



APPENDIX F: DATA SOURCES AND TECHNICAL INFORMATION

Resource/Study Area Data Sources

Resource/Study Area Data Sources	
Resource	Source
Land Cover	National Oceanic and Atmospheric Administration (NOAA) 2005 land cover data
Prime Farmland	(SSURGO) databases for Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge parishes Natural Resource Conservation Service, National Cooperative Soil Survey, Web Soil Survey 2.1
Socio Economics	1990 U.S. Census Data: SF1 Table: P001; U.S. Census 2000 Data: SF1 Table: P1; U.S. Census Data: Population Estimates Program Data 2007 Tables: States, Counties, and Cities & U.S. Census 2000 SF1 Table P8, (1) - Combines Census Table P8 categories 'Some other race alone' and 'Two or more races' (2) - Small area Census geographies are named by their FIPS codes (State FIPS-County FIPS-Tract FIPS-Block group FIPS & Block FIPS). Source: U.S. Census 2000 SF3 Table P52, P53, (1) Small area Census geographies are named by their FIPS codes (State FIPS-County FIPS-Tract FIPS-Block group FIPS & Block FIPS).
Cultural resources	See information following this table
Parks	Ascension Parish recreation BREC GIS dataset Livingston Parish Iberville Parish West Baton Rouge Parish
Community Facilities	LA DHH/Health Standards Section - Hospitals LOSCO - Marinas LA Department of Education - Schools US GNIS - Cemeteries US GNIS - Churches ESRI - Police, Fire, Post Office
Floodplains	FEMA digital 100-year floodplain from Flood Insurance Rate Maps and Flood Hazard Boundary Maps
Waterbodies	1:24,000 Scale USGS Digital Raster Graphics (DRG) 7.5 minute Quadrangle Maps; 1:24,000 Scale USGS Digital Line Graphics (DLG) 7.5 minute Quadrangle Maps; Natural and Scenic Rivers System Louisiana Scenic Rivers Act Acts 1988, No. 947 eff. July 27, 1988; Louisiana Natural Resources Conservation Service (NRCS) State Office Conservation Service, USGS 12 Digit Watershed data, 2008; U.S. Geological Survey, Water Supply Paper 2294, Hydrologic Unit Maps 1994.
Wetlands	NOAA 2005 Landcover; NRCS West Baton Rouge Parish Soil Survey, 1977; NRCS East Baton Rouge Parish Soil Survey, 1968; NRCS Iberville Parish Soil Survey, 1977; NRCS Ascension Parish Soil Survey, 1978; NRCS Livingston Parish Soil Survey, 1993; NRCS online Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/); National and State Hydric Soil database (http://soils.usda.gov/use/hydric/); Louisiana Department of Wildlife and Fisheries, 2005. Comprehensive Wildlife Conservation Strategy.
Threatened & Endangered Species	U. S. Fish and Wildlife Service Louisiana Department of Wildlife and Fisheries, Louisiana Natural Heritage Program Louisiana Department of Wildlife and Fisheries, Louisiana Natural Heritage Program, Rare Species and Habitats by Parish
Waste Sites	USEPA - National Priority List (NPL) LDEQ CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Sites Resource Conservation and Recovery Information System (RCRIS) database Solid Waste Facilities: LDEQ Landfills: LDEQ sanitary land fills and industrial landfills list State Hazardous Waste Sites: LDEQ/Remedial Services Division LUST Sites: LDEQ Active Facilities: LDEQ EDMS Oil and Gas Wells and Registered Oil and Gas Pits: LDNR



Previous Cultural Resource Studies by Unit

North Unit - Previous Cultural Resource Studies			
Section	Report Number	Title	Author (Date)
N2	22-0023	State of Louisiana, Department of Highways, Intradepartmental Correspondence in Reference to State Project Nos. 19-02-22, 19-02-24	Rivet (1976)
N11, N12	22-0268	State of Louisiana, Department of Highways, Intradepartmental Correspondence in Reference to State Project No. 700-08-36	Rivet (1974)
N8, N10	22-0362	An Archaeological Survey of the Proposed Sewerage System Improvements in Sewer Districts 1 and 2, Livingston Parish, LA	Byrd (1978)
N11, N12	22-0797	The Cultural Resources Along Louisiana Highway 16 Between Watson and Amite: The Intensive Survey	Servello (1982)
N10, N12, N13, N14	22-0919	Cultural Resources Investigations Along Route La. 16 Between Watson and Amite	Kisatchie Regional Environmental Management Group (1982, 1984)
N3	22-1148	A Cultural Resources Survey of Beaver Bayou, East Baton Rouge Parish, Louisiana	Bryant (1985)
N10	22-1467	Literature Search and Research Design Amite River and Tributaries Project Ascension, East Baton Rouge, Louisiana	Goodwin, Hinks, Athens, Hewitt, and
N2	22-1668	Cultural Resources Survey of Exxon Pipeline Company's Proposed Pipeline Route, East Baton Rouge Parish and East Feliciana Parishes, Louisiana	Perrault (1993)
N3, N8	22-2467	Greenwell Springs Road Widening From Sullivan Road to Indian Mound Cultural Resources Investigations, East Baton Rouge Parish, Louisiana State Project Nos. 254-02-0039 and 254-02-0040	LeBoeuf and Hahn (2002)
N2	22-2683a	Cultural Resources Survey of the Bengal Pipeline Route in the Mississippi River Valley, Louisiana	Skinner and Craver (2004)
N2	22-2683b	Cultural Resources Survey of the Bengal Pipeline Route in the Mississippi River Valley, Louisiana	Durio and Calvit (2005)
N6	22-2989	Historic and Archaeological Investigation of Reported Human Graves in the Proposed Expanded Right-of-Way of Comite Drive, Baker, East Baton Rouge Parish	Shuman (2008)
N1, N2	22-3157	An Archaeological Survey of the Portions of the Proposed Denbury Onshore, LLC - 24 inch CO ₂ Pipeline Project: USACE New Orleans District Section	Crow, Kauk, King and Maas (2009)



South Unit - Previous Cultural Resource Studies			
Section	Report Number	Title	Author (Date)
S13	22-0090	Cultural Resource Survey of the Pontchartrain Levee District Levee Enlargement and Concrete Slope Pavement, Item M-227 to 218-L	Shenkel (1976)
S12	22-0281	State of Louisiana, Department of Highways, Intradepartmental Correspondence in Reference to State Project No. 50-06-37	Rivet (1974)
S13	22-0374	An Archaeological Survey of the Proposed Sewerage System for the Town of Addis, West Baton Rouge Parish, Louisiana	Neuman (1978)
S12	22-0853	An Archaeological Survey of the Proposed Plaquemine Bend Revetment (M-204.9 to 201-R), Iberville Parish, Louisiana	Stuart and Greene (1983)
S12	22-0955	An Archaeological Survey of the Proposed St. Gabriel Levee Project (M-206.5 to 198.5-L) Iberville Parish, LA	Shafer, Clemensen, and Rhodes (1984)
S5, S6, S7	22-1021	Cultural Resource Survey: Louisiana Section of Proposed Pipeline Corridor from Weeks Island to Mississippi Border	McIntire (1981)
S5, S7, S8, S9, S10, S11	22-1188	A Level I Cultural Resources Survey of Proposed Telephone Cable Routes in Ascension and Livingston Parishes, Louisiana	Coastal Environments, Inc. (1987)
S11	22-1210	A Cultural Resources Survey of a Proposed 24-Inch Diameter United Gas Pipe Line Company Pipeline in Ascension, St. Charles, St. James, and St. John the Baptist Parishes, Louisiana.	Heartfield, Price, and Greene, Inc. (1987)
S12	22-1352	Cultural Resources Survey of Three Iberville Parish Levee Enlargement and Revetment Construction Items	Goodwin, Bruce, Hewitt, and Harris (1993)
S14	22-1442	Cultural Resources Survey of Missouri Bend and Plaquemine Bend Revetment Items, West Baton Rouge and Iberville Parishes.	Goodwin, Hinks, Athens, Wojtala, Armstrong, Cohen, McClay, and Morgan (1993)
S13	22-1468	A Cultural Resources Survey of Arlington Revetment and LSU Berm Levee Improvement Item, East Baton Rouge Parish, Louisiana	Jones, Mossa, Smith, Banta, Treffinger, Wiedenfeld, and Yakubik (1993)
S13	22-1660	Underwater Cultural Resources Survey for Contraction Dikes at Red Eye Crossing, Mississippi River, Baton Rouge to the Gulf of Mexico, Louisiana	Irion, Smith, Beard, and Heinrich (1993)
S3, S4, S7, S6, S9, S10, S12	22-1775	Cultural Resources Survey of the Proposed Route of a Liquid Hydrogen Pipeline in Ascension, East Baton Rouge, Iberville, and West Baton Rouge Parishes, Louisiana	Shuman, Jones, Wiedenfeld, and Lindemuth (1995)
S11	22-1926	A Cultural Resources Survey from Sorrento, Louisiana to Mont Belvieu, Texas	Skinner, Whorton, and Trask (1995)
S11	22-2017	Phase I Cultural Resources Survey of Portions of a Proposed Railroad Line in Ascension Parish, Louisiana	Shuman, Jones, Wiedenfeld, and Lindemuth (1997)
S3, S4, S6, S7	22-2161	Cultural Resources Survey of the Proposed Route of a Pipeline in Ascension, East Baton Rouge, Iberville, St. James, and West Baton Rouge Parishes, Louisiana	Jones, Shuman, Wells, and Goodwin (1998)
S3, S4	22-2254	A Phase I Cultural Resources Survey at the Woodstock Plantation Site (16EBR35) and Other Portions of the University Club Golf Course and Residential Community, East Baton Rouge Parish, Louisiana.	Jones, Shuman, Wells, and Goodwin (2000)
S12	22-2266	Cultural Resources Evaluation of the Lower Atchafalaya Backwater Area, South Louisiana	Kelley, Wells, Bowker-Lee, Weinstein, and
S13	22-2384	Phase I Cultural Resources Survey of the proposed Location of the Addis Cogeneration Facility, Addis, West Baton Rouge Parish, Louisiana.	Jones and Shuman (2001)
S12	22-2456	Intensive Cultural Resources Survey of Proposed DOW Pipeline Project, Assumption and Iberville Parishes, Louisiana	Smith, Gordon, Weed, Wilson, Gray, and Godzinski (2001)
S3, S7, S9, S11	22-2683a	Cultural Resources Survey of the Bengal Pipeline Route in the Mississippi River Valley, Louisiana	Skinner and Craver (2004)
S3, S7, S9, S11	22-2683b	Cultural Resources Survey of the Bengal Pipeline Route in the Mississippi River Valley, Louisiana	Durio and Calvit (2005)
S4, S12	22-2972	Cultural Resources Reconnaissance of the Proposed Location of a Cellular Communications Tower, St. Gabriel, Iberville Parish, Louisiana	Shuman (2007)
S12, S13	22-2977	Phase I Cultural Resources Survey for a Proposed Louisiana Aromatix 8-Inch Pipeline, West Baton Rouge and Iberville Parishes, Louisiana	Hunter (2007)
S3	22-3087	Phase I Cultural Resources Investigation of the Proposed Pinnacle Hotel - Casino Site, River Road at Gardere Lane, East Baton Rouge Parish, Louisiana	Hunter (2008)



East Unit - Previous Cultural Resource Studies			
Section	Report Number	Title	Author (Date)
E1	22-0011	The Big Three Industries Corridor - Geismar to Norco: Louisiana	Price (1977)
E7 & E9	22-0919	Cultural Resources Investigations Along Route La. 16 Between Watson and Amite	Environmental Management Group (1982, 1984)
E1	22-1018	Cultural Resources Investigations of a Proposed United Gas Pipeline Replacement in East Baton Rouge and Ascension Parishes, Louisiana	Heartfield, Price and Greene, Inc. (1985)
E7, E10	22-1021	Cultural Resource Survey: Louisiana Section of Proposed Pipeline Corridor from Weeks Island to Mississippi Border	McIntire (1981)
E1, E2, E3, E5, E6, E7, E9, E10	22-1188	A Level I Cultural Resources Survey of Proposed Telephone Cable Routes in Ascension and Livingston Parishes, Louisiana	Coastal Environments, Inc. (1987)
E1, E2, E3, E5, E7, E9, E10	22-1467	Literature Search and Research Design Amite River and Tributaries Project Ascension, East Baton Rouge, and Livingston Parishes, Louisiana	Goodwin, Hinks, Athens, Hewitt, and Morgan (1990)
E1	22-2017	a Proposed Railroad Line in Ascension Parish, Louisiana	Wiedenfeld, and Lindemuth (1997)



Cultural Resource References Cited

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1987, A Level 1 Cultural Resources Survey of Proposed Telephone Cable Routes in Ascension and Livingston Parishes, Louisiana. Report No. 22-1188, on file, Division of Archaeology, Baton Rouge, Louisiana.
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2009, Phase I Cultural Resources Investigation, Air Products and Chemicals, Inc. (APCI), Addis to Port Allen 17-Mile Long Hydrogen Pipeline Project, Iberville and West Baton Rouge Parishes, Louisiana. On file, Division of Archaeology, Baton Rouge, Louisiana.



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1987, A Cultural Resources Survey of a Proposed 24-Inch Diameter United Gas Pipe Line Company Pipeline in Ascension, St. Charles, St. James, and St. John The Baptist Parishes, Louisiana. Report No. 22-1210, on file, Division of Archeology, Baton Rouge, Louisiana.
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2007, Phase I Cultural Resources Survey for a Proposed Louisiana Aromatix 8-Inch Pipeline, West Baton Rouge Parish and Iberville Parishes, Louisiana. Report No. 22-2977, on file, Division of Archaeology, Baton Rouge, Louisiana.

2008 Phase I Cultural Resources Investigation of the Proposed Pinnacle Hotel – Casino Site, River Road at Gardere Lane, East Baton Rouge Parish, Louisiana - Management Summary. Report No. 22-3087, on file, Division of Archaeology, Baton Rouge, Louisiana.
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- Jones, D., M. Shuman, T. Wells, and B. Goodwin
1998, Cultural Resources Survey of the Proposed Route of a Pipeline in Ascension, East Baton Rouge, Iberville, St. James, and West Baton Rouge Parishes, Louisiana. Report No. 22-2161 file, Division of Archaeology, Baton Rouge, Louisiana.

2000, A Phase I Cultural Resources Survey at the Woodstock Plantation Site (16EBR35) and Other Portions of the University Club Golf Course and Residential Community, East Baton Rouge Parish, Louisiana. Report No. 22-2254, on file, Division of Archaeology, Baton Rouge, Louisiana.
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- Kisatchie Regional Environmental Management Group, Inc.
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2008, Phase I Cultural Resource Assessment Proposed Cellular Tower Site – Bluff Road Section 28, Township 9 South – Range 2 East Ascension Parish, Louisiana. Report No. 22-3096, on file, Division of Archaeology, Baton Rouge, Louisiana.
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1977, A Cultural Resource Survey and Evaluation of the Big Three Industries Pipeline Corridor – Geismar to Norco: Louisiana. Report No. 22-11, on file, Division of Archaeology, Baton Rouge, Louisiana.
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2009, An Archaeological Survey of the Portions of the Proposed Denbury
Onshore, LLC - 24 inch CO2 Pipeline Project: USACE New Orleans
District Section. Report No. 22-3157 on file, Louisiana Division of
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Hydric Soil Descriptions

Sf – Sharkey clay

Sharkey clay is level, poorly drained in intermediate and lower positions of natural levees along the Atchafalaya and Mississippi Rivers and their distributaries. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.

Se – Sharkey silty clay loam

Sharkey silty clay loam is level, poorly drained soil mainly in intermediate and low positions on natural levees along the Atchafalaya and Mississippi Rivers and their distributaries. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture and a small acreage is in native woodland.

Sg – Sharkey clay

Sharkey clay is level, poorly drained in intermediate and lower positions of natural levees along the Atchafalaya and Mississippi Rivers and their distributaries. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.

CX – Convent and Robinsonville soils

Convent soils are somewhat poorly drained, moderately permeable soils that are formed in loamy alluvium. Robinsonville soils are level to gently sloping formed in loamy alluvium. The soils are well-drained soils with moderate to rapid permeability subject to frequent flooding along the floodplain of the Mississippi River. Most of acreage is used for cultivated crops or pasture.

Sb – Schriever clay

Schriever clay consists of very deep, poorly drained in clayey alluvium. These soils are on lower positions of natural levees and backwater positions on the lower Mississippi River alluvial plain. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.



Gr – Gramercy silty clay loam

Gramercy silt clay loam consists of very deep, poorly drained soils formed over fine-silty alluvium. The soil is very slowly permeable subject to flooding along the lower parts of natural levees of the Mississippi River. Most of acreage is used for cultivated crops or pasture.

Cg – Carville and Robinsonville soils

Carville soils are somewhat poorly drained, moderately permeable soils that are formed in recent loamy alluvium. Robinsonville soils are level to gently sloping formed in loamy alluvium. The soils are well-drained soils with moderate to rapid permeability subject to frequent flooding along the floodplain of the Mississippi River. Most of acreage is used for cultivated crops or pasture.

Sd – Schriever clay

Schriever clay consists of very deep, poorly drained in clayey alluvium. These soils are on lower positions of natural levees and backwater positions on the lower Mississippi River alluvial plain. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.

FA – Fausse association

Fausse association consists of very deep, poorly drained in clayey alluvium. These soils are on lower positions of natural levees in ponded backwater areas on the lower Mississippi River alluvial plain. Water and air move at a very slow rate through this soil. Most of acreage is used for timber and wildlife habitat.

Ca – Calhoun silt loam

Calhoun silt loam consists of very deep, poorly drained soils formed over fine-silty alluvium. The soil is very slowly permeable subject to flooding along the lower parts of natural levees of the Mississippi River. Most of acreage is used for pasture and woodland.

Sc – Sharkey clay

Sharkey clay is level, poorly drained in intermediate and lower positions of natural levees along the Atchafalaya and Mississippi Rivers and their distributaries. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.

Sa – Sharkey silty clay loam

Sharkey silty clay loam is nearly level, poorly drained in intermediate and lower positions of natural levees along the Atchafalaya and Mississippi Rivers and their distributaries. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.



CRC – Convent and Robinsonville soils

Convent soils are somewhat poorly drained, moderately permeable soils that are formed in loamy alluvium. Robinsonville soils are level to gently sloping formed in loamy alluvium. The soils are well-drained soils with moderate to rapid permeability subject to frequent flooding along the floodplain of the Mississippi River. Most of acreage is used for cultivated crops or pasture.

SeA – Schriever clay

Schriever clay consists of very deep, poorly drained in clayey alluvium. These soils are on lower positions of natural levees and backwater positions on the lower Mississippi River alluvial plain. Water and air move at a very slow rate through this soil. Most of acreage is used for cultivated crops or pasture.

Cumulative and Indirect Impact References

- Capitol Region Planning Commission. March 31, 2009. Transportation Improvement Program, Baton Rouge Metropolitan Planning Area, Fiscal Years 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013. Prepared in cooperation with the Baton Rouge Metropolitan Area Technical Advisory Committee, Louisiana Department of Transportation and Development, and Local Governments in the Transportation Management Area. Baton Rouge, Louisiana.
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Supporting Documents and Technical Reports

Traffic and Revenue Technical Memorandum (2010)
Preliminary Geotechnical Report (2010)
Phase 1A Cultural Resource Survey (2010)
Preliminary Cost Estimate Report (2010)
Overview Memorandum of the “Potential System-to-System Interchange Locations” (2010)
Maritime Pilots Institute (MPI) Navigation Modeling and Simulation Report (2010)
Seaman’s Church Institute (SCI) Navigation Modeling and Simulation Report (2010)
Public Meeting Report – February/March 2008
Public Meeting Report – March 2009
Public Meeting Report – January 2010

IMPLEMENTATION PLAN PHASE DOCUMENTS (JULY 2008)

- Implementation Plan Executive Summary
- Technical Memorandum No. 1: Corridors, Design Features, & Cost Estimates
- Technical Memorandum No. 2: Environmental Overview
- Technical Memorandum No. 3: Preliminary Traffic & Revenue Analyses
- Technical Memorandum No. 4: Preliminary Finance Assessment
- Technical Memorandum No. 5: Processes & Mechanisms for Implementation
- Technical Memorandum No. 6: Public & Agency Outreach

A Project Technical File with the support technical documents is located at HNTB Corporation, 9100 Bluebonnet Centre Boulevard, Suite 301, Baton Rouge, LA 70809. The Technical File is open for review by appointment Tuesday, Wednesday, and Thursday from 9am to 4pm. Copies of the documents are available for a nominal fee payable in cash. Call Suzanne McCain at 225 368-2800 to schedule an appointment.