

ENVIRONMENTAL CLEARANCE PROJECT DESCRIPTION

TYPICAL DEPTH OF IMPACTS: 3 FEET

MAXIMUM DEPTH OF IMPACTS: 8 FEET

NEW ROW REQUIRED: 22.26 ACRES

NEW PERM. EASEMENT REQUIRED: 0.24 ACRES

NEW TEMP. EASEMENT REQUIRED: 0 ACRES

DESCRIBE LIMITS OF ALL ACTIVITIES

The proposed project would extend along Farm-to-Market (FM) 1641 for a total of approximately 5.4 miles from FM 548 in Forney, Texas to FM 148 in Talty, Texas. The project also extends along FM 548 for approximately 0.2 mile from eastbound United States Highway (US) 80 frontage road to the FM 548/FM 1641 intersection. The total project length is approximately 5.6 miles.

The existing FM 1641 right-of-way (ROW) is typically 90 feet wide. The existing FM 548 ROW is approximately 130-140 feet wide.

The Build Alternative would require the acquisition of proposed ROW along FM 548 and FM 1641 along the length of the proposed project. The proposed ROW width varies from a minimum of 120 feet to a maximum of 155 feet.

The existing ROW is approximately 65.53 acres, and there are 2.35 acres of existing drainage easements. The proposed project would require approximately 22.26 acres of new ROW and approximately 0.24 acres of new permanent drainage easements. No relocations or displacements are anticipated.

Under the No-Build Alternative, no additional ROW would be required.

Project location maps on road, topographic, and aerial bases have been uploaded: 1217-01-019, etc. FM 1641 Project Location Maps.pdf

DESCRIBE PROJECT SETTING:

The project setting is generally suburban.

Developed and undeveloped lands are present within the proposed project area. Developed land includes single-family residences, retail, commercial, public facilities, and places of worship. These properties contain structures consisting of homes, farm buildings, commercial and retail structures, storage buildings/structures, churches, and other structures. Undeveloped lands comprise vacant (not

utilized), agriculture (ranch and pasture), woodlands, fence row vegetation, streams, and ponds. Active agricultural lands exist adjacent to the proposed project.

The area within the project limits is urban closer to US 80 and transitions to a more rural setting east toward Talty. Schools, day care centers, and churches are located adjacent to the proposed project.

The large amount of newly built high density residential neighborhoods and subsequent service establishments are generating substantial traffic increases.

There are eight stream crossings within the proposed project limits. These streams consist of two tributaries to Mustang Creek, Buffalo Creek, four tributaries to Buffalo Creek and one tributary to Big Brushy Creek. There are floodplains and potential wetland areas associated with some of these stream crossings within the proposed project area.

Vegetation in the project vicinity consists primarily of maintained urban grasses and landscaping, and agricultural (crops). Some woodland and mixed scrub areas are present near streams.

DESCRIBE EXISTING FACILITY:

The existing section of FM 548 from US 80 to FM 1641 in Kaufman County consists of two 12-foot wide northbound and two 12-foot southbound travel lanes, with 10-foot wide left and right turn bays along this section, a raised median and no shoulders. FM 548 is bisected by the Union Pacific railroad tracks near FM 688 (E. Broad Street). The existing ROW is 130-140 feet wide in this area.

The existing section of FM 1641 from FM 548 to FM 148 in Kaufman County consists of a 2-lane undivided roadway with 11 foot wide travel lanes in each direction, with no median and 3-foot wide shoulders. There are two existing bridges over FM 1641 where I-20 crosses. The facility is intersected by four major collectors, including I-20, FM 548, E. Broad Street, E. US 80, and other minor collectors and local roads. There are right and left-turn lanes present at key intersections and school entrances. Existing ROW is typically 90 feet wide, with minimum and maximum ROW width ranging from 90 to 140 feet.

Existing access is at grade.

Existing posted speed limits are 35 mph at school zones, and 40 to 55 mph in other sections of the corridor.

Drainage along/parallel to the proposed project primarily flows south within drainage ditches on both sides of the roadway.

Under the No-Build Alternative, there would be no changes to the existing facility.

Existing typical sections have been uploaded: 1217-01-019, etc. FM 1641 Typical Sections.pdf

DESCRIBE PROPOSED FACILITY:

Within the project limits, FM 548 from US 80 to FM 1641 and FM 1641 from FM 548 to IH 20 would be widened and reconstructed from a 2-lane rural roadway to an 4-lane (ultimate 6-lane) urban divided roadway with turn lanes. FM 1641 from IH 20 to FM 148, in Talty Texas, will be widened and reconstructed from a 2-lane rural roadway to a 4-lane divided urban roadway with a 20-foot flush median along the entire length of this portion of the project.

The proposed interim project from US 80 to IH 20 will consist of a 14-foot wide outside shared use lane, a 12-foot wide travel lane, 2-foot offsets to the face of curb, a 6-foot wide sidewalk, and a 42-foot wide raised median. This portion of the corridor would include left and right turn bays throughout which will be 10-foot wide and would be located at various intersections along FM 1641. FM 1641 from IH 20 to FM 148 will consist of a 14-foot wide outside shared use lane, a 12-foot wide inside travel lane, 2-foot offset on the outside lane and a 20-foot wide flush median. The proposed ROW width would range from a minimum of 120 feet width to a maximum of approximately 155 feet in width.

The ultimate roadway from US 80 to IH 20 will consist of a 6-lane divided urban roadway which is configured with a 14-foot wide outside shared use lane in each direction, two 12-foot wide travel lanes in each direction, 2-foot offsets, a raised 18-foot wide median, left and right turn bay throughout, and a 6-foot wide sidewalk to accommodate pedestrians in each direction. FM 1641 from IH 20 to FM 148, in Talty, Texas, will have the same pavement section as before.

Approximately 23.87 acres of new ROW and 1.61 acres of permanent drainage easements would be required to accommodate the proposed improvements. The proposed easements would be located at strategic stream crossing areas.

Proposed roadway access would be non-controlled. Proposed drainage would be curb and gutter.

Under the No-Build Alternative, the proposed project would not be constructed. It would not increase capacity and would not create a shared-use path to accommodate bicycles and pedestrians. There would be no proposed ROW or easements required.

Proposed typical sections have been uploaded: 1217-01-019, etc. FM 1641 Typical Sections.pdf

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- [WPD Section IV - Findings](#)



[Archived WPD I](#)

Project Definition

Project Name:

CSJ: - -

Type:

Anticipated Environmental Classification:

Criterion:

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

Project Association(s)

Manually Associate CSJ:

CSJ	DCIS Funding	DCIS Number	Env Classification	DCIS Classification	Main or Associate	Doc Tracked In	Actions
CSJ:258801020	Federal,State		EA	WNF	Associate	Main	

DCIS Project Funding and Location

Funding

DCIS Funding Type:

Federal State Local Private

Location

DCIS Project Number: Highway:
 District: County:
 Project Limit -- From:
 Project Limit -- To:
 Begin Latitude: + . Begin Longitude: - .
 End Latitude: + . End Longitude: - .

DCIS & P6 Letting Dates

DCIS District: DCIS Approved: DCIS Actual:
 P6 Ready To Let: P6 Proposed Letting:

DCIS Project Description

Type of Work:

Layman's Description:

DCIS Project Classification:

Design Standard:

Roadway Functional Classification:

Jurisdiction

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

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

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

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

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

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

USACE IBWC USCG NPS IAJR Other

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

 Environmental Clearance Project Description

Project Area

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

New ROW Required: (Acres)

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

Project Description
Describe Limits of All Activities:

The proposed project would extend along Farm-to-Market (FM) 1641 for a total of approximately 5.4 miles from FM 548 in Forney, Texas to FM 148 in Talty, Texas. The project also extends along FM 548 for approximately 0.2 mile from eastbound United States Highway (US) 80 frontage road to the FM 548/FM 1641 intersection. The total project length is approximately 5.6 miles.

The existing FM 1641 right-of-way (ROW) is typically 90 feet wide. The existing FM 548 ROW is approximately 130-140 feet wide.

The Build Alternative would require the acquisition of proposed ROW along FM 548 and FM 1641 along the length of the proposed project. The proposed ROW width varies from a minimum of 120 feet to a maximum of 155 feet.

The existing ROW is approximately 65.53 acres, and there are 2.35 acres of existing drainage easements. The proposed project would require approximately 22.26 acres of new ROW and approximately 0.24 acres of new permanent drainage easements. No relocations or displacements are anticipated.

Under the No-Build Alternative, no additional ROW would be required.

Project location maps on road, topographic, and aerial bases have been uploaded: 1217-01-019, etc.

Describe Project Setting:

The project setting is generally suburban.

Developed and undeveloped lands are present within the proposed project area. Developed land includes single-family residences, retail, commercial, public facilities, and places of worship. These properties contain structures consisting of homes, farm buildings, commercial and retail structures, storage buildings/structures, churches, and other structures. Undeveloped lands comprise vacant (not utilized), agriculture (ranch and pasture), woodlands, fence row vegetation, streams, and ponds. Active agricultural lands exist adjacent to the proposed project.

The area within the project limits is urban closer to US 80 and transitions to a more rural setting east toward Talty. Schools, day care centers, and churches are located adjacent to the proposed project.

The large amount of newly built high density residential neighborhoods and subsequent service establishments are generating substantial traffic increases.

There are eight stream crossings within the proposed project limits. These streams consist of two tributaries to Mustang Creek, Buffalo Creek, four tributaries to Buffalo Creek and one tributary to Big Brushy Creek. There are floodplains and potential wetland areas associated with some of these stream crossings within the proposed project area.

Vegetation in the project vicinity consists primarily of maintained urban grasses and landscaping, and agricultural (crops). Some woodland and mixed scrub areas are present near streams.

Describe Existing Facility:

The existing section of FM 548 from US 80 to FM 1641 in Kaufman County consists of two 12-foot wide northbound and two 12-foot southbound travel lanes, with 10-foot wide left and right turn bays along this section, a raised median and no shoulders. FM 548 is bisected by the Union Pacific railroad tracks near FM 688 (E. Broad Street). The existing ROW is 130-140 feet wide in this area.

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Drainage along/parallel to the proposed project primarily flows south within drainage ditches on both sides of the roadway.

Describe Proposed Facility:

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Would the project add capacity?

Transportation Planning

Is the project within an MPO's boundaries?

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

The project is located in area.

This status applies to:

- CO - Carbon Monoxide
- PM10 - Particulate

- O3 - Ozone
- PM2.5 - Particulate

- NO2 - Nitrogen Dioxide

Environmental Clearance Information

Environmental Clearance Date:

Environmental LOA Date:

Closed Date:

Archived Date:

Approved Environmental Classification:

Project Contacts

Created By:

Date Created:

Project Sponsor: TXDOT (Or) Local Government

Sponsor Point Of Contact:

Delegate Point Of Contact:

Other Point of Contact(s):

Last Updated By: System Admin

Last Updated Date: 03/20/2020 07:10:37

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Work Plan Development

Air Quality

Conformity

Does the project involve ALL of the following conditions?

1. Is either an FHWA project, or a non-FHWA project considered regionally significant by the MPO
2. Is located in a nonattainment or maintenance area for Ozone, CO, NO₂, PM₁₀, or PM_{2.5}
3. Is not an exempt project type as identified in 40 CFR 93.126, 40 CFR 93.128 or 40 CFR 93.127(excluding City of El Paso)

HotSpot

Does the project involve ALL of the following conditions?

1. Is an FHWA project
2. Is located in a nonattainment or maintenance area for CO, PM₁₀, or PM_{2.5}
3. Is not an exempt project type as identified in 40 CFR 93.126 or 40 CFR 93.128

Congestion Management Process

Does the project involve ALL of the following conditions?

1. Is an FHWA project
2. Is located in a nonattainment area for Ozone or CO
3. Adds single occupancy vehicle(SOV) capacity or constructs a highway on new location

Mobile Source Air Toxics

Is the project an EA or EIS and involves ANY of the following conditions?

- - Adds capacity or constructs a highway on new location
- - Potentially affects a major intermodal facility/port located in proximity to a populated area

CO Traffic Air Quality Analysis

Does the project involve ALL of following conditions?

1. adds capacity or constructs a highway on new location
2. projected to have an annual average daily traffic (AADT) over 140,000 vehicles per day (vpd) twenty years after the project is open to traffic

Hazardous Materials

Does the project involve ANY of the following activities?

- - Work outside the existing ROW
- - Demolition or renovation of a bridge
- - Substantial excavation including, but not necessarily limited to:
 - . underpass construction
 - . storm sewer installations
 - . trenching or tunneling that would require temporary or permanent shoring

Noise

Is the project a Type 1 Project as defined by 23 CFR 772.5 ?

Community Impacts

Does the project involve ANY of the following conditions?

- - Displacements of any kind
- - Permanent increase in travel times to community facilities, businesses, or homes (except for projects that construct a new or extend an existing raised median or median barrier - see bullet below)
- - Permanent elimination of driveway connections to/from community facilities, businesses, or homes
- - Permanent impediment to use of non-automobile modes of travel
- - Constructs a highway on new location
- - Creates a new bypass or reliever route
- - Upgrades a non-freeway facility to a freeway facility
- - Adds toll lanes
- - Expansion of the roadway pavement by the width of one vehicle lane or more
- - Creates a new grade separation
- - Constructs a new or extends an existing raised median or median barrier in front of a school OR with a section longer than 3 miles without a break or crossover

Public Involvement

Does the project involve ANY of the following conditions?

- - EIS classification

- - EA classification
- - substantial public interest or controversy
- - substantial adverse impact on any abutting real property
- - a highway project subject to Transportation Code, Section 203.021
- - substantially changes the layout or function of a connecting roadway or an existing facility, including the addition of managed lanes, high-occupancy vehicle lanes, bicycle lanes, bus lanes, and transit lanes
- - adds capacity
- - constructs a highway on new location
- - right-of-way acquisition, permanent easement(s), or temporary construction easement(s)

Water Resources

Surface Water

Yes Does the project area contain ANY water body or wetland?

TCEQ Edwards Aquifer

No Is any part of the project located within the TCEQ Edwards Aquifer Contributing, Recharge, or Transition zones?

EPA Edwards Aquifer

No Is the project an EA or EIS and involves ALL of the following conditions?

1. Is an FHWA project
2. Located within the EPA's Edwards Aquifer I or II Streamflow Source Area or Recharge Zone (sole source review area)
3. Is one of the four types of projects for which an EIS is normally required according to 23 CFR 771.115(a)

National Wild and Scenic River

No Is this an FHWA project that involves construction activities in, across, or adjacent to a river component designated or proposed for inclusion in the National System of Wild and Scenic Rivers?

International Boundary Water Commission

No Does the project cross or encroach upon the floodway of an International Boundary Water Commission (IBWC) right-of-way or an IBWC flood control project?

Texas Coastal Management Plan

No Is the project within the boundary applicable to the Texas Coastal Management Program (TCMP)?

Coastal Barrier Resources

No Is this a federally funded project located within a designated Coastal Barrier Resources Act (CBRA) map unit?

No Is the project within an otherwise protected area (OPA) with a "P" designation?

Biological Resources

Marine Mammal

No Is the project located WITHIN or OVER tidally influenced waters?

Essential Fish Habitat

No Is this an FHWA project located WITHIN essential fish habitat (EFH)?

Farmland

Yes Is this an FHWA project that requires new permanent easements or ROW?

No Are the entire project limits contained within either of the following:

- - land already in or committed to urban development or water storage, as defined at 7 CFR 658.2
- - a non-urbanized area that does not contain any prime, unique, statewide important, or locally important farmland as mapped by the Natural Resources Conservation Service (NRCS) Web Soil Survey

Cultural Resources

Historical Studies

No Are ALL project activities listed on the "List of Projects that Do Not Require Review or Coordination for Non-Archeological Historic Property Compliance"?

Archeology

No Are ALL project activities listed on the "List of Projects that Do Not Require Review or Coordination for Archeological Compliance"?

Cemeteries

No Are cemeteries expected to be present within or adjacent to the project?

No Would the pavement be extended to within 15 feet of the existing ROW boundary adjacent to the cemetery?

No Would ANY other project construction directly affect any known burials?

Protected Lands

Section 4(f) (non-historic)

No Do ANY parks, recreation areas, and/or wildlife or waterfowl refuges occur in or adjacent to the project area?

Section 6(f)

No Does the project involve ANY of the following with respect to any Section 6(f) property?

- - Acquisition of ROW from the property

- - Permanent easement on the property
- - On-site construction that converts the use of the property

Chapter 26

No Does the project involve ANY of the following with respect to any property protected by Parks and Wildlife Code, Chapter 26?

- - Acquisition of ROW from the property
- - Permanent easement on the property
- - On-site construction that converts the use of the property

WPD Section I - Project Definition

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[Archived WPD IV](#) [Print this Page](#)**Applicable Project Findings Summary****Air****CO Traffic Air Quality Analysis**

A carbon monoxide traffic air quality analysis (CO TAQA) is not required.

Construction Emissions

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.

Hot Spot

The project does not require or is exempt from requirements for project level hot spot analysis.

Mobile Source Air Toxics

A mobile source air toxics (MSAT) analysis is not required. However, if public concerns subsequently identify air quality concerns then the need for a MSAT analysis should be initiated at that time.

Water**Coastal Barrier Resources**

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

EPA Edwards Aquifer

The EPA Edwards Aquifer MOU does not apply.

International Boundary Water Commission

The project does not cross or encroach upon the floodway of the International Boundary and Water Commission (IBWC) right-of-way or an IBWC flood control project.

TCEQ Edwards Aquifer

The TCEQ Edwards Aquifer Rules do not apply.

Texas Coastal Management Plan

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

Wild and Scenic Rivers

The Wild and Scenic River Act (WSRA) does not apply.

Biology**Essential Fish Habitat**

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

Marine Mammal

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

Cultural Resources**Cemeteries**

No further scoping and studies are required to specifically evaluate potential project impacts to cemeteries. If other required studies subsequently identify unknown or abandoned cemeteries within or adjacent to the project ROW or easements, additional investigations and coordination regarding potential project effects to the cemeteries should be initiated at that time.

Protected Lands**Chapter 26**

The project does not result in any take or use of property covered by Parks and Wildlife Code, Chapter 26.

Section 4(f)

The project does not have a use of any Section 4(f) publicly owned parks, recreation areas, or wildlife and waterfowl refuges.

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The project does not have a use of any Section 4(f) publicly owned parks, recreation areas, or wildlife and waterfowl refuges.

Section-6(f)

The project does not have the potential to impact a Section 6(f) property.