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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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

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

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

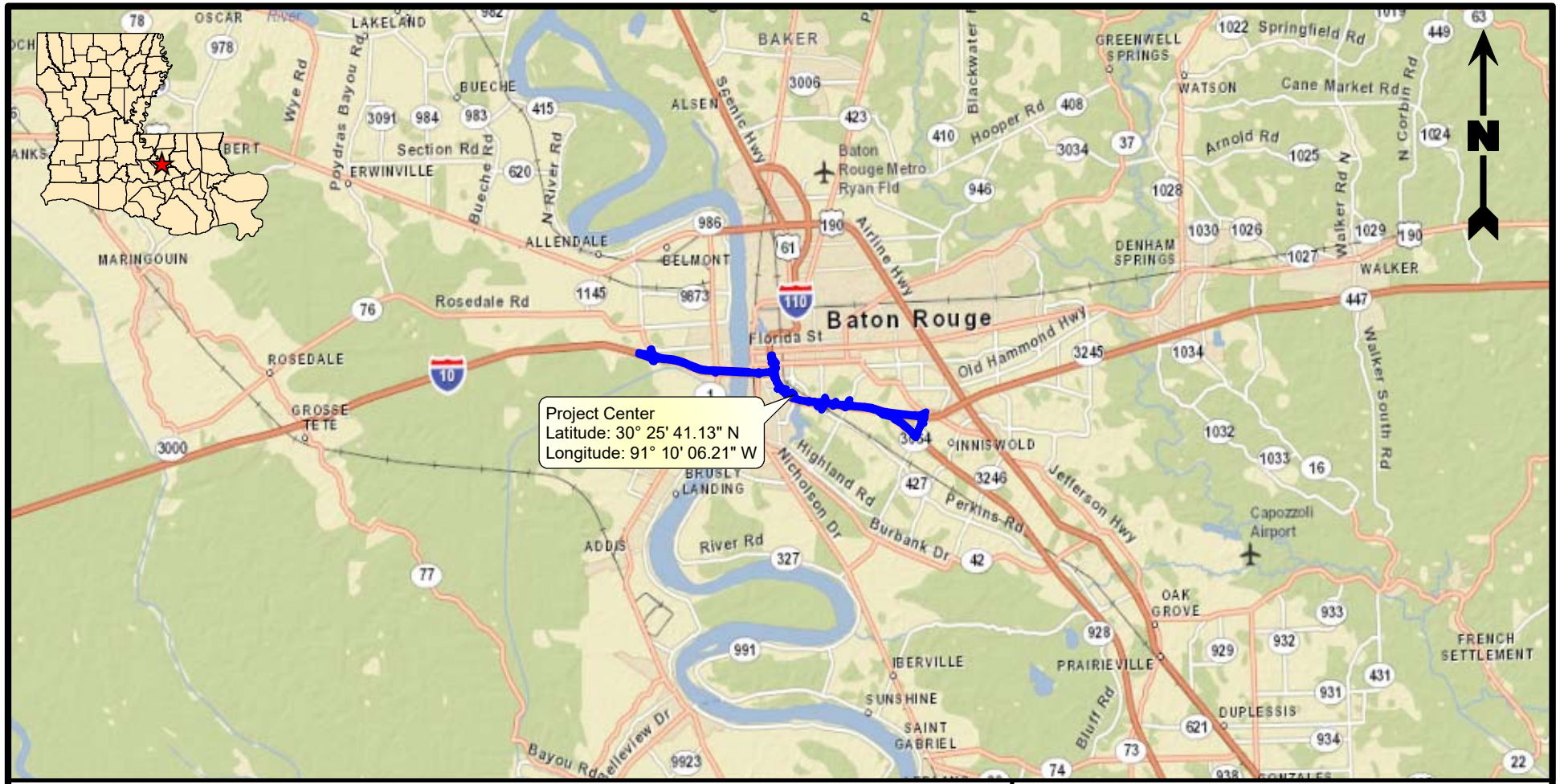
The Site is within the Amite watershed and USGS Hydrologic Unit Cataloging No. 08070202 in East Baton Rouge Parish, and within the Lower Grand watershed and USGS Hydrologic Unit Cataloging No. 08070300 in West Baton Rouge Parish. Hydrology on the Site is primarily attributed to rainfall, sheet flow, 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.

5 2.5 0 5 Miles

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

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Drawing Number 040-012-001-A113

1 Figure

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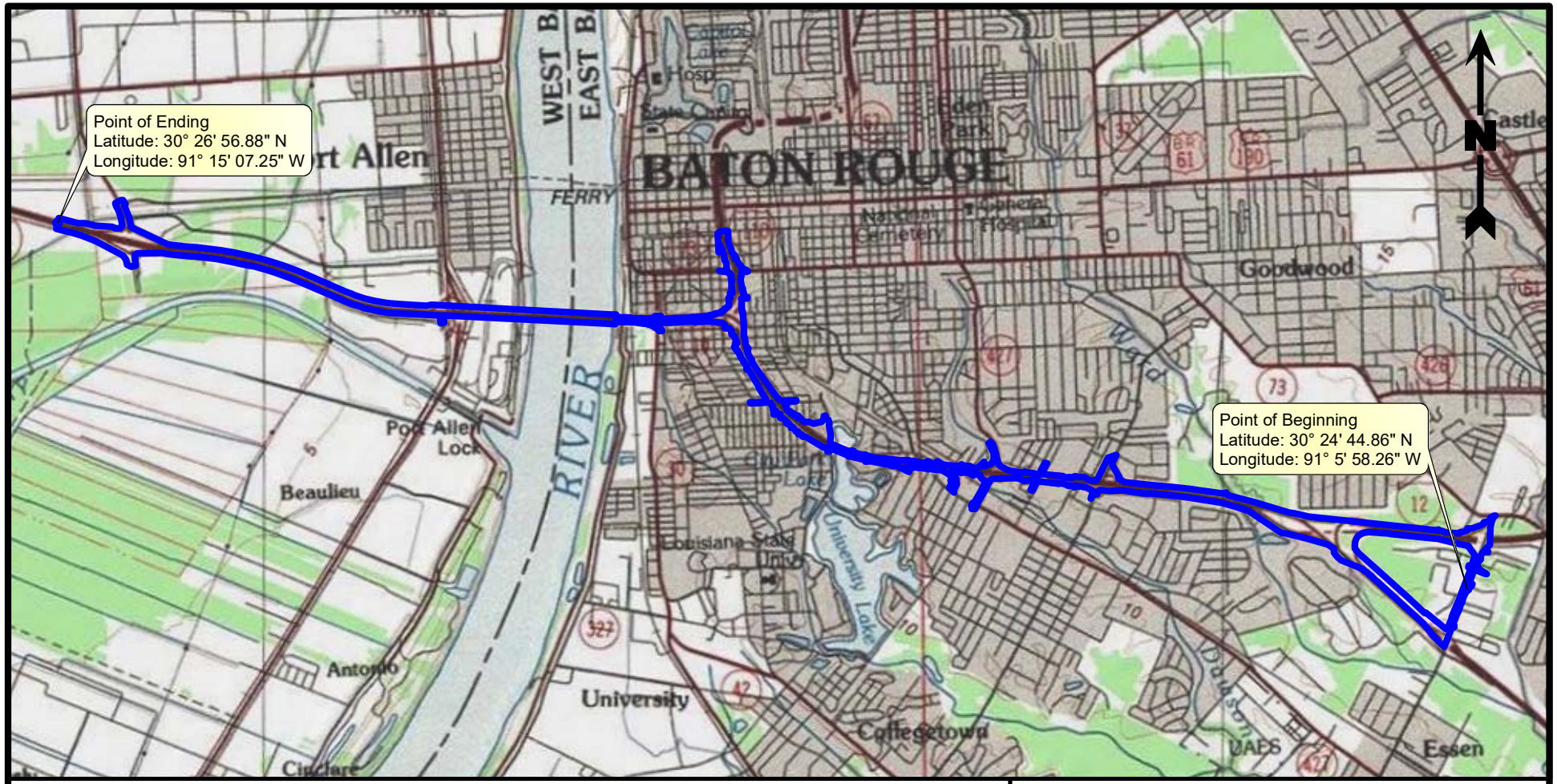
FIGURE 2

SITE LOCATION MAP



Legend

Project Area (549.24 Acres)

Reference

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

1 0.5 0 1 Miles

Site Location Map

Wetland Data Report/Request For
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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

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Drawing Number 040-012-001-A114

2
Figure

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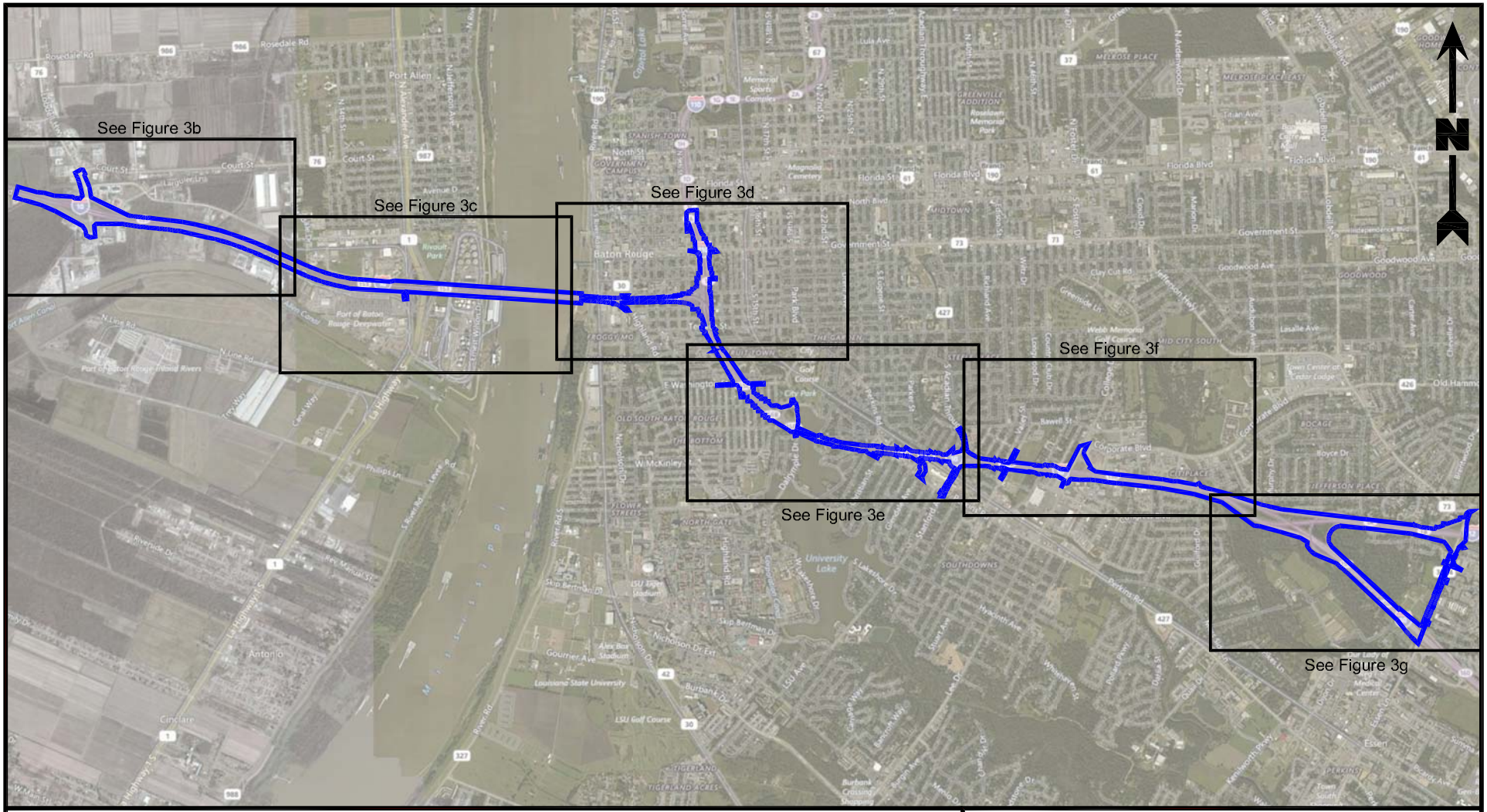
FIGURES 3a-3g

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.

5,000 0 5,000

Scale: 1" = 5,000'

Site Plan

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East and West Baton Rouge Parishes, Louisiana

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Drawing Number 040-012-001-A115

3a
Figure

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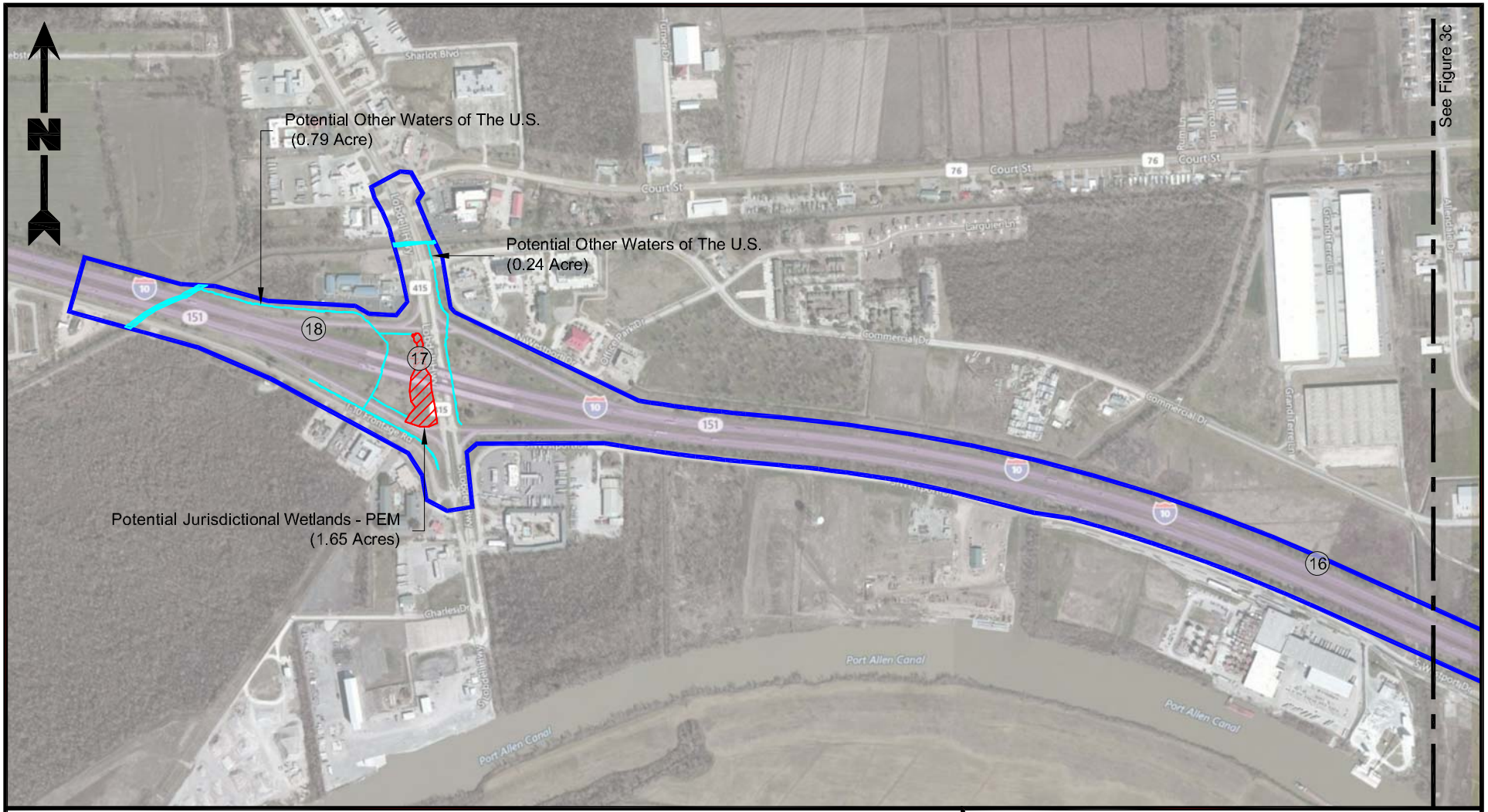

Legend

- 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.

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Scale: 1" = 1,000'

Site Plan

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PROVIDENCE

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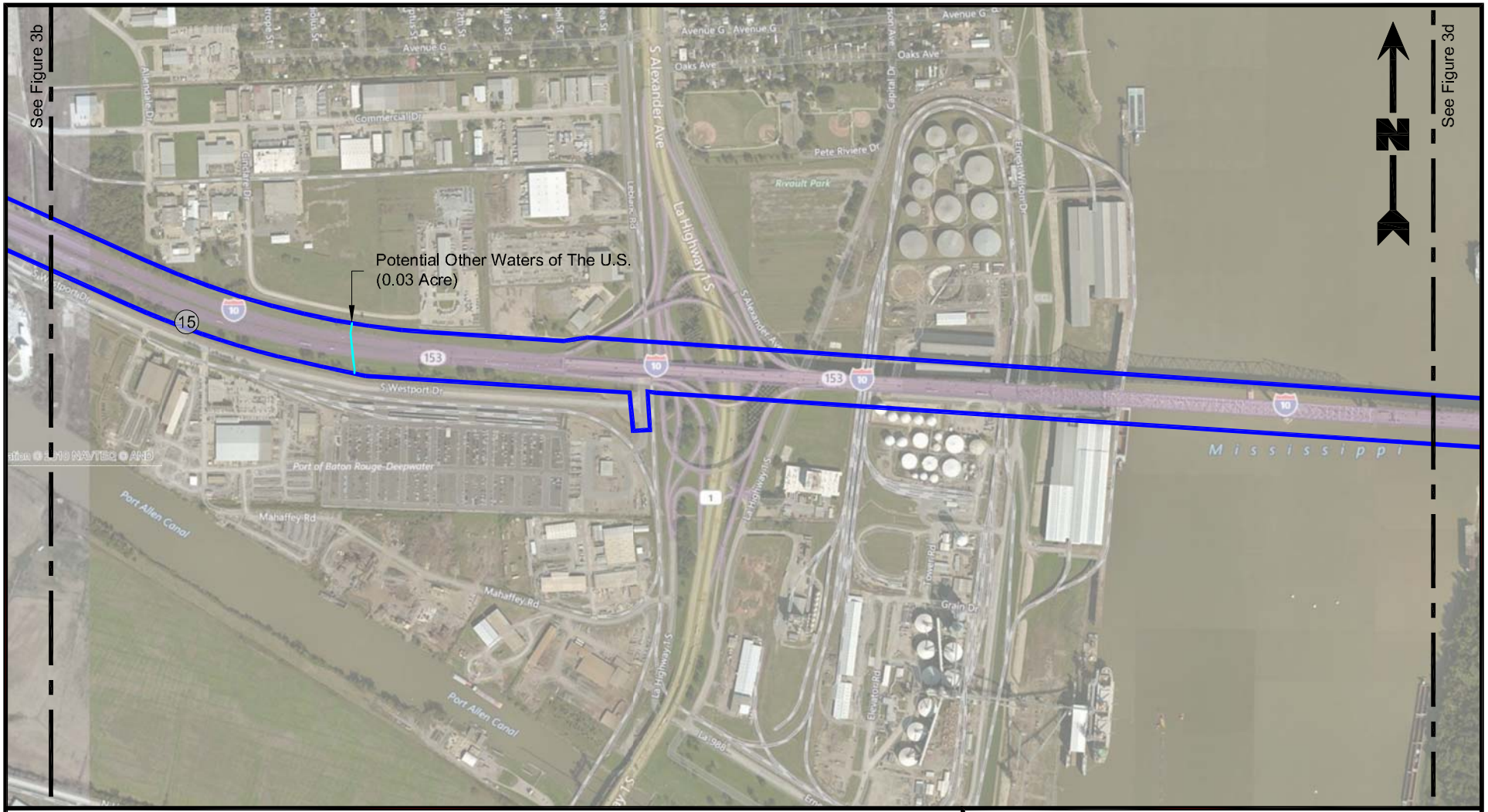
040-012-001

Drawing Number
040-012-001-A116

3b
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)
- (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.

1,000 0 1,000

Scale: 1" = 1,000'

Site Plan

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

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Project Number
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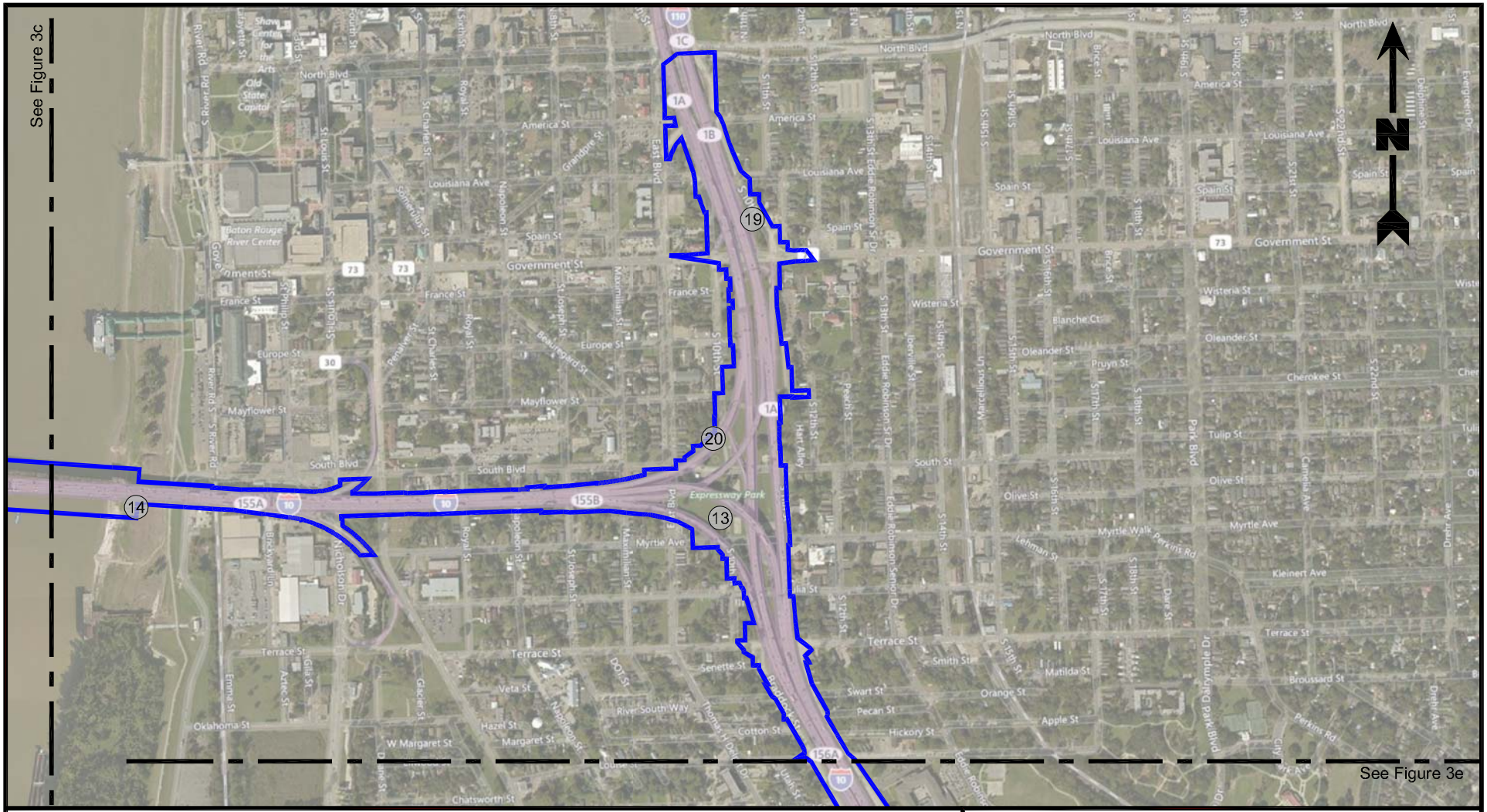
Drawing Number
040-012-001-A117

3c
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)
- (1) Sample Location

Reference

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Scale: 1" = 1,000'

Site Plan

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East and West Baton Rouge Parishes, Louisiana

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3d
Figure

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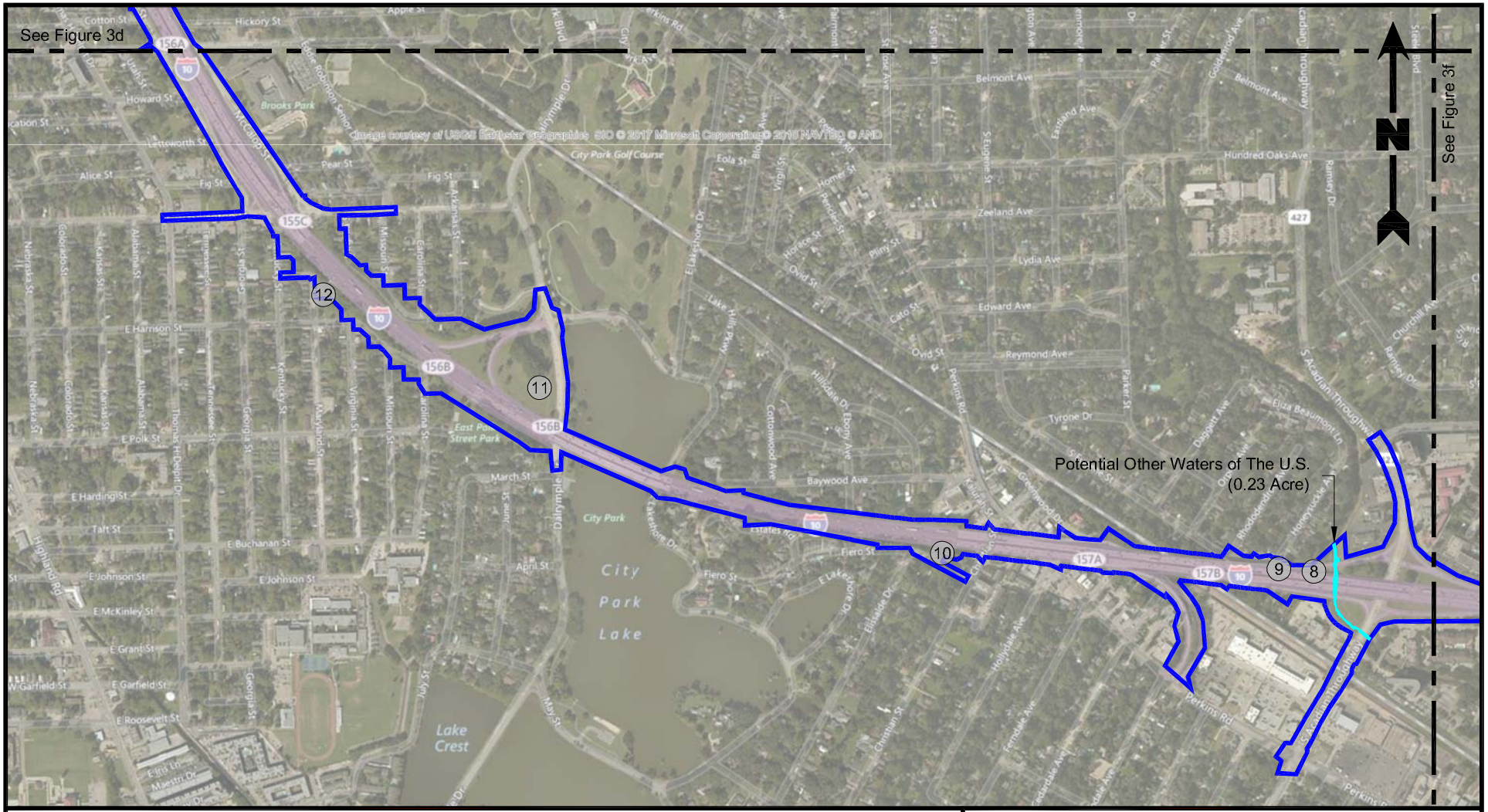

Legend

- 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.

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Scale: 1" = 1,000'

Site Plan

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

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Drawing Number 040-012-001-A119

3e
Figure

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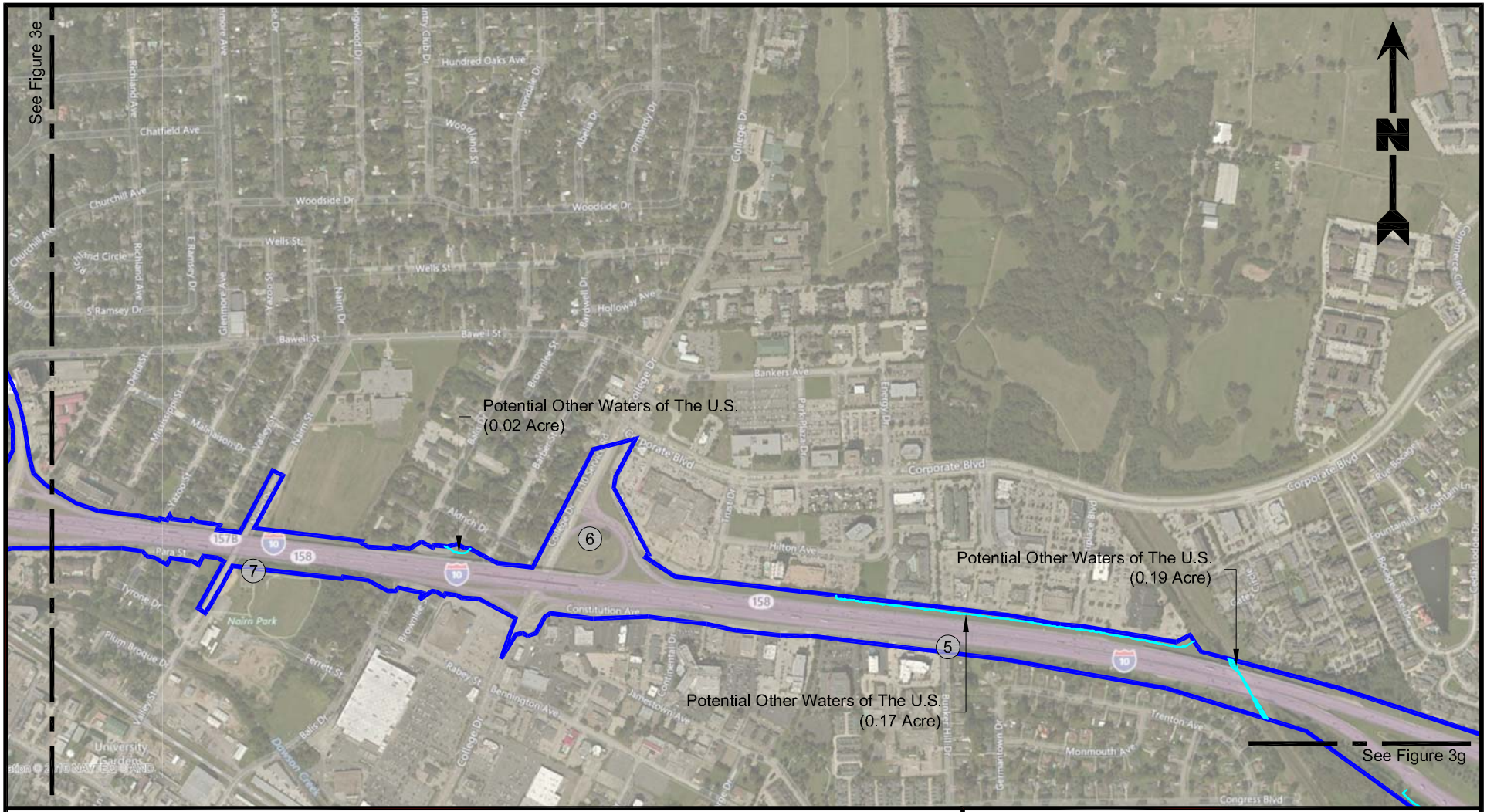

Legend

- 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.

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Scale: 1" = 1,000'

Site Plan

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

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Approved By	TCK	08/07/17

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Drawing Number
040-012-001-A120

3f
Figure

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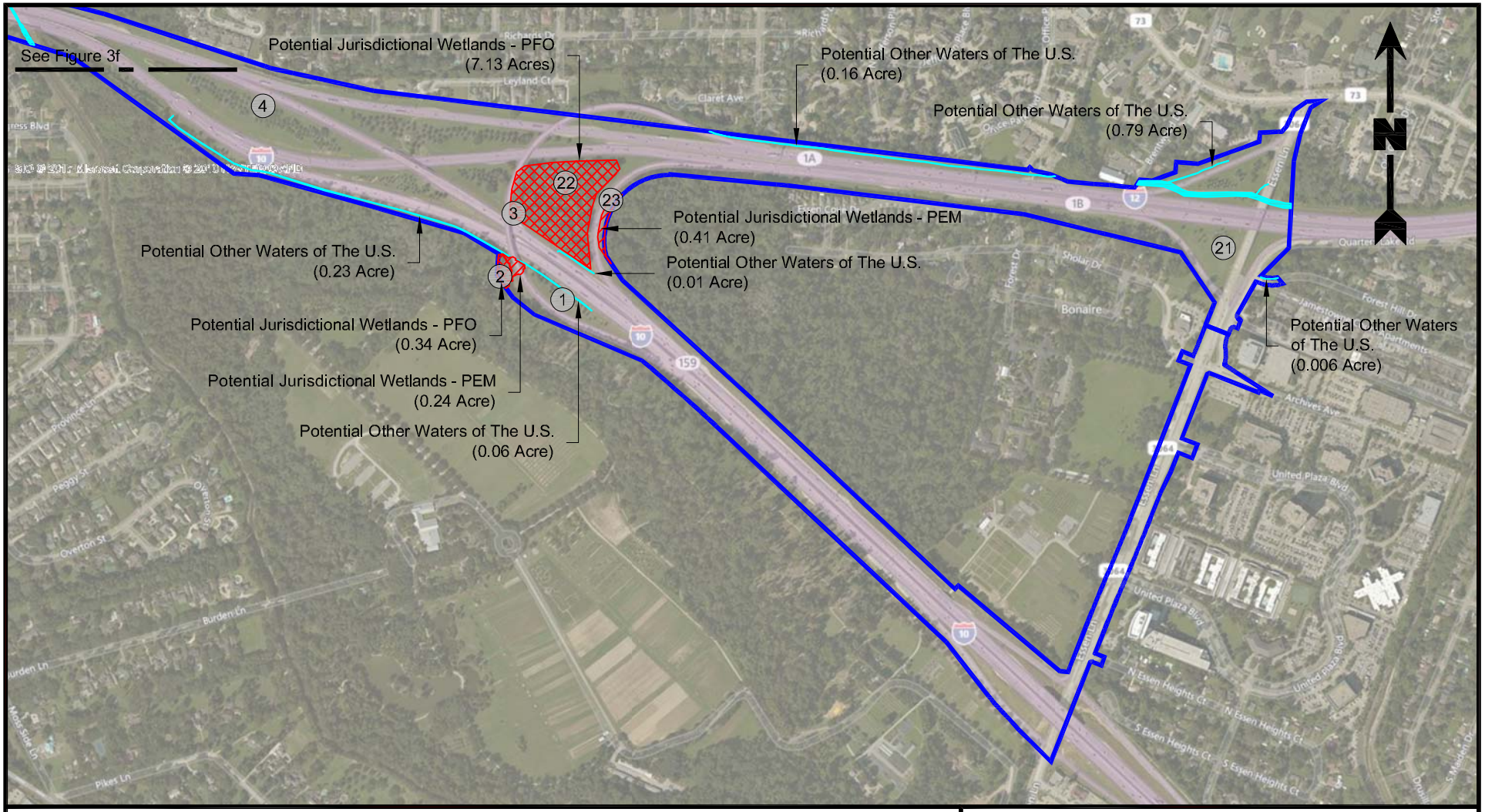

Legend

- 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

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1,000 0 1,000

Scale: 1" = 1,000'

Site Plan

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

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Project Number 040-012-001		
Drawing Number 040-012-001-A121		

3g
Figure

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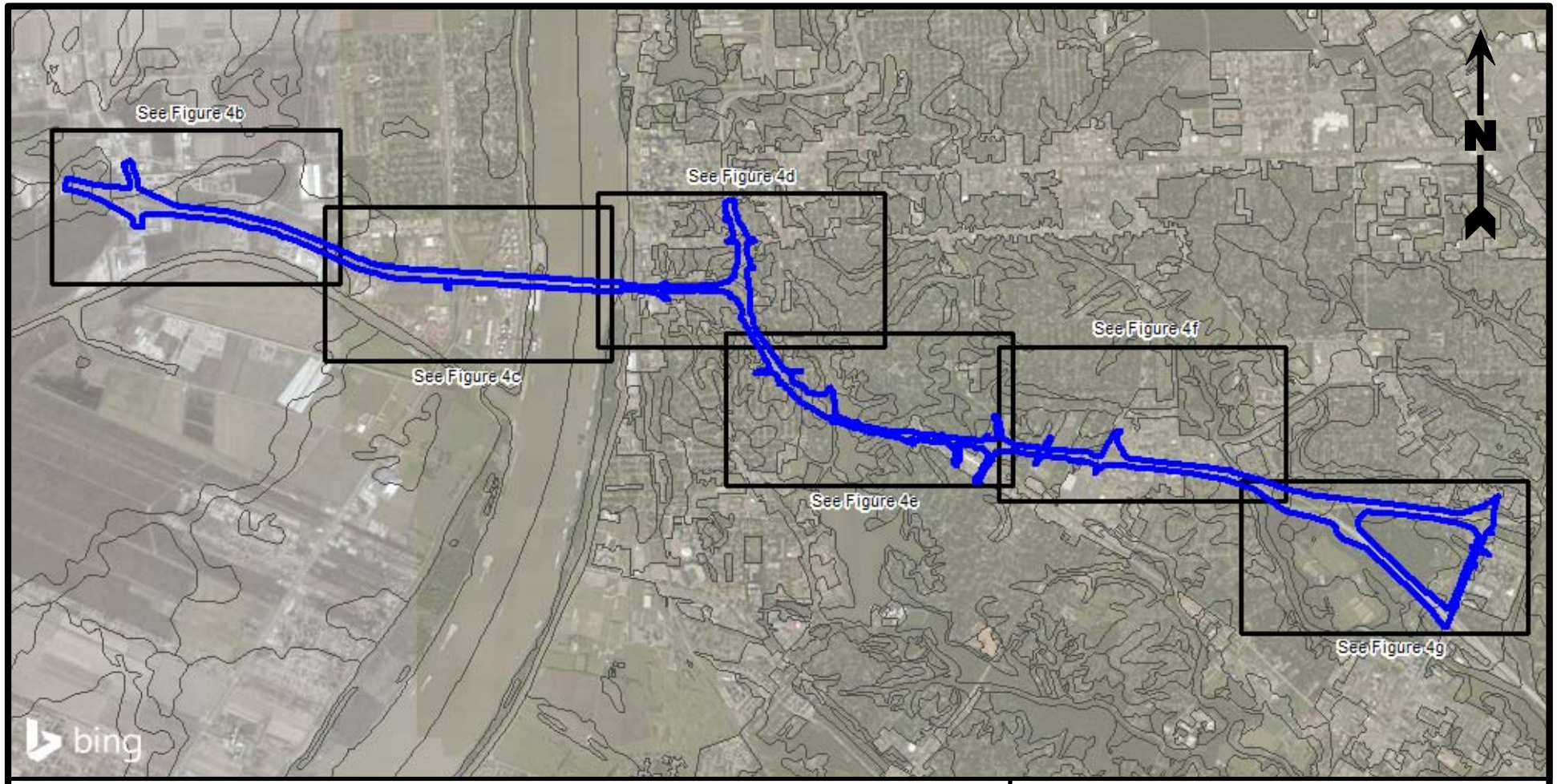
FIGURES 4a-4g

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.

1 0.5 0 1 Miles

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

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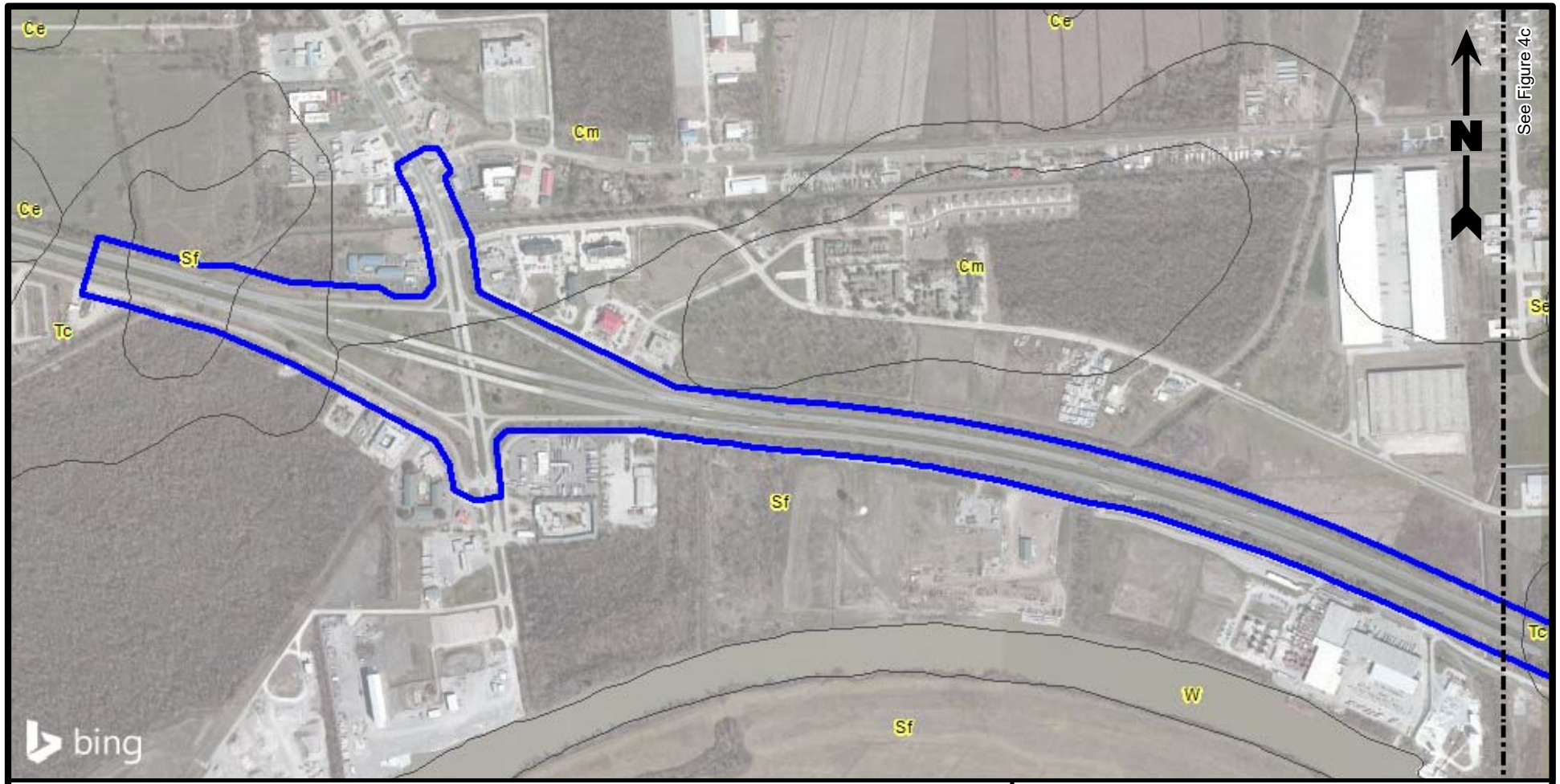
Drawing Number 040-012-001-A122

4a Figure



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.

1,000 500 0 1,000 Feet

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

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4b

Figure

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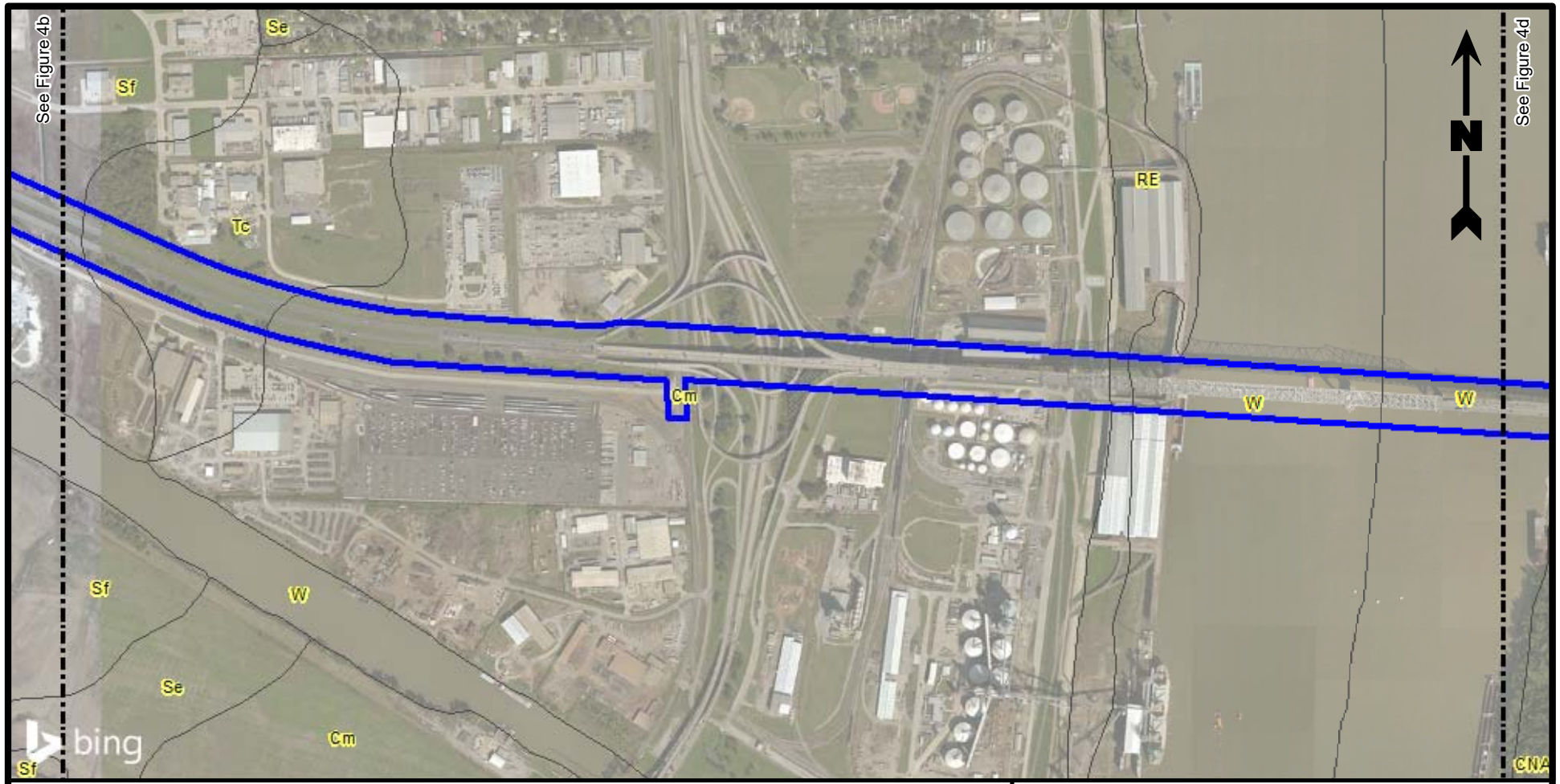

Legend

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.

1,000 500 0 1,000 Feet

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

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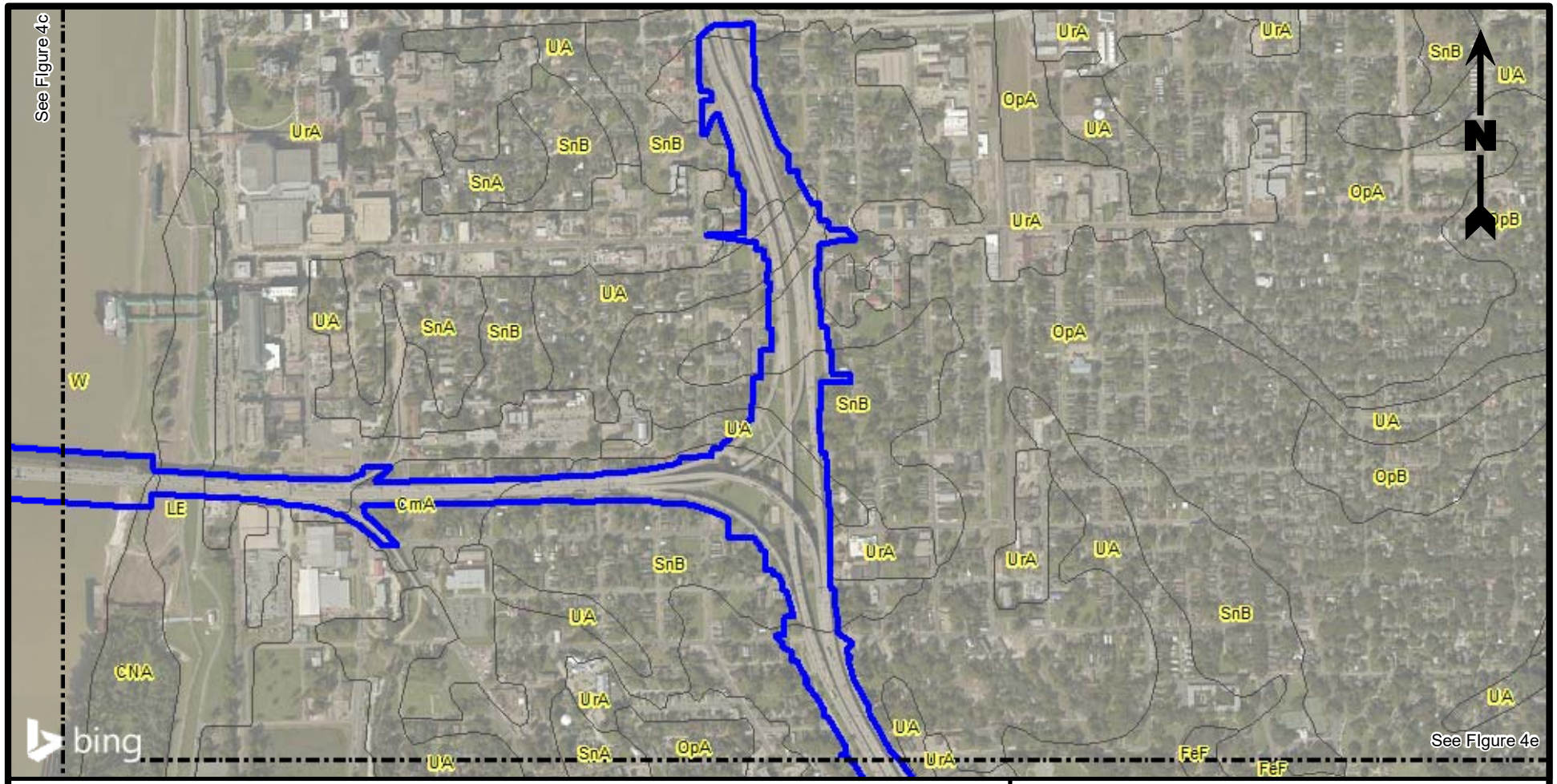
Project Number 040-012-001

Drawing Number 040-012-001-A124

4c

Figure



Legend

Project Area (549.24 Acres)

Soils Data

CmA - Cancienne silt loam, 0 to 1 percent slopes
CNA - Carville and Cancienne soils, gently undulating, frequently flooded
FeF - Feliciana silt loam, 8 to 30 percent slopes
LE - Levees
OpA - Oprairie silt, 0 to 1 percent slopes
OpB - Oprairie silt, 1 to 3 percent slopes
SnA - Scotlandville silt, 0 to 1 percent slopes
SnB - Scotlandville silt, 1 to 3 percent slopes
UA - Udarents
UrA - Urban land
W - Water

1,000 500 0 1,000 Feet

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

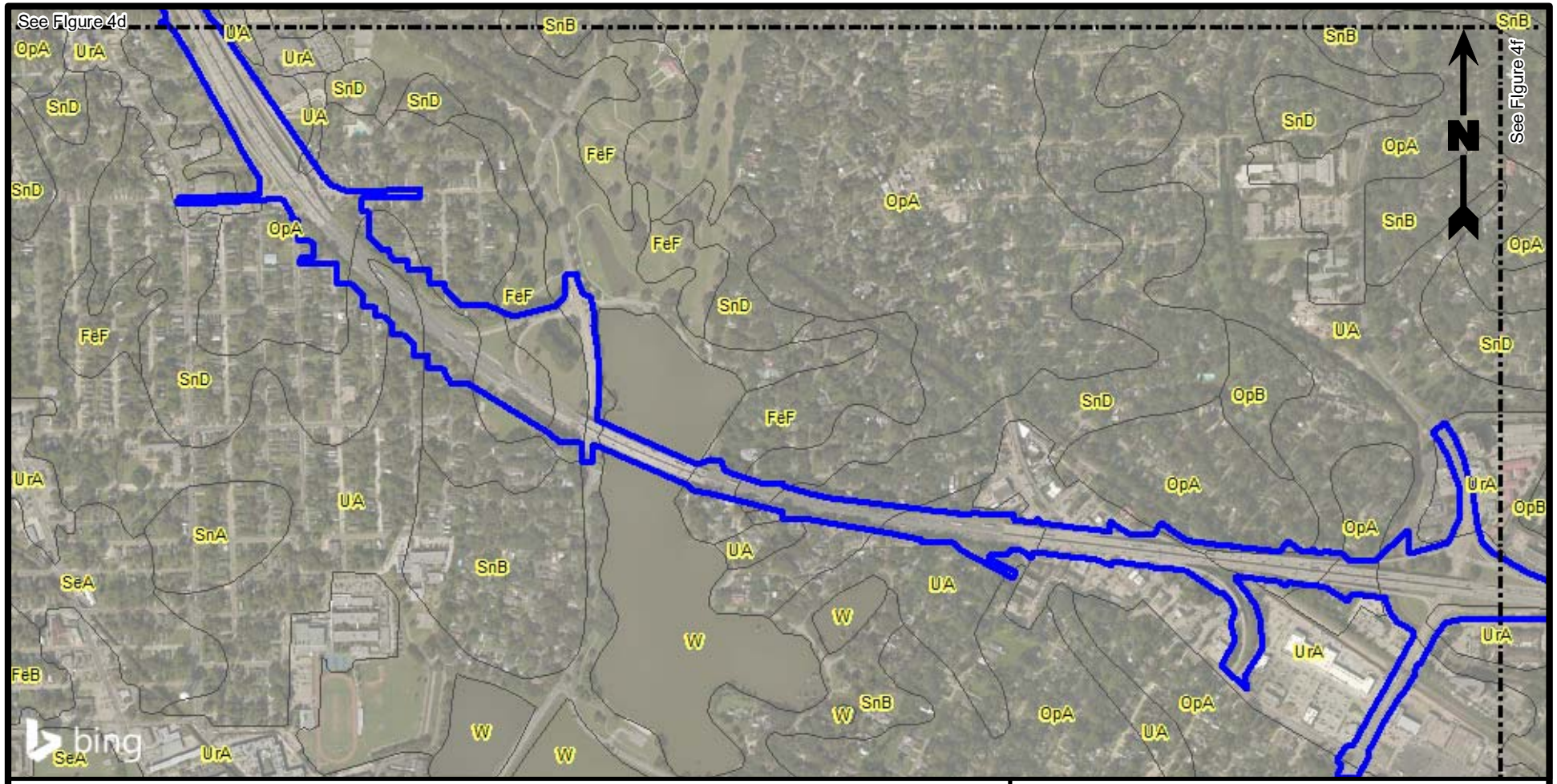
PROVIDENCE

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

1,000 500 0 1,000 Feet

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

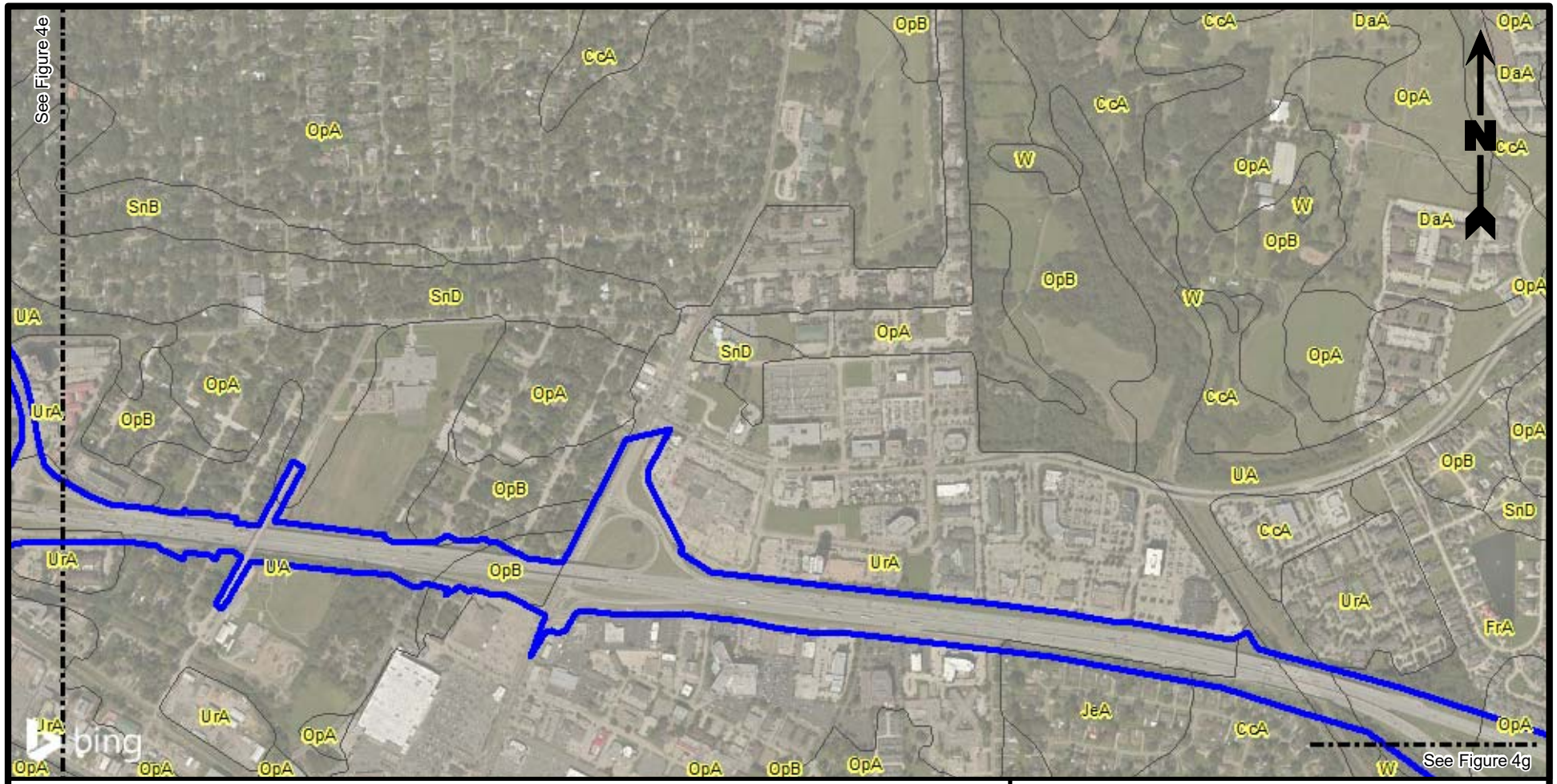
Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number 040-012-001

Drawing Number 040-012-001-A126

4e
Figure

Providence Engineering and Environmental Group LLC



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

1,000 500 0 1,000 Feet

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

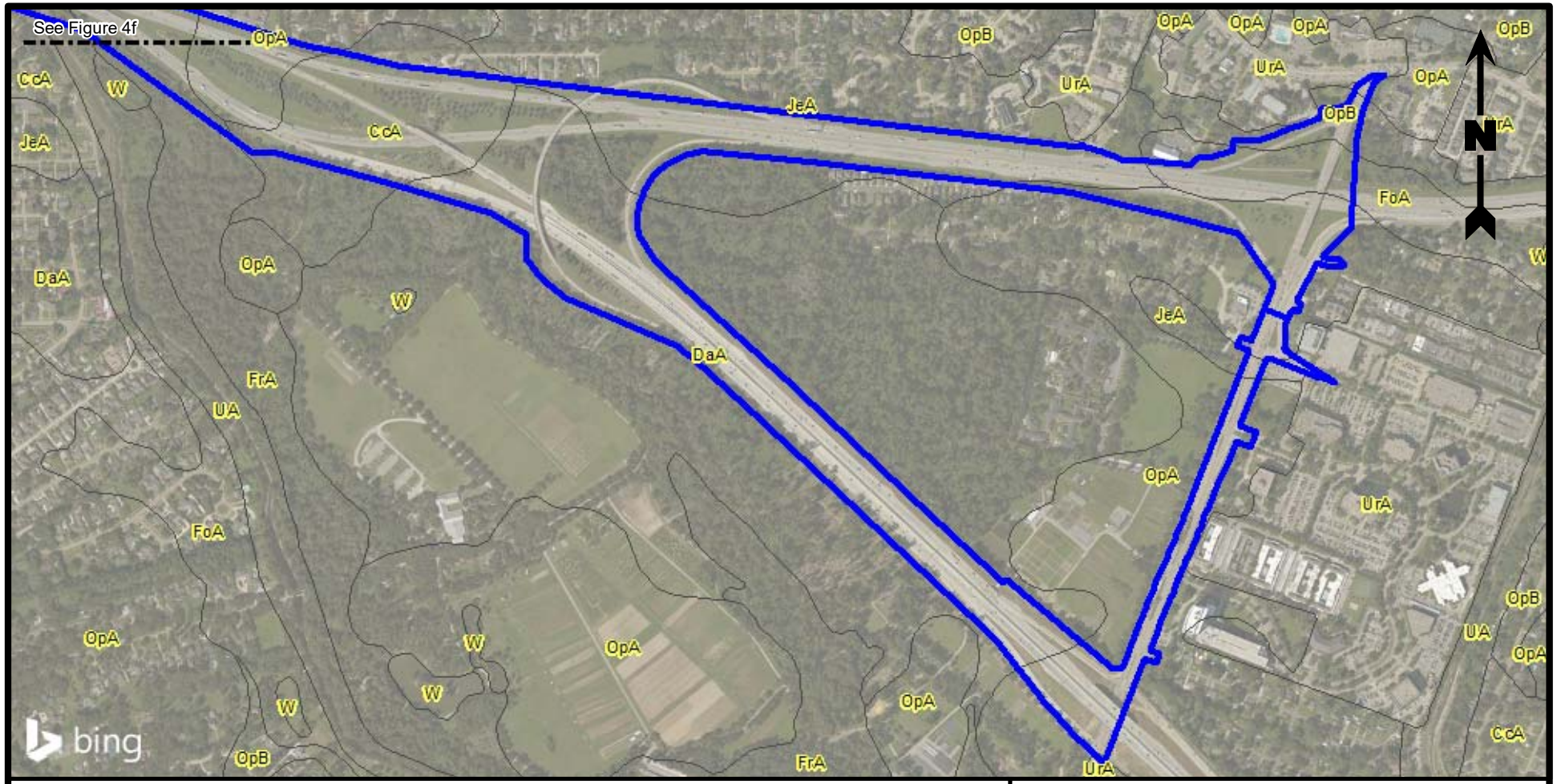
Drawn By	LMM	08/07/17
Checked By	LMH	08/07/17
Approved By	TCK	08/07/17

Project Number 040-012-001

Drawing Number 040-012-001-A127

4f
Figure

Providence Engineering and Environmental Group LLC



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

1,000 500 0 1,000 Feet

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	No soil sample collected due to fill in the soil profile.
Direction: N/A	
Comments: View of soil profile at Sample Location 13.	

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	No soil sample collected. Soils assumed hydric due to extent/duration of inundation.
Direction: N/A	
Comments: View of soil profile at Sample Location 17.	

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.

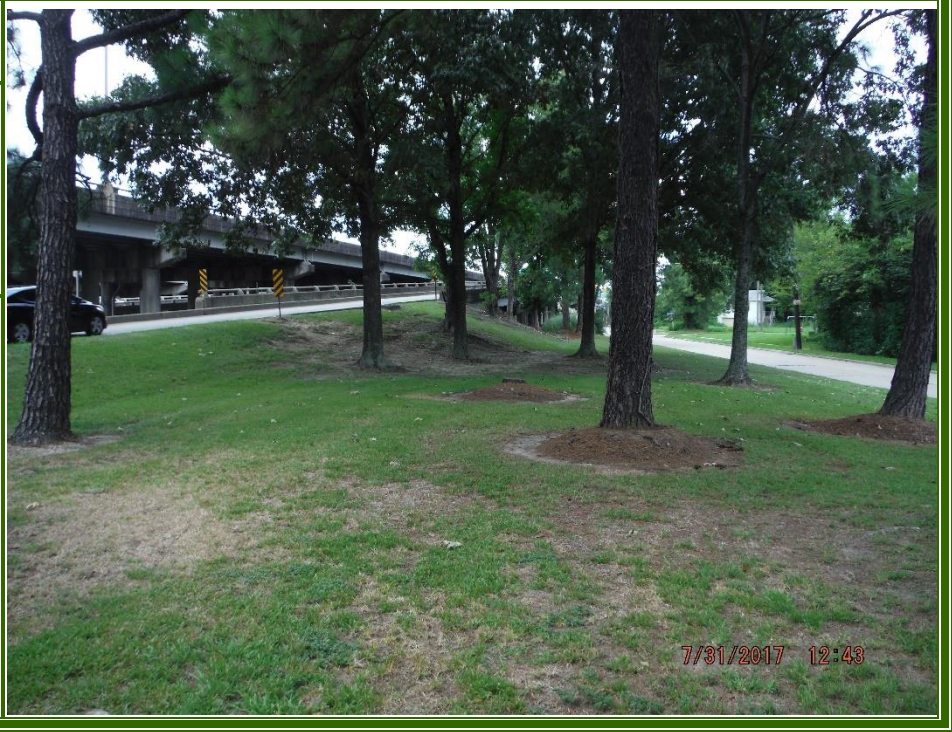
Photograph #19B

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	
Hydric Soil Present?	No	**Is the Sampled Area within a Wetland?** **No**
Wetland Hydrology Present?	No	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators

Primary Indicators (Need 1):

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

Secondary Indicators (Need 2):

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

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth Inches	Matrix Color	Matrix %	Redox Features Color	Redox %	Redox Type	Redox Location	Texture
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:

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) **(MRLA 149A, 153C, 153D)**		
No	Dark Surface (S7) **(LRR P, S, T, U)**				

Indicators for Problematic Soils:

Restrictive Layer (if observed):

Type: None
Depth inches: None

Hydric Soil Present? **No**

Remarks:

VEGETATION **SAMPLING POINT** 1

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Taxodium distichum		25	Yes	OBL

25 = Total Cover

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				

0 = 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				

0 = 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
Paspalum notatum		40	Yes	FACU
Paspalum dilatatum		40	Yes	FAC

80 = Total Cover

50/20 Threshold
50% of Total Cover = 40
20% of Total Cover = 16

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 2

Total Number of Dominant Species Across All Strata 3

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 66.67%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	
Hydric Soil Present?	Yes	**Is the Sampled Area within a Wetland?** **Yes**
Wetland Hydrology Present?	Yes	

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)
Yes	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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	Yes	Depth (inches):	0-16

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

VEGETATION **SAMPLING POINT** 2

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Ulmus americana		30	Yes	FAC
Quercus virginiana		20	Yes	FACU
Quercus shumardii		15	Yes	FAC

65 = Total Cover

50/20 Threshold
50% of Total Cover = 32.5
20% of Total Cover = 13

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Ligustrum japonicum		20	Yes	FAC
Ligustrum sinense		20	Yes	FAC

40 = Total Cover

50/20 Threshold
50% of Total Cover = 20
20% of Total Cover = 8

Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Chasmanthium latifolium		20	Yes	FAC
Hydrocotyle americana		20	Yes	OBL
Phyla nodiflora		5	No	FAC

45 = Total Cover

50/20 Threshold
50% of Total Cover = 22.5
20% of Total Cover = 9

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 6

Total Number of Dominant Species Across All Strata 7

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 85.71%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	
Hydric Soil Present?	Yes	**Is the Sampled Area within a Wetland?** **Yes**
Wetland Hydrology Present?	Yes	

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)
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)

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:

Surface Water Present?	None	Depth (inches):	N/A
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

VEGETATION **SAMPLING POINT** 3

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Triadica sebifera		70	Yes	FAC
Celtis laevigata		10	No	FACW
Ulmus americana		10	No	FAC

90 = Total Cover

50/20 Threshold
50% of Total Cover = 45
20% of Total Cover = 18

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Celtis laevigata		10	Yes	FACW
Triadica sebifera		10	Yes	FAC
Ligustrum japonicum		5	Yes	FAC

25 = Total Cover

50/20 Threshold
50% of Total Cover = 12.5
20% of Total Cover = 5

Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Sabal minor		40	Yes	FACW
Triadica sebifera		15	Yes	FAC
Ulmus alata		10	No	FACU
Sambucus nigra		10	No	FACW

75 = Total Cover

50/20 Threshold
50% of Total Cover = 37.5
20% of Total Cover = 15

Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Sambucus nigra		10	Yes	FACW
Triadica sebifera		5	Yes	FAC
Ambrosia trifida		5	Yes	FAC

20 = Total Cover

50/20 Threshold
50% of Total Cover = 10
20% of Total Cover = 4

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Lonicera japonica		25	Yes	FACU
Toxicodendron radicans		5	No	FAC

30 = Total Cover

50/20 Threshold
50% of Total Cover = 15
20% of Total Cover = 6

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 9

Total Number of Dominant Species Across All Strata 10

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 90.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

VEGETATION **SAMPLING POINT** 4

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Quercus virginiana		30	Yes	FACU

30 = Total Cover

50/20 Threshold
50% of Total Cover = 15
20% of Total Cover = 6

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Paspalum notatum		30	Yes	FACU
Paspalum dilatatum		30	Yes	FAC
Trifolium repens		15	Yes	FACU

75 = Total Cover

50/20 Threshold
50% of Total Cover = 37.5
20% of Total Cover = 15

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 1

Total Number of Dominant Species Across All Strata 4

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 25.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	
Hydric Soil Present?	No	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth Inches	Matrix Color	Matrix %	Redox Features Color	Redox Features %	Redox Features Type	Redox Features Location	Texture
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Soil sample only collected to 12 inches due to fill.

VEGETATION **SAMPLING POINT** 5

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Stenotaphrum secundatum		50	Yes	FAC
Paspalum notatum		30	Yes	FACU
Trifolium repens		15	No	FACU

95 = 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				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 1

Total Number of Dominant Species Across All Strata 2

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 50.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Soil sample mixed with fill.

VEGETATION **SAMPLING POINT** 6

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Paspalum notatum		90	Yes	FACU
Trifolium repens		5	No	FACU

95 = 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				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 0

Total Number of Dominant Species Across All Strata 1

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 0.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	
Hydric Soil Present?	No	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Broussonetia papyrifera		70	Yes	FACU
Celtis laevigata		15	No	FACW

85 = Total Cover

50/20 Threshold
50% of Total Cover = 42.5
20% of Total Cover = 17

Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Phyla nodiflora		30	Yes	FAC
Broussonetia papyrifera		20	Yes	FACU

50 = Total Cover

50/20 Threshold
50% of Total Cover = 25
20% of Total Cover = 10

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Smilax rotundiflora		10	Yes	FAC
Lonicera japonica		5	Yes	FACU
Ampelopsis arborea		5	Yes	FAC

20 = Total Cover

50/20 Threshold
50% of Total Cover = 10
20% of Total Cover = 4

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 3

Total Number of Dominant Species Across All Strata 6

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 50.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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: 30.424551°	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

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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

VEGETATION **SAMPLING POINT** 8

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Paspalum notatum		80	Yes	FACU
Trifolium repens		10	No	FACU

90 = Total Cover

50/20 Threshold
50% of Total Cover = 45
20% of Total Cover = 18

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 0

Total Number of Dominant Species Across All Strata 1

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 0.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?**	**No**
Hydric Soil Present?	No		
Wetland Hydrology Present?	Yes		

Remarks:

HYDROLOGY

Wetland Hydrology Indicators

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)
No	FAC-Neutral Test (D5)
No	Sphagnum Moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes	Depth (inches):	2
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Cynodon dactylon		30	Yes	FACU
Hydrocotyle americana		30	Yes	OBL
Trifolium repens		20	Yes	FACU

80 = Total Cover

50/20 Threshold
50% of Total Cover = 40
20% of Total Cover = 16

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 1

Total Number of Dominant Species Across All Strata 3

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 33.33%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

VEGETATION **SAMPLING POINT** 10

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Quercus nigra		40	Yes	FAC
Pinus elliottii		5	No	FACW

45 = Total Cover

50/20 Threshold
50% of Total Cover = 22.5
20% of Total Cover = 9

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Broussonetia papyrifera		10	Yes	FACU

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Broussonetia papyrifera		10	Yes	FACU

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Toxicodendron radicans		40	Yes	FAC

40 = Total Cover

50/20 Threshold
50% of Total Cover = 20
20% of Total Cover = 8

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 2

Total Number of Dominant Species Across All Strata 4

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 50.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	
Hydric Soil Present?	No	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Paspalum notatum		90	Yes	FACU
Trifolium repens		5	No	FACU

95 = 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				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 0

Total Number of Dominant Species Across All Strata 1

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 0.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover
50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Sorghum halepense		40	Yes	FACU
Paspalum notatum		40	Yes	FACU
Trifolium repens		5	No	FACU

85 = Total Cover
50/20 Threshold
50% of Total Cover = 42.5
20% of Total Cover = 17

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover
50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 0

Total Number of Dominant Species Across All Strata 2

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 0.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth Inches	Matrix Color	Matrix %	Redox Features Color	Redox Features %	Redox Features Type	Redox Features Location	Texture
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

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

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Quercus virginiana		40	Yes	FACU

40 = Total Cover

50/20 Threshold
50% of Total Cover = 20
20% of Total Cover = 8

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Trifolium repens		60	Yes	FACU
Stenotaphrum secundatum		40	Yes	FAC

100 = Total Cover

50/20 Threshold
50% of Total Cover = 50
20% of Total Cover = 20

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 1

Total Number of Dominant Species Across All Strata 3

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 33.33%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	
Hydric Soil Present?	No	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth Inches	Matrix Color	Matrix %	Redox Features Color	Redox Features %	Redox Features Type	Redox Features Location	Texture
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **No**

Remarks:

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

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Verbena bonariensis		40	Yes	FAC
Rubus trivialis		40	Yes	FACU
Solidago altissima		15	No	FACU

95 = 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				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 1

Total Number of Dominant Species Across All Strata 2

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 50.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?** **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)
Yes	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

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

VEGETATION **SAMPLING POINT** 15

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Pinus elliottii		60	Yes	FACW

60 = Total Cover

50/20 Threshold
50% of Total Cover = 30
20% of Total Cover = 12

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Celtis laevigata		30	Yes	FACW
Acer negundo		25	Yes	FAC

55 = Total Cover

50/20 Threshold
50% of Total Cover = 27.5
20% of Total Cover = 11

Shrub Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Carya illinoinensis		10	Yes	FACU

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Herb Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Campsis radicans		55	Yes	FAC
Ampelopsis arborea		15	Yes	FAC
Toxicodendron radicans		5	No	FAC

75 = Total Cover

50/20 Threshold
50% of Total Cover = 37.5
20% of Total Cover = 15

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 5

Total Number of Dominant Species Across All Strata 6

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 83.33%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	**Is the Sampled Area within a Wetland?** **No**
Wetland Hydrology Present?	Yes	

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)
Yes	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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	Yes	Depth (inches):	0-8

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Paspalum notatum		95	Yes	FACU

95 = 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				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 0

Total Number of Dominant Species Across All Strata 1

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 0.00%

Prevalence Index Worksheet:

Total % Cover of:			Multiply
0	OBL	x1=	0
0	FACW	x2=	0
0	FAC	x3=	0
95	FACU	x4=	380
0	UPL	x5=	0
95	**A Totals**	**B**	380

Prevalence Index (B/A)= 4.00

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg: No
Dominance Test > 50%: No
Prevalence Index is ≤3.0: No
Problematic Hydrophytic Veg: No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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:		Sec.tion 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

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:

Surface Water Present?	Yes	Depth (inches):	4
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth Inches	Matrix Color	Matrix %	Redox Features Color	Redox Features %	Redox Features Type	Redox Features Location	Texture
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

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

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Zizaniopsis miliacea		80	Yes	OBL
Eleocharis baldwinii		10	No	OBL
Alternanthera philoxeroides		5	No	OBL

95 = 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				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 1

Total Number of Dominant Species Across All Strata 1

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 100.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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, Township7S, 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	**Is the Sampled Area within a Wetland?**	**No**
Hydric Soil Present?	Yes		
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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Melia azedarach		20	Yes	UPL
Broussonetia papyrifera		5	Yes	FACU

25 = Total Cover

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				

0 = 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
Broussonetia papyrifera		20	Yes	FACU
Ligustrum japonicum		10	Yes	FAC
Quercus nigra		5	No	FAC

35 = Total Cover

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
Trifolium incarnatum		30	Yes	NL (UPL)
Paspalum notatum		30	Yes	FACU
Sorghum halepense		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
Brunnichia ovata		15	Yes	FACW
Vitis rotundifolia		40	Yes	FAC

55 = Total Cover

50/20 Threshold
50% of Total Cover = 27.5
20% of Total Cover = 11

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 3

Total Number of Dominant Species Across All Strata 8

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 37.50%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	No
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
No

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	**Is the Sampled Area within a Wetland?** **No**
Wetland Hydrology Present?	No	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators

Primary Indicators (Need 1):

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

Secondary Indicators (Need 2):

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

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth Inches	Matrix Color	Matrix %	Redox Features Color	Redox %	Redox Type	Redox Location	Texture
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:

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) **(MRLA 149A, 153C, 153D)**		
No	Dark Surface (S7) **(LRR P, S, T, U)**				

Indicators for Problematic Soils:

Restrictive Layer (if observed):

Type: None
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Pinus Taeda		20	Yes	FAC

20 = Total Cover

50/20 Threshold
50% of Total Cover = 10
20% of Total Cover = 4

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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				

0 = 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
Stenotaphrum secundatum		80	Yes	FAC

80 = Total Cover

50/20 Threshold
50% of Total Cover = 40
20% of Total Cover = 16

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = Total Cover

50/20 Threshold
50% of Total Cover = 0
20% of Total Cover = 0

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 2

Total Number of Dominant Species Across All Strata 2

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 100.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	**Is the Sampled Area within a Wetland?** **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
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	None	Depth (inches):	N/A

Wetland Hydrology Present? **No**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

VEGETATION **SAMPLING POINT** 20

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Ulmus americana		20	Yes	FAC
Celtis laevigata		20	Yes	FACW
Quercus nigra		10	No	FAC
Triadica sebifera		10	No	FAC
Liriodendron tulipifera		10	No	FACU

70 = Total Cover

50/20 Threshold
50% of Total Cover = 35
20% of Total Cover = 14

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Ligustrum sinense		30	Yes	FAC

30 = 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
Setaria italica		70	Yes	FACU
Mimosa pudica		20	Yes	FACU
Ipomoea purpurea		10	No	UPL

100 = Total Cover

50/20 Threshold
50% of Total Cover = 50
20% of Total Cover = 20

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Toxicodendron radicans		10	Yes	FAC

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 4

Total Number of Dominant Species Across All Strata 6

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 66.67%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
OBL	x1=	
FACW	x2=	
FAC	x3=	
FACU	x4=	
UPL	x5=	
A Totals	**B**	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	
Hydric Soil Present?	No	**Is the Sampled Area within a Wetland?** **No**
Wetland Hydrology Present?	No	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators

Primary Indicators (Need 1):

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

Secondary Indicators (Need 2):

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

Wetland Hydrology Present? **No**

Remarks:

SOIL

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

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) **(MRLA 149A, 153C, 153D)**		
No	Dark Surface (S7) **(LRR P, S, T, U)**				

Indicators for Problematic Soils:

Restrictive Layer (if observed):

Type: None
Depth inches: None

Hydric Soil Present? **No**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Ulmus americana		20	Yes	FAC
Celtis laevigata		20	Yes	FACW
Quercus nigra		10	No	FAC
Triadica sebifera		10	No	FAC
Liriodendron tulipifera		10	No	FACU

70 = Total Cover

50/20 Threshold
50% of Total Cover = 35
20% of Total Cover = 14

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Ligustrum sinense		30	Yes	FAC

30 = 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
Cynodon dactylon		70	Yes	FACU
Paspalum notatum		10	No	FACU

80 = Total Cover

50/20 Threshold
50% of Total Cover = 40
20% of Total Cover = 16

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Toxicodendron radicans		10	Yes	FAC

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 4

Total Number of Dominant Species Across All Strata 5

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 80.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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	
Hydric Soil Present?	Yes	**Is the Sampled Area within a Wetland?** **Yes**
Wetland Hydrology Present?	Yes	

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)
Yes	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)

Secondary Indicators (Need 2):

No	Surface Soil Cracked (B6)
Yes	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:

Surface Water Present?	None	Depth (inches):	N/A
Water table Present?	None	Depth (inches):	N/A
Saturation Present?	Yes	Depth (inches):	8-16

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	Color	%	Color	%	Type	Location	
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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Ulmus americana		20	Yes	FAC
Celtis laevigata		20	Yes	FACW
Quercus nigra		10	No	FAC
Triadica sebifera		10	No	FAC
Liriodendron tulipifera		10	No	FACU

70 = Total Cover

50/20 Threshold
50% of Total Cover = 35
20% of Total Cover = 14

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Ligustrum sinense		30	Yes	FAC

30 = 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
Sabal minor		60	Yes	FACW
Rubus trivialis		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
Toxicodendron radicans		10	Yes	FAC

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC (A): 5

Total Number of Dominant Species Across All Strata 5

Percent of Dominant Species That Are OBL, FACW, or FAC (A/B): 100.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes

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

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)

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:

Surface Water Present?	Yes	Depth (inches):	2
Water table Present?	Yes	Depth (inches):	8-16
Saturation Present?	Yes	Depth (inches):	0-16

Wetland Hydrology Present? **Yes**

Remarks:

SOIL

Depth	Matrix		Redox Features				Texture
Inches	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:

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) **(MRLA 149A, 153C, 153D)**
No	Dark Surface (S7) **(LRR P, S, T, U)**		

Indicators for Problematic Soils:

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
Depth inches: None

Hydric Soil Present? **Yes**

Remarks:

Tree Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Ulmus americana		20	Yes	FAC
Celtis laevigata		20	Yes	FACW
Quercus nigra		10	No	FAC
Triadica sebifera		10	No	FAC
Liriodendron tulipifera		10	No	FACU

70 = Total Cover

50/20 Threshold
50% of Total Cover = 35
20% of Total Cover = 14

Sapling Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
None				

0 = 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
Ligustrum sinense		30	Yes	FAC

30 = 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
Hydrocotyle umbellata		40	Yes	OBL
Cyperus odoratus		20	Yes	FACW
Eleocharis obtusa		10	No	OBL
Juncus effusus		10	No	OBL

80 = Total Cover

50/20 Threshold
50% of Total Cover = 40
20% of Total Cover = 16

Woody Vine Stratum	Plot Size: 30'	Absolute % Cover	Dominant Species	Indicator Status
Toxicodendron radicans		10	Yes	FAC

10 = Total Cover

50/20 Threshold
50% of Total Cover = 5
20% of Total Cover = 2

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC	(A): 6
Total Number of Dominant Species Across All Strata	6
Percent of Dominant Species That Are OBL, FACW, or FAC	(A/B): 100.00%

Prevalence Index Worksheet:

Total % Cover of:		Multiply
	OBL x1=	
	FACW x2=	
	FAC x3=	
	FACU x4=	
	UPL x5=	
	A Totals B	

Prevalence Index (B/A)=

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Veg:	No
Dominance Test > 50%:	Yes
Prevalence Index is ≤3.0:	N/A
Problematic Hydrophytic Veg:	No

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.

Remarks:

Hydrophytic Vegetation Present?
Yes