

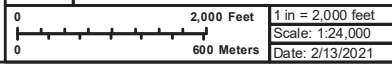
- Project Location
- Delineated Water/Wetland

Sheet 1 of 12
Project Location (Road Base)
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

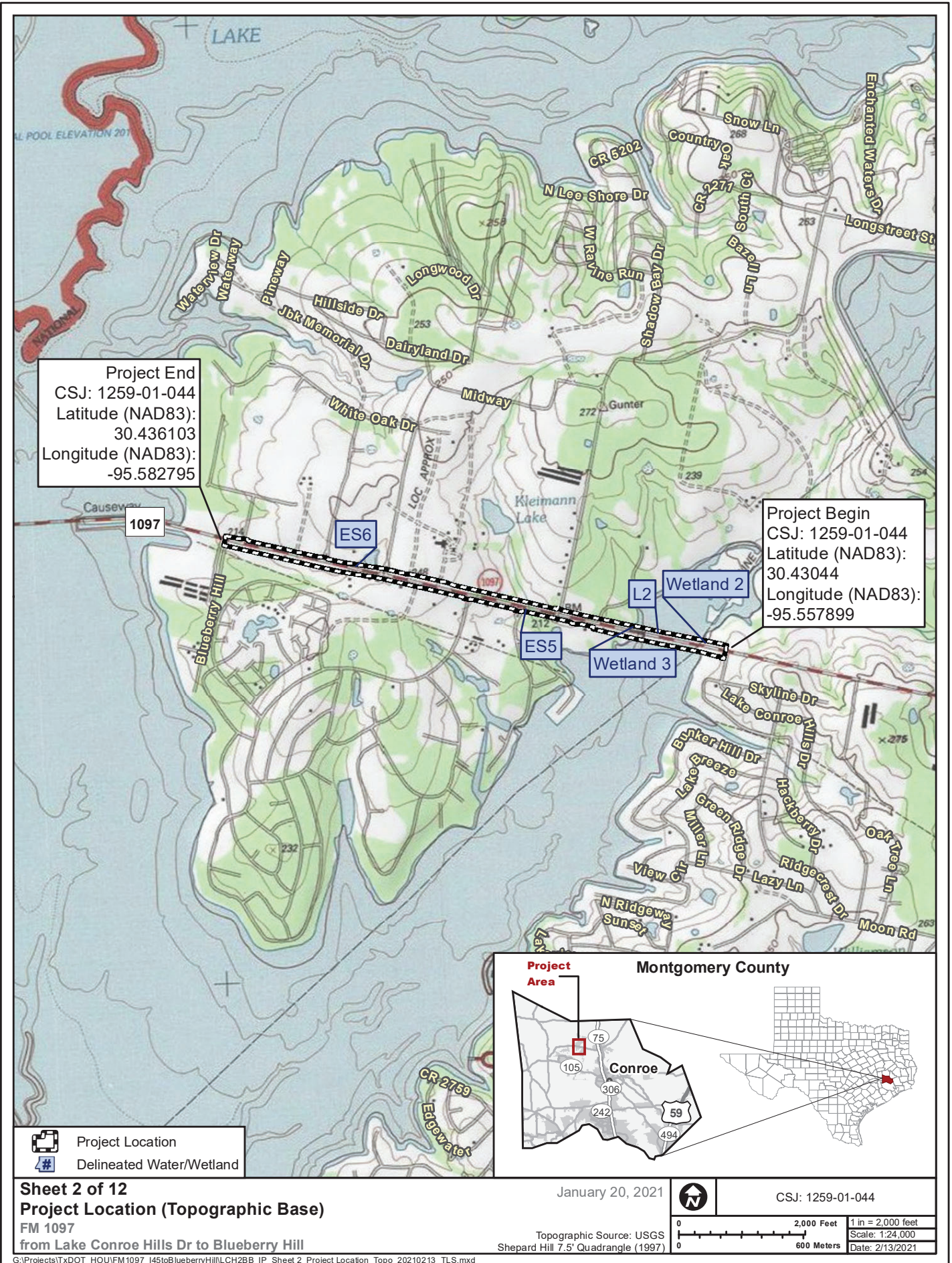
January 20, 2021



CSJ: 1259-01-044



Basemap Source: Esri (2020)



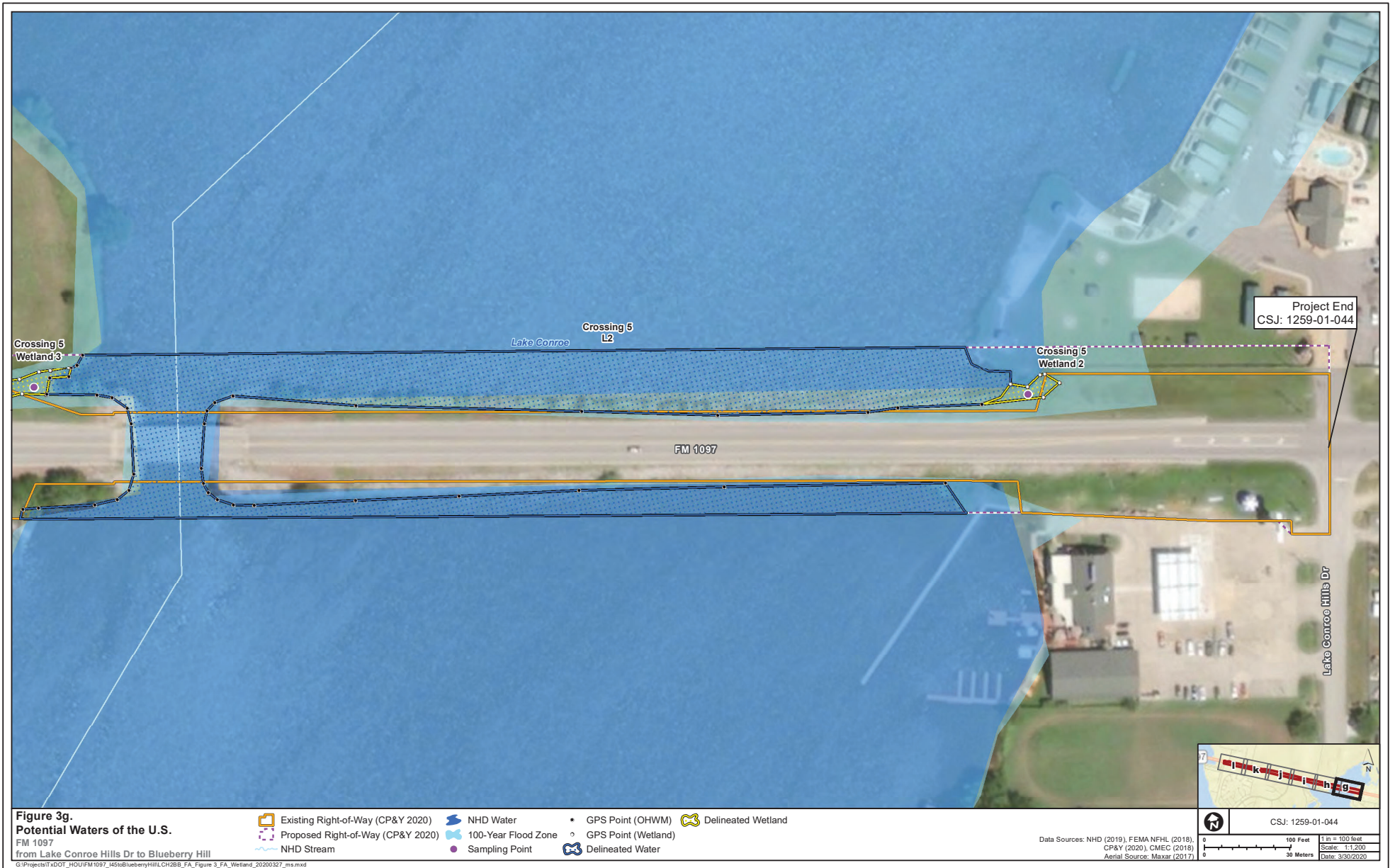













Figure 3i.
Potential Waters of the U.S.
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

-  Existing Right-of-Way (CP&Y 2020)
-  NHD Water
-  Delineated Water
-  Proposed Right-of-Way (CP&Y 2020)
-  100-Year Flood Zone
-  NHD Stream
-  GPS Point (OHWM)

Data Sources: NHD (2019), FEMA NFHL (2018),
 CP&Y (2020), CMEC (2018)
 Aerial Source: Maxar (2017)



CSJ: 1259-01-044

0 100 Feet 1 in = 100 feet
 0 30 Meters Scale: 1:1,200
 Date: 3/30/2020

G:\Projects\TXDOT_HOU\FM1097_1451\BlueberryHill\CH28B_FA_Figure 3_FA_Wetland_20200327_mis.mxd



Figure 3j.
Potential Waters of the U.S.
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

 Existing Right-of-Way (CP&Y 2020)
 Proposed Right-of-Way (CP&Y 2020)

No Delineated Features or Wetland Determination Points on this sheet








CSJ: 1259-01-044

Data Sources: NHD (2019), FEMA NFHL (2018),
 CP&Y (2020), CMEC (2018)
 Aerial Source: Maxar (2017)

0 100 Feet 1 in = 100 feet
 0 30 Meters Scale: 1:1,200
 Date: 3/30/2020



Figure 3k.
Potential Waters of the U.S.
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

-  Existing Right-of-Way (CP&Y 2020)
-  Proposed Right-of-Way (CP&Y 2020)
-  NHD Water
-  GPS Point (OHWM)
-  Delineated Water

CSJ: 1259-01-044



0 100 Feet 1 in = 100 feet
 0 30 Meters Date: 3/30/2020

Data Sources: NHD (2019), FEMA NFHL (2018),
 CP&Y (2020), CMEC (2018)
 Aerial Source: Maxar (2017)


G:\Projects\TXDOT_HOU\FM1097_1451\BlueberryHill\CH2BB_FA_Figure 3_FA_Wetland_20200327_mis.mxd



Figure 3f.
Potential Waters of the U.S.
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

 Existing Right-of-Way (CP&Y 2020)
 Proposed Right-of-Way (CP&Y 2020)

No Delineated Features or Wetland Determination Points on this sheet

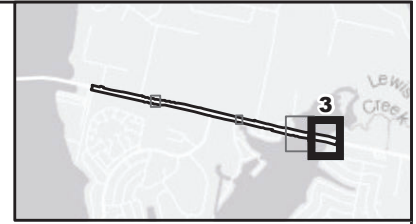


CSJ: 1259-01-044

0 100 Feet 1 in = 100 feet
 0 30 Meters Scale: 1:1,200
 Date: 3/30/2020

Data Sources: NHD (2019), FEMA NFHL (2018),
 CP&Y (2020), CMEC (2018)
 Aerial Source: Maxar (2017)

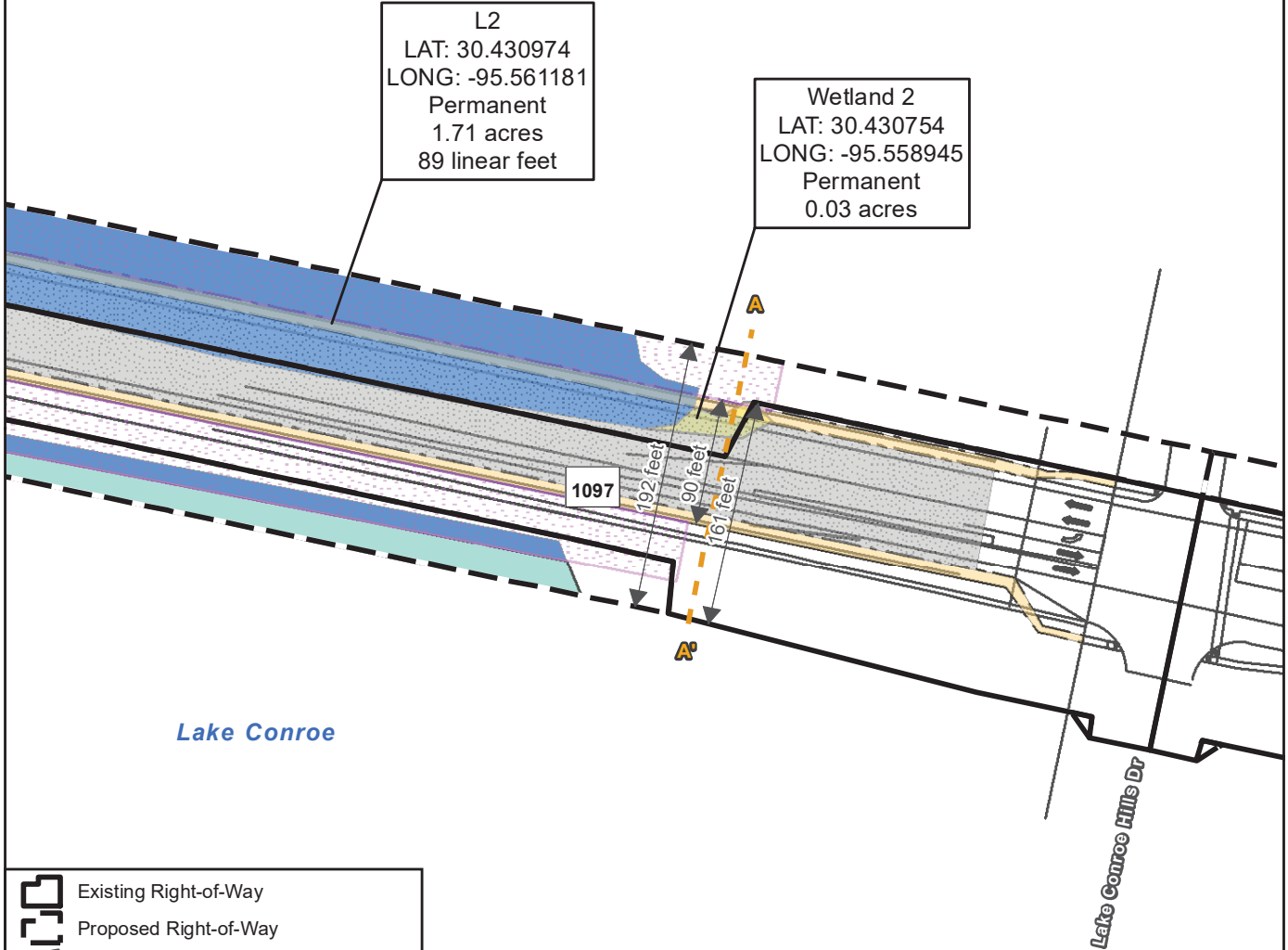
G:\Projects\TXDOT_HOU\FM1097_14516BlueberryHill\CH28B_FA_Figure 3_FA_Wetland_20200327.ms.mxd



Lake Conroe

L2
 LAT: 30.430974
 LONG: -95.561181
 Permanent
 1.71 acres
 89 linear feet

Wetland 2
 LAT: 30.430754
 LONG: -95.558945
 Permanent
 0.03 acres



Lake Conroe

Lake Conroe Hills Dr

	Existing Right-of-Way
	Proposed Right-of-Way
	Jurisdictional Water, No Impact
	Jurisdictional Water, Permanent Impact
	Wetland, Permanent Impact
	Cross-Section
Project Design	
	RipRap
	Roadway Pavement
	Sidewalk

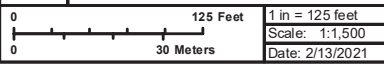
Lake Conroe	2.45 ac	190 linear feet
Permanent Impact	1.71 ac	89 linear feet
Cause of Impact	Roadway, Approach Slab, Abutment, RipRap, Embankment	
Wetland 2 (W2)	0.03	
Permanent Impact	0.03	
Cause of Impact	Roadway, Embankment	

Sheet 3 of 12
Crossings
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021

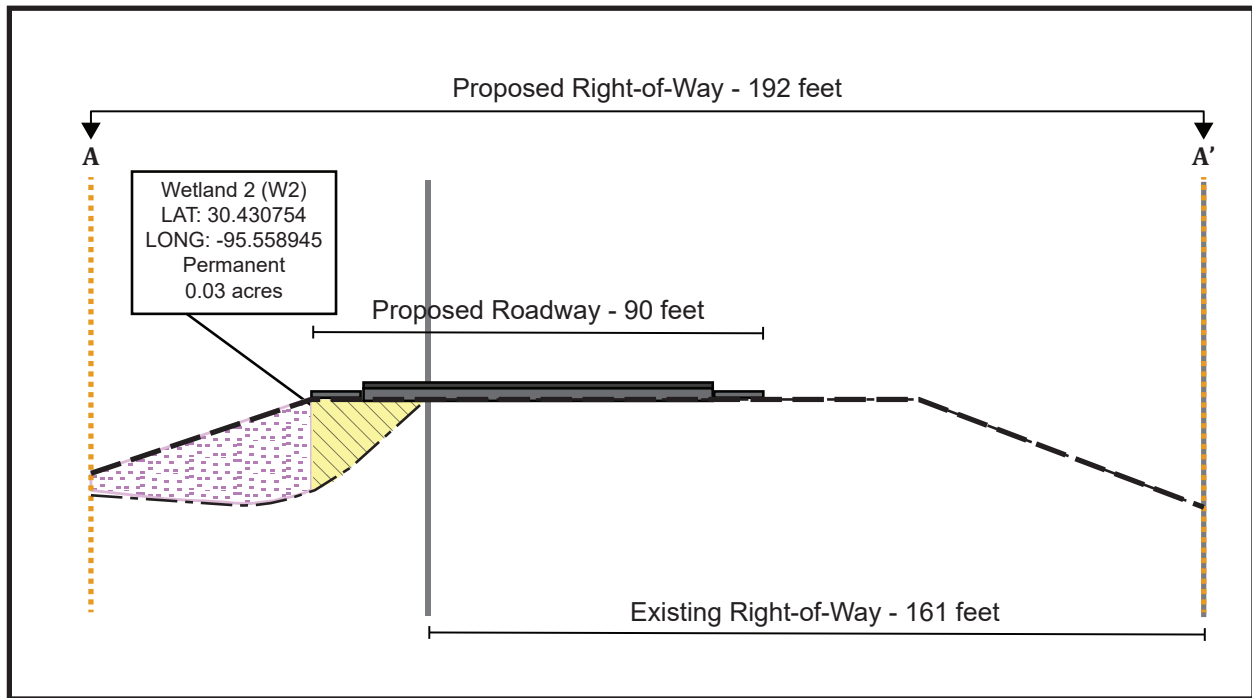


CSJ: 1259-01-044



Data Sources:
 CMEC (2018), CP&Y (2020)

Date: 2/13/2021









-  Existing Right-of-Way
-  Proposed Right-of-Way
-  Proposed Elevation
-  Existing Elevation
-  Wetland, Permanent Impact
-  RipRap

ILLUSTRATION NOT TO SCALE

Wetland 2 (W2)	0.03	
Permanent Impact	0.03	
Cause of Impact	Roadway, Embankment	

Sheet 4 of 12
Wetland 2 Profile

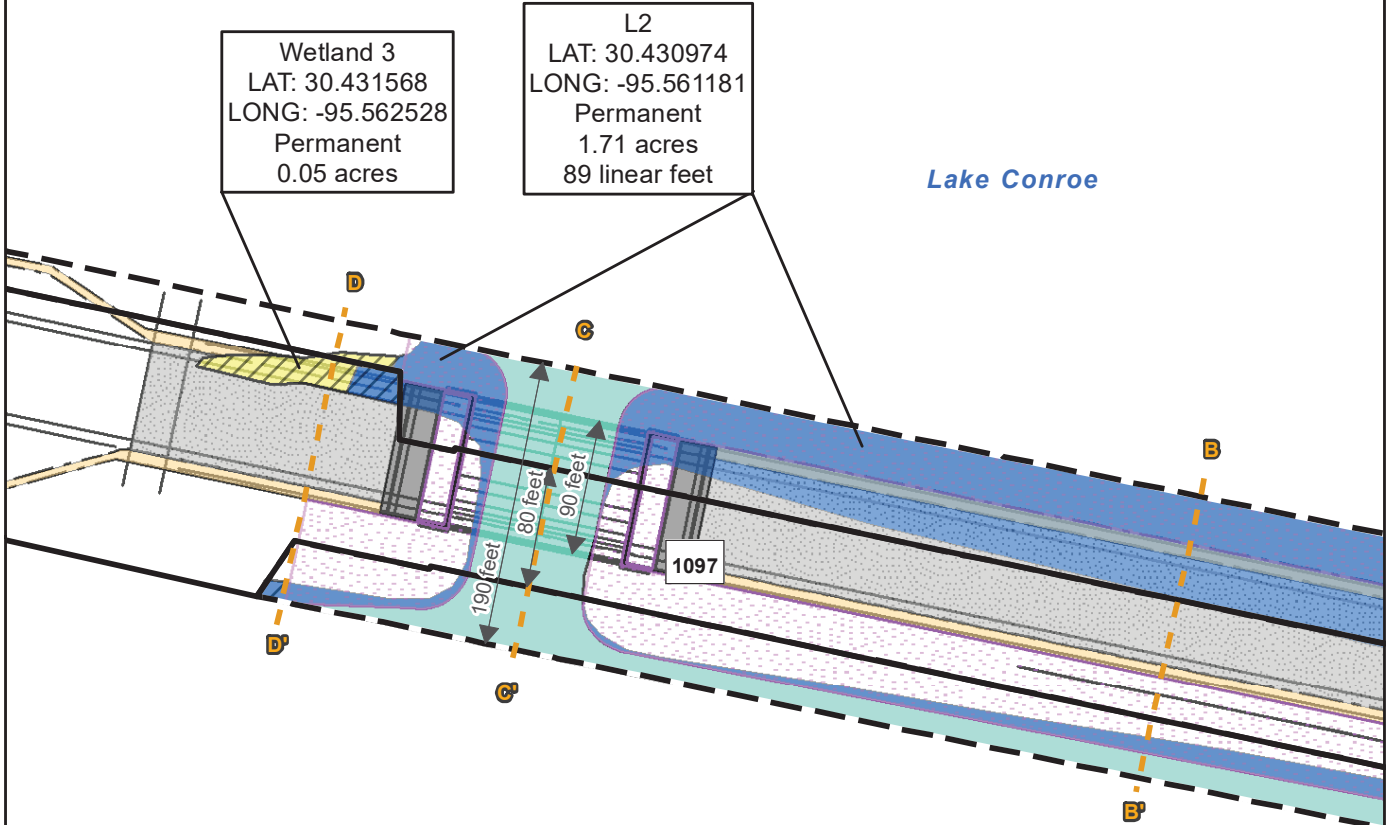
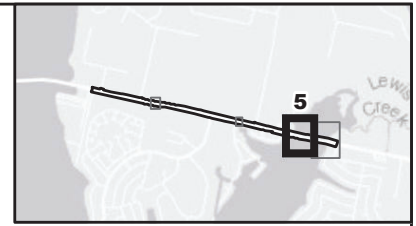
FM 1097
from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021



CSJ: 1259-01-044

Data Sources:
CMEC (2018), CP&Y (2020)



Wetland 3
 LAT: 30.431568
 LONG: -95.562528
 Permanent
 0.05 acres

L2
 LAT: 30.430974
 LONG: -95.561181
 Permanent
 1.71 acres
 89 linear feet

Lake Conroe

Lake Conroe

	Existing Right-of-Way
	Proposed Right-of-Way
	Jurisdictional Water, No Impact
	Jurisdictional Water, Permanent Impact
	Wetland, Permanent Impact
	Cross-Section
Project Design	
	Abutment
	Approach Slab
	Embankment
	RipRap
	Roadway Pavement
	Sidewalk

Lake Conroe	2.45 ac	190 linear feet
Permanent Impact	1.71 ac	89 linear feet
Cause of Impact	Roadway, Approach Slab, Abutment, RipRap, Embankment	
Wetland 3 (W3)	0.05	
Permanent Impact	0.05	
Cause of Impact	Roadway, Embankment	

Sheet 5 of 12
 Crossings

FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

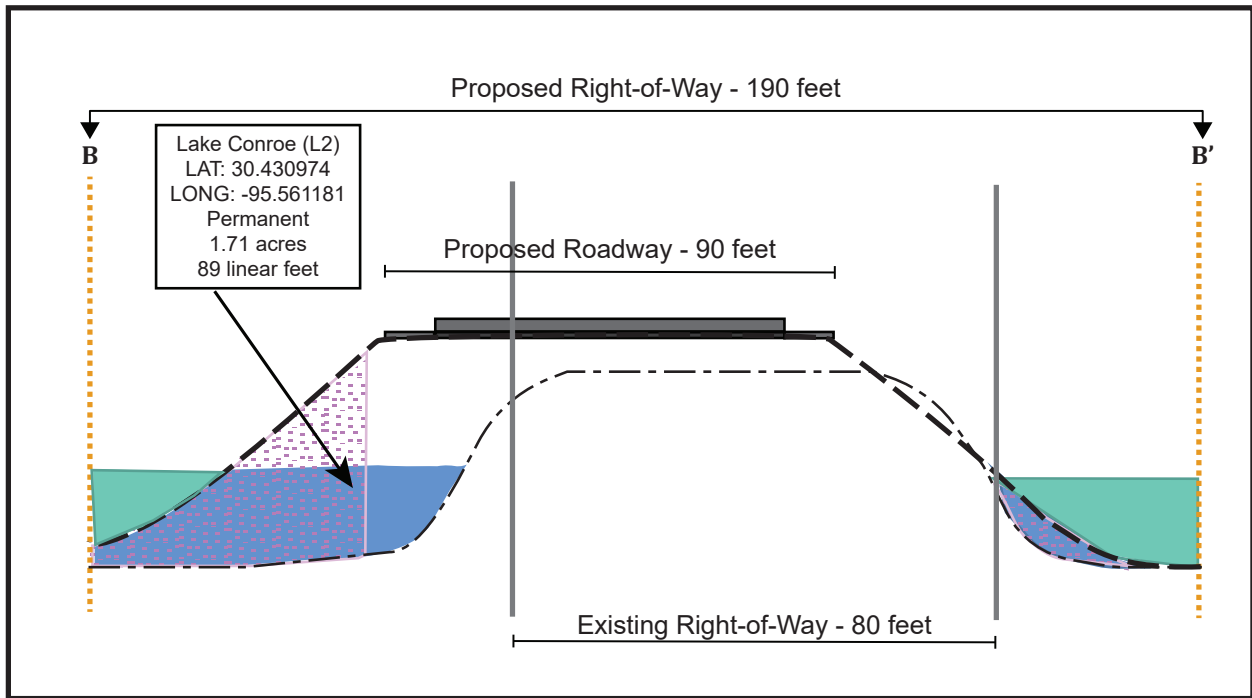
February 15, 2021



CSJ: 1259-01-044

Data Sources:
 CMEC (2018), CP&Y (2020)

0	125 Feet	1 in = 125 feet
0	30 Meters	Scale: 1:1,500
		Date: 2/13/2021



- Existing Right-of-Way
- Proposed Right-of-Way
- Proposed Elevation
- Existing Elevation
- Jurisdictional Water, No Impact
- Jurisdictional Water, Permanent Impact
- RipRap

ILLUSTRATION NOT TO SCALE

Lake Conroe (L2)	2.45 ac	190 linear feet
Permanent Impact	1.71 ac	89 linear feet
Cause of Impact	Roadway, Approach Slab, Abutment, RipRap, Embankment	

Sheet 6 of 12
L2 Profile

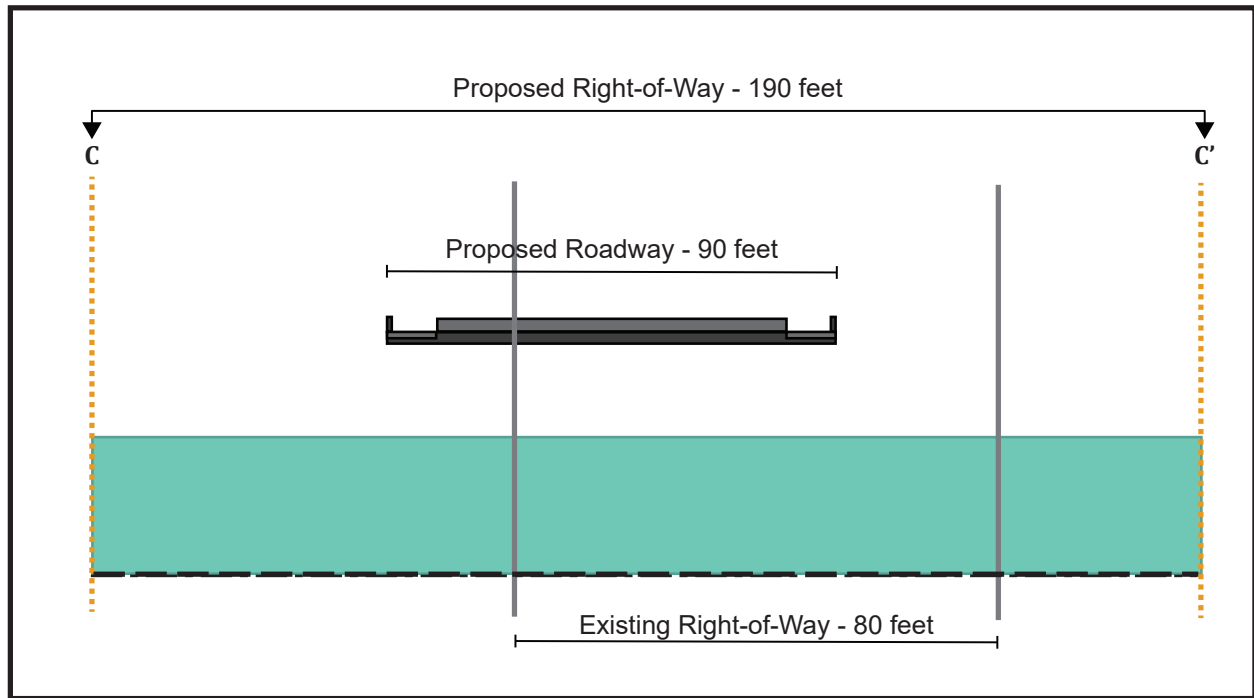
FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021



CSJ: 1259-01-044

Data Sources:
 CMEC (2018), CP&Y (2020)



Note: This cross section is along the bridge over Lake Conroe. The bridge clear spans this section of Lake Conroe and no bridge pilings are proposed.

- Existing Right-of-Way
- Proposed Right-of-Way
- Proposed Elevation
- Existing Elevation
- Jurisdictional Water, No Impact
- RipRap

ILLUSTRATION NOT TO SCALE

Lake Conroe (L2)	2.45 ac	190 linear feet
Permanent Impact	1.71 ac	89 linear feet
Cause of Impact	Roadway, Approach Slab, Abutment, RipRap, Embankment	

Sheet 7 of 12
L2 Crossing

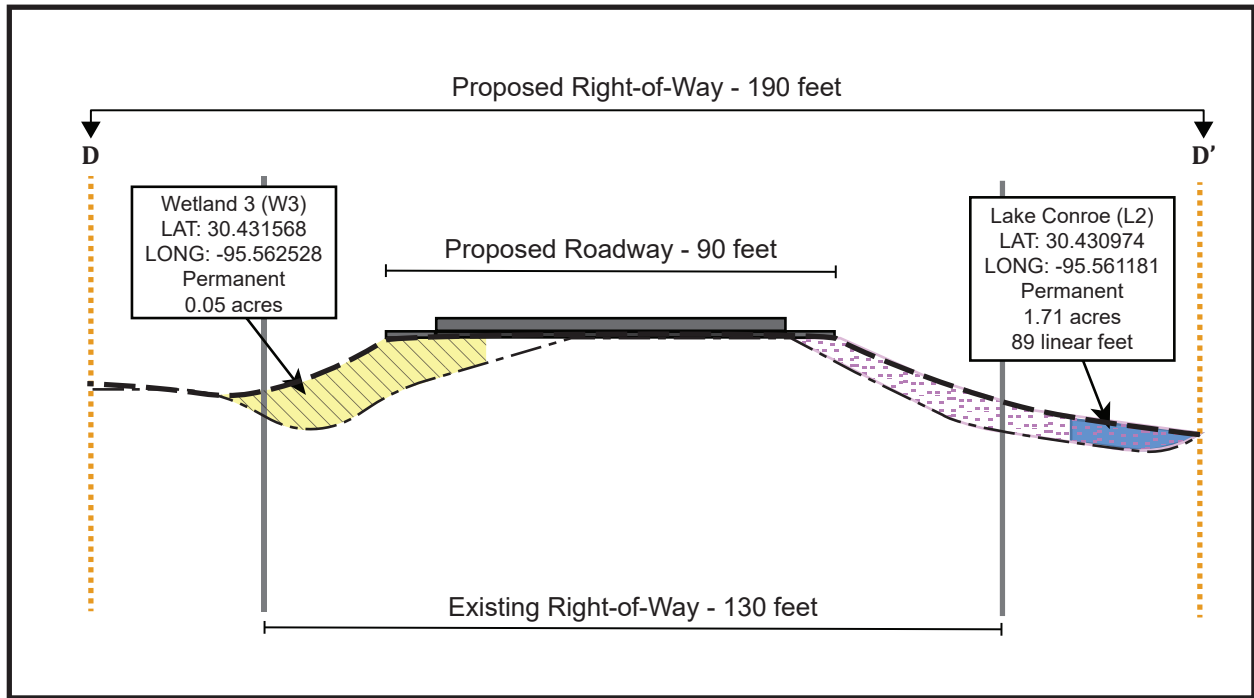
FM 1097
from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021



CSJ: 1259-01-044

Data Sources:
CMEC (2018), CP&Y (2020)



- Existing Right-of-Way
- Proposed Right-of-Way
- Proposed Elevation
- Existing Elevation
- Wetland, Permanent Impact
- Jurisdictional Water, Permanent Impact

ILLUSTRATION NOT TO SCALE

Lake Conroe (L2)	2.45 ac	190 linear feet
Permanent Impact	1.71 ac	89 linear feet
Cause of Impact	Roadway, Approach Slab, Abutment, RipRap, Embankment	
Wetland 3 (W3)	0.05	
Permanent Impact	0.05	
Cause of Impact	Roadway, Embankment	

Sheet 8 of 12
L2 and Wetland 3 Profile

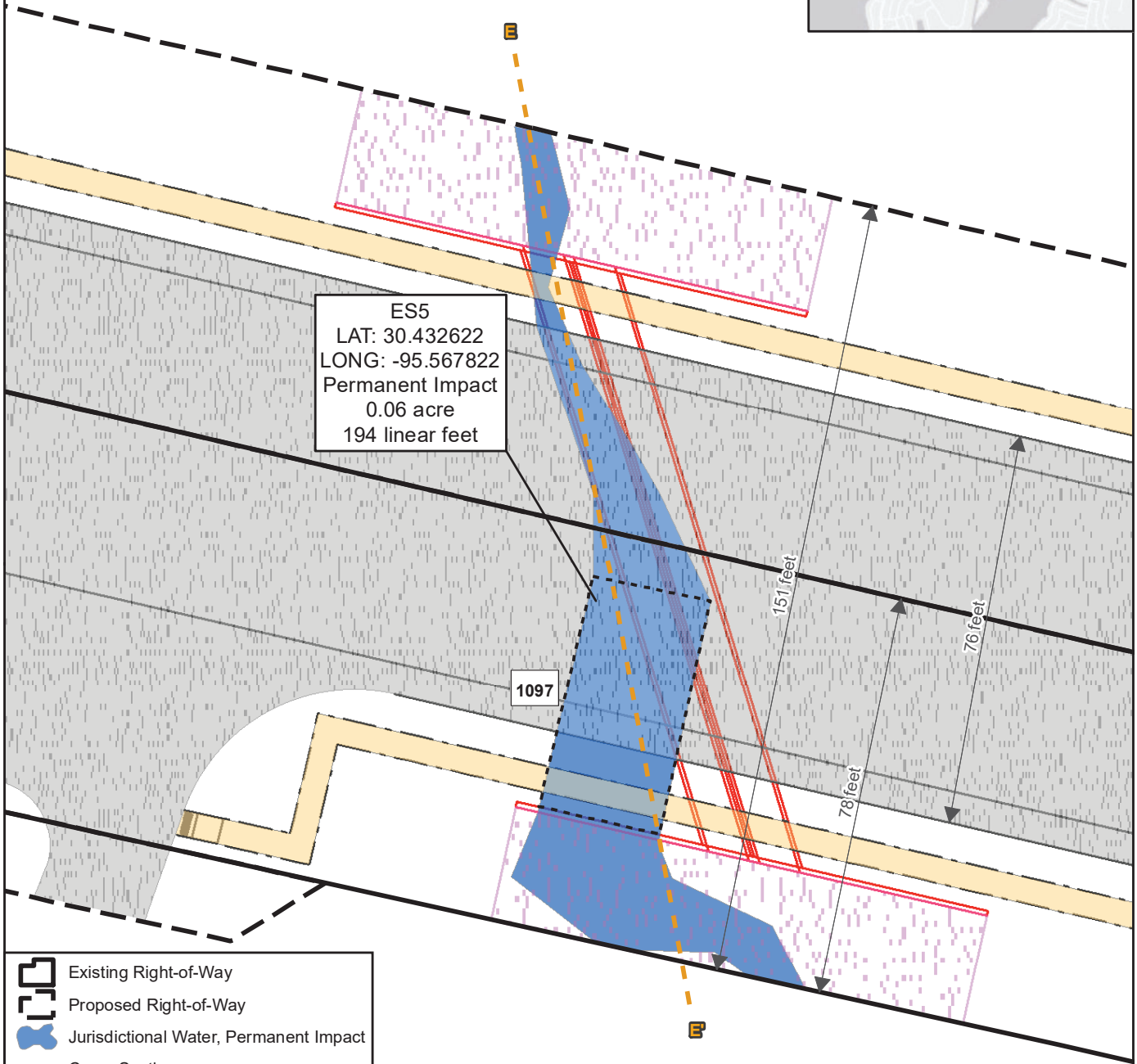
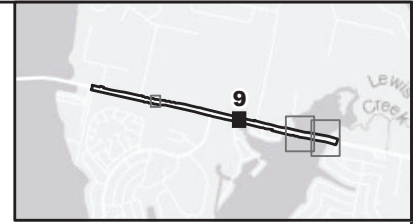
FM 1097
from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021



CSJ: 1259-01-044

Data Sources:
CMEC (2018), CP&Y (2020)



ES5
 LAT: 30.432622
 LONG: -95.567822
 Permanent Impact
 0.06 acre
 194 linear feet

1097

151 feet

76 feet

78 feet

- Existing Right-of-Way
- Proposed Right-of-Way
- Jurisdictional Water, Permanent Impact
- Cross-Section
- Project Design**
- RipRap
- Roadway Pavement
- Sidewalk
- Existing Culvert to be Removed
- Proposed Culvert

ES5	0.06 ac	194 linear feet
Permanent Impact	0.06 ac	194 linear feet
Cause of Impact	Roadway, Sidewalk, Grading, RipRap, Culvert	

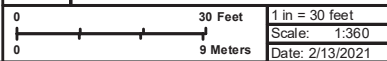
Sheet 9 of 12
Crossings

FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

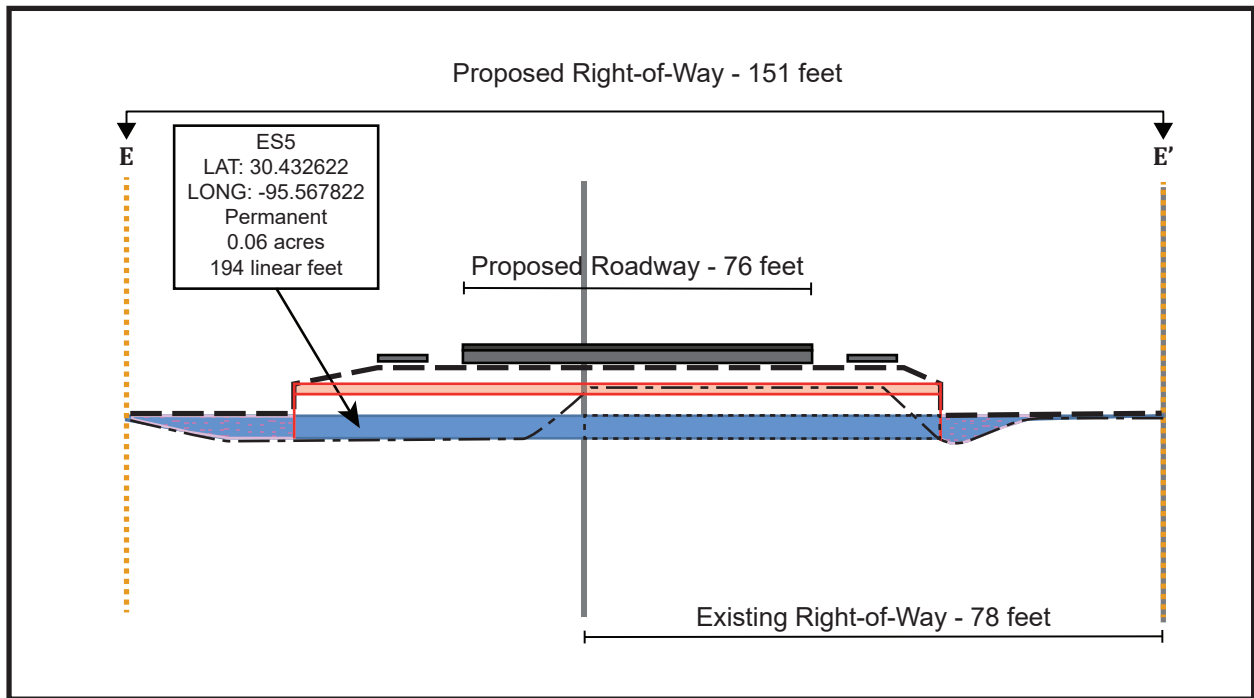
February 15, 2021



CSJ: 1259-01-044



Data Sources:
 CMEC (2018), CP&Y (2020)











-  Existing Right-of-Way
-  Proposed Right-of-Way
-  Proposed Elevation
-  Existing Elevation
-  Jurisdictional Water, Permanent Impact
-  RipRap
-  Drainage Culvert
-  Existing Culvert to be Removed

ILLUSTRATION NOT TO SCALE

ES5	0.06 ac	194 linear feet
Permanent Impact	0.06 ac	194 linear feet
Cause of Impact	Roadway, Sidewalk, Grading, RipRap, Culvert	

Sheet 10 of 12
ES5 Profile

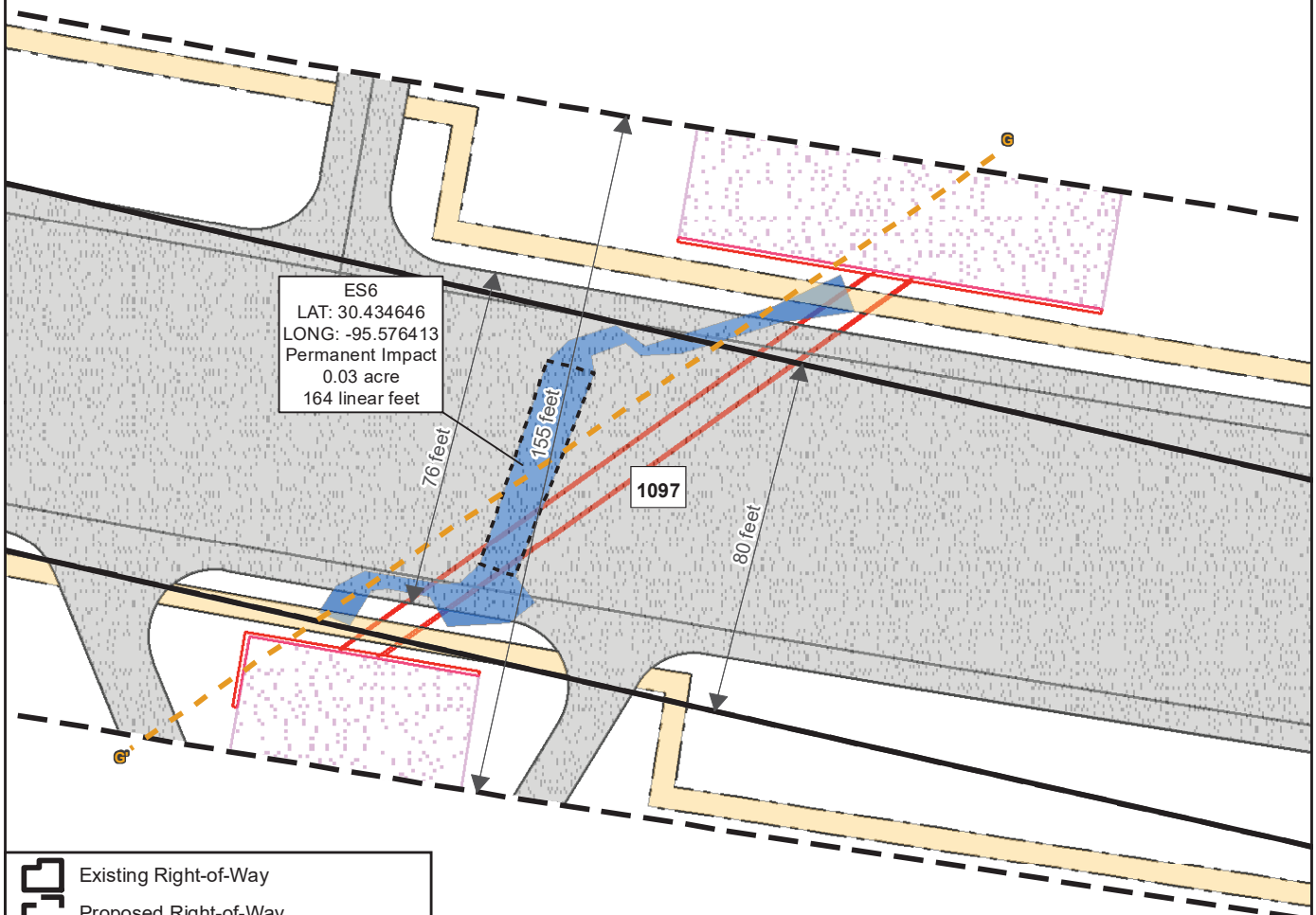
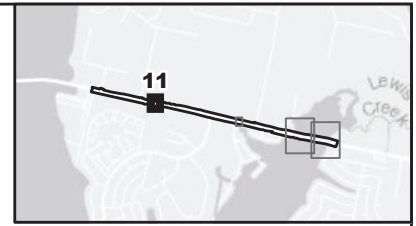
February 15, 2021



CSJ: 1259-01-044

FM 1097
from Lake Conroe Hills Dr to Blueberry Hill

Data Sources:
CMEC (2018), CP&Y (2020)



ES6
 LAT: 30.434646
 LONG: -95.576413
 Permanent Impact
 0.03 acre
 164 linear feet

- Existing Right-of-Way
- Proposed Right-of-Way
- Jurisdictional Water, Permanent Impact
- Cross-Section
- Project Design**
- RipRap
- Roadway Pavement
- Sidewalk
- Existing Culvert to be Removed
- Proposed Culvert

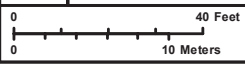
ES6	0.03 ac	164 linear feet
Permanent Impact	0.03 ac	164 linear feet
Cause of Impact	Roadway, Sidewalk, Grading, RipRap, Culvert	

Sheet 11 of 12
Crossings
 FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021

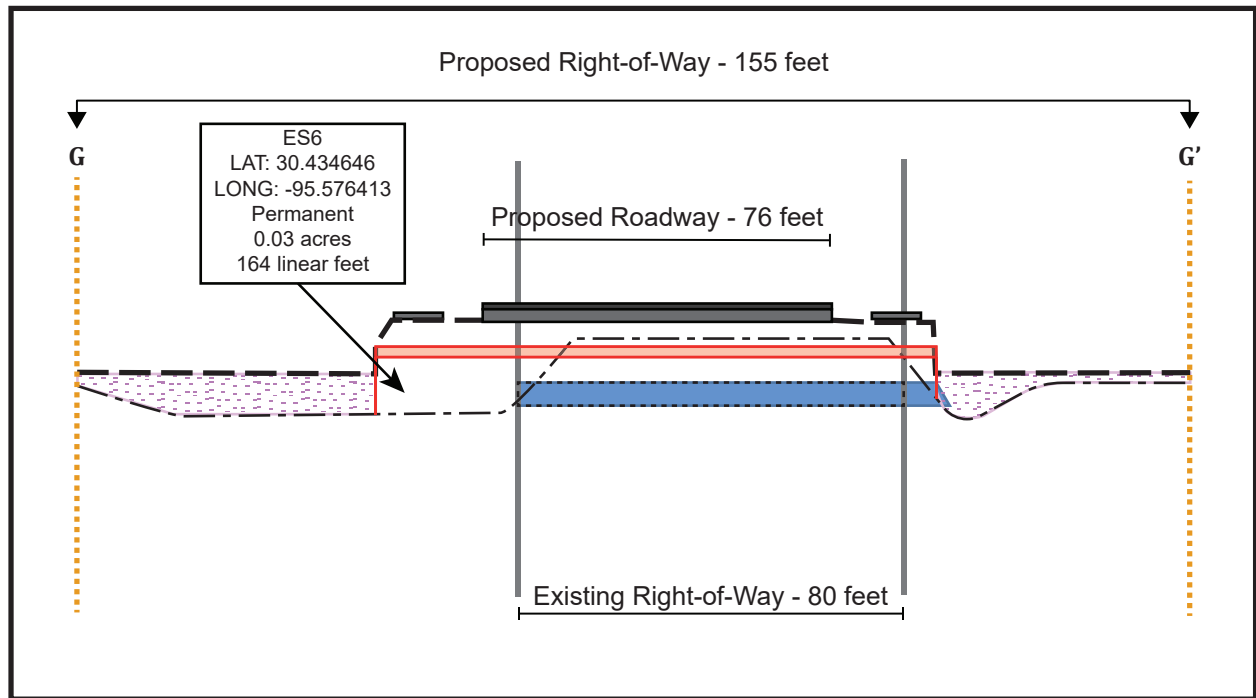


CSJ: 1259-01-044



1 in = 40 feet
 Scale: 1:480
 Date: 2/13/2021

Data Sources:
 CMEC (2018), CP&Y (2020)



- Existing Right-of-Way
- Proposed Right-of-Way
- Proposed Elevation
- Existing Elevation
- Jurisdictional Water, Permanent Impact
- RipRap
- Drainage Culvert
- Existing Culvert to be Removed

ILLUSTRATION NOT TO SCALE

ES6	0.03 ac	164 linear feet
Permanent Impact	0.03 ac	164 linear feet
Cause of Impact	Roadway, Sidewalk, Grading, RipRap, Culvert	

Sheet 12 of 12
ES6 Profile

FM 1097
 from Lake Conroe Hills Dr to Blueberry Hill

February 15, 2021



CSJ: 1259-01-044

Data Sources:
 CMEC (2018), CP&Y (2020)