

APPENDIX A
AGENCY CORRESPONDENCE

Clearinghouse Comment Request Project Summary Worksheet

Project Name: <i>Widening of LA 28 East SPN 700-40-0145 (H.004825.2) Rapides Parish</i>	Submitting Agency: <i>Louisiana Department of Transportation and Development</i>	
Date Submitted: <i>January 15, 2013</i>	Address: <i>PO Box 94245, Baton Rouge, LA 70804</i>	
Project Start to End Dates: <i>Study dates 12/18/12 to 12/18/13</i>	Contact Person: <i>Kerry Oriol/ Consultant PM</i>	Email: <i>kerryoriol@providenceeng .com</i>
Areas Affected by Project: <i>LA 28 from LA 3128 (Libuse) to LA 1207 (Holloway)</i>	Phone: <i>225.766.7400</i>	Fax: <i>225.766.7440</i>

Estimated Funding		Projected Budget			
Federal	\$ <i>TBD</i>	Construction (from SF 424C)		Non-Construction (from SF 424A)	
State	\$ <i>TBD</i>	Admin/Legal	\$	Personnel	\$
Total	\$ <i>TBD</i>	Land/ROW		Fringe	\$
Nature of match:		Relocation	\$	Travel	\$
		Arch/Eng.	\$	Equipment	\$
		Other A&E	\$	Supplies	\$
Use of proceeds/description of purpose:		Project Inspection	\$	Contractual	\$
		Site Work	\$	Construction	\$
		Demolition	\$	Other	\$
Intended deliverables/outcomes: <i>An Environmental Assessment that selects the best option for widening LA 28 between Libuse and Holloway.</i>		Construction	\$	Subtotal Direct	\$
		Equipment	\$	Indirect	\$
		Misc.	\$	Totals	\$ <i>TBD</i>
		Cont	\$		
Other pertinent information: <i>Project is in planning and environmental stage of DOTD Project Delivery Process. Cost and funding data will be developed as the project moves forward.</i>		Total	\$ <i>TBD</i>	Program Income	\$
		Program Income	\$		

Any attachments? Describe.

maps
 photos
 SF 424
 Grant Application Excerpts

Use additional pages only as necessary for project clarification. May be completed in legible hand-script



BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY
JIMMY L. ANTHONY
ASSISTANT SECRETARY

Date January 18, 2013

Name Kerry Oriol

Company Providence

Street Address 1201 Main Street

City, State, Zip Baton Rouge, LA 70802

Project State Rproject No. 700-40-0145
Widening of LA 28 East

Project ID 152013

Invoice Number 13011805

Personnel of the Habitat Section of the Coastal & Nongame Resources Division have reviewed the preliminary data for the captioned project. After careful review of our database, no impacts to rare, threatened, or endangered species or critical habitats are anticipated for the proposed project. No state or federal parks, wildlife refuges, scenic streams, or wildlife management areas are known at the specified site within Louisiana's boundaries.

The Louisiana Natural Heritage Program (LNHP) has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the state of Louisiana. Heritage reports summarize the existing information known at the time of the request regarding the location in question. The quantity and quality of data collected by the LNHP are dependent on the research and observations of many individuals. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Louisiana have not been surveyed. This report does not address the occurrence of wetlands at the site in question. Heritage reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. LNHP requires that this office be acknowledged in all reports as the source of all data provided here. If at any time Heritage tracked species are encountered within the project area, please contact the LNHP Data Manager at 225-765-2643. If you have any questions, or need additional information, please call 225-765-2357.

Sincerely,

for 
Amity Bass, Coordinator
Natural Heritage Program



BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY
JIMMY L. ANTHONY
ASSISTANT SECRETARY

INVOICE

RETAIN THIS COPY FOR YOUR RECORDS

Date	January 18, 2013
Invoice Number	13011805
Project	State Rproject No. 700-40-0145 Widening of LA 28 East
Name	Kerry Oriol
Company	Providence
Street Address	1201 Main Street
City, State, Zip	Baton Rouge, LA 70802
Number of Quads Reviewed	1
Total Due	\$0.00

Payment should be made to "Louisiana Department of Wildlife & Fisheries" within 30 days of the date of this invoice. Please include the invoice number on your check and return a copy of this invoice with your remittance to the following address:

Louisiana Department of Wildlife & Fisheries
Attn: Jennifer Riddle
P.O. Box 80399
Baton Rouge, LA 70898-0399

Should you have any questions regarding this invoice, for review of the Louisiana Natural Heritage database for information on known sensitive elements at a charge of \$30.00 per quad reviewed, please contact LNHP at (225) 765-2357.

United States Department of Agriculture



Natural Resources Conservation Service
3737 Government Street
Alexandria, LA 71302

(318) 473-7751
Fax: (318) 473-7626

January 22, 2013

Noel Ardoin
DOTD
P.O. Box 94245
Baton Rouge, LA 70804-9245

RE: Widening of LA28 East LA 3128 (Lubuse) to LA 1207 (Holloway)
Rapides Parish – State Project No.: H.004825

Dear Mr. Noel:

I have reviewed the above referenced project for potential requirements of the Farmland Protection Policy Act (FPPA) and potential impact to Natural Resource Conservation Service projects in the immediate vicinity.

Projects are subject to FPPA requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a federal agency or with assistance from a federal agency. For the purpose of FPPA, farmland includes prime farmland, unique farmland, and land of statewide or local importance. Farmland subject to FPPA requirements can be forest land, pastureland, cropland, or other land, but not water or urban built-up land.

The project map submitted with your request indicates that the proposed construction areas will not impact prime farmland and therefore is exempt from the rules and regulations of the Farmland Protection Policy Act (FPPA) - Subtitle I of Title XV, Section 1539-1549. Furthermore, we do not predict impacts to NRCS work in the vicinity.

For specific information about the soils found in the project area, please visit our Web Soil Survey at the following location: <http://websoilsurvey.nrcs.usda.gov/>

Please direct all future correspondence to me at the address shown above.

Respectfully,

A handwritten signature in blue ink, appearing to read "Kevin D. Norton".

ACTING FOR

Kevin D. Norton
State Conservationist



FEMA

**Region VI
Federal Insurance and Mitigation Administration**

Public Notice Review

Re: Widening of LA 28 East
State Project # 700-40-0145 (H.004825)
Rapides Parish

We offer the following comments:

Please contact Melissa Becker, the Rapides Parish Floodplain Administrator (phone number 318-487-5401) for Floodplain Development Permit requirements.

Reviewer Tamara Hansen, CFM

Date: 1/22/2013

If further information is required, please write to the address above or call (940) 383-7322.



DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS
4155 CLAY STREET
VICKSBURG, MISSISSIPPI 39183-3435

REPLY TO
ATTENTION OF:

January 23, 2013

Regional Planning and
Environment Division South
Quality Controls and
Administration

Ms. Kerry Oriol
Providence
1201 Main Street
Baton Rouge, Louisiana 70802

Dear Mr. Mannie:

I refer to Mr. Noel Ardoin's letter of January 15, 2013, regarding the widening of LA 28 East in Rapides Parish, Louisiana (State Project No. 700-40-0145 (H.004825)). The U.S. Army Corps of Engineers, Vicksburg District, has no ongoing or proposed activities in the project area.

If your proposed work involves the discharge of dredged or fill material into wetlands or any other waters of the United States, you may need a Department of the Army permit prior to construction. For further information, please visit our website at <http://www.mvk.usace.army.mil/offices/od/odf> or contact Mr. David Lofton (telephone (601) 631-5417).

I trust this information meets your needs. If you have any further questions, please contact Mr. Brian LaBarre of this office (telephone (601) 631-5437).

Sincerely,

A handwritten signature in cursive script, reading "Patricia R. Hemphill".

Patricia R. Hemphill, P.E.
Assistant Chief, Programs
and Project Management Division



JAY DARDENNE
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT

CHARLES R. DAVIS
DEPUTY SECRETARY

PAM BREAU
ASSISTANT SECRETARY

January 24, 2013

Noel Ardoin
Environmental Engineer Administrator
LDOTD
P.O. Box 94245
Baton Rouge, LA 70804-9245

Re: Section 106 Review
Requested Additional Information
State Project No. H.004825
Proposed Widening of LA 28 East
Rapides Parish, LA

Dear Ms. Ardoin:

Thank you for your letter of January 15, 2013, concerning the above-referenced undertaking. We are unable to complete the Section 106 review at this time due to the submittal of insufficient documentation as required by the Section 106 Regulations (36 CFR 800). We will need the following information to complete our review for the aforementioned project:

- Name of federal agency, agency involvement (Funding, license/permit, etc. and description of the undertaking (Detailed description of project).
- Applicant contact information (Name, address, phone number and email address).
- Agency contact information (Name, address, phone number and email address).
- Description of the Area of Potential Effects (APE). The APE can be direct or indirect. It is defined as "the geographic area or areas within which an undertaking may cause changes in the character or use of historic properties, if any such properties exist." (Include the latitude/longitude of the undertaking location and APE)
- Description of all historic properties within and adjacent to the APE. The historic standing structure is any structure fifty years of age and older. Under Section 106, it is the responsibility of the federal agency or its designee to identify all structures listed or eligible for listing in the National Register of Historic Places

Noel Ardoin
January 24, 2013
Page 2

- Detailed project scope of work including design plans.
- Map and site plan showing APE and exact location of project undertaking.

- Photographs of the entire APE and project location. Photographs of all historic structures (fifty years of age and older) within the APE. Buildings should be documented showing diagonal views of front and side and rear and opposite side of the building. All photos should be keyed to a site map and project plans if applicable.

If you have any questions, please contact Mike Varnado in the Division of Historic Preservation at (225) 219-4596 or mvarnado@crt.la.gov.

Sincerely,



Pam Breaux
State Historic Preservation Officer

PB:MV:s



BOBBY JINDAL
GOVERNOR

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

P.O. Box 94245
Baton Rouge, Louisiana 70804-9245

www.dotd.la.gov
(225) 242-4502



SHERRILL LEBAS, P.E.
SECRETARY

RECEIVED
JAN 17 2013

January 15, 2013

This project has been reviewed for effects to Federal trust resources under Federal jurisdiction and currently protected by the Species Act of 1973 (Act). The project, as proposed, () will have no effect on those resources () is not likely to adversely affect FISH & WILDLIFE SERVICES. This finding fulfills the requirement of Section 7(a)(2) of the Act.

STATE PROJECT NO: 700-40-0145 (H.004825)
WIDENING OF LA 28 EAST
LA 3128 (LIBUSE) TO LA 1207 (HOLLOWAY)
RAPIDES PARISH

Robert A Fuller
Acting Supervisor
Louisiana Field Office
U.S. Fish and Wildlife Service
Date: Jan 30, 2013

SUBJECT: Solicitation of Views

Early in the planning stages of a transportation facility, views from federal, state and local agencies, organizations, and individuals are solicited. The special expertise of these groups can assist the Louisiana Department of Transportation and Development (DOTD) with the early identification of potentially economic, social, or environmental effects associated with project development. Your assistance in this effort is appreciated.

Under contract to DOTD, Providence is preparing an Environmental Assessment (EA) for the widening of Louisiana Highway (LA) 28 East from Libuse (LA 3128) to Holloway (LA 1207) The Feasibility Study and Environmental Inventory for the proposed project were completed in April 2010. The construction limits remain the same as that originally presented during the Feasibility Study; however, the project's logical termini have changed. The eastern logical terminus now extends to United States Highway (US) 84, which will allow the EA to include an assessment of potential engineering and environmental issues along LA 28 from the end of construction at LA 1207 east to US 84 in Catahoula Parish.

To assist in your review and comment, a project description and a map identifying the study area are attached. We request that you review the attached information and provide us with your views and comments by February 18, 2013. All comments should be addressed to:

Kerry Oriol
LA 28 Widening East c/o Providence
1201 Main Street
Baton Rouge, LA 70802
Fax: 225.766.7440
e-mail: kerryoriol@providenceeng.com

Please refer to State Project No. 700-40-0145 (H.004825) in your reply

Thank you for your input regarding the proposed project. Should you have any questions regarding this request, please contact Kerry Oriol, the consultant project manager at Providence, at (225) 766-7400.

SITE MAY CONTAIN WETLANDS
Contact the U.S. Army Corps of Engineers
for a jurisdictional determination.

Sincerely,

Noel Ardoin
Environmental Engineer Administrator

District: New Orleans, LA

Telephone No. 504-862-2274
Attachments



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

February 1, 2013

Ms. Noel A. Ardoin
Environmental Engineer Administrator
LA DOTD
P.O. Box 94245
Baton Rouge, LA 70804-9245

Dear Ms. Ardoin:

We have received your January 15, 2013, letter requesting our evaluation of the potential environmental impacts which might result from the following project:

**Widen LA 28 East from
LA 3128 to LA 1207
STP No. 700-40-0145 (H.004825)
Rapides Parish, Louisiana**

The project, proposed for financial assistance through the Louisiana Department of Transportation and Development is located on the Chicot aquifer system which has been designated a sole source aquifer by the EPA. Based on the information provided for the project, we have determined that the project, as proposed, should not have an adverse effect on the quality of the ground water underlying the project site.

This approval of the proposed project does not relieve the applicant from adhering to other State and Federal requirements, which may apply. This approval is based solely upon the potential impact to the quality of ground water as it relates to the EPA's authority pursuant to Section 1424(e) of the Safe Drinking Water Act.

If you did not include the Parish; a legal description; project location and the latitude and longitude if available, please do so in future Sole Source Aquifer correspondence.

If you have any questions on this letter or the sole source aquifer program please contact me at (214) 665-7133.

Sincerely yours,

A handwritten signature in blue ink that reads "Michael Bechdol".

Michael Bechdol, Coordinator
Sole Source Aquifer Program
Ground Water/UIC Section

cc: Jesse Means, LDEQ

Amie Haggemacher

From: Beth Altazan-Dixon <Beth.Dixon@LA.GOV>
Sent: Friday, February 01, 2013 11:26 AM
To: Noel Ardoin; Kerry Oriol
Subject: DEQ SOV 700-40-0145/0230 Widening of LA 28 East-LA 3128 to LA 1207

February 1, 2013

Noel Ardoin, Environmental Engineering Administrator
LA DOTD
PO Box 94245
Baton Rouge, LA 70804-9245
Noel.Ardoin@la.gov
kerryoriol@providenceeng.com

RE: 700-40-0145/0230 Widening of LA 28 East-LA 3128 to LA 1207
H.004825 LADOTD Funding
Rapides Parish

Dear Ms. Ardoin:

The Department of Environmental Quality (LDEQ), Business and Community Outreach Division has received your request for comments on the above referenced project.

After reviewing your request, the Department has no objections based on the information provided in your submittal. However, for your information, the following general comments have been included. Please be advised that if you should encounter a problem during the implementation of this project, you should immediately notify LDEQ's Single-Point-of-contact (SPOC) at (225) 219-3640.

- Please take any necessary steps to obtain and/or update all necessary approvals and environmental permits regarding this proposed project.
- If your project results in a discharge to waters of the state, submittal of a Louisiana Pollutant Discharge Elimination System (LPDES) application may be necessary.
- If the project results in a discharge of wastewater to an existing wastewater treatment system, that wastewater treatment system may need to modify its LPDES permit before accepting the additional wastewater.
- All precautions should be observed to control nonpoint source pollution from construction activities. LDEQ has stormwater general permits for construction areas equal to or greater than one acre. It is recommended that you contact the LDEQ Water Permits Division at (225) 219-9371 to determine if your proposed project requires a permit.
- If your project will include a sanitary wastewater treatment facility, a Sewage Sludge and Biosolids Use or Disposal Permit application or Notice of Intent must be submitted no later than January 1, 2013. Additional information may be obtained on the LDEQ website at <http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx> or by contacting the LDEQ Water Permits Division at (225) 219- 9371.
- If any of the proposed work is located in wetlands or other areas subject to the jurisdiction of the U.S. Army Corps of Engineers, you should contact the Corps directly regarding permitting issues. If a Corps permit is required, part of the application process may involve a water quality certification from LDEQ.
- All precautions should be observed to protect the groundwater of the region.
- Please be advised that water softeners generate wastewaters that may require special limitations depending on local water quality considerations. Therefore if your water system improvements include water softeners, you are advised to contact the LDEQ Water Permits to determine if special water quality-based limitations will be necessary.
- Any renovation or remodeling must comply with LAC 33:III.Chapter 28, Lead-Based Paint Activities; LAC 33:III.Chapter 27, Asbestos-Containing Materials in Schools and State Buildings (includes all training and accreditation); and LAC 33:III.5151, Emission Standard for Asbestos for any renovations or demolitions.

- If any solid or hazardous wastes, or soils and/or groundwater contaminated with hazardous constituents are encountered during the project, notification to LDEQ's Single-Point-of-Contact (SPOC) at (225) 219-3640 is required. Additionally, precautions should be taken to protect workers from these hazardous constituents.

Currently, Rapides Parish is classified as attainment with the National Ambient Air Quality Standards and has no general conformity determination obligations.

Please send all future requests to my attention. If you have any questions, please feel free to contact me at (225) 219-3958 or by email at beth.dixon@la.gov.

Sincerely,



Beth Altazan-Dixon, EPS III
Performance Management
LDEQ/Office of the Secretary
Business and Community Outreach and Incentives Division
P.O. Box 4301 (602 N. 5th Street)
Baton Rouge, LA 70821-4301
Phone: 225-219-3955
Fax: 225-325-8148
Email: beth.dixon@la.gov



BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF CONSERVATION

STEPHEN CHUSTZ
INTERIM SECRETARY

JAMES H. WELSH
COMMISSIONER OF CONSERVATION

February 8, 2013

TO: Ms. Kerry Oriol
LA 28 WIDENING EAST
c/o Providence
1201 Main Street
Baton Rouge, Louisiana 70802

RE: SOLICITATION OF VIEWS
STATE PROJECT NO. 700-40-0145 (H.004825)
NAME: WIDENING OF LA 28 EAST
ROUTE: LA 3128 (LIBUSE) TO LA 1207 (HOLLOWAY)
PARISH: RAPIDES

Dear Ms. Oriol:

In response to your letter dated January 15, 2013, concerning the referenced matter, please be advised that the Office of Conservation collects and maintains many types of information regarding oil and gas exploration, production, distribution, and other data relative to the petroleum industry as well as related and non-related injection well information, surface mining and ground water information and other natural resource related data. Most information concerning oil, gas and injection wells for any given area of the state, including the subject area of your letter can be obtained through records search via the SONRIS data access application available at:

<http://www.dnr.louisiana.gov>

A review of our computer records for the referenced project area indicates there are no injection wells located within or adjacent to the project area, but there are oil and gas wells located within or adjacent to the project area. The DNR water well database indicates that there are registered water wells in the vicinity of the area. However, unregistered water wells may also be located in the area.

The Office of Conservation maintains records of all activities within its jurisdiction in paper, microfilm or electronic format. These records may be accessed during normal business hours, Monday through Friday, except on State holidays or emergencies that require the Office to be closed. Please call 225-342-5540 for specific contact information or for directions to the Office of Conservation, located in the LaSalle Building, 617 North Third Street, Baton Rouge, Louisiana. For pipelines and other underground hazards, please contact Louisiana One Call at 1-800-272-3020 prior to commencing operations. Should you need to direct your inquiry to any of our Divisions, you may use the following contact information:

<u>Division</u>	<u>Contact</u>	<u>Phone No.</u>	<u>E-mail Address</u>
Engineering	Jeff Wells	225-342-5638	jeff.wells@la.gov
Pipeline	Steven Giambrone	225-342-2989	steven.giambrone@la.gov
Injection & Mining	Laurence Bland	225-342-5515	laurence.bland@la.gov
Geological	Mike Kline	225-342-3335	mike.kline@la.gov
Environmental	Gary Snellgrove	225-342-7222	gary.snellgrove@la.gov

If you have difficulty in accessing the data via the referenced website because of computer related issues, you may obtain assistance from our technical support section by selecting Help on the SONRIS tool bar and submitting an email describing your problems and including a telephone number where you may be reached.

Sincerely,



James H. Welsh

Commissioner of Conservation

AR

JHW:MBK



Choctaw Nation of Oklahoma

P.O. Box 1210 • Durant, OK 74702-1210 • (580) 924-8280

Gregory E. Pyle
Chief

Gary Batton
Assistant Chief

February 12, 2012

Noel Ardoin
State of Louisiana
Department of Transportation and Development
P.O. Box 94245
Baton Rouge, LA 70804-9245

RE: LA DOT, State Project No. H.004825, Widening of LA 28 East, Rapides Parish, LA

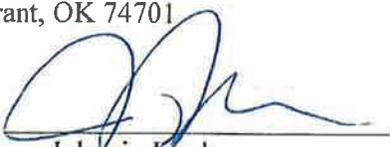
Dear Mr. Ardoin,

Thank you for your correspondence regarding the above referenced project. Rapides Parish is within the historic area of interest to the Choctaw Nation of Oklahoma. Please provide our office with a copy of the cultural resource survey and any SHPO comments that have been received for the proposed project, as well as information on the proposed alternatives. Also we request your official finding based on your background research as to whether there are "No historic properties", "No Effect" to historic properties, "No Adverse Effect" to historic properties, or "Adverse Effect" to historic properties within the APE for this project. Please feel free to contact me with any questions or concerns.

Sincerely,

Dr. Ian Thompson
Director, Historic Preservation Department
Tribal Archaeologist, NAGPRA Specialist
Choctaw Nation of Oklahoma
PO Drawer 1210
Durant, OK 74701

By:


Johnnie Jacobs
Section 106 Coordinator



Rapides Soil and Water Conservation District

3734 Government Street
USDA Building "C"
Alexandria, LA 71302

SHREVEPORT LA 700

05 MAR 2015 11:12 L



Kerry Oriol
LA 28 Widening East c/o Providence
1201 Main Street
Baton Rouge, LA 70802



7080246601





Rapides Soil and Water Conservation District

3734 Government Street, USDA Building "C", Alexandria, LA 71302 – Telephone (318) 473-7856

Board of Supervisors

MAX C. JOHNSTON
3815 Maywood
Alexandria, LA 71302

BRUCE BROWN
11267 Hwy 71
Cheneyville, LA 71325

RICHARD J. MELDER
71 Gunter Road
Pineville, LA 71360

LARRY GILLESPIE
20 A. Smith Road
Elmer, LA 71424

JIM T. HARPER
PO Box 346
Cheneyville, LA 7132

26 February 2013

Kerry Oriol
LA 28 Widening East c/o Providence
1201 Main Street
Baton Rouge, LA 70802

SUBJECT: State Project No: 700-40-0145 (H.004825)

Dear Mr. Oriol,

The Rapides Soil & Water Conservation District (RSWCD) Board of Supervisors has received and reviewed the Solicitation of Views dated 15 January 2013 concerning the widening of Hwy. 28E from LA 3128 (Libuse) to LA 1207 (Holloway) at our monthly board meeting.

The RSWCD Board of Supervisors concurred unanimously that this project would greatly improve traffic flow in this area.

Sincerely,

Max C. Johnston
Chairman, RSWCD



BILLY NUNGESSER
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF CULTURAL DEVELOPMENT
DIVISION OF ARCHAEOLOGY

RENNIE S. BURAS, II
DEPUTY SECRETARY

PHIL BOGGAN
ASSISTANT SECRETARY

March 2, 2016

Noel Ardoin
Environmental Engineer Administrator
LDOTD Environmental Section
P.O. Box 94245
Baton Rouge, LA 70804-9245

Re: Draft Report
LA Division of Archaeology Report No. 22-5172
*Phase I Cultural Resources Survey for the Proposed Widening of Louisiana Highway 28
(LA 28), Libuse to Holloway, Rapides Parish, Louisiana (H.004825.2)*

Dear Mr. Ardoin:

We acknowledge receipt of your letter dated February 18, 2016 and two copies of the above-referenced report. We have completed our review of this report and have the following comments:

- Previous surveys 22-3122, 22-3622, and 22-4216 are located within one mile of the project area, but were left out of the discussion on previous investigations.
- The method of shovel testing areas of less than 85% surface visibility discussed in the second paragraph of page 6-1 does not meet the state standards for Phase I testing; however, the Figure 6-1 STP map shows a sufficient level of coverage for the project area. Please use caution if using this method in the future and know that only ground condition such as inundation, disturbance, and slope would preclude shovel testing.

In reference to historic standing structures, we concur with the report findings that Pacholik House, Tuma Store/Post Office and Outbuildings, Zmek House, Tuma House, and Czech/Bohemian Community Hall meet the criteria for listing in the National Register of Historic Places (NRHP). It is our opinion that all are eligible under Criterion A as a Multiple Property NRHP listing. The Czech/Bohemian Community Hall is eligible for listing in the NRHP as an individually listed property listing as well. Also, we concur with the report assessment that the Widening Project Alternatives 1 and 2 would have a direct Adverse Effect on the Pacholik House and Tuma Store/Post Office and Outbuildings and should be avoided.

In reference to the archaeological component of the survey, we concur that no historic properties will be impacted by this project and no further archaeological investigations are necessary.

We look forward to receiving two bound copies of the final report, along with a pdf of the report. If you have any questions in regards to the archaeological comments, please contact Paul French in the Division of Archaeology by email at pfrench@crt.la.gov or by phone at 225-342-8166. If you have any questions in regards to the standing structures comments, please contact Mike Varnado in the Division of Historic Preservation by email at mvarnado@crt.la.gov or by phone at (225) 219-4596.

Sincerely,

A handwritten signature in blue ink that reads "Phil Boggan". The signature is fluid and cursive, with the first name "Phil" and last name "Boggan" clearly legible.

Phil Boggan
Deputy State Historic Preservation Officer

PB:phf



KISATCHIE-DELTA Regional Planning & Development District, Inc.

3516 Parliament Court, Alexandria, LA 71303-3135
(318) 487-5454 ph / (318) 487-5451 fax

www.kdelta.org
kdelta@krocket.net

Serving the parishes of: Avoyelles, Catahoula, Concordia, Grant, LaSalle, Rapides, Vernon and Winn

CLEARINGHOUSE REVIEW

Date: March 13, 2013
 Requestor: Kerry Oriol, Consultant Project Manager
 Organization: Providence Engg & Environmental Group
 Street address: 1201 Main Street
 City, State, Zip: Baton Rouge, LA 70802

CC: Noel Ardoin, Environmental Engineer Adm.
 LA Dept of Transportation & Development
 P.O. Box 94245
 Baton Rouge, LA 70804-9245

RE: Project Comments "State Proj #700-40-0145 (H.004825) Widening of LA 28 East LA 3128 (LIBUSE) to LA 1207 (HOLLOWAY), Rapides Parish"

Kisatchie-Delta Regional Planning & Development District, Inc. received information (3/18 & 2/15/2013) regarding solicitation of comments for the aforementioned project. On review, the following comments are offered:

Checked boxes indicate questions with affirmative answers.

ENVIRONMENT

Flood Hazard

- There is **no known flood hazard impact** related to the proposed project.
- Proposed project **could be vulnerable to minor impact** in relation to its location/elevation.
- Proposed project is vulnerable to **significant impact from flooding; mitigation should be required.**
- Flood hazard pertaining to the proposed project is **unknown** based on the information provided to date.
- Flood hazard pertaining to the proposed project is **unlikely** based on the proposed project activity.

Location

Urban

Rural

- Anticipated finding of historically/culturally significant
- Concern regarding economic injustice
- Impact anticipated to Wild/Scenic River
- In conflict with established zoning standards
- The proposed project activity is **unlikely** to result in a negative finding with regard to this section's aforementioned location concerns.
- Unknown** impact with regard to this section's location concerns.

There are **no findings** relative to known negative environmental impacts resulting from the proposed project.

LOCAL IMPACT/DISTRESS

- The proposed project would not detract from employment and income opportunities of area.
- The project would not detract from employment and income opportunities of area.
- The project is located in a distressed area and investment by the funding agency of grant/loan funds is appropriate and necessary to assist with the quality of life and community and economic development.
- Renewal Community
- HUB Zone
- Delta Regional Authority distressed county
- OTHER: Proximity to known wetlands & WMA's

REGIONALISM

- The proposed project is congruent with the Comprehensive Economic Development Strategy for this region and considerate of both environmental and socioeconomic needs.
- The proposed project is compatible with local needs and benefits regional use.
- Other: Based on the nature and location of the proposed improvements, there are no special or additional recommendations for mitigation of land use, noise, and environmental justice outside of normal construction period methods customarily employed. The identified project poses no known negative influence on developed areas that would result in **distinct disadvantage to one economic, racial or other social group over another. The proposed project, as presented, appears to be supportive of residential, commercial, industrial and/or other public use.**

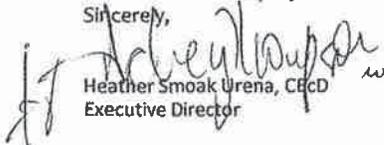
SUMMARY FINDINGS

- We have no objection to the proposed project.
- We have no objection **and support** the proposed use of proceeds to conduct the project. The proposed project is anticipated to benefit this region's development, vital infrastructure system(s), and its quality of place/life. Therefore, we extend our support for funding or additional consideration that would advance award or resource and assure its timely implementation.

We respectfully submit that the environmental concerns are likely to inhibit both funding and construction. All reasonable and appropriate mitigation should be put in place so as not to infringe upon natural resources and their quality prior to **any** construction/planning.

Please contact us, if you have other needs with which we can be of assistance.

Sincerely,


 Heather Smoak Urena, CECD
 Executive Director



April 22, 2013

Mr. Britt Evans
Land Officer
Louisiana Department of Culture, Recreation, and Tourism
Office of State Parks
PO Box 44426
Baton Rouge, LA 70804-4426

**Re: State Project H.004825.2 LA 28 East Widening EA
Section 6(f) Review**

Dear Mr. Evans:

On behalf of the Louisiana Department of Transportation and Development (DOTD), Providence is preparing an Environmental Assessment (EA) for the above referenced project. The LA 28 East Widening project begins in Libuse, Louisiana at the intersection of LA 28 with LA 3128 and ends at US 84 in Catahoula Parish. The construction area proposed for this project extends approximately 7.25 miles from LA 3128 to LA 1207; the remaining 21 miles of the project area represent a study area for future widening.

In accordance the Federal Highway Administration's guidance for preparing environmental documents, T.6640.8A, Providence requests your office review the attached map and identify any Land and Water Conservation Fund Section 6 (f) properties that may be within the project study area. This information will be required for the alternatives impact analysis.

Should you have any questions, please contact me through Providence's Baton Rouge office at 225.766.7400 or via email at kerryoriol@providenceeng.com.

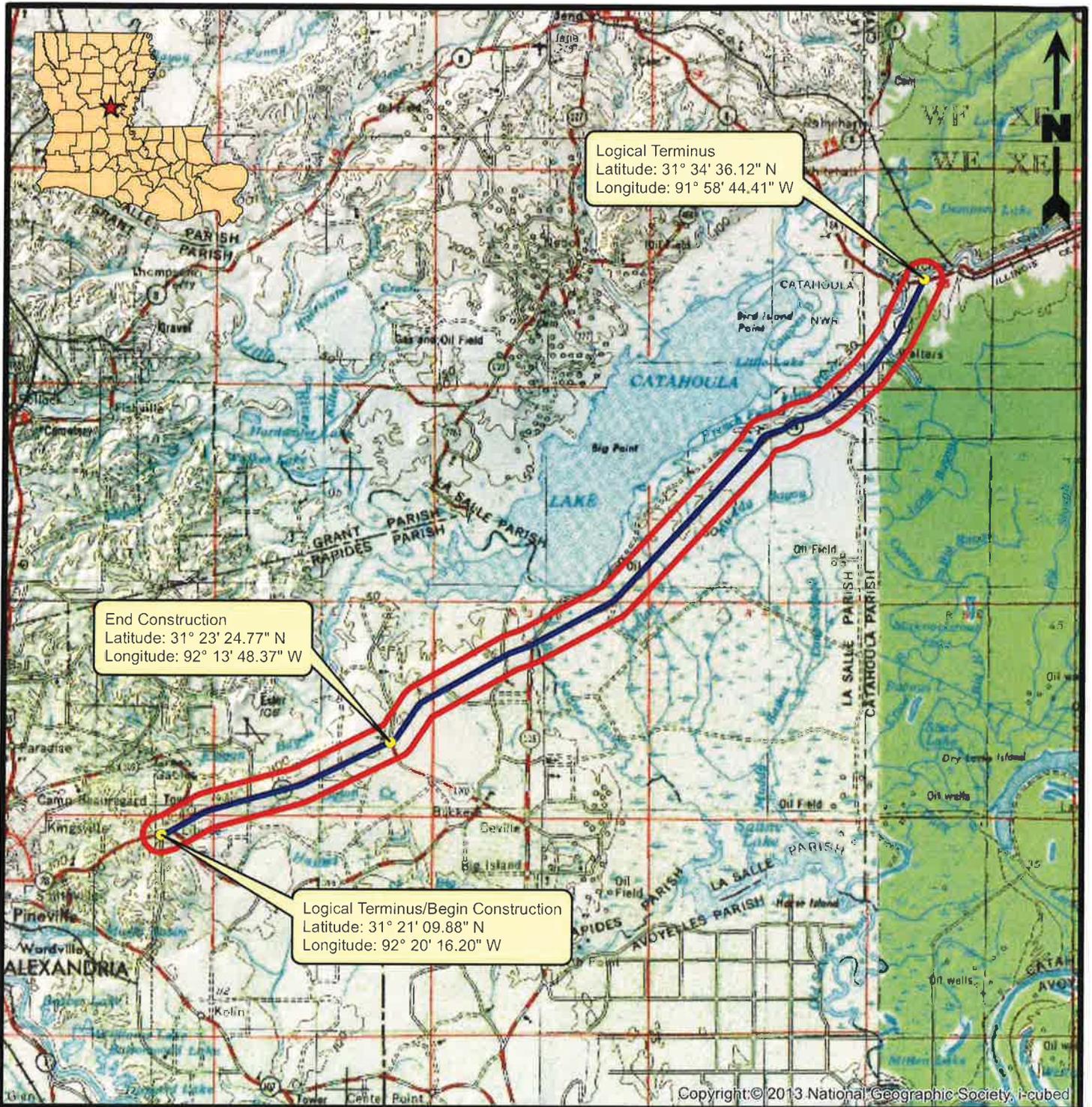
Thank you for your assistance.

Sincerely,

Kerry Oriol
Project Manager

Enclosure: As stated

cc: Sharon Gage/DOTD



Copyright © 2013 National Geographic Society, i-cubed



Legend

- Project Study Area
- Project Area

Reference

Base map comprised of USGS 250K topographic maps, "Alexandria, LA" and "Natchez, LA".

Site Location Map

LA 28 E Widening
 SPN H.004825.2 - Environmental Assessment
 Rapides Parish, Louisiana

Louisiana Department
 of Transportation and Development



PROVIDENCE

Drawn By	LMM	04/11/13
Checked By	LMH	04/11/13
Approved By	KHO	04/11/13

Project Number	040-013
Drawing Number	040-013-A012

1
Figure



JAY DARDENNE
LIEUTENANT GOVERNOR

State of Louisiana
OFFICE OF THE LIEUTENANT GOVERNOR
DEPARTMENT OF CULTURE, RECREATION & TOURISM
OFFICE OF STATE PARKS

CHARLES R. DAVIS
DEPUTY SECRETARY
STUART JOHNSON, PH.D.
ASSISTANT SECRETARY

May 7, 2013

Providence Engineering and Environmental Group
1201 Main Street
Baton Rouge, La 70802

Re: State Project H.004825.2 LA 28 East Widening

Dear Kerry Oriol:

The Office of State Parks has reviewed your proposed project concerning the preparation of an Environmental Assessment for the LA 28 East Widening Project. We have no Land and Water Conservation Fund properties within the project study area.

Best regards,

A handwritten signature in blue ink, appearing to read "Britt Evans".

Britt Evans
Natural Resources Manager

BE: be



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

JUL 03 2013

REPLY TO
ATTENTION OF

Operations Division
Surveillance and Enforcement Section

Ms. Noel Ardoin, LA DOTD
C/O Kerry Oriol
Providence Engineering
1201 Main Street
Baton Rouge, Louisiana 70802

Dear Ms. Ardoin:

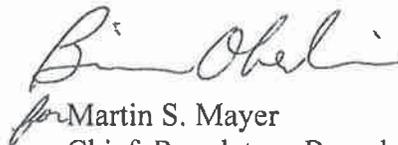
Reference is made to your request for a U.S. Army Corps of Engineers' (Corps) jurisdictional determination on property located in Rapides, LaSalle, and Catahoula Parishes, Louisiana (enclosed map). Specifically, this property is identified as right-of way for the LA-28 East widening from LA-3128 to US-84.

Based on review of maps, aerial photography, and soils data, we have determined that Waters of the US, including wetlands, that may be subject to Corps' jurisdiction occur on this property. However, these waters and wetlands cannot be accurately delineated without a field investigation. If an accurate delineation is needed, please furnish us with the field data concerning vegetation, soils, and hydrology that we require for all jurisdictional decisions. A Department of the Army (DA) permit under Section 404 of the Clean Water Act will be required prior to the deposition or redistribution of dredged or fill material into jurisdictional wetlands.

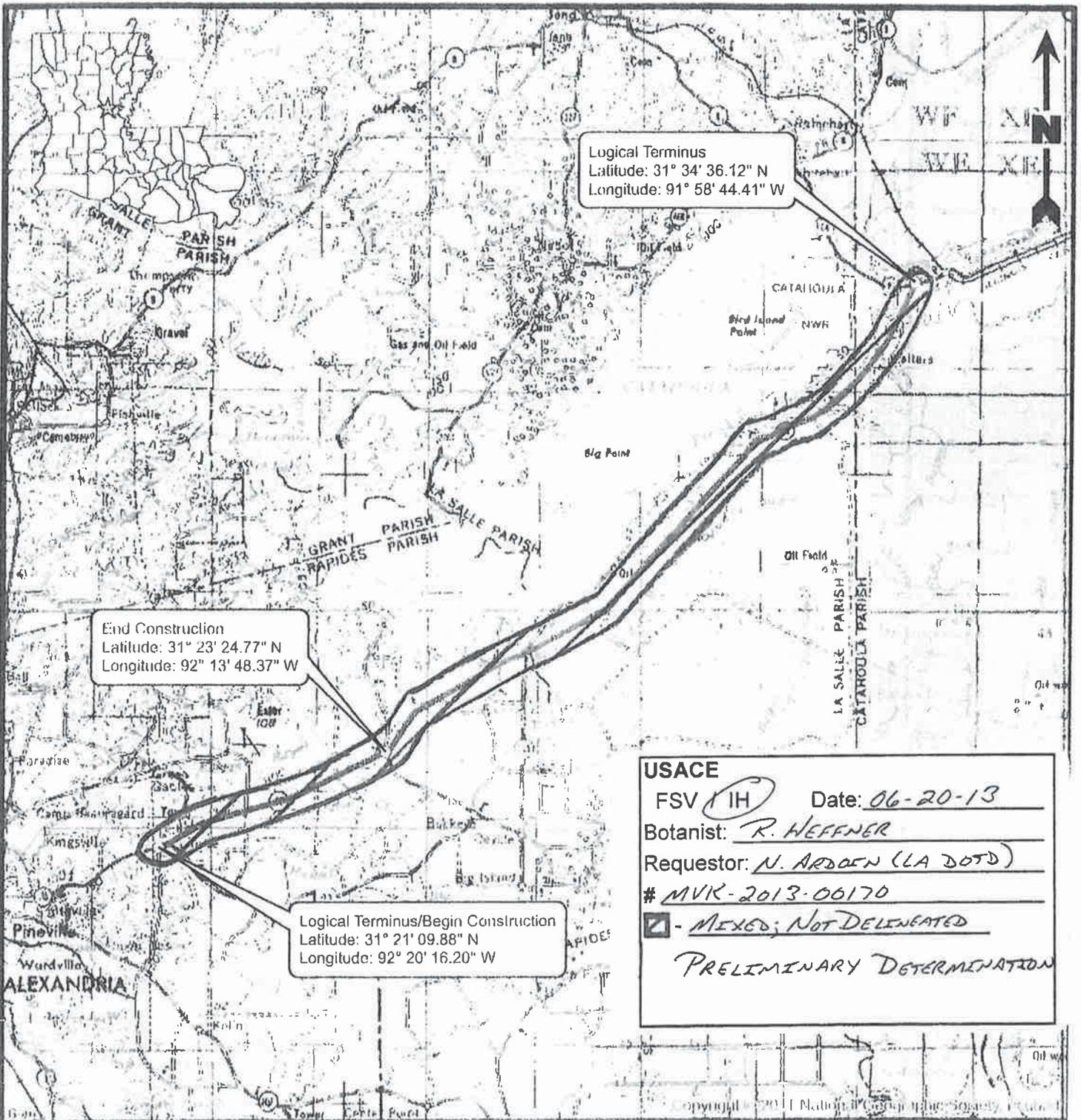
This preliminary determination is advisory in nature. The fact that a field wetland delineation/determination has not been completed does not alleviate your responsibility to obtain the proper DA permits prior to working in jurisdictional wetlands or waters occurring on this property.

Should there be any questions concerning these matters, please contact Mr. Rob Heffner at (504) 862-2099 and reference our Account No. MVK-2013-00170-SU. The New Orleans District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please complete the survey on our web site at <http://per2.nwp.usace.army.mil/survey.html>.

Sincerely,


for Martin S. Mayer
Chief, Regulatory Branch

Enclosure

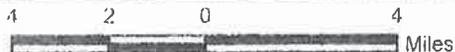


USACE
 FSV 1H Date: 06-20-13
 Botanist: R. HEFFNER
 Requestor: N. ARDEN (LA DOTD)
 # MVK-2013-06170
 - MIXED; NOT DELEGATED
PRELIMINARY DETERMINATION

End Construction
 Latitude: 31° 23' 24.77" N
 Longitude: 92° 13' 48.37" W

Logical Terminus/Begin Construction
 Latitude: 31° 21' 09.88" N
 Longitude: 92° 20' 16.20" W

Logical Terminus
 Latitude: 31° 34' 36.12" N
 Longitude: 91° 58' 44.41" W



Legend

- Project Study Area
- Project Area

Reference

Base map comprised of USGS 250K topographic maps, "Alexandria, LA" and "Natchez, LA".

Site Location Map

Widening of LA 28 - Solicitation of Views
 SPN H.004825.2
 Rapides Parish, Louisiana

Louisiana Department
 of Transportation and Development

Drawn By	JCS	01/10/13
Checked By	LMH	01/10/13
Approved By	MPH	01/10/13

Project Number
 040-013
 Drawing Number
 040-013-A001



0440

PROVIDENCE

August 26, 2016

State Mailing List Recipient:

Enclosed, please find a copy of the draft Environmental Assessment (EA) for the Widening of LA 28 East (State Project Number H.004825.2) project in Rapides Parish. This EA document is being provided at the request of the Louisiana Department of Transportation and Development to allow for review and comment during the project development process.

Sincerely,

Kerry Oriol
Project Manager

cc: Ms. Sharon Gage/LDOTD

No known historic properties will be affected by this undertaking. Therefore, our office has no objection to the implementation of this project. This effect determination could change should new information come to our attention.

Phil Boggan
State Historic Preservation Officer

Date

10/04/2016

RECEIVED

AUG 30 2016

ARCHAEOLOGY

From: Linda (Brown) Hardy <Linda.Hardy@la.gov>
Sent: Tuesday, September 27, 2016 11:04 AM
To: Kerry Oriol
Cc: Yasoob Zia
Subject: 160907/1010 Draft EA for Widening of LA28 East

September 27, 2016

Kerry Oriol, Project Manager
Providence Engineering
1201 Main Street
Baton Rouge, LA 70802
kerryoriol@providenceeng.com

RE: 160907/1010 Draft EA for Widening of LA28 East
DOTD Funding
Rapides Parish

Dear Mr. Oriol:

The Department of Environmental Quality (LDEQ), Business and Community Outreach Division has received your request for comments on the above referenced project.

After reviewing your request, the Department has no objections based on the information provided in your submittal. However, for your information, the following general comments have been included. Please be advised that if you should encounter a problem during the implementation of this project, you should immediately notify LDEQ's Single-Point-of-contact (SPOC) at (225) 219-3640.

- Please take any necessary steps to obtain and/or update all necessary approvals and environmental permits regarding this proposed project.
- If your project results in a discharge to waters of the state, submittal of a Louisiana Pollutant Discharge Elimination System (LPDES) application may be necessary.
- If the project results in a discharge of wastewater to an existing wastewater treatment system, that wastewater treatment system may need to modify its LPDES permit before accepting the additional wastewater.
- All precautions should be observed to control nonpoint source pollution from construction activities. LDEQ has stormwater general permits for construction areas equal to or greater than one acre. It is recommended that you contact the LDEQ Water Permits Division at (225) 219-9371 to determine if your proposed project requires a permit.
- If any project will include a sanitary wastewater treatment facility, a Sewage Sludge and Biosolids Use or Disposal Permit is required. An application or Notice of Intent will be required if the sludge management practice includes preparing biosolids for land application or preparing sewage sludge to be hauled to a landfill. Additional information may be obtained on the LDEQ website at <http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx> or by contacting the LDEQ Water Permits Division at (225) 219- 9371.
- If any of the proposed work is located in wetlands or other areas subject to the jurisdiction of the U.S. Army Corps of Engineers, you should contact the Corps directly regarding permitting issues. If a Corps permit is required, part of the application process may involve a water quality certification from LDEQ.
- All precautions should be observed to protect the groundwater of the region.
- Please be advised that water softeners generate wastewaters that may require special limitations depending on local water quality considerations. Therefore if your water system improvements include water softeners, you are advised to contact the LDEQ Water Permits to determine if special water quality-based limitations will be necessary.
- Any renovation or remodeling must comply with LAC 33:III,Chapter 28, Lead-Based Paint Activities; LAC 33:III,Chapter 27, Asbestos-Containing Materials in Schools and State Buildings (includes all training and accreditation); and LAC 33:III.5151, Emission Standard for Asbestos for any renovations or demolitions.
- If any solid or hazardous wastes, or soils and/or groundwater contaminated with hazardous constituents are encountered during the project, notification to LDEQ's Single-Point-of-Contact (SPOC) at (225) 219-3640 is required. Additionally, precautions should be taken to protect workers from these hazardous constituents.

Currently, Rapides Parish is classified as attainment with the National Ambient Air Quality Standards and has no general conformity determination obligations.

Please send all future requests to my attention. If you have any questions, please feel free to contact me at (225) 219-3954 or by email at linda.hardy@la.gov.

Sincerely,

Linda B. Hardy

Louisiana Dept. of Environmental Quality
Office of the Secretary
P.O. Box 4301
Baton Rouge, LA 70821-4301
Phone: (225) 219-3954
Fax: (225) 219-3971
Email: linda.hardy@la.gov



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

December 7, 2016

Ms. Kerry Oriol, Project Manager
Providence Engineering and
Environmental Group LLC
1201 Main Street
Baton Rouge, LA 70802

Dear Ms. Oriol:

We have received your August 26, 2016, letter requesting our evaluation of the potential environmental impacts that might result from the following project:

Widening LA 28 East (Area is 7.25 miles in length)
LA 28 East, from Libuse (LA 1205) to Holloway (LA 1207)
Stage 1 State Project No: H.004825.2
Federal Aid Project No: H004825
Rapides Parish
Libuse to Holloway, Louisiana

In administering the sole source aquifer (SSA) program under Section 1424 of the Safe Drinking Water Act our Office performs evaluations of projects with federal financial assistance which are located over a designated sole source aquifer.

Based on the information provided, we have concluded that the project does not lie within the boundaries of a designated sole source aquifer and is thus not eligible for review under the SSA program.

If you did not include a project description, project location, the parish, area map, plat and the federal funding agency if available, please do so in future Sole Source Aquifer correspondence.

If you have any questions on this letter or the sole source aquifer program please contact me at (214) 665-8485.

Sincerely yours,



Omar T. Martinez, Coordinator
Sole Source Aquifer Program
Ground Water/UIC Section

cc: Ms. Sharon Gage, LADOTD
Jesse Means, LDEQ

**APPENDIX B
LINE AND GRADE**

**APPENDIX B-1
OPINION OF PROBABLE COST**



OPINION OF PROBABLE COST FOR LA 28

Item No.	Item Description	Unit Price	Unit	Alternative 1a			Alternative 2a			Alternative 2b			
				UA5 w/ Roundabouts	UA5 Preferred	RA2 w/ Roundabout	UA5 w/ Roundabouts	UA5 Preferred	RA2 w/ Roundabout	UA5 w/ Roundabouts	UA5 Preferred	RA2 w/ Roundabout	RA2 w/ Signal
				Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
201-01-00100	Clearing and Grubbing	\$200,000.00	LUMP	1.00	\$200,000.00	1.00	\$200,000.00	1.00	\$200,000.00	1.00	\$200,000.00	1.00	\$200,000.00
202-02-06100	Removal of Concrete Walks and Drives	\$40.00	SOYD	6,820.78	\$272,831.11	6,820.78	\$272,800.00	9,489.78	\$379,591.11	9,489.78	\$379,591.11	9,489.78	\$379,591.11
202-02-32180	Removal of Headwalls	\$1,200.00	EACH	50.00	\$60,000.00	50.00	\$60,000.00	50.00	\$60,000.00	50.00	\$60,000.00	50.00	\$60,000.00
202-02-38240	Removal of Signs and Supports	\$20.00	EACH	65.00	\$1,300.00	65.00	\$1,300.00	65.00	\$1,300.00	65.00	\$1,300.00	65.00	\$1,300.00
202-02-38500	Removal of Surfacing and Stabilizing Base	\$8.00	SOYD	185,056.00	\$1,480,448.00	185,056.00	\$1,480,448.00	195,006.67	\$1,560,053.33	195,006.67	\$1,560,053.33	195,006.67	\$1,560,053.33
203-01-00100	General Excavation	\$5.00	CUYD	145,184.20	\$725,921.00	184,459.60	\$922,298.00	220,925.50	\$1,104,627.50	220,925.50	\$1,104,627.50	220,925.50	\$1,104,627.50
203-03-00100	Embankment	\$10.00	CUYD	185,426.00	\$1,854,260.00	168,485.70	\$1,684,857.00	231,716.40	\$2,317,164.00	231,716.40	\$2,317,164.00	231,716.40	\$2,317,164.00
203-08-00100	Geotextile Fabric	\$5.00	SOYD	295,382.67	\$1,476,913.33	319,574.78	\$1,597,873.89	337,650.22	\$1,688,251.11	337,650.22	\$1,688,251.11	337,650.22	\$1,688,251.11
204-06-00100	Temporary Silt Fence	\$1.00	LNFT	77,772.00	\$77,772.00	77,772.00	\$77,772.00	80,612.00	\$80,612.00	80,612.00	\$80,612.00	80,612.00	\$80,612.00
302-02-06121	Class II Base Course (12" Thick) (Stone or Recycled Portland Cement)	\$30.00	SOYD	295,382.67	\$8,861,480.00	319,574.78	\$9,587,243.33	337,650.22	\$10,129,506.67	337,650.22	\$10,129,506.67	337,650.22	\$10,129,506.67
502-01-00100	Superpave Asphaltic Concrete (Assume 8" Thickness)	\$110.00	TON	129,968.37	\$14,296,521.07	140,612.90	\$15,467,419.24	148,566.10	\$16,342,270.76	148,566.10	\$16,342,270.76	148,566.10	\$16,342,270.76
701-01-00100	Cross Drain Pipe (24" RCP)	\$100.00	LNFT	352.00	\$35,200.00	352.00	\$35,200.00	352.00	\$35,200.00	352.00	\$35,200.00	352.00	\$35,200.00
701-01-01100	Cross Drain Pipe (30" RCP)	\$170.00	LNFT	192.00	\$32,640.00	192.00	\$32,640.00	192.00	\$32,640.00	192.00	\$32,640.00	192.00	\$32,640.00
701-01-01200	Cross Drain Pipe (54" RCP)	\$195.00	LNFT	120.00	\$23,400.00	120.00	\$23,400.00	120.00	\$23,400.00	120.00	\$23,400.00	120.00	\$23,400.00
701-01-01120	Cross Drain Pipe (60" RCP)	\$255.00	LNFT	270.00	\$68,850.00	270.00	\$68,850.00	270.00	\$68,850.00	270.00	\$68,850.00	270.00	\$68,850.00
701-01-01140	Cross Drain Pipe (72" RCP)	\$390.00	LNFT	302.00	\$117,780.00	302.00	\$117,780.00	302.00	\$117,780.00	302.00	\$117,780.00	302.00	\$117,780.00
701-03-01020	Storm Drain Pipe (18" RCP/PP)	\$50.00	LNFT	3,244.00	\$162,200.00	3,244.00	\$162,200.00	3,244.00	\$162,200.00	3,244.00	\$162,200.00	3,244.00	\$162,200.00
701-03-01040	Storm Drain Pipe (24" RCP/PP)	\$60.00	LNFT	1,293.00	\$77,580.00	1,293.00	\$77,580.00	1,293.00	\$77,580.00	1,293.00	\$77,580.00	1,293.00	\$77,580.00
701-03-01060	Storm Drain Pipe (30" RCP/PP)	\$65.00	LNFT	448.00	\$29,120.00	448.00	\$29,120.00	448.00	\$29,120.00	448.00	\$29,120.00	448.00	\$29,120.00
701-03-01080	Storm Drain Pipe (36" RCP/PP)	\$90.00	LNFT	1,064.00	\$95,760.00	1,064.00	\$95,760.00	1,064.00	\$95,760.00	1,064.00	\$95,760.00	1,064.00	\$95,760.00
701-03-01090	Storm Drain Pipe (42" RCP/PP)	\$110.00	LNFT	1,080.00	\$118,800.00	1,080.00	\$118,800.00	1,080.00	\$118,800.00	1,080.00	\$118,800.00	1,080.00	\$118,800.00
701-03-01100	Storm Drain Pipe (48" RCP/PP)	\$140.00	LNFT	192.00	\$26,880.00	192.00	\$26,880.00	192.00	\$26,880.00	192.00	\$26,880.00	192.00	\$26,880.00
701-03-01140	Storm Drain Pipe (60" RCP)	\$200.00	LNFT	352.12	\$70,424.00	352.12	\$70,424.00	352.12	\$70,424.00	352.12	\$70,424.00	352.12	\$70,424.00
702-03-00100	Catch Basins (CB-01)	\$3,000.00	EACH	2.00	\$6,000.00	2.00	\$6,000.00	2.00	\$6,000.00	2.00	\$6,000.00	2.00	\$6,000.00
706-02-00200	Concrete Drive (6" Thick)	\$55.00	SOYD	11,862.22	\$652,422.22	11,862.22	\$652,422.22	11,862.22	\$652,422.22	11,862.22	\$652,422.22	11,862.22	\$652,422.22
707-01-00200	Concrete Curb (Barrier)	\$8.00	LNFT	78,132.00	\$625,056.00	159,086.00	\$1,272,688.00	100.00	\$800.00	100.00	\$800.00	100.00	\$800.00
711-01-04020	Rip Rap (55 lb)	\$100.00	CUYD	100.00	\$10,000.00	100.00	\$10,000.00	100.00	\$10,000.00	100.00	\$10,000.00	100.00	\$10,000.00
713-01-00100	Temporary Signs and Barricades	\$375,000.00	LUMP	1.00	\$375,000.00	1.00	\$375,000.00	1.00	\$375,000.00	1.00	\$375,000.00	1.00	\$375,000.00
727-01-00100	Mobilization ¹	\$3,000,000.00	LUMP	1.00	\$3,000,000.00	1.00	\$3,000,000.00	1.00	\$3,000,000.00	1.00	\$3,000,000.00	1.00	\$3,000,000.00
729-01-00100	Sign (Type A)	\$25.00	SOFT	1,040.00	\$26,000.00	1,040.00	\$26,000.00	1,040.00	\$26,000.00	1,040.00	\$26,000.00	1,040.00	\$26,000.00
729-21-00100	U-Channel Post	\$120.00	EACH	65.00	\$7,800.00	65.00	\$7,800.00	65.00	\$7,800.00	65.00	\$7,800.00	65.00	\$7,800.00
731-02-00100	ReflectORIZED Raised Pavement Markers	\$5.00	EACH	7,777.20	\$38,886.00	4,286.00	\$21,430.00	4,029.60	\$20,148.00	4,029.60	\$20,148.00	4,029.60	\$20,148.00
732-01-02080	Plastic Pavement Striping (24" Width) (Thermoplastic 125 mil)	\$18.00	LNFT	536.00	\$9,648.00	536.00	\$9,648.00	536.00	\$9,648.00	536.00	\$9,648.00	536.00	\$9,648.00
732-02-02000	Plastic Pavement Striping (Solid Line) (4" Width) (Thermoplastic 90 mil)	\$2,500.00	MILE	29.46	\$73,647.73	29.46	\$73,647.73	32.47	\$81,174.24	30.53	\$76,318.18	32.47	\$81,174.24
732-03-02000	Plastic Pvmt Strip (Broken Line)(4" W)(Thermo 90 mil)	\$1,200.00	MILE	14.73	\$17,676.00	14.73	\$17,676.00	16.23	\$19,500.00	15.26	\$18,418.18	16.23	\$19,500.00
732-03-02010	Plastic Pvmt Strip (Broken Line)(4" W)(2" L)(Thermo 90 mil)	\$1,200.00	MILE	0.54	\$648.00	0.54	\$648.00	0.68	\$818.18	0.68	\$818.18	0.68	\$818.18
732-04-01100	Plastic Pavement Legends and Symbols (Arrow - Right Turn)	\$500.00	EACH	38.00	\$19,000.00	38.00	\$19,000.00	38.00	\$19,000.00	38.00	\$19,000.00	38.00	\$19,000.00
739-01-00100	Hydro-Seeding	\$2,000.00	ACRE	69.59	\$139,189.32	146.00	\$292,000.00	74.26	\$148,525.15	74.26	\$148,525.15	74.26	\$148,525.15
740-01-00100	Construction Layout ²	LUMP	LUMP	1.00	\$430,000.00	1.00	\$430,000.00	1.00	\$430,000.00	1.00	\$430,000.00	1.00	\$430,000.00
805-01-00200	Class A Concrete (Pipe Headwalls)	\$1,000.00	EACH	50.00	\$50,000.00	50.00	\$50,000.00	50.00	\$50,000.00	50.00	\$50,000.00	50.00	\$50,000.00
NS-P17-00017	Traffic Signal System	\$200,000.00	LUMP	0.00	\$0.00	3.00	\$600,000.00	0.00	\$0.00	1.00	\$200,000.00	1.00	\$200,000.00
Subtotal					\$41,640,424.94		\$38,917,976.58		\$41,440,722.41		\$39,635,137.94		
Contingency (20%)					\$8,328,084.99		\$7,783,595.32		\$8,288,144.48		\$7,927,027.59		
Engineering Design (8%)					\$3,331,233.99		\$3,113,438.13		\$3,315,257.79		\$3,170,811.04		
Required Right-of-Way (ROW) ³				78.34	\$78,340.00	LUMP	\$9,073,807.00	101.91	\$101,910.00	100.92	\$100,920.00		
Utility Relocations ⁴						LUMP	\$1,775,190.00						
Environmental Mitigation ⁵						LUMP	\$63,387.00						
TOTAL^{6,7}					\$53,378,083.92		\$60,727,394.02		\$53,146,034.69		\$50,833,896.56		

Notes:

- Mobilization cost is estimated at approximately 7.5%.
- Construction layout estimated to be higher for those alternatives containing roundabouts due to the complexity of construction.
- General ROW costs were developed for all alternatives prior to the selection of a preferred. Detailed ROW costs were developed for the preferred alternative only, which can be found in the Conceptual Stage Relocation Plan included in the EA document as Appendix G.
- Utility relocation costs were based on available data and calculated for the preferred alternative only. Additional utility information should be obtained during design phase.
- Environmental mitigation costs only include wetlands and other waters mitigation costs, as no noise mitigation was determined reasonable. Wetlands mitigation costs were calculated based on 2.6 credits required for impacts to approximately 0.25 acres of various wetland habitats. Mitigation for impacts to other waters have been calculated based on 655 credits for 154 linear feet of relatively permanent other waters impact.
- This is a preliminary cost estimate. Costs will be adjusted during the Stage 3 Design once the survey and geotechnical studies are complete.
- Utilities, ROW, and Environmental Mitigation were calculated only for the Preferred Alternative. It is noted that costs would be similar for all the alternatives.

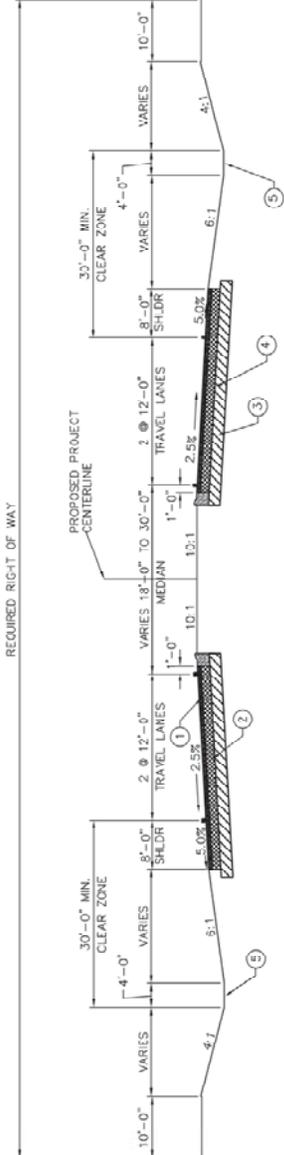
**APPENDIX B-2
LINE AND GRADE**

DATE	NO.	DESCRIPTION
JUNE 2016	1	ISSUED FOR PERMIT
JUNE 2016	2	ISSUED FOR PERMIT

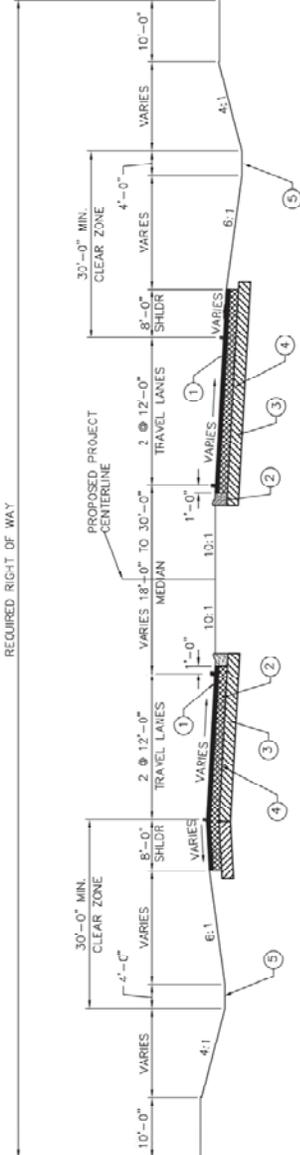
DESIGNER	SCALE
CFC	AS SHOWN
PROJECT	PROJECT
NO.	NO.



LA 28 ROAD WIDENING
 UAS ALTERNATIVE



LA 28 WIDENING
 TYPICAL FINISHED SECTION
 UA-5 ROADWAY CLASSIFICATION
 STATION 30+00 TO 394+24.36
 (N.T.S.)



LA 28 WIDENING
 TYPICAL SUPERELEVATION FINISHED SECTION
 UA-5 ROADWAY CLASSIFICATION
 (N.T.S.)

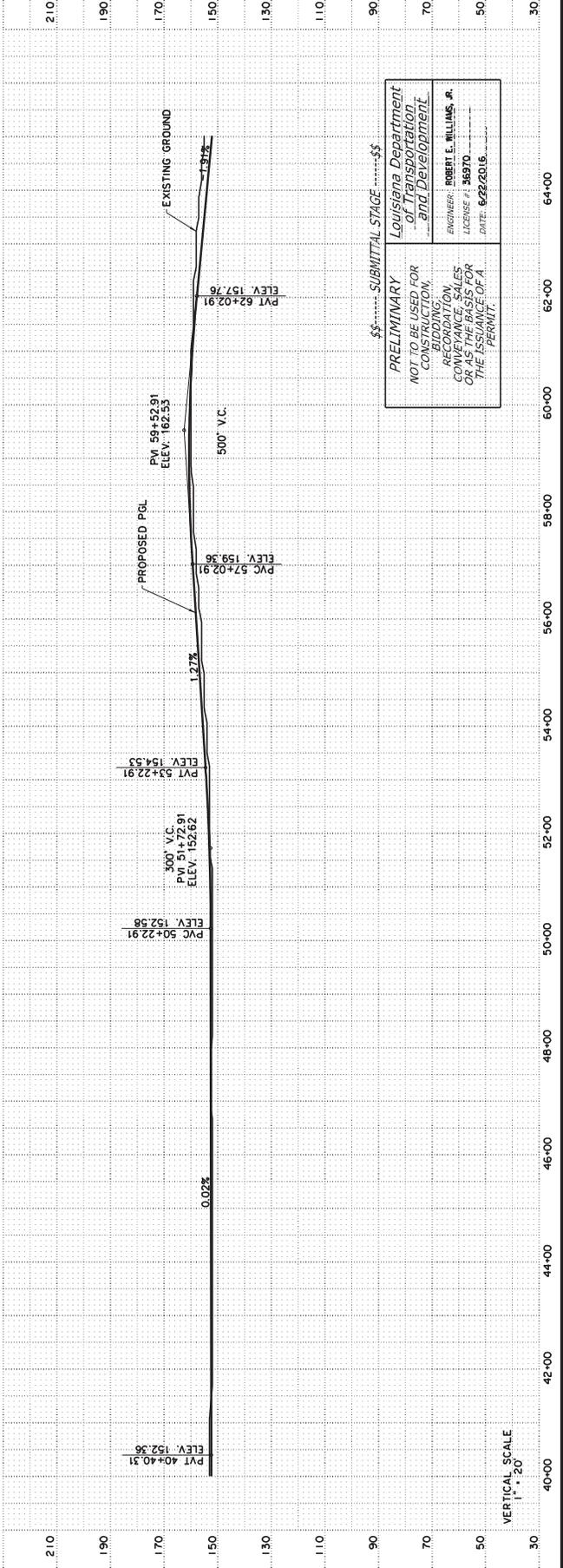
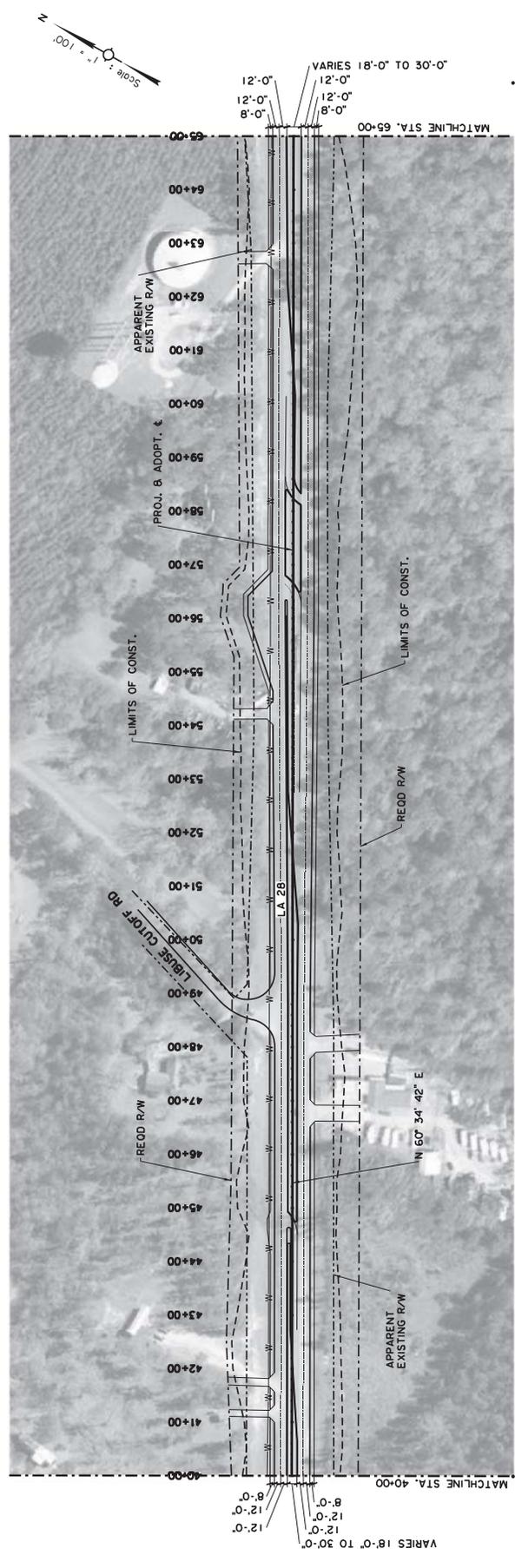
- LEGEND
- 1 SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 2F
 - 2 SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 2
 - 3 CLASS 8 BASE COURSE
 - 4 GEOTEXTILE FABRIC
 - 5 4' MINIMUM DITCH BOTTOM

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 RECONSTRUCTION,
 OR AS THE BASIS FOR
 THE ISSUANCE OF A
 PERMIT.

ENGINEER: ROBERTE WILLIAMS, P.E.
 LICENSE #: 36870
 DATE: 6/22/2016

\$\$\$-----SUBMITTAL STAGE-----\$\$\$

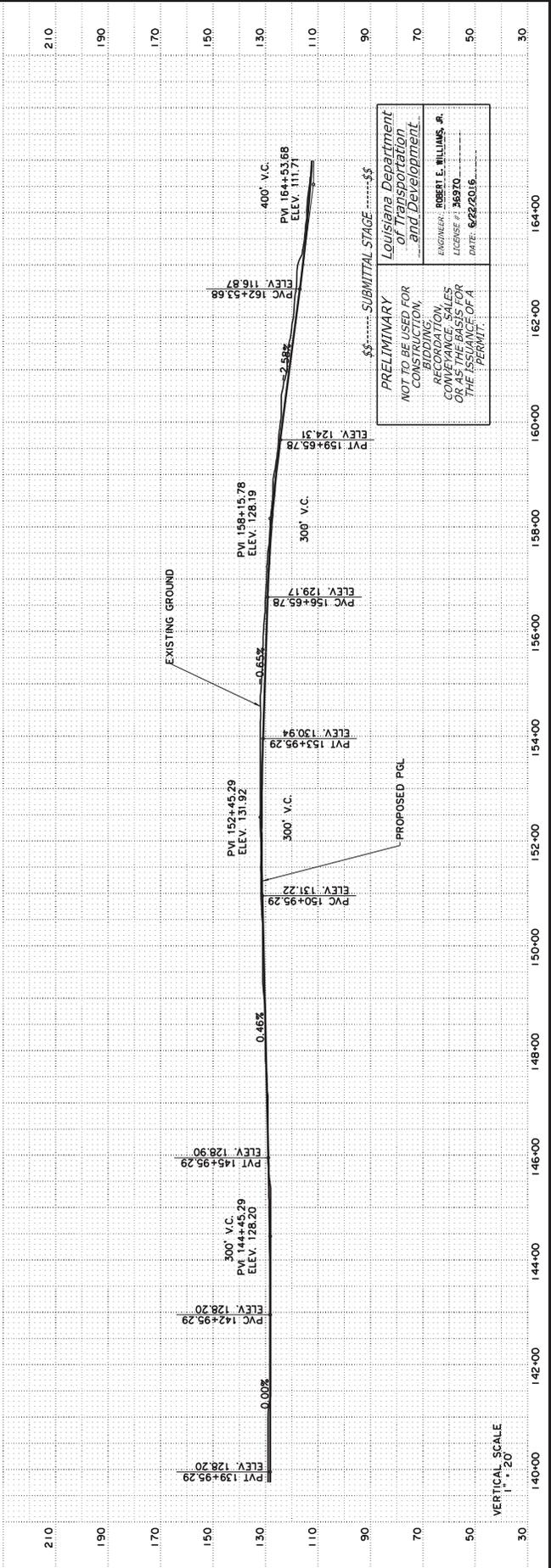
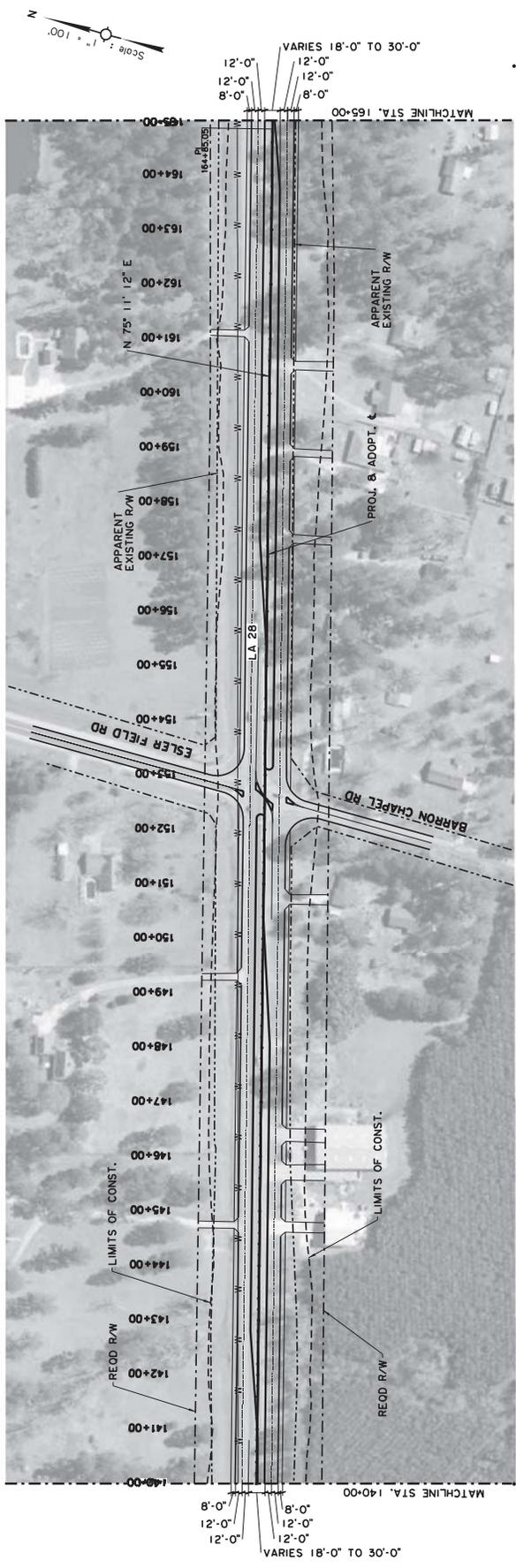
Louisiana Department
 of Transportation
 and Development

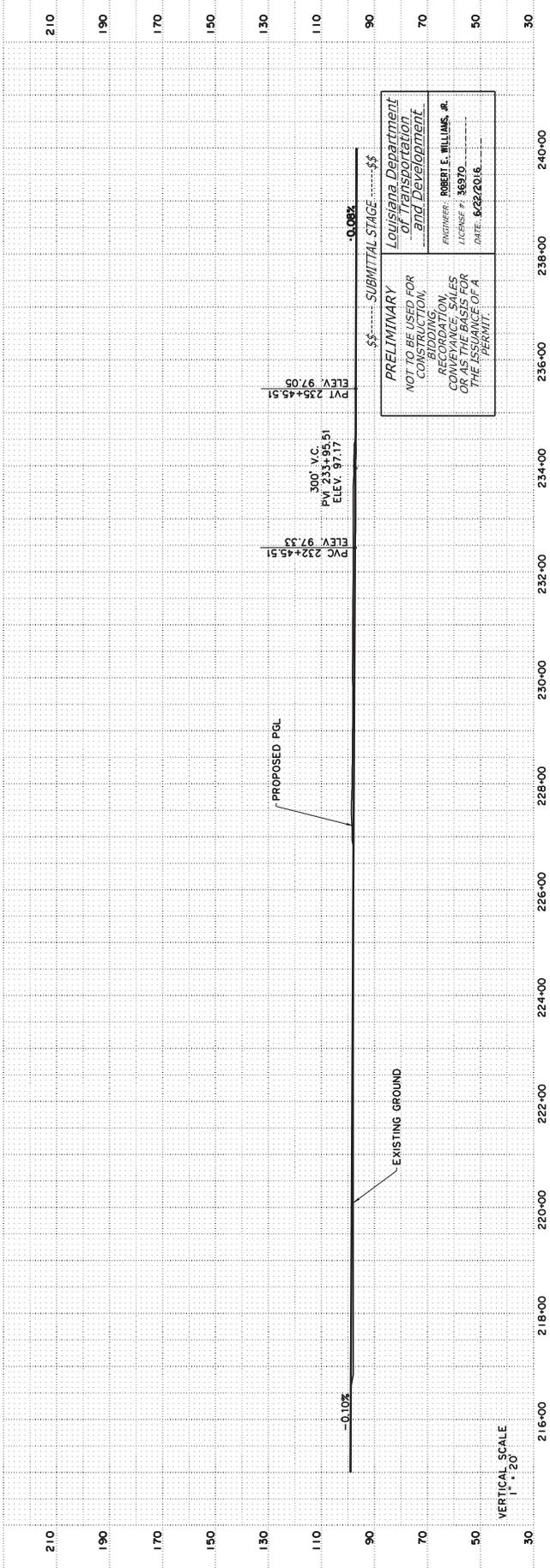
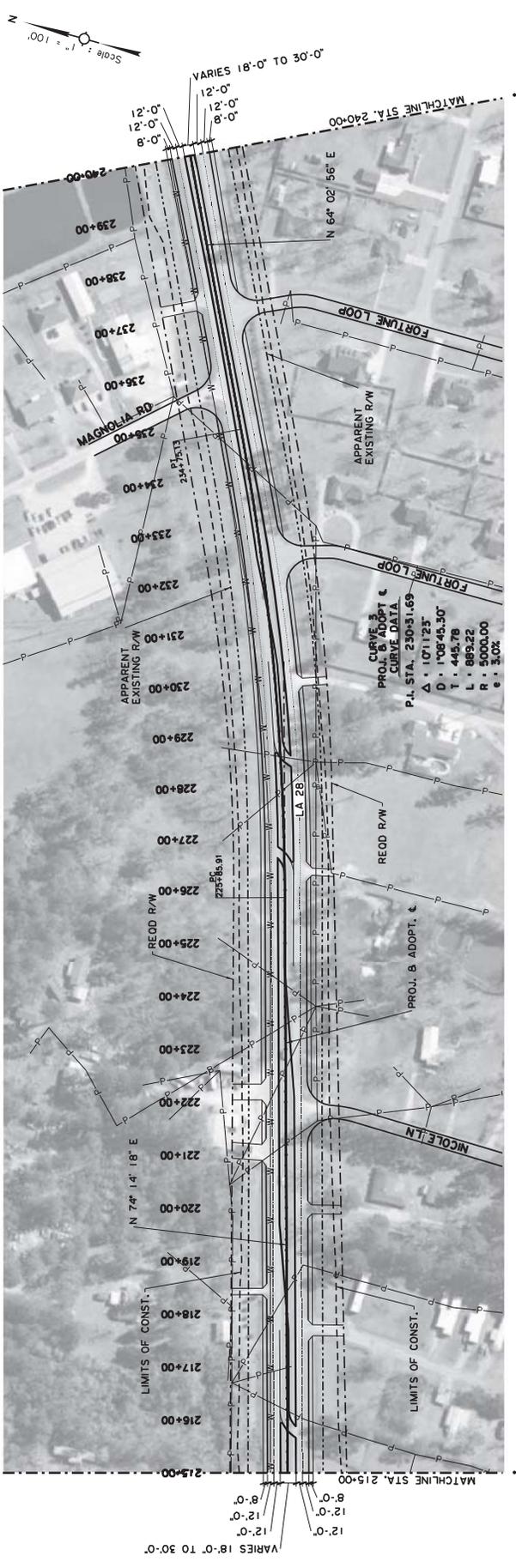


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ENGINEER: ROBERT E. WILLIAMS, P.E.
LICENSE # 36970
DATE: 6/22/2016

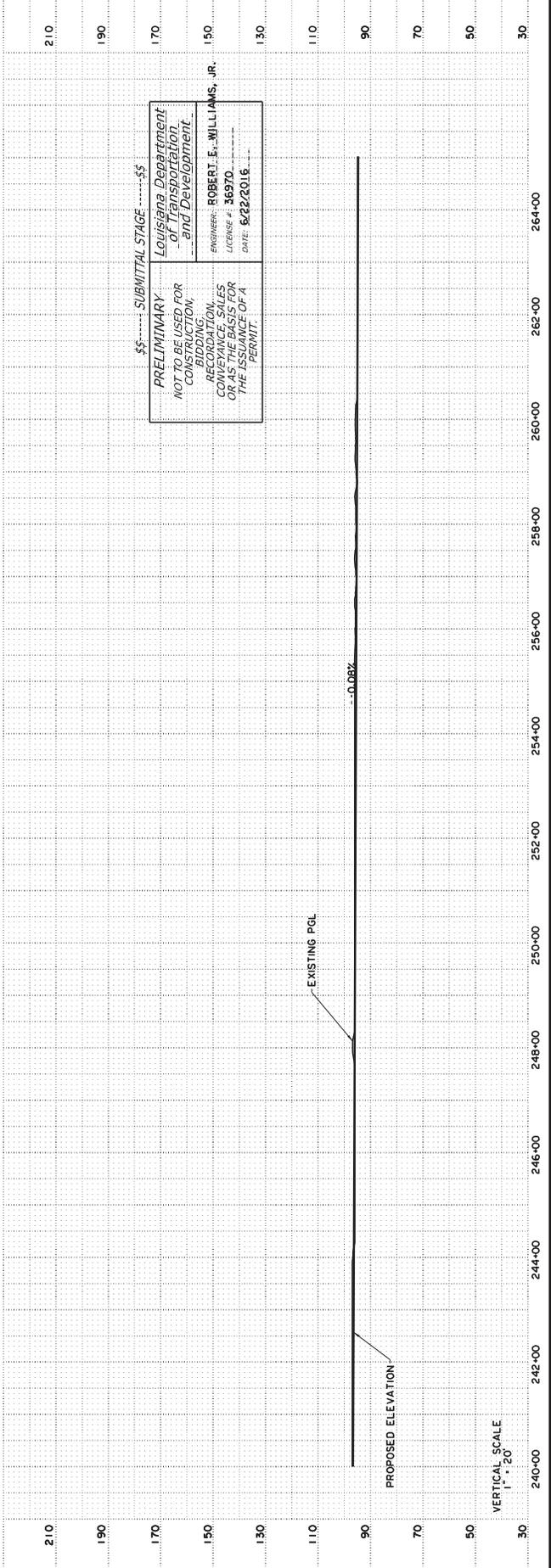
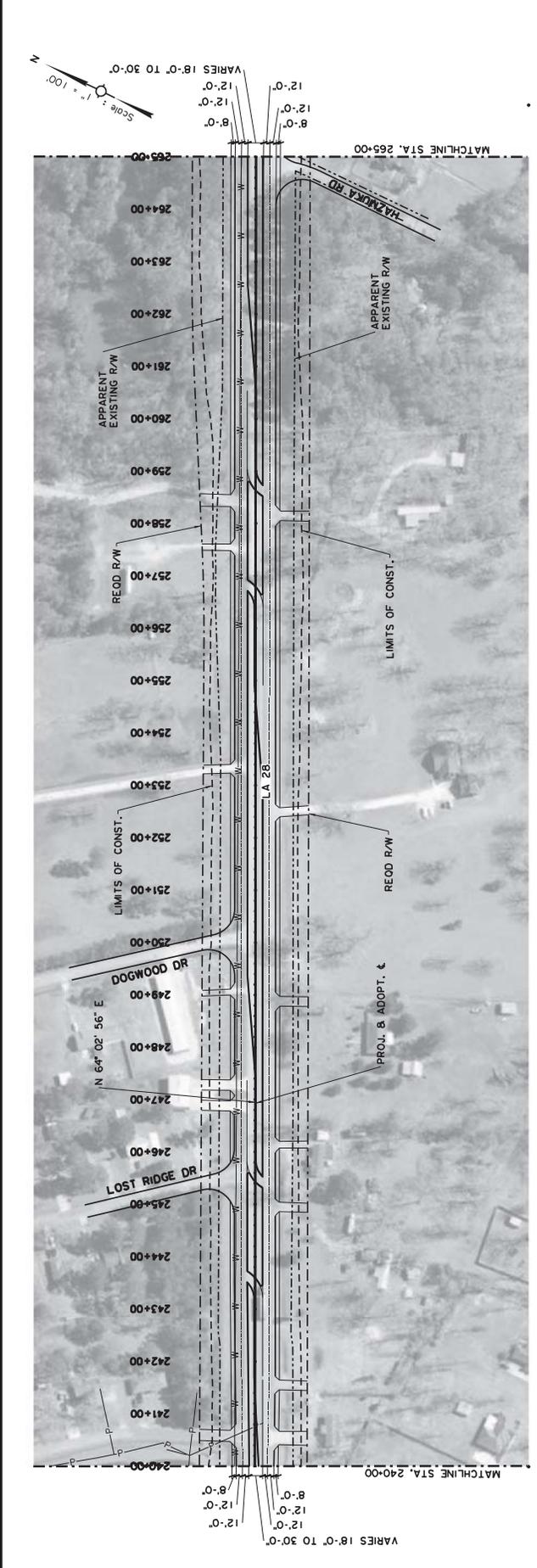
\$\$\$----- SUBMITTAL STAGE -----\$\$\$







LA 28 ROAD WIDENING
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 PLAN PROFILE SHEET



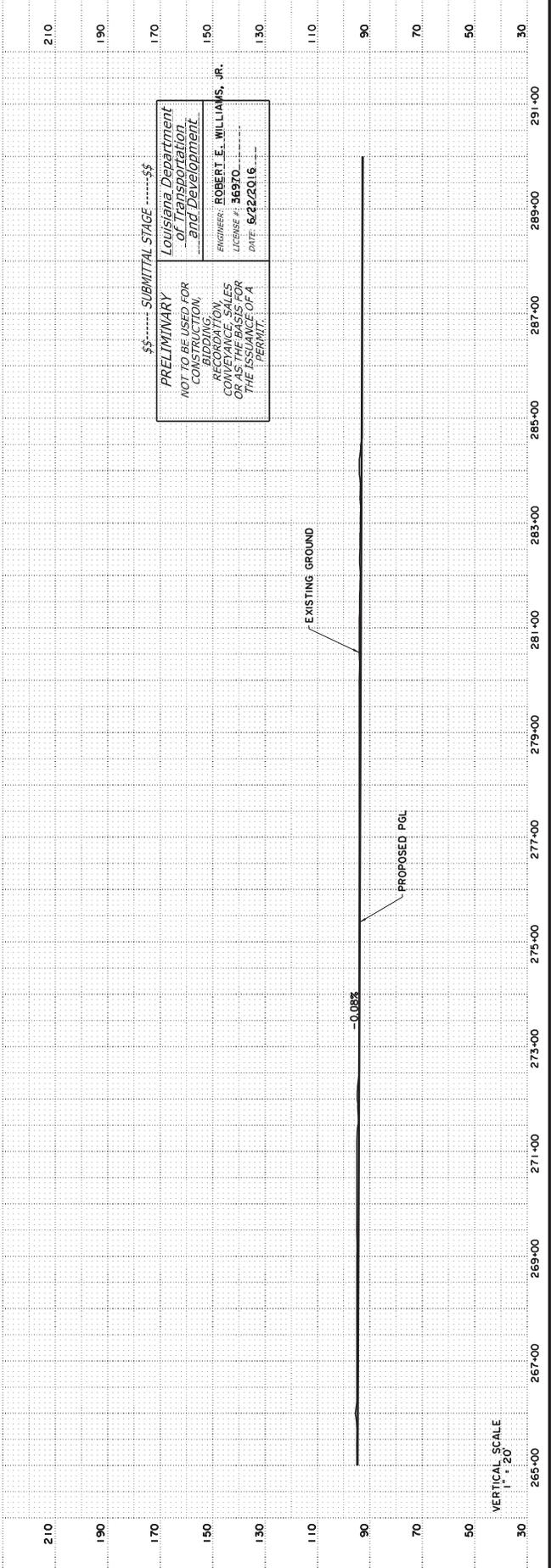
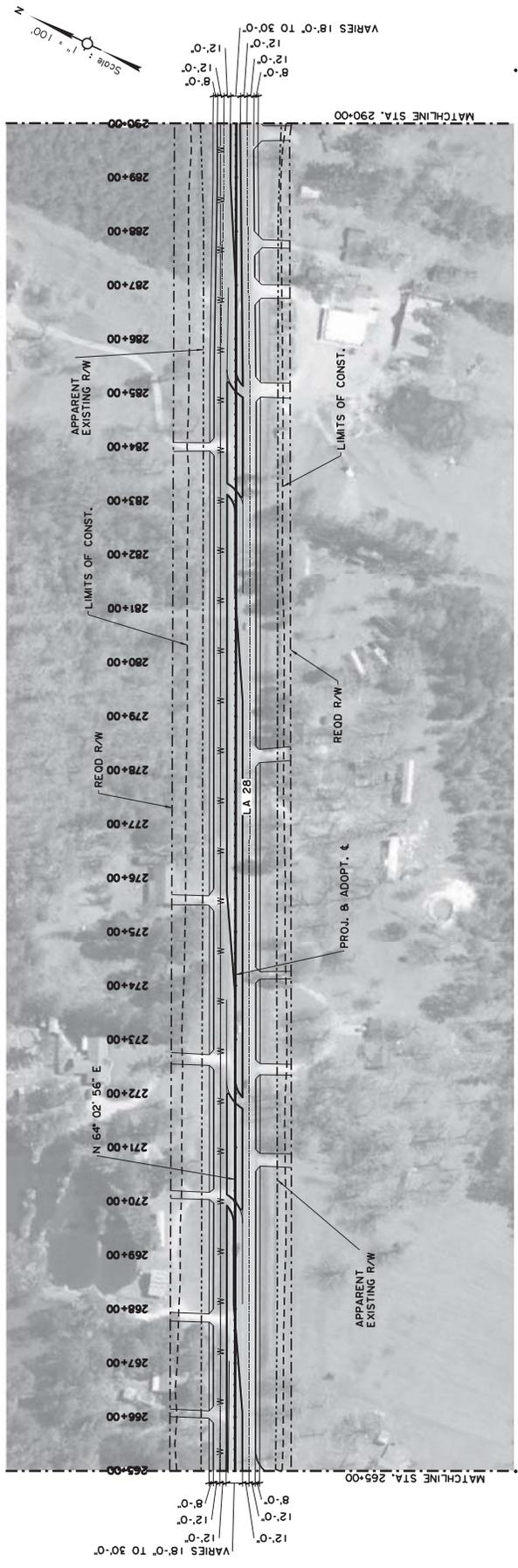
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 OR AS THE BASIS FOR
 THE PERMIT.

ENGINEER: ROBERT E. WILLIAMS, JR.
 LICENSE # 36970
 DATE: 6/22/2016





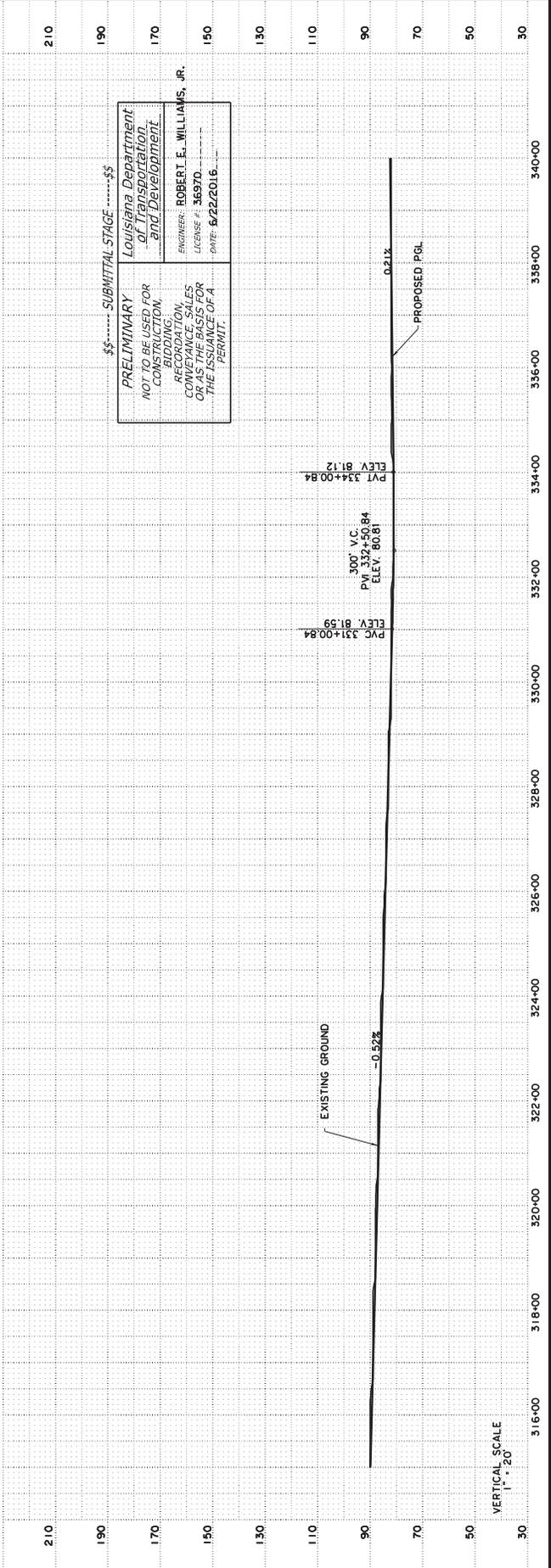
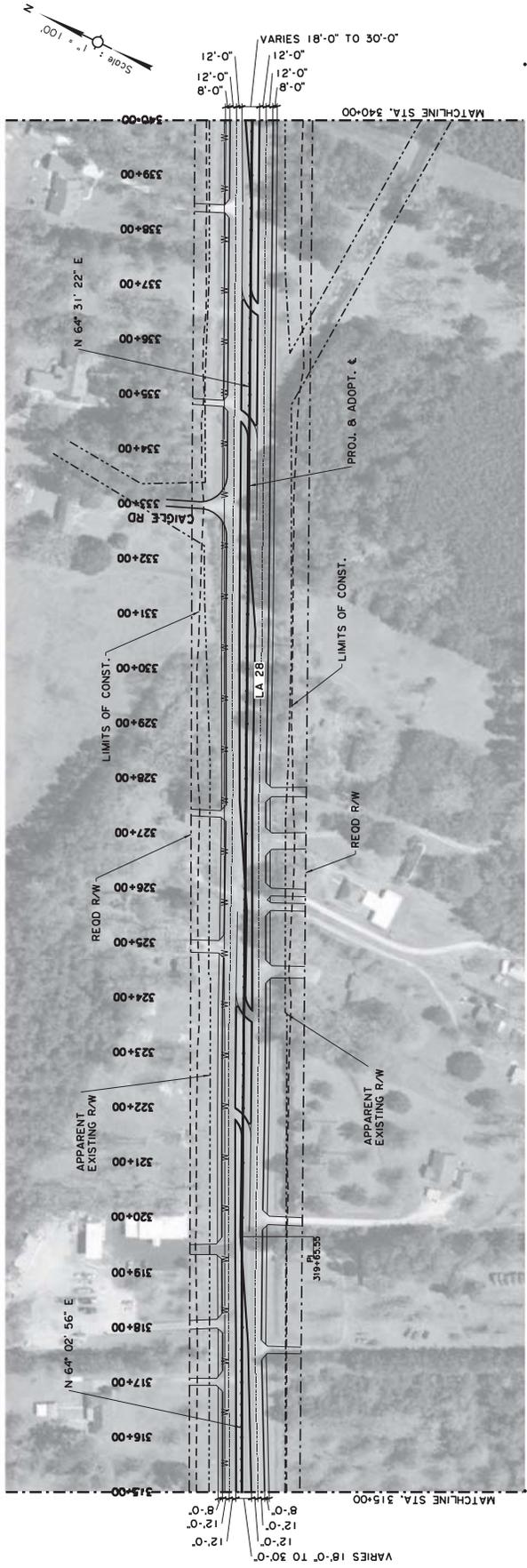
**LA 28 ROAD WIDENING
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 PERMIT.

ENGINEER: **ROBERT E. WILLIAMS, JR.**
 LICENSE # **56970**
 DATE: **6/22/2016**

\$\$\$----- SUBMITTAL STAGE -----\$\$\$



SHEET NUMBER	19A
DATE	JUNE 2016
PROJECT	H.004825.2
DESIGNED	CPC
CHECKED	CPC
APPROVED	CPC
DATE	
BY	
REVISION DESCRIPTION	

PROJECT	H.004825.2
DATE	JUNE 2016
DESIGNED	CPC
CHECKED	CPC
APPROVED	CPC
DATE	
BY	
REVISION DESCRIPTION	



LA 28 ROAD WIDENING
 UAS ALTERNATIVE
 PLAN PROFILE SHEET

