

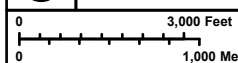
### Map Sheet Overview

SH 146 from Fairmont to Red Bluff

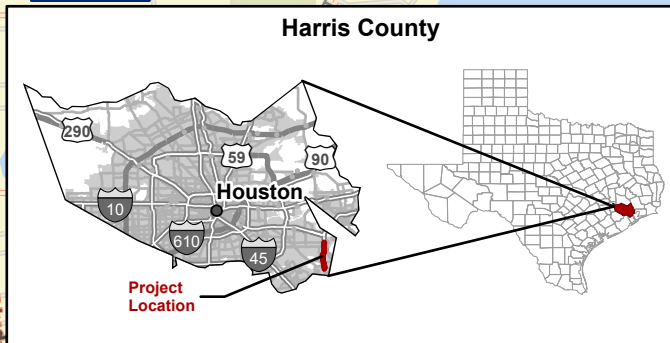
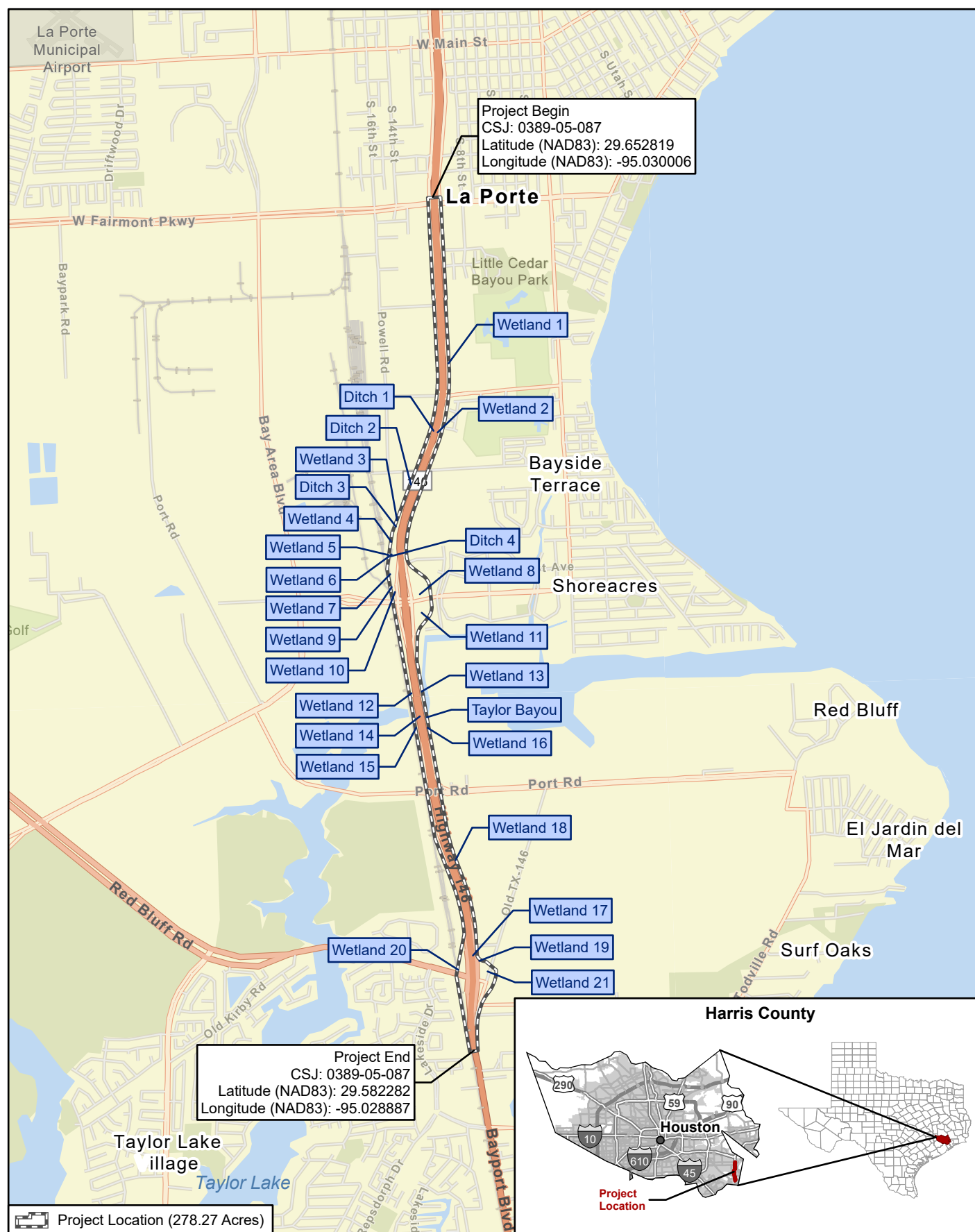
Data Sources:  
CMEC (2020), TxDOT (2019)



CSJ: 0389-05-087



1 in = 3,500 feet  
Scale: 1:42,000  
Date: 12/28/2022



Project Location (278.27 Acres)

# Sheet 1 of 33 Project Location (Road Base)

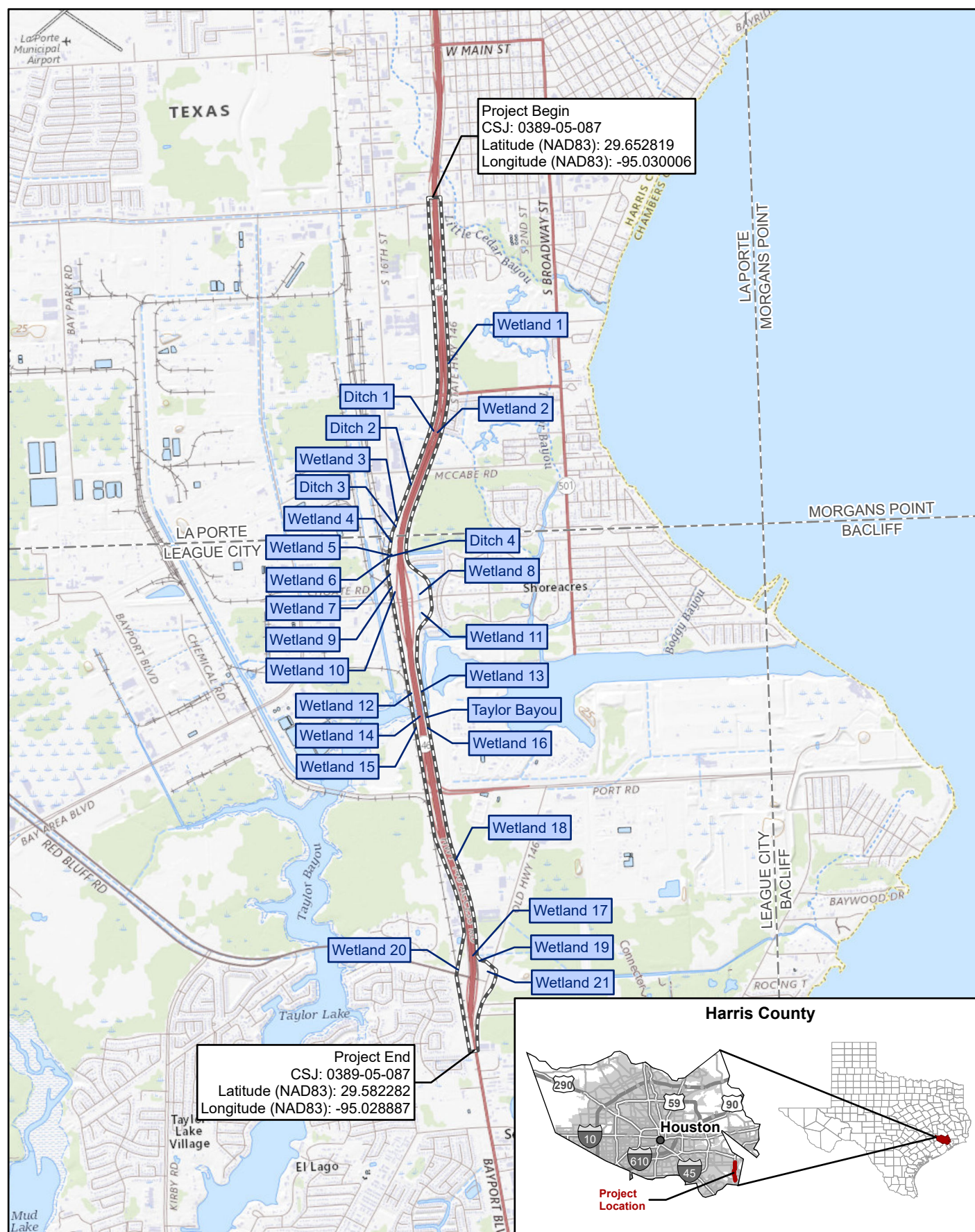
SH 146 from Fairmont to Red Bluff

Basemap Source: Esri (2021)

	CSJ: 0389-05-087	
	0 4,000 Feet	1 in = 4,000 feet
	0 1,200 Meters	Scale: 1:48,000 Date: 11/3/2021

Path: G:\Projects\TXDOT\_HOU\SH146 Fairmont to RedBluff\SH146 Fairmont RedBluff Pro PCN.aprx - SH146 PCN Sheet 1 Project Location Road 20211008 BMJ

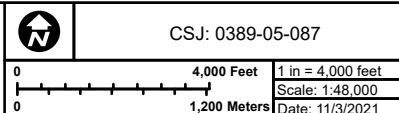




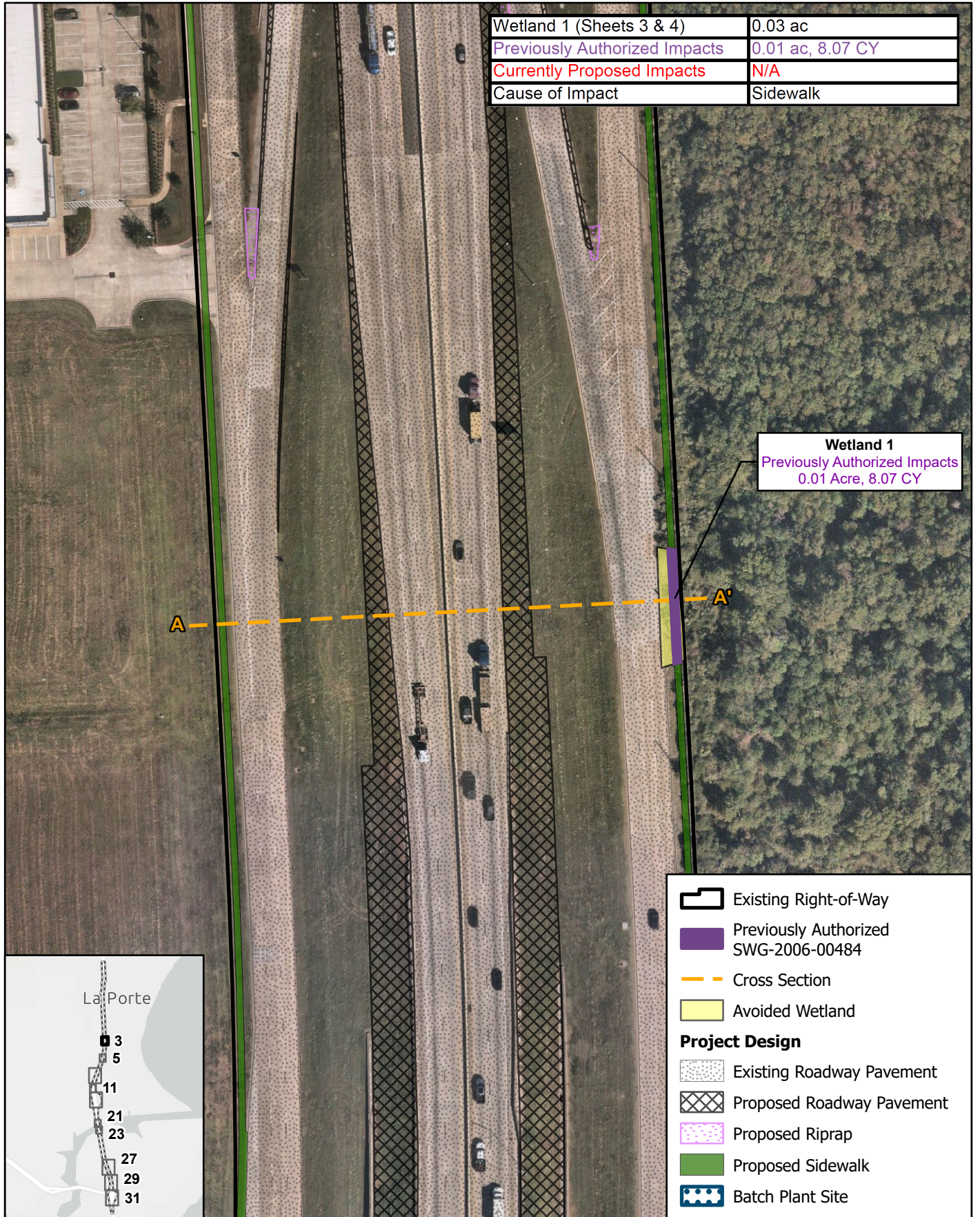
**Sheet 2 of 33**  
**Project Location (Topographic Base)**

SH 146 from Fairmont to Red Bluff

Topographic Source: USGS (2021)  
USGS 7.5' quadrangle: La Porte, League City,  
Morgan's Point, Baccliff



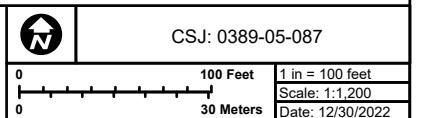




Sheet 3 of 33  
Crossing 1

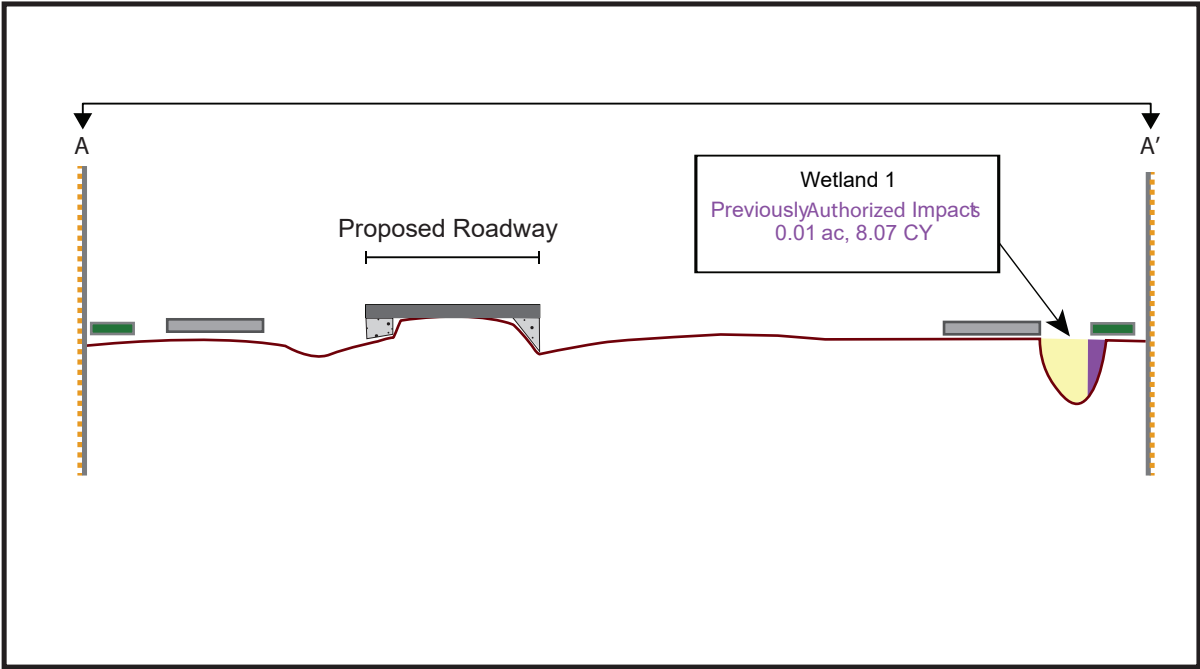
SH 146 from Fairmont to Red Bluff

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)





Existing Right-of-Way

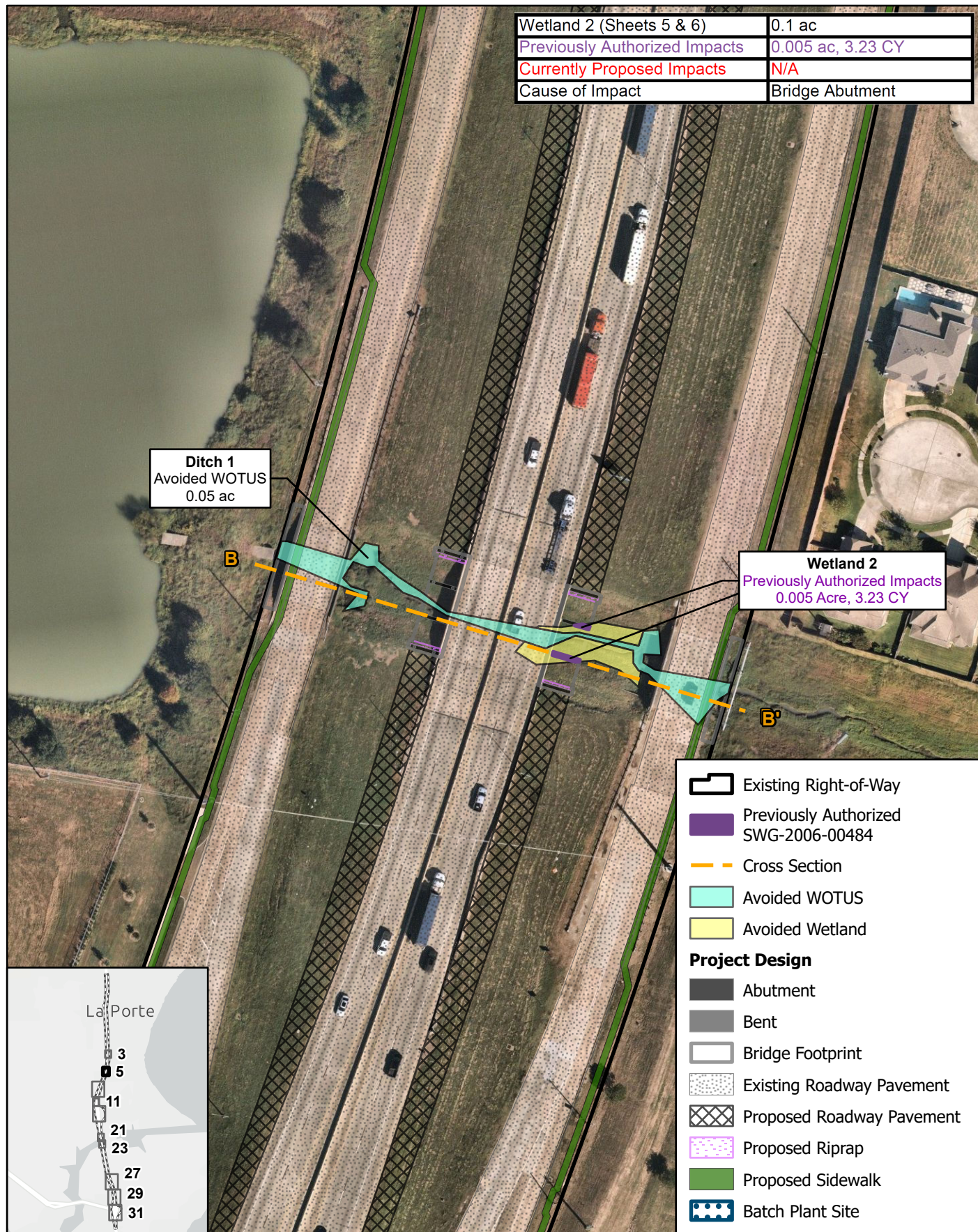


- Existing Right-of-Way
- Gross Section
- Proposed Elevation
- Existing Elevation
- Proposed Sidewalk  
(No Impacts to Jurisdictional Areas)
- Proposed Roadway  
(No Impacts to Jurisdictional Areas)
- Previously Authorized  
SWG-2006-00484
- Avoided Wetland

ILLUSTRATION NOT TO SCALE

Wetland 1 (Sheets 3 & 4)	0.03 ac
Previously Authorized Impacts	0.01 ac, 8.07 CY
Currently Proposed Impacts	N/A
Cause of Impact	Sidewalk

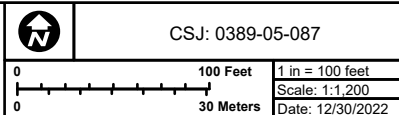




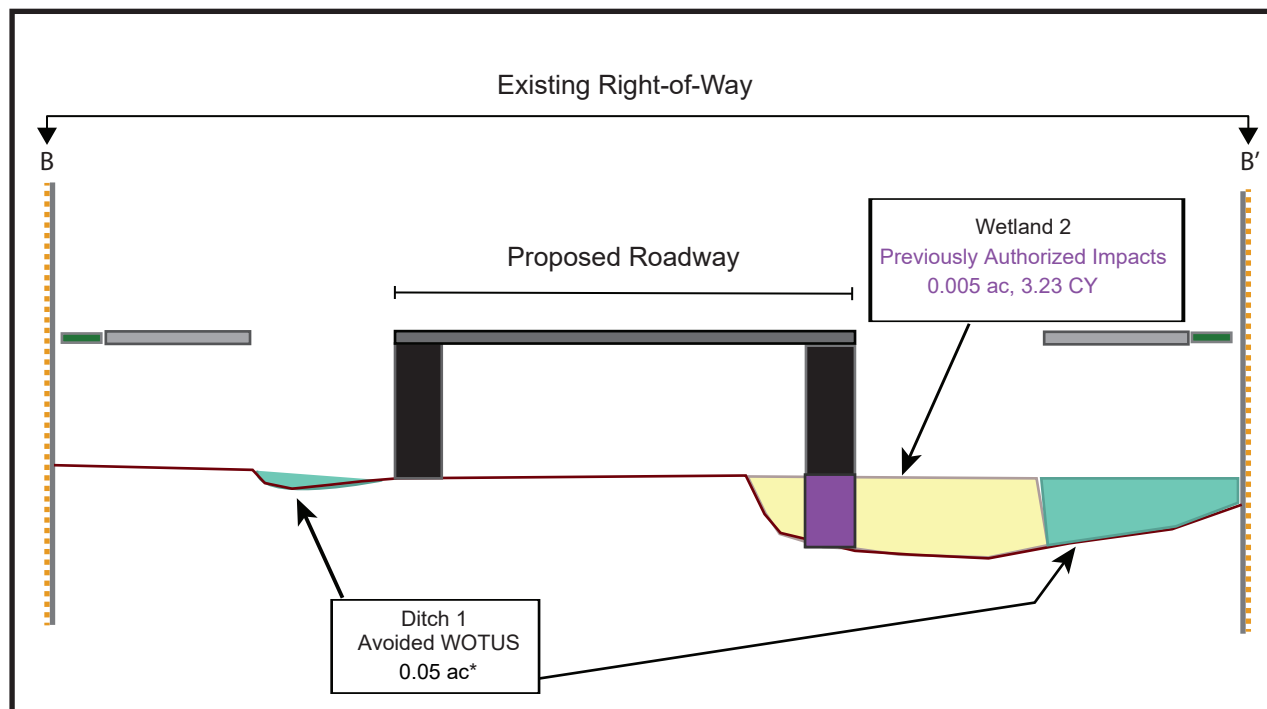
Sheet 5 of 33  
Crossing 2

SH 146 from Fairmont to Red Bluff

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)







\*Note: Proposed pedestrian bridges will span Ditch 1 resulting in no jurisdictional impacts at this location.

- Existing Right-of-Way
- Cross Section
- Existing and Proposed Elevation
- Existing Roadway
- Proposed Sidewalk
- Proposed Bridge Abutment
- Previously Authorized SWG-2006-00484
- Avoided Wetland
- Avoided WOTUS

ILLUSTRATION NOT TO SCALE

Wetland 2 (Sheets 5 & 6)	0.1 ac
Previously Authorized Impacts	0.005 ac, 3.23 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge Abutment

Sheet 6 of 33  
Ditch 1 and Wetland 2



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2021), CP&Y (2021)

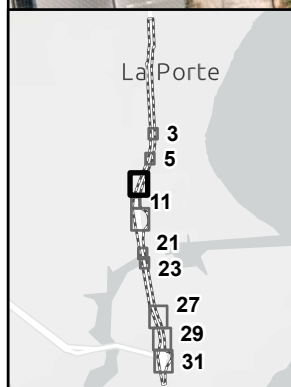


Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidewalk
Wetland 3 (Sheets 7 & 9)	0.211 ac
Previously Authorized Impacts	0.02 ac, 32.27 CY
Currently Proposed Impacts	N/A
Cause of Impact	Sidepath, Grading
Ditch 3 (Sheets 7 & 10)	0.02 ac
Previously Authorized Impacts	0.003 ac, 4.84 CY
Currently Proposed Impacts	0.001 ac, 0.48 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading

**Ditch 2**  
Previously Authorized Impacts  
0.44 ac, 1,419.73 CY  
Currently Proposed Impacts  
1.79 ac, 5,370.98 CY

**Wetland 3**  
Previously Authorized Impacts  
0.02 ac, 32.27 CY

**Ditch 3**  
Previously Authorized Impacts  
0.003 Acre, 4.84 CY  
Currently Proposed Impacts  
0.001 ac, 0.48 CY



- Existing Right-of-Way
- Previously Authorized SWG-2006-00484
- Cross Section
- Wetland (Currently Proposed Impacts)
- Avoided Wetland
- Project Design**
  - Existing Roadway Pavement
  - Proposed Roadway Pavement
  - Proposed Sidewalk
  - Batch Plant Site

**Sheet 7 of 33**  
**Crossing 3**

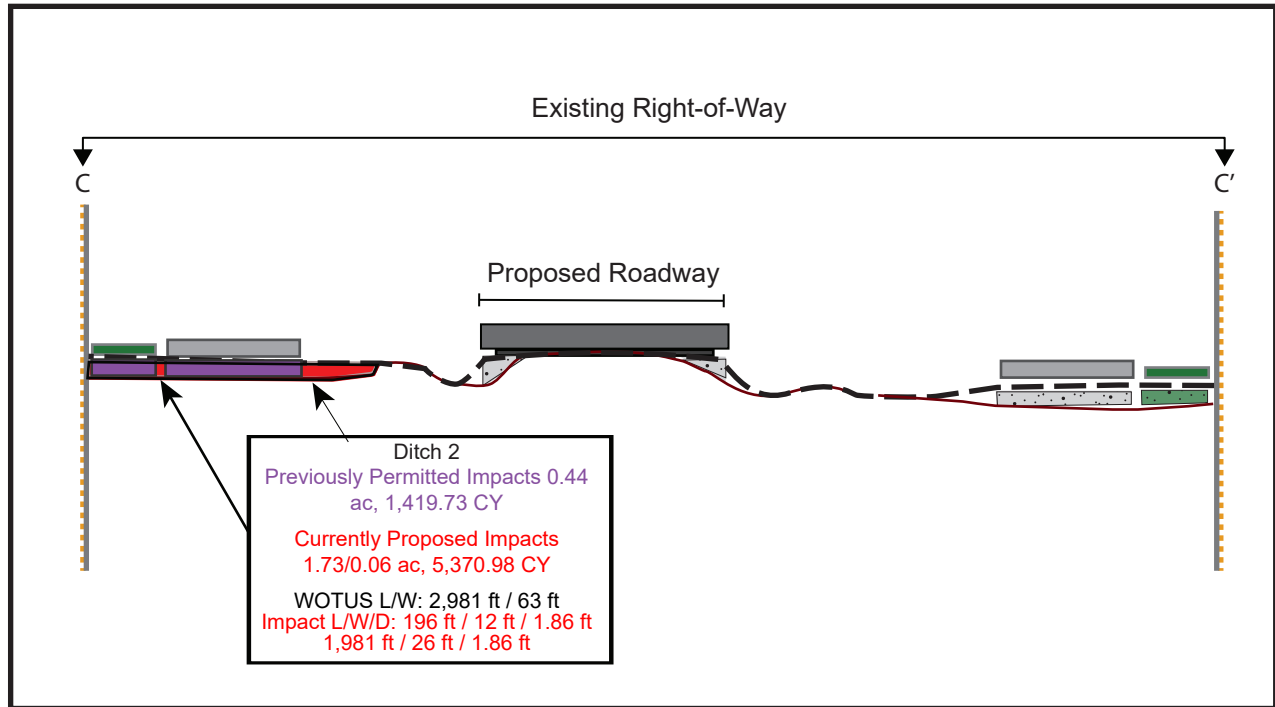
**SH 146 from Fairmont to Red Bluff**

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)

CSJ: 0389-05-087

1 in. = 200 feet  
Scale: 1:2,400  
Date: 12/30/2022





	Existing Right-of-Way
	Cross Section
	Proposed Elevation
	Existing Elevation
	Proposed Roadway
	Proposed Sidewalk
	Wetland (Currently Proposed Impacts)
	Permitted under SWG-2006-00484

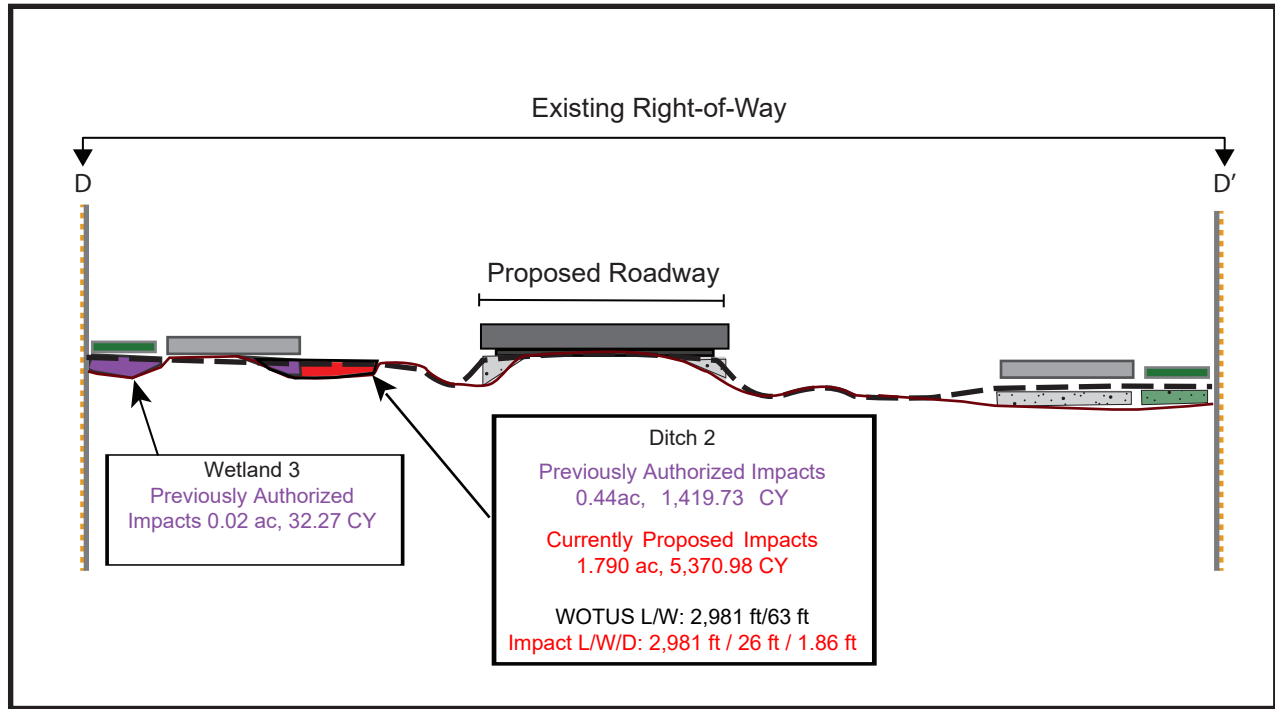
**ILLUSTRATION NOT TO SCALE**

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Permitted Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading

**Sheet 8 of 33**  
**Ditch 2**



CSJ: 0389-05-087



- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Proposed Roadway
- Proposed Sidewalk
- Wetland (Currently Proposed Impacts)
- Previously Authorized SWG-2006-00484

**ILLUSTRATION NOT TO SCALE**

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading
Wetland 3 (Sheets 7 & 9)	0.211 ac
Previously Authorized Impacts	0.02 ac, 32.27 CY
Currently Proposed Impacts	N/A
Cause of Impact	Sidepath, Grading

**Sheet 9 of 33**  
**Ditch 2 and Wetland 3**



CSJ: 0389-05-087



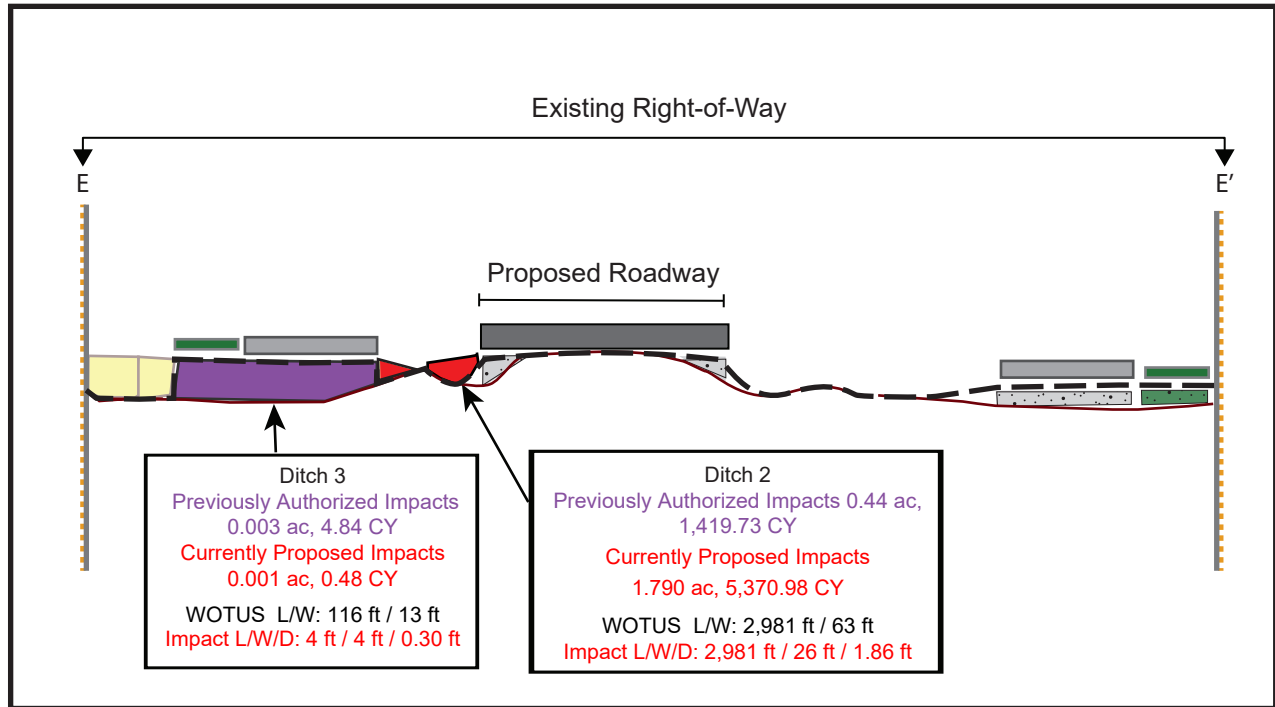


ILLUSTRATION NOT TO SCALE

- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Proposed Roadway
- Proposed Sidewalk
- Wetland  
Currently Proposed Impacts)
- Previously Authorized  
SWG-2006-00484

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading
Ditch 3 (Sheets 7 & 10)	0.02 ac
Previously Authorized Impacts	0.003 ac, 4.84 CY
Currently Proposed Impacts	0.001 ac, 0.48 CY
Cause of Impact	Proposed Pavement, Sidepath

Sheet 10 of 33  
Ditch 2 and Ditch 3

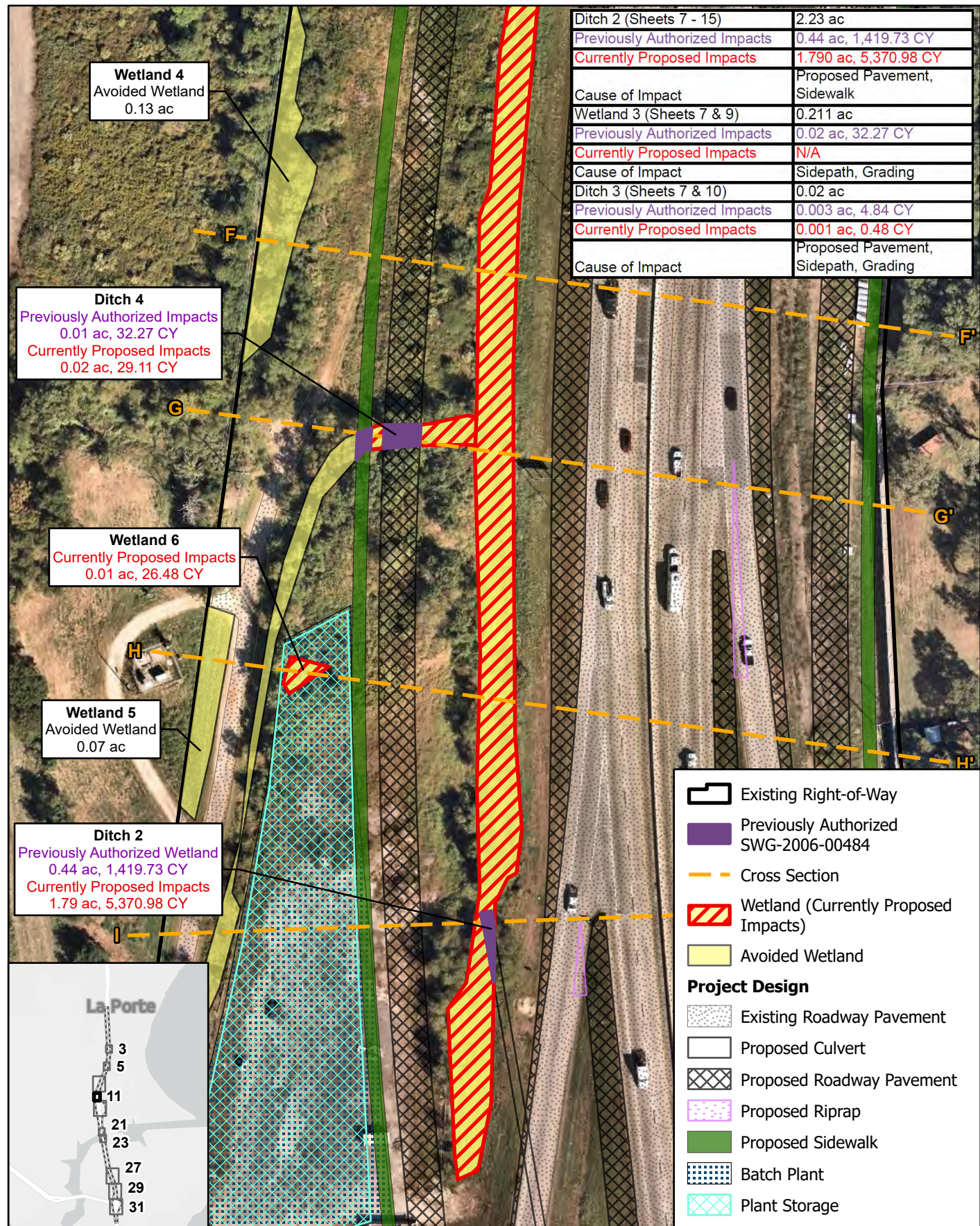


CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)





Sheet 11 of 33  
Crossing 3

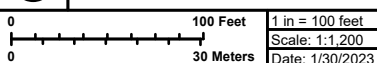
SH 146 from Fairmont to Red Bluff

Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)

Data Sources:



CSJ: 0389-05-087





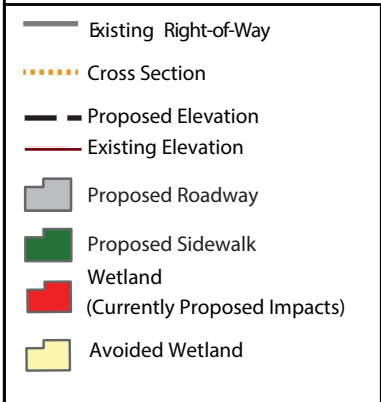
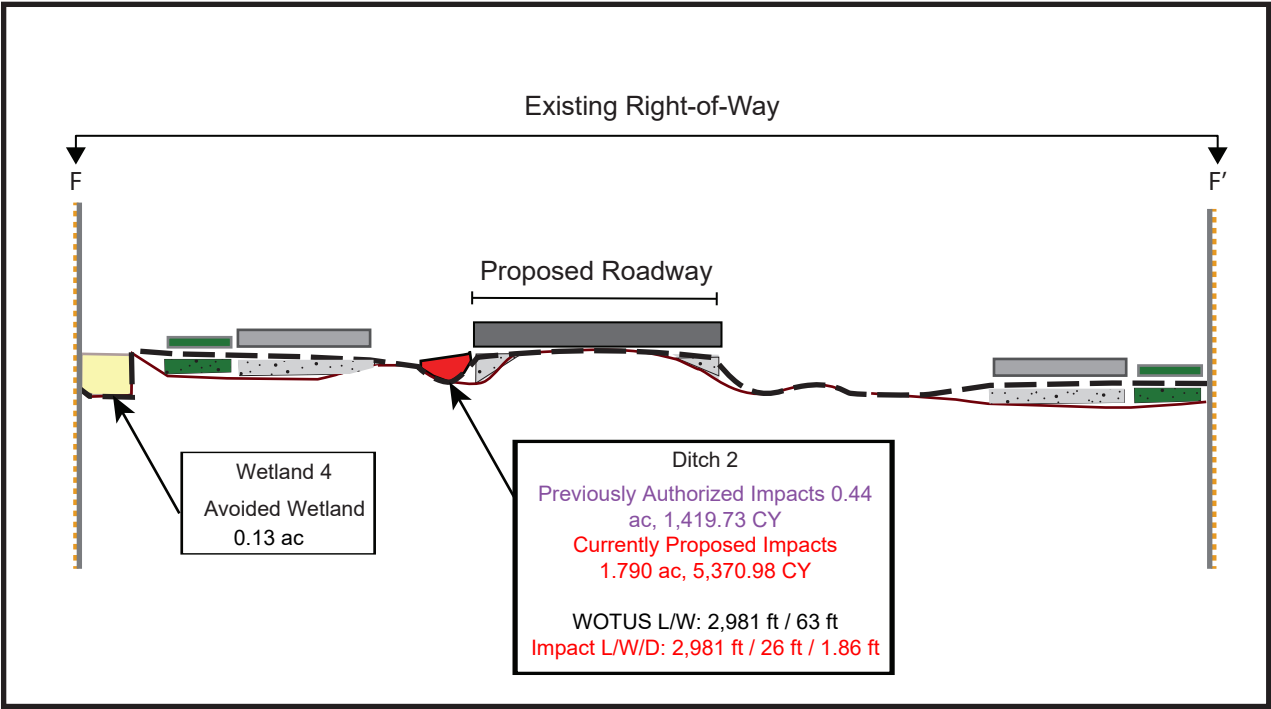


ILLUSTRATION NOT TO SCALE

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading

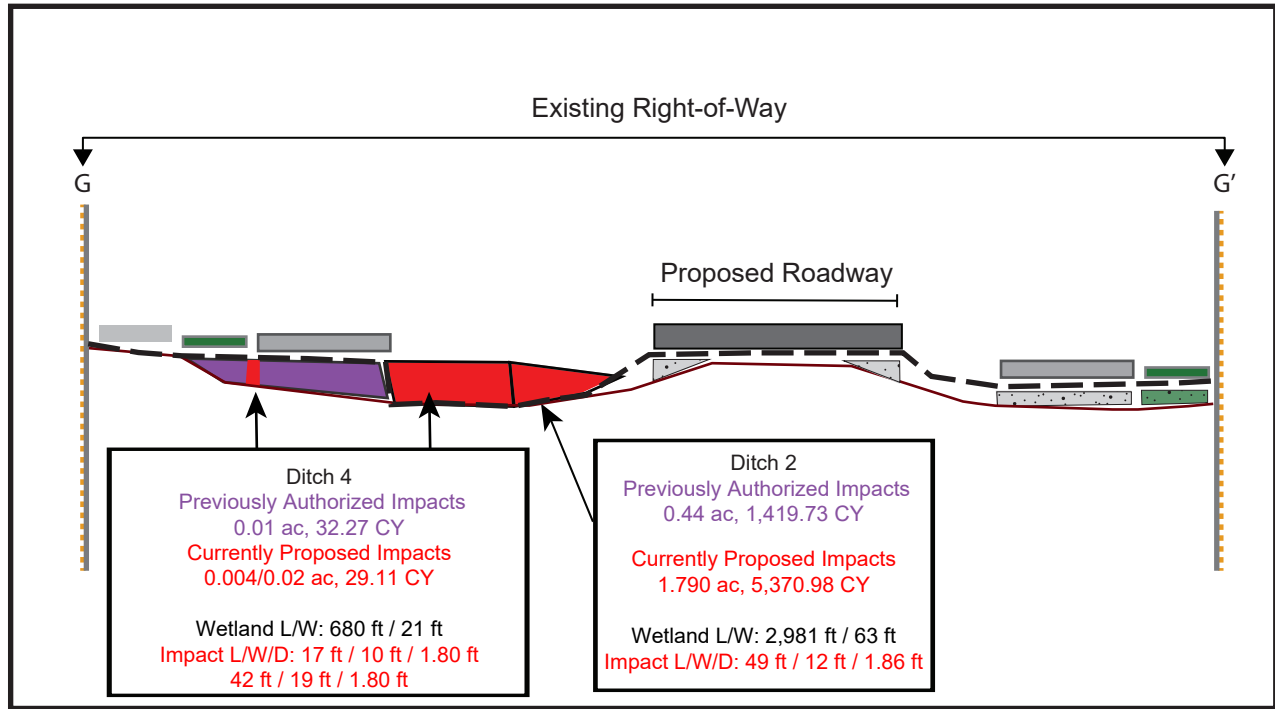
Sheet 12 of 33  
Ditch 2 and Wetland 4



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)



- Existing Right-of-Way
- ..... Cross Section
- Proposed Elevation
- Existing Elevation
- Existing Roadway
- Proposed
- Proposed Sidewalk
- Wetland  
(Currently Proposed Impacts)
- Previously Authorized  
SWG-2006-00484

**ILLUSTRATION NOT TO SCALE**

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading
Ditch 4 (Sheets 11, 13, & 15)	0.17 ac
Previously Authorized Impacts	0.01 ac, 32.27 CY
Currently Proposed Impacts	0.02 ac, 29.11 CY
Cause of Impact	Sidepath, Grading

**Sheet 13 of 33**  
**Ditch 2 and Ditch 4**

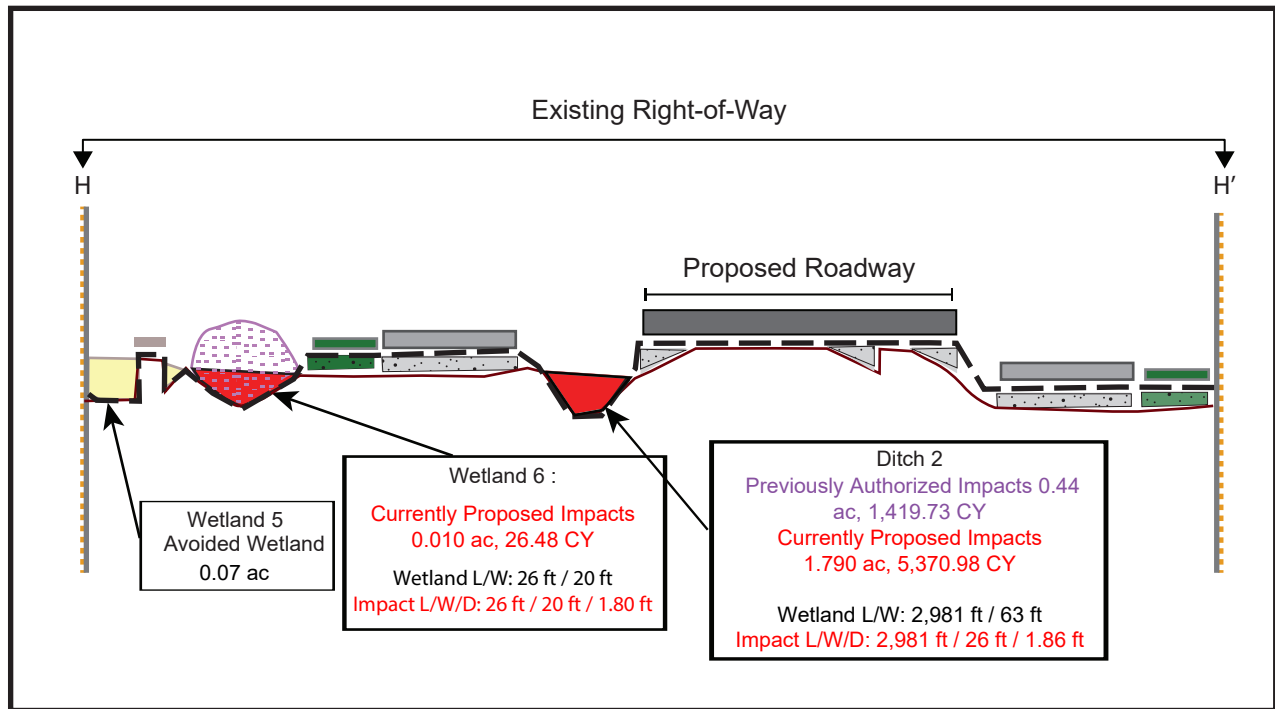


CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)





	Existing Right-of-Way
	Cross Section
	Proposed Elevation
	Existing Elevation
	Existing Roadway
	Proposed Roadway
	Proposed Sidewalk
	Wetland (Currently Proposed Impacts)
	Avoided Wetland
	Proposed Riprap

# ILLUSTRATION NOT TO SCALE

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading
Wetland 6 (Sheets 11 & 14)	0.01 ac
Previously Authorized Impacts	N/A
Currently Proposed Impacts	0.010 ac, 26.48 CY
Cause of Impact	Proposed Pavement, Sidepath

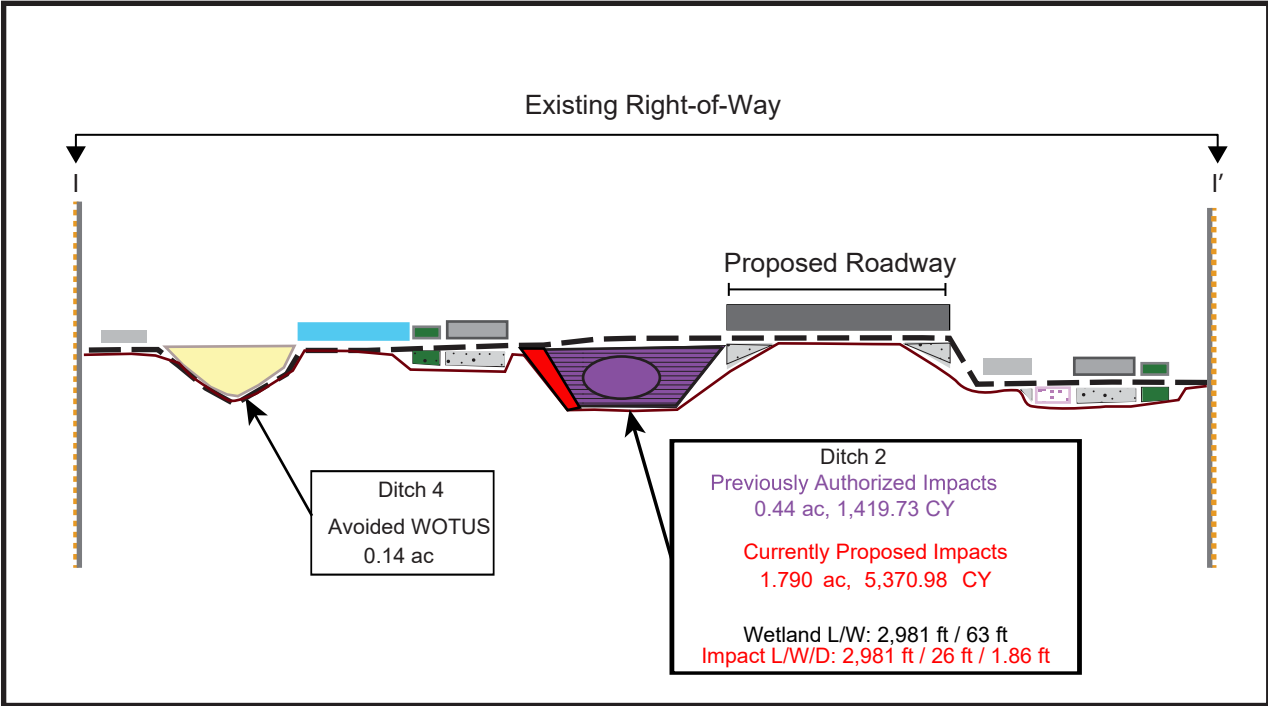
**Sheet 14 of 33**  
**Ditch 2, Wetland 5, and**  
**Wetland 6**

SH 146 from Fairmont to Red Bluff



CSJ: 0389-05-087

Data Sources:  
 CMEC (2020), TxDOT (2019)



\*Note: Impacts associated with Ditch 4 are not located in this cross section.

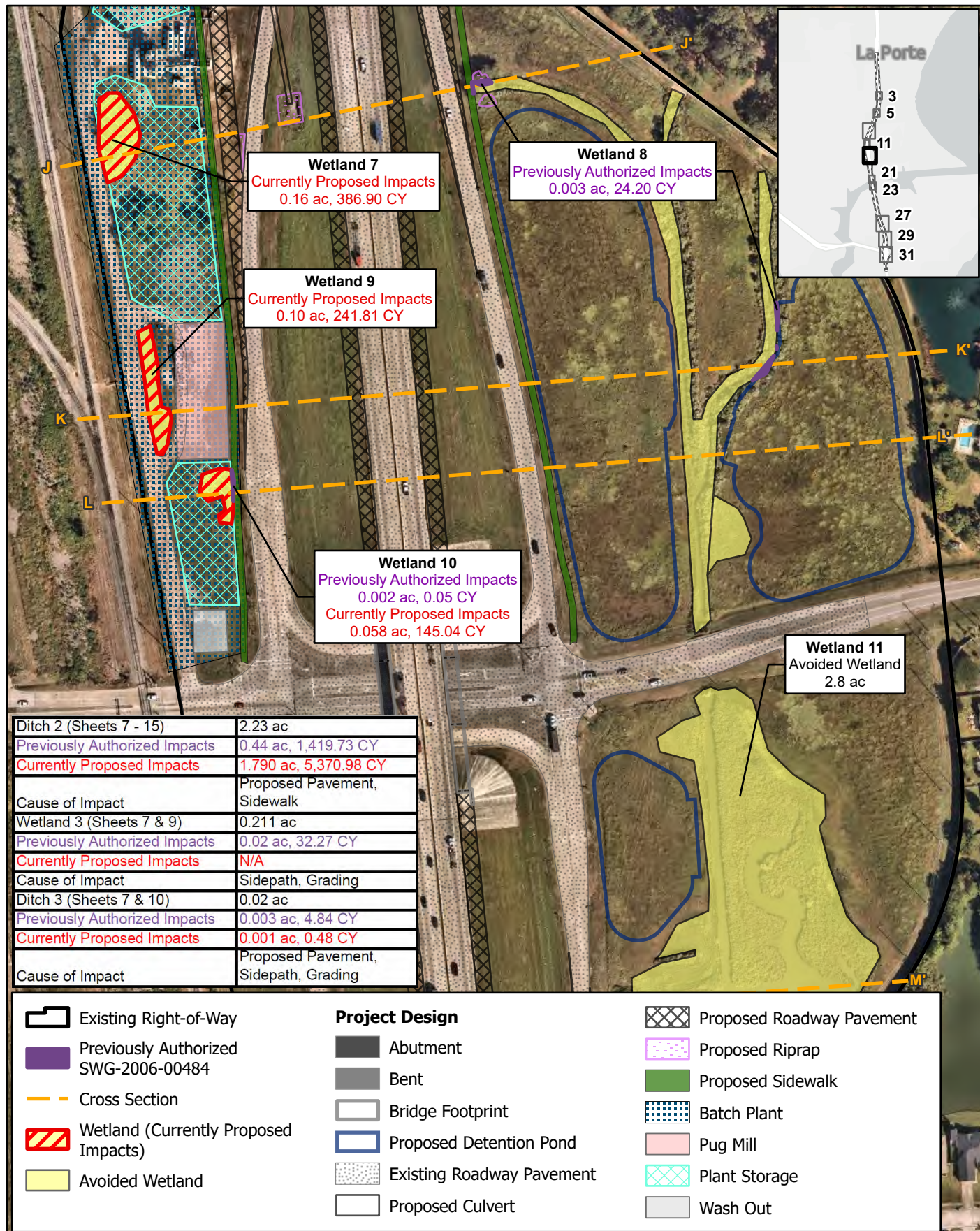
- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Existing Roadway
- Proposed Roadway
- Proposed Sidewalk
- Proposed Riprap
- Proposed Culvert
- Wetland (Currently Proposed Impacts)
- Previously Authorized SWG 2006-00484
- Avoided Wetland

ILLUSTRATION NOT TO SCALE

Ditch 2 (Sheets 7 - 15)	2.23 ac
Previously Authorized Impacts	0.44 ac, 1,419.73 CY
Currently Proposed Impacts	1.790 ac, 5,370.98 CY
Cause of Impact	Proposed Pavement, Sidepath, Grading







Sheet 16 of 33  
Crossing 3

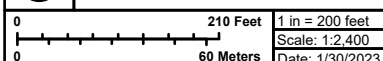
SH 146 from Fairmont to Red Bluff

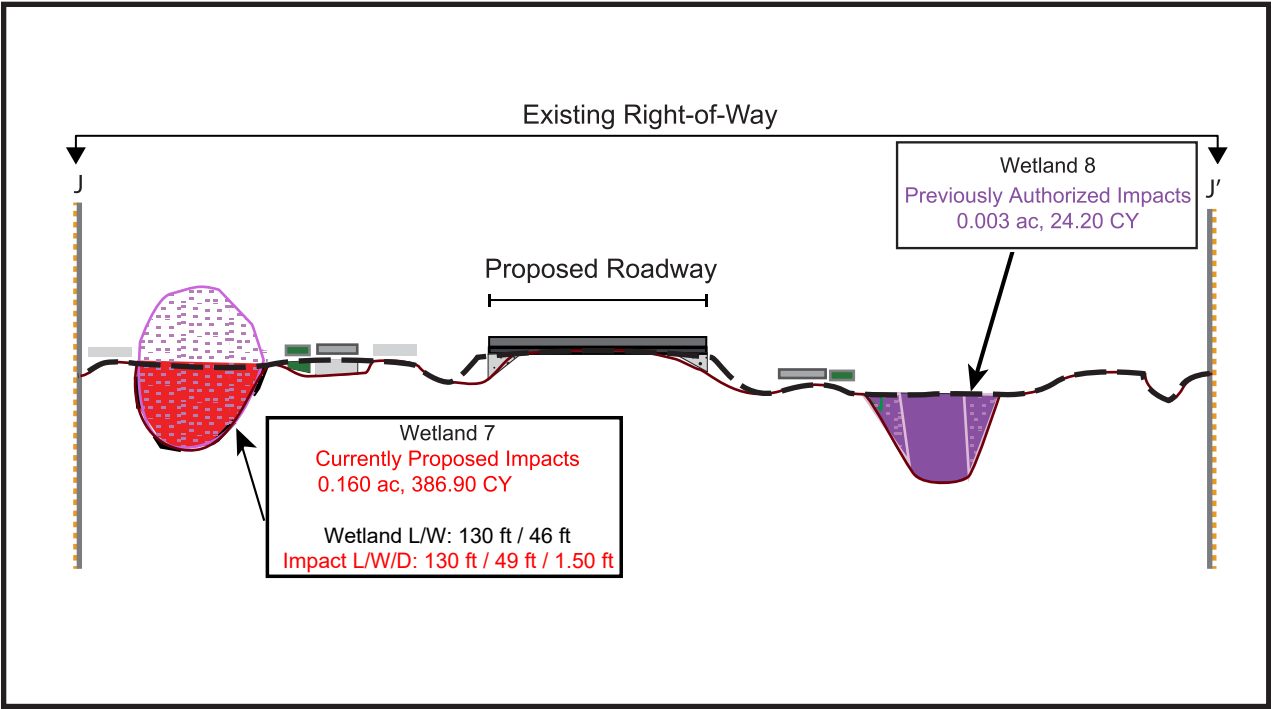
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)

Data Sources:



CSJ: 0389-05-087





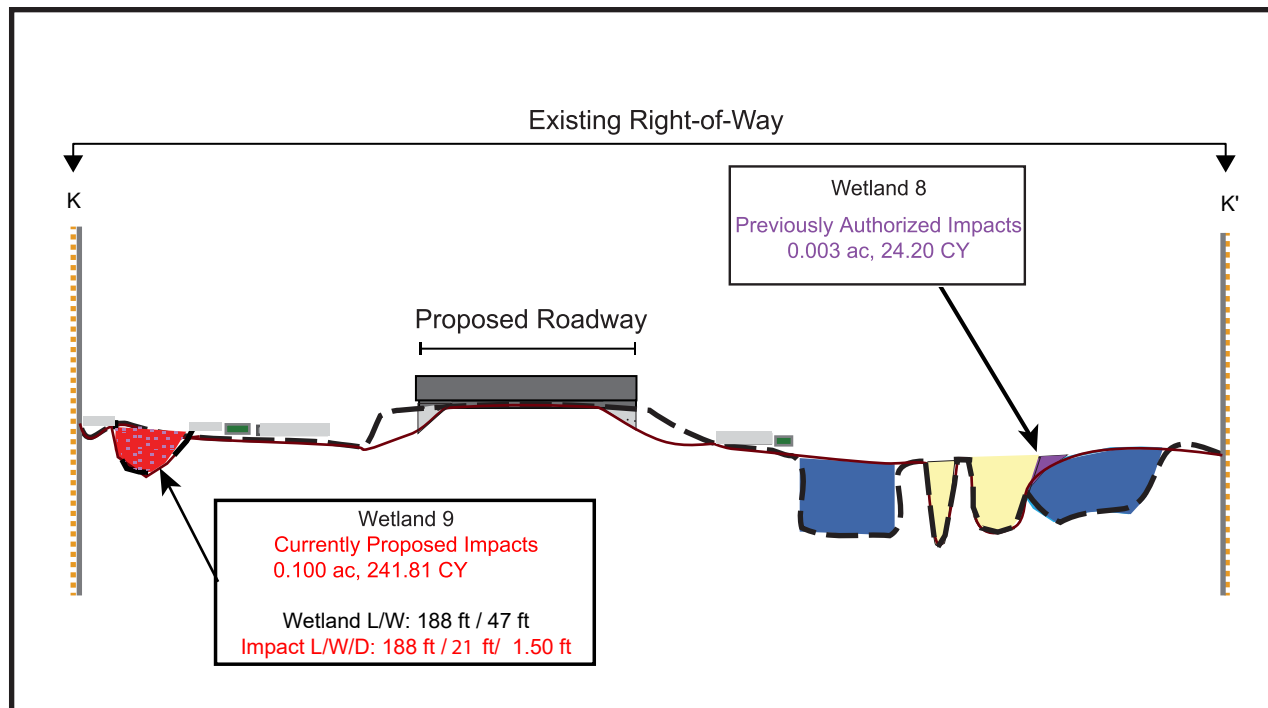
- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Proposed Headwall
- Proposed Sidewalk
- Existing Roadway
- Proposed Roadway
- Previously Authorized SWG-2006-00484
- Wetland (Currently Proposed Impacts)
- Proposed Riprap

**ILLUSTRATION NOT TO SCALE**

Wetland 7 (Sheets 16 & 17)	0.16 ac
Previously Permitted Impacts	N/A
Currently Proposed Impacts	0.160 ac, 386.90 CY
Cause of Impact: Sidewalk, Riprap, Grading	
Wetland 8 (Sheets 16 - 19)	0.94 ac
Previously Permitted Impacts	0.003 ac, 24.20 CY
Currently Proposed Impacts	N/A
Cause of Impact: Detention Pond, Riprap, Sidepath	







- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Proposed Sidewalk
- Existing Roadway
- Proposed Roadway
- Avoided Wetland
- Wetland (Currently Proposed Impacts)
- Detention Pond
- Previously Authorized SWG-2006-00484
- Proposed Riprap

**ILLUSTRATION NOT TO SCALE**

Wetland 8 (Sheets 16 - 19)	0.94 ac
Previously Authorized Impacts	0.003 ac, 24.20 CY
Currently Proposed Impacts	N/A
Cause of Impact: Detention Pond, Riprap, Sidepath	
Wetland 9 (Sheets 16 & 18)	0.10 ac
Previously Authorized Impacts	N/A
Currently Proposed Impacts	0.100 ac, 241.81 CY
Cause of Impact: Detention Pond, Grading	

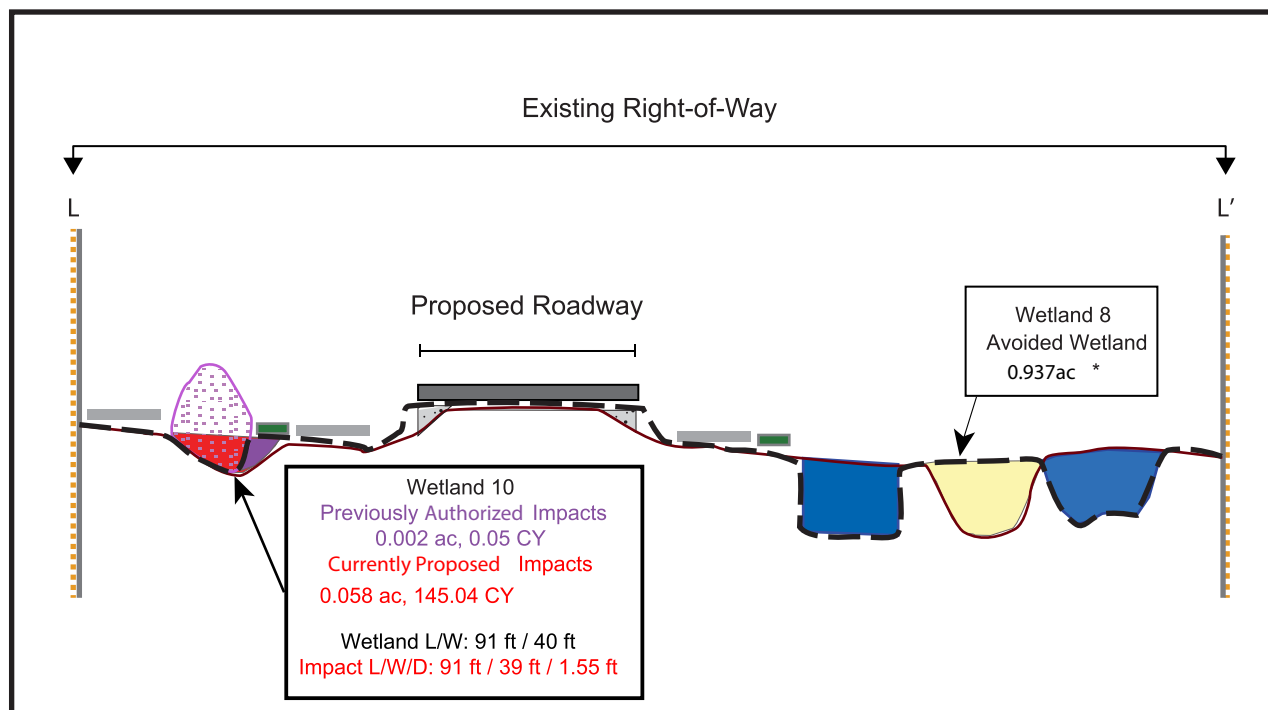
Sheet 18 of 33  
Wetland 8 and Wetland 9



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)



\*Note: Impacts associated with Wetland 8 are not located in this cross section.

- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Existing Roadway
- Proposed Sidewalk
- Proposed Roadway
- Wetland (Currently Proposed Impacts)
- Avoided Wetland
- Proposed Detention Pond
- Previously Authorized SWG-2006-00484
- Proposed Riprap

ILLUSTRATION NOT TO SCALE

Wetland 10 (Sheets 16 & 19)	0.06 ac
Previously Authorized Impacts	0.002 ac, 0.05 CY
Currently Proposed Impacts	0.058 ac, 145.04 CY
Cause of Impact: Sidewalk	

Sheet 19 of 33  
Wetland 8 and Wetland 10

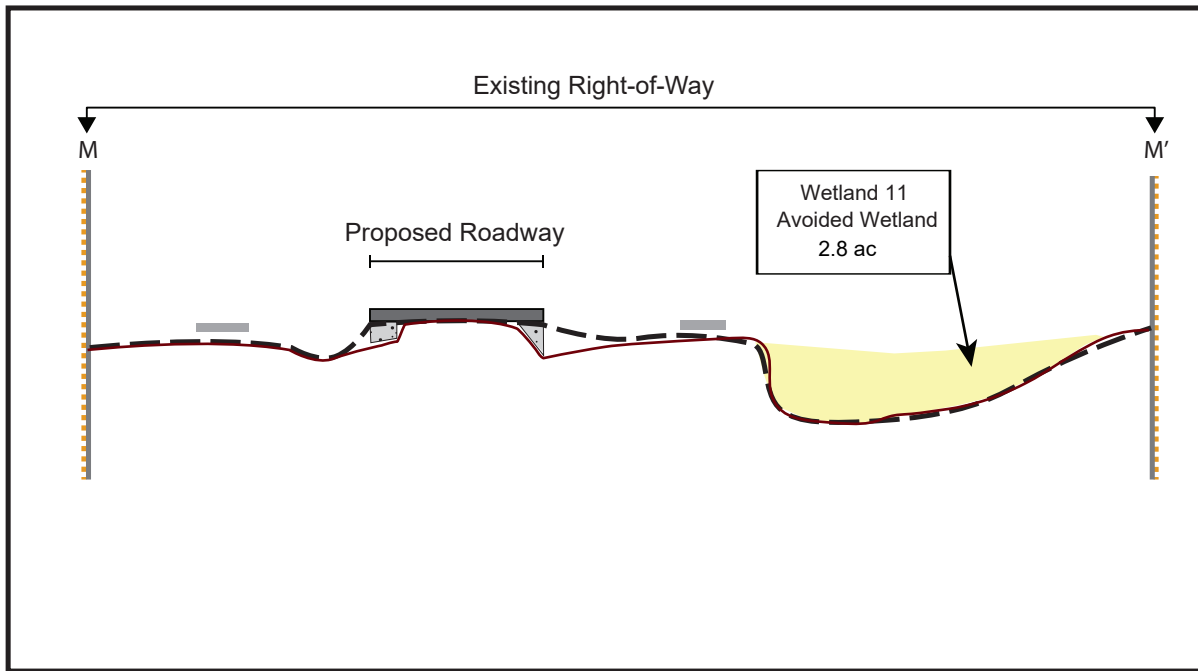


CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)





- Existing Right-of-Way
- ..... Cross Section
- - - Proposed Elevation
- Existing Elevation
- Existing Roadway
- Proposed Roadway
- Avoided Wetland

ILLUSTRATION NOT TO SCALE

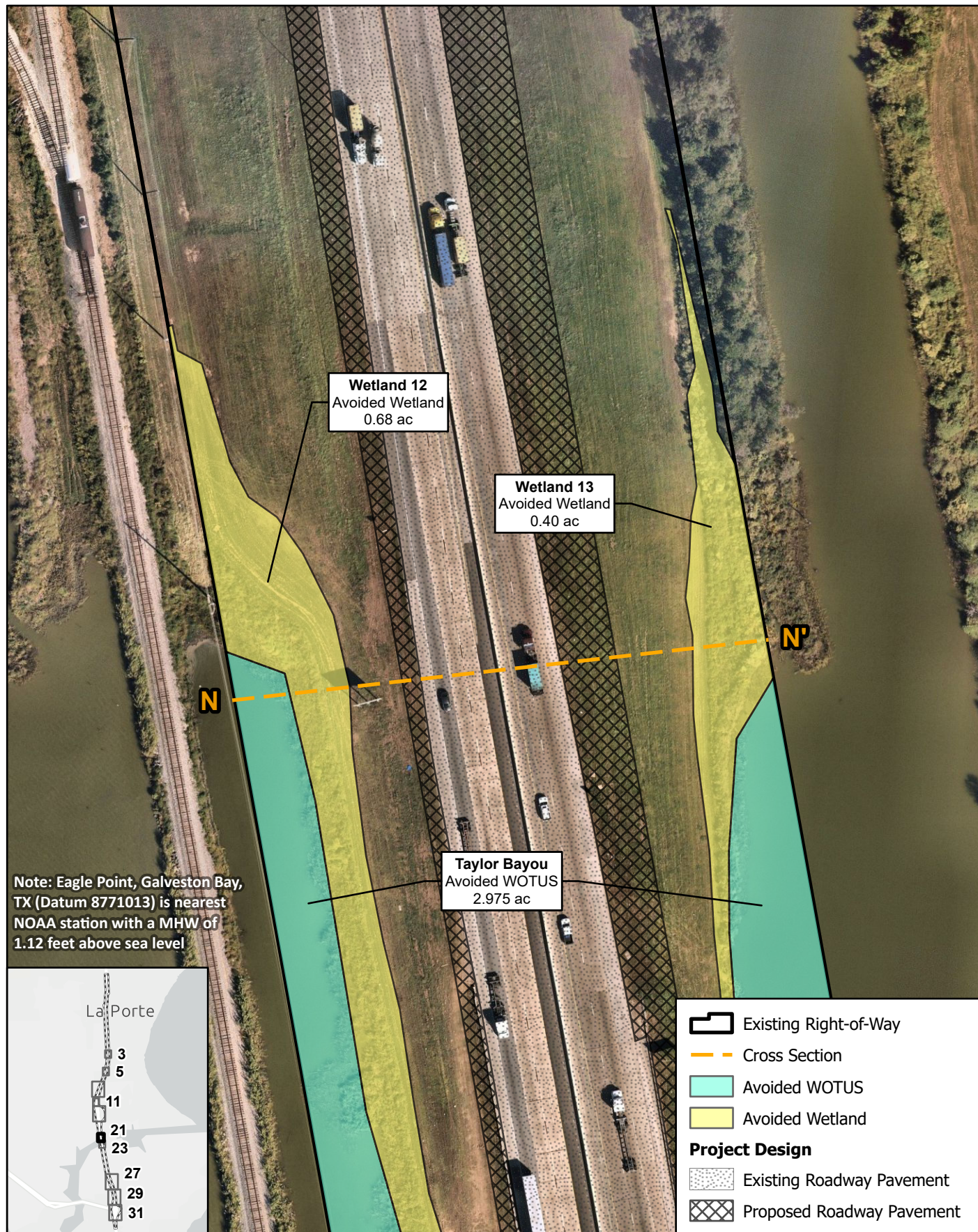
Sheet 20 of 33  
Wetland 11



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

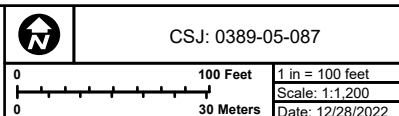
Data Sources:  
CMEC (2020), TxDOT (2019)



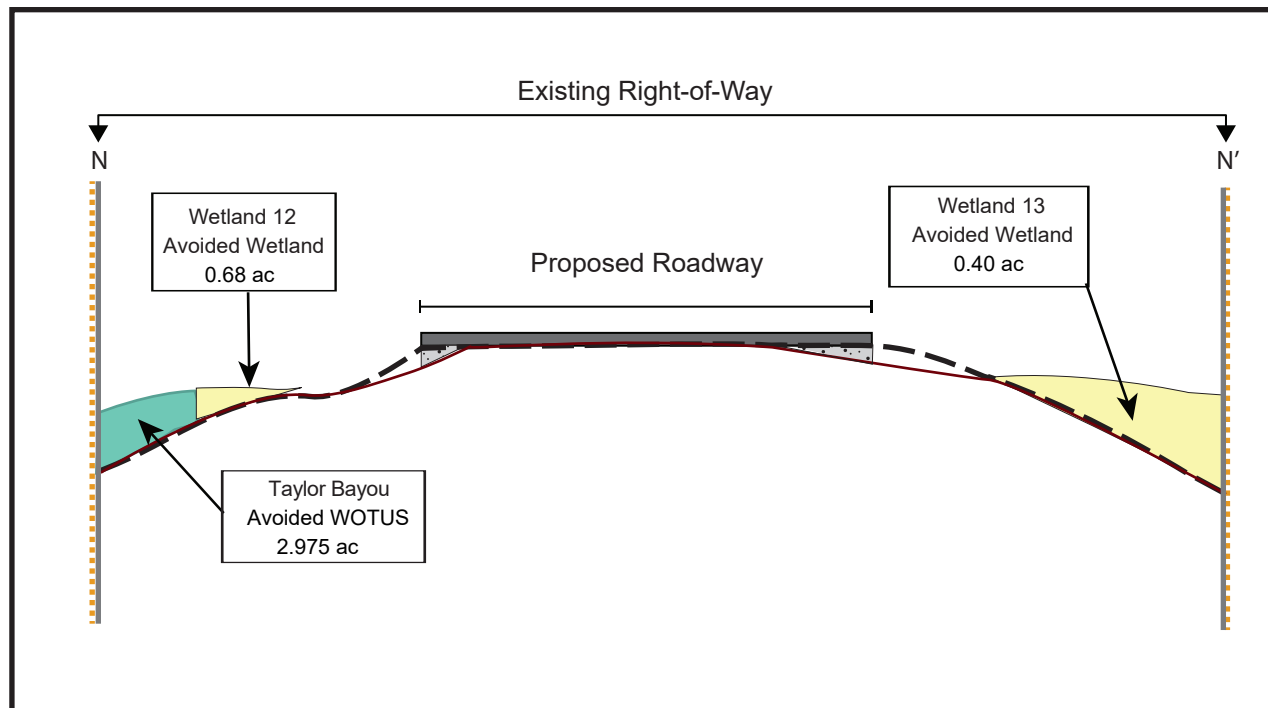
Sheet 21 of 33  
Crossing 10

SH 146 from Fairmont to Red Bluff

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)







Note: Eagle Point, Galveston Bay, TX (Datum 8771013) is nearest NOAA station with a MHW of 1.08 feet above sea level and MHHW of 1.12 feet above sea level













- Existing Right-of-Way
- ..... Cross Section
- - - Proposed Elevation
- Existing Elevation
- Avoided WOTUS
- Proposed Roadway  
(No Impacts to Jurisdictional Areas)
- Avoided Wetland

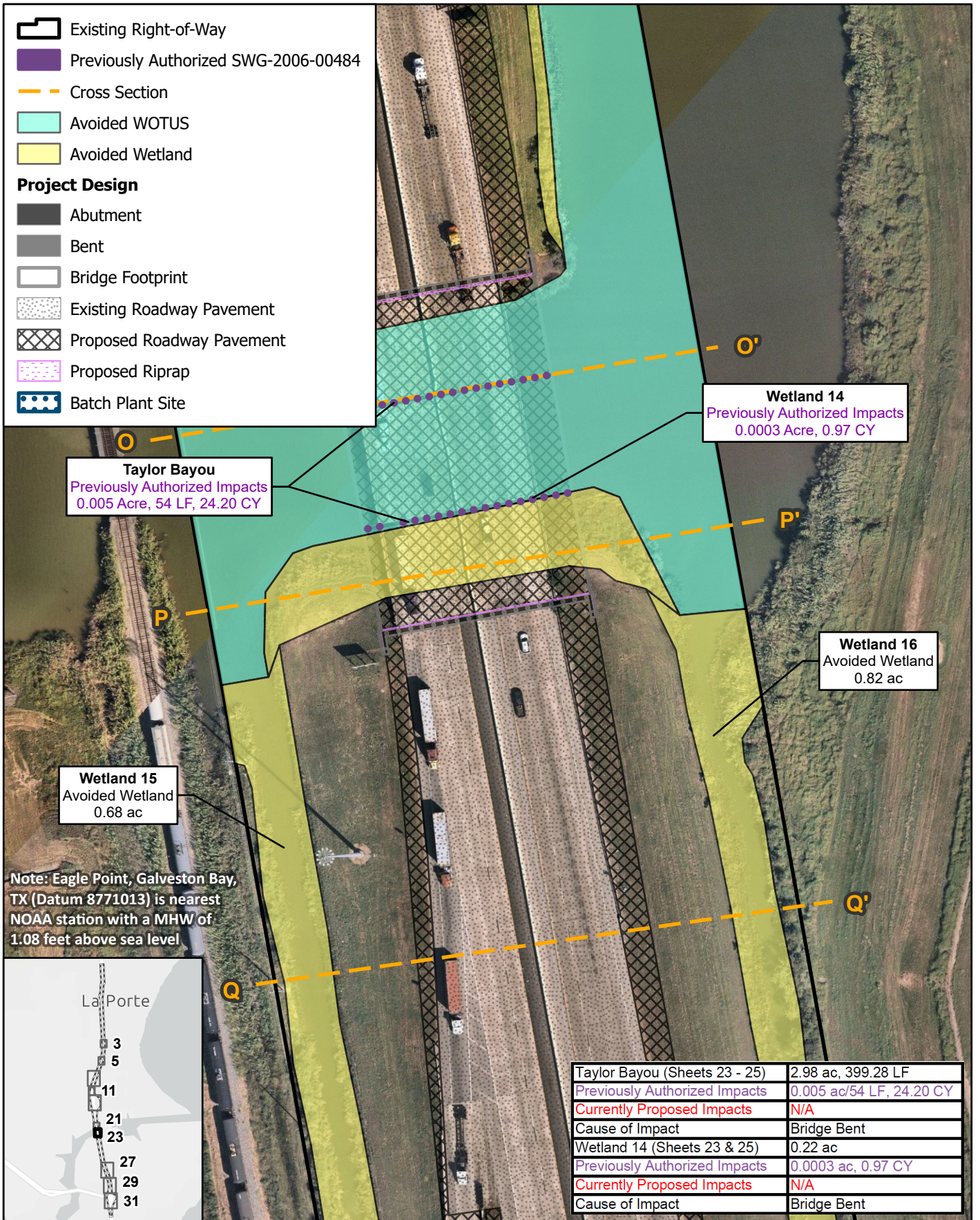
ILLUSTRATION NOT TO SCALE

Sheet 22 of 33  
Taylor Bayou, Wetland 12, and Wetland 13



CSJ: 0389-05-087

-  Existing Right-of-Way
-  Previously Authorized SWG-2006-00484
-  Cross Section
-  Avoided WOTUS
-  Avoided Wetland
- Project Design**
  -  Abutment
  -  Bent
  -  Bridge Footprint
  -  Existing Roadway Pavement
  -  Proposed Roadway Pavement
  -  Proposed Riprap
  -  Batch Plant Site



Sheet 23 of 33  
Crossing 10

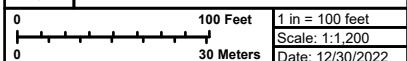
SH 146 from Fairmont to Red Bluff

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)

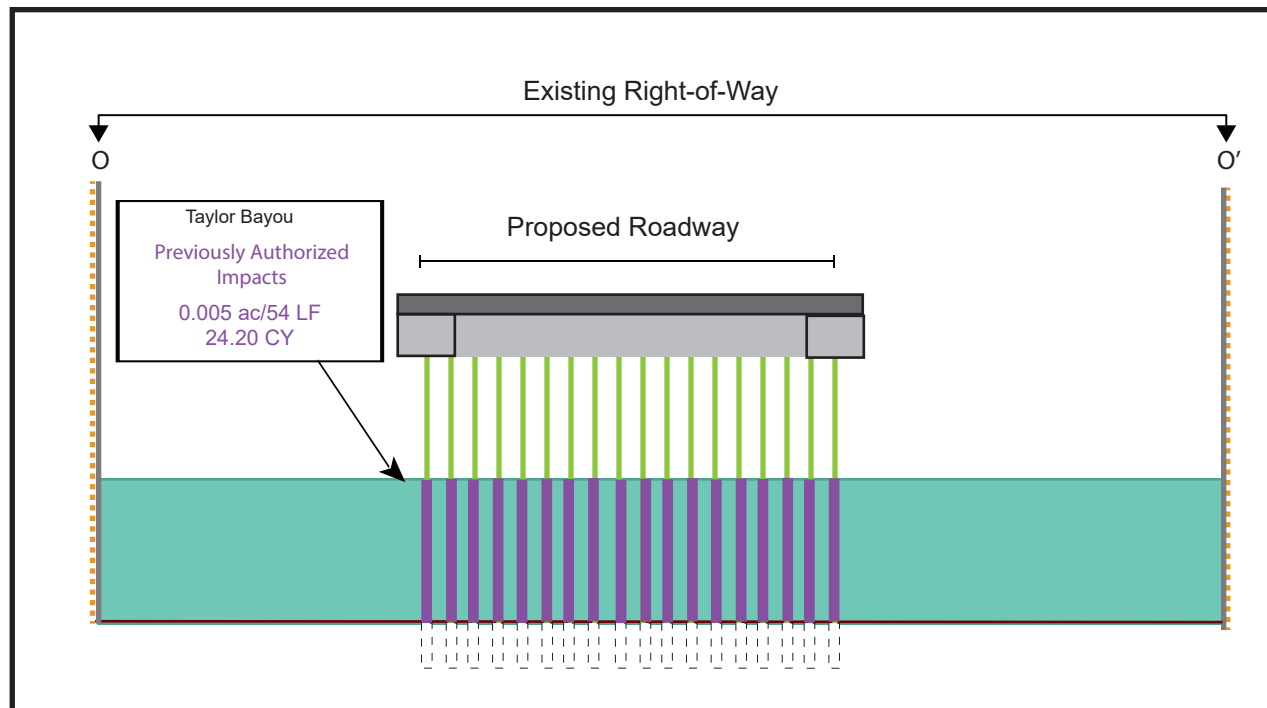
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CSJ: 0389-05-087







Note: Eagle Point, Galveston Bay, TX (Datum 8771013) is nearest NOAA station with a MHW of 1.08 feet above sea level and MHHW of 1.12 feet above sea level

Drilled Shaft Note: Drilled shafts are anticipated to be constructed by excavating a hole using an auger, placing a cage of reinforcing steel, and then filling with concrete.

**ILLUSTRATION NOT TO SCALE**

- Existing Right-of-Way
- Cross Section
- Existing and Proposed Elevation
- Bridge Footprint
- Proposed Bridge Column
- Existing Roadway
- Previously Authorized SWG-2006-00484
- Avoided WOTUS

Taylor Bayou (Sheets 23 - 25)	2.98 ac, 399.28 LF
Previously Authorized Impacts	0.005 ac/54 LF, 24.20 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge Bent

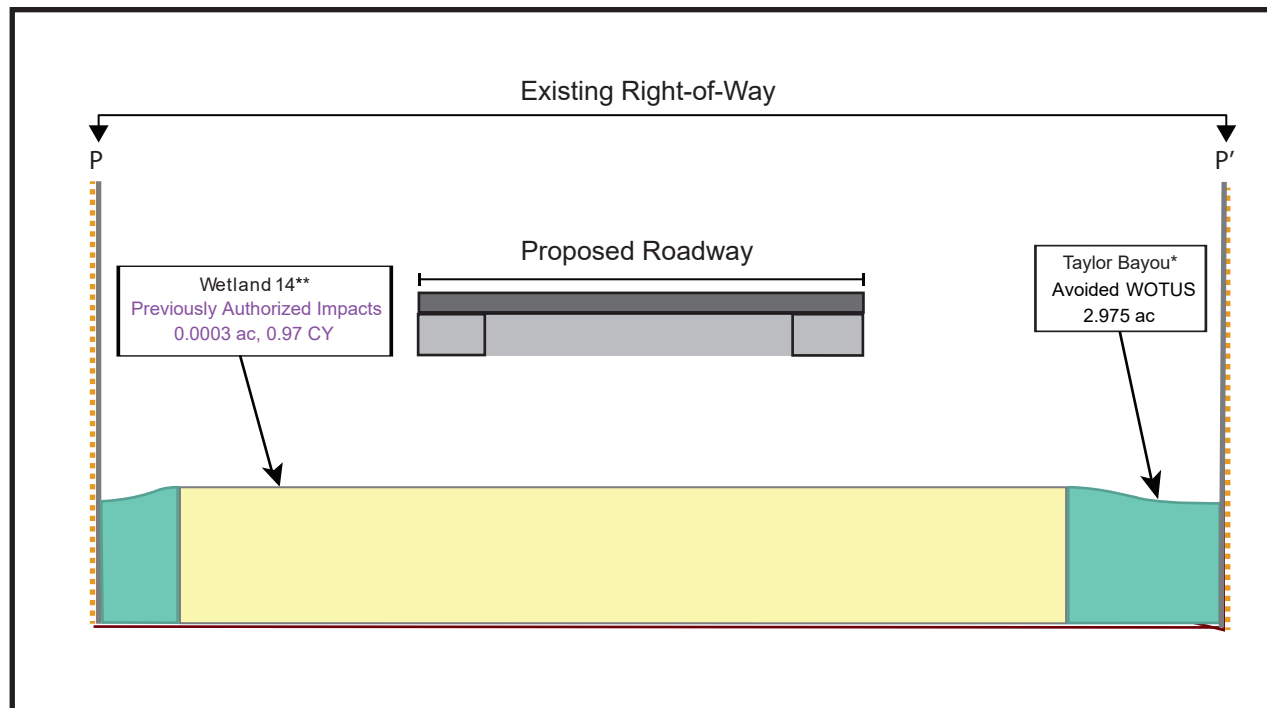
**Sheet 24 of 33**  
**Taylor Bayou**



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)



\*Note: Impacts are associated with proposed bridge columns, but not located in this cross section.

Note: Eagle Point, Galveston Bay, TX (Datum 8771013) is nearest NOAA station with a MHW of 1.08 feet above sea level and MHHW of 1.12 feet above sea level

#### ILLUSTRATION NOT TO SCALE

- Existing Right-of-Way
- ..... Cross Section
- Existing and Proposed Elevation
- Avoided Wetland
- Avoided WOTUS
- Bridge Footprint
- Proposed Roadway (No Impacts to Jurisdictional Areas)

Taylor Bayou (Sheets 23 - 25)	2.98 ac, 399.28 LF
Previously Permitted Impacts	0.005 ac/54 LF, 24.20 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge Bent
Wetland 14 (Sheets 23 & 25)	0.22 ac
Previously Permitted Impacts	0.0003 ac, 0.97 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge Bent

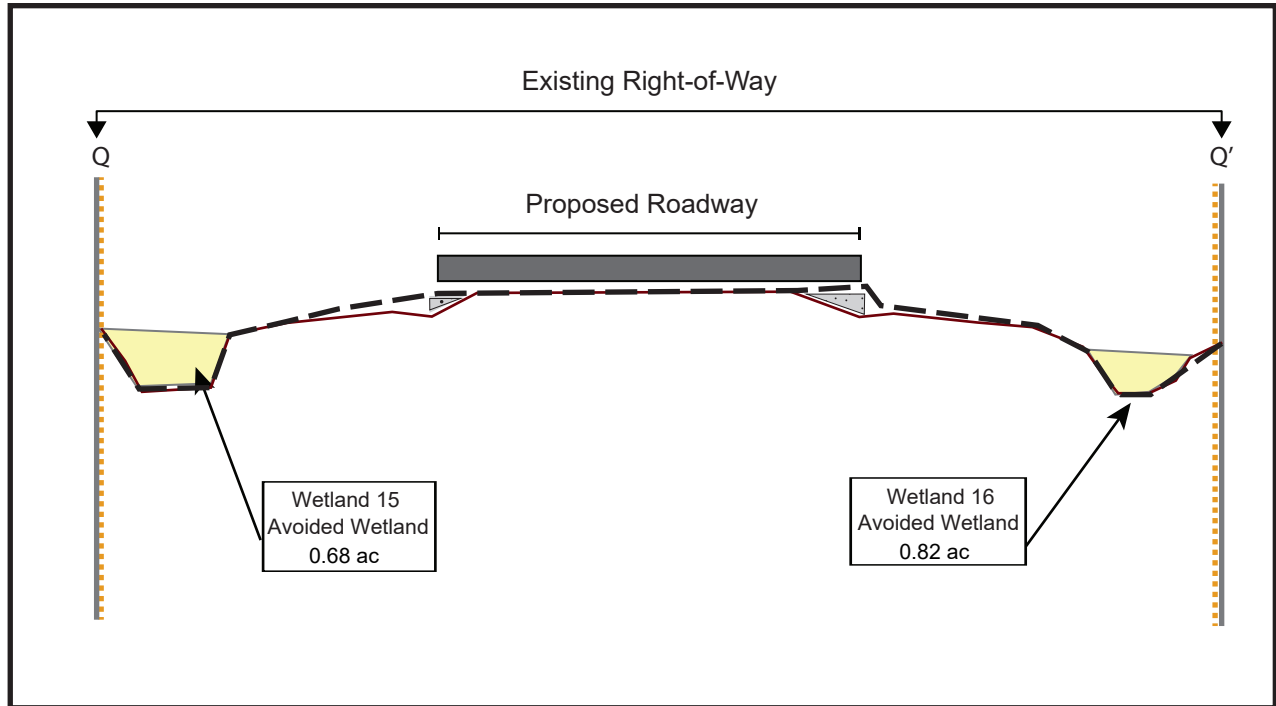
Sheet 25 of 33  
Taylor Bayou and Wetland 14



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)



- Existing Right-of-Way
- Cross-Section Proposed
- Elevation Existing
- Elevation Avoided
- Avoided Wetland
- Proposed Roadway

ILLUSTRATION NOT TO SCALE

**Sheet 26 of 33**  
**Wetland 15 and Wetland 16**

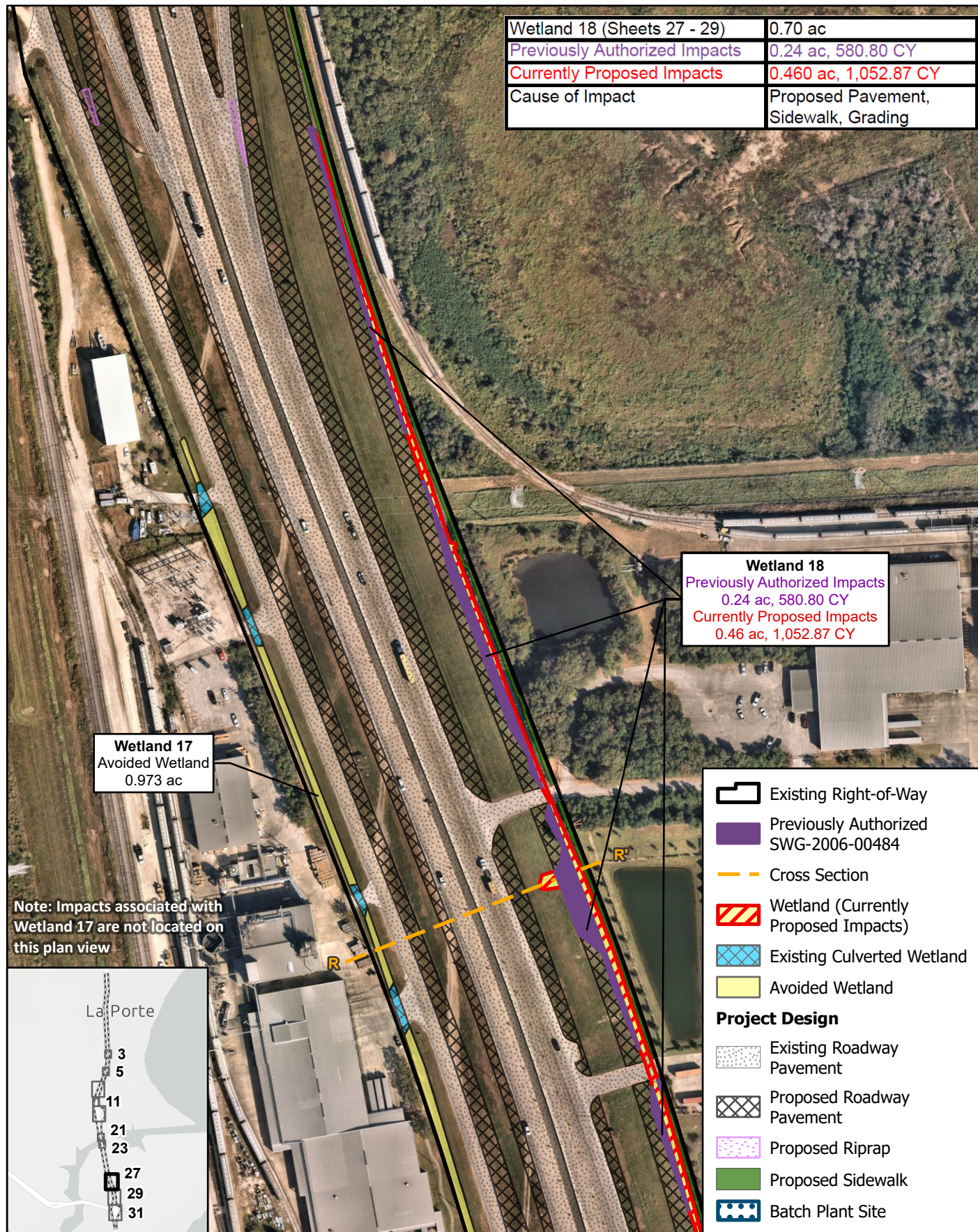


CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)

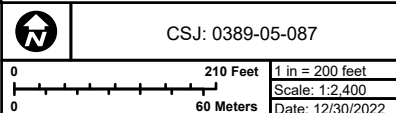




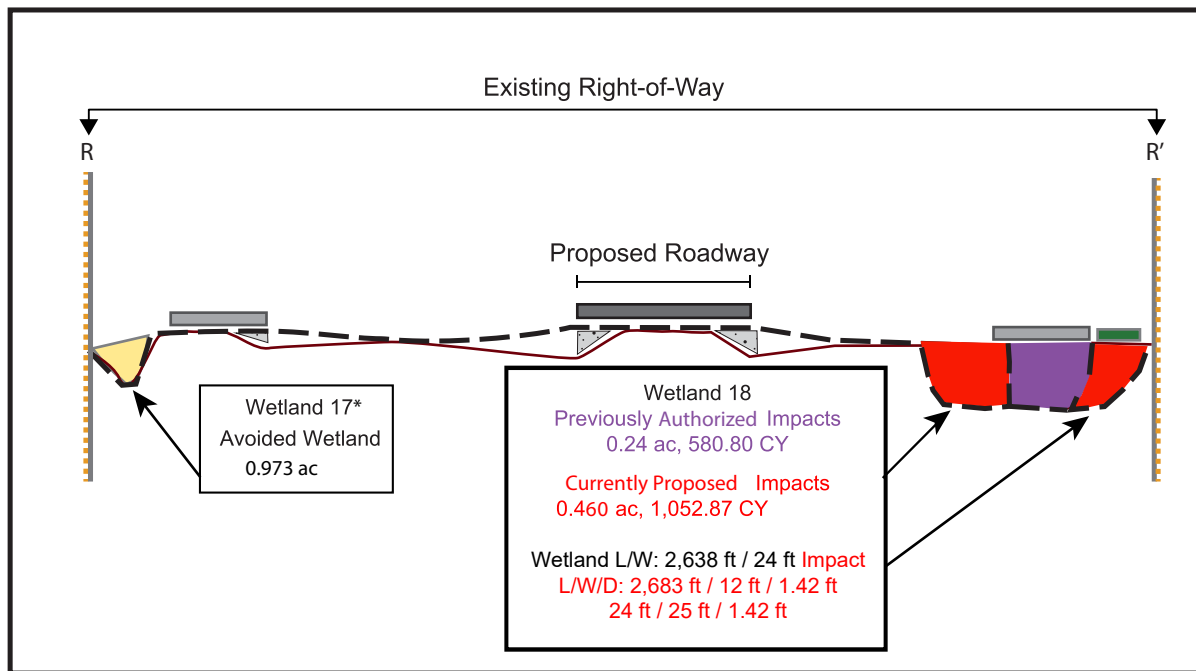
Sheet 27 of 33  
Crossings 11 and 12

SH 146 from Fairmont to Red Bluff

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)







\*Note: Impacts associated with Wetland 17 are not located on this cross section.

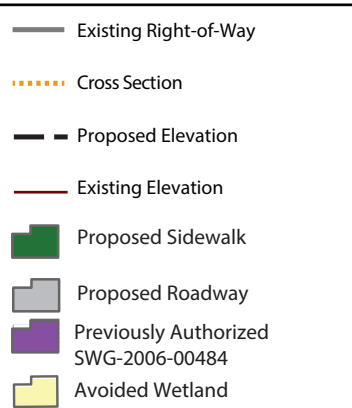


ILLUSTRATION NOT TO SCALE

Wetland 18 (Sheets 27 - 29)	0.70 ac
Previously Authorized Impacts	0.24 ac, 580.80 CY
Currently Proposed Impacts	0.460 ac, 1,052.87 CY
Cause of Impact	Proposed Pavement, Sidewalk, Grading

Sheet 28 of 33  
Wetland 17 and Wetland 18



CSJ: 0389-05-087
















SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)

Wetland 17 (Sheets 29 - 32)	0.98 ac
Previously Authorized Impacts	0.004 ac, 6.45 CY
Currently Proposed Impacts	N/A
Cause of Impact	Proposed Pavement, Sidewalk
Wetland 18 (Sheets 27 - 29)	0.70 ac
Previously Authorized Impacts	0.24 ac, 580.80 CY
Currently Proposed Impacts	0.460 ac, 1,052.87 CY
Cause of Impact	Proposed Pavement, Sidewalk

**Wetland 18**  
Previously Authorized Impacts  
0.24 Acre, 580.80 CY  
Currently Proposed Impacts  
0.46 ac, 1,052.87 CY

**Wetland 17**  
Previously Permitted Impacts  
0.004 Acre, 6.45 CY

-  Existing Right-of-Way
-  Previously Authorized SWG-2006-00484
-  Cross Section
-  Wetland (Currently Proposed Impacts)
-  Existing Culverted Wetland
-  Avoided Wetland
- Project Design**
-  Abutment
-  Bent
-  Bridge Footprint
-  Proposed Detention Pond
-  Existing Roadway Pavement
-  Proposed Roadway Pavement
-  Proposed Riprap
-  Proposed Sidewalk
-  Batch Plant Site

## Sheet 29 of 33 Crossings 11 and 12

SH 146 from Fairmont to Red Bluff

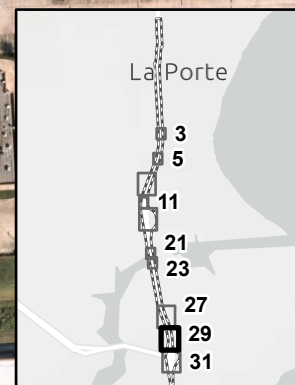
Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)

Path: P:\TXHO1900861.03 - SH 146 (RedBluff)\8.70 GIS Data\8.70 Maps\SH-146 CrossSections PlanView 2022-12-15.aprx - SH146 PCN Sheet X Crossings PG29

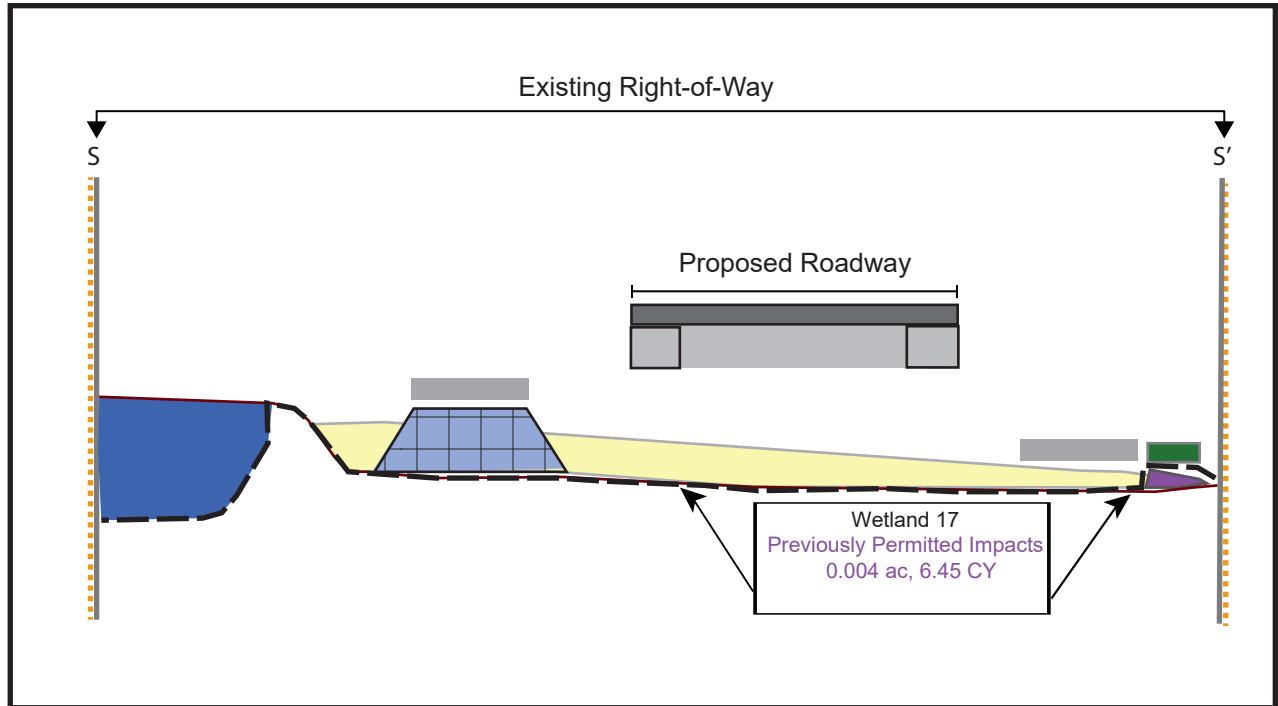


CSJ: 0389-05-087

0 210 Feet 1 in = 200 feet  
0 60 Meters Scale: 1:2,400  
Date: 12/30/2022







- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation Existing
- Roadway
- Sidewalk
- Bridge Footprint
- Proposed Detention Pond
- Existing Culvert
- Previously Authorized SWG-2006-00484
- Avoided Wetland

**ILLUSTRATION NOT TO SCALE**

Wetland 17 (Sheets 29 - 32)	0.98 ac
Previously Authorized Impacts	0.004 ac, 6.45 CY
Currently Proposed Impacts	N/A
Cause of Impact: Sidewalk	

**Sheet 30 of 33**  
**Wetland 17**

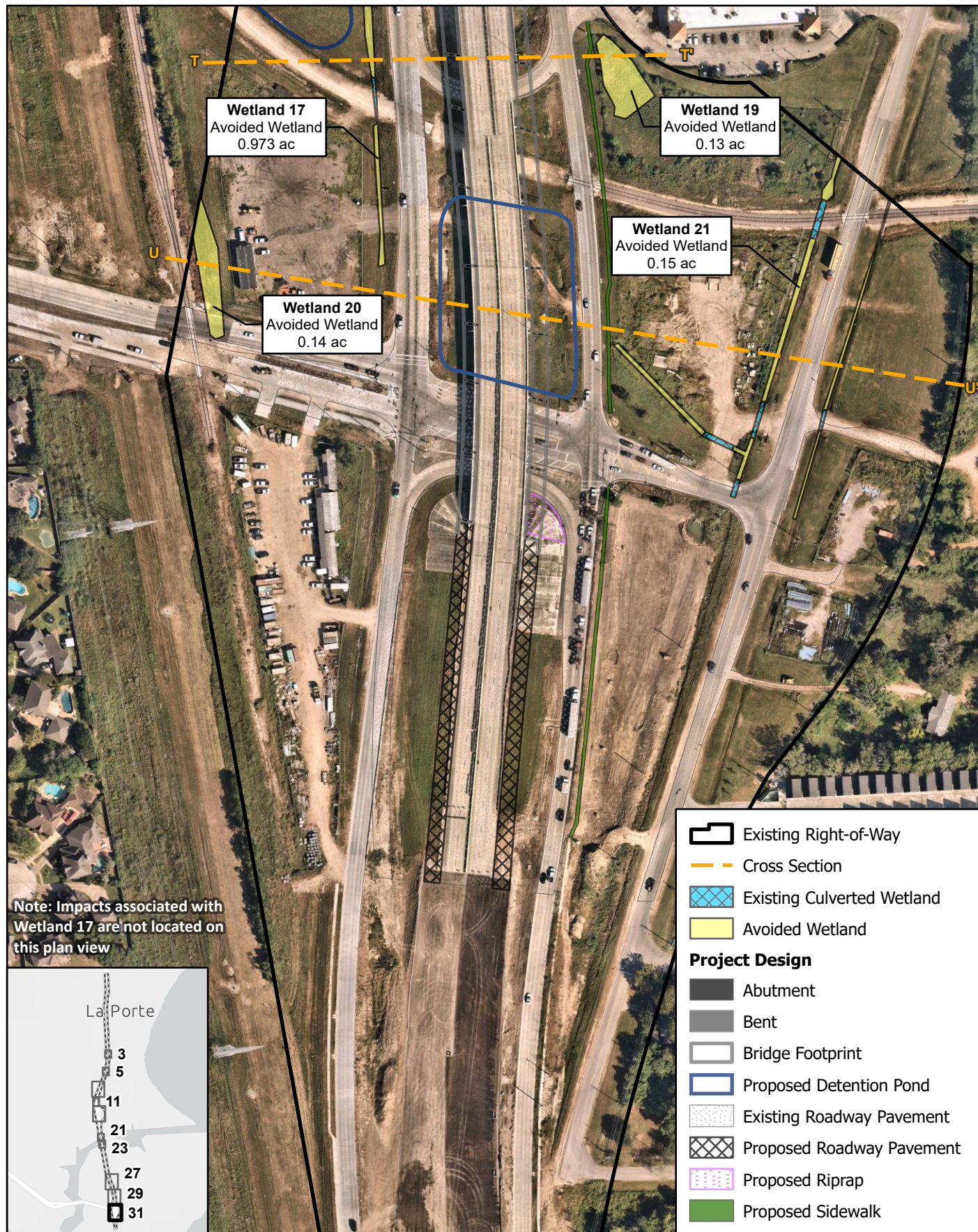


CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)

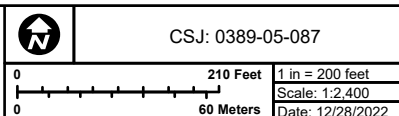




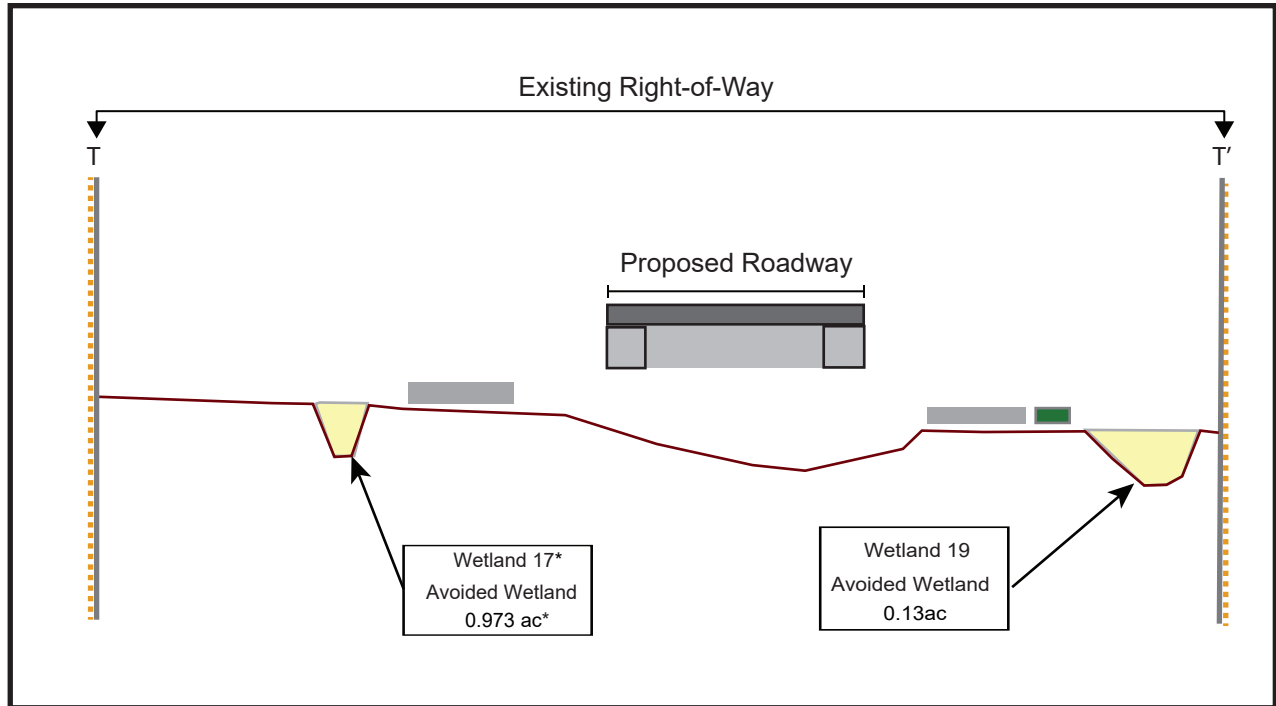
Sheet 31 of 33  
Crossings 11, 13, 14, and 15

SH 146 from Fairmont to Red Bluff

Data Sources:  
Nearmap Imagery (2022), CMEC (2020), TxDOT (2019)







\*Note: Impacts associated with Wetland 17 are not located on this cross section

- Existing Right-of-Way
- ..... Cross Section
- Existing and Proposed Elevation
- Existing Roadway
- Proposed Sidewalk
- Bridge Footprint
- Avoided Wetland

ILLUSTRATION NOT TO SCALE

Sheet 32 of 33  
Wetland 17 and Wetland 19

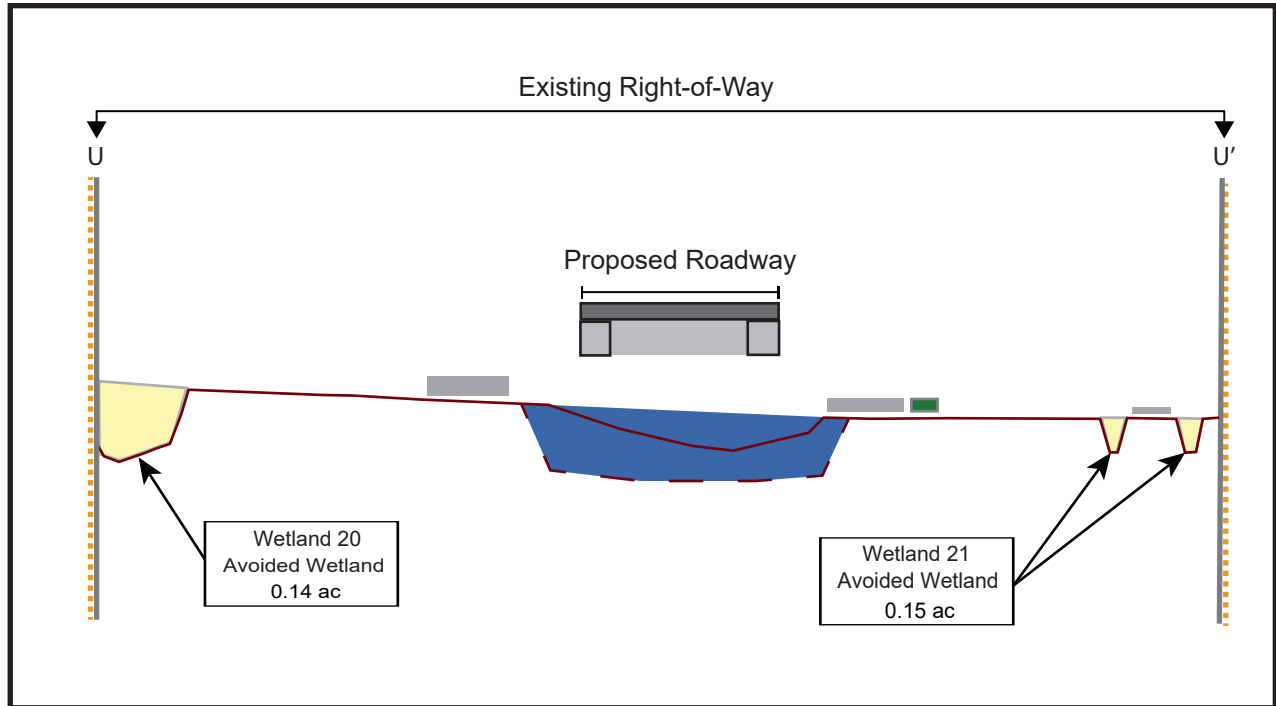


CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)





- Existing Right-of-Way
- ..... Cross Section
- - - Proposed Elevation
- Existing Elevation
- Proposed Detention Pond
- Existing Roadway
- Proposed Sidewalk
- Bridge Footprint
- Avoided Wetland

ILLUSTRATION NOT TO SCALE

Sheet 33 of 33  
Wetland 20 and Wetland 21



CSJ: 0389-05-087

SH 146 from Fairmont to Red Bluff

Data Sources:  
CMEC (2020), TxDOT (2019)