

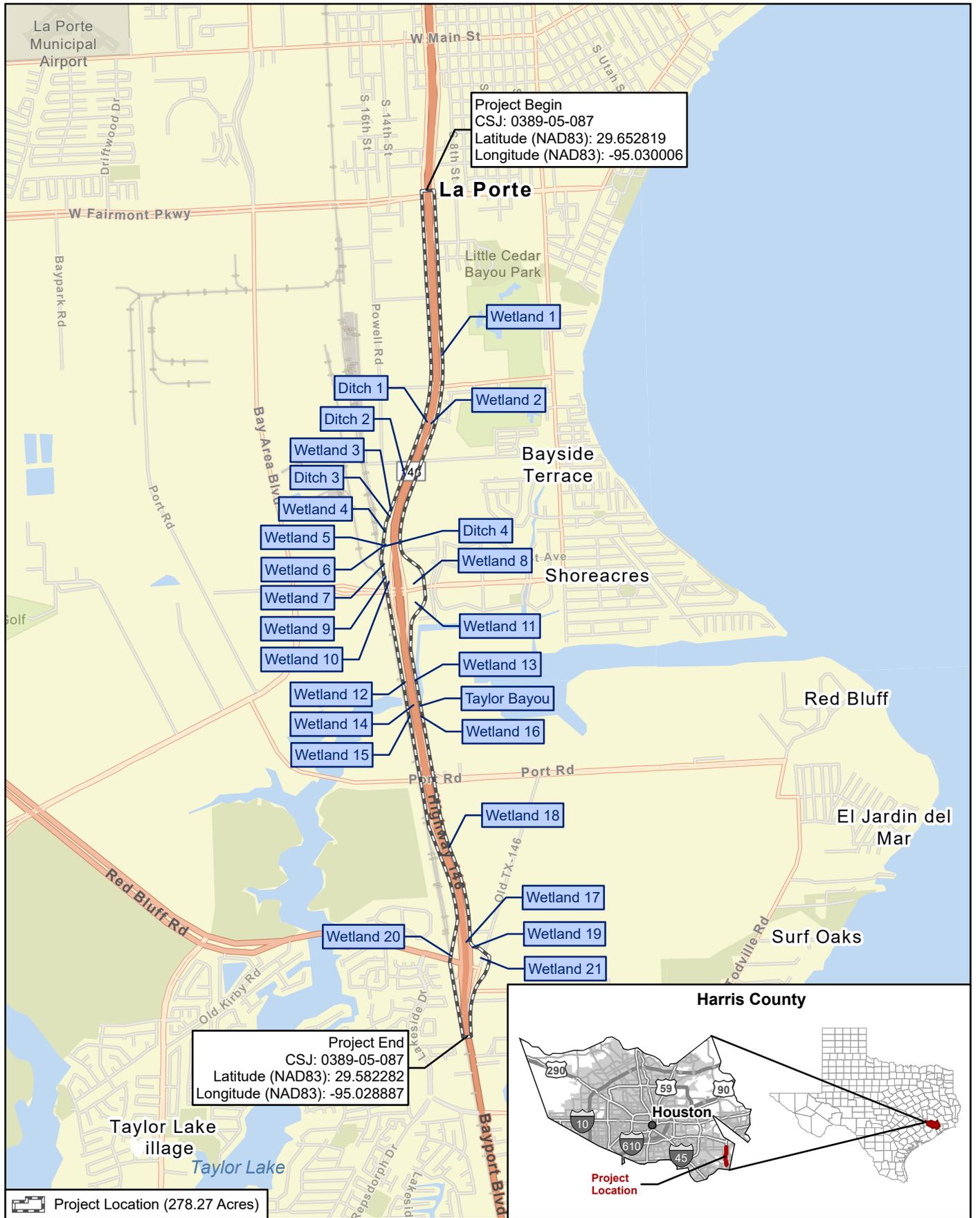
Map Sheet Overview

SH 146 from Fairmont to Red Bluff

Path: P:\TXHO1900861.03 - SH 146 (RedBluff)\8.70 GIS Data\8.7.05 Maps\SH-146 CrossSections PlanView 2022-12-15.aprx - SH146 PCN Sheet X Crossings Overview

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

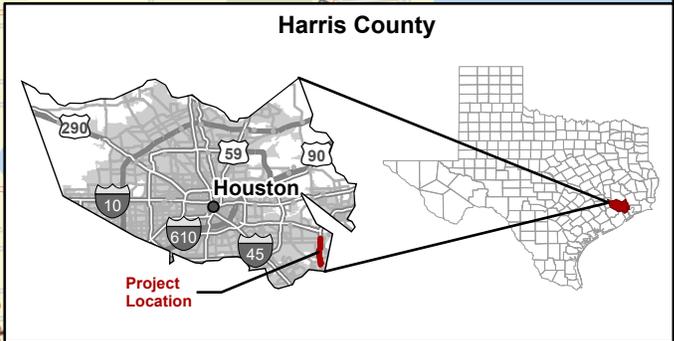
	CSJ: 0389-05-087
	1 in = 3,500 feet
	Scale: 1:42,000
	Date: 12/28/2022



Project Location (278.27 Acres)

Sheet 1 of 33
Project Location (Road Base)

SH 146 from Fairmont to Red Bluff



Harris County

Houston

Project Location

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

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

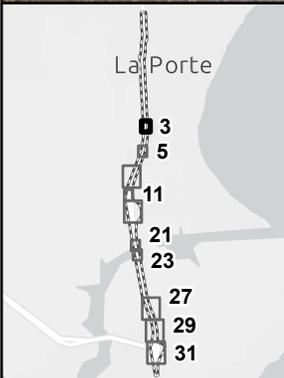
Wetland 1
Previously Authorized Impacts
0.01 Acre, 8.07 CY

A ----- A'

-  Existing Right-of-Way
-  Previously Authorized SWG-2006-00484
-  Cross Section
-  Avoided Wetland

Project Design

-  Existing Roadway Pavement
-  Proposed Roadway Pavement
-  Proposed Riprap
-  Proposed Sidewalk
-  Batch Plant Site



Sheet 3 of 33
Crossing 1

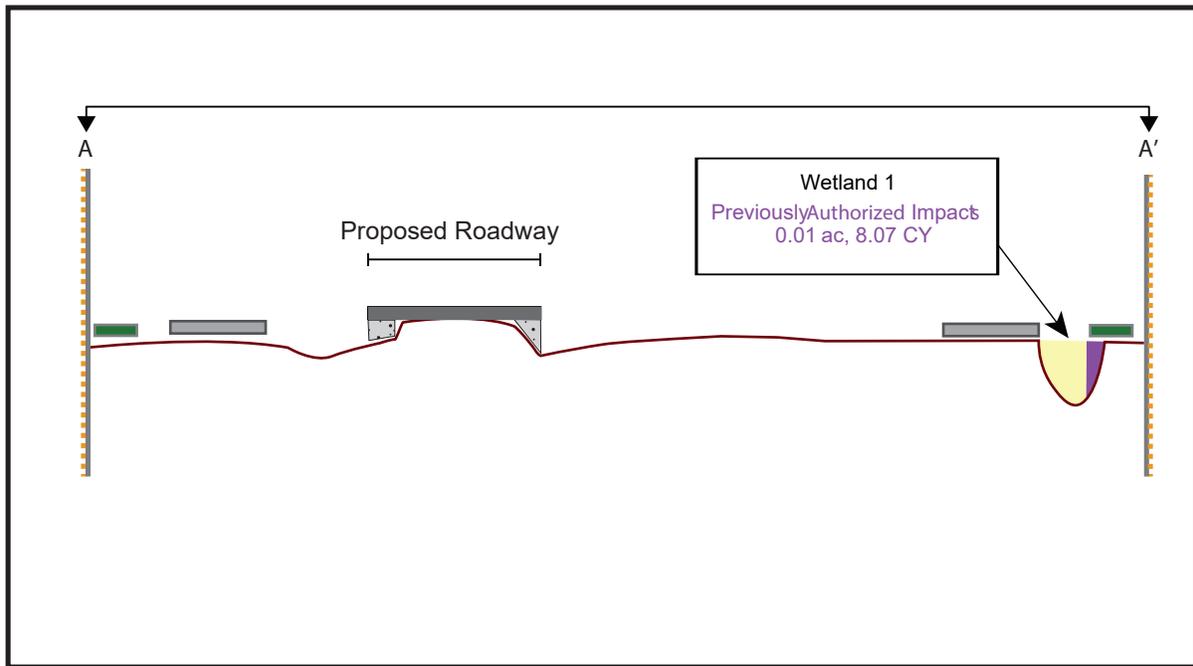
SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

0 100 Feet 1 in. = 100 feet
0 30 Meters Scale: 1:1,200
Date: 12/30/2022

Existing Right-of-Way



-  Existing Right-of-Way
-  Cross 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

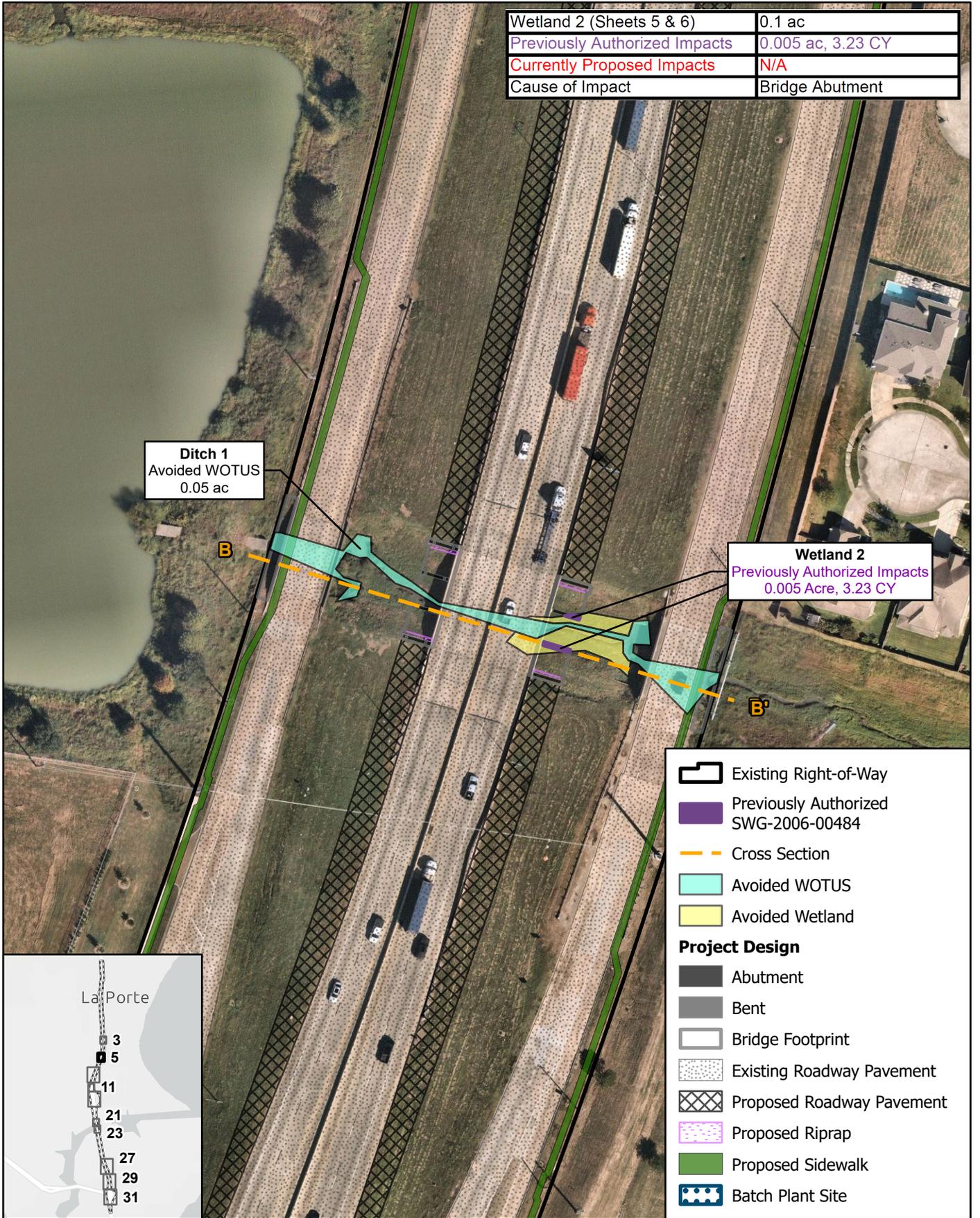
Wetland 1 (Sheets 3 & 4)	0.03 ac
Previously Authorized Impacts	0.01 ac, 8.07 CY
Currently Proposed Impacts	N/A
Cause of Impact	Sidewalk

Sheet 4 of 33
Wetland 1



CSJ: 0389-05-087

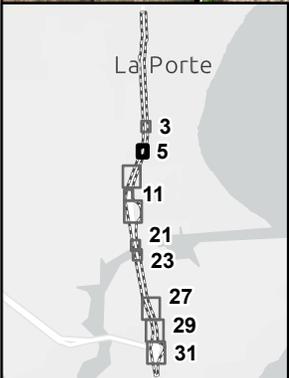
Wetland 2 (Sheets 5 & 6)	0.1 ac
Previously Authorized Impacts	0.005 ac, 3.23 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge Abutment



Ditch 1
Avoided WOTUS
0.05 ac

Wetland 2
Previously Authorized Impacts
0.005 Acre, 3.23 CY

- 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
- Proposed Sidewalk
- Batch Plant Site



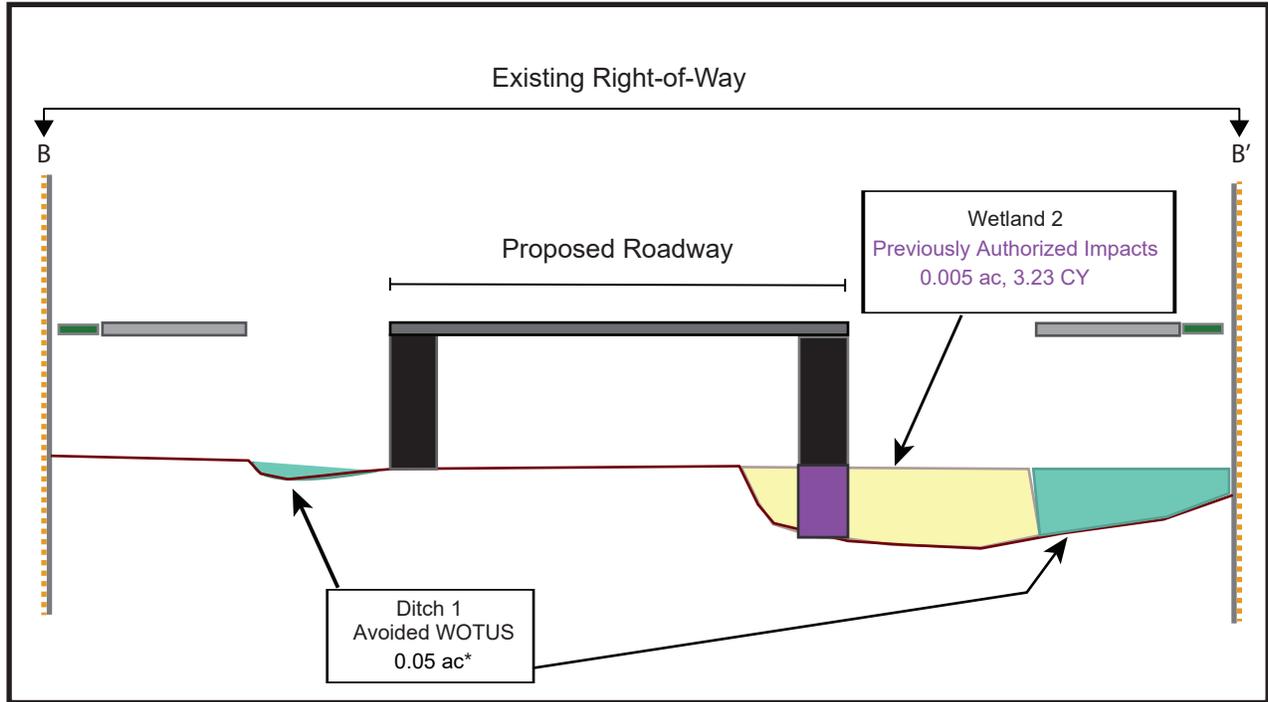
Sheet 5 of 33
Crossing 2

SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

0 100 Feet 1 in. = 100 feet
0 30 Meters Scale: 1:1,200
Date: 12/30/2022



*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



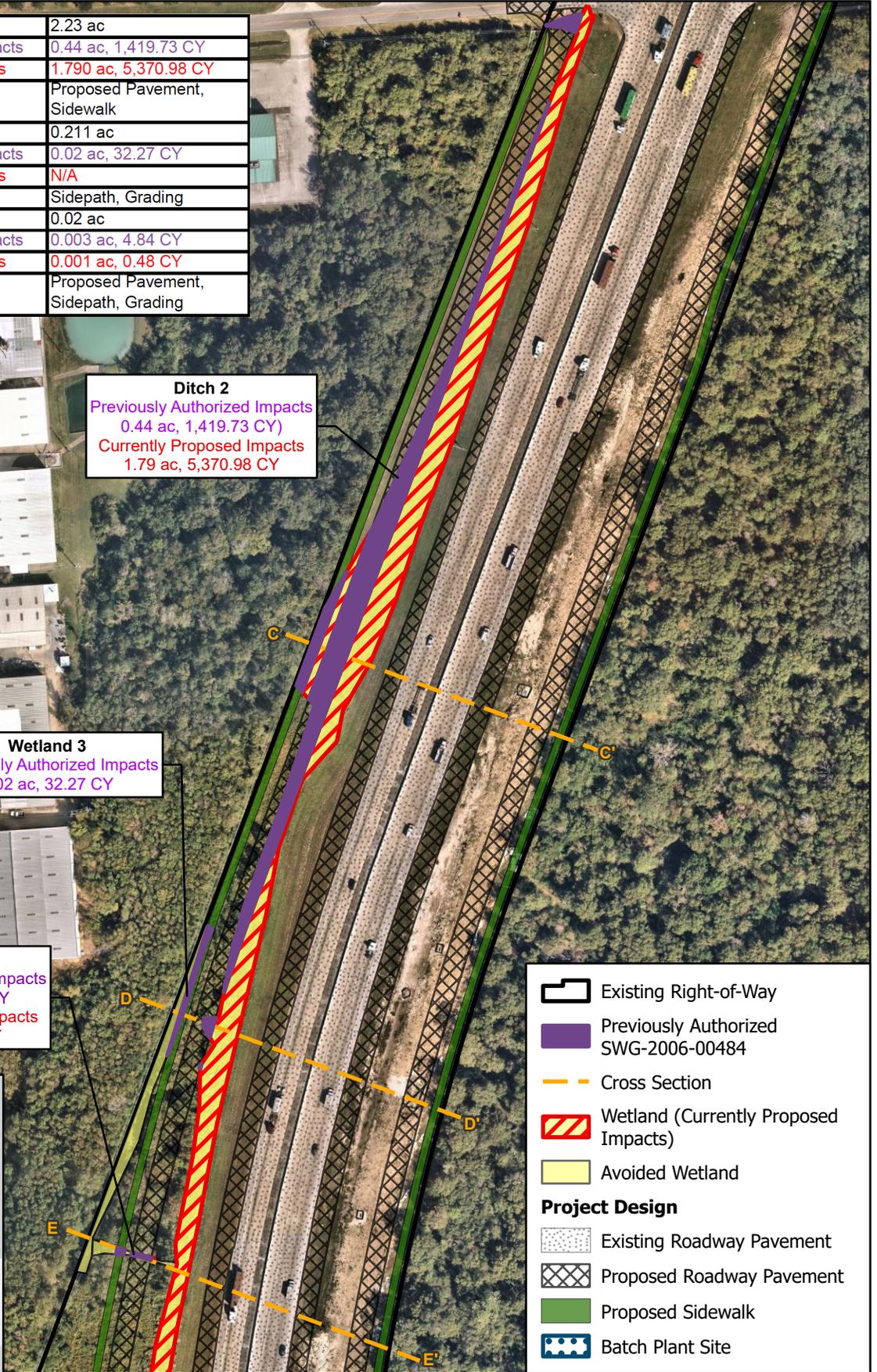
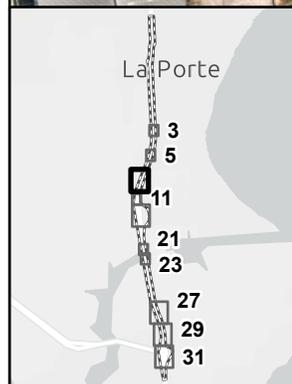
CSJ: 0389-05-087

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

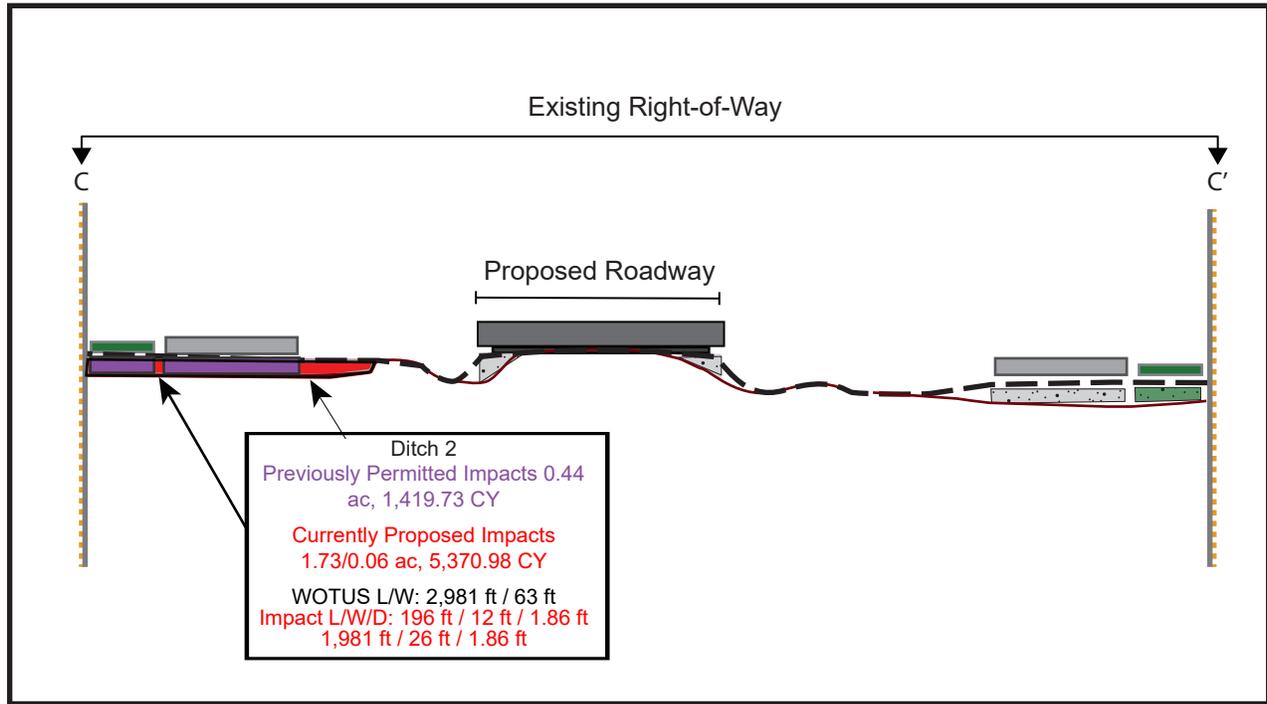
Sheet 7 of 33
Crossing 3

SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

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
- Proposed Roadway
- Proposed Sidewalk
- Wetland
(Currently Proposed Impacts)
- Permitted under
SWG-2006-00484

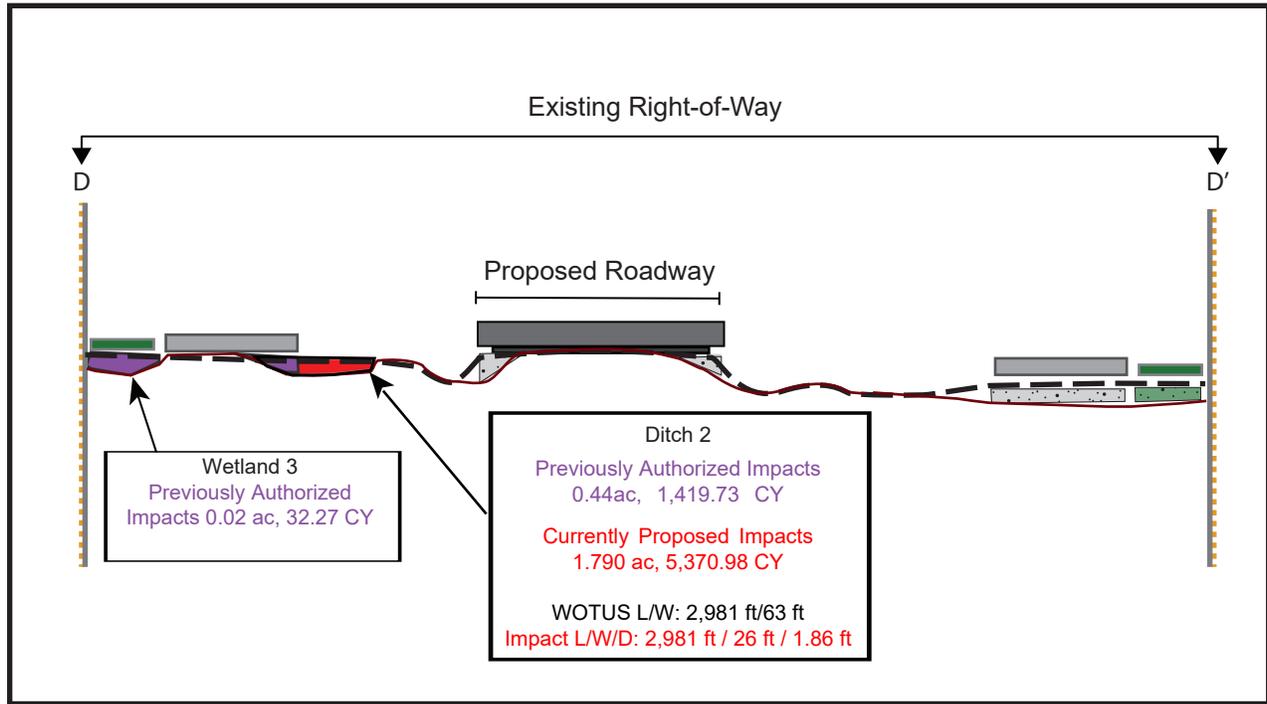
ILLUSTRATION NOT TO SCALE

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

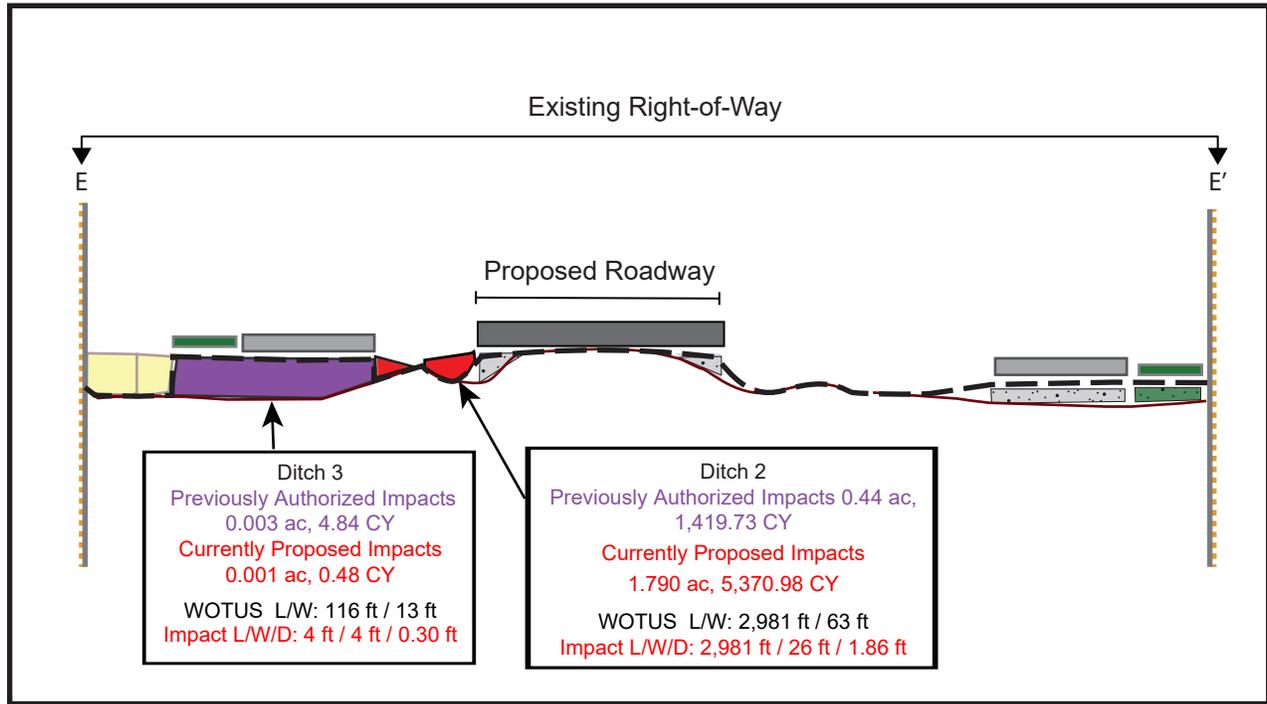


	Existing Right-of-Way
	Cross Section
	Proposed Elevation
	Existing Elevation
	Proposed Roadway
	Proposed Sidewalk
	Wetland (Currently Proposed Impacts)
	Previously Authorized SWG-2006-00484

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





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

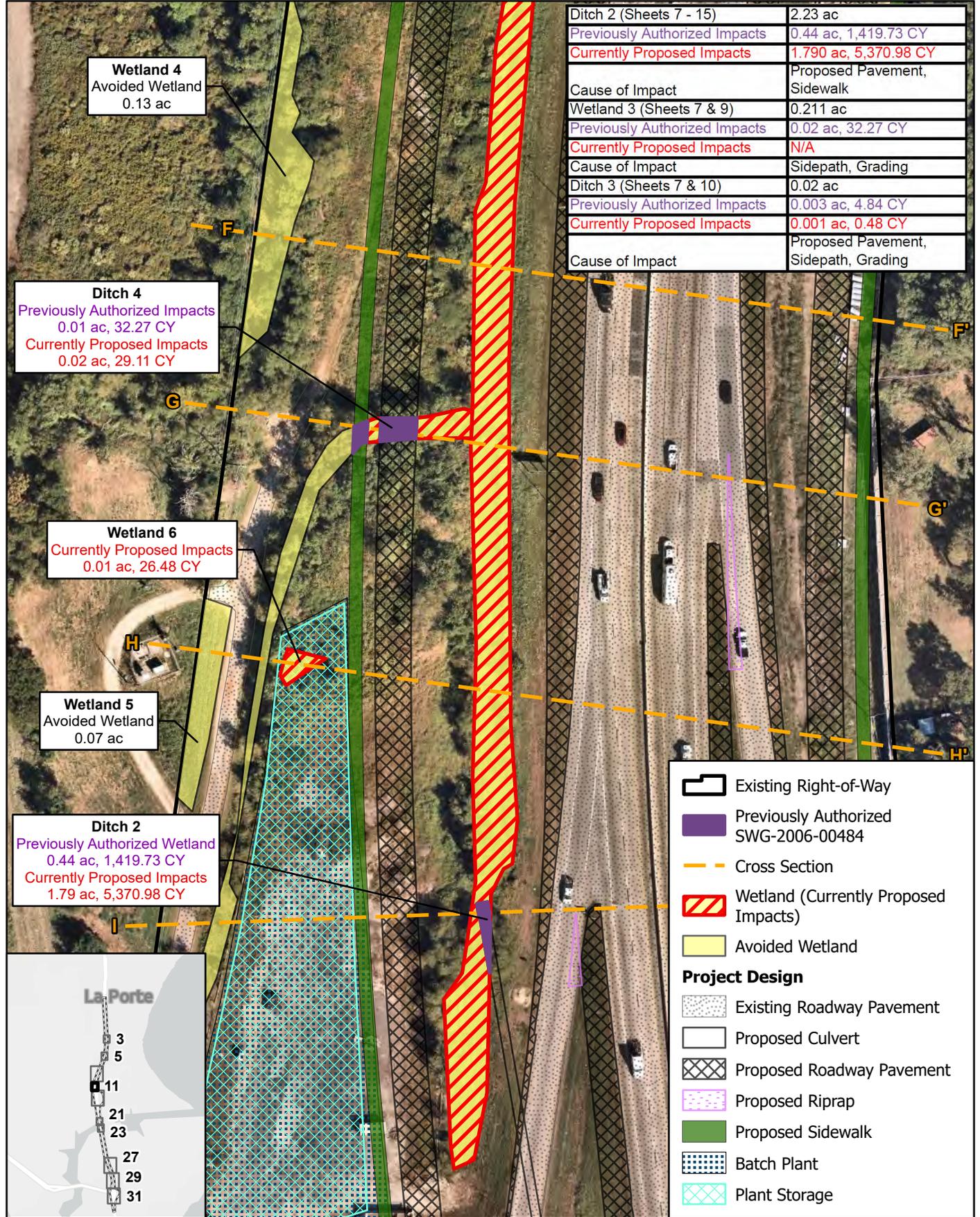
ILLUSTRATION NOT TO SCALE

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
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



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	Sidewalk, 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, Sidewalk, Grading

Ditch 4
Previously Authorized Impacts
0.01 ac, 32.27 CY
Currently Proposed Impacts
0.02 ac, 29.11 CY

Wetland 6
Currently Proposed Impacts
0.01 ac, 26.48 CY

Wetland 5
Avoided Wetland
0.07 ac

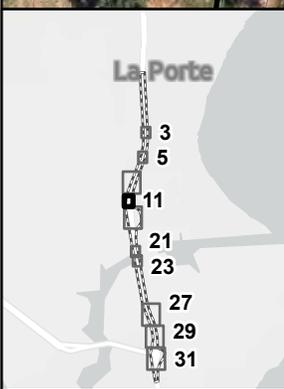
Ditch 2
Previously Authorized Wetland
0.44 ac, 1,419.73 CY
Currently Proposed Impacts
1.79 ac, 5,370.98 CY

Legend

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

Project Design

- Existing Roadway Pavement
- Proposed Culvert
- Proposed Roadway Pavement
- Proposed Riprap
- Proposed Sidewalk
- Batch Plant
- Plant Storage



Sheet 11 of 33
Crossing 3

SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

0 100 Feet 1 in. = 100 feet
0 30 Meters Scale: 1:1,200
Date: 1/30/2023

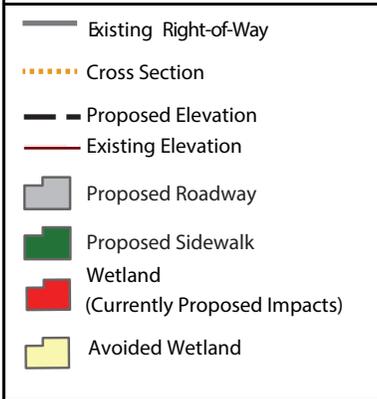
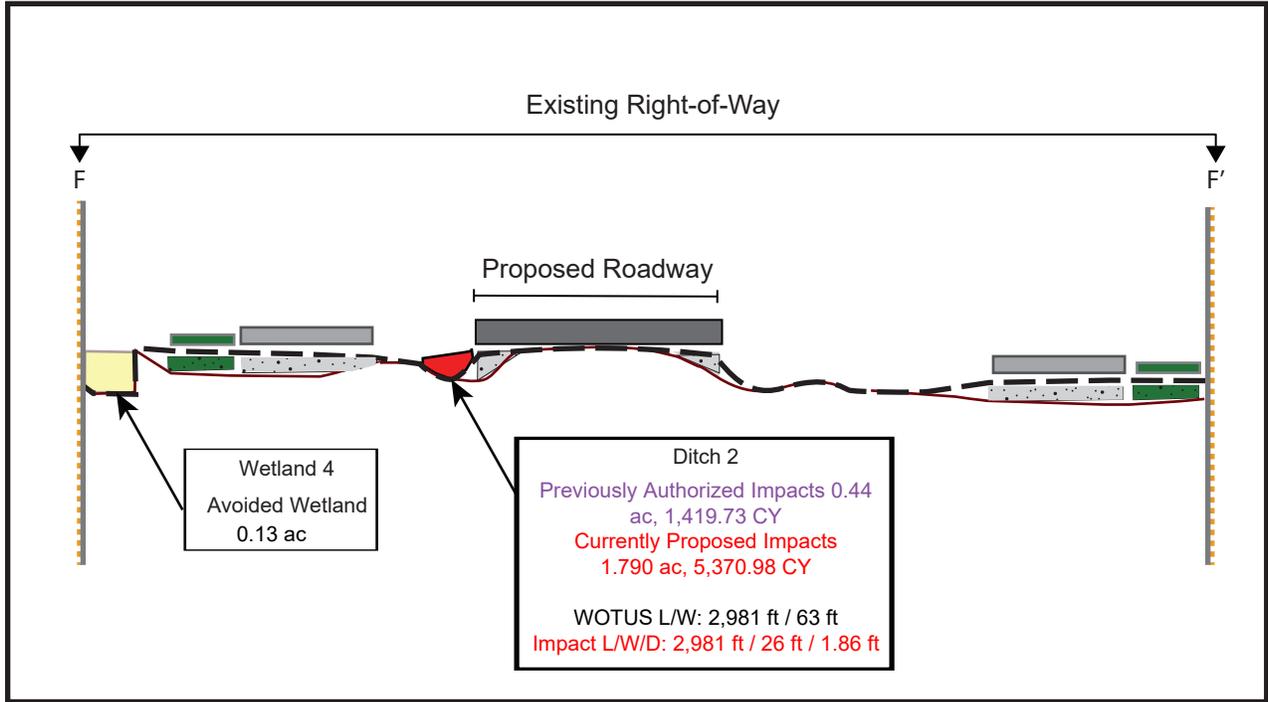


ILLUSTRATION NOT TO SCALE

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



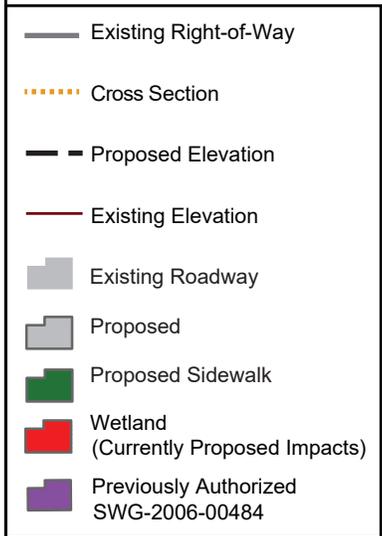
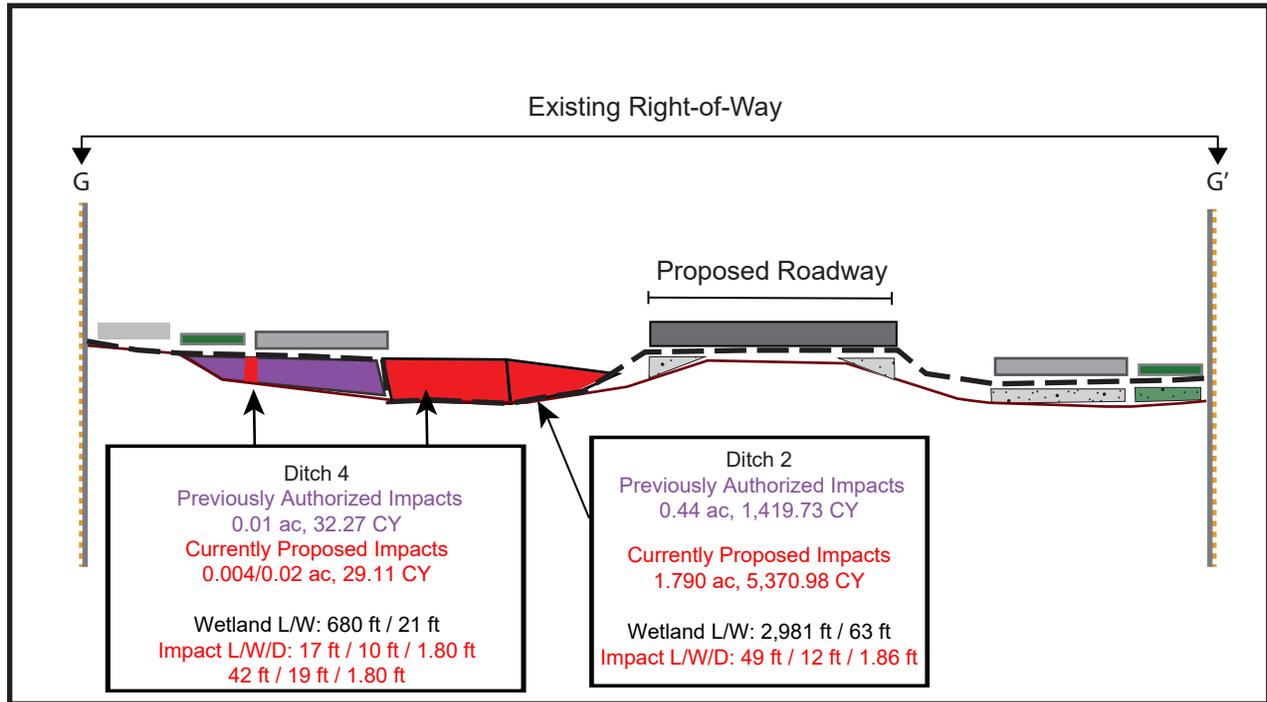


ILLUSTRATION NOT TO SCALE

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

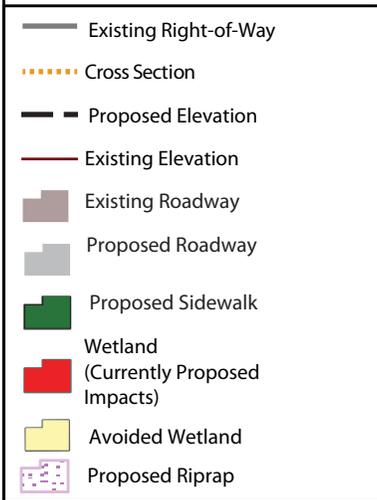
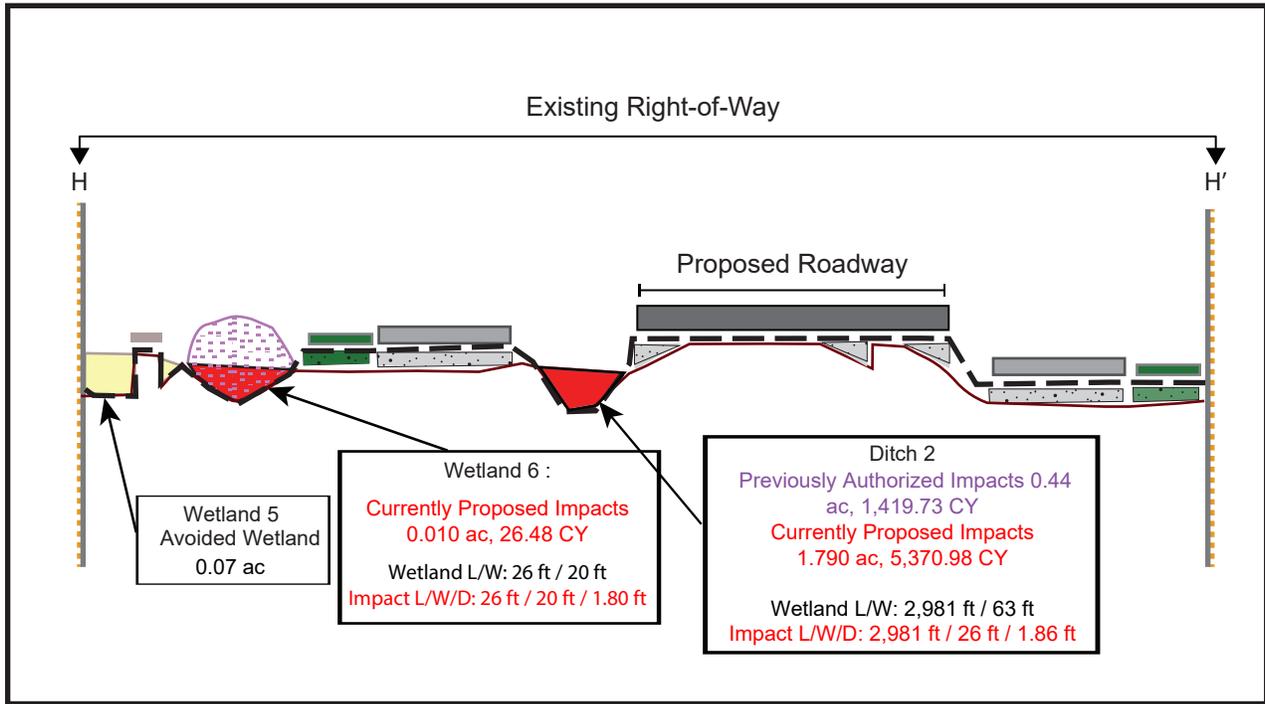
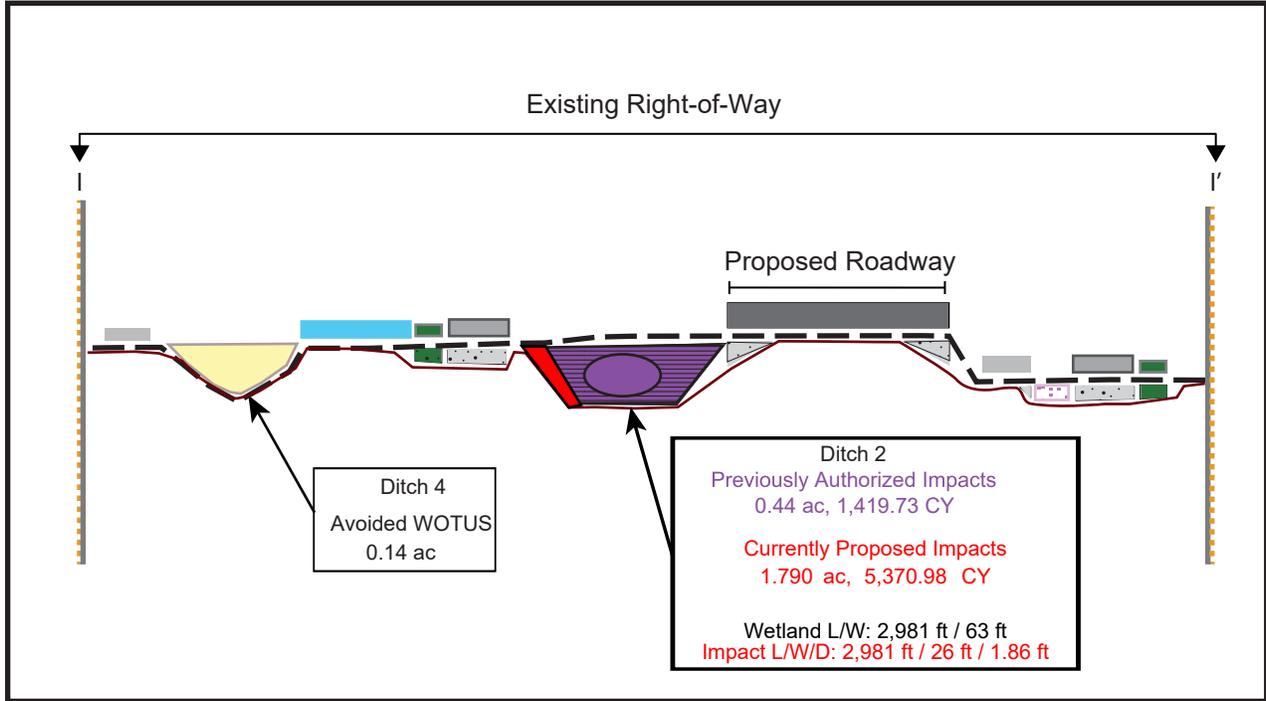


ILLUSTRATION NOT TO SCALE

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





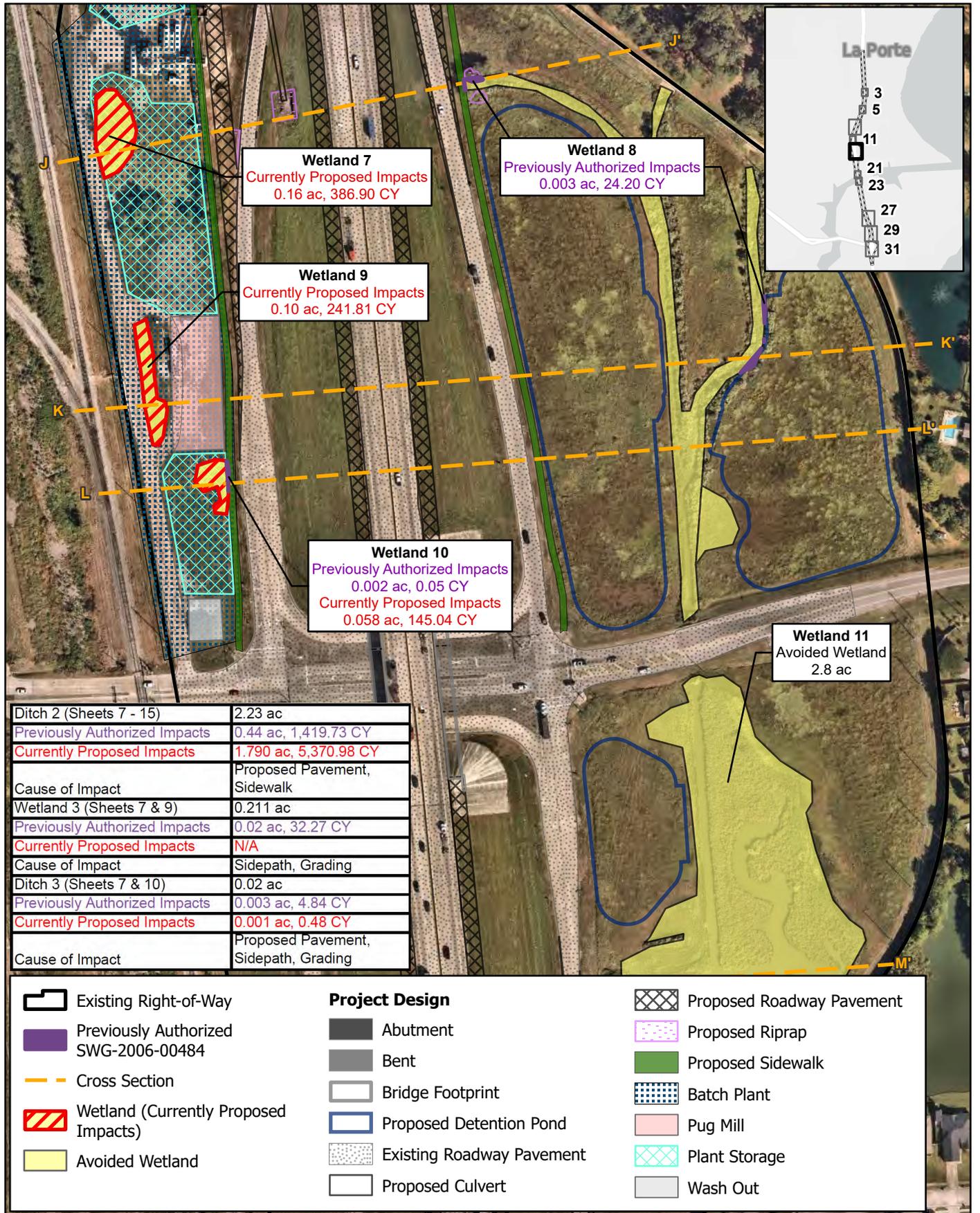
*Note: Impacts associated with Ditch 4 are not located in this cross section.

	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





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	Sidewalk, 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, Sidewalk, Grading

Existing Right-of-Way	Project Design	Proposed Roadway Pavement
Previously Authorized SWG-2006-00484	Abutment	Proposed Riprap
Cross Section	Bent	Proposed Sidewalk
Wetland (Currently Proposed Impacts)	Bridge Footprint	Batch Plant
Avoided Wetland	Proposed Detention Pond	Pug Mill
	Existing Roadway Pavement	Plant Storage
	Proposed Culvert	Wash Out

Sheet 16 of 33
Crossing 3

SH 146 from Fairmont to Red Bluff

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

	CSJ: 0389-05-087	
	0 210 Feet	1 in = 200 feet
0 60 Meters	Scale: 1:2,400	Date: 1/30/2023

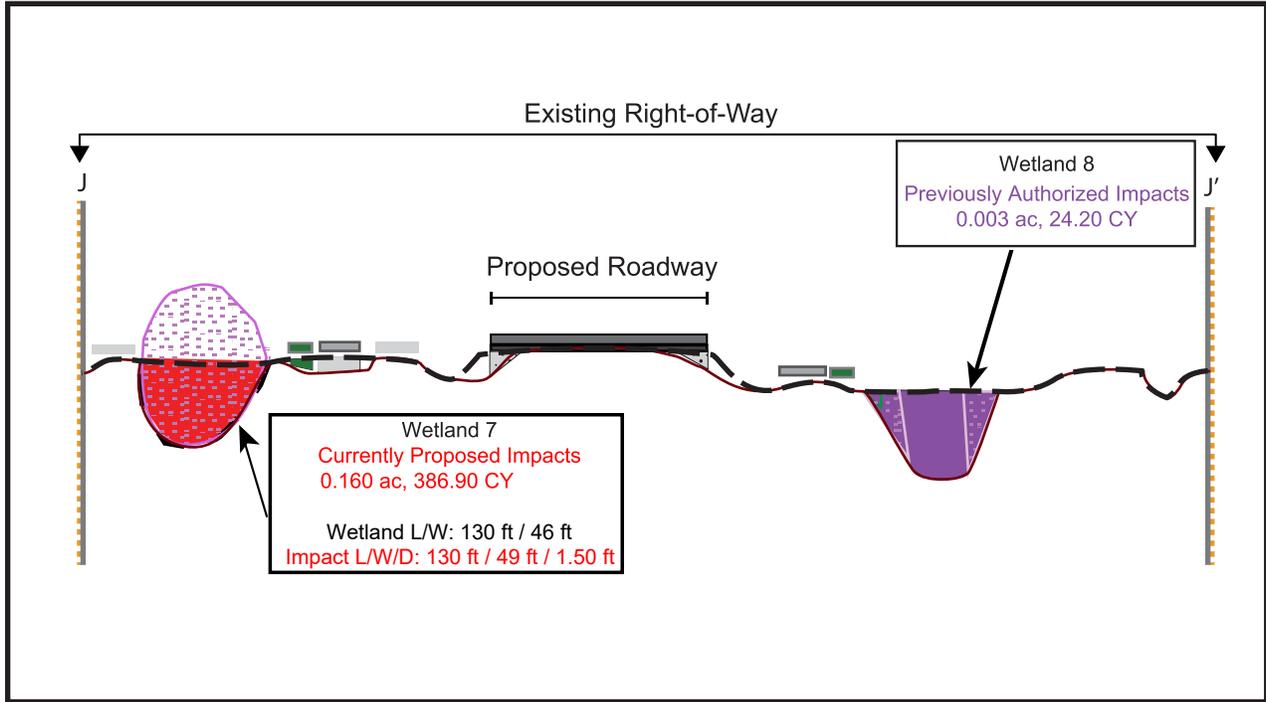
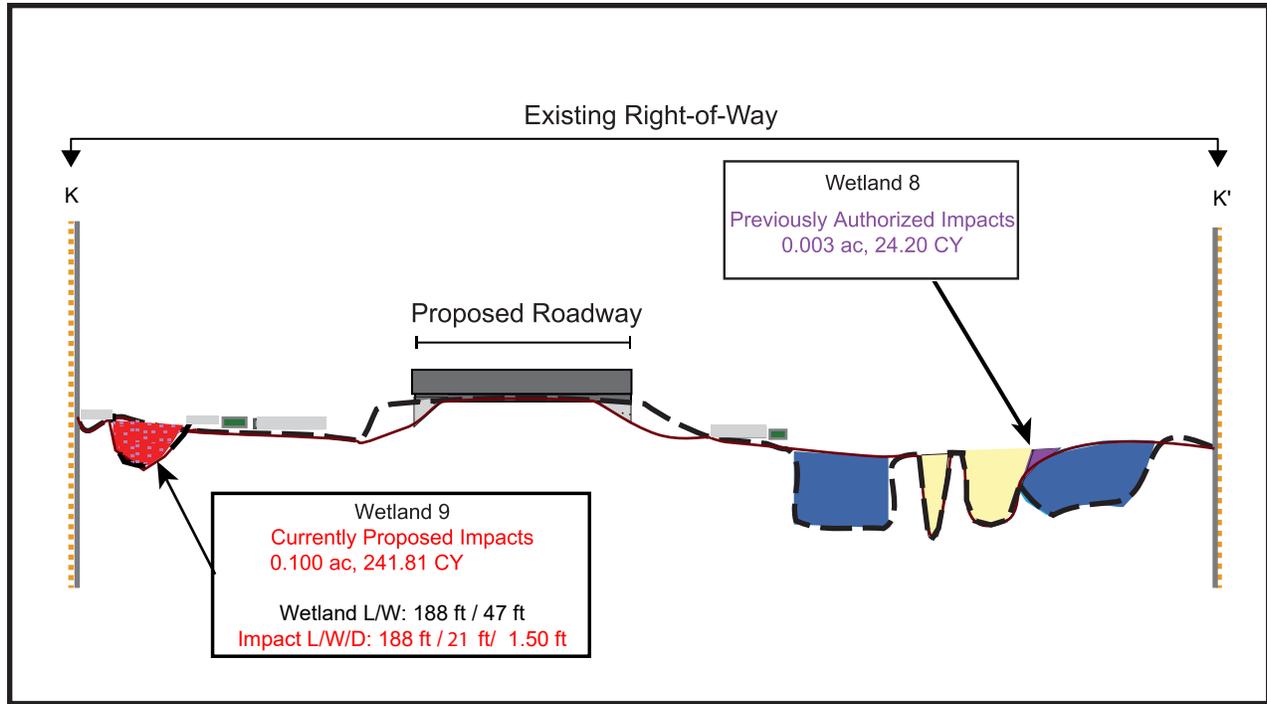


ILLUSTRATION NOT TO SCALE

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	



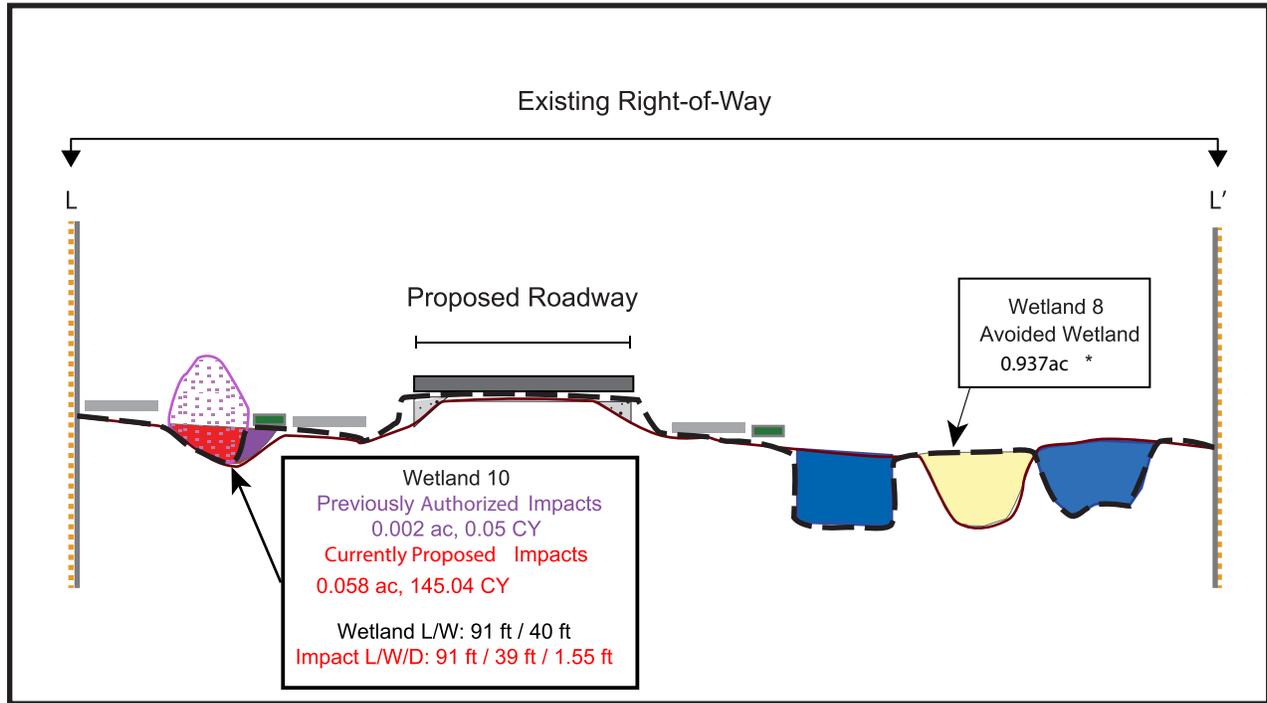


-  Existing Right-of-Way
-  Cross Section
-  Proposed Elevation
-  Existing Elevation
-  Proposed Sidewalk
-  Existing Roadway
-  Proposed Roadway
-  Avoided Wetland
-  Wetland (Currently Proposed Impacts)
-  Detention Pond
-  Previously Authorized SWG-2006-00484
-  Proposed Riprap

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	





*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

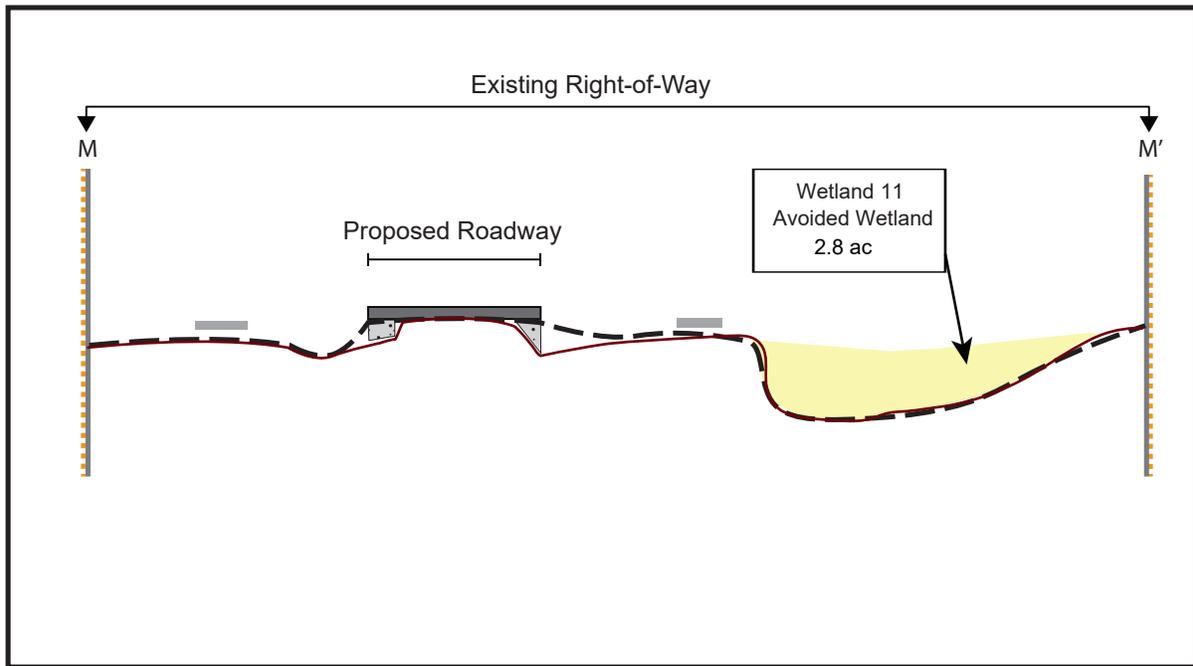
ILLUSTRATION NOT TO SCALE

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: Sidepath	

Sheet 19 of 33
Wetland 8 and Wetland 10



CSJ: 0389-05-087



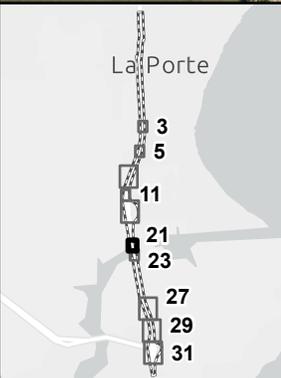
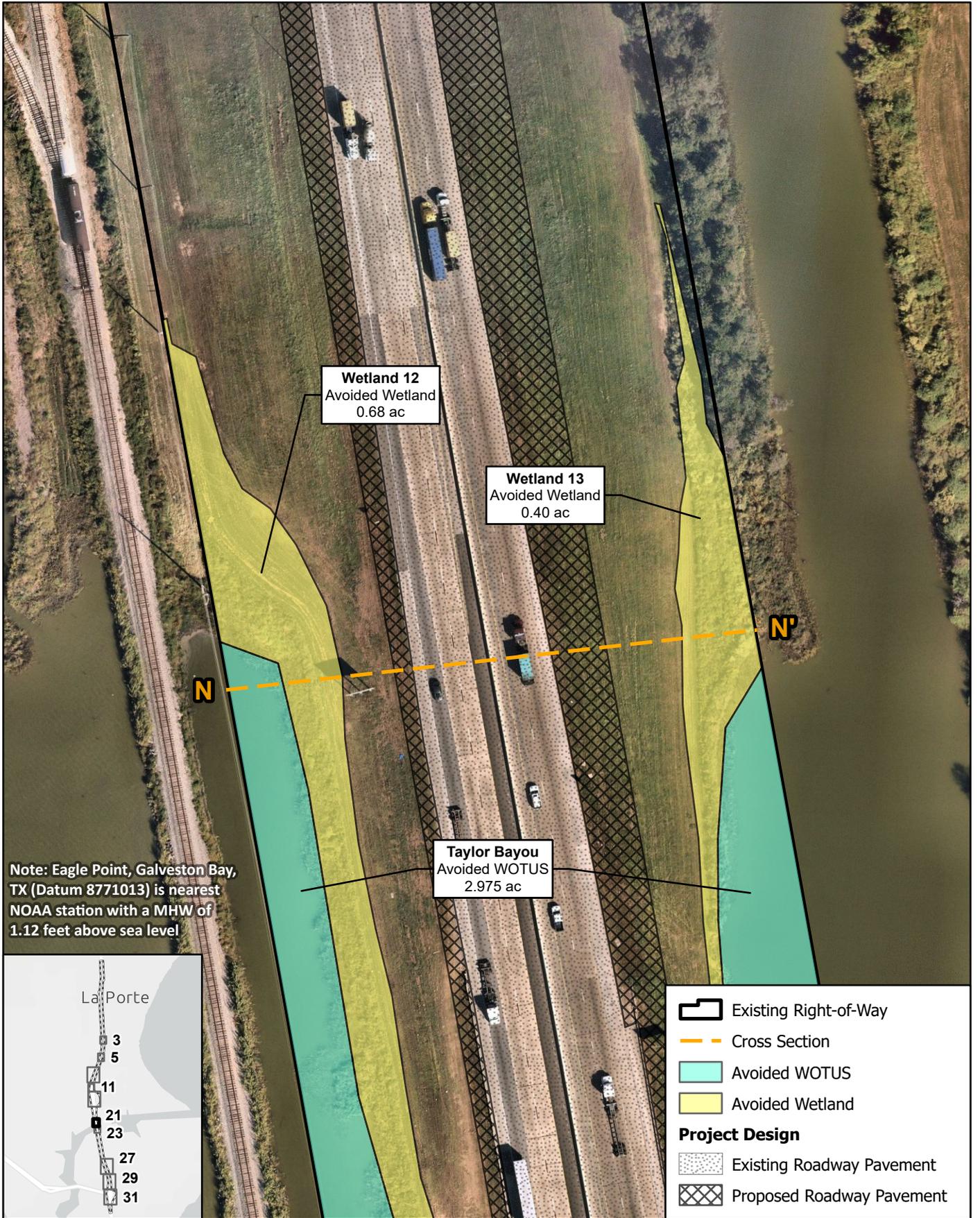
- Existing Right-of-Way
- Cross Section
- Proposed Elevation
- Existing Elevation
- Existing Roadway
- Proposed Roadway
- Avoided Wetland

ILLUSTRATION NOT TO SCALE

Sheet 20 of 33
Wetland 11



CSJ: 0389-05-087



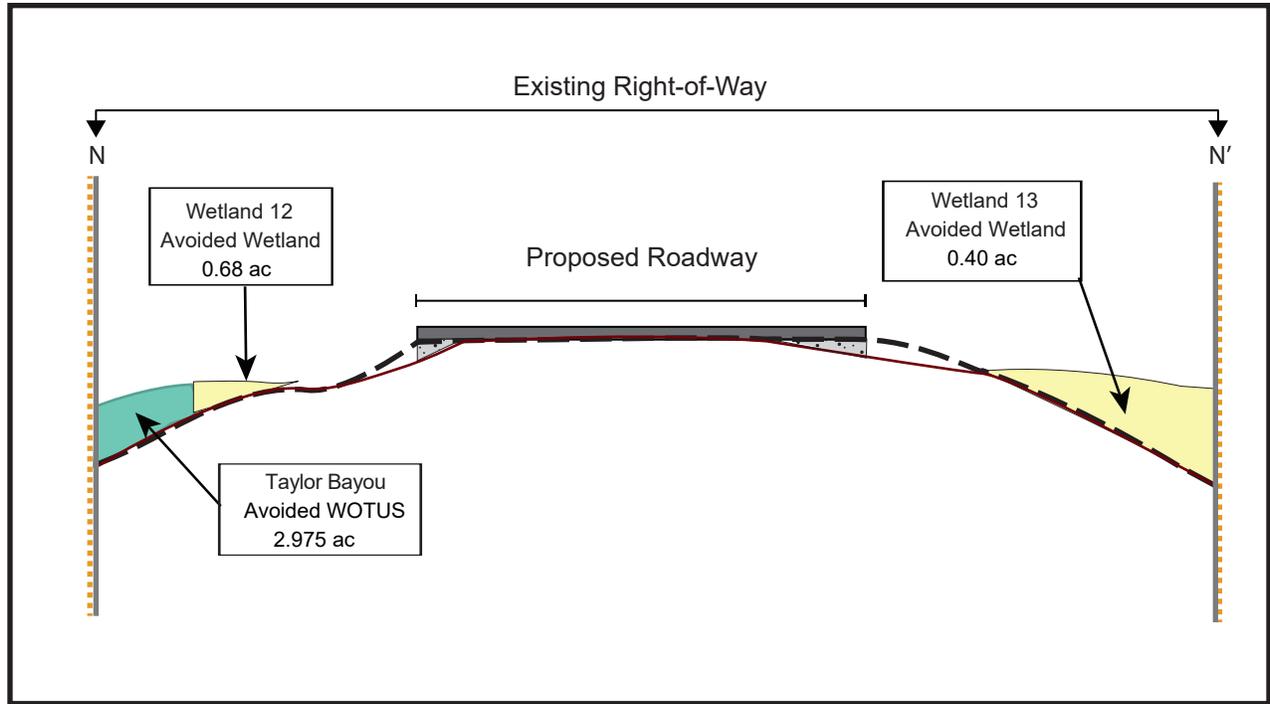
Sheet 21 of 33
Crossing 10

SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

0 100 Feet 1 in. = 100 feet
0 30 Meters Scale: 1:1,200
Date: 12/28/2022



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

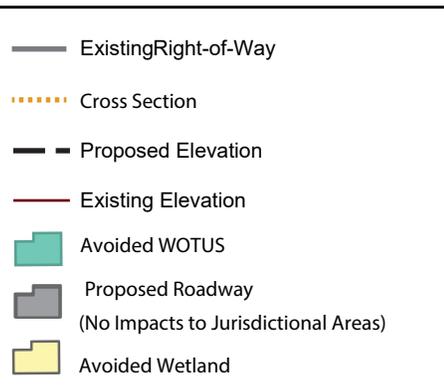


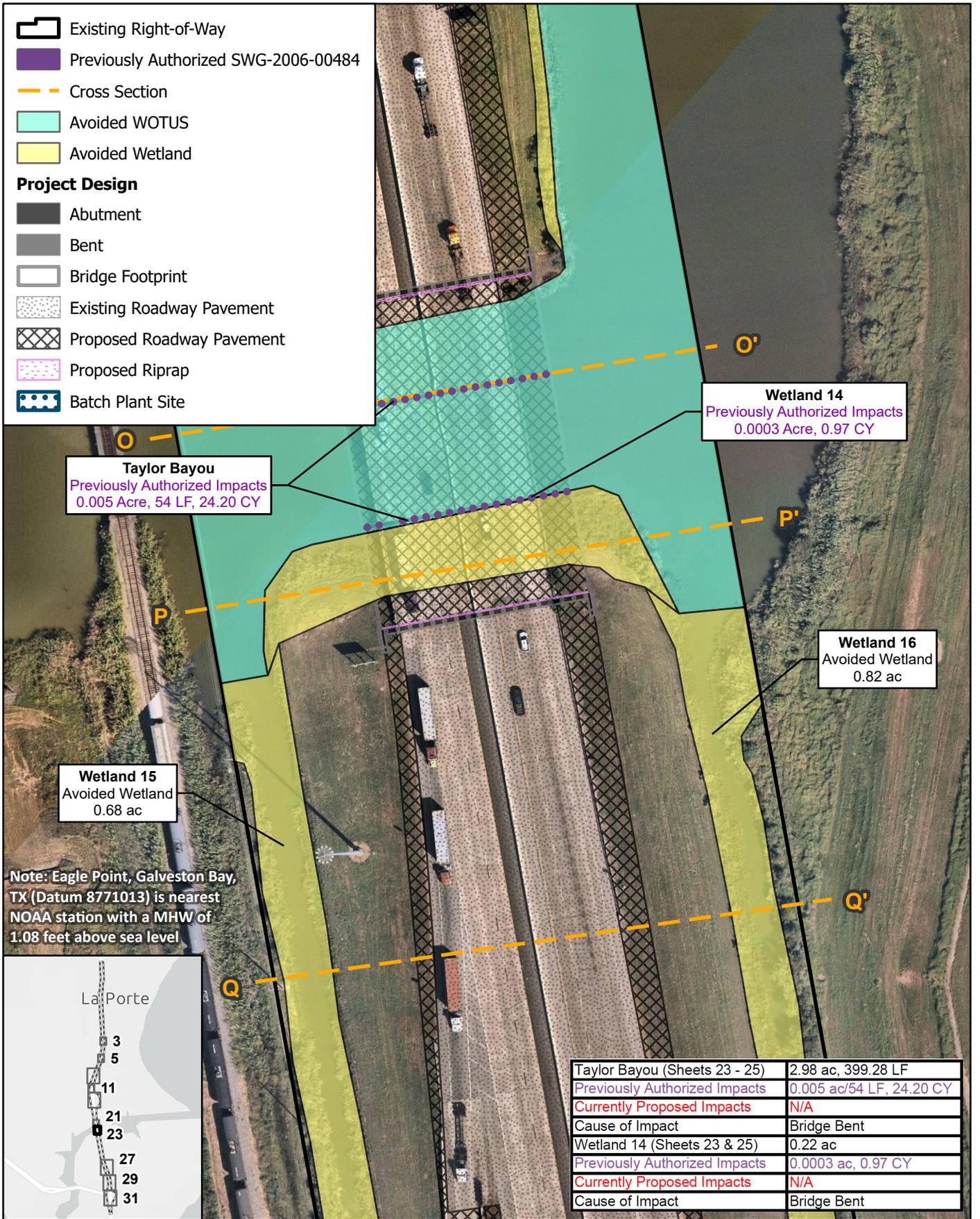
ILLUSTRATION NOT TO SCALE

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



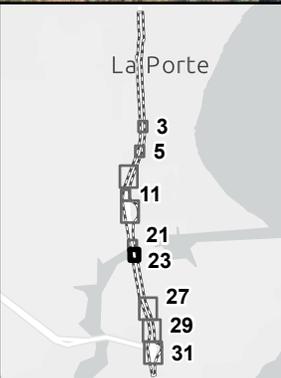
Taylor Bayou
Previously Authorized Impacts
0.005 Acre, 54 LF, 24.20 CY

Wetland 14
Previously Authorized Impacts
0.0003 Acre, 0.97 CY

Wetland 16
Avoided Wetland
0.82 ac

Wetland 15
Avoided Wetland
0.68 ac

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



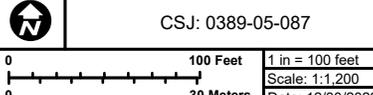
Taylor Bayou (Sheets 23 - 25)	2.98 ac, 399.28 LF
Previously Authorized Impacts	0.005 ac/54 LF, 24.20 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge Bent
Wetland 14 (Sheets 23 & 25)	0.22 ac
Previously Authorized Impacts	0.0003 ac, 0.97 CY
Currently Proposed Impacts	N/A
Cause of Impact	Bridge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

Sheet 23 of 33
Crossing 10

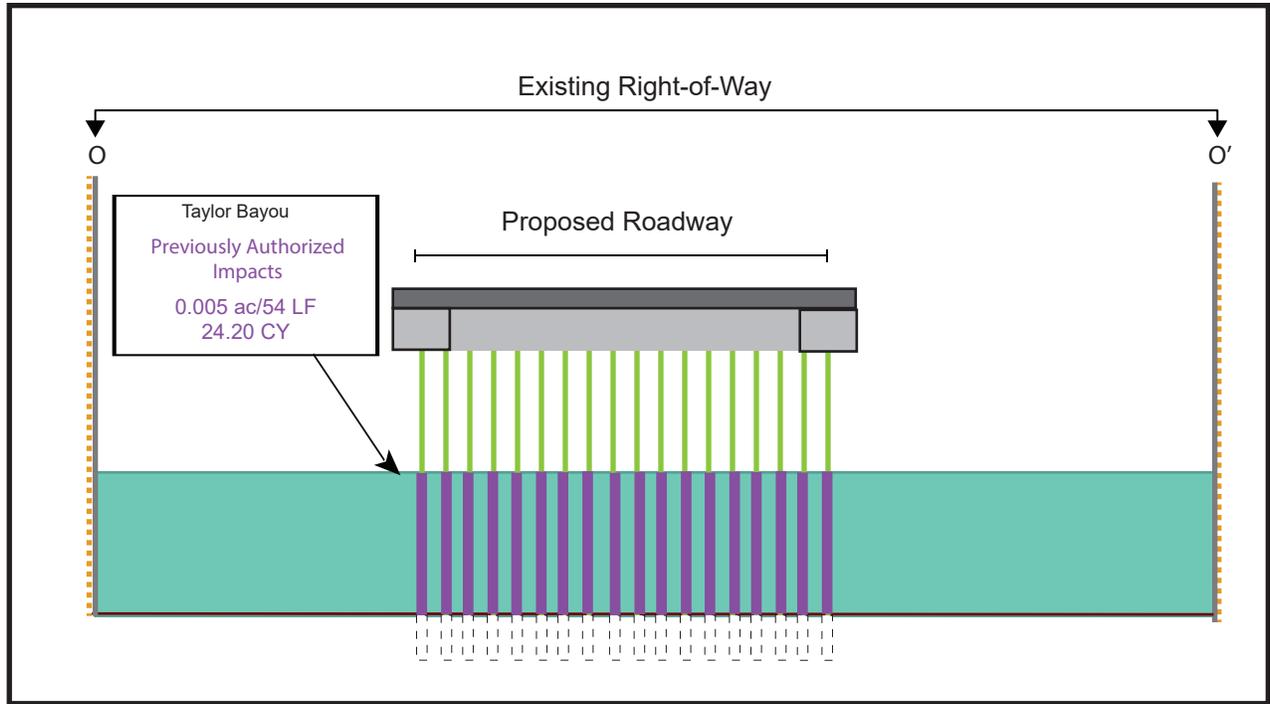
SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087



Scale: 1 in. = 100 feet
Scale: 1:1,200
Date: 12/30/2022



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

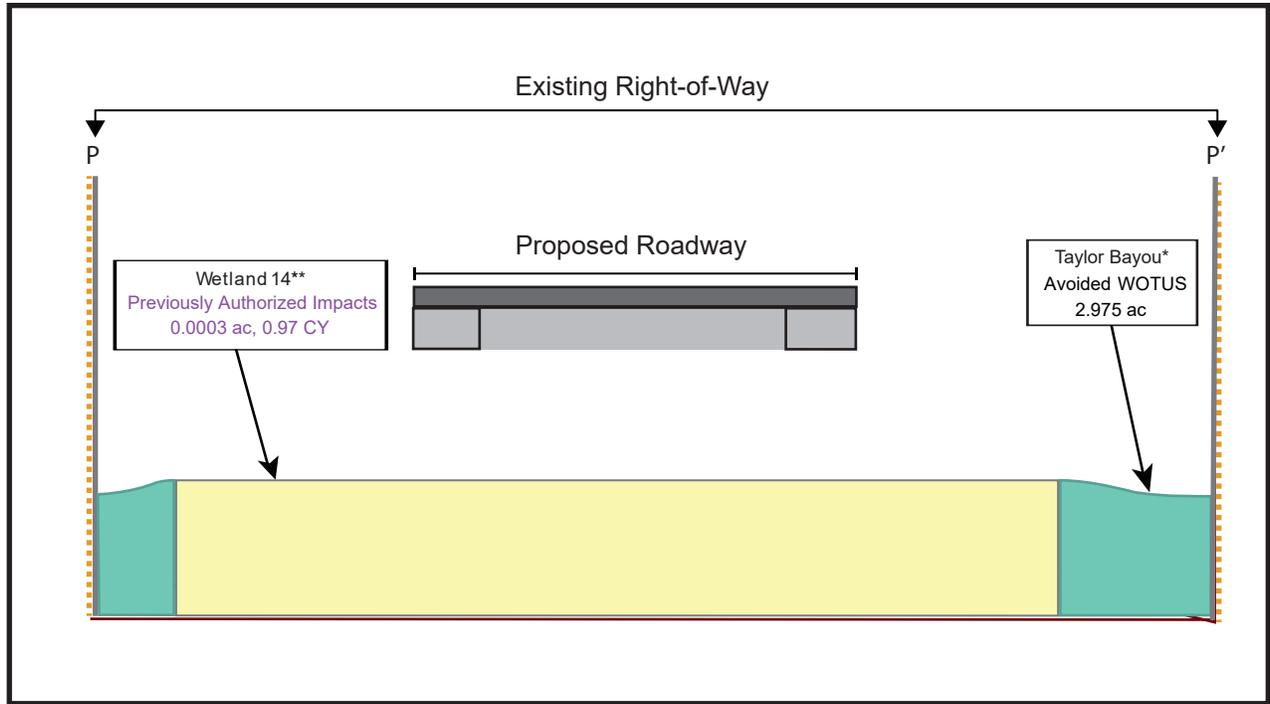
Drilled Shaft Note: Drilled shafts are anticipated to be constructed by excavating a hole using an auger, placing a cage of reinforcing steel, and then filling with concrete.

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





*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

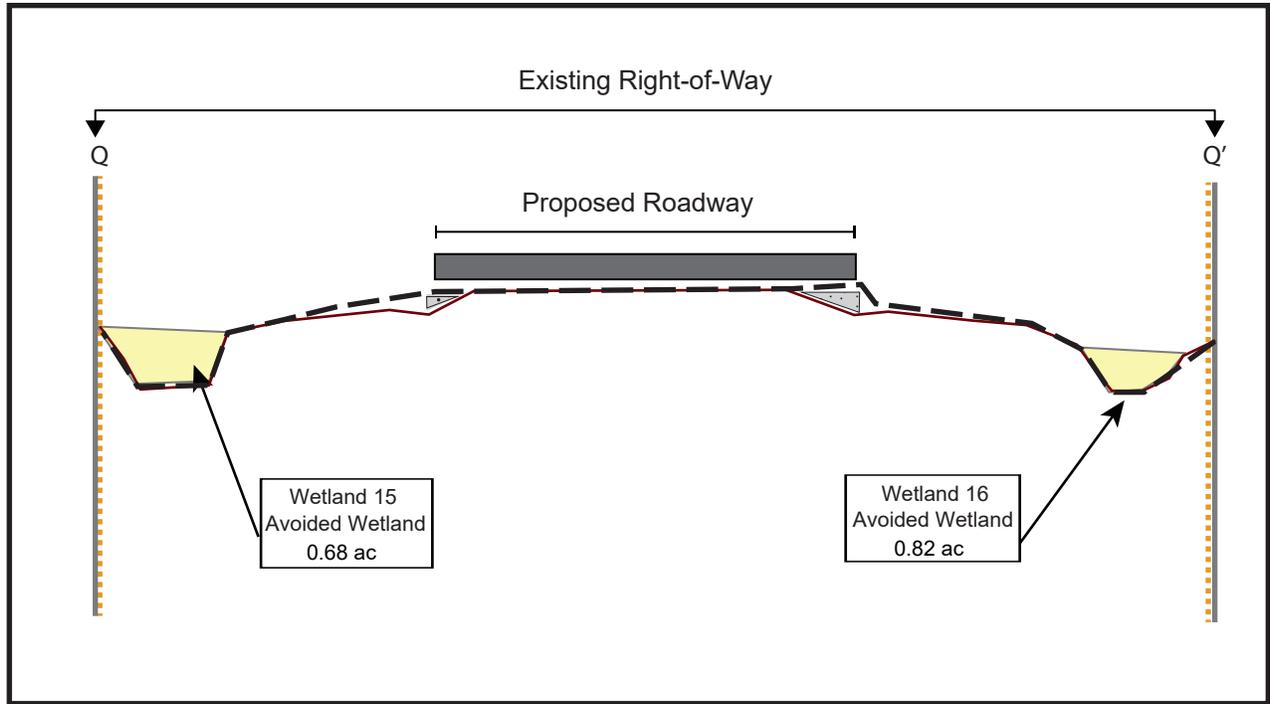
	Existing Right-of-Way
	Cross Section
	Existing and Proposed Elevation
	Avoided Wetland
	Avoided WOTUS
	Bridge Footprint
	Proposed Roadway (No Impacts to Jurisdictional Areas)

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



- 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

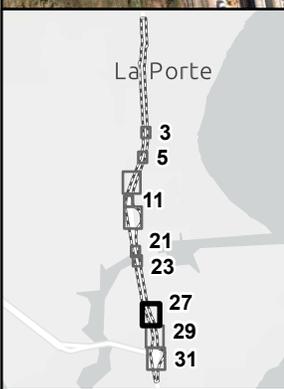
Data Sources:
CMEC (2020), TxDOT (2019)

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

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

Wetland 17
Avoided Wetland
0.973 ac

Note: Impacts associated with Wetland 17 are not located on this plan view



- Existing Right-of-Way
- Previously Authorized SWG-2006-00484
- Cross Section
- Wetland (Currently Proposed Impacts)
- Existing Culverted Wetland
- Avoided Wetland

Project Design

- Existing Roadway Pavement
- Proposed Roadway Pavement
- Proposed Riprap
- Proposed Sidewalk
- Batch Plant Site

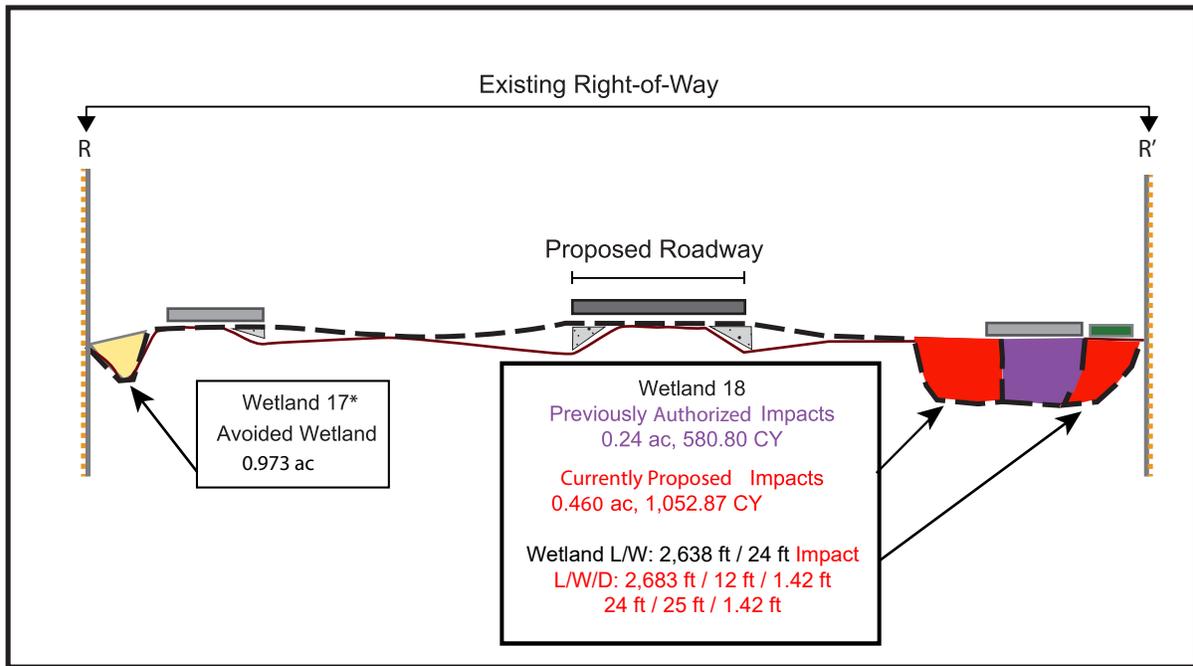
Sheet 27 of 33
Crossings 11 and 12

SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

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



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

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

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

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

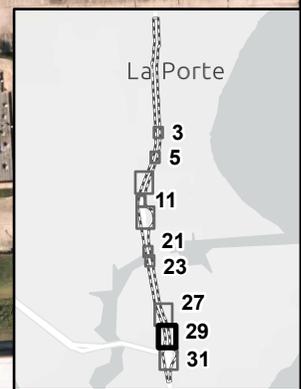
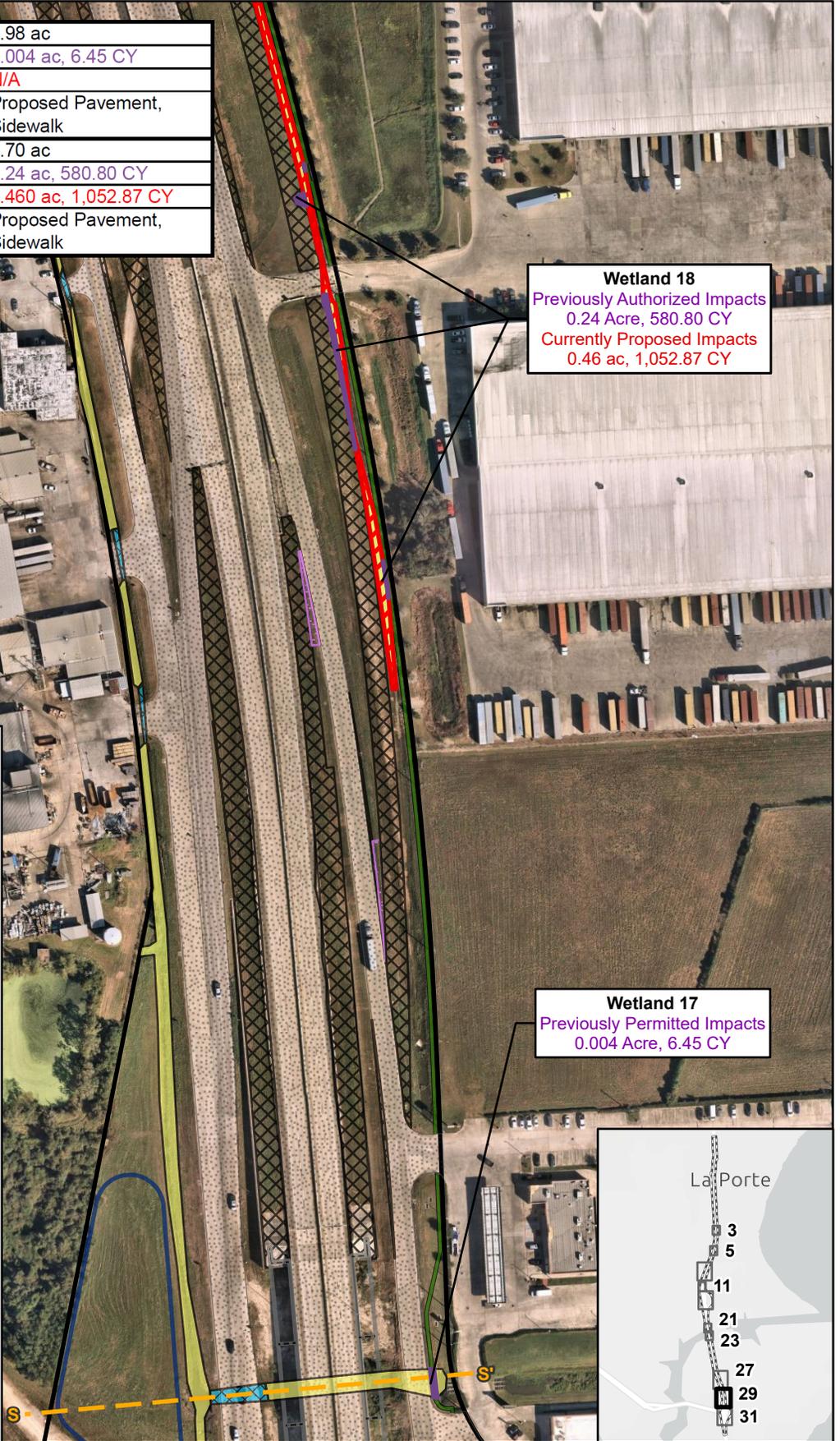
Wetland 17
Previously Permitted Impacts
0.004 Acre, 6.45 CY

Legend

- 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



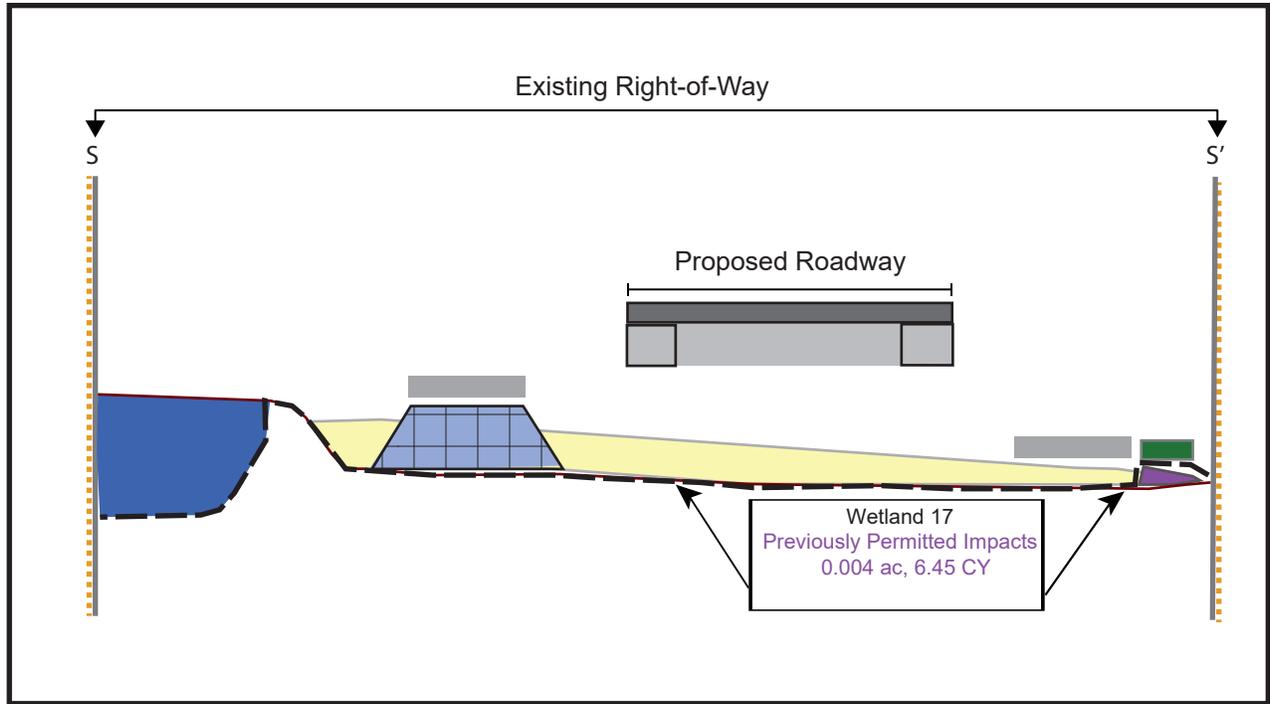
Sheet 29 of 33
Crossings 11 and 12

SH 146 from Fairmont to Red Bluff

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

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

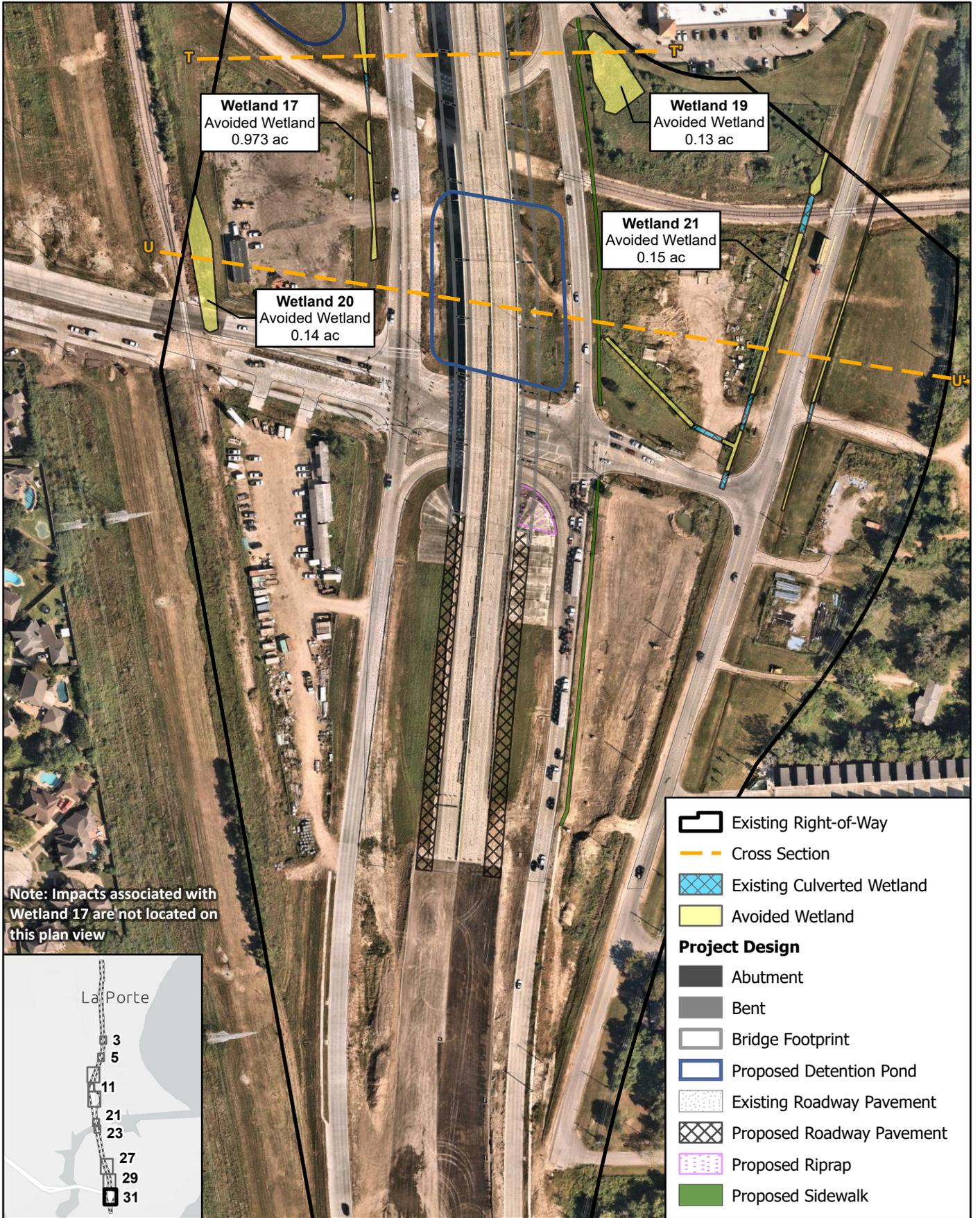
ILLUSTRATION NOT TO SCALE

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



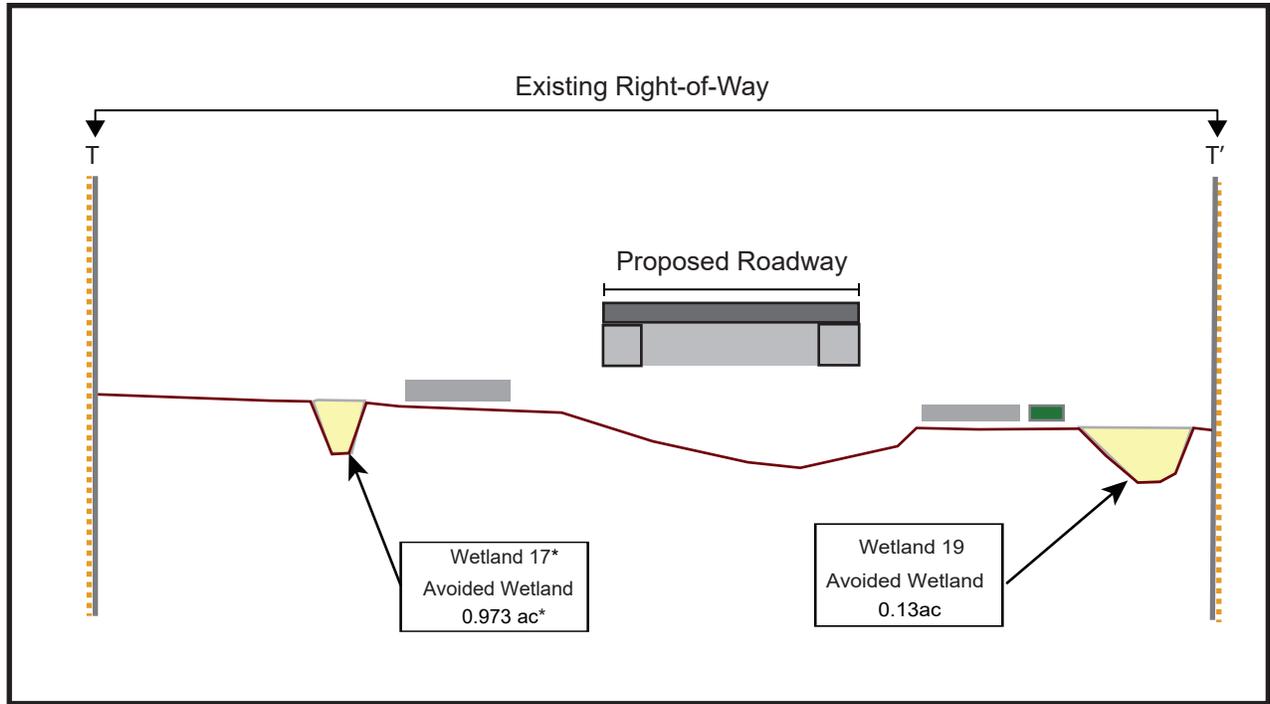
Sheet 31 of 33
Crossings 11, 13, 14, and 15

SH 146 from Fairmont to Red Bluff

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

CSJ: 0389-05-087

0 210 Feet 1 in = 200 feet
0 60 Meters Scale: 1:2,400
Date: 12/28/2022



*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

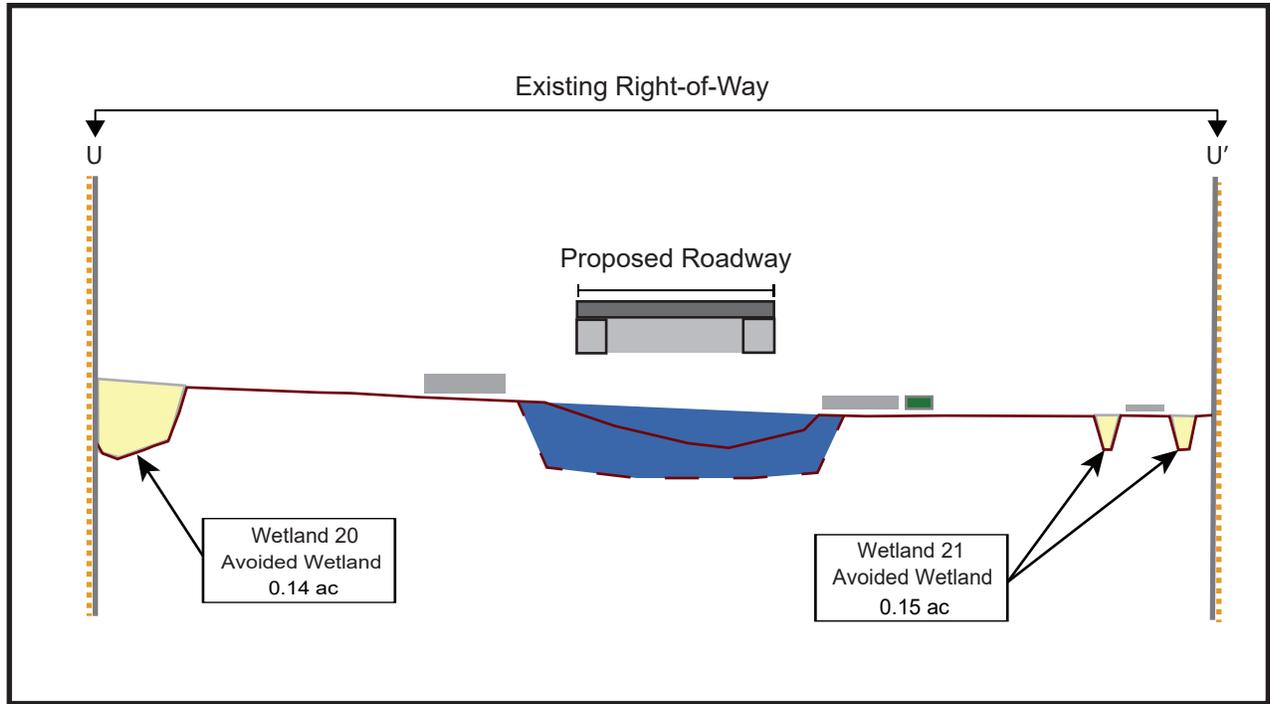
Sheet 32 of 33
 Wetland 17 and Wetland 19



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