alternative would not result in cumulative impacts.

5.17 Construction Phase Impacts

This section discusses the temporary effects associated with the construction of the proposed Build Alternative. Since the No Build Alternative would not involve any project-related construction, discussions here are focused on the Build Alternative. Typically, construction effects of a disruptive nature are dependent on the type and location of proposed construction activities and the duration of the construction process from initiation to completion.

Construction activities necessary for the implementation of the Build Alternative would temporarily affect existing transportation facilities within the project area, as described below. To allow vehicles to continue utilizing US 380 during construction, the proposed project would likewise be constructed while traffic continued to use the existing facilities. In this way, traffic disruptions and other user impacts would be minimized.

The Build Alternative would similarly and temporarily affect ground transportation during the construction phase. Temporary effects would include traffic delays and work-zone congestion that could disrupt travel patterns for local residents and businesses for the duration of construction. Mitigation measures, such as maintenance of traffic plans, would be implemented to address user impacts including work-zone safety and traffic delays. Access for police, fire, and emergency vehicles would be maintained during construction; details would be developed in a maintenance of traffic plan to be implemented for the proposed project.

Short-term impacts during the construction phase of the proposed project would potentially occur due to increased economic activity in the area during the period of construction. Overall, impacts to the local economy during the construction phase of the proposed project would be expected to be beneficial and would not result in substantial, long-term changes to the local or regional economies (TxDOT 2022j).

Temporary impacts to natural resources due to construction could result from the implementation of the proposed Build Alternative and include disturbances, including hydrologic disturbances, to wildlife and

vegetative communities. Implementation of the Build Alternative would involve the removal of grasses, trees and shrubs during the construction phase, affecting the natural, erosion-inhibiting ground cover and resulting in the loss of habitat for both resident and migratory species. Disturbed areas would be restored, reseeded, and recontoured as necessary according to TxDOT specifications, making these effects largely temporary.

Noise associated with the construction of the proposed project is difficult to predict. Heavy machinery, the major source of noise in construction, is constantly moving in unpredictable patterns. However, construction normally occurs during daylight hours when occasional loud noises are more tolerable. None of the receivers are expected to be exposed to construction noise for a long duration; therefore, any extended disruption of normal activities is not expected. Provisions would be included in the plans and specifications that require the contractor to make every reasonable effort to minimize construction noise through abatement measures such as work-hour controls and proper maintenance of muffler systems.

During the construction phase of this project, temporary increases in particulate matter (PM) and MSAT emissions may occur from construction activities. The primary construction-related emissions of PM are fugitive dust from site preparation, and the primary construction-related emissions of MSAT are diesel particulate matter from diesel powered construction equipment and vehicles. The potential impacts of PM emissions will be minimized by using fugitive dust control measures contained in standard specifications, as appropriate. Considering the temporary and transient nature of construction-related emissions, as well as the mitigation actions to be utilized including compliance with applicable regulatory requirements, it is not anticipated that emissions from construction of this project will have a significant impact on air quality in the area.

5.18 Greenhouse Gas Emissions and Climate Change

The Texas Department of Transportation has prepared a Statewide On-Road Greenhouse Gas Analysis and Climate Change Assessment technical report (TxDOT 2021). The report discloses: 1) an analysis of available data regarding statewide greenhouse gas (GHG) emissions for on-road GHG emissions, 2) TxDOT actions and funding that support reducing GHG emissions, 3) projected climate change effects for the state of Texas, and 4) TxDOT's current strategies and plans for addressing the changing climate. A summary of key issues in this technical report is provided below. Please refer to the technical report for more details.

The Earth has gone through many natural changes in climate over time. However, since the industrial revolution began in the 1700s, atmospheric concentration of GHG emissions have continued to climb, primarily due to humans burning fossil fuel (e.g., coal, natural gas, gasoline, oil and/or diesel) to generate electricity, heat and cool buildings, and power industrial processes, vehicles, and equipment. According to the Intergovernmental Panel on Climate Change (IPCC), this increase in GHG emissions is projected to contribute to future changes in climate (Solomon 2007, Stocker 2013).

5.18.1 Statewide On-road Greenhouse Gas

TxDOT prepared a GHG analysis for the statewide on-road transportation system and associated emissions generated by motor vehicle fuels processing called "fuel-cycle emissions." EPA's Motor Vehicle Emissions

Simulator (MOVES2014 version) emissions model was used to estimate emissions. Texas on-road and fuel cycle GHG emissions are estimated to be 186 million metric tons (MMT) in 2050 and reach a minimum in 2032 at 161 MMT. Future on-road GHG emissions may be affected by changes that may alter where people live and work and how they use the transportation system, including but not limited to: 1) the results of federal policy including tailpipe and fuel controls, 2) market forces and economics, 3) individual choice decisions, 4) acts of nature (e.g., pandemic) or societal changes, and 5) other technological advancements. Such changes cannot be accurately predicted due to the inherent uncertainty in future projections related to demographics, social change, technology, and inability to accurately forecast where people work and live (Transportation Research Board 2007).

5.18.2 Mitigation Measures

Strategies that reduce on-road GHG emissions fall under four major categories:

- Federal engine and fuel controls under the Clean Air Act implemented jointly by EPA and U.S. Department of Transportation (USDOT), which includes Corporate Average Fuel Economy (CAFE) standards;
- ”Cash for clunker” programs which remove older, higher-emitting vehicles from roads;
- Traffic system management (TSM) which improves the operational characteristics of the transportation network (e.g., traffic light timing, pre-staged wrecker service to clear accidents faster, or traveler information systems); and
- Travel demand management (TDM) which provides reductions in VMT (e.g., transit, rideshare, and bicycle and pedestrian facilities) and requires personal choice decisions.

TxDOT has implemented programmatic strategies that reduce GHG emissions including: 1) travel demand management projects and funding to reduce VMT, such as bicycle and pedestrian facilities, 2) traffic system management projects and funding to improve the operation of the transportation system, 3) participation in the national alternative fuels corridor program, 4) clean construction activities, 5) clean fleet activities, 6) CMAQ funding, 7) transit funding, and 8) two statewide campaigns to reduce tailpipe emissions.

5.18.3 TxDOT and a Changing Climate

TxDOT has strategies that address a changing climate in accordance with TxDOT and FHWA design, asset management, maintenance, emergency response, and operational policies and guidance. The flexibility and elasticity in TxDOT transportation planning, design, emergency response, maintenance, asset management, and operation and maintenance of the transportation system are intended to consider any number of changing scenarios over time. Additional detail is in the statewide technical report.

6.0 Agency Coordination

Texas Historical Commission

Coordination with the THC regarding impacts to cultural resources has been completed, and the results of the coordination are included in **Appendix G**.

Texas Parks and Wildlife Department

In accordance with the MOU between TxDOT and TPWD, TPWD has provided a set of recommended BMPs in a document titled "Beneficial Management Practices – Avoiding, Minimizing, and Mitigating Impacts of Transportation Projects on State Natural Resources," which is available on TxDOT's Natural Resources Toolkit at https://www.txdot.gov/insidetxdot/division/environmental/compliance-toolkits/natural-resources.html. The MOU provides that application of specific BMPs to individual projects will be determined by TxDOT at its discretion. The TPWD-recommended BMPs that will be applied to this project are indicated in the Form – Documentation of Texas Parks and Wildlife Department Best Management Practices prepared for the project, which is included in **Appendix G**.

Coordination between TxDOT and TPWD was initiated on September 27, 2022. In accordance with the TxDOT-TPWD MOU, **Appendix G** includes written coordination correspondence between TxDOT and TPWD.

Texas Commission on Environmental Quality

Coordination with the TCEQ regarding impacts to air quality will be initiated.

7.0 Public Involvement

Public involvement for the proposed project to date has consisted of an open house public meeting held on May 10, 2022, at Rock Hill High School. This meeting also took place virtually and the virtual public meeting was available from May 10, 2022, until May 25, 2022. Advertisement for the public meeting included mailed notices to adjacent property owners and elected officials, and publications were made 15 days prior to the meeting both in print and online. Publications included the *Dallas Morning News* (print), *Al Dia* (print), *Prosper Press* (print), *Frisco Enterprise* (print), *McKinney Courier-Gazette* (print), TxDOT online schedule (https://www.txdot.gov/projects/hearings-meetings/dallas/us-380-teel-parkway-championship-drive-lakewood.html), and Keep It Moving Dallas (https://www.keepitmovingdallas.com/projects/us-highways/us-380-from-teel-parkwaychampionship-drive-to-west-of-lakewood-drive- prosperfri).

The project schematics and environmental documents were available to view at the public meeting. A total of 37 people attended the in-person meeting; 106 people viewed the online presentation; the website received 406 views; and 35 comments were received during the comment period. Concerns documented during the comment period primarily centered around access on and off US 380, displacement of businesses and residential areas, safety, and ROW acquisition. Of the 35 comments received, 21 commenters provided positive feedback for the proposed project. However, many of these

commenters also provided requests or suggestions for the roadway. TxDOT evaluated the feedback received from the public meeting and assured that the project design addressed these concerns to the greatest extent practicable. For commenters concerned about displacement of businesses and residential areas, TxDOT assured them that no commercial or residential displacements would occur as a result of the proposed project. For commenters concerned about ROW acquisition, TxDOT assured them that the proposed alignment was designed in such a way as to encompass the proposed project while taking environmental factors, future needs, and property acquisition into account. Additionally, TxDOT ensured those commenters that property owners would be fairly compensated for any land that would be required for the proposed ROW.

A summary of the meeting was prepared and is available online on the project website at https://www.keepitmovingdallas.com/projects/us-highways/us-380-from-teel-parkwaychampionship-drive-to-west-of-lakewood-drive-prosperfri. The Public Meeting Documentation is also available at the TxDOT Dallas District Office.

A notice of impending construction would be provided to owners of adjoining property and affected local governments and public officials. The notice may be provided via a sign or signs posted in the ROW, mailed notice, printed notice distributed by hand, or notice via website when the recipient has previously been informed of the relevant website address. This notice would be provided after the environmental decision (i.e., FONSI), but before earthmoving or other activities requiring the use of heavy equipment begin.

8.0 Post-Environmental Clearance Activities and Design/Construction Commitments

8.1 Post-Environmental Clearance Activities

This section lists unresolved environmental activities that could not be done prior to issuance of a FONSI, for which the project sponsor will be responsible.

1. Due to limited access to private property during filed investigations, it is recommended that 47 acres of proposed ROW, located on 20 parcels, still warrant archeological survey prior to construction.
2. Asbestos and lead-based paint inspections, specification, notification, license, accreditation, abatement and disposal would be addressed during the ROW process for building structures. Existing bridges and bridge-class culverts within the project limits and footprint have been tested for asbestos and lead-based paint, and no asbestos materials or lead-based paint was found. Copies of the reports can be obtained from the TxDOT Dallas District office.
3. Formal utilities location and advance planning would be required to facilitate pipeline and utilities adjustments and to otherwise avoid associated impacts prior to construction.
4. Proper plugging of the wells would be addressed during the ROW negotiation and acquisition process and prior to construction. If not plugged prior to construction, the wells would be addressed per TxDOT Standard Specification Item 103 Disposal of Wells during construction.
5. Coordination with the local Floodplain Administrators would be required prior to construction.

8.2 Design/Construction Commitments

This section lists project-specific avoidance measures or special instructions that will be conveyed to the design or construction contractor as a result of the department's environmental review of the project.

1. In the unlikely event that significant cultural resources are discovered during construction of the proposed project, TxDOT would immediately initiate cultural resource discovery procedures. All work in the vicinity would cease until a specialist from TxDOT and/or the THC could arrive on site and assess the discovery's significance and the potential need for additional investigation, if necessary.
2. Formal utilities location and advance planning would be required to facilitate pipeline and utilities adjustments and to otherwise avoid associated impacts.
3. Should unanticipated hazardous materials/substances be encountered during construction, TxDOT and/or the contractor would be notified and steps would be taken to protect personnel and the environment. Any unanticipated hazardous materials encountered during construction would be handled according to applicable federal, state, and local regulations per TxDOT Standard Specifications. The contractor would take appropriate measures to prevent, minimize, and control the spill of hazardous materials in construction staging areas. All construction materials used for the proposed project would be removed as soon as the work schedules permit. The contractor would initiate early regulatory agency coordination during project development.
4. The potential impacts of PM emissions would be minimized by using fugitive dust control measures contained in standard specifications, as appropriate. The TERP provides financial incentives to reduce emissions from vehicles and equipment. TxDOT encourages construction contractors to use this and other local and federal incentive programs to the fullest extent possible to minimize diesel emissions. Information about the TERP program can be found at: https://www.tceq.texas.gov/airquality/terp.
5. Implement BMPs to avoid or minimize impacts to migratory birds, freshwater mussels, and aquatic and terrestrial amphibian and reptiles.
6. Implement water quality BMPs including: approved temporary vegetation; blankets/matting or mulch filter berms; vegetated filter strips; and silt fence, sand bags and/or compost filter berms and socks.
7. Implement vegetation BMPs, stream crossing BMPs, and general design and construction BMPs.

As indicated above in **Section 6.0**, the TPWD-recommended BMPs that will be applied to this project are indicated in the Form – Documentation of Texas Parks and Wildlife Department Best Management Practices prepared for the project, which is included in **Appendix G**.

9.0 Conclusion

Implementation of the proposed project would not result in significant impacts to the human or natural environment. Therefore, a Finding of No Significant Impact is recommended.

10.0 References

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———. 2022e. Species analysis Form and Spreadsheet.

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———. 2022k. Cumulative Effects Technical Report.

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11.0 Names and Qualifications of Persons Preparing the EA or Conducting an Independent Evaluation of the EA

TxDOT Dallas District

Christine Polito, Environmental Program Manager, District Environmental Lead – 18 years
Adam Fouts, Environmental Specialist, District Water Resources Specialist – 11 years
Deborah Nixon, Environmental Specialist, District Hazardous Materials Specialist – 20 years
Leslie Mirise, Environmental Specialist, District Biologist – 21 years
Seung Yoo, P.E. Transportation Engineer, Project Manager – 9 years
Manuel Trevino, Environmental Specialist, District Traffic Noise Specialist – 16 years

TxDOT Environmental Affairs Division

Doug Booher, Director of Environmental Affairs – 25 years
Patrick Lee, Environmental Program Manager – 13 years
Adrienne Boer, Project Delivery Management Section Director – 28 years
Michelle Lueck, Project Delivery Manager – 22 years
Ray Umscheid, Traffic Noise Specialist – 15 years
Susan M. Shuffield, Environmental Specialist, Water Team Lead – 24 years
Rebekah Dobrasko, Environmental Program Manager – 18 years
Scott Pletka, Archeology Program Manager – 19 years
Nicolle Kord, Community Impacts Specialist – 10 years
Spencer Ward, Community Impacts Specialist – 3 years
Tim Wood, Air Quality Specialist – 10 years
Glendora Lopez, Air Quality Specialist – 1 year
Doug Mack, Environmental Program Manager – 24 years
Stirling Robertson, Ph.D., Environmental Specialists, Biology Team Lead – 28 years

Jacobs Engineering Group

Teresa Barlow, Environmental Planning Manager – 17 years
Jesus Gonzalez, P.E. Engineering Project Manager – 15 years
Sina Iman, P.E. Roadway Engineer – 15 years
Vinod Eadavalli, P.E., Traffic Engineer – 16 years

Hicks & Company, Environmental/Archeological Consultants

Jason Buntz, NEPA Task Lead – 24 years
Julie LeClair, Senior Ecologist – 13 years
Madison Torres, Ecologist – 6 years
Jerod McCleland, Traffic Noise Specialist – 15 years
Bob Huch, P.G., Air Quality Specialist – 35 years

Natasia Moore, Environmental Planner – 6 years
Patricia Frost, P.G., Hazardous Materials Specialist – 35 years
Danielle Julien, Archeologist – 5 years
Angela Gaudette, Architectural Historian – 7 years
Paul Starkel, Geographic Information Systems Specialist – 7 years

APPENDIX A

PROJECT LOCATION MAP

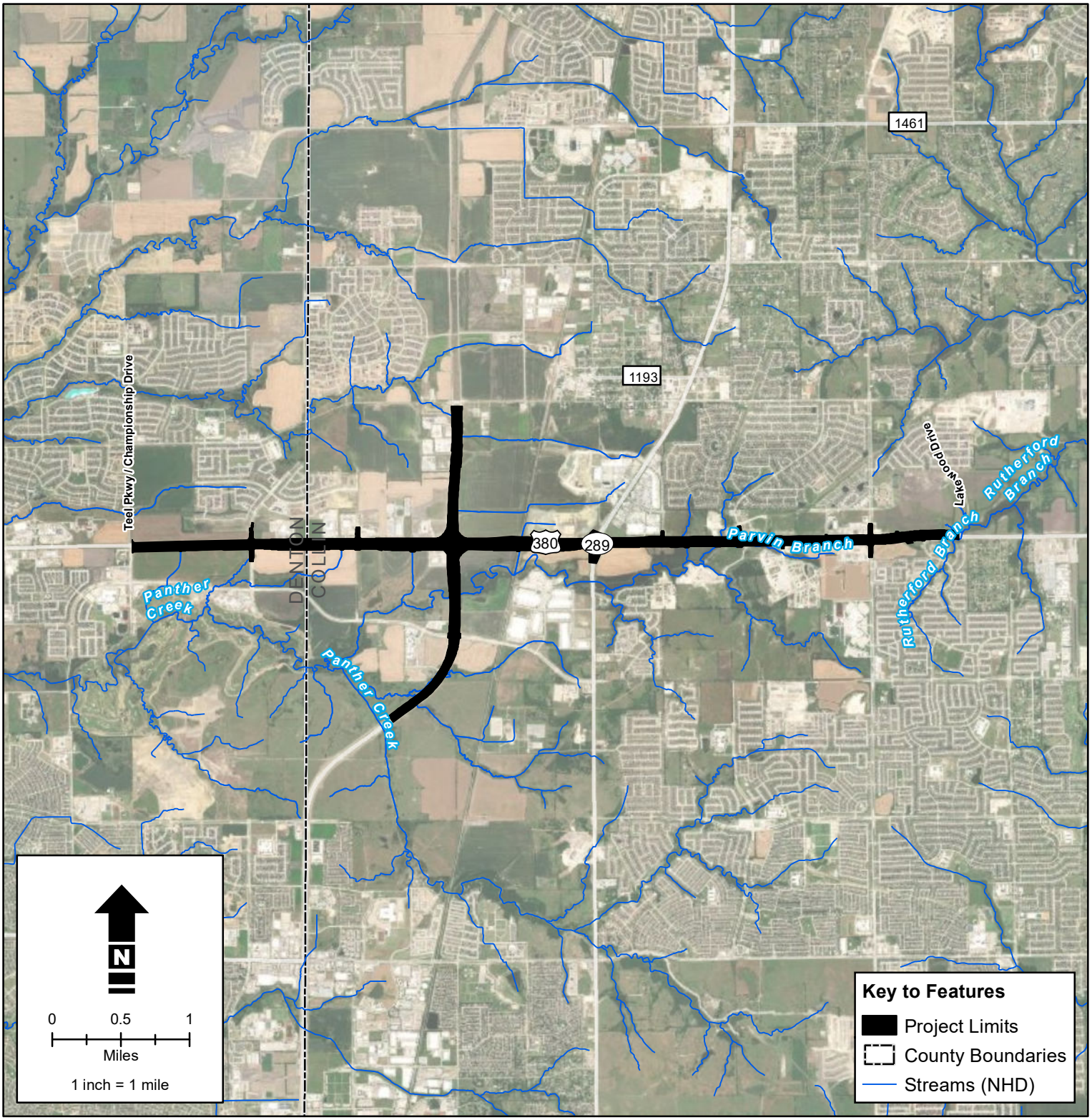
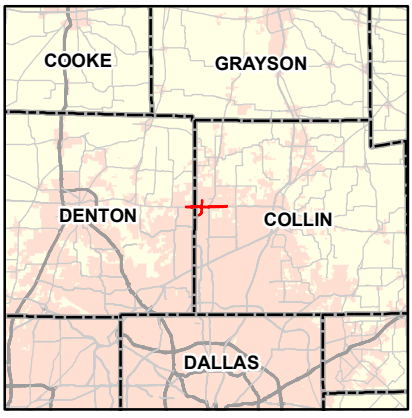


Figure 1

Project Location

US 380 from Teel Pkwy/Championship Drive to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068

NHD Source: USGS, 2019
Aerial Source: Maxar, 2021-03-02



APPENDIX B

PROJECT PHOTOS

Photo 1: View along US 380 from the eastern project terminus at Lakewood Drive: facing west (5/16/22).

Photo 2: View along US 380 from approximately 2,200 feet west of Teel Pkwy., the western terminus; facing east (5/16/22).

Photo 3: View along east side of Dallas North Tollway from Fields Pkwy., the south end of the project area and right-of-way; facing north-northeast (5/16/22).

Photo 4: View along southbound side of S. Dallas Pkwy., from the north end of the project area just south of Star Trace Pkwy. and right-of-way; facing south-southeast (5/16/22).

Photo 5 View along US 380 eastbound service road west of SH 289/Preston Road; facing east (5/3/22).

Photo 6 View of US 380 eastbound mainlane and service road on the east side of the BNSF railroad; facing east (5/3/22).

Photo 7 View across US 380 at access road to La Cima sand and gravel business; facing south-southwest (5/16/22).

Photo 8 View of Parvin Branch downstream of US 380, facing northeast (5/2/22).

Photo 9 View of the on-channel open water/palustrine emergent wetland (OW/PEM-1) of Parvin Branch-1, facing northeast (5/2/22).

Photo 10 View of Rutherford Branch under normal flow conditions, facing southeast (6/6/22).

Photo 11 View of intermittent stream (IS-8) east of Dallas North Tollway (DNT), facing southwest (5/2/22).

Photo 12 View of medical facility building from the north boundary of the water main easement along US 380; facing west (5/16/22).

Photo 13 View along US 380 of Cook Children's Pediatric Surgery Center and Urgent Care Center, taken facing west (5/16/22).

Photo 14 View along US 380 at Legacy Drive, looking east (5/3/22).

APPENDIX C

SCHEMATICS

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUR, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND DENTON COUNTY, TEXAS

STA 010+00 TO STA 1010+00
CSJ 0135-13-103, ETC, FEDERAL PROJECT ACNHP 0380(838)ES

DATE: SEPTEMBER 2022
ROLL 'N' FOLD

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN PRINCIPAL ARTERIAL
US 380 MAIN TRAVELWAY	70 MPH	URBAN PRINCIPAL ARTERIAL
US 380 FRONTAGE ROADS	40 MPH	COLLECTOR STREET
MUNICIPAL ROADS	40 MPH	COLLECTOR STREET
FRONTAGE ROADS	40 MPH	URBAN PRINCIPAL ARTERIAL
RAMPS	40 MPH	URBAN PRINCIPAL ARTERIAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL ARTERIAL
U-TURNS	40 MPH	URBAN MINOR

INDEX OF SHEETS

SCL 1 - PLAN & PROFILE VIEW OF BB BOYER PKWY TO FM 2478 RD
SCL 2 - PLAN & PROFILE VIEW OF BB FM 2478 RD TO CR 2164 RD
SCL 3 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 4 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 5 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 6 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 7 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 8 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 9 - PLAN & PROFILE VIEW OF BB CR 2164 RD TO CR 2164 RD
SCL 10 - PROFILE VIEW OF BB CR 2164 RD TO FM 2478 RD
SCL 11 - PROFILE VIEW OF BB CR 2164 RD TO FM 2478 RD
SCL 12 - PROFILE VIEW OF BB CR 2164 RD TO FM 2478 RD
SCL

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NURI, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND GRAYSON COUNTY, TEXAS

CSJs 0134-13-045, 0092, FEDERAL ENHANCEMENT (E) TO UNDERCUT US 380 FROM CR 166 TO CR 1000 AND CONSTRUCT FRONTAGE ROADS FROM CR 166 TO CR 1000 AND CR 1000 TO FM 1827
FEDERAL PROJECT NUMBER: STP 380(AAA)E

DATE: SEPTEMBER 2022
ROLL PLOT

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN PRINCIPAL ARTERIAL
US 380 MAIN LANES TO/FROM	70 MPH	URBAN PRINCIPAL ARTERIAL
US 380 FRONTAGE ROADS	40 MPH	URBAN COLLECTOR STREET
MANNING ROAD	40 MPH	URBAN COLLECTOR STREET
FRONTIER ROAD	40 MPH	URBAN COLLECTOR STREET
PRAIRIE ROAD	40 MPH	URBAN COLLECTOR STREET
DIRECT CONNECTORS	40 MPH	URBAN FREEWAY
C-D ROAD	40 MPH	URBAN FREEWAY

INDEX OF SHEETS

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PREPARED BY: JACOBS ENGINEERING GROUP, INC.
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DALLAS, TEXAS 75201
PHONE: 214.638.0145
FAX: 214.638.0447
TBPE FIRM REGISTRATION NO. F-2487

LEGEND

- EXISTING ROADWAY TO REMAIN
- EXISTING ROADWAY TO REMOVE
- PROPOSED BRIDGE
- PROPOSED CURB
- PROPOSED RAMP
- PROPOSED FRONTAGE ROAD
- DITCH
- DIRECT CONNECTOR
- PROPOSED EXTENSION
- EXISTING CURB
- PROPOSED CROSS STREET
- PROPOSED CROSS STREET
- PROPOSED SUPERELEVATION
- EXISTING TOP OF EMBANKMENT
- EXISTING TOP OF EMBANKMENT
- EXISTING CURB
- EXISTING RAMP
- EXISTING RR
- EXISTING BRIDGE DECK
- EXISTING BRIDGE
- EXISTING TRANSIT LANES
- EXISTING TURN BAYS
- EXISTING BRIDGE RAILING
- EXISTING BRIDGE SUMMARY
- EXISTING BRIDGE
- EXISTING CENTER MEDIAN
- EXISTING TOP OF SLOPE
- EXISTING BRIDGE SUMMARY
- PROPOSED BRIDGE
- PROPOSED BRIDGE SUMMARY
- PROPOSED BRIDGE RAILING
- PROPOSED CENTER MEDIAN
- PROPOSED TOP OF SLOP

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUR, P.E., DISTRICT ENGINEER

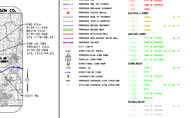
US 380
DESIGN SCHEMATIC

COLLIN AND DENTON COUNTY, TEXAS

STA 010+00.00, FED. PROJ.=(ADMINISTRATOR OF FE UNDERTAKES ON COUNTY LINE FM 2478 (CUSTER RD) TO 0.5 MILES EAST OF FM 1827 (PRESTON RD)
CSJ: 0918-24-XXX

DATE: SEPTEMBER 2022
ROLL PLOT

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
EB MAIN	60 MPH	URBAN FREEWAY
EB ACCEL/DECEL TO MAIN	60 MPH	URBAN FREEWAY
EB ACCEL/DECEL TO FR	45 MPH	URBAN FREEWAY
MANNING RAMP	45 MPH	COLLECTOR STREET
FRONTAGE ROAD	40 MPH	COLLECTOR STREET
FRONTAGE RAMPS	40 MPH	COLLECTOR STREET
WB MAIN	60 MPH	URBAN FREEWAY
DIRECT CONNECTORS	45 MPH	URBAN FREEWAY
X STREET	40 MPH	URBAN ARTERIAL



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SCL 1 PLAN & PROFILE VIEW OF EB MAIN & FRONTAGE ROAD
SCL 2 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 3 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 4 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 5 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 6 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 7 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 8 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 9 PLAN & PROFILE VIEW OF EB MAIN & EXIT RAMP TO X STREET
SCL 10 PROFILE VIEW OF EB MAIN & FRONTAGE ROAD
SCL 11 PROFILE VIEW OF EB MAIN & FRONTAGE ROAD
SCL 12 PROFILE VIEW OF EB MAIN & FRONTAGE ROAD
SCL 13 PROFILE VIEW OF EB MAIN & FRONTAGE ROAD
SCL

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUH, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND HUNTSON COUNTY, TEXAS

STA 1104+00 TO STA 1151+00 AND FROM CONVERGENCE OF CENTER LINE TO CONVERGENCE OF CENTER LINE FOR FRONTAGE ROADS
FM 2478 OVERPASS AND FRONTAGE ROADS
LIMITS OF WORK

DATE: SEPTEMBER 2022
ROLL SHEET
SHEET 1 OF 25

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN PRINCIPAL
US 380 MAIN TO/FROM	70 MPH	URBAN PRINCIPAL
US 380 FRONTAGE RD	40 MPH	COLLECTOR STREET
KENNEDY ROAD	40 MPH	COLLECTOR STREET
PRESTON RIDGE	40 MPH	COLLECTOR STREET
FRONTAGE ROADS	40 MPH	URBAN PRINCIPAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL
X STREET	40 MPH	URBAN ARTERIAL

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PREPARED FOR: TEXAS DEPARTMENT OF TRANSPORTATION

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Austin, Texas 78723-1157
Phone: 512.314.3100
Fax: 512.314.3101
© Texas Department of Transportation all rights reserved

LEGEND

EXISTING RIGHT-OF-WAY	
PROPOSED RIGHT-OF-WAY	
PROPOSED BRIDGE	
PROPOSED CURB	
PROPOSED RAMP	
PROPOSED CENTERLINE ROAD	
PROPOSED MEDIAN	
DIRECT CONNECTOR	
PROPOSED EXTENSION	
PROPOSED RAMP	
PROPOSED CROSS STREET	
PROPOSED CENTERLINE RAMP	
PROPOSED TOP OF EMBANKMENT	
EXISTING TOP OF EMBANKMENT	
EXISTING TOP OF EMBANKMENT	
EXISTING CURB	
EXISTING RAMP	
EXISTING BRIDGE	
EXISTING BRIDGE RAILING	
EXISTING BRIDGE	
EXISTING BRIDGE RAILING	
PROPOSED TOP OF SLOPE	
PROPOSED TOP OF EMBANKMENT	
PROPOSED BRIDGE RAILING	
PROPOSED BRIDGE RAIL	
PROPOSED BRIDGE RAILING	
PROPOSED FILL/CUT SLOPE	
PROPOSED CULVERT	
PROPOSED RAMP	
PROPOSED RETAINING WALL	
PROPOSED RETAINING WALL	
STRUCTURE NAME	
STRUCTURE NUMBER	
EXISTING STRUCTURE	
EXISTING BRIDGE STRUCTURE	

UTILITY LEGEND

ATMOS	ATMOS ENERGY
AT&T	AT&T
CHARTER	CHARTER SPECTRUM
COMCAST	COMCAST
CROWN	CROWN CASTLE
FIBERLIGHT	FIBERLIGHT
FRONTIER	FRONTIER
LEVEL 3	LEVEL 3
LUMEN	LUMEN
MCI	MCI
METRO	METRO
NTMWD	NTMWD
ONCOR	ONCOR
TEXAS NET	TEXAS NET
TEXAS PIPELINE	TEXAS PIPELINE
TIME WARNER	TIME WARNER
UNITED	UNITED
VERIZON	VERIZON
WINDSTREAM	WINDSTREAM
XO	XO

NOTES:

1. ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS ARE BASED ON NAVD 88.
3. ALL COORDINATES ARE BASED ON NAD 83 (2011) TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), US SURVEY FEET.
4. ALL PROPOSED RIGHT-OF-WAY AND EASEMENTS SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE.
5. ALL EXISTING RIGHT-OF-WAY AND EASEMENTS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE.
6. ALL PROPOSED RIGHT-OF-WAY AND EASEMENTS SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE.
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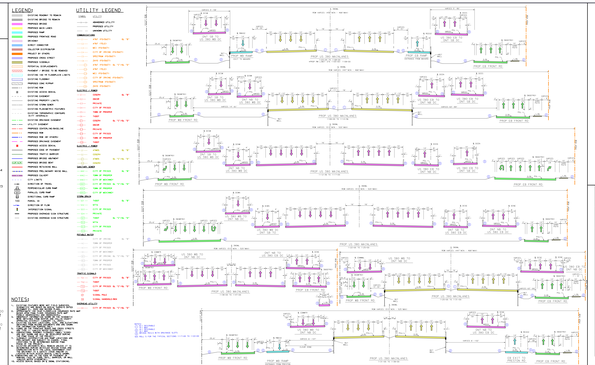
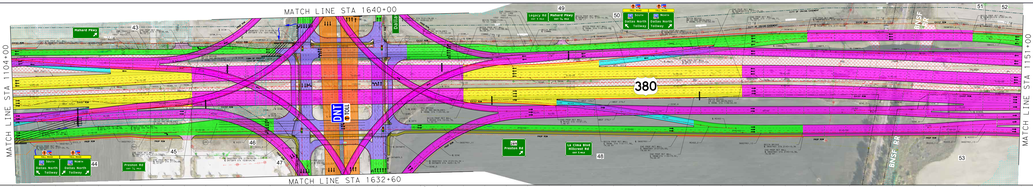



MATCH LINE STA 1640+00
MATCH LINE STA 1632+60
MATCH LINE STA 1104+00
MATCH LINE STA 1151+00
380
DNT
BNSF RR
Retain Right
Retain Left
Retain Left
Retain Right
Retain Left
Retain Right
Retain Left
Retain Right

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NURI, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND DENTON COUNTY, TEXAS

ESA 0115-04-048, FED./STATE/LOCAL PROJECT
ESA 0115-04-049, FED./STATE/LOCAL PROJECT
ESA 0115-04-050, FED./STATE/LOCAL PROJECT
ESA 0115-04-051, FED./STATE/LOCAL PROJECT
FED.RTE.NO. 0380(0)M, STATE HWY. 380
LIMITS: FM 2478 TO SH 289

DATE: SEPTEMBER 2022
ROLL PLOT
SCALE: 1" = 200'

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN PRINCIPAL ARTERIAL
US 380 FRONTAGE ROAD	40 MPH	URBAN COLLECTOR
MIDWAY ROAD	40 MPH	COLLECTOR STREET
PRESTON ROAD	40 MPH	URBAN PRINCIPAL ARTERIAL
FRONTIER PKWY	40 MPH	URBAN ARTERIAL
FM 2478	40 MPH	URBAN PRINCIPAL ARTERIAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL
K STREET	30 MPH	URBAN ARTERIAL

INDEX OF SHEETS

SHT. 1 - PLAN & PROFILE VIEW OF SB ROUTE PRESTON TO FM 2478
SHT. 2 - PLAN & PROFILE VIEW OF SB ROUTE FM 2478 TO SH 289
SHT. 3 - PLAN & PROFILE VIEW OF NB ROUTE SH 289 TO FM 2478
SHT. 4 - PLAN & PROFILE VIEW OF NB ROUTE FM 2478 TO PRESTON
SHT. 5 - PLAN & PROFILE VIEW OF EB ROUTE
SHT. 6 - PLAN & PROFILE VIEW OF WB ROUTE
SHT. 7 - PLAN & PROFILE VIEW OF EB ROUTE (FM 2478 TO PRESTON)
SHT. 8 - PLAN & PROFILE VIEW OF WB ROUTE (FM 2478 TO PRESTON)
SHT. 9 - PLAN & PROFILE VIEW OF EB ROUTE (SH 289 TO FM 2478)
SHT. 10 - PLAN & PROFILE VIEW OF WB ROUTE (SH 289 TO FM 2478)
SHT. 11 - PROFILE VIEW OF SB & NB ROUTE (PRESTON TO SH 289)
SHT. 12 - PROFILE VIEW OF SB & NB ROUTE (PRESTON TO SH 289)
SHT. 13 - PROFILE VIEW OF SB & NB ROUTE (PRESTON TO SH 289)
SHT.

TEXAS DEPARTMENT OF TRANSPORTATION

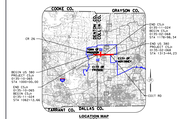
DALLAS DISTRICT
MOHAMED N. (MO) BUR, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND DENTON COUNTY, TEXAS

ESA 0115-14-040, FED./STATE/COUNTY/DISTRICT NO. 0918(IH)/0172(SH)/1386(FM)/0918(380)/0918(SL)/0918(ML)/0918(FR)/0918(SR)/0918(CL)/0918(CR)/0918(RM)/0918(RP)/0918(RC)/0918(RD)/0918(RE)/0918(RF)/0918(RG)/0918(RH)/0918(RJ)/0918(RK)/0918(RL)/0918(RN)/0918(RQ)/0918(RR)/0918(RS)/0918(RT)/0918(RU)/0918(RV)/0918(RW)/0918(RX)/0918(RY)/0918(RZ)/0918(SA)/0918(SB)/0918(SC)/0918(SD)/0918(SE)/0918(SF)/0918(SG)/0918(SH)/0918(SJ)/0918(SK)/0918(SM)/0918(SN)/0918(SP)/0918(SQ)/0918(SS)/0918(ST)/0918(SU)/0918(SV)/0918(SW)/0918(SX)/0918(SY)/0918(SZ)/0918(TA)/0918(TB)/0918(TC)/0918(TD)/0918(TE)/0918(TF)/0918(TG)/0918(TH)/0918(TJ)/0918(TK)/0918(TL)/0918(TM)/0918(TN)/0918(TP)/0918(TQ)/0918(TR)/0918(TS)/0918(TT)/0918(TU)/0918(TV)/0918(TW)/0918(TX)/0918(TY)/0918(TZ)/0918(UA)/0918(UB)/0918(UC)/0918(UD)/0918(UE)/0918(UF)/0918(UG)/0918(UH)/0918(UJ)/0918(UK)/0918(UL)/0918(UM)/0918(UN)/0918(UP)/0918(UQ)/0918(US)/0918(UT)/0918(UU)/0918(UV)/0918(UW)/0918(UX)/0918(UY)/0918(UZ)/0918(VA)/0918(VB)/0918(VC)/0918(VD)/0918(VE)/0918(VF)/0918(VG)/0918(VH)/0918(VJ)/0918(VK)/0918(VL)/0918(VM)/0918(VN)/0918(VP)/0918(VQ)/0918(VR)/0918(VS)/0918(VT)/0918(VU)/0918(VV)/0918(VW)/0918(VX)/0918(VY)/0918(VZ)/0918(WA)/0918(WB)/0918(WC)/0918(WD)/0918(WE)/0918(WF)/0918(WG)/0918(WH)/0918(WJ)/0918(WK)/0918(WL)/0918(WM)/0918(WN)/0918(WP)/0918(WQ)/0918(WR)/0918(WS)/0918(WT)/0918(WU)/0918(WV)/0918(WW)/0918(WX)/0918(WY)/0918(WZ)/0918(XA)/0918(XB)/0918(XC)/0918(XD)/0918(XE)/0918(XF)/0918(XG)/0918(XH)/0918(XJ)/0918(XK)/0918(XL)/0918(XM)/0918(XN)/0918(XP)/0918(XQ)/0918(XR)/0918(XS)/0918(XT)/0918(XU)/0918(XV)/0918(XW)/0918(XX)/0918(XY)/0918(XZ)/0918(YA)/0918(YB)/0918(YC)/0918(YD)/0918(YE)/0918(YF)/0918(YG)/0918(YH)/0918(YJ)/0918(YK)/0918(YL)/0918(YM)/0918(YN)/0918(YP)/0918(YQ)/0918(YR)/0918(YS)/0918(YT)/0918(YU)/0918(YV)/0918(YW)/0918(YX)/0918(YY)/0918(YZ)/0918(ZA)/0918(ZB)/0918(ZC)/0918(ZD)/0918(ZE)/0918(ZF)/0918(ZG)/0918(ZH)/0918(ZJ)/0918(ZK)/0918(ZL)/0918(ZM)/0918(ZN)/0918(ZP)/0918(ZQ)/0918(ZR)/0918(ZS)/0918(ZT)/0918(ZU)/0918(ZV)/0918(ZW)/0918(ZX)/0918(ZY)/0918(ZZ)

DATE: SEPTEMBER 2022
ROLL PLOT

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN FREEWAY
US 380 MAIN STRUCTURE	70 MPH	URBAN FREEWAY
US 380 FRONTAGE ROADS	40 MPH	URBAN ARTERIAL
MANNING ROAD	40 MPH	COLLECTOR STREET
MARILEE LANE	40 MPH	COLLECTOR STREET
FRONTAGE ROADS	40 MPH	URBAN ARTERIAL
RAMPS	40 MPH	URBAN FREEWAY
DIRECT CONNECTORS	40 MPH	URBAN FREEWAY
C-D ROAD	40 MPH	URBAN ARTERIAL


COLLIN CO.
GRAYSON CO.
DENTON CO.
TARRANT CO.
DALLAS CO.
LOCATION MAP
LIMITS OF PROJECT
LOOP 9
SH 289
SH 121
US 75
LOOP 9
SH 289
SH 121
US 75
LOOP 9
SH 289
SH 121
US 75

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUR, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC

COLLIN AND GRAYSON COUNTY, TEXAS

STA 1245+00 TO STA 1292+00 FOR THE CONSTRUCTION OF TP TO IMPROVE US 380 TO CONTROLLED ACCESS FACILITY WITH FRONTAGE ROADS AND DIRECT CONNECTORS AT SH 289 AND FM 1827 IN COLLIN COUNTY, TEXAS

DATE: SEPTEMBER 2022
ROLL PLOT

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN FREEWAY
US 380 MAIN LANES TO EAST	70 MPH	URBAN FREEWAY
US 380 FRONTAGE ROAD	40 MPH	URBAN PRINCIPAL ARTERIAL
MANDATED RAMP	40 MPH	COLLECTOR STREET
OPTIONAL RAMP	40 MPH	COLLECTOR STREET
FRONTAGE ROADS	40 MPH	URBAN PRINCIPAL ARTERIAL
CROSS STREET	40 MPH	URBAN PRINCIPAL ARTERIAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL ARTERIAL
C-D ROAD	40 MPH	URBAN OPTIONAL

INDEX OF SHEETS

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PRELIMINARY PLANS

PREPARED BY: JACOBS ENGINEERING GROUP, INC.
TEXAS REGISTERED ENGINEERING FIRM F-2447
1999 BRYAN STREET, SUITE 1200
DALLAS, TEXAS 75201
PHONE: 214.638.0145
FAX: 214.638.0447

Jacobs

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LEGEND

UTILITY LEGEND


OVERHEAD UTILITY
UNDERGROUND UTILITY
GAS LINE
WATER LINE
UNKNOWN
EXISTING UTILITY TO REMAIN
EXISTING UTILITY TO BE REMOVED
PROPOSED UTILITY
EXISTING UTILITY TO BE ADJUSTED
EXISTING UTILITY TO BE RELOCATED
EXISTING UTILITY TO BE ABANDONED

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUR, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC

COLLIN AND GRAYSON COUNTY, TEXAS

STA 0+00.00 (US 380) TIED TO BEGINNING OF PC IMPROVED ON COUNTY LINE
STA 1+00.00 (FM 1827) TIED TO BEGINNING OF PC IMPROVED ON COUNTY LINE
STA 0+00.00 (FM 1827) TIED TO BEGINNING OF PC IMPROVED ON COUNTY LINE

DATE: SEPTEMBER 2022
ROLL UP #6

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN PRINCIPAL
US 380 MAIN LANES TO EAST	70 MPH	URBAN PRINCIPAL
US 380 FRONTAGE ROAD	40 MPH	URBAN PRINCIPAL
KENNEDY ROAD	40 MPH	COLLECTOR STREET
PRESTON ROAD	40 MPH	URBAN PRINCIPAL
FRONTAGE ROADS	40 MPH	URBAN PRINCIPAL
RAMPS	40 MPH	URBAN PRINCIPAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL
U-TURNS	40 MPH	URBAN PRINCIPAL

INDEX OF SHEETS

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Jacobs
Powering Progress

CONTRACT NO.: CSJ NO.:
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LEGEND


EXISTING ROADWAY TO REMAIN
EXISTING ROADWAY TO REMOVE
PROPOSED ROADWAY
PROPOSED CURB
PROPOSED TRAFFICABLE ROAD
PROPOSED RAMP
DIRECT CONNECTOR
PROPOSED SIDEWALK/PATH
PROPOSED CONCRETE PAVEMENT
PROPOSED CRC OVERLAY (HMA)
PROPOSED CRC OVERLAY (CONC)
PROPOSED RIGHT-OF-WAY
EXISTING RIGHT-OF-WAY
EXISTING EASEMENT
EXISTING BUILDING
EXISTING FENCE
EXISTING TREE
EXISTING GUIDE SIGNS
EXISTING SIGNALS
EXISTING PERMANENT LIGHTS
EXISTING STORM SEWER
EXISTING SANITARY SEWERS
EXISTING IRRIGATION SYSTEMS
EXISTING DRAINAGE SUMMARY
EXISTING CULVERTS
PROPOSED CURB RETAINING WALL
PROPOSED CURB
PROPOSED CURB AT PAVEMENT
PROPOSED CURB AT SIDEWALK
PROPOSED BRIDGE ABUTMENT
PROPOSED BRIDGE RAIL
PROPOSED RETAINING WALL
PROPOSED SOUND BARRIER WALL
PROPOSED CULVERT
EXISTING BRIDGE
EXISTING BRIDGE RAIL
EXISTING RETAINING WALL
EXISTING SOUND BARRIER WALL
EXISTING CULVERT
EXISTING BRIDGE
EXISTING BRIDGE RAIL
EXISTING RETAINING WALL
EXISTING SOUND BARRIER WALL
EXISTING CULVERT
EXISTING CURB
EXISTING CURB AT PAVEMENT
EXISTING CURB AT SIDEWALK
EXISTING CURB RAMP
EXISTING CURB RAMP
EXISTING SIDEWALK
EXISTING SIDEWALK

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUH, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND DENTON COUNTY, TEXAS

ESA 0115-14-040, FED./STATE PROJECT:HIGHWAY BY PE EMERGENCY ON COUNTY LINE
FED.RD.DIV.NO.6 STATE:TEXAS CONTROL:0015-14-040 PROJECT:ESA 0115-14-040
HIGHWAY:US 380 COUNTY:COLLIN AND DENTON

DATE: SEPTEMBER 2022
ROLL PLOT

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	URBAN PRINCIPAL ARTERIAL
US 380 FRONTAGE ROADS	40 MPH	URBAN PRINCIPAL ARTERIAL
MANNING ROAD	40 MPH	COLLECTOR STREET
PRESTON ROAD	40 MPH	URBAN PRINCIPAL ARTERIAL
FRONTAGE ROADS	40 MPH	URBAN PRINCIPAL ARTERIAL
RAMPS	40 MPH	URBAN PRINCIPAL ARTERIAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL ARTERIAL
K STREET	30 MPH	URBAN LOCAL

INDEX OF SHEETS

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PREPARED BY: JACOBS ENGINEERING GROUP, INC.
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FAX: 214.638.0447
TBPE Firm No. F-2447

Jacobs

TEXAS DEPARTMENT OF TRANSPORTATION
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LEGEND

	EXISTING ROADWAY TO REMAIN
	EXISTING BRIDGE TO REMAIN
	PROPOSED BRIDGE
	PROPOSED CURB
	PROPOSED CURB AND GUTTER
	PROPOSED CONCRETE PAVEMENT
	PROPOSED HMA PAVEMENT
	DIRECT CONNECTOR
	TOLLED EXPRESS/HOV LANES
	PROPOSED TOLL GANTRY
	PROPOSED TOLL BOOTH
	EXISTING ELECTRONIC TOLL GANTRY
	EXISTING TOLL BOOTH TO BE REMOVED
	EXISTING TOLL GANTRY TO BE REMOVED
	EXISTING CURB
	EXISTING RAIL
	EXISTING BRIDGE
	EXISTING BRIDGE DECK
	EXISTING BRIDGE RAIL
	EXISTING BRIDGE RAIL TO REMAIN
	EXISTING TIRE GUARD
	EXISTING EMERGENCY CROSSOVER
	EXISTING EMERGENCY CROSSOVER TO BE REMOVED
	EXISTING CENTER BOULEVARD
	EXISTING CENTER BOULEVARD TO BE REMOVED
	EXISTING CURB AND GUTTER
	EXISTING CURB AND GUTTER TO BE REMOVED
	EXISTING DIRT
	EXISTING HMA PAVEMENT
	EXISTING HMA PAVEMENT TO BE REMOVED
	EXISTING CONCRETE PAVEMENT
	EXISTING CONCRETE PAVEMENT TO BE REMOVED
	PROPOSED CURB
	PROPOSED CURB AND GUTTER
	PROPOSED HMA PAVEMENT
	PROPOSED CONCRETE PAVEMENT
	PROPOSED TOLL GANTRY
	PROPOSED TOLL BOOTH
	STRUCTURE ID TYPE
	PROPOSED BRIDGE RAIL
	PROPOSED OVERHEAD SIGN STRUCTURE
	PROPOSED OVERHEAD SIGN STRUCTURE

UTILITY LEGEND

CABLE	CABLE
	OVERHEAD UTILITY
	UNDERGROUND UTILITY
	UNKNOWN UTILITY

	GAS
	GAS TO REMOVE
	GAS TO BE ADJUSTED
	GAS TO BE REMOVED

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUH, P.E., DISTRICT ENGINEER

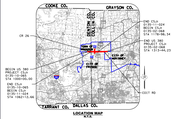
US 380
DESIGN SCHEMATIC

COLLIN AND HUNTIN COUNTY, TEXAS

STA 0+00.000, FED. PROJ.=0380(000)BEGINNING AT TX CONGRESS AV COUNTY LINE
STA 1632+50.000, FED. PROJ.=0380(000)ENDING AT FM 1827 COUNTY LINE
LENGTH = 16.309 MILES

DATE: SEPTEMBER 2022
ROLL UP SHEET

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 380	70 MPH	PRINCIPAL ARTERIAL
US 380 MAIN STRUCTURE	70 MPH	PRINCIPAL ARTERIAL
US 380 FRONTAGE RD	40 MPH	COLLECTOR STREET
MINERAL WAYS	40 MPH	COLLECTOR STREET
PARKER ROAD	40 MPH	COLLECTOR STREET
FRONTIER TRAIL	40 MPH	COLLECTOR STREET
DIRECT CONNECTORS	40 MPH	URBAN FREEWAY
C-D RAMPS	40 MPH	URBAN FREEWAY



INDEX OF SHEETS

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TEXAS REGISTERED ENGINEERING FIRM F-2447
1999 BRYAN STREET, SUITE 1200
DALLAS, TEXAS 75201
PHONE: 214.638.0145
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LEGEND

EXISTING RIGHT OF WAY	
PROPOSED RIGHT OF WAY	
PROPOSED BRIDGE	
PROPOSED CURB	
PROPOSED RAMP	
PROPOSED TRAFFIC RAIL	
PROPOSED FENCE	
JOINT LOCATION	
FILL/CUT EXTENSION	
PROPOSED TREE	
PROPOSED SHRUB PATCH	
PROPOSED GRASS SEEDING	
EXISTING CONCRETE PAVEMENT	
EXISTING CR OF FLEXIBLE PAVT	
EXISTING CURB	
EXISTING TREE	
EXISTING SHRUB	
EXISTING BRIDGE DECK	
EXISTING RAIL	
EXISTING CONCRETE PAVEMENT	
EXISTING CURB	
EXISTING BRIDGE CONSTRUCTION	
EXISTING BRIDGE RAIL	
EXISTING BRIDGE SUBSTRUCTURE	
PROPOSED TOP OF PAVEMENT	
PROPOSED BRIDGE CONSTRUCTION	
PROPOSED BRIDGE RAILING	
PROPOSED BRIDGE DECK	
PROPOSED BRIDGE SUBSTRUCTURE	
PROPOSED RETAINING WALL	
PROPOSED CULVERT	
PROPOSED SIGN	
PROPOSED SIGN STRUCTURE	
PROPOSED TRAFFIC SIGNAL	
PROPOSED LIGHTING	
PROPOSED STRUCTURE NUMBER	
PROPOSED OVERHEAD SIGN STRUCTURE	
PROPOSED GANTRY SIGN STRUCTURE	

UTILITY LEGEND

OHU	OVERHEAD UTILITY
UGU	UNDERGROUND UTILITY
UNDERGROUND	
AT GRADE	
ELEVATED	
OVERHEAD

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUH, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND DENTON COUNTY, TEXAS

ESA 0715-04-048, FED./STATE/COUNTY/DISTRICT NO. 0918-24-XXX, ETC.
FED. ROAD DIST. NO. 6, FED. AID PROJ. NO. STP 0380(XXX)
CSJ 0918-24-XXX, ETC.

DATE: SEPTEMBER 2022
ROLL SCHEME

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	45 MPH	URBAN PRINCIPAL ARTERIAL
US 380 MAIN LANES TOLLWAY	70 MPH	URBAN FREEWAY
US 380 FRONTAGE ROAD	40 MPH	URBAN PRINCIPAL ARTERIAL
KENNEDY ROAD	40 MPH	COLLECTOR STREET
PRESTON ROAD	40 MPH	URBAN PRINCIPAL ARTERIAL
FRONTIER ROAD	30 MPH	URBAN ARTERIAL
RAMPS	30 MPH	URBAN FREEWAY
DIRECT CONNECTORS	40 MPH	URBAN FREEWAY
U-TURNS	30 MPH	URBAN ARTERIAL

INDEX OF SHEETS

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PRELIMINARY PLANS

PREPARED BY: JACOBS ENGINEERING GROUP, INC.
TEXAS REGISTERED ENGINEERING FIRM F-2447
1999 BRYAN STREET, SUITE 1200
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Powered by Bentley Systems

LEGEND

- EXISTING ROADWAY TO REMAIN
- EXISTING ROADWAY TO BE REMOVED
- PROPOSED BRIDGE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED FRONTAGE ROAD PAVEMENT
- DIRECT CONNECTOR
- TOLLSTUB SUPERSTRUCTURE
- PROPOSED TOLL GANTRY
- PROPOSED TOLL FENCE
- PROPOSED TOLL SYSTEM EQUIPMENT
- PROPOSED SOUND BARRIER WALL
- EXISTING TOLL SYSTEM EQUIPMENT TO REMAIN
- EXISTING TOLL SYSTEM EQUIPMENT TO BE REMOVED
- EXISTING GUARDRAIL
- PROPOSED GUARDRAIL
- EXISTING R.O.W.
- EXISTING DENTON COUNTY LINE
- EXISTING COLLIN COUNTY LINE
- EXISTING TARRANT COUNTY LINE
- EXISTING DALLAS COUNTY LINE
- EXISTING CITY LIMITS
- EXISTING EXTRATERRITORIAL JURISDICTION
- EXISTING MAJOR DRAINAGE
- EXISTING MINOR DRAINAGE
- PROPOSED R.O.W.
- PROPOSED TOLL R.O.W.
- PROPOSED TEMPORARY R.O.W.
- PROPOSED TOLL EASEMENT
- PROPOSED DRAINAGE EASEMENT
- PROPOSED SLOPE EASEMENT
- PROPOSED TEMPORARY EASEMENT
- PROPOSED BRIDGE R.O.W.
- PROPOSED TOLL BRIDGE R.O.W.
- PROPOSED TOLL GANTRY R.O.W.
- PROPOSED TOLL EASEMENT
- EXISTING R.R. TRACK
- EXISTING R.R. BRIDGE
- EXISTING R.R. SIGNAL
- STRUCTURE ID CODE
- EXISTING STRUCTURE TO REMAIN
- PROPOSED STRUCTURE
- PROPOSED DRAINAGE SYSTEM STRUCTURE
- EXISTING DRAINAGE SYSTEM STRUCTURE

UTILITY LEGEND

- CABLE TELEVISION
- OVERHEAD UTILITY
- UNDERGROUND UTILITY
- WATER UTILITY

NOTES:

1. ALL DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.
2. ALL ELEVATIONS ARE IN FEET.
3. ALL ELEVATIONS ARE BASED ON NAVD 88 (2001 ADJUSTMENT).
4. ALL HORIZONTAL CONTROL IS BASED ON NAD 83 (2011 ADJUSTMENT).
5. ALL HORIZONTAL CONTROL IS BASED ON THE TEXAS COORDINATE SYSTEM OF 1983 (2011), NORTH CENTRAL ZONE (4202), AND ALL DISTANCES ARE SURFACE VALUES.
6. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
7. ALL CURB RADII ARE 2' UNLESS OTHERWISE NOTED.
8. ALL PROPOSED PAVEMENT IS CONCRETE UNLESS OTHERWISE NOTED.
9. ALL PROPOSED SIDEWALKS ARE 6' WIDE UNLESS OTHERWISE NOTED.
10. ALL PROPOSED SIDEWALKS ARE CONCRETE UNLESS OTHERWISE NOTED.
11. ALL PROPOSED SIDEWALKS ARE ADJACENT TO BACK OF CURB UNLESS OTHERWISE NOTED.
12. ALL PROPOSED RAMPS ARE CONCRETE UNLESS OTHERWISE NOTED.
13. ALL PROPOSED RAMPS ARE 30' WIDE UNLESS OTHERWISE NOTED.
14. ALL PROPOSED RAMPS ARE ADJACENT TO BACK OF CURB UNLESS OTHERWISE NOTED.
15. ALL PROPOSED RAMPS ARE 2% CROSS SLOPE UNLESS OTHERWISE NOTED.
16. ALL PROPOSED RAMPS ARE 5% LONGITUDINAL SLOPE UNLESS OTHERWISE NOTED.
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MATCH LINE STA. 1679+50
MATCH LINE STA. 1726+50
MATCH LINE STA. 2766+50
DNT
TOLL
Express Toll
Express Toll
Express Toll

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED N. (MO) NUR, P.E., DISTRICT ENGINEER

US 380
DESIGN SCHEMATIC
COLLIN AND GRAYSON COUNTY, TEXAS

ESA 0715-04-048, FED./STATE/COOPERATIVE BY TX UNDERTAKING (DISTRICT LINE TASK FUNDING) FOR PRELIMINARY ENGINEERING AND ENVIRONMENTAL
FED.STP/STATE/LOCAL FUNDS FOR CONSTRUCTION
LIMITS: FM 2478 TO LAMBERTH RD

DATE: SEPTEMBER 2022
ROLL PLOT

ROADWAY	SPEED	FUNCTIONAL CLASSIFICATION
US 380	55 MPH	URBAN PRINCIPAL
US 380 FRONTAGE ROADS	35 MPH	URBAN PRINCIPAL
INTERSECTING ROADS	30 MPH	COLLECTOR STREET
RAMPS	40 MPH	URBAN PRINCIPAL
FRONTAGE ROADS	30 MPH	URBAN ARTERIAL
RAMPS	40 MPH	URBAN PRINCIPAL
DIRECT CONNECTORS	40 MPH	URBAN PRINCIPAL
C-D ROAD	40 MPH	URBAN PRINCIPAL

LOCATION MAP

INDEX OF SHEETS

50% SUBMITTAL
NOT FOR CONSTRUCTION
PRELIMINARY

PREPARED BY: JACOBS ENGINEERING GROUP, INC.
TEXAS REGISTERED ENGINEERING FIRM F-2447
1999 BRYAN STREET, SUITE 1200
DALLAS, TEXAS 75201-3136
PHONE: 214.638.0145
FAX: 214.638.0447

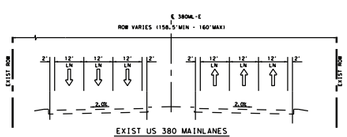
Jacobs
Powering Tomorrow

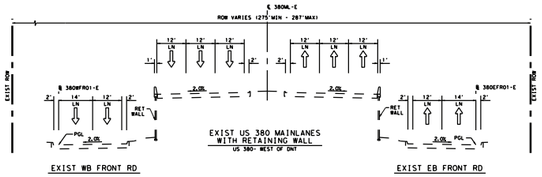
LEGEND

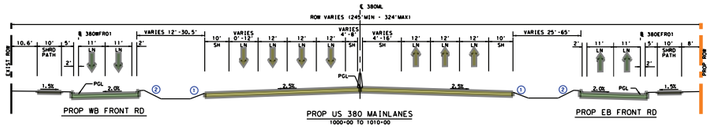
- EXISTING ROADWAY TO REMAIN
- EXISTING ROADWAY TO REMOVE
- PROPOSED BRIDGE
- PROPOSED CURB
- PROPOSED SIDEWALK
- PROPOSED TRAFFICABLE ROAD
- CURB
- DIRECT CONNECTOR
- FOLLOWTHE DIRECTION
- PROPOSED RAMP
- PROPOSED CROSS SLOPE
- PROPOSED TRAFFICABLE GORE
- EXISTING CONCRETE PAVEMENT
- EXISTING CURB AND GUTTER
- EXISTING FLUME
- EXISTING GUARDRAIL
- EXISTING RETAINING WALL
- EXISTING RIP-RAP
- EXISTING SIGNAL POLE
- EXISTING SIGNAL POLE W/ MAST ARM
- EXISTING SIGN
- EXISTING TRAFFIC CONTROL BOX
- EXISTING UNDERGROUND CONDUIT
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND TELEPHONE
- EXISTING WATER LINE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CURB AND GUTTER
- PROPOSED DRIVE OR PAVEMENT
- PROPOSED FLUME
- PROPOSED GUARDRAIL
- PROPOSED MEDIAN NOSE
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED TRAFFICABLE GORE AREA
- PROPOSED TRAFFICABLE MEDIAN
- PROPOSED TRAFFICABLE PAVED SHOULDER
- PROPOSED TRAFFICABLE SHOULDER
- PROPOSED TRAFFICABLE TURNAROUND
- PROPOSED TRAFFICABLE WIDENING
- PROPOSED TRAFFICABLE WIDENING
- PROPOSED TRAFFICABLE WIDENING

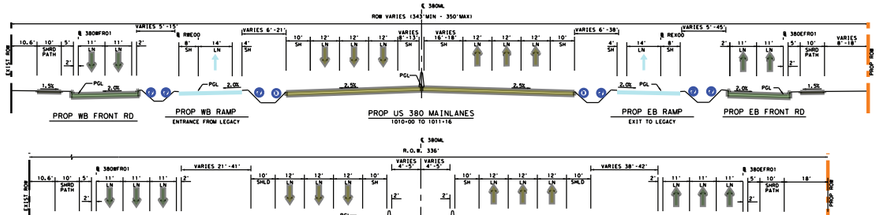
APPENDIX D

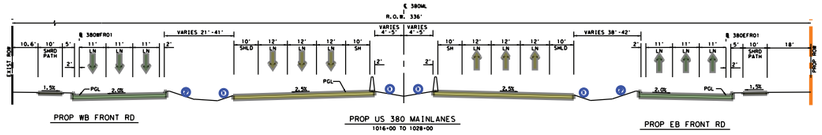
TYPICAL SECTIONS

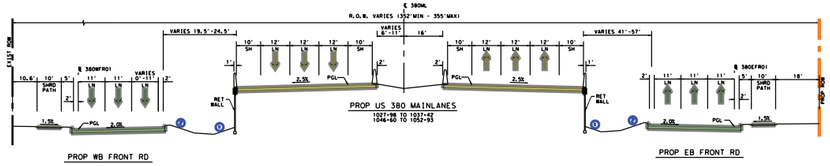


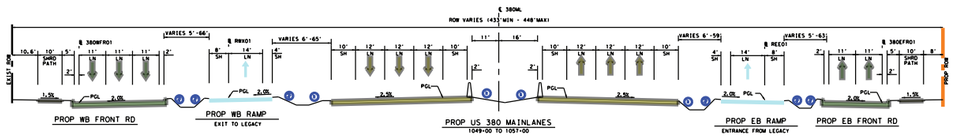


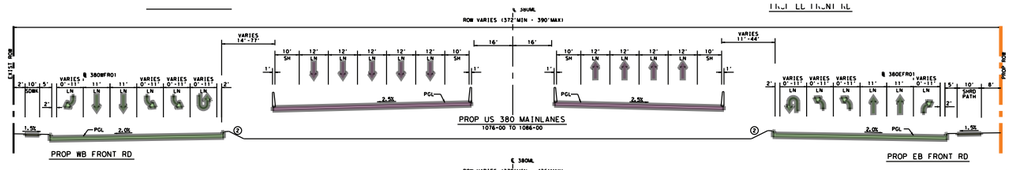


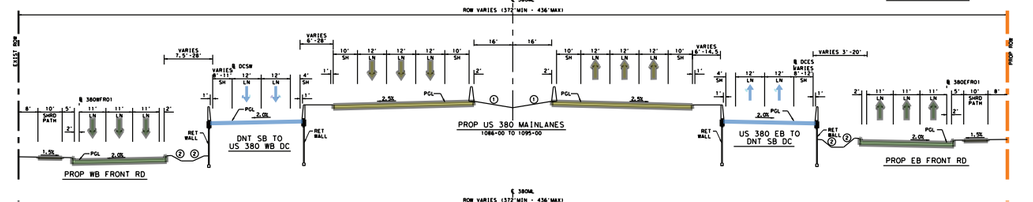


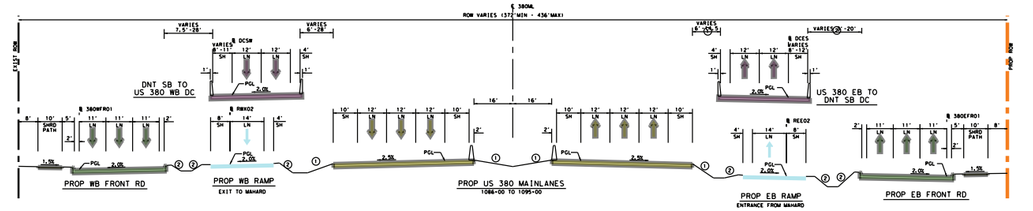


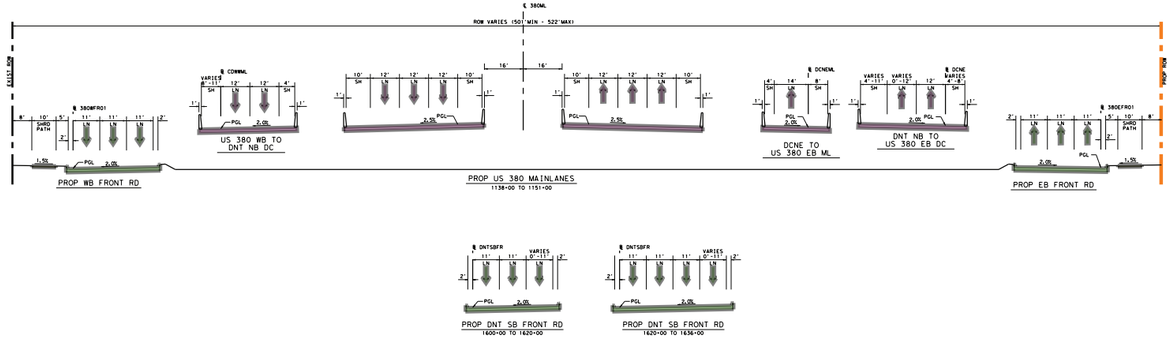












Existing and Proposed Typical Sections

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-10-065, 0135-11-024, & 0135-02-068

APPENDIX E

PLAN AND PROGRAM EXCERPTS

FT Corridor	MTP ID	Facility	From	To	2023 Lanes	2026 Lanes	2036 Lanes	2045 Lanes	Asset Optimization Description	YOE Cost
55 - US 287 (North)	1.40.1	US 287	South of Ramhorn Hill Road (Wise County Line)	South of Avondale Haslet Road	4 (Rural), 4 (Frtg-D)	4 (Rural), 4 (Frtg-D)	6 (Frwy), 4/6 (Frtg-C)	6 (Frwy), 4/6 (Frtg-C)	Operational Improvements/ Bottleneck Removal and Addition of Frontage Roads	Included w/ 1.30.1
55 - US 287 (North)	1.40.2	US 287	South of Avondale Haslet Road	IH 35W	4 (Frwy), 2/6 (Frtg-D)	4 (Frwy), 4/8 (Frtg-C)	6 (Frwy), 4/8 (Frtg-C)	6 (Frwy), 4/8 (Frtg-C)	Operational Improvements/ Bottleneck Removal	$266,000,000
56 - US 287 (South)	1.60.2	US 287	Sublett Road	Russell Curry Road	4 (Frwy), 4 (Frtg-C)	4 (Frwy), 4 (Frtg-C)	6 (Frwy), 4 (Frtg-C)	6 (Frwy), 4 (Frtg-C)		$90,000,000
56 - US 287 (South)	1.60.3	US 287	Russell Curry Road	FM 157	4 (Frwy), 4 (Frtg-C)	4 (Frwy), 4 (Frtg-C)	6 (Frwy), 4 (Frtg-C)	6 (Frwy), 4 (Frtg-C)		Included w/ 1.60.2
56 - US 287 (South)	1.60.4	US 287	FM 157	Walnut Creek Drive	4 (Frwy), 4/6 (Frtg-C)	4 (Frwy), 4/6 (Frtg-C)	6 (Frwy), 4/6 (Frtg-C)	6 (Frwy), 4/6 (Frtg-C)		Included w/ 1.60.2
56 - US 287 (South)	1.60.5	US 287	Walnut Creek Drive	Broad Street	4 (Frwy), 4 (Frtg-C)	4 (Frwy), 4 (Frtg-C)	6 (Frwy), 4 (Frtg-C)	6 (Frwy), 4 (Frtg-C)		Included w/ 1.60.2
56 - US 287 (South)	1.60.6	US 287	Broad Street	Lone Star Road	4 (Frwy), 4 (Frtg-D)	4 (Frwy), 4 (Frtg-D)	6 (Frwy), 4 (Frtg-D)	6 (Frwy), 4 (Frtg-D)		$123,000,000
57 - US 380 Farmersville Bypass	2.140.1	US 380 Farmersville Bypass	CR 560	East of CR 698/CR 699			6 (Frwy), 4/6 (Frtg-C)	6 (Frwy), 4/6 (Frtg-C)		Included w/ 2.50.2
57 - US 380 Farmersville Bypass	2.140.2	US 380 Farmersville Bypass	East of CR 698/CR 699	CR 698/CR 699 (Hunt County Line)			4 (Frwy), 4/6 (Frtg-C)	4 (Frwy), 4/6 (Frtg-C)		Included w/ 2.50.2
58 - US 380 Freeway	2.50.1	US 380	West of Legacy Drive	SH 289			6 (Frwy), 4/6 (Frtg-C)	6 (Frwy), 4/6 (Frtg-C)		Included w/ 2.50.2
58 - US 380 Freeway	2.50.2	US 380	SH 289	Lakewood Drive			6 (Frwy), 4/6 (Frtg-C)	6 (Frwy), 4/6 (Frtg-C)		$3,196,700,966
58 - US 380 Freeway	2.110.1	US 380	Spur 399 Extension	West of CR 337			10 (Frwy), 4/6 (Frtg-C)	10 (Frwy), 4/6 (Frtg-C)		Included w/ 2.50.2
58 - US 380 Freeway	2.130.1	US 380	East of CR 456	CR 560			8 (Frwy), 4/6 (Frtg-C)	8 (Frwy), 4/6 (Frtg-C)		Included w/ 2.50.2

RSA ID	Agency	County	Facility	From	To	2023 Lanes	2026 Lanes	2036 Lanes	2045 Lanes	YOE Cost
1.557.200	NTTA	Collin	Dallas Parkway**	CR 60	FM 428	2 (Frtg)	2 (Frtg)	N/A	N/A	Included w/ Freeways/Tollways
1.557.250	NTTA	Collin	Dallas Parkway**	FM 428	North of US 380	2/2 (Frtg)	2/2 (Frtg)	N/A	N/A	Included w/ Freeways/Tollways
2.215.575	TxDOT Dallas	Collin	Eldorado Parkway	FM 2478 Custer Road	US 75	4	4	6	6	$39,777,200
1.660.225	TxDOT Dallas	Collin	FM 1378 Country Club Road	North of Stacy Road	FM 2786 Stacy Road	2	2	4	4	$4,523,400
1.660.250	TxDOT Dallas	Collin	FM 1378 Country Club Road	FM 2786 Stacy Road	Rock Ridge Road	2	2	4	6	$4,750,000
1.660.275	TxDOT Dallas	Collin	FM 1378 Country Club Road	Rock Ridge Road	FM 2514 Parker Road	2	2	4	4	$62,500,000
2.130.375	TxDOT Dallas	Collin	FM 455 Anna Weston Road	US 75	SH 5	4	4	4	6	$9,750,000
1.660.400	TxDOT Dallas	Collin	Merritt Road	Sachse Road	PGBT	2	4	4	4	$30,298,693
1.742.150	TxDOT Dallas	Collin	Outer Loop	US 380	CR 637	0	0	2/2 (Frtg)	N/A	Included w/ Freeways/Tollways
1.742.200	TxDOT Dallas	Collin	Outer Loop	CR 637	FM 2755	0	0	2/2 (Frtg)	N/A	Included w/ Freeways/Tollways
2.150.675	TxDOT Dallas	Collin	Outer Loop	SH 289/Preston Road	US 75	0	2 (Frtg)	2/2 (Frtg)	2/2 (Frtg)	Included w/ Freeways/Tollways
2.150.710	TxDOT Dallas	Collin	Outer Loop	West of SH 121	SH 121	2 (Frtg)	2 (Frtg)	2/2 (Frtg)	2/2 (Frtg)	$8,400,600
2.150.600	TxDOT Dallas	Collin	Outer Loop**	FM 428	West of Dallas North Tollway	0	0	2 (Frtg)	N/A	Included w/ Freeways/Tollways
2.150.610	TxDOT Dallas	Collin	Outer Loop**	West of Dallas North Tollway	Dallas North Tollway	0	0	1/1 (Frtg)	N/A	Included w/ Freeways/Tollways
2.150.650	TxDOT Dallas	Collin	Outer Loop**	Dallas North Tollway	SH 289/Preston Road	2 (Frtg)	2 (Frtg)	2/2 (Frtg)	2/2 (Frtg)	$804,000,000
2.150.700	TxDOT Dallas	Collin	Outer Loop**	US 75	West of SH 121	2 (Frtg)	2 (Frtg)	2/2 (Frtg)	2/2 (Frtg)	$415,090,000
1.715.200	TxDOT Dallas	Collin	SH 205	SH 78	Jct SH 205/John King Blvd (N Goliad)	2	4	4	6	$81,317,218
1.605.200	TxDOT Dallas	Collin	SH 289 Preston Road	CR 107/CR 60	BU 289	2	2	4	6	$28,221,787
1.605.225	TxDOT Dallas	Collin	SH 289 Preston Road	BU 289	FM 455	4	4	4	6	$12,500,000
1.605.240	TxDOT Dallas	Collin	SH 289 Preston Road	FM 455	FM 1461	4	4	4	6	$20,000,000
1.605.425	TxDOT Dallas	Collin	SH 289 Preston Road	Plano Parkway	President George Bush Turnpike	6	6	6	8	$1,000,000
1.605.475	TxDOT Dallas	Collin	SH 289 Preston Road	Mapleshade Drive	Frankford Road	6	6	8	8	$5,385,000
1.680.200	TxDOT Dallas	Collin	SH 5	CR 375 (Grayson County)	FM 455	2	2	4	4	$32,395,657
1.680.210	TxDOT Dallas	Collin	SH 5	FM 455	SH 121	2	4	4	6	$65,109,690
1.680.225	TxDOT Dallas	Collin	SH 5	SH 121	North of Tennessee Street	2	4	4	6	$131,659,696
1.680.250	TxDOT Dallas	Collin	SH 5	North of Tennessee Street	North of Industrial Blvd/Eldorado Parkway	4	4	4	4	$37,135,658
1.680.275	TxDOT Dallas	Collin	SH 5	North of Industrial Blvd/Eldorado Parkway	Industrial Blvd/Eldorado Parkway	2/2	2/2	2/2	2/2	$5,141,840
1.680.300	TxDOT Dallas	Collin	SH 5	Industrial Blvd/Eldorado Parkway	Stewart Road	4	4	6	6	$38,205,892
1.680.315	TxDOT Dallas	Collin	SH 5	Stewart Road	SP 399	2/2	2/2	N/A	N/A	Included w/ Freeways/Tollways
1.680.325	TxDOT Dallas	Collin	SH 5	SP 399	Indian Springs Road	2	2	4	4	$24,236,638
1.680.350	TxDOT Dallas	Collin	SH 5	Indian Springs Road	FM 2786 Stacy Road	2	2	4	6	$12,500,000
1.740.200	TxDOT Dallas	Collin	SH 78	East of SH 160	SH 160	2	2	4	4	$5,815,800
1.740.300	TxDOT Dallas	Collin	SH 78	SH 160	FM 6	4	4	6	6	$174,904,800
1.645.200	TxDOT Dallas	Collin	Shiloh Road	Spring Creek Parkway	FM 544 14th Street	2	2	4	4	$14,934,400
1.645.210	TxDOT Dallas	Collin	Shiloh Road	FM 544 14th Street	Renner Road	6	6	6	4	$6,500,000
2.218.300	TxDOT Dallas	Collin	Stacy Road	Angel Parkway	FM 1378	4	4	4	6	$10,000,000
2.225.525	TxDOT Dallas	Collin	US 380	West of Legacy Drive	SH 289	3/3	3/3	N/A	N/A	Included w/ Freeways/Tollways
2.225.535	TxDOT Dallas	Collin	US 380	SH 289	Lovers Lane	3/3	3/3	N/A	N/A	Included w/ Freeways/Tollways
2.225.550	TxDOT Dallas	Collin	US 380	Lovers Lane	Lakewood Drive	3/3	3/3	N/A	N/A	Included w/ Freeways/Tollways
2.225.660	TxDOT Dallas	Collin	US 380	Airport Road	New Hope Road	4	4	6	6	$33,993,296
2.225.665	TxDOT Dallas	Collin	US 380	New Hope Road	West of Tarvin Road	4	4	N/A	N/A	Included w/ Freeways/Tollways
2.225.670	TxDOT Dallas	Collin	US 380	West of Tarvin Road	CR 490	4	4	6	6	$76,362,281
2.225.675	TxDOT Dallas	Collin	US 380	CR 490	East of CR 560	4	4	N/A	N/A	Included w/ Freeways/Tollways
2.225.680	TxDOT Dallas	Collin	US 380	East of CR 560	CR 608 Hamilton Street	4	4	6	6	Included w/ Freeways/Tollways
2.225.690	TxDOT Dallas	Collin	US 380	CR 608 Hamilton Street	S Main Street	4	4	4	6	$2,250,000
2.225.700	TxDOT Dallas	Collin	US 380	S Main Street	CR 698/CR 699 (Hunt County Line)	4	4	4	6	$12,500,000
2.370.375	TxDOT Dallas	Dallas	Avenue B/Forest Lane	Marion Drive	Garland Avenue	3/3	3/3	4/3	4/3	$1,148,800
1.515.375	TxDOT Dallas	Dallas	Belt Line Road	Conflans Road	Rock Island Road	6	6	8	8	$3,015,600
1.655.275	TxDOT Dallas	Dallas	Belt Line Road	Lake June Road	Pioneer Road	2	2	6	6	$14,934,400
1.655.400	TxDOT Dallas	Dallas	Belt Line Road	Simonds Road	Post Oak Road	2	2	4	4	$15,724,200
1.655.425	TxDOT Dallas	Dallas	Belt Line Road	Post Oak Road	IH 45	2	2	4	4	$17,375,600
2.330.250	TxDOT Dallas	Dallas	Belt Line Road	Southwestern Blvd	Moore Road	4	4	6	6	$8,257,000
2.330.275	TxDOT Dallas	Dallas	Belt Line Road	Moore Road	Macarthur Blvd	4	4	6	6	$7,969,800
2.330.360	TxDOT Dallas	Dallas	Belt Line Road	Dallas North Tollway	Prestonwood Blvd	7	7	8	8	$14,862,600
2.330.375	TxDOT Dallas	Dallas	Belt Line Road	Prestonwood Blvd	Meadowcreek Drive	6	6	8	8	$9,693,000
2.665.350	TxDOT Dallas	Dallas	Belt Line Road	Bluegrove Road	Main Street	2	2	6	6	$13,354,800
2.665.375	TxDOT Dallas	Dallas	Belt Line Road	Main Street	Summers Road	2	2	4	4	$35,684,600
2.670.250	TxDOT Dallas	Dallas	Belt Line Road	Mansfield Road	US 67	4	4	4	6	$9,500,000
2.670.275	TxDOT Dallas	Dallas	Belt Line Road	US 67	FM 1382	4	4	4	6	$3,000,000
3.113.283	TxDOT Dallas	Dallas	Big Town Blvd	Samuell Blvd	Forney Road	4	4	6	6	$7,395,400
2.615.400	TxDOT Dallas	Dallas	Camp Wisdom Road	FM 1382	Camp Wisdom Road	4	4	4	6	$1,750,000
2.615.425	TxDOT Dallas	Dallas	Camp Wisdom Road	East of FM 1382	Clark Road	2	2	2	6	$20,000,000
1.590.200	TxDOT Dallas	Dallas	Cesar Chavez Blvd	Commerce Street	Crockett Street	6	6	6	8	$1,500,000
1.590.275	TxDOT Dallas	Dallas	Cesar Chavez Blvd	Marilla Street	IH 30	4/4	6	6	6	$1,488,319
1.590.300	TxDOT Dallas	Dallas	Cesar Chavez Blvd	IH 30	Corinth Street	3/3	6	6	6	$1,997,481
1.590.325	TxDOT Dallas	Dallas	Cesar Chavez Blvd	Corinth Street	Grand Avenue	4	6	6	6	$3,087,400
1.600.260	TxDOT Dallas	Dallas	Coit Road	Alpha Road	IH 635	7	7	8	8	$3,266,900
1.600.275	TxDOT Dallas	Dallas	Coit Road	IH 635	Banner Drive	7	7	8	8	$3,769,500
2.515.400	TxDOT Dallas	Dallas	Commerce Street/Elm Street	Ervay Street	Cesar Chavez Blvd	3/4	3/4	5/5	5/5	$1,220,600
1.595.225	TxDOT Dallas	Dallas	Corinth Street Viaduct	Riverfront Blvd	8th Street	4	4	6	6	$5,672,200
2.625.275	TxDOT Dallas	Dallas	Danieldale Road	East of Cockrell Hill Road	Westmoreland Road	2	2	6	6	$7,467,200
2.625.290	TxDOT Dallas	Dallas	Danieldale Road	Westmoreland Road	Old Hickory Trail	2	2	6	6	$7,180,000

RSA ID	Agency	County	Facility	From	To	2023 Lanes	2026 Lanes	2036 Lanes	2045 Lanes	YOE Cost
1.350.150	TxDOT Dallas	Denton	FM 156	South of SH 114	Intermodal Parkway	2	2	4	4	$27,571,200
1.475.210	TxDOT Dallas	Denton	FM 2499	FM 2181	South of FM 2181	4	4	6	6	$1,866,800
1.475.225	TxDOT Dallas	Denton	FM 2499	South of FM 2181	FM 407	4	4	6	6	$32,669,000
1.560.210	TxDOT Dallas	Denton	FM 423	FM 720	Stonebrook Parkway	6	6	6	8	$8,750,000
1.560.225	TxDOT Dallas	Denton	FM 423	Stonebrook Parkway	Lebanon Road	6	6	6	8	$22,500,000
2.130.250	TxDOT Dallas	Denton	FM 455	IH 35	Marion Road	2	4	4	4	$73,561,459
2.270.290	TxDOT Dallas	Denton	Main Street	IH 35E	Cowan Avenue	4	4	6	6	$2,728,400
2.150.275	TxDOT Dallas	Denton	Outer Loop Greenbelt Parkway**	IH 35	US 377	0	0	2 (Frtg)	N/A	Included w/ Freeways/Tollways
2.150.375	TxDOT Dallas	Denton	Outer Loop Greenbelt Parkway**	US 377	Legacy Drive	0	0	2 (Frtg)	N/A	Included w/ Freeways/Tollways
2.205.475	TxDOT Dallas	Denton	SH 114	FM 156	Double Eagle Blvd	2/2	2/2	N/A	N/A	Included w/ Freeways/Tollways
2.205.500	TxDOT Dallas	Denton	SH 114	Double Eagle Blvd	IH 35W	3/3 (Frtg)	3/3 (Frtg)	N/A	N/A	Included w/ Freeways/Tollways
2.205.600	TxDOT Dallas	Denton	SH 114	US 377	IH 35W	2/2 (Frtg)	N/A	N/A	N/A	Included w/ Freeways/Tollways
2.205.625	TxDOT Dallas	Denton	SH 114	US 377	East of US 377	2/2 (Frtg)	N/A	N/A	N/A	Included w/ Freeways/Tollways
2.205.650	TxDOT Dallas	Denton	SH 114	East of US 377	SH 170	2/2	N/A	N/A	N/A	Included w/ Freeways/Tollways
1.430.200	TxDOT Dallas	Denton	SL 288/ FM 2449	John Paine Road	Vintage Blvd/IH 35W	2 (Frtg)	2 (Frtg)	2 (Frtg)	2/2 (Frtg)	Included w/ Freeways/Tollways
1.430.150	TxDOT Dallas	Denton	State Loop 288	US 380	John Paine Road	0	0	2 (Frtg)	2/2 (Frtg)	Included w/ Freeways/Tollways
1.480.100	TxDOT Dallas	Denton	State Loop 288	E of FM 428	Kings Row	2/2	2/2	N/A	N/A	Included w/ Freeways/Tollways
1.480.175	TxDOT Dallas	Denton	State Loop 288	Audra Lane	Prominence Parkway	2/2	2/2	3/3	3/3	$1,077,000
2.190.250	TxDOT Dallas	Denton	State Loop 288	US 380	IH 35	0	0	2 (Frtg)	2/2 (Frtg)	$15,000,000
2.190.300	TxDOT Dallas	Denton	State Loop 288	IH 35	East of FM 428	2/2	N/A	N/A	N/A	Included w/ Freeways/Tollways
1.523.110	TxDOT Dallas	Denton	US 377	North of E Northside Drive	S Washington Street	2	2	6	6	$42,500,000
1.523.120	TxDOT Dallas	Denton	US 377	US 377 S Washington Street	FM 428	2	2	6	6	$118,170,122
1.523.130	TxDOT Dallas	Denton	US 377	FM 428	US 380	2	2	6	6	$103,658,000
1.540.220	TxDOT Dallas	Denton	US 377	South of FM 1830	Crawford Road	2	2	6	6	$93,334,433
1.540.230	TxDOT Dallas	Denton	US 377	Crawford Road	Marshall Creek Road	2	2	4	4	$73,235,382
1.540.240	TxDOT Dallas	Denton	US 377	Marshall Creek Road	SH 114	4	4	4	4	$7,536,000
1.540.260	TxDOT Dallas	Denton	US 377	North of Byron Nelson Blvd	Parish Lane	2	4	4	4	$12,050,000
1.540.190	TxDOT Dallas	Denton	US 377 Elm Street	Eagle Drive	Carroll Blvd	4	4	6	6	$1,292,400
1.540.160	TxDOT Dallas	Denton	US 377 Locust Street/Elm Street	FM 2164 US 77	University Drive US 380	3/2	3/2	2/2	2/2	$2,441,200
1.540.180	TxDOT Dallas	Denton	US 377 Locust Street/Elm Street	Hickory Street	Eagle Drive	2/3	2/3	3/3	3/3	$1,938,600
2.225.425	TxDOT Dallas	Denton	US 380	East of Fish Trap Road	US 377	2/2	2/2	3/3	3/3	$3,340,000
2.225.440	TxDOT Dallas	Denton	US 380	US 377	Potter Shop Road	4	4	6	6	$14,935,100
2.225.445	TxDOT Dallas	Denton	US 380	Potter Shop Road	FM 720	4	4	6	6	$77,798,026
2.225.450	TxDOT Dallas	Denton	US 380	FM 720	FM 423	4	4	6	6	$39,159,223
2.225.475	TxDOT Dallas	Denton	US 380	FM 423	Teel Parkway/Championship Drive	4	4	3/3	3/3	$70,247,012
2.225.500	TxDOT Dallas	Denton	US 380	Teel Parkway/Championship Drive	West of Legacy Drive	4	4	3/3	3/3	Included w/ Freeways/Tollways
1.430.225	TxDOT Dallas	Denton	Vintage Blvd	IH 35W	Bonnie Brae Street	2	2	4	4	$11,344,400
2.787.250	TxDOT Dallas	Ellis	BU 287 BU 45	Paris Street	IH 45	2	2	4	4	$7,610,800
2.710.300	TxDOT Dallas	Ellis	FM 664	IH 35E	SH 342	4	4	6	6	$51,158,655
2.710.325	TxDOT Dallas	Ellis	FM 664	SH 342	West of Ferris Road	2	2	6	6	$181,380,463
2.710.350	TxDOT Dallas	Ellis	FM 664	West of Ferris Road	N Central Street	2	2	6	6	$46,860,236
2.710.375	TxDOT Dallas	Ellis	FM 664	N Central Street	IH 45	0	0	6	6	Included w/ 2.710.350
1.563.200	TxDOT Dallas	Ellis	FM 664 Ovilla Road	Ovilla Main Street	BU 287	2	2	4	6	$102,687,105
2.710.225	TxDOT Dallas	Ellis	FM 664 Ovilla Road	Westmoreland Road	Ovilla Main Street	2	2	4	6	$16,579,855
1.840.650	TxDOT Dallas	Ellis	SH 34	FM 2451	Sunridge Drive	2	2	2	4	$12,500,000
1.840.655	TxDOT Dallas	Ellis	SH 34	Sunridge Drive	Sonoma Trail	2	2	2	4	$3,500,000
1.840.660	TxDOT Dallas	Ellis	SH 34	Sonoma Trail	IH 45	2	2	2	4	$1,750,000
1.840.700	TxDOT Dallas	Ellis	SH 34	FM 1181	Kaufman Street	2	2	4	4	$1,220,600
1.840.725	TxDOT Dallas	Ellis	SH 34	FM 1183	SP 437 Clay Street	2	2	2	4	$3,500,000
1.840.750	TxDOT Dallas	Ellis	SH 34 Lake Bardwell Drive	SP 437 Clay Street	IH 35E	2	2	2	4	$100,000,000
1.595.390	TxDOT Dallas	Ellis	SH 342	State Loop 9	FM 664	2	2	2	4	$9,250,000
1.595.400	TxDOT Dallas	Ellis	SH 342	FM 664	US 77	2	2	2	4	$9,000,000
1.220.725	TxDOT Dallas	Ellis	US 287	St Paul Road	Old Fort Worth Road	2/2	2/2	N/A	N/A	Included w/ Freeways/Tollways
1.220.775	TxDOT Dallas	Ellis	US 287	Midlothian Parkway	BU 287 Main Street	2/2	2/2	N/A	N/A	Included w/ Freeways/Tollways
1.220.800	TxDOT Dallas	Ellis	US 287	FM 878 Wyatt Street	Cook Road	2/2	2/2	N/A	N/A	Included w/ Freeways/Tollways
1.220.825	TxDOT Dallas	Ellis	US 287	Boyce Road	Cook Road	2/2	N/A	N/A	N/A	Included w/ Freeways/Tollways
1.220.850	TxDOT Dallas	Ellis	US 287	Cook Road	Nesuda Road	2/2	N/A	N/A	N/A	Included w/ Freeways/Tollways
1.580.325	TxDOT Dallas	Ellis	US 77	FM 66	FM 877	2	2	4	4	$502,600
1.580.300	TxDOT Dallas	Ellis	US 77 Elm Street	Ferris Avenue	FM 66	2	2	2/2	2/2	$21,183,600
2.497.250	TxDOT Dallas	Kaufman	FM 460	US 80	FM 740	2	4	4	4	$3,547,958
1.710.275	TxDOT Dallas	Kaufman	FM 740	King Road	Ridgecrest Drive	2	4	4	4	$17,714,708
1.742.350	TxDOT Dallas	Kaufman	Outer Loop	Rockwall/Kaufman County Line	US 80	0	0	2/2 (Frtg)	N/A	Included w/ Freeways/Tollways
1.715.550	TxDOT Dallas	Kaufman	SH 205	Dower Drive/South of FM 548	North of US 80	2	4	4	6	$97,241,454
1.715.610	TxDOT Dallas	Kaufman	SH 205	North of US 80	US 80	4	4	4	6	$12,111,450
1.840.425	TxDOT Dallas	Kaufman	SH 34	Northeast of CR 2314 (Hunt County Lilne)	CR 319 Flowers Lane	2	2	2	4	$35,000,000
1.840.475	TxDOT Dallas	Kaufman	SH 34	Tanger Drive	SH 243 Mulberry Street	2	2	4	4	$75,000,000
1.840.490	TxDOT Dallas	Kaufman	SH 34	FM 1836 Rand Road	US 175	4	4	4	6	$7,250,000
1.840.525	TxDOT Dallas	Kaufman	SH 34	US 175	Washington Street	4	4	4	6	$10,000,000
1.840.550	TxDOT Dallas	Kaufman	SH 34	Washington Street	West Of Washington Street	2	2	4	6	$8,750,000
1.840.575	TxDOT Dallas	Kaufman	SH 34	West of Washington Street	CR 4094	2	2	2	4	$15,000,000
1.840.600	TxDOT Dallas	Kaufman	SH 34	CR 4094	Stewart Street	2	2	2	4	$32,500,000
1.840.610	TxDOT Dallas	Kaufman	SH 34	Stewart Street	South of Stewart Street	2	2	2	4	$2,250,000

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
DALLAS	DENTON	0135-10-065	US 380	E,R	VARIOUS	TXDOT-DALLAS	**$15,000,000**

LIMITS FROM: TEEL PKWY/CHAMPIONSHIP DRIVE
LIMITS TO: DENTON/COLLIN COUNTY LINE
TIP DESCRIPTION: RECONSTRUCT AND WIDEN 4 TO 6 LANE ARTERIAL AND CONSTRUCT 0 TO 4/6 LANE FRONTAGE ROADS
REMARKS:

REV DATE: 07/2022
MPO PROJECT ID: 55292
FUNDING CATEGORY: SW PE,SW ROW
MTP REFERENCE: RSA1-2.225.500

Project History:

Total Project Cost Information:

Preliminary Engineering:	$3,000,000
Right Of Way:	$12,000,000
Construction:	$58,646,629
Construction Engineering:	$3,474,314
Contingencies:	$5,811,881
Indirects:	$1,869,297
Bond Financing:	$0
Total Project Cost:	**$84,802,121**

Cost of Approved Phases: **$15,000,000**

Authorized Funding by Category/Share:

	Federal	State	Regional	Local	Local Contribution	Funding By Category
SW PE:	$0	$3,000,000	$0	$0	$0	$3,000,000
SW ROW:	$9,600,000	$1,200,000	$0	$1,200,000	$0	$12,000,000
Funding by Share:	$9,600,000	$4,200,000	$0	$1,200,000	$0	**$15,000,000**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
DALLAS	ELLIS	0172-12-007	BUS 287S	E,R	ENNIS	TXDOT-DALLAS	**$5,500,000**

LIMITS FROM: ON BUS 287/ENNIS AVE AT UP RAILROAD
LIMITS TO:
TIP DESCRIPTION: CONSTRUCT GRADE SEPARATION AT THE INTERSECTION OF BUS 287/ENNIS AVE AND THE UPRR LINE
REMARKS: LOCAL CONTRIBUTION PAID BY ENNIS AND UNION PACIFIC

REV DATE: 07/2022
MPO PROJECT ID: 14028
FUNDING CATEGORY: 3LC,SW ROW
MTP REFERENCE: MO3-002, FP3-001, FP3-013, FP2-120

Project History:

Total Project Cost Information:

Preliminary Engineering:	$4,000,000
Right Of Way:	$1,500,000
Construction:	$17,000,000
Construction Engineering:	$1,433,489
Contingencies:	$741,200
Indirects:	$514,495
Bond Financing:	$0
Total Project Cost:	**$25,189,184**

Cost of Approved Phases: **$5,500,000**

Authorized Funding by Category/Share:

	Federal	State	Regional	Local	Local Contribution	Funding By Category
3LC:	$0	$0	$0	$0	$4,000,000	$4,000,000
SW ROW:	$1,200,000	$0	$0	$300,000	$0	$1,500,000
Funding by Share:	$1,200,000	$0	$0	$300,000	$4,000,000	**$5,500,000**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
DALLAS	DENTON	0195-02-076	IH 35	C	SANGER	TXDOT-DALLAS	**$27,745,863**

LIMITS FROM: AT FM 455
LIMITS TO:
TIP DESCRIPTION: RECONSTRUCT AND WIDEN 4 TO 6 MAINLANES AND RECONSTRUCT EXISTING 4 TO 4 LANE FRONTAGE ROADS
REMARKS:

REV DATE: 07/2022
MPO PROJECT ID: 55250
FUNDING CATEGORY: 12,4
MTP REFERENCE: FT1-3.10.1

Project History: REGIONAL 10-YEAR PLAN PROJECT

Total Project Cost Information:

Preliminary Engineering:	$2,353,051
Right Of Way:	$10,000,000
Construction:	$27,745,863
Construction Engineering:	$2,386,918
Contingencies:	$3,865,521
Indirects:	$1,177,222
Bond Financing:	$0
Total Project Cost:	**$47,528,575**

Cost of Approved Phases: **$27,745,863**

Authorized Funding by Category/Share:

	Federal	State	Regional	Local	Local Contribution	Funding By Category
4:	$706,854	$176,713	$0	$0	$0	$883,567
12:	$21,489,837	$5,372,459	$0	$0	$0	$26,862,296
Funding by Share:	$22,196,691	$5,549,172	$0	$0	$0	**$27,745,863**

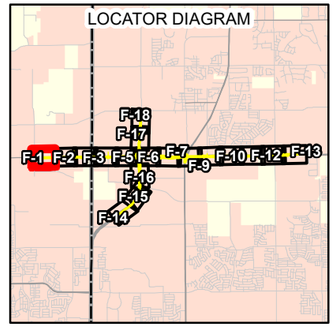
APPENDIX F

RESOURCE-SPECIFIC MAPS

Figure F-1

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

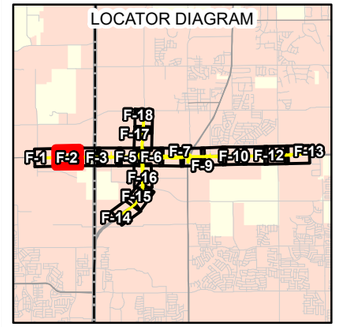
0 100 200
Feet

1 inch = 200 feet

Figure F-2

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

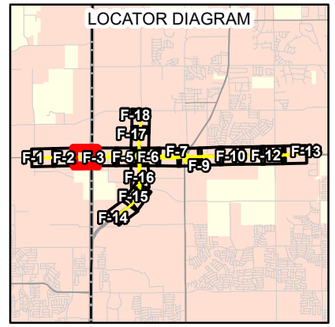
0 100 200
Feet

1 inch = 200 feet

Figure F-3

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

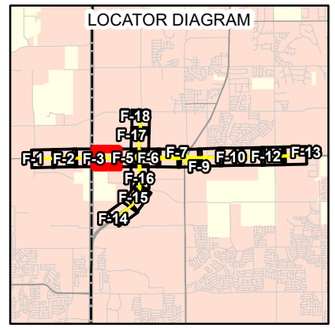
0 100 200
Feet

1 inch = 200 feet

Figure F-4

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

0 100 200
Feet

1 inch = 200 feet

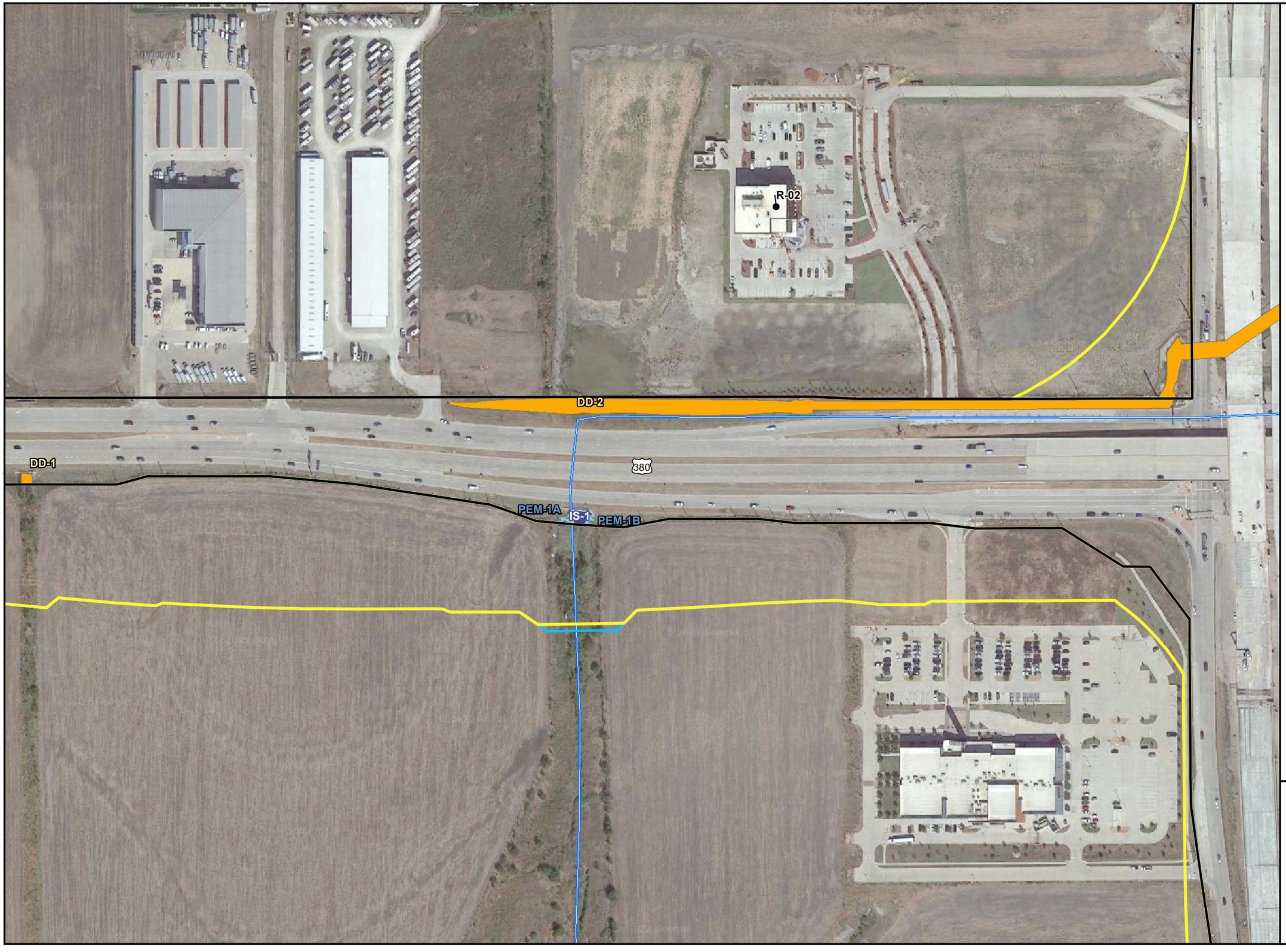
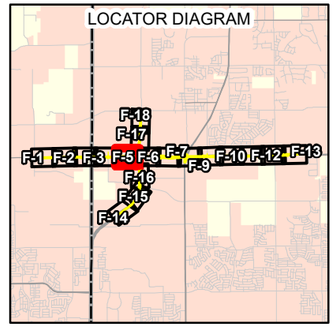


Figure F-5

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

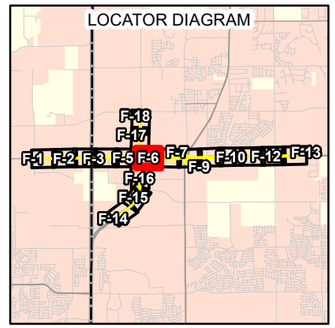
0 100 200
Feet

1 inch = 200 feet

Figure F-6

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

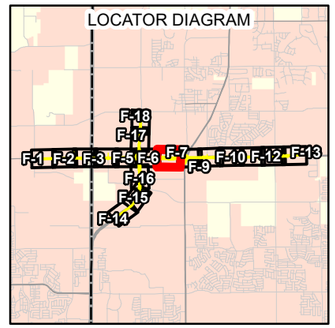
0 100 200
Feet

1 inch = 200 feet

Figure F-7

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

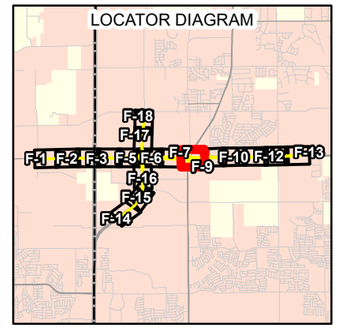
0 100 200
Feet

1 inch = 200 feet

Figure F-8

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

0 100 200
Feet

1 inch = 200 feet

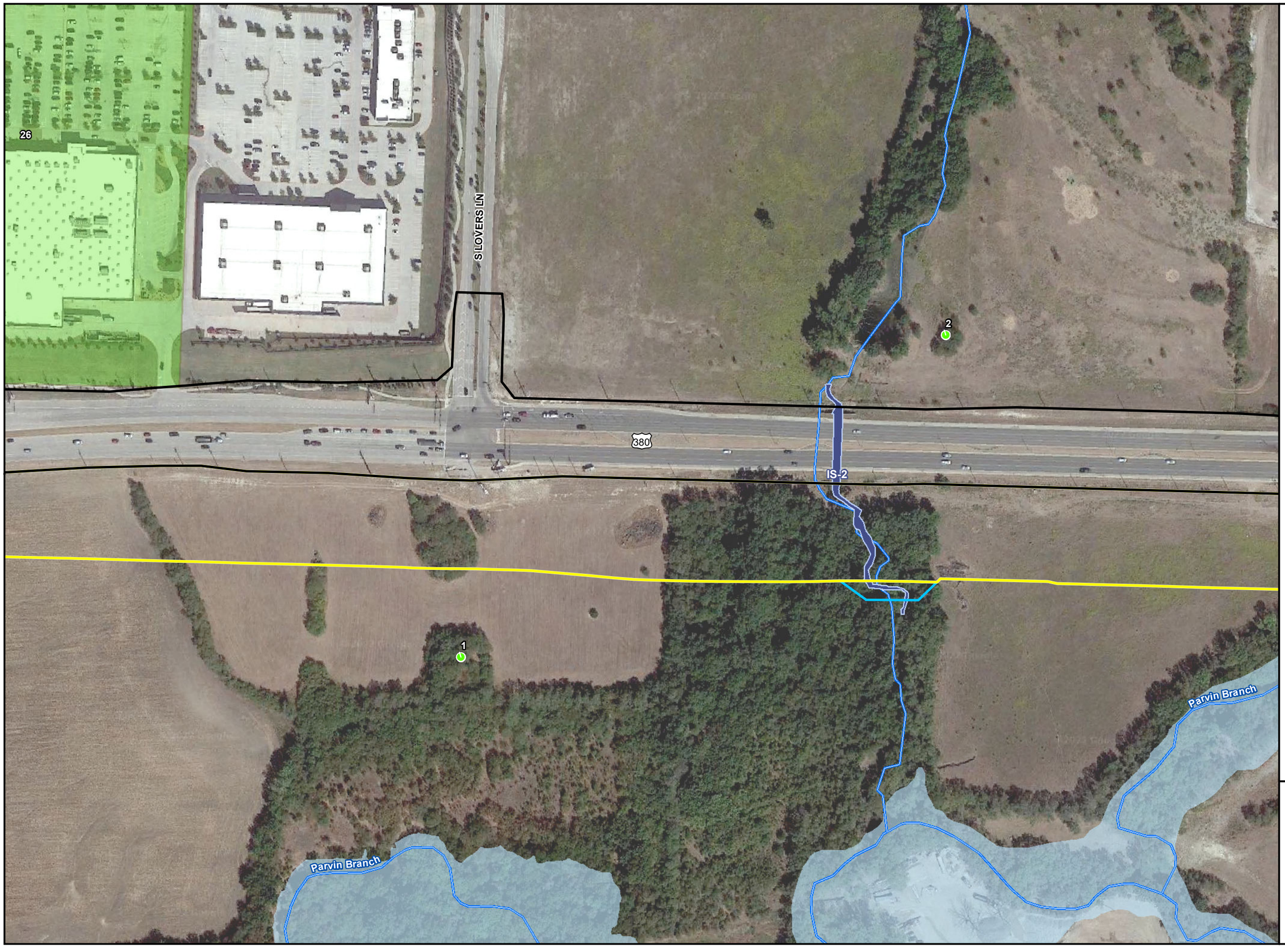
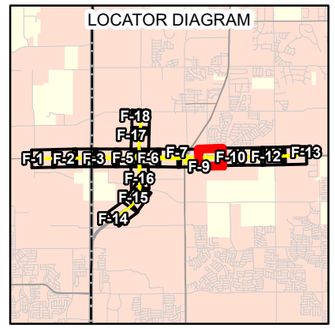


Figure F-9

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

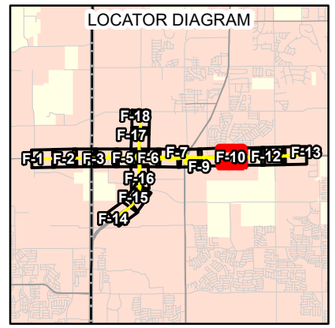
0 100 200
Feet

1 inch = 200 feet

Figure F-10

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

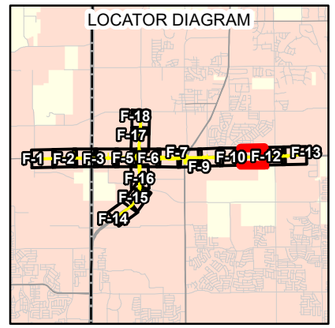
0 100 200
Feet

1 inch = 200 feet

Figure F-11

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

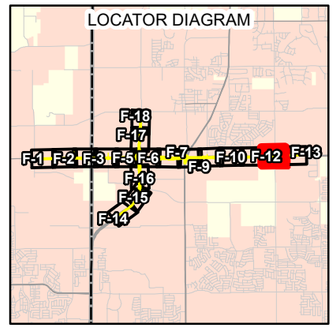
0 100 200
Feet

1 inch = 200 feet

Figure F-12

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

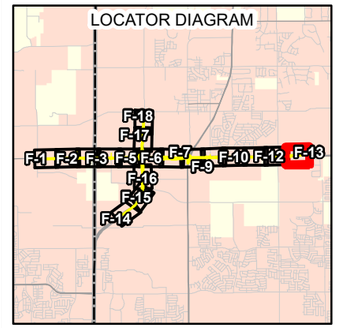
0 100 200
Feet

1 inch = 200 feet

Figure F-13

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

0 100 200
Feet

1 inch = 200 feet

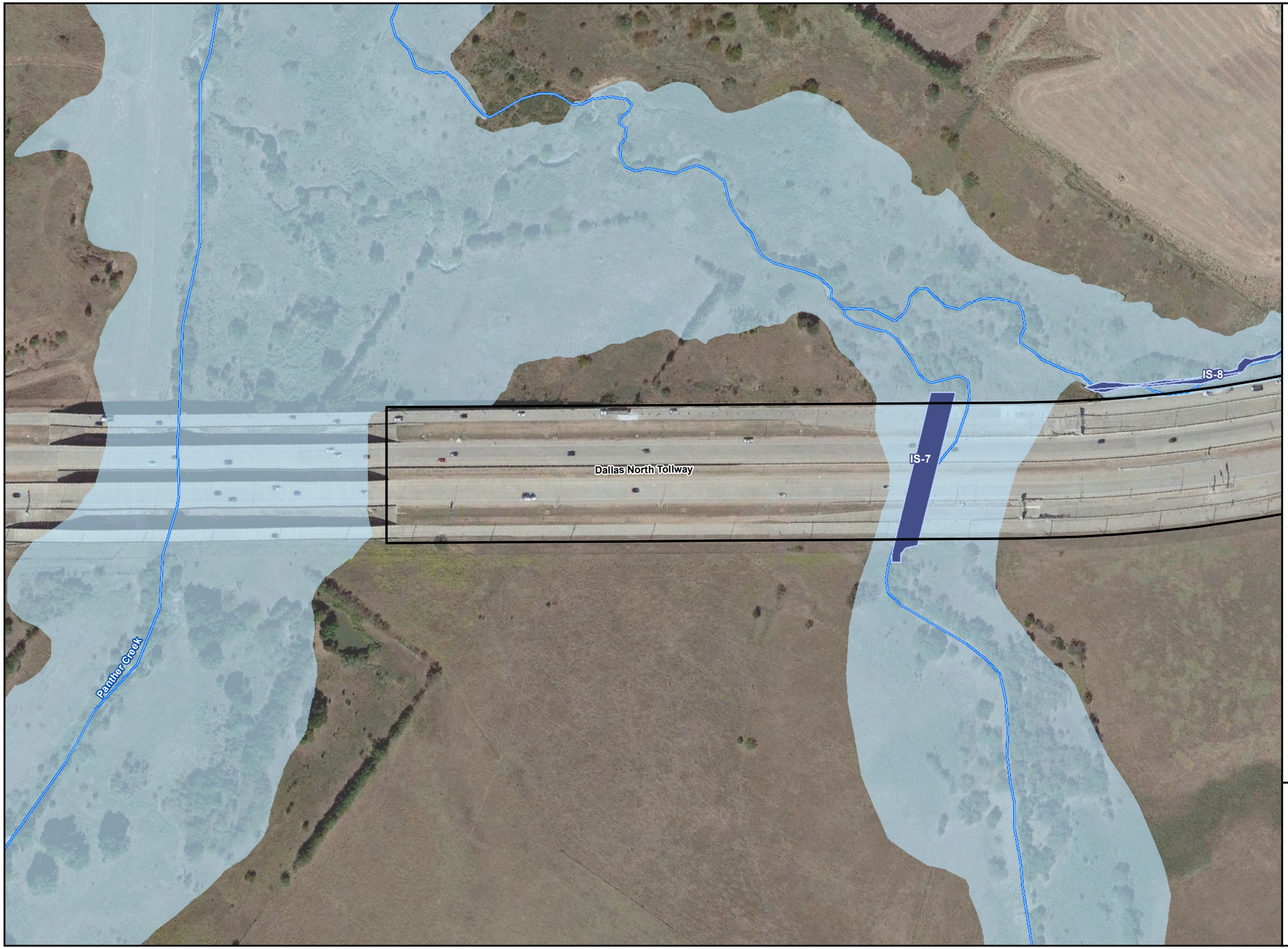
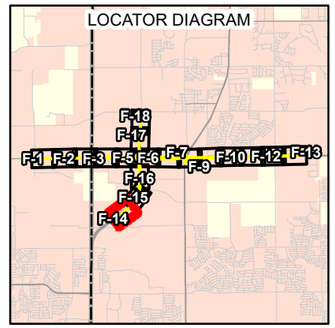


Figure F-14

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

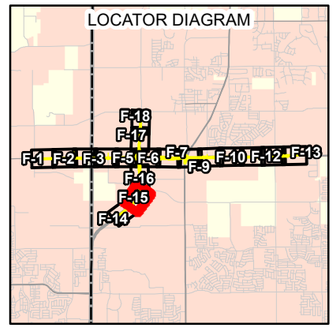
0 100 200
Feet

1 inch = 200 feet

Figure F-15

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

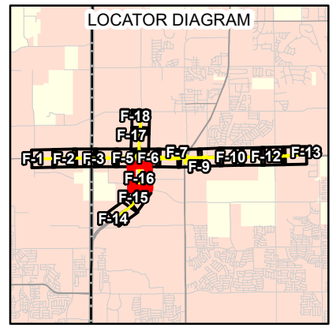
0 100 200
Feet

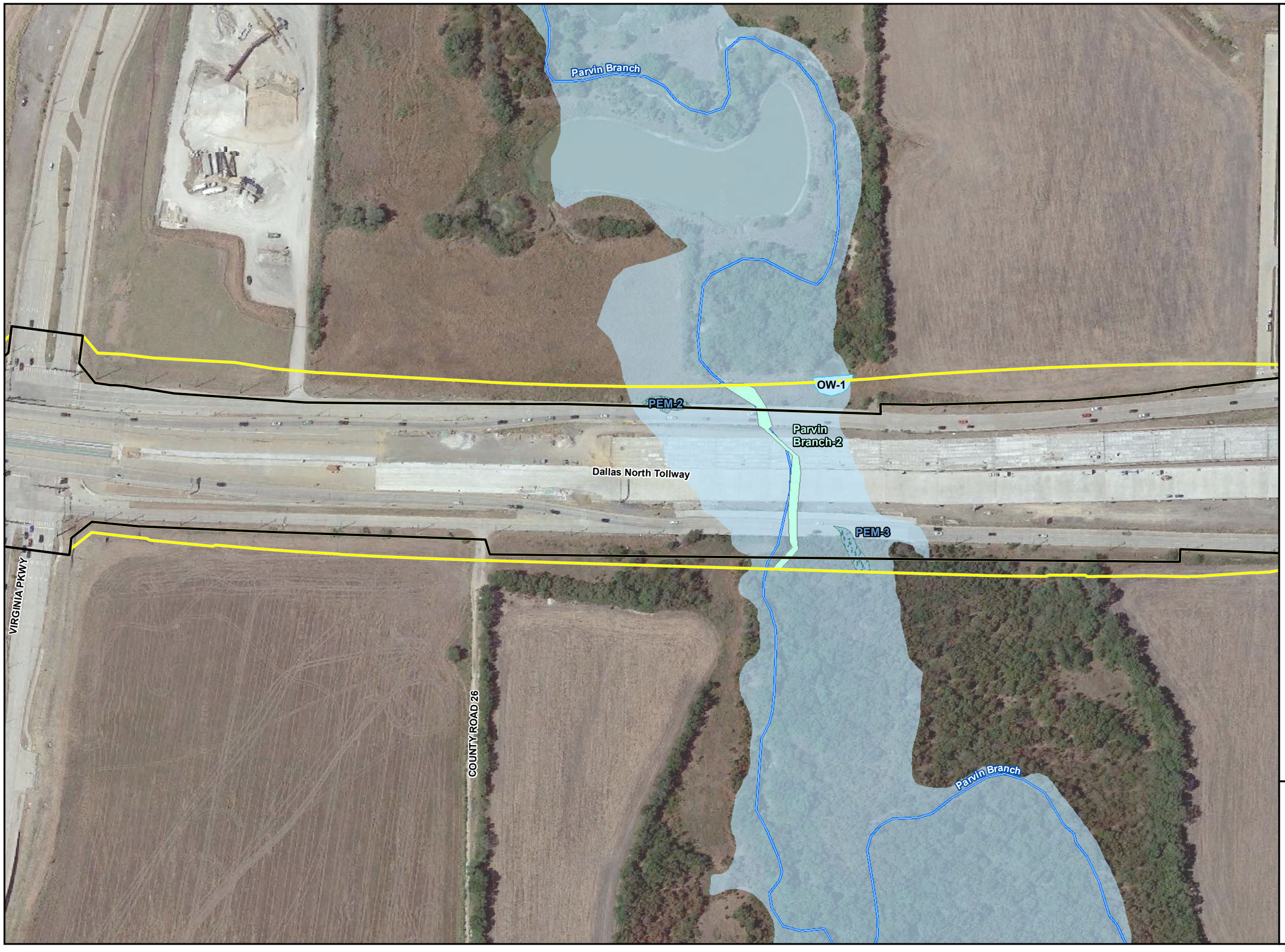
1 inch = 200 feet

Figure F-16

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068





Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

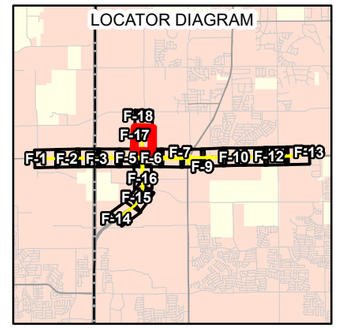
0 100 200
Feet

1 inch = 200 feet

Figure F-17

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

0 100 200
Feet

1 inch = 200 feet

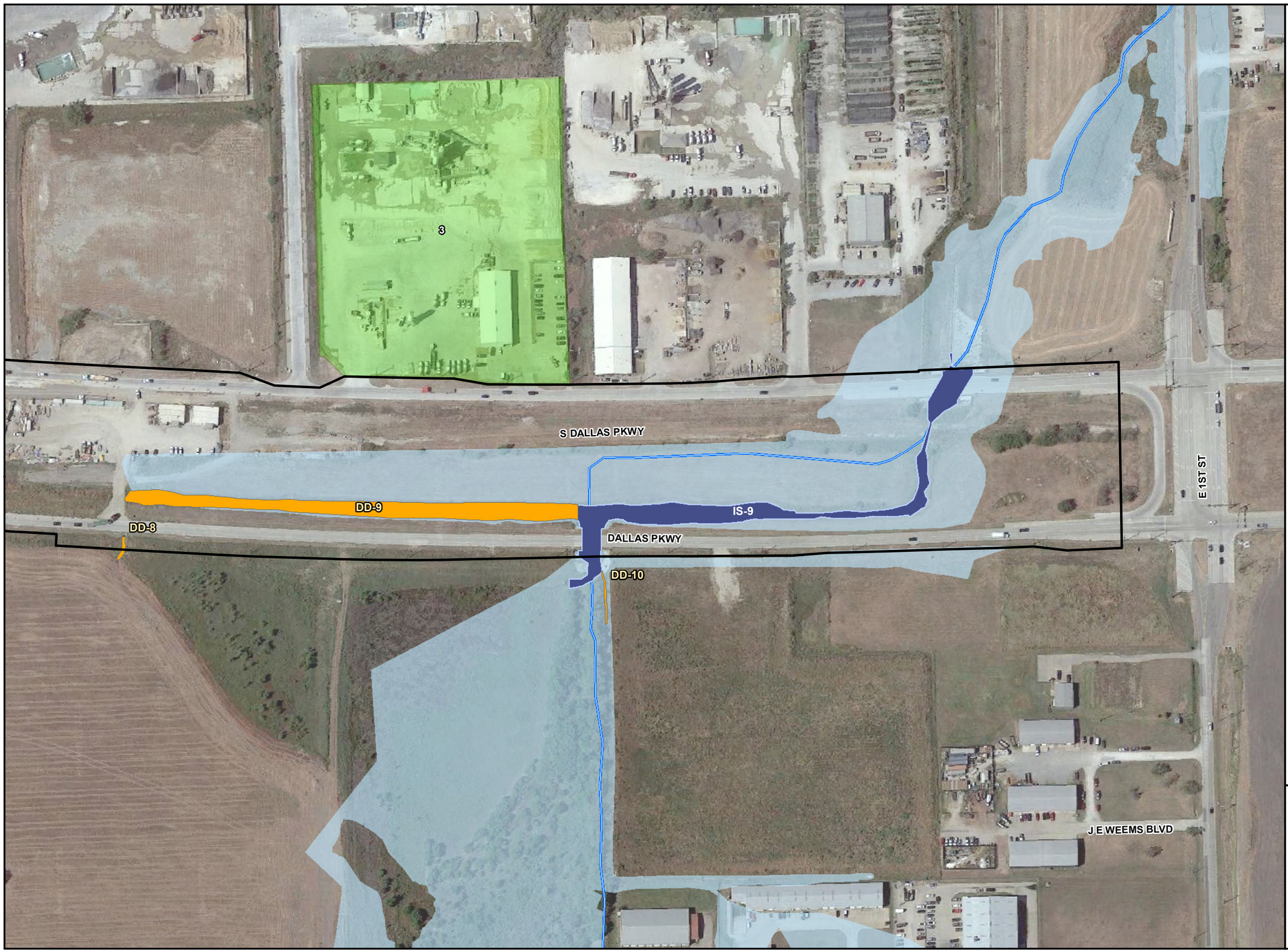
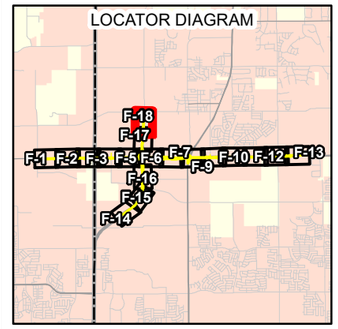


Figure F-18

US 380 Project Constraints

US 380 from Teel Pkwy/Championship Drive
to Lakewood Drive
Collin and Denton Counties, Texas
CSJs: 0135-11-024, 0135-10-065, & 0135-02-068



Key to Features

- Existing ROW
- Proposed ROW
- Drainage Easement
- Drainage Ditch
- Ephemeral Stream
- Intermittent Stream
- Open Water
- Open Water / Palustrine Emergent Wetland
- Palustrine Emergent Wetland
- Palustrine Forested Wetland
- Perennial Stream
- FEMA Floodplains (100-year)
- Cemetery
- Streams (NHD)
- Historic-age Features
- Non-impacted Noise Receptors
- Impacted Noise Receptors

Hazardous Materials Sites

- Low Potential
- Low Potential

N

0 100 200
Feet

1 inch = 200 feet

APPENDIX G

RESOURCE AGENCY COORDINATION

FW: CSJ 0135-11-024, etc. US 380 Prosper/Frisco Widening in Collin & Denton counties - request for collaborative review

1 message

Christine Polito <Christine.Polito@txdot.gov> Tue, Sep 27, 2022 at 9:32 AM
To: Jason Buntz <jbuntz@hicksenv.com>
Cc: Seung Yoo <Seung.Yoo@txdot.gov>, Dan Perge <Dan.Perge@txdot.gov>, "Barlow, Teresa" <Teresa.Barlow@jacobs.com>

FYI, TPWD collaborative review has been initiated.

From: Leslie Mirise <Leslie.Mirise@txdot.gov>
Sent: Tuesday, September 27, 2022 9:30 AM
To: WHAB_TxDOT <WHAB_TxDOT@tpwd.texas.gov>
Cc: Christine Polito <Christine.Polito@txdot.gov>; Dan Perge <Dan.Perge@txdot.gov>; Stirling Robertson <Stirling.Robertson@txdot.gov>
Subject: CSJ 0135-11-024, etc. US 380 Prosper/Frisco Widening in Collin & Denton counties - request for collaborative review

Hello,

TxDOT requests initial collaboration review for the US 380 Prosper/Frisco Widening project in Collin & Denton counties, Texas. Please see ECOS WPD I screen for the project description. The project extends along existing US 380 from Teel Pkwy/Championship Dr to West of Lakewood Dr. The following file names for relevant documents are available in ECOS:

1. APPROVED 01 0135-11-024, etc. US 380 Prosper SAS 20220808.pdf
2. APPROVED 02 0135-11-024, etc. US 380 Prosper SAF 20220808.pdf
3. APPROVED 03 0135-11-024, etc. US 380 Prosper BMP Form 20220808. pdf
4. APPROVED 04 0135-11-024, etc. US 380 Prosper TPWD RTEST accessed 20220712.pdf
5. APPROVED 05 0135-11-024, etc. US 380 Prosper TxNDD accessed 20220401.pdf
6. APPROVED 06 0135-11-024, etc. US 380 Prosper EMSTfigures 20220808.pdf
7. APPROVED 07 0135-11-024, etc. US 380 Prosper ObservedVegFigures 20220808.pdf
8. APPROVED 08 0135-11-024, etc. US 380 Prosper EMSTandObservedVegSpreadsheet 20220808.pdf
9. APPROVED 09 0135-11-024, etc. US 380 Prosper Photos 20220808.pdf
10. APPROVED 10 0135-11-024, etc. US 380 Prosper SuitableHabitatFreshwaterMussels_20220808.pdf
11. CSJ 0135-11-024, etc._US 380 Prosper_USFWS Species List_20220425.pdf
12. APPROVED 0135-11-024, etc. US 380 Draft 2 Surface Waters Analysis Form_9-09-22.pdf
13. APPROVED 0135-11-024, etc. US 380 Draft 2 Delineation Report_9.09.2022.pdf

As general timeline information, the Draft EA is expected to be published in late 2022, the public hearing is expected in January 2023, and environmental clearance in May 2023. Please feel free to contact me with any questions of it additional information is needed.

Thank you,

Leslie Mirise

Environmental Specialist

Dallas District – DAL-ENV

Texas Department of Transportation

4777 East Highway 80

Mesquite, Texas 75150

(214) 320-6162 office

(214) 320-4470 FAX

Form
Documentation of Texas Parks and Wildlife Department Best Management Practices

Project Name: **US 380 Prosper/Frisco Widening**

CSJ(s): **0135-11-024, 0135-10-065, 0135-02-068**

County(ies): **Collin, Denton**

Date Form Completed: **1/20/2023**

Prepared by: **Madison Torres, Hicks & Company**

Information on state-listed species, SGCN, water resources, and other natural resources can be found in the ECOS documents tab under the filenames specified in the e-mail sent to WHAB_TXDOT@tpwd.texas.gov.

1. Does the project impact any state parks, wildlife management areas, wildlife refuges, or other designated protected areas?

   ☒ No

   ☐ Yes

   N/A

2. Does TxDOT need TPWD assistance in identifying and locating Section 404 mitigation opportunities for this project?

   ☒ No / N/A / Not yet determined

   ☐ Yes

   N/A

3. Is there a species or resource challenge that TPWD can assist with additional guidance? If so, describe below:

   N/A

4. List all BMP that will be applied to this project per the document *Beneficial Management Practices: Avoiding, Minimizing, and Mitigating Impacts of Transportation Projects on State Natural Resources*.

***Note, these are BMP that TxDOT commits to implement at the time this form is completed. This list may change prior to or during construction based on changes to project impacts, design, etc.**

BMP to be Implemented:

- Minimize impacts to wetland habitats including isolated ephemeral pools.

Aquatic Amphibian and Reptile BMP:

- Minimize impacts to wetlands, temporary and permanent open water features, including depressions, and riverine habitats.
- Maintain the existing hydrologic regime and any connections between wetlands and other aquatic features.
- Use barrier fencing to direct animal movements away from construction activities and areas of potential wildlife-vehicle collisions in construction areas directly adjacent, or that may directly impact, potential habitat for the target species.
- Apply hydromulching and/or hydroseeding in areas for soil stabilization and/or revegetation of disturbed areas around wetlands and in riparian areas. If erosion control blankets or mats will be used, the product should not contain netting, but should only contain loosely woven natural fiber netting in which the mesh design allows the threads to move, therefore allowing expansion of the mesh openings. Plastic netting should be avoided.
- Project specific locations (PSLs) proposed within state-owned ROW should be located in uplands away from aquatic features.
- When work is directly adjacent to the water, minimize impacts to shoreline basking sites (e.g., downed trees, sand bars, exposed bedrock) and refugia/overwinter sites (e.g., brush and debris piles, crayfish burrows, aquatic logjams, and leaf packs).
- If gutters and curbs are part of the roadway design, install gutters that do not include the side box inlet and include sloped (i.e., mountable) curbs to allow small animals to leave roadway. If this modification to the entire curb system is not possible, install sections of sloped curb on either side of the storm water drain for several feet to allow small animals to leave the roadway. Priority areas for these design recommendations are those with nearby wetlands or other aquatic features.
- For sections of roadway adjacent to wetlands or other aquatic features, install wildlife barriers that prevent climbing. Barriers should terminate at culvert openings in order to funnel animals under the road. The barriers should be of the same length as the adjacent feature or 80 feet long in each direction, or whichever is the lesser of the two.
- For culvert extensions and culvert replacement/installation, incorporate measures to funnel animals toward culverts such as concrete wingwalls and barrier walls with overhangs.
- When riprap or other bank stabilization devices are necessary, their placement should not impede the movement of terrestrial or aquatic wildlife through the water feature. Biotechnical streambank stabilization methods using live native vegetation, or a combination of vegetative and structural materials should be used.

Terrestrial Amphibian and Reptile BMP:

- For open trenches and excavated pits, install escape ramps at an angle of less than 45 degrees (1:1) in areas left uncovered. Visually inspect excavation areas for trapped wildlife prior to backfilling.
- Avoid or minimize disturbing or removing cover objects, such as downed trees, rotting stumps, brush piles, and leaf litter. If avoidance or minimization is not practicable, consider removing cover objects prior to the start of the project and replace them at project completion.
- Examine heavy equipment stored on site before use, particularly after rain events when reptile and amphibian movements occur more often, to ensure use will not harm individuals that might be seeking temporary refuge.
- Due to increased activity (mating) of reptiles and amphibian during the spring, construction activities like clearing or grading should attempt to be scheduled outside of the spring (March-May) season. Also, timing ground disturbing activities before October when reptiles and amphibians become less active and may be using burrows in the project area is also encouraged.
- When designing roads with curbs, consider using Type I or Type III curbs to provide a gentle slope to enable turtles and small animals to get out of roadways.
- If Texas tortoises (*Gopherus berlandieri*) or box turtles (*Terrepene spp.*) are present in a project area, they should be removed from the area and relocated between 100 and 200 meters from the project area. After removal of the individuals, the area that will be disturbed during active construction and project specific locations should be fenced off to exclude reentry by turtles, tortoises, and other reptiles. The exclusion fence should be constructed and maintained as follows:
  - The exclusion fence should be constructed with metal flashing or drift fence material.
  - Rolled erosion control mesh material should not be used.
  - The exclusion fence should be buried at least 6 inches deep and be at least 24 inches high.
  - The exclusion fence should be maintained for the life of the project and only removed after the construction is completed and the disturbed site has been revegetated.
- After project is complete, revegetate disturbed areas with an appropriate locally sourced native seed mix. If erosion control blankets or mats will be used, the product should not contain netting, but should only contain loosely woven natural fiber netting in which the mesh design allows the threads to move, therefore allowing expansion of the mesh openings. Plastic netting should be avoided.

Water Quality BMP:

In addition to BMP required for a TCEQ Storm Water Pollution Prevention Plan and/or 401 Water Quality Certification:

- Minimize the use of equipment in streams and riparian areas during construction. When possible, equipment access should be from banks, bridge decks, or barges.
- When temporary stream crossings are unavoidable, remove stream crossings once they are no longer needed and stabilize banks and soils around the crossing.
- Wet-Bottomed detention ponds are recommended to benefit wildlife and downstream water quality. Consider potential wildlife-vehicle interactions when siting detention ponds.

- Rubbish found near bridges on TxDOT ROW should be removed and disposed of properly to minimize the risk of pollution. Rubbish does not include brush piles or snags.

Vegetation BMP:

- Minimize the amount of vegetation cleared. Removal of native vegetation, particularly mature native trees and shrubs should be avoided. Impacted vegetation should be replaced with in-kind onsite replacement/restoration of native vegetation.
- To minimize adverse effects, activities should be planned to preserve mature trees, particularly acorn, nut or berry producing varieties. These types of vegetation have high value to wildlife as food and cover.
- It is strongly recommended that trees greater than 12 inches in diameter at breast height (DBH) that are removed be replaced. TPWD's experience indicates that for ecologically effective replacement, a ratio of three trees for every one (3:1) lost should be provided to either on-site or off-site. Trees less than 12 inches DBH should be replaced at a 1:1 ratio.
- Replacement trees should be of equal or better wildlife quality than those removed and be regionally adapted native species.
- When trees are planted, a maintenance plan that ensures at least an 85 percent survival rate after three years should be developed for the replacement trees.
- The use of any non-native vegetation in landscaping and revegetation is discouraged. Locally adapted native species should be used.
- The use of seed mix that contains seeds from only regional ecotype native species is recommended.

Bird BMP:

In addition to complying with the Migratory Bird Treaty Act (MBTA) and Chapter 64 of the Parks and Wildlife Code (PWC) regarding nongame bird protections, perform the following BMP:

- Avoid vegetation clearing activities during the general bird nesting season, March through August, to minimize adverse impacts to birds.
- Prior to construction, perform daytime surveys for nests including under bridges and in culverts to determine if they are active before removal. Nests that are active should not be disturbed. If active nests are observed during surveys, TPWD recommends a 150-foot buffer of vegetation remain around the nests until the young have fledged or the nest is abandoned.
- Do not disturb, destroy, or remove active nests, including ground nesting birds, during the nesting season.
- If unoccupied, inactive nests will be removed, ensure that nests are not protected under the Endangered Species Act (ESA), MBTA, or BGEPA.
- Prevent the establishment of active nests during the nesting season on TxDOT owned and operated facilities and structures proposed for replacement or repair.
- Do not collect, capture, relocate, or transport birds, eggs, young, or active nests without a permit.
- Minimize extended human presence near nesting birds during construction and maintenance activities. Protect sensitive habitat areas with temporary barriers or fencing to limit human foot

traffic and off-road vehicle use to alert and discourage contractors from causing any unintentional impacts.

- Minimize construction noise above ambient levels during general bird nesting season to minimize adverse impacts on birds.
- Minimize construction lighting during the general bird nesting season by scheduling work activities between dawn and dusk.

General Design and Construction BMP:

- Employees and contractors will be provided information prior to start of construction to educate personnel of the potential for all state-listed threatened species or other SGCN to occur within the project area and should be advised of relevant rules and regulations to protect plants, fish, and wildlife.
- Contractors will be informed to avoid harming all wildlife species if encountered and allow them to safely leave the project site. Due diligence should be used to avoid killing or harming any wildlife species in the implementation of transportation projects.
- Direct animals away from the construction area with the judicious use and placement of sediment control fencing to exclude wildlife. Exclusion fence should be buried at least 6 inches and be at least 24 inches high, maintained for the life of the project, and removed after construction is completed. Contractors should examine the inside of the exclusion area daily to determine if any wildlife species have been trapped inside the area of impact and provide safe egress opportunities prior to initiation of construction activities.
- Apply hydromulching and/or hydroseeding in areas for soil stabilization and/or revegetation of disturbed areas around wetlands and in riparian areas.
- If erosion control blankets or mats will be used, the product should not contain netting, but should only contain loosely woven natural fiber netting in which the mesh design allows the threads to move, therefore allowing expansion of the mesh openings. Plastic netting should be avoided.
- Project staging areas, stockpiles, temporary construction easements, and other project related sites should be situated in previously disturbed areas to avoid or minimize impacts to sensitive or unique habitats including intact native vegetation, floodplains, riparian corridors, wetlands, playa lakes, and habitat for wildlife species.
- When lighting is added, consider wildlife impacts from light pollution and incorporating dark-sky practices into design strategies. Minimize sky glow by focusing light downward, with full cutoff luminaries to avoid light emitting above the horizontal. The minimum amount of night-time lighting needed for safety and security should be used.

Freshwater Mussel BMP:

- In addition to Water Quality and Stream Crossing BMP, follow the most recent, "*TPWD–TxDOT Annual Work Plan for Pre-Construction Surveys, Aquatic Resources Relocations, and Other Best Management Practices to Avoid, Minimize, and Mitigate Impacts to Freshwater Resources*."
- When work is adjacent to the water: Water Quality BMP implemented as part of the Texas Commission on Environmental Quality (TCEQ) Stormwater Pollution Prevention Plan (SWPPP)

for a construction general permit or any conditions of the 401 Water Quality Certification for the project will be implemented.

Stream Crossings BMP:

- Use spanning bridges rather than culverts.
- If using a culvert, staggered culverts that concentrate low flows but provide conveyance of higher flows through staggered culverts placed at higher elevations is recommended.
- Bottomless culverts are recommended to allow for fish and other aquatic wildlife passage in the low flow channel. If bottomless culverts are not used, making a low flow channel for fish passage is recommended.
- Avoid placing riprap across stream channels and instead use alternative stabilization such as biotechnical stream bank stabilization methods including live native vegetation or a combination of vegetative and structural materials. When riprap or other bank stabilization devices are necessary, their placement should not impede the movement of aquatic and terrestrial wildlife underneath the bridge. In some instances, rip rap may be buried, back-filled with topsoil and planted with native vegetation.
- Incorporate bat-friendly design into bridges and culverts.
- Design bridges for adequate vertical and horizontal clearances under the roadway to allow for terrestrial wildlife to safely pass under the road.
- A span wide enough to cross the stream and allow for dry ground and a natural surface path under the roadway is encouraged. For culverts, incorporation of an artificial ledge inside the culvert on one or both sides for use by terrestrial wildlife is recommended.
- Riparian buffer zones should remain undisturbed.

5. List all TxDOT species protection specifications that will be applied to this project (e.g., Amphibian and Reptile Exclusion Fence, Bat Houses, etc.)

Species protection specifications to be Implemented:

MEMO

September 26, 2022

TO: Administrative File
From: Rebekah Dobrasko

District: Dallas
County: Collin and Denton
CSJ#: 0135-11-024, etc.
Highway: US 380
Limits: From Teel Parkway/Championship Drive to Lakewood Drive
Let Date: June 2026

SUBJECT: Internal review under the Section 106 Programmatic Agreement (Section 106 PA) among the Texas Department of Transportation, Texas State Historic Preservation Officer, Advisory Council on Historic Preservation, and Federal Highway Administration; and the Memorandum of Understanding (MOU) between the Texas Historical Commission and the Texas Department of Transportation

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019, and executed by FHWA and TxDOT.

Project Description

See the attached project description from TxDOT's Environmental Compliance Oversight System (ECOS) that describes the project, setting, and amount of right-of-way (ROW) and easements necessary for the project.

Determination of Eligibility:

TxDOT historians reviewed the National Register of Historic Places (NRHP), the list of State Antiquities Landmarks (SAL), the list of Recorded Texas Historic Landmarks (RTHL), and TxDOT files and found no historically significant resources previously documented within the area of potential effects (APE). TxDOT defined the APE for this project as 150 feet from any existing and proposed new ROW and easements necessary for this project.

TxDOT historians performed a desktop survey and found 5 historic-age (built prior to 1981) properties within the project APE. The properties are mostly residual agricultural support buildings and one cemetery well outside of the APE for the project. TxDOT historians find the 5 identified historic-age properties **not eligible** for listing in the NRHP due to lack of significance or lack of integrity.

Determination of Effects:
Pursuant to Stipulation IX, Appendix 6 “Undertakings with the Potential to Cause Effects per 36 CFR 800.16(i)” of the Section 106 PA and the MOU, TxDOT historians determined there are no historic properties in the project APE, and therefore the project will not affect any historic properties. In compliance with the Antiquities Code of Texas and the MOU, TxDOT historians determined project activities have no potential for adverse effects. Individual project coordination with SHPO is not required.

Section Director DocuSigned by: Rebekah Dobrasko 0F414A49C0E44B3... for TxDOT 9/26/2022

Rebekah Dobrasko Date

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- WPD Section I - Project Definition
- WPD Section II - Tool
- WPD Section III - Project Work Plan
- WPD Section IV - Findings

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Project Definition

Project Name: 0135-11-024, etc. US 380 Prosper/Frisco Widening

CSJ: 0135 - 11 - 024

Anticipated Environmental Classification: EA

No — Is this an FHWA project that normally requires an EIS per 23 CFR 771.115(a)?

Project Association(s)

DCIS Project Funding and Location

Funding

DCIS Funding Type:

☐ Federal ☐ State ☐ Local ☐ Private

Location

DCIS Project Number:

Highway: US 380

District: DALLAS

County: COLLIN

Project Limit -- From: DENTON/COLLIN CL

Project Limit -- To: EAST OF SH 289

Begin Latitude: + 33 . 2193045

Begin Longitude: - 96 . 8385250

End Latitude: + 33 . 2186714

End Longitude: - 96 . 8013882

DCIS & P6 Letting Dates

DCIS Project Description

Jurisdiction

No — 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: 3 (Feet)

Maximum Depth of Impacts: 30 (Feet)

New ROW Required: 239.6 (Acres)

New Perm. Easement Required: 0 (Acres)

New Temp. Easement Required: 0 (Acres)

Project Description

Describe Limits of All Activities:

The project is proposing to reconstruct 5.9 miles of US 380 from Teel Parkway/Championship Drive to west of Lakewood Drive in Denton and Collin counties, Texas.

The existing right-of-way width is approximately 160 feet. The proposed right-of-way width is approximately 245 to 522 feet depending on location.

Along DNT, the limits would extend 1.9 miles to the north and 1.3 miles to the south to transition the direct connector roadways.

Along Preston Road, the limits would extend 400 feet to the north and 800 feet to the south.

Describe Project Setting:

The project area is suburban, with Frisco to the south, Prosper to the north, and McKinney to the east. Commercial development and undeveloped parcels exist along the majority of the corridor, with the residential subdivision of Prestwyck located adjacent to the project at the eastern end, south of US 380. Additional subdivision development and commercial and mixed-use properties are currently under construction, and future development plans are prevalent along the corridor. A PGA Championship golf course is being developed near the west end of the project, south of US 380.

Substantial traffic generators in the vicinity include schools, PGA headquarters (golf course, resort, and convention center), retail establishments and residential neighborhoods along the US 380 corridor, and through traffic using US 380 for travel to destinations east and west of the project area.

The undeveloped parcels are a mix of pasture and riparian areas along drainages.

There are several streams in the corridor, including Parvin Branch, which drains southwest toward Lewisville Lake outside the project area, and Rutherford Branch that drains east and into Lavon Lake, also outside the project area.

Describe Existing Facility:

The existing US 380 from Teel Parkway/Championship Drive to the Collin/Denton County line has four main lanes, a center left-turn lane, 10-foot-wide outside shoulders, and grass-lined drainage ditches. Sidewalks are discontinuous and only present where developers have included them. Between the Collin/Denton County line and SH 289/Preston Road the existing roadway is a six-lane divided roadway with a raised center median, two-foot wide inside and outside shoulders, and curb and gutter. Beginning just west of the intersection with the DNT, there are also discontinuous two-lane frontage roads until east of SH 289/Preston Road. From SH 289/Preston Road to Lakewood Drive, the existing US 380 is a six-lane divided roadway with a raised median, two-foot wide inside and outside shoulders, and curb and gutter. Several culverts carry existing cross drainage from northeast to southwest along the corridor. The existing right-of-way width is approximately 160 feet.

Describe Proposed Facility:

The proposed project would reconstruct 5.9 miles of US 380 from Teel Parkway/Championship Drive in Denton County to west of Lakewood Drive in Collin County. The proposed project involves the full reconstruction of the existing five-lane rural roadway in Denton County and six-lane urban roadway in Collin County to a six-lane divided highway with two to three-lane continuous frontage roads. In addition to adding lanes, the proposed design includes drainage improvements, ramps to provide accessibility, interchange improvements to meet safety and/or capacity requirements, and shared use paths along both sides of the corridor. The roadway passes through the cities of Frisco, Prosper and McKinney. The proposed ROW width varies from 245 feet wide to 522 feet wide with a typical ROW width of 336 feet.

From Teel Parkway/Championship Drive to the Collin/Denton County line the proposed project would consist of six 12-foot-wide main lanes divided by a depressed median with variable-width inside shoulders, and 10-foot-wide outside shoulders. Two to three-lane continuous frontage roads with curb and gutter would be present in both directions with an adjacent 10-foot-wide shared use path. The proposed ROW would range from 245 feet to 324 feet wide.

Between the Collin/Denton County line and SH 289/Preston Road the proposed roadway would consist of six 12-foot-wide main lanes divided by a depressed median with 10-12-foot wide inside shoulders and 10-foot-wide outside shoulders. Two to three-lane continuous frontage roads with curb and gutter would be present in both directions with an adjacent 10-foot-wide shared use path. Direct

Yes Would the project add capacity?

Transportation Planning

Environmental Clearance Information

Project Contacts

Last Updated By: System Admin

Last Updated Date: 08/08/2022 07:13:51

Texas Department of Transportation
125 EAST 11TH STREET, AUSTIN, TEXAS 78701-2483 | 512.463.8588 | WWW.TXDOT.GOV

November 8, 2022

RE: CSJ: 0135-11-024; US 380 Prosper/Frisco Widening, Convert Non-Freeway to Freeway, Collin County, Dallas District; Section 106 Consultation and Antiquities Code Coordination; Texas Antiquities Permit No. 30767

Mr. Mark Wolfe
Texas Historical Commission
P.O. Box 12276
Austin, Texas 78711

Dear Mr. Wolfe:

As required by the Programmatic Agreement and the Memorandum of Understanding with your agency, we are initiating consultation on this project. Environmental studies are in the process of being conducted for this project. The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019 and executed by FHWA and TxDOT. We have enclosed for your review a draft report of archeological investigations for this undertaking.

Undertaking Description

The proposed project will be undertaken with federal funds and will occur in part or in whole on non-federal public lands. TxDOT is proposing to reconstruct 5.9 miles of US 380 from Teel Parkway/Championship Drive to west of Lakewood Drive in Denton and Collin counties. The proposed project involves the full reconstruction of the existing five-lane rural roadway in Denton County and six-lane urban roadway in Collin County to a six-lane divided highway with two- to three-lane continuous frontage roads. In addition to adding lanes, the proposed design includes drainage improvements, ramps to provide accessibility, interchange improvements to meet safety and/or capacity requirements, and shared use paths along both sides of the corridor.

Area of Potential Effects

The project's area of potential effects (APE) comprises the following area.

- The project limits extend from the Denton/Collin County Line to East of SH 289 along US 380. The total project length is thus 3.2 miles, and the APE includes any existing ROW within these limits.

- The existing ROW comprises approximately 302.4 acres.
- The proposed project would require 239.6 acres of new right of way.
- The proposed project would require 0 acres of new easements.
- The proposed project would require 0 acres of additional project specific locations and/or utility installations specified by the project sponsor.
- The estimated depth of impacts is typically 3 feet with a maximum depth of impacts of 30 feet.
- The APE is further detailed and illustrated in the attached report.

Identification Efforts

For this project, TxDOT has conducted a survey. The enclosed report of investigations has more details regarding this work. The following bullets summarize the identification efforts.

- The investigations reported here concern the entire APE.
- Archeologists undertook a survey. For this survey,
    - 0 acres had been previously surveyed or otherwise evaluated for this project;
    - 392 acres were identified as not requiring field survey, due to existing conditions of the setting identified through background research and described in the attached report;
    - 103 acres were surveyed and described in the attached report;
    - 47 acres still require survey due to access issues;
    - previous investigation within the APE identified no archeological sites; and
    - the current survey identified 41COL365 and 41COL366.
- Identified archeological sites that are not eligible for inclusion in the National Register of Historic Places and/or that do not warrant formal designation as State Antiquities Landmarks include: 41COL365 and 41COL366 due to a lack of integrity and lack of potential to yield further research data.

Effects Determination

The proposed project would have direct effects resulting from ground-disturbing construction activities within the APE. Given the results of the identification efforts, TxDOT proposes that the project will have no effect on archeological historic properties as the APE does not contain sites that are eligible for inclusion in the National Register of Historic Places or that warrant formal designation as State Antiquities Landmarks. The next section identifies the steps recommended by TxDOT based on the results of the identification efforts and this effects analysis.

Recommendations

TxDOT seeks your concurrence on the following points:

- The identification efforts and analysis of effects completed to date are adequate.

- No further work or consultation is required within the evaluated portions of the APE. Once access is obtained to areas for which access has been denied, TxDOT will complete required investigations and consultation prior to construction.
- The attached draft report meets the reporting requirements of the Texas Antiquities Permit issued for the investigation.

Thank you for your consideration of this matter. If you have any questions or have need of further information, please contact me at 512-924-7418.

Sincerely,

Jennifer B. Anderson

Jennifer B. Anderson
Archeological Studies Branch
Environmental Affairs Division

Cc w/o attachments: ECOS Scan

Subject: Section 106 Submission

noreply@thc.state.tx.us <noreply@thc.state.tx.us>
to Scott Pletka, reviews@thc.state.tx.us

Sun, Nov 27, 2:35 PM

TEXAS HISTORICAL COMMISSION
real places telling real stories

Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas
THC Tracking #202302195
Date: 11/27/2022
013511024 US 380 (Permit 30767)
US 380 at Championship Dr
Prosper,TX 75078

Description: TxDOT proposes improvements to US 380. The submitted report is the draft archeological survey report for the accessible portions of this project.

Dear TxDOT Staff:
Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act and the Antiquities Code of Texas.

The review staff, led by Bill Martin, has completed its review and has made the following determinations based on the information submitted for review:

Archeology Comments

- No historic properties affected. However, if cultural materials are encountered during construction or disturbance activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.
- THC/SHPO concurs with information provided.
- Property/properties are not eligible for listing in the National Register of Historic Places.
- This draft report is acceptable. To facilitate review and make project information and final reports available through the Texas Archeological Sites Atlas, we appreciate submission of tagged pdf copies of the final report including one restricted version with all site location information (if applicable), and one public version with all site location information redacted; an online abstract form submitted via the abstract tab on eTRAC; and survey area shapefiles submitted via the shapefile tab on eTRAC. For questions on how to submit these please visit our video training series at: https://www.youtube.com/playlist?list=PLONbbv2pt4cog5t6mCqZVaEAx3d0MkgQC Please note that these steps are required for projects conducted under a Texas Antiquities Permit.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If the project changes, or if new historic properties are found, please contact the review staff. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: bill.martin@thc.texas.gov.

This response has been sent through the electronic THC review and compliance system (eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit http://thc.texas.gov/etrac-system.

Sincerely,

for Mark Wolfe, State Historic Preservation Officer
Executive Director, Texas Historical Commission

Please do not respond to this email.

COMANCHE NATION

Texas Department of Transportation
Attn: Ms. Jennifer Anderson
118 E. Riverside
Texas 78704

December 1, 2022

Re: TXDOT Sec. 106 Consultation Request – CSJ-0135-11-024- US 380
Prosper-Frisco Widening, Collin County-Dallas District

Dear Ms. Anderson,

In response to your request, the above reference project has been reviewed by staff of this office to identify areas that may potentially contain prehistoric or historic archeological materials. The location of your project has been cross referenced with the Comanche Nation site files, where an indication of ***"No Properties"*** have been identified. (IAW 36 CFR 800.4(d)(1)).

Please contact this office at (580) 492-1153) if you require additional information on this project.

This review is performed in order to identify and preserve the Comanche Nation and State cultural heritage, in conjunction with the State Historic Preservation Office.

Regards

Comanche Nation Historic Preservation Office
Theodore E. Villicana , Technician
#6 SW "D" Avenue, Suite C
Lawton, OK. 73502

Consult Response delayed due to Covid-19 work conditions.