

AUGUST 2017

**LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT
STATE PROJECT NO. H.004100.2
FEDERAL AID PROJECT NO. H004100**



DRAFT

**I-10: LA 415 TO ESSEN
LANE ON I-10 AND I-12**

**WETLAND ANALYSIS
REPORT**

Prepared By:

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Project Number 040-012-001



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B	Wetland Determination Data Forms - Atlantic and Gulf Coastal Plain Region

1.0 PROJECT OVERVIEW

The purpose of this report is to present field data, habitat descriptions, and other pertinent information on the three diagnostic characteristics of wetlands. This report was prepared in accordance with the *Corps of Engineers Wetlands Delineation Manual* (United States Army Corps of Engineers, Waterways Experiment Station 1987) and subsequent guidance provided in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region* (United States Army Corps of Engineers, Wetland Regulatory Assistance Program 2010). On June 26, 2017, Providence biologists visited the Site and collected field data on the three diagnostic wetland parameters: soils, vegetation, and hydrology.

Prior to conducting the wetland analysis, Providence reviewed the Natural Resources Conservation Service (NRCS) Web Soil Survey (2017), the *Soil Survey of East and West Baton Rouge Parishes* (United States Department of Agriculture, Soil Conservation Service 1990), United States Geological Survey (USGS) 7.5-minute topographic maps, United States Fish and Wildlife Service (USFWS), National Wetland Inventory maps, and relevant aerial photography. Included for your review are: **Figure 1** – Vicinity Map, **Figure 2** – Site Location Map, **Figures 3a-3g** – Site Plans, **Figures 4a-4g** – Soils Map, **Exhibit 1** – Copies of Site Photographs, and **Exhibit 2** – Wetland Determination Data Forms - Atlantic and Gulf Coastal Plain Region.

This report summarizes the results of a wetland delineation performed for the I-10 corridor improvements and widening beginning at Louisiana Highway (LA) 415 in West Baton Rouge Parish to the I-10 and I-12 split in East Baton Rouge Parish. Survey results for the presence of wetlands in East and West Baton Rouge Parish, Louisiana for the improvement and widening of the I-10 corridor are described in the following sections.

2.0 PROJECT LOCATION AND DESCRIPTION

The Site is centered at Latitude 30°25'41.13" N; Longitude 91°10'06.21" W in Sections 41, 51, 53, 69, 93, and 94, Township 7 South, Range 1 East and West in East Baton Rouge Parish, and Sections 69 and 93, Township 7 South, Range 12 East in West Baton Rouge Parish. The point of beginning is at Latitude 30°24'44.86" N; Longitude 91°5'58.26" W and the point of ending is at Latitude 30°26'56.88" N; Longitude 91°15'07.25" W. Access to the Site is via I-10, I-12, and neighborhood roads. The Site is characterized by residential and commercial properties, urban areas, and mowed/maintained roadsides.

3.0 SOILS

The NRCS's Web Soil Survey was used to determine mapped soil series. The revised official series descriptions were used to confirm profile matrix, redox features, and texture of soils underlying the Site.

The Web Soil Survey shows that the Site may be underlain by 20 soil map units (NRCS Web Soil Survey 2016). **Tables 1 and 2** show the soil map unit's individual soil components, component percentage, and hydric status in East and West Baton Rouge Parishes respectively (NRCS Survey Area Data, Version 13, September 29, 2016).

Table 1: NRCS Web Soil Survey Data for East Baton Rouge Parish

Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status
Calhoun silt loam, 0 to 1 percent slopes (CcA)			
	Calhoun	85	Yes
	Frost	0-7	Yes
	Toula	5	No
	Coteau	3	No
	Bude	2	No
Cancienne silt loam, 0 to 1 percent slopes (CmA)			
	Cancienne	85-98	No
	Carville	2-10	No
	Thibaut	1-5	No
	Gramercy	1-5	Yes
Carville and Cancienne soils, gently undulating, frequently flooded (CNA)			
	Carville	34-80	Yes
	Cancienne	20-45	Yes
Deerford-Verdun complex, 0 to 1 percent slopes (DaA)			
	Deerford	50	No
	Verdun	40	No
	Frost	10	Yes
Feliciana silt loam, 8 to 30 percent slopes (FeF)			
	Feliciana	85	No
	Scotlandville	10	—
	Loring	5	—
Frost silt loam, 0 to 1 percent slopes (FoA)			
	Frost	90	Yes
	Coteau	5	No
	Jeanerette	5	No
Frost silt loam, 0 to 1 percent slopes, occasionally flooded (FrA)			
	Frost – Occasionally flooded	90	Yes
	Jeanerette	5	No
	Coteau	5	No

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Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status
Jeanerette silt loam, 0 to 1 percent slopes (JeA)			
	Jeanerette	80-95	No
	Frost	2-10	Yes
	Coteau	0-10	No
Levees (LE)			
	Levees	95	—
	Borrow pits	5	—
Oprairie silt, 0 to 1 percent slopes (OpA)			
	Oprairie	85	No
	Scotlandville	7	—
	Deerford	3	—
	Calhoun	3	—
	Gilbert	2	Yes
Oprairie silt, 1 to 3 percent slopes (OpB)			
	Oprairie	85	No
	Scotlandville	7	No
	Deerford	3	No
	Gilbert	2	Yes
	Calhoun	2	Yes
	Feliciana	1	—
Scotlandville silt, 0 to 1 percent slopes (SnA)			
	Scotlandville	85	No
	Oprairie	8	—
	Gilbert	2	—
	Frost	2	—
	Calhoun	2	—
	Feliciana	1	—
Scotlandville silt, 1 to 3 percent slopes (SnB)			
	Scotlandville	90	No
	Oprairie	7	No
	Feliciana	3	No

Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status
Scotlandville silt, 3 to 8 percent slopes (SnD)			
	Scotlandville	85	No
	Feliciana	8	No
	Other similar soils	5	No
	Satsuma	1	—
	Colyell	1	—
Udarents (UA)			
	Made land	100	No
Urban land (UrA)			
	Urban land	85	No
	Lawns	5	No
	Miscellaneous	5	No

Table 2: NRCS Web Soil Survey Data for West Baton Rouge Parish

Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status
Commerce silty clay loam (Cm)			
	Commerce	90	No
	Sharkey	10	Yes
Robinsonville and Commerce soils, occasionally flooded (RE)			
	Robinsonville	60	No
	Commerce	30	No
	Minor components	10	Yes
Sharkey clay, 0 to 1 percent slopes, rarely flooded, south (Sf)			
	Sharkey	80-95	Yes
	Tunica	1-6	No
	Dowling	2-10	Yes
	Commerce	2-4	No
Tunica clay (Tc)			
	Dowling	2-10	Yes
	Commerce	2-4	No
	Dowling	2-10	Yes

Providence collected soil samples between the surface and approximately 16 inches below ground surface. The depth of each sample was sufficient to determine changes in upper horizons and to observe field indicators of hydric soils. Based on field observations, the wetland criterion for hydric soils was met at ten of the 23 sample locations established by Providence to characterize the Site.

4.0 VEGETATION

Indicator statuses for dominant vegetation on the Site consist of upland (UPL), facultative upland (FACU), facultative (FAC), facultative wetland (FACW), and obligate wetland (OBL) species. Table 3 is an alphabetical list of the dominant plant species observed at the Site.

Table 3: List of Dominant Plant Species

Common Name	Scientific Name	Cowardin Class
American elm	<i>Ulmus americana</i>	FAC
American buckwheat vine	<i>Brunnichia ovata</i>	FACW
American marsh-penny wort	<i>Hydrocotyle americana</i>	OBL
Ash-leaf maple	<i>Acer negundo</i>	FAC
Bahia grass	<i>Paspalum notatum</i>	FACU
Bermuda grass	<i>Cynodon dactylon</i>	FACU
Black elder	<i>Sambucus nigra</i>	FACW
China-berry	<i>Melia azedarach</i>	UPL
Chinese privet	<i>Ligustrum sinense</i>	FAC
Chinese tallowtree	<i>Triadica sebifera</i>	FAC
Crimson clover	<i>Trifolium incarnatum</i>	NL (UPL)
Dwarf palmetto	<i>Sabal minor</i>	FACW
Eastern poison ivy	<i>Toxicodendron radicans</i>	FAC
Great ragweed	<i>Ambrosia trifida</i>	FAC
Golden crown grass	<i>Paspalum dilatatum</i>	FAC
Horsebrier	<i>Smilax rotundifolia</i>	FAC
Indian wood-oats	<i>Chasmanthium latifolium</i>	FAC
Italian bristle grass	<i>Setaria italica</i>	FACU
Japanese honeysuckle	<i>Lonicera japonica</i>	FACU
Japanese privet	<i>Ligustrum japonicum</i>	FAC
Johnson grass	<i>Sorghum halepense</i>	FACU
Live oak	<i>Quercus virginiana</i>	FACU
Loblolly pine	<i>Pinus taeda</i>	FAC
Many-flower Marsh-Penny	<i>Hydrocotyle umbellata</i>	OBL
Muscadine	<i>Vitis rotundifolia</i>	FAC
Paper-mulberry	<i>Broussonetia papyrifera</i>	FACU
Pecan	<i>Carya illinoensis</i>	FACU
Peppervine	<i>Ampelopsis arborea</i>	FAC
Purple-top vervain	<i>Verbena bonariensis</i>	FAC
Rusty flat sedge	<i>Cyperus odoratus</i>	FACW

Common Name	Scientific Name	Cowardin Class
Shameplant	<i>Mimosa pudica</i>	FACU
Shumard's oak	<i>Quercus shumardii</i>	FAC
Slash pine	<i>Pinus elliotii</i>	FACW
Southern bald-cypress	<i>Taxodium distichum</i>	OBL
Southern dewberry	<i>Rubus trivialis</i>	FACU
St. Augustine grass	<i>Stenotaphrum secundatum</i>	FAC
Sugar-berry	<i>Celtis laevigata</i>	FACW
Trumpet-creeper	<i>Campsis radicans</i>	FAC
Turkey-tangle	<i>Phyla nodiflora</i>	FAC
Water oak	<i>Quercus nigra</i>	FAC
White clover	<i>Trifolium repens</i>	FACU

The wetland criterion for a prevalence of hydrophytic vegetation was met at ten of the 23 sample locations established by Providence to characterize the Site.

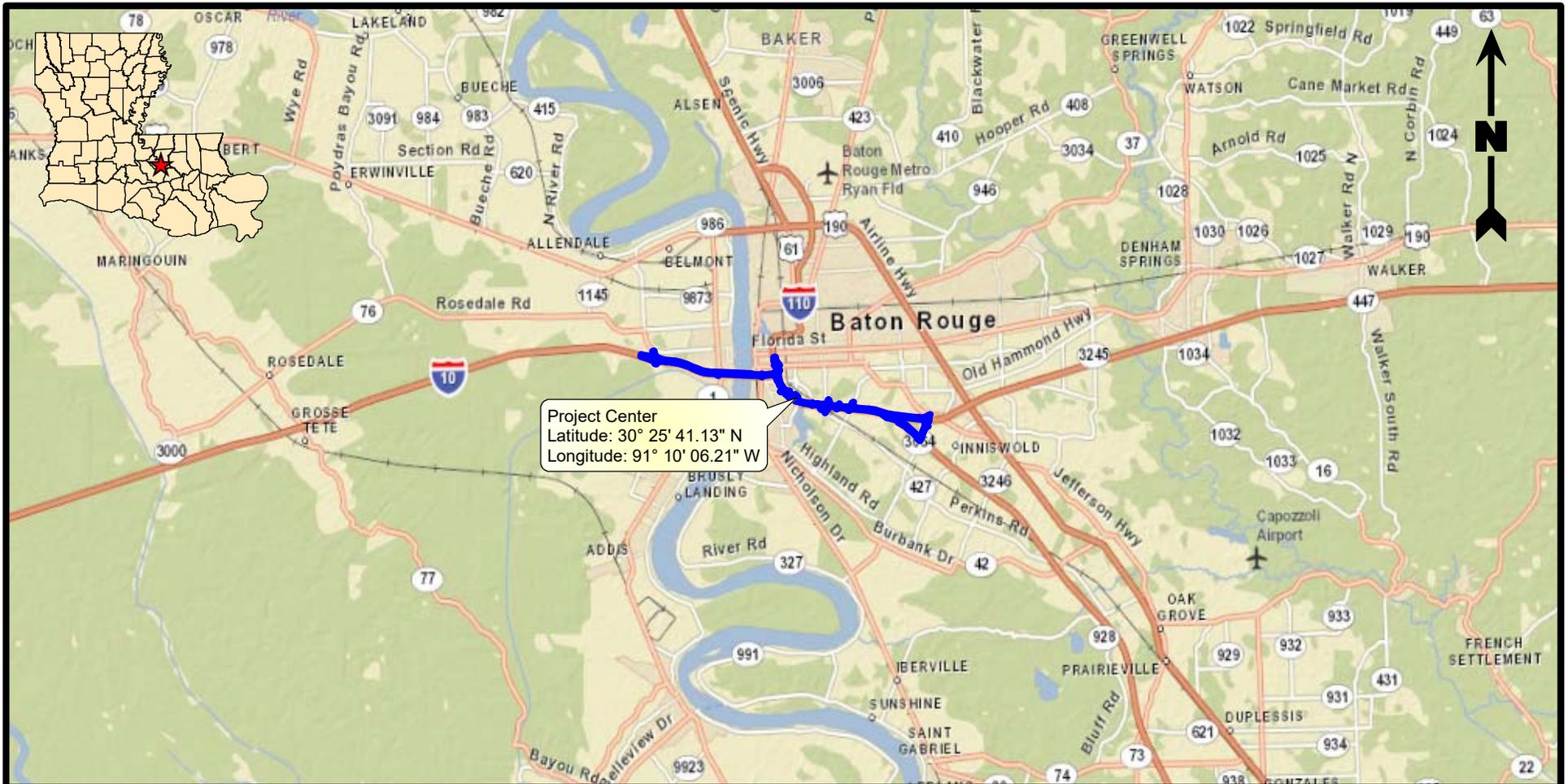
5.0 HYDROLOGY

The Site is within the Amite watershed and USGS Hydrologic Unit Cataloging No. 08070202 in East Baton Rouge Parish, and within the Lower Grand watershed and USGS Hydrologic Unit Cataloging No. 08070300 in West Baton Rouge Parish. Hydrology on the Site is primarily attributed to rainfall, sheet flow, interstate runoff, and backwater flooding from Dawson Creek and unnamed tributaries. Primary and secondary wetland hydrologic indicators observed include: drift deposits, saturation within the upper twelve inches of the soil profiles, surface water, and positive FAC-neutral tests. The wetland criterion for hydrology was met at seven of the 23 sample locations established by Providence to characterize the Site.

6.0 CONCLUSIONS

Positive evidence of all three diagnostic characteristics for jurisdictional wetlands was found at five of the 23 sample locations established by Providence to characterize the Site. Evidence of poor drainage found in association with hydric soils, and predominantly hydrophytic vegetation was considered sufficient to confirm the presence of potential jurisdictional wetlands. Based on site observations and analysis of field data, it appears that 9.77 acres of potential jurisdictional wetlands (Palustrine Forested (PFO), 7.47 acres; Palustrine Emergent (PEM), 2.30 acres) and 2.93 acres (~19,670 linear feet) of other waters of the United States are present within the Site.

FIGURE 1
VICINITY MAP

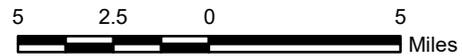


Legend

 Project Area (549.24 Acres)

Reference

Base map comprised of ESRI StreetMap USA data.



Vicinity Map

Wetland Data Report/Request For Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

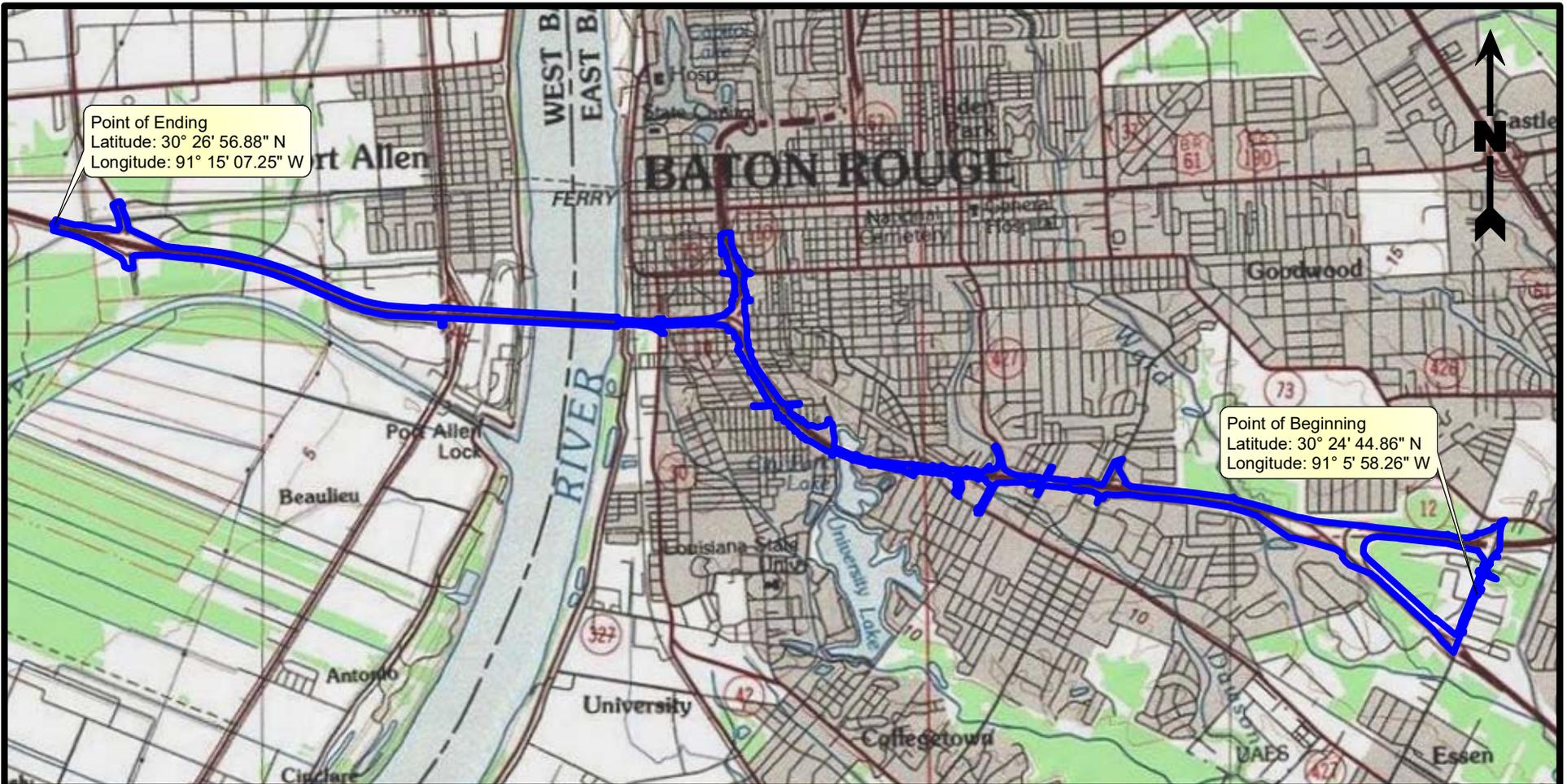


PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	1 Figure
040-012-001	
Drawing Number	
040-012-001-A113	

FIGURE 2
SITE LOCATION MAP



Point of Ending
 Latitude: 30° 26' 56.88" N
 Longitude: 91° 15' 07.25" W

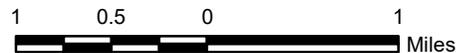
Point of Beginning
 Latitude: 30° 24' 44.86" N
 Longitude: 91° 5' 58.26" W

Legend

 Project Area (549.24 Acres)

Reference

Base map comprised of United States Geological Survey (USGS) 100K topographic map, "Baton Rouge, LA".



Site Location Map

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Louisiana Department of Transportation and Development
 I-10: LA 415 to Essen Lane on I-10 and I-12



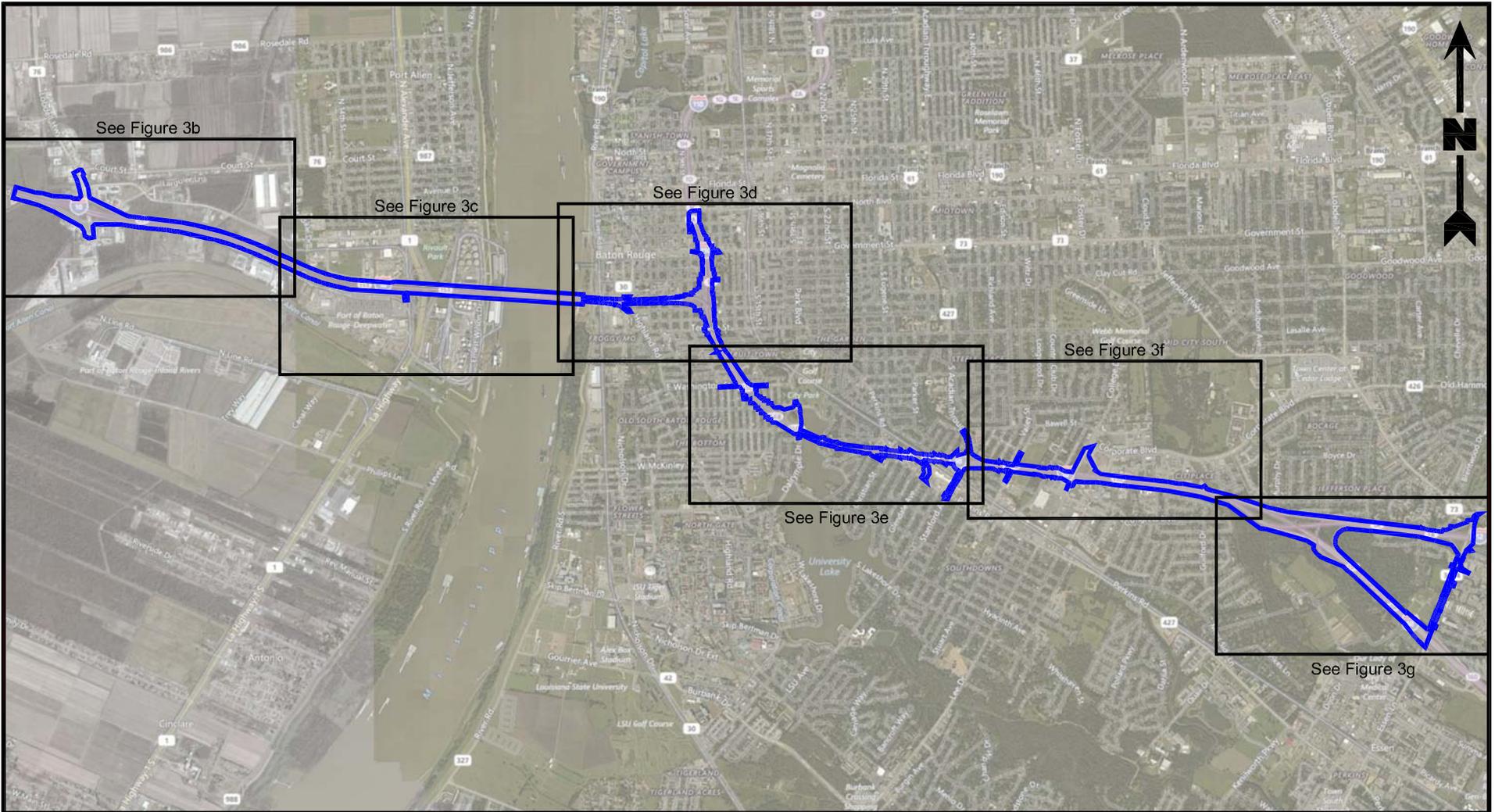
PROVIDENCE

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Drawing Number	Figure
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FIGURES 3a-3g

SITE PLANS

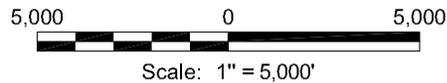


Legend

 Project Area (549.24 Acres)

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17.



Site Plan

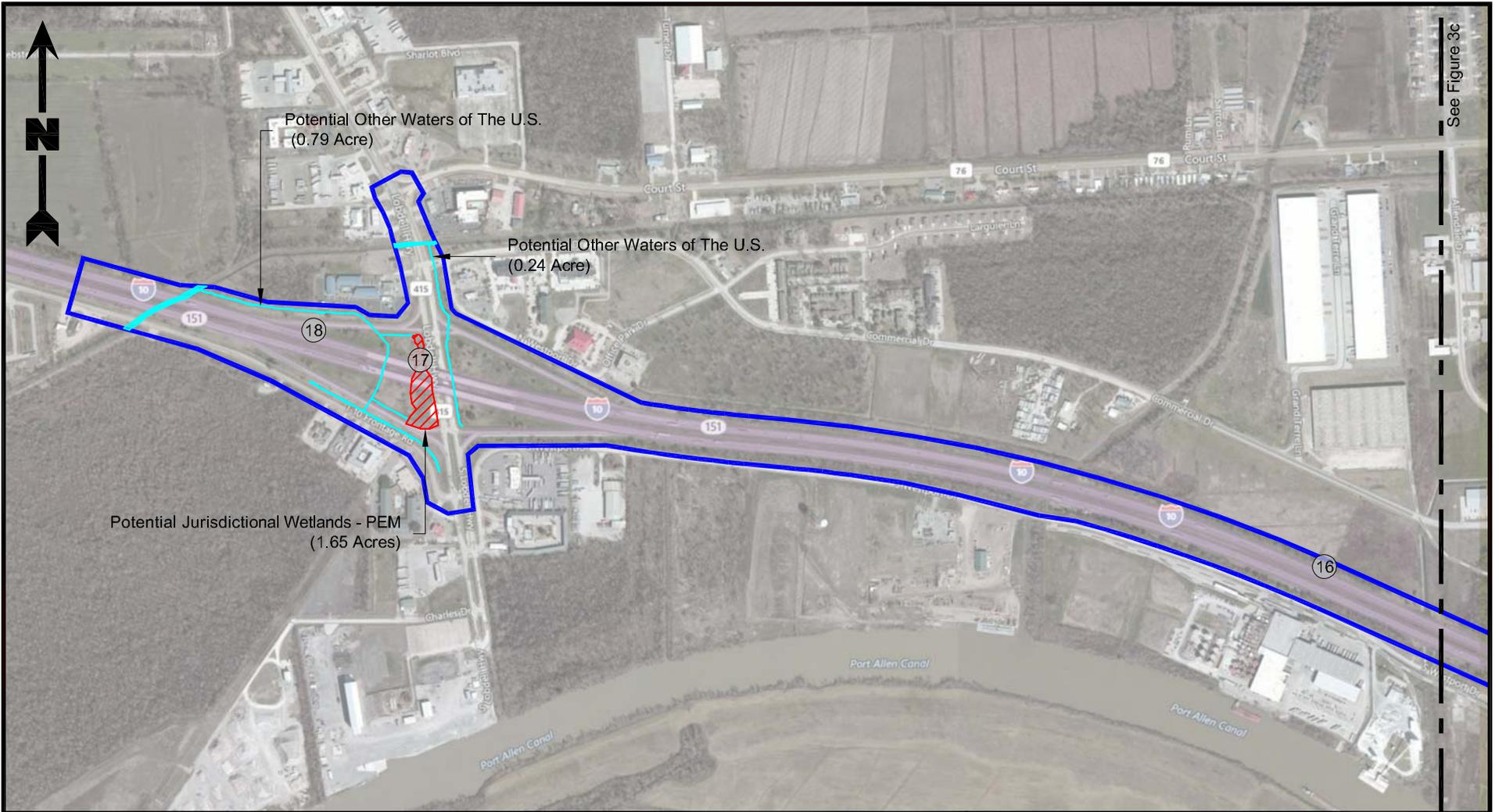
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Project Number	040-012-001	3a Figure
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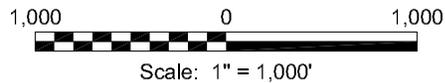


Legend

- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
- Potential Jurisdictional Wetlands - PFO (7.47 Acres)
- Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
- ① Sample Location

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.



Site Plan

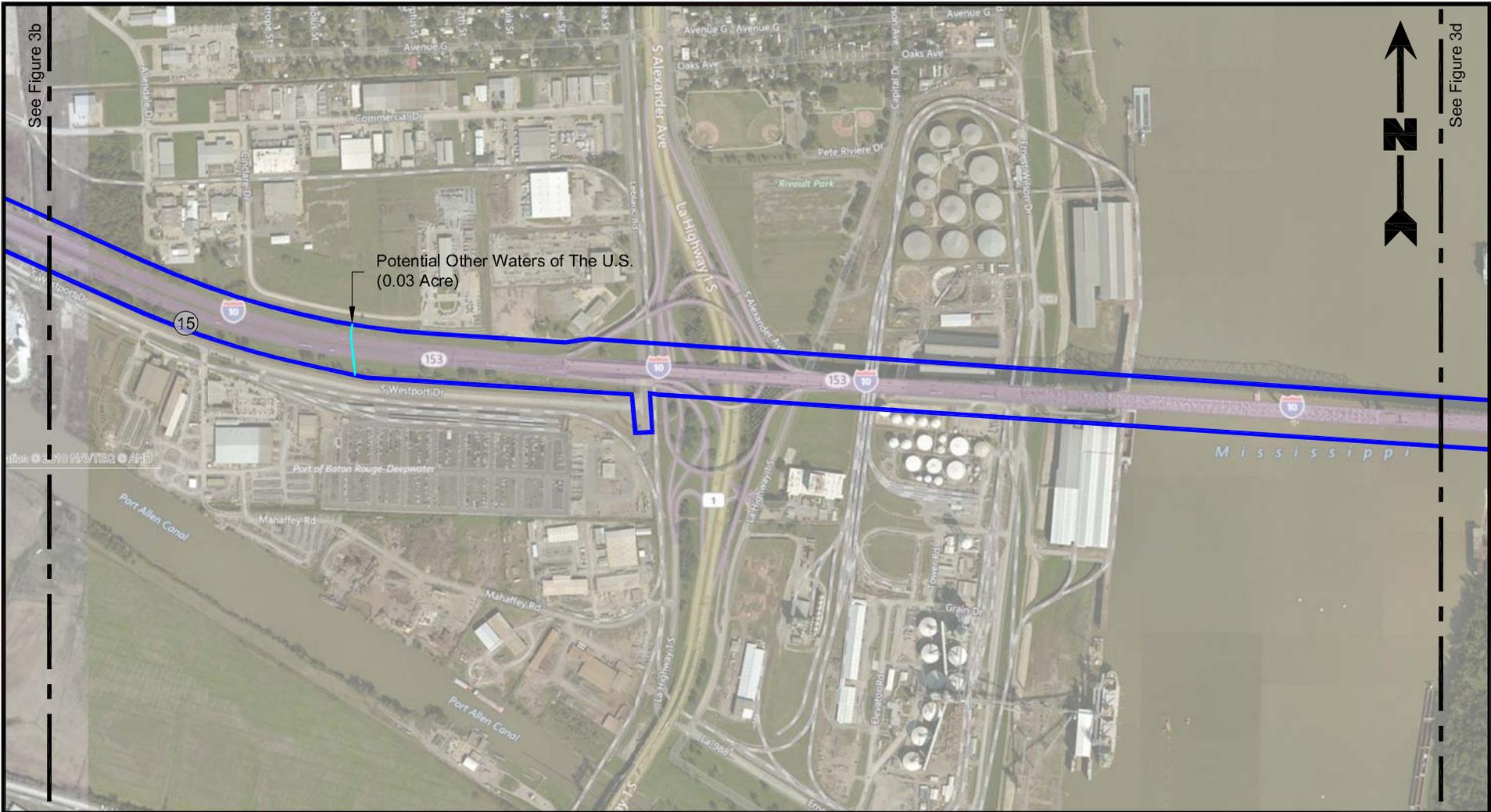
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Project Number 040-012-001	3b
Drawing Number 040-012-001-A116	
Figure	

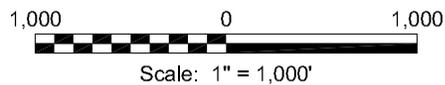


Legend

-  Project Area (549.24 Acres)
-  Potential Jurisdictional Wetlands - PEM (2.30 Acres)
-  Potential Jurisdictional Wetlands - PFO (7.47 Acres)
-  Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
-  Sample Location

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.



Site Plan

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East and West Baton Rouge Parishes, Louisiana

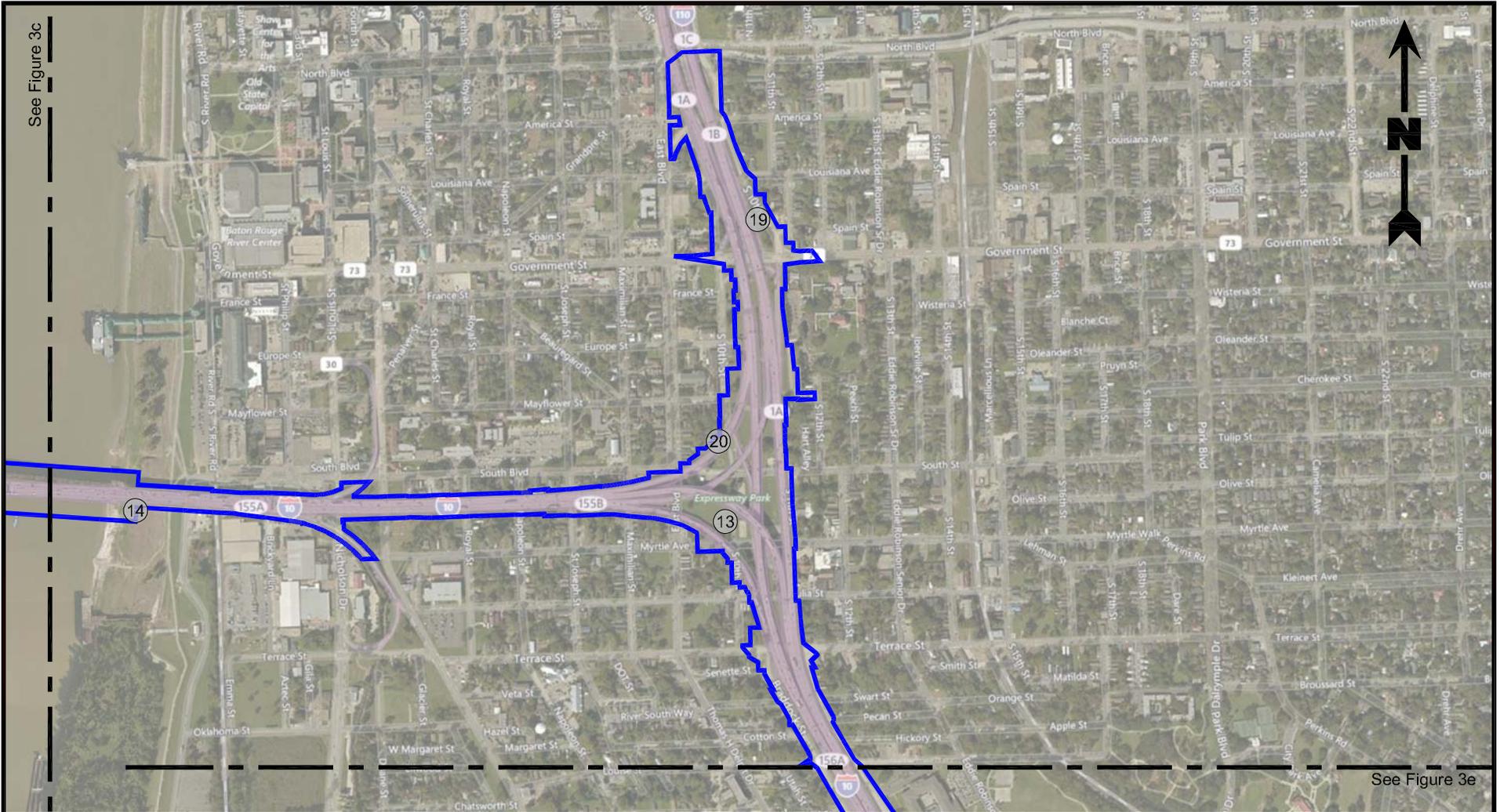
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I-10: LA 415 to Essen Lane on I-10 and I-12



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Approved By	TCK	08/07/17

Project Number 040-012-001	3c Figure
Drawing Number 040-012-001-A117	

See Figure 3c



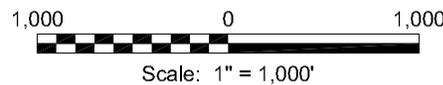
See Figure 3e

Legend

-  Project Area (549.24 Acres)
-  Potential Jurisdictional Wetlands - PEM (2.30 Acres)
-  Potential Jurisdictional Wetlands - PFO (7.47 Acres)
-  Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
-  Sample Location

Reference

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Site Plan

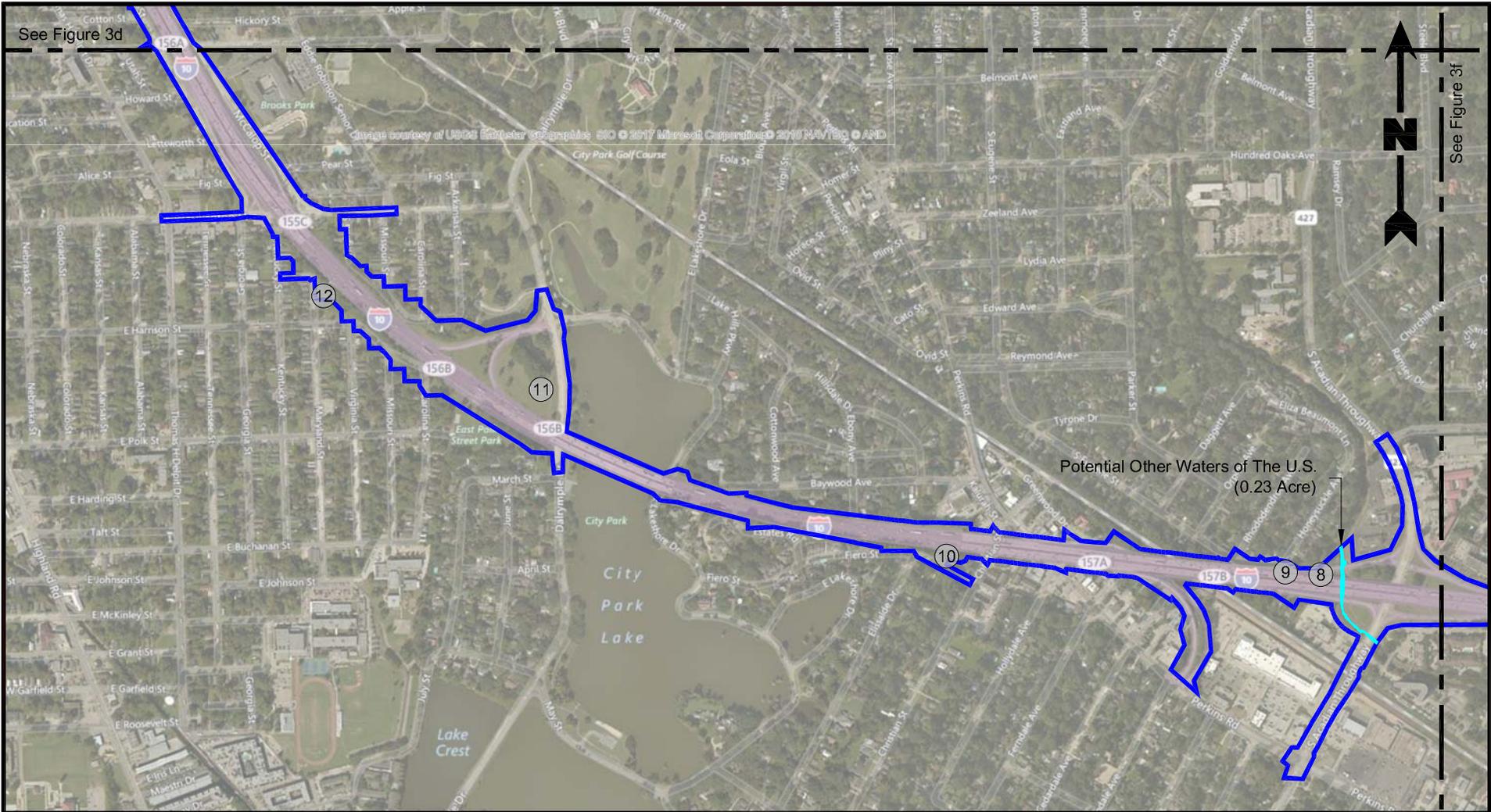
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I-10: LA 415 to Essen Lane on I-10 and I-12



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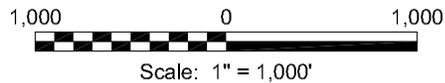


Legend

-  Project Area (549.24 Acres)
-  Potential Jurisdictional Wetlands - PEM (2.30 Acres)
-  Potential Jurisdictional Wetlands - PFO (7.47 Acres)
-  Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
-  Sample Location

Reference

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Site Plan

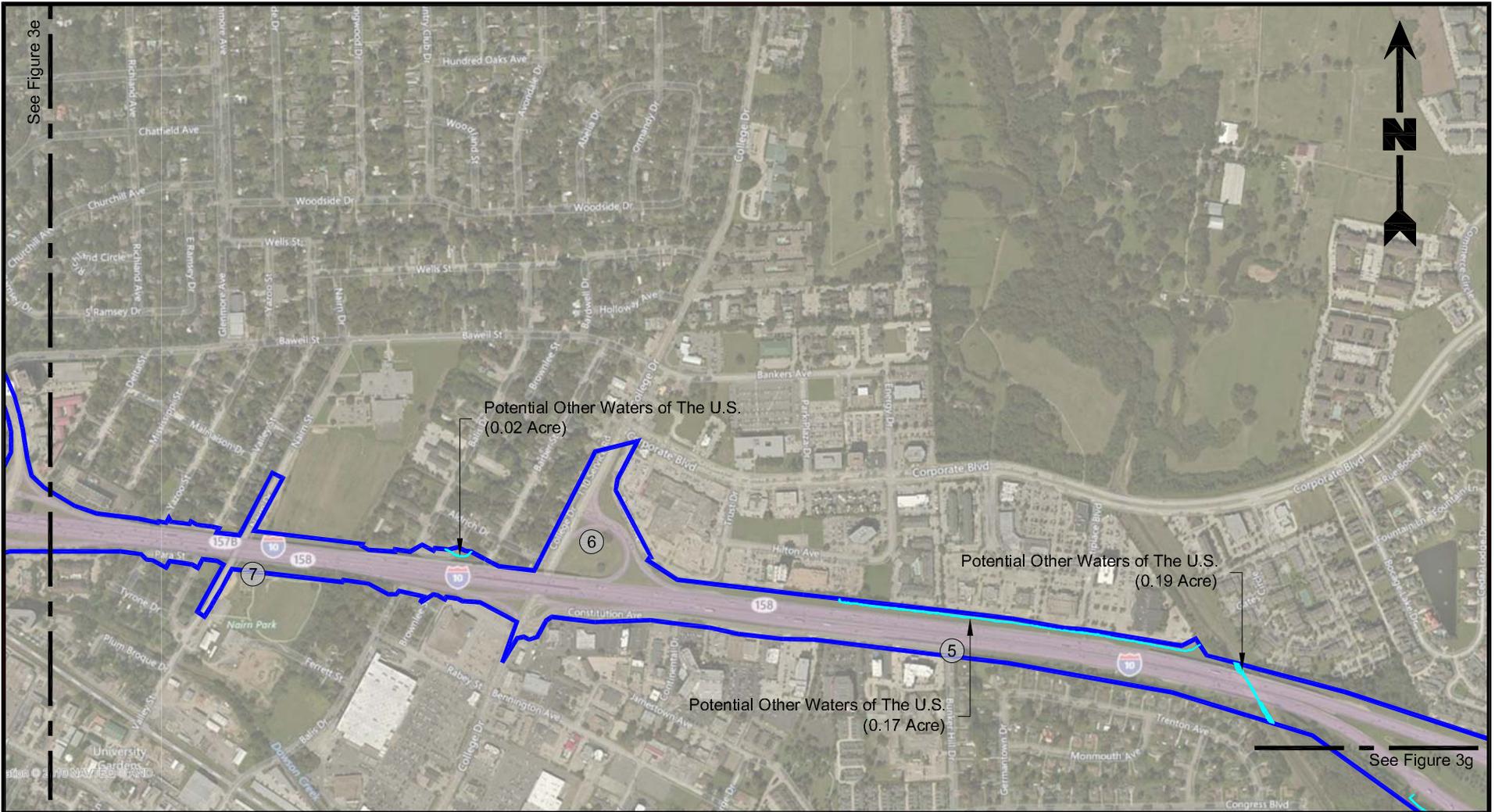
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Approved By	TCK	08/07/17

Project Number	3e
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Drawing Number	Figure
040-012-001-A119	

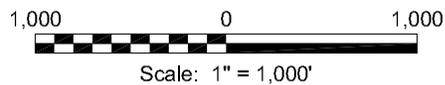


Legend

- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
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- Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
- 1 Sample Location

Reference

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Site Plan

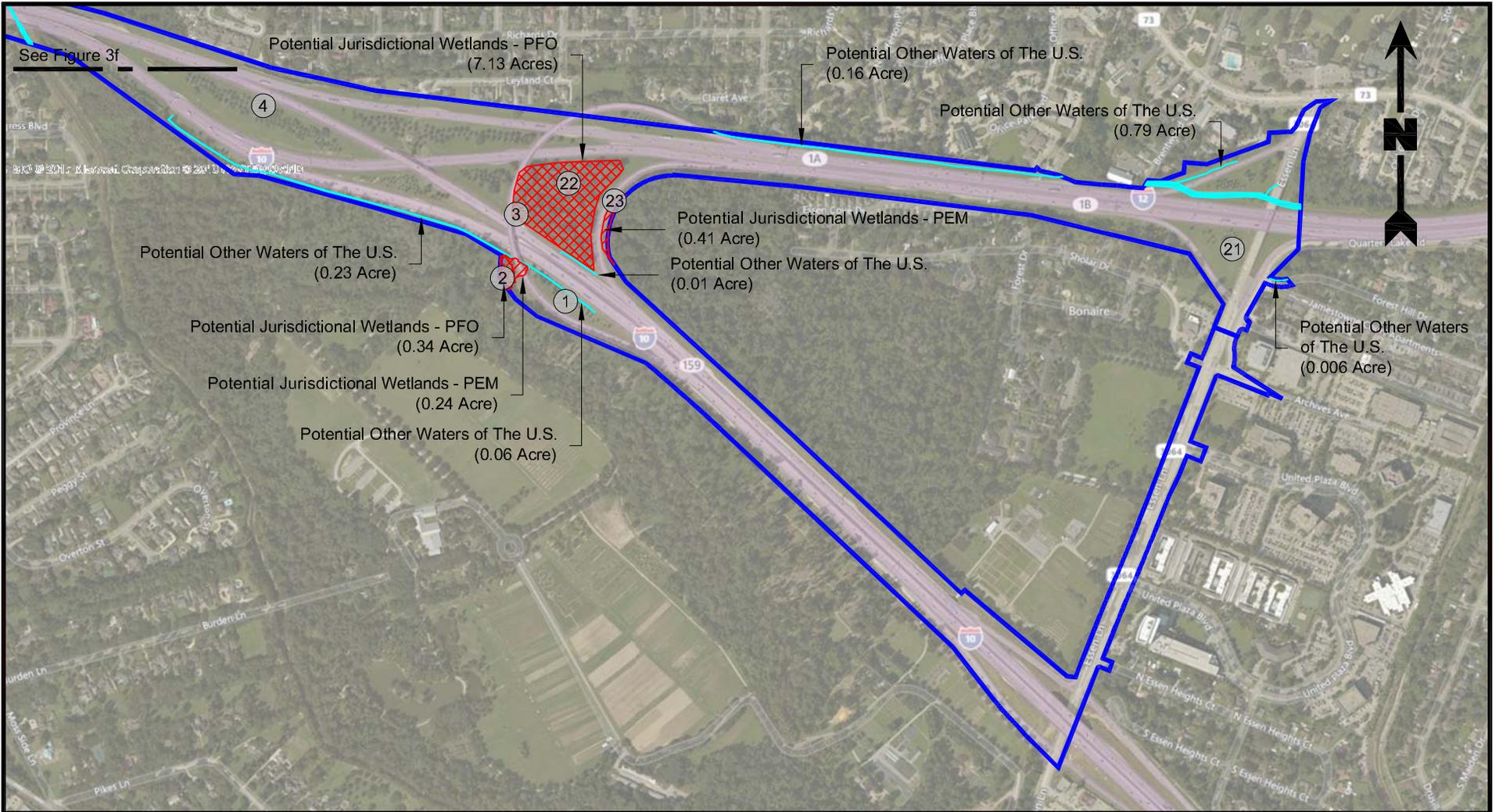
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East and West Baton Rouge Parishes, Louisiana**

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I-10: LA 415 to Essen Lane on I-10 and I-12



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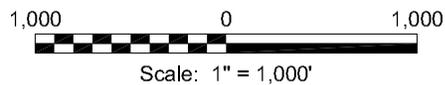


Legend

- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
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- Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
- 1 Sample Location

Reference

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Site Plan

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I-10: LA 415 to Essen Lane on I-10 and I-12

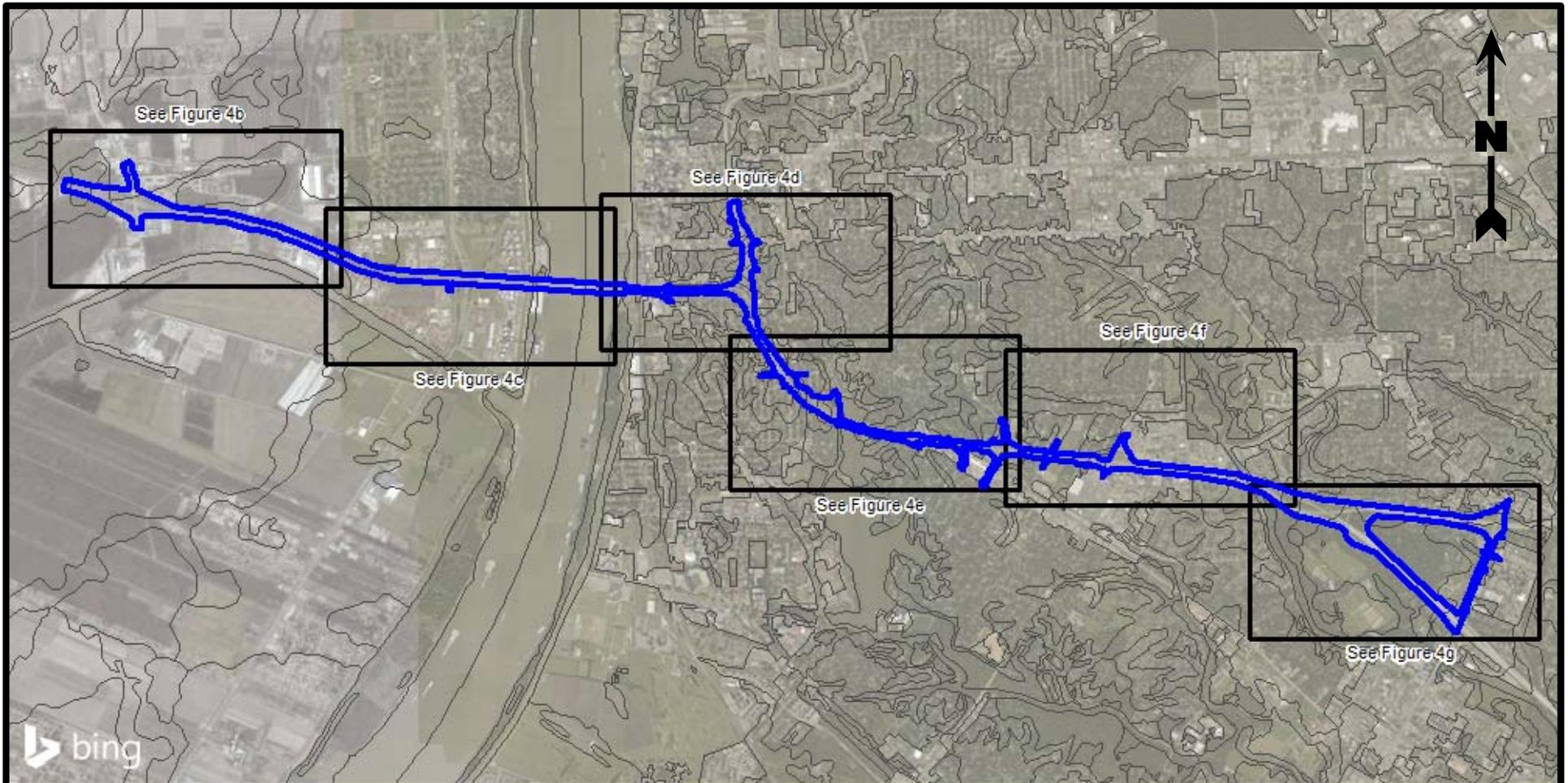


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Checked By	LMH	08/07/17
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Project Number	040-012-001	3g
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		Figure

FIGURES 4a-4g

SOILS MAP

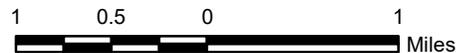


Legend

-  Project Area (549.24 Acres)
-  Soils Data

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.



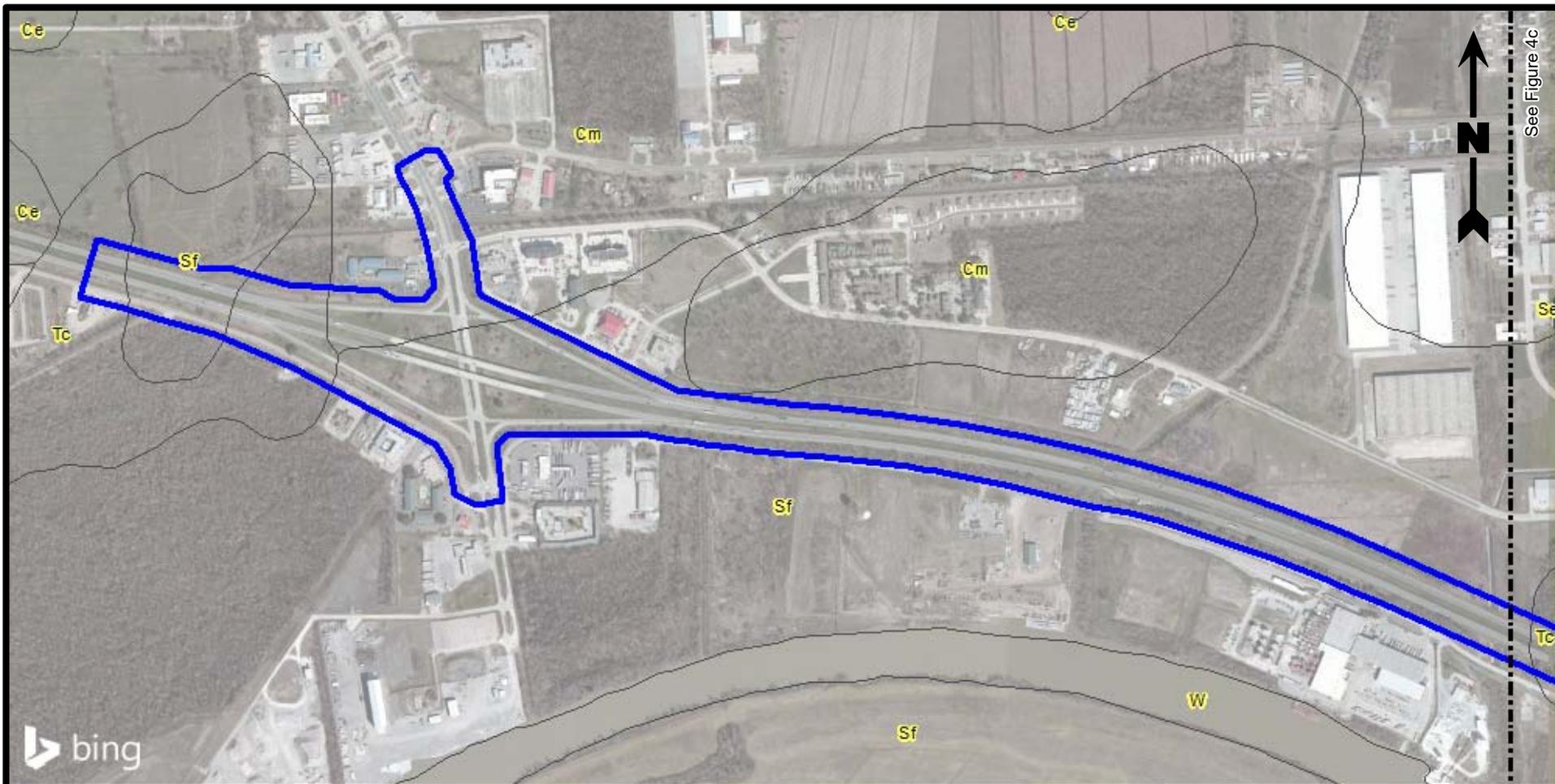
Soils Map

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East and West Baton Rouge Parishes, Louisiana

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	Project Number 040-012-001	4a Figure
	Drawing Number 040-012-001-A122	



Legend

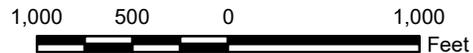
Project Area (549.24 Acres)

Soils Data

- Ce - Commerce silt loam
- Cm - Commerce silty clay loam
- Se - Sharkey silty clay loam
- Sf - Sharkey clay
- Tc - Tunica clay
- W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.



Soils Map

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East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

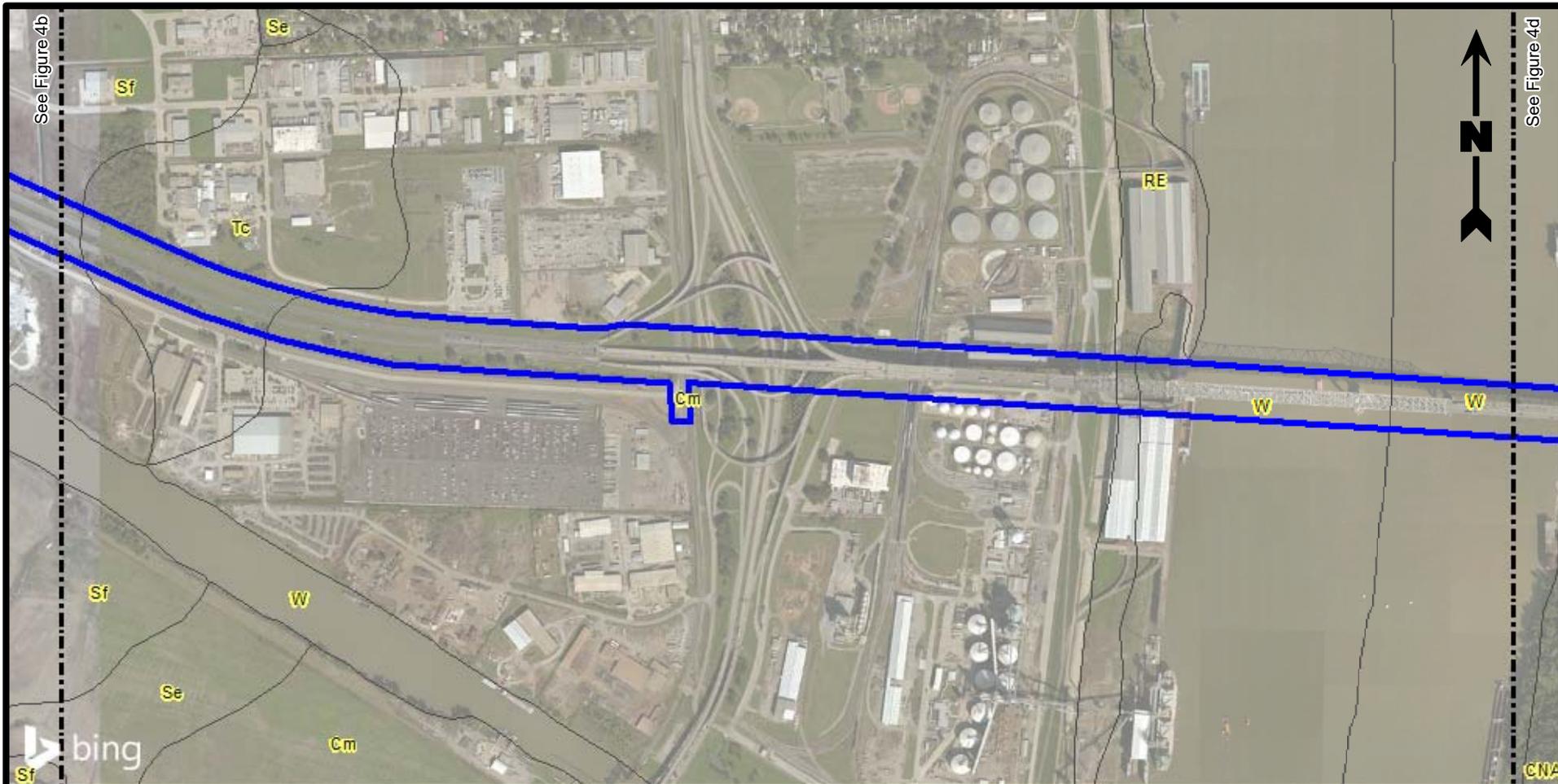


PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	040-012-001
Drawing Number	040-012-001-A123

4b
Figure



Legend

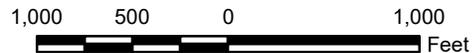
Project Area (549.24 Acres)

Soils Data

- Cm - Commerce silty clay loam
- CNA - Carville and Cancienne soils, gently undulating, frequently flooded
- RE - Robinsonville and Commerce soils, occasionally flooded
- Se - Sharkey silty clay loam
- Sf - Sharkey clay
- Tc - Tunica clay
- W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.



Soils Map

Wetland Data Report/Request For Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

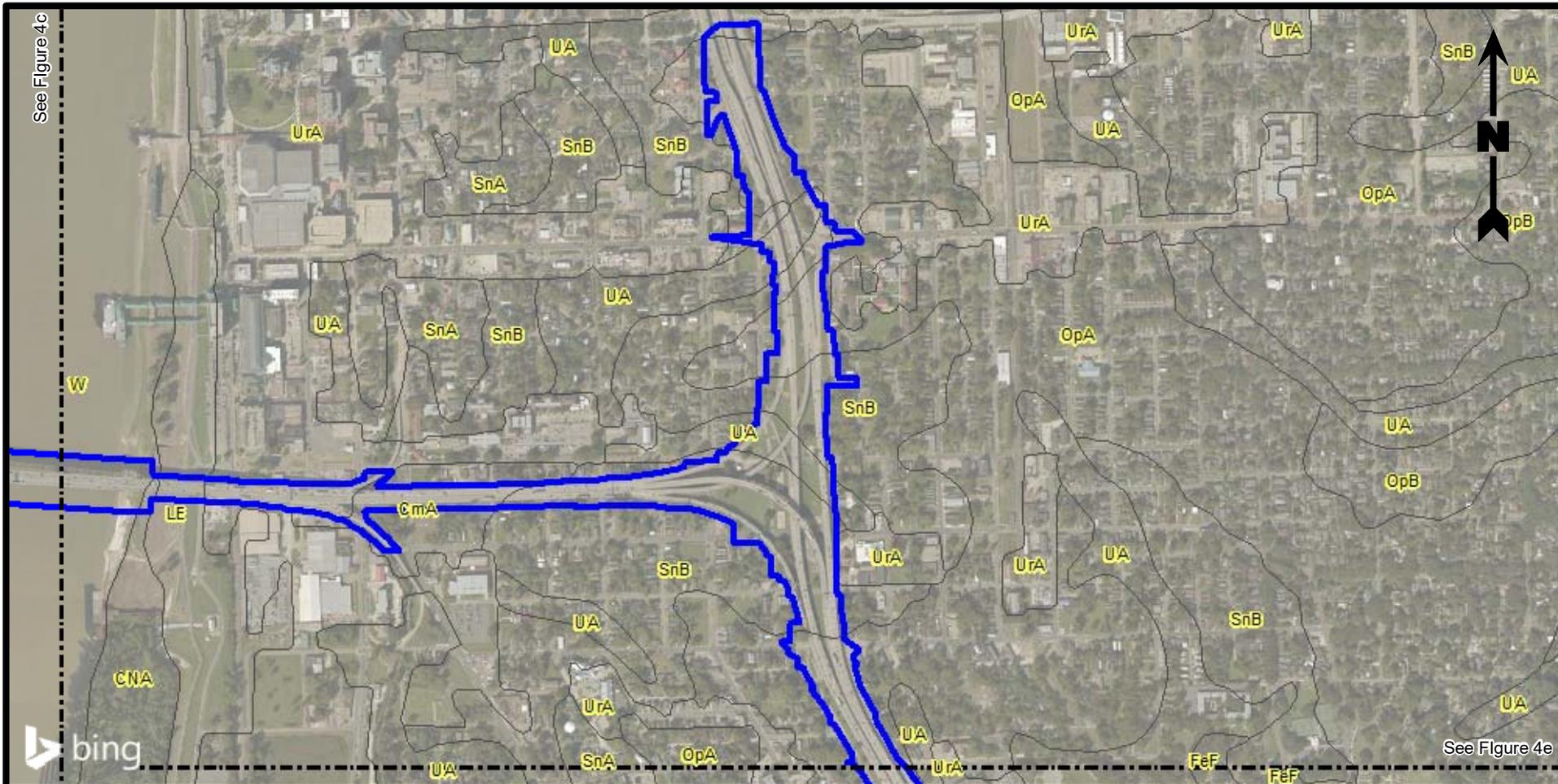


PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	040-012-001
Drawing Number	040-012-001-A124

4C
Figure



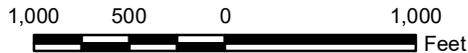
Legend

Project Area (549.24 Acres)

Soils Data

CmA - Canebrake silt loam, 0 to 1 percent slopes
 CNA - Carville and Canebrake soils, gently undulating, frequently flooded
 FeF - Feliciana silt loam, 8 to 30 percent slopes
 LE - Levees
 OpA - Oprearie silt, 0 to 1 percent slopes
 OpB - Oprearie silt, 1 to 3 percent slopes

SnA - Scotlandville silt, 0 to 1 percent slopes
 SnB - Scotlandville silt, 1 to 3 percent slopes
 UA - Udalents
 UrA - Urban land
 W - Water



Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Wetland Data Report/Request For Preliminary Jurisdictional Determination
 East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
 I-10: LA 415 to Essen Lane on I-10 and I-12

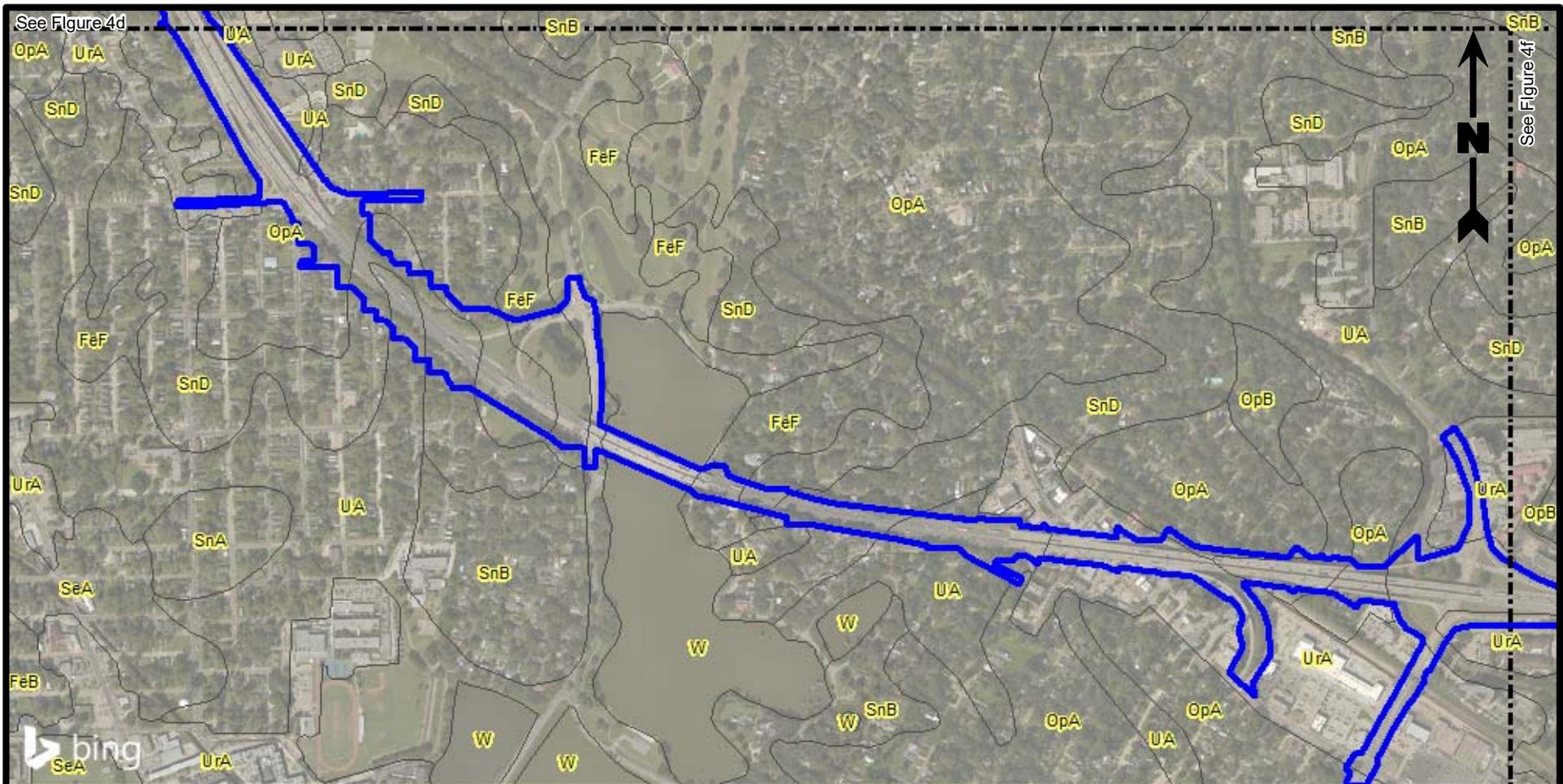


PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	040-012-001
Drawing Number	040-012-001-A125

4d
Figure

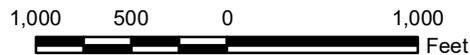


Legend

Project Area (549.24 Acres)

Soils Data

- FeB - Feliciana silt, 0 to 3 percent slopes
- FeF - Feliciana silt loam, 8 to 30 percent slopes
- OpA - Oprairie silt, 0 to 1 percent slopes
- OpB - Oprairie silt, 1 to 3 percent slopes
- SeA - Schriever clay
- SnA - Scotlandville silt, 0 to 1 percent slopes
- SnB - Scotlandville silt, 1 to 3 percent slopes
- SnD - Scotlandville silt, 3 to 8 percent slopes
- UA - Udarents
- UrA - Urban land
- W - Water



Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Wetland Data Report/Request For Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

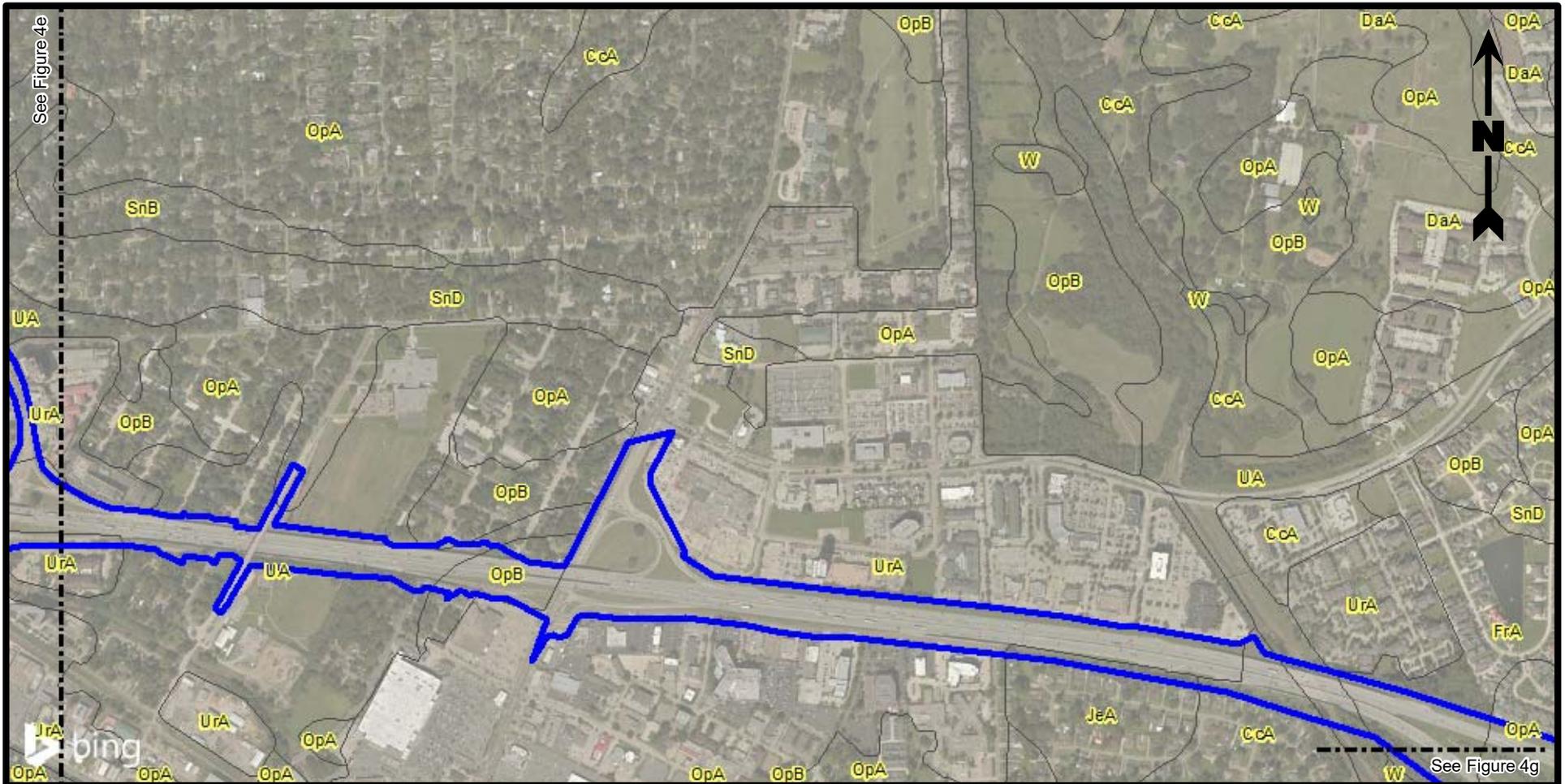


PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	040-012-001
Drawing Number	040-012-001-A126

4e
Figure

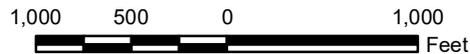


Legend

- Project Area (549.24 Acres)
- Soils Data

CcA - Calhoun silt loam, 0 to 1 percent slopes
 DaA - Deerford-Verdun complex, 0 to 2 percent slopes
 FrA - Frost silt loam, 0 to 1 percent slopes, occasionally flooded
 JeA - Jeanerette silt loam, 0 to 1 percent slopes
 OpA - Oprairie silt, 0 to 1 percent slopes
 OpB - Oprairie silt, 1 to 3 percent slopes

SnB - Scotlandville silt, 1 to 3 percent slopes
 SnD - Scotlandville silt, 3 to 8 percent slopes
 UA - Udarents
 UrA - Urban land
 W - Water



Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Wetland Data Report/Request For Preliminary Jurisdictional Determination
 East and West Baton Rouge Parishes, Louisiana

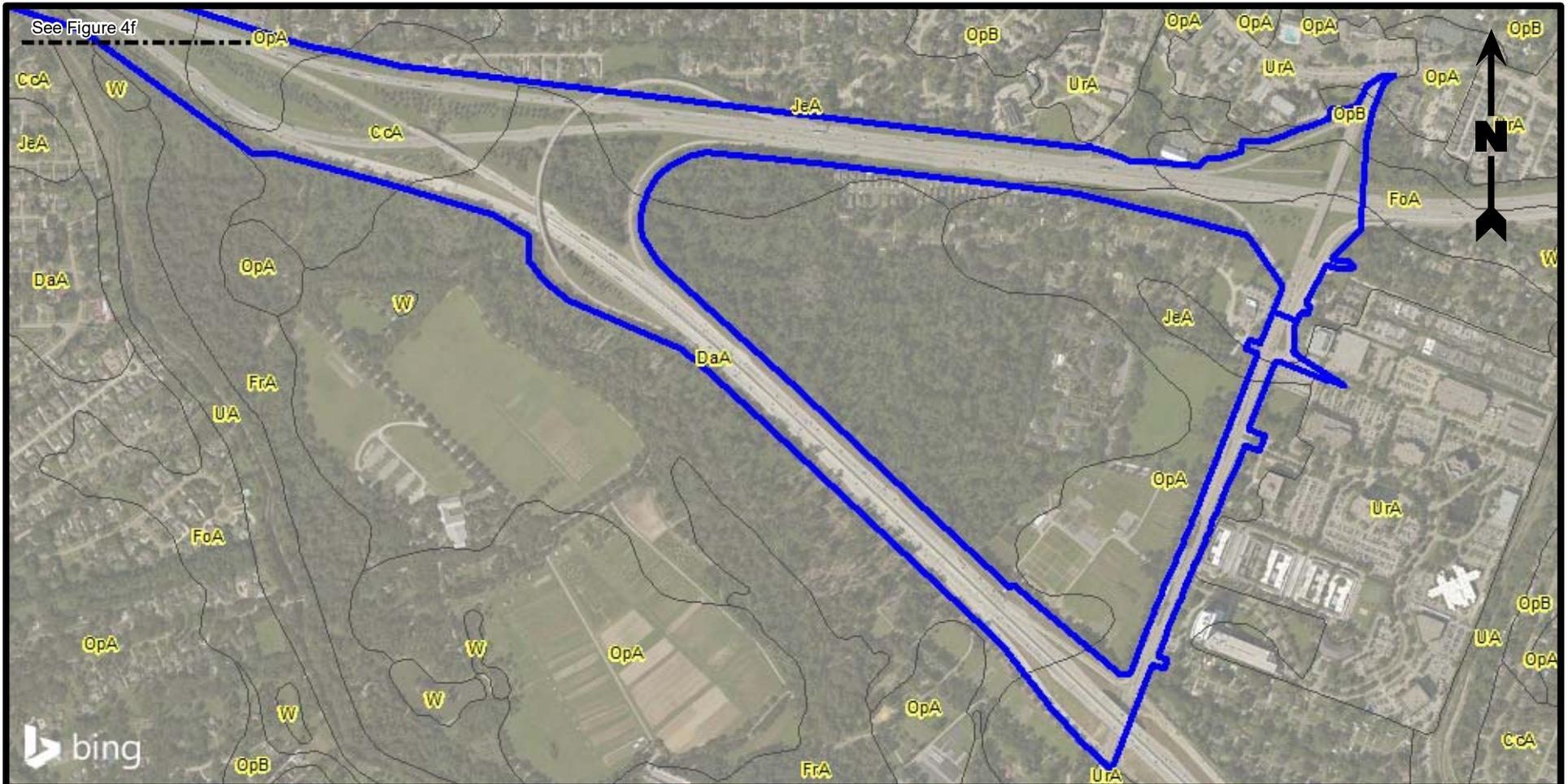
Louisiana Department of Transportation and Development
 I-10: LA 415 to Essen Lane on I-10 and I-12



PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	4f
040-012-001	
Drawing Number	Figure
040-012-001-A127	



Legend

Project Area (549.24 Acres)

Soils Data

CcA - Calhoun silt loam, 0 to 1 percent slopes
 DaA - Deerford-Verdun complex, 0 to 2 percent slopes
 FoA - Frost silt loam, 0 to 1 percent slopes
 FrA - Frost silt loam, 0 to 1 percent slopes, occasionally flooded
 JeA - Jeanerette silt loam, 0 to 1 percent slopes

OpA - Oprairie silt, 0 to 1 percent slopes
 OpB - Oprairie silt, 1 to 3 percent slopes
 UA - Udarents
 Ura - Urban land
 W- Water



Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Wetland Data Report/Request For Preliminary Jurisdictional Determination
 East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
 I-10: LA 415 to Essen Lane on I-10 and I-12



PROVIDENCE

Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number	040-012-001
Drawing Number	040-012-001-A128

4g
Figure

EXHIBIT A

COPIES OF SITE PHOTOGRAPHS

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #1A

Direction:

N/A

Comments:

View of soil profile at Sample Location 1.



Photograph #1B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 1.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #2A

Direction:

N/A

Comments:

View of soil profile at Sample Location 2.



Photograph #2B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 2.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #3A

Direction:

N/A

Comments:

View of soil profile at Sample Location 3.



Photograph #3B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 3.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #4A

Direction:

N/A

Comments:

View of soil profile at Sample Location 4.



Photograph #4B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 4.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #5A

Direction:

N/A

Comments:

View of soil profile at Sample Location 5.



Photograph #5B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 5.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #6A

Direction:

N/A

Comments:

View of soil profile at Sample Location 6.



Photograph #6B

Direction:

South

Comments:

View of habitat and typical landscape features at Sample Location 6.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #7A

Direction:

N/A

Comments:

View of soil profile at Sample Location 7.



Photograph #7B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 7.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #8A

Direction:

N/A

Comments:

View of soil profile at Sample Location 8.



Photograph #8B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 8.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #9A

Direction:

N/A

Comments:

View of soil profile at Sample Location 9.



Photograph #9B

Direction:

South

Comments:

View of habitat and typical landscape features at Sample Location 9.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #10A

Direction:

N/A

Comments:

View of soil profile at Sample Location 10.



Photograph #10B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 10.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #11A

Direction:

N/A

Comments:

View of soil profile at Sample Location 11.



Photograph #11B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 11.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #12A

Direction:

N/A

Comments:

View of soil profile at Sample Location 12.



Photograph #12B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 12.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #13A

Direction:

N/A

Comments:

View of soil profile at Sample Location 13.

No soil sample collected due to fill in the soil profile.

Photograph #13B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 13.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #14A

Direction:

N/A

Comments:

View of soil profile at Sample Location 14.

No soil sample collected due to fill underneath the vegetation. Chunks of concrete and various metals mixed in.

Photograph #14B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 14.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, West Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #15A

Direction:

N/A

Comments:

View of soil profile at Sample Location 15.



Photograph #15B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 15.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, West Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #16A

Direction:

N/A

Comments:

View of soil profile at Sample Location 16.



Photograph #16B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 16.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, West Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #17A

Direction:

N/A

Comments:

View of soil profile at Sample Location 17.

No soil sample collected. Soils assumed hydric due to extent/duration of inundation.

Photograph #17B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 17.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, West Baton Rouge Parish, Louisiana

Date: June 26, 2017

Photograph #18A

Direction:

N/A

Comments:

View of soil profile at Sample Location 18.



Photograph #18B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 18.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: July 31, 2017

Photograph #19A

Direction:

N/A

Comments:

View of soil profile at Sample Location 19.



Photograph #19B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 19.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: July 31, 2017

Photograph #20A

Direction:

N/A

Comments:

View of soil profile at Sample Location 20.



Photograph #20B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 20.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: July 31, 2017

Photograph #21A

Direction:

N/A

Comments:

View of soil profile at Sample Location 21.



Photograph #21B

Direction:

South

Comments:

View of habitat and typical landscape features at Sample Location 21.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: July 31, 2017

Photograph #22A

Direction:

N/A

Comments:

View of soil profile at Sample Location 22.



Photograph #22B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 22.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12

Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana

Date: July 31, 2017

Photograph #23A

Direction:

N/A

Comments:

View of soil profile at Sample Location 23.



Photograph #23B

Direction:

South

Comments:

View of habitat and typical landscape features at Sample Location 23.



EXHIBIT B

**WETLAND DETERMINATION DATA FORMS - ATLANTIC AND
GULF COASTAL PLAIN REGION**

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	1
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 41, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.415672°	Long: -91.112551°	Datum: NAD83
Soil Map Unit Name:	Deerford-Verdun complex		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	No		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	No	Sparsely Veg. Concave Surface (B8)
No High Water Table (A2)	No Aquatic Fauna (B13)	No	Drainage Patterns (B10)
No Saturation (A3)	No Marl Deposits (B15) (LRR U)	No	Moss Trim Lines (B16)
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No	Dry-Season Water Table (C2)
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No	Crayfish Burrows (C8)
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No	Saturation on Aerial Imagery (C9)
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No	Geomorphic Position (D2)
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No	Shallow Aquitard (D3)
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-4	10YR 4/3	100					silt loam
4-10	10YR 6/3	90	10YR 5/6	10	C	M	silt loam
10-16	10YR 4/4	90	10YR 5/6	10	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No Stratified Layers (A5)	No Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No	Red Parent Material (TF2)
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No	Other (Explain)
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>No</u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	2
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 41, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.416102°	Long: -91.113889°	Datum: NAD83
Soil Map Unit Name:	Deerford-Verdun complex		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	Yes
Hydric Soil Present?	Yes		
Wetland Hydrology Present?	Yes		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	No	Sparse Veg. Concave Surface (B8)
No High Water Table (A2)	No Aquatic Fauna (B13)	No	Drainage Patterns (B10)
Yes Saturation (A3)	No Marl Deposits (B15) (LRR U)	No	Moss Trim Lines (B16)
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No	Dry-Season Water Table (C2)
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No	Crayfish Burrows (C8)
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No	Saturation on Aerial Imagery (C9)
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No	Geomorphic Position (D2)
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No	Shallow Aquitard (D3)
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>Yes</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	Yes	Depth (inches):	0-16	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-2	10YR 4/2	100					silt loam
2-16	10YR 5/2	90	10YR 5/6	10	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No Stratified Layers (A5)	Yes Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No	Red Parent Material (TF2)
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No	Other (Explain)
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>Yes</u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	3
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 41, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.417276°	Long: -91.113595°	Datum: NAD83
Soil Map Unit Name:	Deerford-Verdun complex		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	Yes
Hydric Soil Present?	Yes		
Wetland Hydrology Present?	Yes		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
No	Surface Water (A1)	No	Water Stained Leaves (B9)
No	High Water Table (A2)	No	Aquatic Fauna (B13)
No	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	No	Oxidized Root Channels (C3)
Yes	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
			No
			Surface Soil Cracked (B6)
			Sparingly Veg. Concave Surface (B8)
			Drainage Patterns (B10)
			Moss Trim Lines (B16)
			Dry-Season Water Table (C2)
			Crayfish Burrows (C8)
			Saturation on Aerial Imagery (C9)
			Geomorphic Position (D2)
			Shallow Aquitard (D3)
			FAC-Neutral Test (D5)
			Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>Yes</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-4	10YR 4/2	100					silt loam
4-16	10YR 5/2	90	10YR 5/6	10	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)
No	Stratified Layers (A5)	Yes	Depleted Matrix (F3)
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)
No	Stripped Matrix S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)
No	Dark Surface (S7) (LRR P, S, T, U)		
			1cm Muck (A9) (LRR O)
			2cm Muck (A10) (LRR S)
			Reduced Vertic (F18) (outside MLRA 150A,B)
			Piedmont Floodplain Soils (F19) (LRR P,S,T)
			Anomalous Bright Loamy Soils (F20) (MLRA 153B)
			Red Parent Material (TF2)
			Very Shallow Dark Surface (TF12)
			Other (Explain)

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>Yes</u>
Depth inches:	None	
Remarks:		

VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet:
<i>Triadica sebifera</i>		70	Yes	FAC	Number of Dominant Species That are OBL, FACW, or FAC (A): <u>9</u>
<i>Celtis laevigata</i>		10	No	FACW	
<i>Ulmus americana</i>		10	No	FAC	
					Total Number of Dominant Species Across All Strata <u>10</u>
					Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>90.00%</u>
<p><u>90</u> = Total Cover 50/20 Threshold 50% of Total Cover = 45 20% of Total Cover = 18</p>					Prevalence Index Worksheet: Total % Cover of: <u> </u> Multiply OBL x1= <u> </u> FACW x2= <u> </u> FAC x3= <u> </u> FACU x4= <u> </u> UPL x5= <u> </u> A Totals B <u> </u>
Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
<i>Celtis laevigata</i>		10	Yes	FACW	Rapid Test for Hydrophytic Veg: <u>No</u>
<i>Triadica sebifera</i>		10	Yes	FAC	Dominance Test > 50%: <u>Yes</u>
<i>Ligustrum japonicum</i>		5	Yes	FAC	Prevalence Index is ≤3.0: <u>N/A</u>
					Problematic Hydrophytic Veg: <u>No</u>
<p><u>25</u> = Total Cover 50/20 Threshold 50% of Total Cover = 12.5 20% of Total Cover = 5</p>					Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:
<i>Sabal minor</i>		40	Yes	FACW	
<i>Triadica sebifera</i>		15	Yes	FAC	
<i>Ulmus alata</i>		10	No	FACU	
<i>Sambucus nigra</i>		10	No	FACW	
<p><u>75</u> = Total Cover 50/20 Threshold 50% of Total Cover = 37.5 20% of Total Cover = 15</p>					
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present?
<i>Sambucus nigra</i>		10	Yes	FACW	<u>Yes</u>
<i>Triadica sebifera</i>		5	Yes	FAC	
<i>Ambrosia trifida</i>		5	Yes	FAC	
<p><u>20</u> = Total Cover 50/20 Threshold 50% of Total Cover = 10 20% of Total Cover = 4</p>					
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present?
<i>Lonicera japonica</i>		25	Yes	FACU	<u>Yes</u>
<i>Toxicodendron radicans</i>		5	No	FAC	
<p><u>30</u> = Total Cover 50/20 Threshold 50% of Total Cover = 15 20% of Total Cover = 6</p>					

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	4
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 93, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.419283°	Long: -91.118964°	Datum: NAD83
Soil Map Unit Name:	Calhoun silt loam	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	No
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland? No	
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
No Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	No FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:				
Surface Water Present?	None	Depth (inches):	N/A	Wetland Hydrology Present? <u> No </u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-2	10YR 4/2	100					silt loam
2-16	10YR 5/4	98	10YR 5/6	2	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No	No Polyvalue Below Surface (S8) (LRR S,T,U)	No
No Histic Epipedon (A2)	No	No Thin Dark Surface (S9) (LRR S,T,U)	No
No Black Histic (A3)	No	No Loamy Mucky Mineral (F1) (LRR O)	No
No Hydrogen Sulfide (A4)	No	No Loamy Gleyed Matrix (F2)	No
No Stratified Layers (A5)	No	No Depleted Matrix (F3)	No
No Organic Bodies (A6) (LRR P,T,U)	No	No Redox Dark Surface (F6)	No
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No	No Depleted Dark Surface (F7)	No
No Muck Presence (A8) (LRR U)	No	No Redox Depressions (F8)	No
No 1cm Muck (A9) (LRR P,T)	No	No Marl (F10) (LRR U)	No
No Depleted Below Dark Surface (A11)	No	No Depleted Ochric (F11) (MLRA 151)	No
No Thick Dark Surface (A12)	No	No Iron-Manganese Masses (F12) (LRR O,P,T)	No
No Coast Prairie Redox (A16) (MLRA 150A)	No	No Umbric Surface (F13) (LRR P, T, U)	No
No Sandy Mucky Mineral (S1) (LRR O,S)	No	No Delta Ochric (F17) (MLRA 151)	No
No Sandy Gleyed Matrix (S4)	No	No Reduced Vertic (F18) (MLRA 150A, 150B)	No
No Sandy Redox (S5)	No	No Piedmont Floodplain Soils (F19) (MLRA 149A)	No
No Stripped Matrix S6)	No	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	No
No Dark Surface (S7) (LRR P, S, T, U)	No		No

Restrictive Layer (if observed):		
Type:	None	Hydric Soil Present? <u> No </u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	5
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 93, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.421759°	Long: -91.130704°	Datum: NAD83
Soil Map Unit Name:	Urban Land	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	No	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	No		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	No	Sparingly Veg. Concave Surface (B8)
No High Water Table (A2)	No Aquatic Fauna (B13)	No	Drainage Patterns (B10)
No Saturation (A3)	No Marl Deposits (B15) (LRR U)	No	Moss Trim Lines (B16)
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No	Dry-Season Water Table (C2)
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No	Crayfish Burrows (C8)
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No	Saturation on Aerial Imagery (C9)
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No	Geomorphic Position (D2)
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No	Shallow Aquitard (D3)
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth	Matrix		Redox Features			Texture	
Inches	Color	%	Color	%	Type	Location	
0-12	10YR 5/3	100					silty clay

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No Stratified Layers (A5)	No Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No	Red Parent Material (TF2)
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No	Other (Explain)
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>No</u>
Depth inches:	None	

Remarks:

Soil sample only collected to 12 inches due to fill.

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	6
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 94, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.423780°	Long: -91.138361°	Datum: NAD83
Soil Map Unit Name:	Urban land	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	No
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland? No	
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
No Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	No FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:				
Surface Water Present?	None	Depth (inches):	N/A	Wetland Hydrology Present? <u> No </u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-16	10YR 5/3	90	10YR 5/6	10	C	M	silty clay

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No	No Polyvalue Below Surface (S8) (LRR S,T,U)	No
No Histic Epipedon (A2)	No	No Thin Dark Surface (S9) (LRR S,T,U)	No
No Black Histic (A3)	No	No Loamy Mucky Mineral (F1) (LRR O)	No
No Hydrogen Sulfide (A4)	No	No Loamy Gleyed Matrix (F2)	No
No Stratified Layers (A5)	No	No Depleted Matrix (F3)	No
No Organic Bodies (A6) (LRR P,T,U)	No	No Redox Dark Surface (F6)	No
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No	No Depleted Dark Surface (F7)	No
No Muck Presence (A8) (LRR U)	No	No Redox Depressions (F8)	No
No 1cm Muck (A9) (LRR P,T)	No	No Marl (F10) (LRR U)	No
No Depleted Below Dark Surface (A11)	No	No Depleted Ochric (F11) (MLRA 151)	No
No Thick Dark Surface (A12)	No	No Iron-Manganese Masses (F12) (LRR O,P,T)	No
No Coast Prairie Redox (A16) (MLRA 150A)	No	No Umbric Surface (F13) (LRR P, T, U)	No
No Sandy Mucky Mineral (S1) (LRR O,S)	No	No Delta Ochric (F17) (MLRA 151)	No
No Sandy Gleyed Matrix (S4)	No	No Reduced Vertic (F18) (MLRA 150A, 150B)	No
No Sandy Redox (S5)	No	No Piedmont Floodplain Soils (F19) (MLRA 149A)	No
No Stripped Matrix (S6)	No	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	No
No Dark Surface (S7) (LRR P, S, T, U)	No		No

Restrictive Layer (if observed):		
Type:	None	Hydric Soil Present? <u> No </u>
Depth inches:	None	

Remarks:
Soil sample mixed with fill.

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	7
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 94, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.423195°	Long: -91.145559°	Datum: NAD83
Soil Map Unit Name:	Udarents	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	No	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	No		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
No	Surface Water (A1)	No	Water Stained Leaves (B9)
No	High Water Table (A2)	No	Aquatic Fauna (B13)
No	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	No	Oxidized Root Channels (C3)
No	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
			Surface Soil Cracked (B6)
			Sparsely Veg. Concave Surface (B8)
			Drainage Patterns (B10)
			Moss Trim Lines (B16)
			Dry-Season Water Table (C2)
			Crayfish Burrows (C8)
			Saturation on Aerial Imagery (C9)
			Geomorphic Position (D2)
			Shallow Aquitard (D3)
			FAC-Neutral Test (D5)
			Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-2	10YR 4/2	100					silt loam
2-16	10YR 5/4	80	10YR 6/1	10	D	M	silt loam
			10YR 5/6	10	C	M	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
 Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)
No	Stratified Layers (A5)	No	Depleted Matrix (F3)
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)
No	Stripped Matrix S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)
No	Dark Surface (S7) (LRR P, S, T, U)		
			1cm Muck (A9) (LRR O)
			2cm Muck (A10) (LRR S)
			Reduced Vertic (F18) (outside MLRA 150A,B)
			Piedmont Floodplain Soils (F19) (LRR P,S,T)
			Anomalous Bright Loamy Soils (F20) (MLRA 153B)
			Red Parent Material (TF2)
			Very Shallow Dark Surface (TF12)
			Other (Explain)

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>No</u>
Depth inches:	None	

Remarks:

VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet:
None					Number of Dominant Species That are OBL, FACW, or FAC (A): <u>3</u>
					Total Number of Dominant Species Across All Strata <u>6</u>
					Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>50.00%</u>
<p style="text-align: center;">_____ 0 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0</p>					Prevalence Index Worksheet: Total % Cover of: _____ <u>Multiply</u> OBL x1= _____ FACW x2= _____ FAC x3= _____ FACU x4= _____ UPL x5= _____ A Totals B _____
Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
<i>Broussonetia papyrifera</i>		70	Yes	FACU	
<i>Celtis laevigata</i>		15	No	FACW	
<p style="text-align: center;">_____ 85 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 42.5 20% of Total Cover = 17</p>					Prevalence Index (B/A)= _____ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: _____ <u>No</u> Dominance Test > 50%: _____ <u>No</u> Prevalence Index is ≤3.0: _____ <u>N/A</u> Problematic Hydrophytic Veg: _____ <u>No</u>
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
None					
<p style="text-align: center;">_____ 0 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0</p>					Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:
<i>Phyla nodiflora</i>		30	Yes	FAC	
<i>Broussonetia papyrifera</i>		20	Yes	FACU	
<p style="text-align: center;">_____ 50 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 25 20% of Total Cover = 10</p>					
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
<i>Smilax rotundiflora</i>		10	Yes	FAC	
<i>Lonicera japonica</i>		5	Yes	FACU	
<i>Ampelopsis arborea</i>		5	Yes	FAC	
<p style="text-align: center;">_____ 20 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 10 20% of Total Cover = 4</p>					Hydrophytic Vegetation Present? <p style="text-align: center;">_____ <u>No</u> _____</p>

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	8
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 94, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.42451°	Long: -91.152441°	Datum: NAD83
Soil Map Unit Name:	Oprairie silt	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	No	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	Yes		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
No	Surface Water (A1)	No	Water Stained Leaves (B9)
No	High Water Table (A2)	No	Aquatic Fauna (B13)
No	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	No	Oxidized Root Channels (C3)
No	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
		No	Surface Soil Cracked (B6)
		No	Sparsely Veg. Concave Surface (B8)
		No	Drainage Patterns (B10)
		No	Moss Trim Lines (B16)
		No	Dry-Season Water Table (C2)
		No	Crayfish Burrows (C8)
		No	Saturation on Aerial Imagery (C9)
		No	Geomorphic Position (D2)
		No	Shallow Aquitard (D3)
		No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-2	10YR 4/2	100					silt loam
2-16	10YR 6/2	80	10YR 5/6	20	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:				Indicators for Problematic Soils:			
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)	No	2cm Muck (A10) (LRR S)
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)	No	Reduced Vertic (F18) (outside MLRA 150A,B)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)	No	Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)	No	Redox Dark Surface (F6)	No	Red Parent Material (TF2)
No	Stratified Layers (A5)	Yes	Depleted Matrix (F3)	No	Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)	No	Redox Depressions (F8)	No	Other (Explain)
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)	No	Marl (F10) (LRR U)		
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)	No	Depleted Ochric (F11) (MLRA 151)		
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)	No	Iron-Manganese Masses (F12) (LRR O,P,T)		
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)	No	Umbric Surface (F13) (LRR P, T, U)		
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)	No	Delta Ochric (F17) (MLRA 151)		
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)	No	Reduced Vertic (F18) (MLRA 150A, 150B)		
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)		
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)				
No	Stripped Matrix (S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)				
No	Dark Surface (S7) (LRR P, S, T, U)						

Restrictive Layer (if observed):				Hydric Soil Present?
Type:	None			<u>Yes</u>
Depth inches:	None			

Remarks:				
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WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	9
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 94, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.424597°	Long: -91.153190°	Datum: NAD83
Soil Map Unit Name:	Oprairie silt	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	No
Wetland Hydrology Present?	Yes
Is the Sampled Area within a Wetland?	
No	
Remarks:	

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
Yes Surface Water (A1)	No Water Stained Leaves (B9)	No	Sparingly Veg. Concave Surface (B8)
No High Water Table (A2)	No Aquatic Fauna (B13)	No	Drainage Patterns (B10)
No Saturation (A3)	No Marl Deposits (B15) (LRR U)	No	Moss Trim Lines (B16)
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No	Dry-Season Water Table (C2)
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No	Crayfish Burrows (C8)
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No	Saturation on Aerial Imagery (C9)
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No	Geomorphic Position (D2)
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No	Shallow Aquitard (D3)
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?	
Surface Water Present?	Yes	Depth (inches):	2	<u>Yes</u>	
Water table Present?	None	Depth (inches):	N/A		
Saturation Present?	None	Depth (inches):	N/A		
Remarks:					

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-2	10YR 3/1	100					silt loam
2-8	10YR 4/3	100					silt loam
8-16	10YR 7/3	60	10YR 5/6	40	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:				Indicators for Problematic Soils:			
No Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)	No	2cm Muck (A10) (LRR S)	No
No Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)	No	Reduced Vertic (F18) (outside MLRA 150A,B)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)	No
No Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)	No	Red Parent Material (TF2)	No
No Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)	No	Very Shallow Dark Surface (TF12)	No	Other (Explain)	No
No Stratified Layers (A5)	No	Depleted Matrix (F3)	No				
No Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)	No				
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)	No				
No Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)	No				
No 1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)	No				
No Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)	No				
No Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)	No				
No Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)	No				
No Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)	No				
No Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)	No				
No Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)	No				
No Stripped Matrix (S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	No				
No Dark Surface (S7) (LRR P, S, T, U)	No		No				

Restrictive Layer (if observed):		Hydric Soil Present?	
Type:	None	<u>No</u>	
Depth inches:	None		

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	10
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 69, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.424892°	Long: -91.160397°	Datum: NAD83
Soil Map Unit Name:	Udarents	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	No
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland? No	
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
No Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	No FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:				
Surface Water Present?	None	Depth (inches):	N/A	Wetland Hydrology Present? <u> No </u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-16	10YR 5/3	80	10YR 5/6	20	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No	No Polyvalue Below Surface (S8) (LRR S,T,U)	No
No Histic Epipedon (A2)	No	No Thin Dark Surface (S9) (LRR S,T,U)	No
No Black Histic (A3)	No	No Loamy Mucky Mineral (F1) (LRR O)	No
No Hydrogen Sulfide (A4)	No	No Loamy Gleyed Matrix (F2)	No
No Stratified Layers (A5)	No	No Depleted Matrix (F3)	No
No Organic Bodies (A6) (LRR P,T,U)	No	No Redox Dark Surface (F6)	No
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No	No Depleted Dark Surface (F7)	No
No Muck Presence (A8) (LRR U)	No	No Redox Depressions (F8)	No
No 1cm Muck (A9) (LRR P,T)	No	No Marl (F10) (LRR U)	No
No Depleted Below Dark Surface (A11)	No	No Depleted Ochric (F11) (MLRA 151)	No
No Thick Dark Surface (A12)	No	No Iron-Manganese Masses (F12) (LRR O,P,T)	No
No Coast Prairie Redox (A16) (MLRA 150A)	No	No Umbric Surface (F13) (LRR P, T, U)	No
No Sandy Mucky Mineral (S1) (LRR O,S)	No	No Delta Ochric (F17) (MLRA 151)	No
No Sandy Gleyed Matrix (S4)	No	No Reduced Vertic (F18) (MLRA 150A, 150B)	No
No Sandy Redox (S5)	No	No Piedmont Floodplain Soils (F19) (MLRA 149A)	No
No Stripped Matrix S6)	No	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	No
No Dark Surface (S7) (LRR P, S, T, U)	No		No

Restrictive Layer (if observed):		
Type:	None	Hydric Soil Present? <u> No </u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	11
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 53, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 8-30%
Subregion (LRR or MLRA):	LRR P	Lat: 30.427980°	Long: -91.169003°	Datum: NAD83
Soil Map Unit Name:	Feliciana silt loam	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	No	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	No		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	No Sparsely Veg. Concave Surface (B8)	
No High Water Table (A2)	No Aquatic Fauna (B13)	No Drainage Patterns (B10)	
No Saturation (A3)	No Marl Deposits (B15) (LRR U)	No Moss Trim Lines (B16)	
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No Dry-Season Water Table (C2)	
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No Crayfish Burrows (C8)	
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No Saturation on Aerial Imagery (C9)	
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No Geomorphic Position (D2)	
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No Shallow Aquitard (D3)	
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No FAC-Neutral Test (D5)	
		No Sphagnum Moss (D8) (LRR T, U)	

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-16	10YR 5/4	95	10YR 5/6	5	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	No Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>No</u>
Depth inches:	None	
Remarks:		

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	12
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 53, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.429702°	Long: -91.173623°	Datum: NAD83
Soil Map Unit Name:	Oprairie silt	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	No
Wetland Hydrology Present?	No
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1): No Surface Water (A1) No Water Stained Leaves (B9) No High Water Table (A2) No Aquatic Fauna (B13) No Saturation (A3) No Marl Deposits (B15) (LRR U) No Water Marks (B1) No Hydrogen Sulfide Odor (C1) No Sediment Deposits (B2) No Oxidized Root Channels (C3) No Drift Deposits (B3) No Presence of Reduced Iron (C4) No Algal Mat or Crust (B4) No Recent Reduct. in Tilled Soils (C6) No Iron Deposits (B5) No Thin Muck Surface (C7) No Inundation on Aerial Imagery (B7) No Other (Explain in Remarks)	Secondary Indicators (Need 2): No Surface Soil Cracked (B6) No Sparsely Veg. Concave Surface (B8) No Drainage Patterns (B10) No Moss Trim Lines (B16) No Dry-Season Water Table (C2) No Crayfish Burrows (C8) No Saturation on Aerial Imagery (C9) No Geomorphic Position (D2) No Shallow Aquitard (D3) No FAC-Neutral Test (D5) No Sphagnum Moss (D8) (LRR T, U)

Field Observations:				
Surface Water Present?	None	Depth (inches):	N/A	Wetland Hydrology Present? <u> No </u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth	Matrix		Redox Features			Texture	
Inches	Color	%	Color	%	Type	Location	
0-4	10YR 4/2	100					silt loam
4-16	10YR 5/4	100					silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1) No Polyvalue Below Surface (S8) (LRR S,T,U) No Histic Epipedon (A2) No Thin Dark Surface (S9) (LRR S,T,U) No Black Histic (A3) No Loamy Mucky Mineral (F1) (LRR O) No Hydrogen Sulfide (A4) No Loamy Gleyed Matrix (F2) No Stratified Layers (A5) No Depleted Matrix (F3) No Organic Bodies (A6) (LRR P,T,U) No Redox Dark Surface (F6) No 5cm Mucky Mineral (A7) (LRR P,T,U) No Depleted Dark Surface (F7) No Muck Presence (A8) (LRR U) No Redox Depressions (F8) No 1cm Muck (A9) (LRR P,T) No Marl (F10) (LRR U) No Depleted Below Dark Surface (A11) No Depleted Ochric (F11) (MLRA 151) No Thick Dark Surface (A12) No Iron-Manganese Masses (F12) (LRR O,P,T) No Coast Prairie Redox (A16) (MLRA 150A) No Umbric Surface (F13) (LRR P, T, U) No Sandy Mucky Mineral (S1) (LRR O,S) No Delta Ochric (F17) (MLRA 151) No Sandy Gleyed Matrix (S4) No Reduced Vertic (F18) (MLRA 150A, 150B) No Sandy Redox (S5) No Piedmont Floodplain Soils (F19) (MLRA 149A) No Stripped Matrix S6 No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No Dark Surface (S7) (LRR P, S, T, U)	No 1cm Muck (A9) (LRR O) No 2cm Muck (A10) (LRR S) No Reduced Vertic (F18) (outside MLRA 150A,B) No Piedmont Floodplain Soils (F19) (LRR P,S,T) No Anomalous Bright Loamy Soils (F20) (MLRA 153B) No Red Parent Material (TF2) No Very Shallow Dark Surface (TF12) No Other (Explain)		

Restrictive Layer (if observed):		
Type:	None	Hydric Soil Present? <u> No </u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	13
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 51, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 1-3%
Subregion (LRR or MLRA):	LRR P	Lat: 30.438739°	Long: -91.179111°	Datum: NAD83
Soil Map Unit Name:	Scotlandville silt	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	No
Wetland Hydrology Present?	No
Remarks:	
Is the Sampled Area within a Wetland? No	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
No Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	No FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:		Wetland Hydrology Present?	
Surface Water Present?	None	Depth (inches):	N/A
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A
Remarks:		No	

SOIL							
Depth Inches	Matrix		Redox Features			Texture	
	Color	%	Color	%	Type	Location	
N/A							

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	No Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?	
Type:	None	No	
Depth inches:	None		

Remarks:

No soil sample collected due to fill in the soil profile.

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	14
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 51, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.438962°	Long: -91.191609°	Datum: NAD83
Soil Map Unit Name:	Carville and Canicienne soils, gently undulating, frequently flooded		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed?		No		Are "Normal Circumstances" present? Yes
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic?		No		(If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	No	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	No		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
No	Surface Water (A1)	No	Water Stained Leaves (B9)
No	High Water Table (A2)	No	Aquatic Fauna (B13)
No	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	No	Oxidized Root Channels (C3)
No	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
		No Surface Soil Cracked (B6) No Sparsely Veg. Concave Surface (B8) No Drainage Patterns (B10) No Moss Trim Lines (B16) No Dry-Season Water Table (C2) No Crayfish Burrows (C8) No Saturation on Aerial Imagery (C9) No Geomorphic Position (D2) No Shallow Aquitard (D3) No FAC-Neutral Test (D5) No Sphagnum Moss (D8) (LRR T, U)	

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Texture	
	Color	%	Color	%	Type	Location	
N/A							

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
 Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:				Indicators for Problematic Soils:			
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)		
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)		
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)		
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)		
No	Stratified Layers (A5)	No	Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)		
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)	No	Red Parent Material (TF2)		
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)		
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)	No	Other (Explain)		
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)				
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)				
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)				
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)				
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)				
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)				
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)				
No	Stripped Matrix (S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)				
No	Dark Surface (S7) (LRR P, S, T, U)						

Restrictive Layer (if observed):				Hydric Soil Present?
Type:	None			<u>No</u>
Depth inches:	None			

Remarks:

No soil sample collected due to fill underneath the vegetation. Chunks of concrete and various metals mixed in.

VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
None					Dominance Test Worksheet: Number of Dominant Species That are OBL, FACW, or FAC (A): <u>1</u> <hr/> Total Number of Dominant Species Across All Strata <u>2</u> <hr/> Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>50.00%</u>
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					Prevalence Index Worksheet: Total % Cover of: <u> </u> <u>Multiply</u> <hr/> OBL x1= <u> </u> FACW x2= <u> </u> FAC x3= <u> </u> FACU x4= <u> </u> UPL x5= <u> </u> <hr/> A Totals B <u> </u> <hr/> Prevalence Index (B/A)= <u> </u> Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: <u> </u> No Dominance Test > 50%: <u> </u> No Prevalence Index is ≤3.0: <u> </u> N/A Problematic Hydrophytic Veg: <u> </u> No
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
None					Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:
<i>Verbena bonariensis</i>		40	Yes	FAC	
<i>Rubus trivialis</i>		40	Yes	FACU	
<i>Solidago altissima</i>		15	No	FACU	
<u>95</u> = Total Cover 50/20 Threshold 50% of Total Cover = 47.5 20% of Total Cover = 19					
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
None					Hydrophytic Vegetation Present? <u> </u> No
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: West Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	15
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 93, Township 7 South, Range 12 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.443915°	Long: -91.225480°	Datum: NAD83
Soil Map Unit Name:	Sharkey clay		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	Yes
Hydric Soil Present?	Yes
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland? No	
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
No Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	Yes FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:		Wetland Hydrology Present?
Surface Water Present?	None	<u> No </u>
Water table Present?	None	
Saturation Present?	None	
Depth (inches): N/A		
Depth (inches): N/A		
Depth (inches): N/A		
Remarks:		

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-16	10YR 4/2	80	10YR 4/6	10	C	M	silty clay
			7.5YR 4/6	10	C	M	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	Yes Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u> Yes </u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: West Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	16
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 93, Township 7 South, Range 12 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.448275°	Long: -91.246956°	Datum: NAD83
Soil Map Unit Name:	Commerce silty clay loam	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	Yes
Wetland Hydrology Present?	Yes
Is the Sampled Area within a Wetland?	
No	
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
Yes Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	No FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:		Wetland Hydrology Present?	
Surface Water Present?	None	Depth (inches):	N/A
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	Yes	Depth (inches):	0-8
Remarks:		Yes	

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-16	10YR 4/2	70	10YR 5/2	10	D	M	silty clay
			10YR 5/6	20	C	M	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	Yes Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?	
Type:	None	Yes	
Depth inches:	None		

Remarks:

VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status		
None					Dominance Test Worksheet: Number of Dominant Species That are OBL, FACW, or FAC (A): <u>0</u>	
					Total Number of Dominant Species Across All Strata <u>1</u>	
					Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>0.00%</u>	
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					Prevalence Index Worksheet: Total % Cover of: <u>Multiply</u> 0 OBL x1= <u>0</u> 0 FACW x2= <u>0</u> 0 FAC x3= <u>0</u> 95 FACU x4= <u>380</u> 0 UPL x5= <u>0</u> 95 A Totals B <u>380</u>	
Prevalence Index (B/A)= <u>4.00</u>					Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: <u>No</u> Dominance Test > 50%: <u>No</u> Prevalence Index is ≤3.0: <u>No</u> Problematic Hydrophytic Veg: <u>No</u>	
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.	
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status		
None						
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0						
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:	
<i>Paspalum notatum</i>		95	Yes	FACU		
<u>95</u> = Total Cover 50/20 Threshold 50% of Total Cover = 47.5 20% of Total Cover = 19						
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status		
None						
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					Hydrophytic Vegetation Present? <u>No</u>	

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: West Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	17
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 93, Township 7 South, Range 12 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.447729°	Long: -91.244694°	Datum: NAD83
Soil Map Unit Name:	Sharkey clay	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	Yes
Hydric Soil Present?	Yes		
Wetland Hydrology Present?	Yes		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
Yes	Surface Water (A1)	No	Water Stained Leaves (B9)
No	High Water Table (A2)	No	Aquatic Fauna (B13)
No	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	No	Oxidized Root Channels (C3)
No	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
			Secondary Indicators (Need 2):
			No Surface Soil Cracked (B6)
			No Sparsely Veg. Concave Surface (B8)
			No Drainage Patterns (B10)
			No Moss Trim Lines (B16)
			No Dry-Season Water Table (C2)
			No Crayfish Burrows (C8)
			No Saturation on Aerial Imagery (C9)
			No Geomorphic Position (D2)
			No Shallow Aquitard (D3)
			Yes FAC-Neutral Test (D5)
			No Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	Yes	Depth (inches):	4	<u>Yes</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL						
Depth	Matrix		Redox Features			Texture
Inches	Color	%	Color	%	Type	Location
N/A						

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:				Indicators for Problematic Soils:			
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)		
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)		
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)		
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)		
No	Stratified Layers (A5)	No	Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)		
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)	No	Red Parent Material (TF2)		
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)		
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)	No	Other (Explain)		
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)				
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)				
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)				
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)				
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)				
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)				
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)				
No	Stripped Matrix (S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)				
No	Dark Surface (S7) (LRR P, S, T, U)						

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>Yes</u>
Depth inches:	None	

Remarks:

No soil sample collected. Soils assumed hydric due to extent/duration of inundation.

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: West Baton Rouge	Sampling Date:	6/26/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	18
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 69, Township 7S, R12E	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.441153°	Long: -91.220109°	Datum: NAD83
Soil Map Unit Name:	Tunica clay	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	No
Hydric Soil Present?	Yes
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland?	
No	
Remarks:	

HYDROLOGY	
Wetland Hydrology Indicators	
Primary Indicators (Need 1):	Secondary Indicators (Need 2):
No Surface Water (A1)	No Surface Soil Cracked (B6)
No High Water Table (A2)	No Sparsely Veg. Concave Surface (B8)
No Saturation (A3)	No Drainage Patterns (B10)
No Water Marks (B1)	No Moss Trim Lines (B16)
No Sediment Deposits (B2)	No Dry-Season Water Table (C2)
No Drift Deposits (B3)	No Crayfish Burrows (C8)
No Algal Mat or Crust (B4)	No Saturation on Aerial Imagery (C9)
No Iron Deposits (B5)	No Geomorphic Position (D2)
No Inundation on Aerial Imagery (B7)	No Shallow Aquitard (D3)
	No FAC-Neutral Test (D5)
	No Sphagnum Moss (D8) (LRR T, U)

Field Observations:		
Surface Water Present?	None	Depth (inches): N/A
Water table Present?	None	Depth (inches): N/A
Saturation Present?	None	Depth (inches): N/A
Remarks:		Wetland Hydrology Present?
		No

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-16	10YR 4/2	70	10YR 5/1	10	D	M	silty clay
			10YR 4/6	20	C	M	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	Yes Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		
Type:	None	Hydric Soil Present?
Depth inches:	None	
		Yes

Remarks:

VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
<i>Melia azedarach</i>		20	Yes	UPL	Dominance Test Worksheet: Number of Dominant Species That are OBL, FACW, or FAC (A): <u>3</u>
<i>Broussonetia papyrifera</i>		5	Yes	FACU	
					Total Number of Dominant Species Across All Strata <u>8</u>
					Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>37.50%</u>
_____ 25 _____ = Total Cover					Prevalence Index Worksheet: Total % Cover of: <u> </u> Multiply OBL x1= _____ FACW x2= _____ FAC x3= _____ FACU x4= _____ UPL x5= _____ A Totals B _____
50/20 Threshold 50% of Total Cover = 12.5 20% of Total Cover = 5					
Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
None					Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: <u>No</u> Dominance Test > 50%: <u>No</u> Prevalence Index is ≤3.0: <u>N/A</u> Problematic Hydrophytic Veg: <u>No</u>
					Prevalence Index (B/A)= _____
_____ 0 _____ = Total Cover					Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.
50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
<i>Broussonetia papyrifera</i>		20	Yes	FACU	Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
<i>Ligustrum japonicum</i>		10	Yes	FAC	
<i>Quercus nigra</i>		5	No	FAC	Shrub - Woody plants, excluding woody vines, approximately 3-20' in height.
					Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
_____ 35 _____ = Total Cover					Woody vine - All woody vines, regardless of height.
50/20 Threshold 50% of Total Cover = 17.5 20% of Total Cover = 7					
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
<i>Trifolium incarnatum</i>		30	Yes	NL (UPL)	Remarks:
<i>Paspalum notatum</i>		30	Yes	FACU	
<i>Sorghum halepense</i>		10	No	FACU	
_____ 70 _____ = Total Cover					
50/20 Threshold 50% of Total Cover = 35 20% of Total Cover = 14					
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	
<i>Brunnichia ovata</i>		15	Yes	FACW	Hydrophytic Vegetation Present? <u>No</u>
<i>Vitis rotundifolia</i>		40	Yes	FAC	
_____ 55 _____ = Total Cover					
50/20 Threshold 50% of Total Cover = 27.5 20% of Total Cover = 11					

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/27/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	19
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 51, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.444268°	Long: -91.178415°	Datum: NAD83
Soil Map Unit Name:	Udarents	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	Yes
Hydric Soil Present?	No
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland?	
No	
Remarks:	

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
No	Surface Water (A1)	No	Water Stained Leaves (B9)
No	High Water Table (A2)	No	Aquatic Fauna (B13)
No	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	No	Oxidized Root Channels (C3)
No	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
		No	Surface Soil Cracked (B6)
		No	Sparsely Veg. Concave Surface (B8)
		No	Drainage Patterns (B10)
		No	Moss Trim Lines (B16)
		No	Dry-Season Water Table (C2)
		No	Crayfish Burrows (C8)
		No	Saturation on Aerial Imagery (C9)
		No	Geomorphic Position (D2)
		No	Shallow Aquitard (D3)
		No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				
Surface Water Present?	None	Depth (inches):	N/A	Wetland Hydrology Present? <u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-3	10YR 5/3	100					silt loam
2-16	10YR 5/4	90	10YR 5/6	10	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:				Indicators for Problematic Soils:			
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)		
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)		
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)		
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)		
No	Stratified Layers (A5)	No	Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)		
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)	No	Red Parent Material (TF2)		
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)		
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)	No	Other (Explain)		
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)				
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)				
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)				
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)				
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)				
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)				
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)				
No	Stripped Matrix (S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)				
No	Dark Surface (S7) (LRR P, S, T, U)						

Restrictive Layer (if observed):				
Type:	None			Hydric Soil Present? <u>No</u>
Depth inches:	None			

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/27/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	20
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 51, Township 7 South, Range 1 West	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0
Subregion (LRR or MLRA):	LRR P	Lat: 30.440223°	Long: -91.179253°	Datum: NAD83
Soil Map Unit Name:	Udarents	NWI Classification: None		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation, Soil, or Hydrology significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation, Soil, or Hydrology naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS	
Hydrophytic Vegetation Present?	Yes
Hydric Soil Present?	Yes
Wetland Hydrology Present?	No
Is the Sampled Area within a Wetland? No	
Remarks:	

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	No	Sparse Veg. Concave Surface (B8)
No High Water Table (A2)	No Aquatic Fauna (B13)	No	Drainage Patterns (B10)
No Saturation (A3)	No Marl Deposits (B15) (LRR U)	No	Moss Trim Lines (B16)
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No	Dry-Season Water Table (C2)
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No	Crayfish Burrows (C8)
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No	Saturation on Aerial Imagery (C9)
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No	Geomorphic Position (D2)
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No	Shallow Aquitard (D3)
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No	FAC-Neutral Test (D5)
		No	Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-2	10YR 3/1	100					silt loam
2-16	10YR 4/1	85	10YR 5/6	15	C	M	silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No Stratified Layers (A5)	Yes Depleted Matrix (F3)	No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No	Red Parent Material (TF2)
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No	Very Shallow Dark Surface (TF12)
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No	Other (Explain)
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>Yes</u>
Depth inches:	None	

Remarks:

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/27/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	21
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 40, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.416589°	Long: -91.098377°	Datum: NAD83
Soil Map Unit Name:	Oprairie silt, 0 to 1 percent slopes		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	No
Hydric Soil Present?	No		
Wetland Hydrology Present?	No		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	No Sparsely Veg. Concave Surface (B8)	
No High Water Table (A2)	No Aquatic Fauna (B13)	No Drainage Patterns (B10)	
No Saturation (A3)	No Marl Deposits (B15) (LRR U)	No Moss Trim Lines (B16)	
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No Dry-Season Water Table (C2)	
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No Crayfish Burrows (C8)	
No Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No Saturation on Aerial Imagery (C9)	
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No Geomorphic Position (D2)	
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No Shallow Aquitard (D3)	
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	No FAC-Neutral Test (D5)	
		No Sphagnum Moss (D8) (LRR T, U)	

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>No</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	None	Depth (inches):	N/A	
Remarks:				

SOIL						
Depth	Matrix		Redox Features			Texture
Inches	Color	%	Color	%	Type	Location
0-16	10YR 4/3	100				

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	No Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>No</u>
Depth inches:	None	

Remarks:	
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VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet:
<i>Ulmus americana</i>		20	Yes	FAC	Number of Dominant Species That are OBL, FACW, or FAC (A): <u>4</u>
<i>Celtis laevigata</i>		20	Yes	FACW	
<i>Quercus nigra</i>		10	No	FAC	Total Number of Dominant Species Across All Strata <u>5</u>
<i>Triadica sebifera</i>		10	No	FAC	
<i>Liriodendron tulipifera</i>		10	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>80.00%</u>
<p style="text-align: center;">_____ 70 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 35 20% of Total Cover = 14</p>					Prevalence Index Worksheet: Total % Cover of: _____ <u>Multiply</u> OBL x1= _____ FACW x2= _____ FAC x3= _____ FACU x4= _____ UPL x5= _____ A Totals B _____
Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
None					Rapid Test for Hydrophytic Veg: <u>No</u>
					Dominance Test > 50%: <u>Yes</u>
					Prevalence Index is ≤3.0: <u>N/A</u>
					Problematic Hydrophytic Veg: <u>No</u>
<p style="text-align: center;">_____ 0 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0</p>					Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:
<i>Ligustrum sinense</i>		30	Yes	FAC	
<p style="text-align: center;">_____ 30 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 15 20% of Total Cover = 6</p>					
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present?
<i>Cynodon dactylon</i>		70	Yes	FACU	<u>Yes</u>
<i>Paspalum notatum</i>		10	No	FACU	
<p style="text-align: center;">_____ 80 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 40 20% of Total Cover = 16</p>					
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present?
<i>Toxicodendron radicans</i>		10	Yes	FAC	<u>Yes</u>
<p style="text-align: center;">_____ 10 _____ = Total Cover 50/20 Threshold 50% of Total Cover = 5 20% of Total Cover = 2</p>					

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/27/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	22
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 41, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.417833°	Long: -91.112486°	Datum: NAD83
Soil Map Unit Name:	Deerford-Verdun complex, 0 to 2 percent slopes		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	Yes
Hydric Soil Present?	Yes		
Wetland Hydrology Present?	Yes		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):		No Surface Soil Cracked (B6)	
No Surface Water (A1)	No Water Stained Leaves (B9)	Yes Sparsely Veg. Concave Surface (B8)	
No High Water Table (A2)	No Aquatic Fauna (B13)	No Drainage Patterns (B10)	
Yes Saturation (A3)	No Marl Deposits (B15) (LRR U)	No Moss Trim Lines (B16)	
No Water Marks (B1)	No Hydrogen Sulfide Odor (C1)	No Dry-Season Water Table (C2)	
No Sediment Deposits (B2)	No Oxidized Root Channels (C3)	No Crayfish Burrows (C8)	
Yes Drift Deposits (B3)	No Presence of Reduced Iron (C4)	No Saturation on Aerial Imagery (C9)	
No Algal Mat or Crust (B4)	No Recent Reduct. in Tilled Soils (C6)	No Geomorphic Position (D2)	
No Iron Deposits (B5)	No Thin Muck Surface (C7)	No Shallow Aquitard (D3)	
No Inundation on Aerial Imagery (B7)	No Other (Explain in Remarks)	Yes FAC-Neutral Test (D5)	
		No Sphagnum Moss (D8) (LRR T, U)	

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	None	Depth (inches):	N/A	<u>Yes</u>
Water table Present?	None	Depth (inches):	N/A	
Saturation Present?	Yes	Depth (inches):	8-16	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features			Location	Texture
	Color	%	Color	%	Type		
0-12	10YR 4/2	85	10YR 5/6	15	C	M	silt loam
12-16	10YR 3/2	100					silt loam

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No Histol (A1)	No Polyvalue Below Surface (S8) (LRR S,T,U)	No 1cm Muck (A9) (LRR O)	
No Histic Epipedon (A2)	No Thin Dark Surface (S9) (LRR S,T,U)	No 2cm Muck (A10) (LRR S)	
No Black Histic (A3)	No Loamy Mucky Mineral (F1) (LRR O)	No Reduced Vertic (F18) (outside MLRA 150A,B)	
No Hydrogen Sulfide (A4)	No Loamy Gleyed Matrix (F2)	No Piedmont Floodplain Soils (F19) (LRR P,S,T)	
No Stratified Layers (A5)	Yes Depleted Matrix (F3)	No Anomalous Bright Loamy Soils (F20) (MLRA 153B)	
No Organic Bodies (A6) (LRR P,T,U)	No Redox Dark Surface (F6)	No Red Parent Material (TF2)	
No 5cm Mucky Mineral (A7) (LRR P,T,U)	No Depleted Dark Surface (F7)	No Very Shallow Dark Surface (TF12)	
No Muck Presence (A8) (LRR U)	No Redox Depressions (F8)	No Other (Explain)	
No 1cm Muck (A9) (LRR P,T)	No Marl (F10) (LRR U)		
No Depleted Below Dark Surface (A11)	No Depleted Ochric (F11) (MLRA 151)		
No Thick Dark Surface (A12)	No Iron-Manganese Masses (F12) (LRR O,P,T)		
No Coast Prairie Redox (A16) (MLRA 150A)	No Umbric Surface (F13) (LRR P, T, U)		
No Sandy Mucky Mineral (S1) (LRR O,S)	No Delta Ochric (F17) (MLRA 151)		
No Sandy Gleyed Matrix (S4)	No Reduced Vertic (F18) (MLRA 150A, 150B)		
No Sandy Redox (S5)	No Piedmont Floodplain Soils (F19) (MLRA 149A)		
No Stripped Matrix (S6)	No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
No Dark Surface (S7) (LRR P, S, T, U)			

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>Yes</u>
Depth inches:	None	

Remarks:

VEGETATION

SAMPLING POINT

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet:
<i>Ulmus americana</i>		20	Yes	FAC	Number of Dominant Species That are OBL, FACW, or FAC (A): <u>5</u> Total Number of Dominant Species Across All Strata <u>5</u> Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): <u>100.00%</u>
<i>Celtis laevigata</i>		20	Yes	FACW	
<i>Quercus nigra</i>		10	No	FAC	
<i>Triadica sebifera</i>		10	No	FAC	
<i>Liriodendron tulipifera</i>		10	No	FACU	
<u>70</u> = Total Cover 50/20 Threshold 50% of Total Cover = 35 20% of Total Cover = 14					Prevalence Index Worksheet: Total % Cover of: <u> </u> <u>Multiply</u> OBL x1= <u> </u> FACW x2= <u> </u> FAC x3= <u> </u> FACU x4= <u> </u> UPL x5= <u> </u> A Totals B <u> </u>
Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
None					Rapid Test for Hydrophytic Veg: <u>No</u> Dominance Test > 50%: <u>Yes</u> Prevalence Index is ≤3.0: <u>N/A</u> Problematic Hydrophytic Veg: <u>No</u>
<u>0</u> = Total Cover 50/20 Threshold 50% of Total Cover = 0 20% of Total Cover = 0					Prevalence Index (B/A)= <u> </u> Definitions of Vegetation Strata: Tree - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH. Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. Woody vine - All woody vines, regardless of height.
Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:
<i>Ligustrum sinense</i>		30	Yes	FAC	
<u>30</u> = Total Cover 50/20 Threshold 50% of Total Cover = 15 20% of Total Cover = 6					
Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present?
<i>Sabal minor</i>		60	Yes	FACW	<u>Yes</u>
<i>Rubus trivialis</i>		10	No	FACU	
<u>70</u> = Total Cover 50/20 Threshold 50% of Total Cover = 35 20% of Total Cover = 14					
Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status	Remarks:
<i>Toxicodendron radicans</i>		10	Yes	FAC	
<u>10</u> = Total Cover 50/20 Threshold 50% of Total Cover = 5 20% of Total Cover = 2					

WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	I-10: LA 415 to Essen Lane on I-10 and I-12	Parish: East Baton Rouge	Sampling Date:	6/27/2017
Applicant/Owner:	Louisiana Department of Transportation and Development	State: Louisiana	Sampling Point:	23
Investigator(s):	Taylor Simoneaux, Tim Kimmel	Section, Township, Range:	Section 41, Township 7 South, Range 1 East	
Landform (hillslope, terrace, etc.):	Flat	Local Relief (concave, convex, none):	None	Slope: 0-1%
Subregion (LRR or MLRA):	LRR P	Lat: 30.417523°	Long: -91.111496°	Datum: NAD83
Soil Map Unit Name:	Jeanerette silt loam, 0 to 1 percent slopes		NWI Classification: None	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no explain in Remarks)				
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? No Are "Normal Circumstances" present? Yes				
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? No (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS			
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area within a Wetland?	Yes
Hydric Soil Present?	Yes		
Wetland Hydrology Present?	Yes		
Remarks:			

HYDROLOGY			
Wetland Hydrology Indicators		Secondary Indicators (Need 2):	
Primary Indicators (Need 1):			
Yes	Surface Water (A1)	No	Water Stained Leaves (B9)
Yes	High Water Table (A2)	No	Aquatic Fauna (B13)
Yes	Saturation (A3)	No	Marl Deposits (B15) (LRR U)
No	Water Marks (B1)	No	Hydrogen Sulfide Odor (C1)
No	Sediment Deposits (B2)	Yes	Oxidized Root Channels (C3)
No	Drift Deposits (B3)	No	Presence of Reduced Iron (C4)
No	Algal Mat or Crust (B4)	No	Recent Reduct. in Tilled Soils (C6)
No	Iron Deposits (B5)	No	Thin Muck Surface (C7)
No	Inundation on Aerial Imagery (B7)	No	Other (Explain in Remarks)
			No
			Surface Soil Cracked (B6)
			Sparsely Veg. Concave Surface (B8)
			Drainage Patterns (B10)
			Moss Trim Lines (B16)
			Dry-Season Water Table (C2)
			Crayfish Burrows (C8)
			Saturation on Aerial Imagery (C9)
			Geomorphic Position (D2)
			Shallow Aquitard (D3)
			FAC-Neutral Test (D5)
			Sphagnum Moss (D8) (LRR T, U)

Field Observations:				Wetland Hydrology Present?
Surface Water Present?	Yes	Depth (inches):	2	<u>Yes</u>
Water table Present?	Yes	Depth (inches):	8-16	
Saturation Present?	Yes	Depth (inches):	0-16	
Remarks:				

SOIL							
Depth Inches	Matrix		Redox Features				Texture
	Color	%	Color	%	Type	Location	
0-6	10YR 3/1	100					silt loam
6-16	10YR 5/1	70	10YR 5/6	5	C	PL	silt loam
			10YR 5/4	25	C	M	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Soils:	
No	Histol (A1)	No	Polyvalue Below Surface (S8) (LRR S,T,U)
No	Histic Epipedon (A2)	No	Thin Dark Surface (S9) (LRR S,T,U)
No	Black Histic (A3)	No	Loamy Mucky Mineral (F1) (LRR O)
No	Hydrogen Sulfide (A4)	No	Loamy Gleyed Matrix (F2)
No	Stratified Layers (A5)	Yes	Depleted Matrix (F3)
No	Organic Bodies (A6) (LRR P,T,U)	No	Redox Dark Surface (F6)
No	5cm Mucky Mineral (A7) (LRR P,T,U)	No	Depleted Dark Surface (F7)
No	Muck Presence (A8) (LRR U)	No	Redox Depressions (F8)
No	1cm Muck (A9) (LRR P,T)	No	Marl (F10) (LRR U)
No	Depleted Below Dark Surface (A11)	No	Depleted Ochric (F11) (MLRA 151)
No	Thick Dark Surface (A12)	No	Iron-Manganese Masses (F12) (LRR O,P,T)
No	Coast Prairie Redox (A16) (MLRA 150A)	No	Umbric Surface (F13) (LRR P, T, U)
No	Sandy Mucky Mineral (S1) (LRR O,S)	No	Delta Ochric (F17) (MLRA 151)
No	Sandy Gleyed Matrix (S4)	No	Reduced Vertic (F18) (MLRA 150A, 150B)
No	Sandy Redox (S5)	No	Piedmont Floodplain Soils (F19) (MLRA 149A)
No	Stripped Matrix (S6)	No	Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)
No	Dark Surface (S7) (LRR P, S, T, U)		
			No
			1cm Muck (A9) (LRR O)
			2cm Muck (A10) (LRR S)
			Reduced Vertic (F18) (outside MLRA 150A,B)
			Piedmont Floodplain Soils (F19) (LRR P,S,T)
			Anomalous Bright Loamy Soils (F20) (MLRA 153B)
			Red Parent Material (TF2)
			Very Shallow Dark Surface (TF12)
			Other (Explain)

Restrictive Layer (if observed):		Hydric Soil Present?
Type:	None	<u>Yes</u>
Depth inches:	None	
Remarks:		

