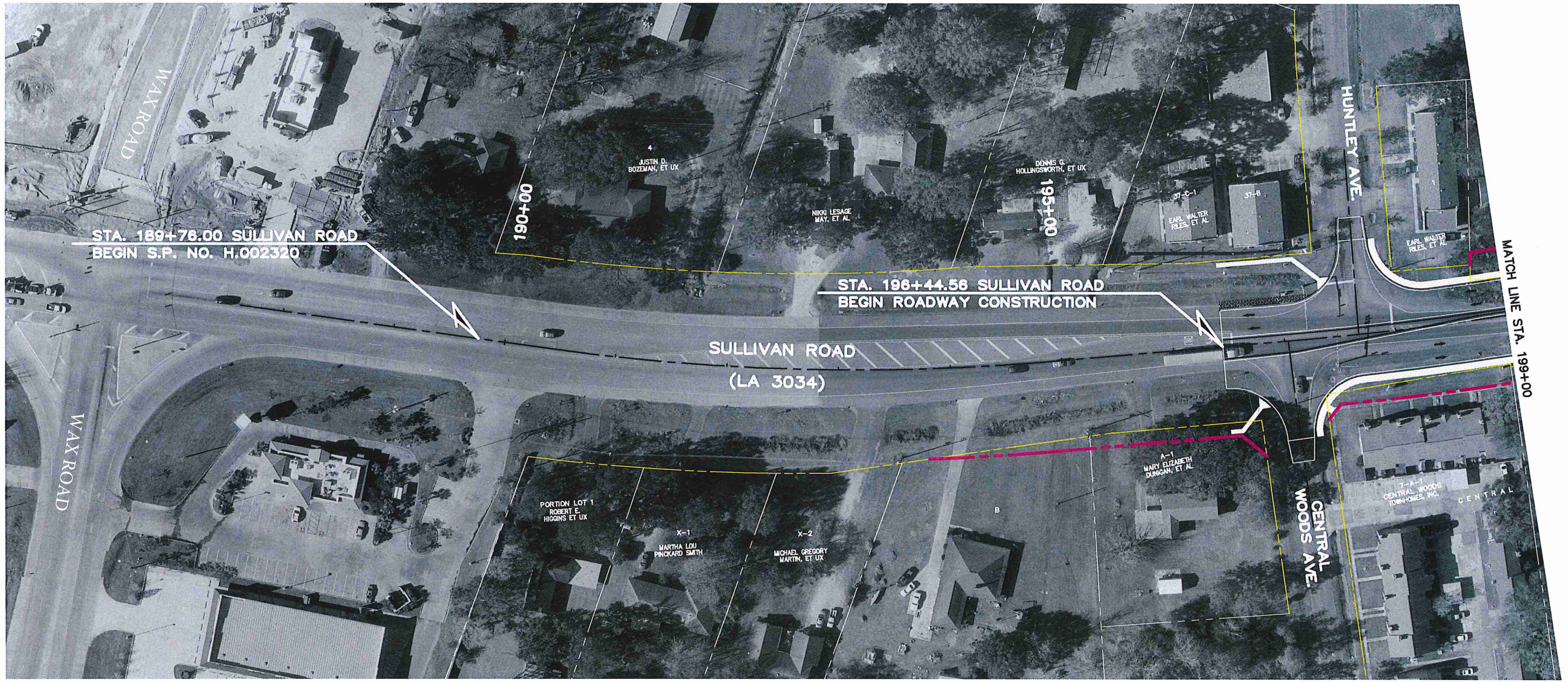
Appendix **A**

Plates

Scale: 1"=50'



FROM STA. 189+76.00 TO 196+44.56 ROADWAY WILL BE CONSTRUCTED UNDER C.P. PROJECT NO. 03-CS-C1-0020

LEGEND

- PROJECTED AND ADOPTED CENTER LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONSTRUCTION SERVITUDE
- PROPERTY LINE
- PROPOSED BACK OF CURB
- PROPOSED EDGE OF TRAVEL LANE
- PROPOSED SIDEWALK
- THROUGH LANE ARROWS
- TURN LANE ARROWS
- DIAGONAL AND CHEVRON CROSSHATCH MARKINGS USED TO DISCOURAGE TRAVEL

Scale: 1" = 50 feet

0 50 100 150 200

SHEET NUMBER	1
PARISH	EAST BATON ROUGE
FEDERAL PROJECT	
STATE PROJECT	H.002320
DESIGNED	J. LOHMANN
CHECKED	A. Nissen
DETAILED	J. Lee
CHECKED	J. LOHMANN
DATE	6/2014
SHEET	1 OF 5

NO.	DATE	REVISION DESCRIPTION	BY

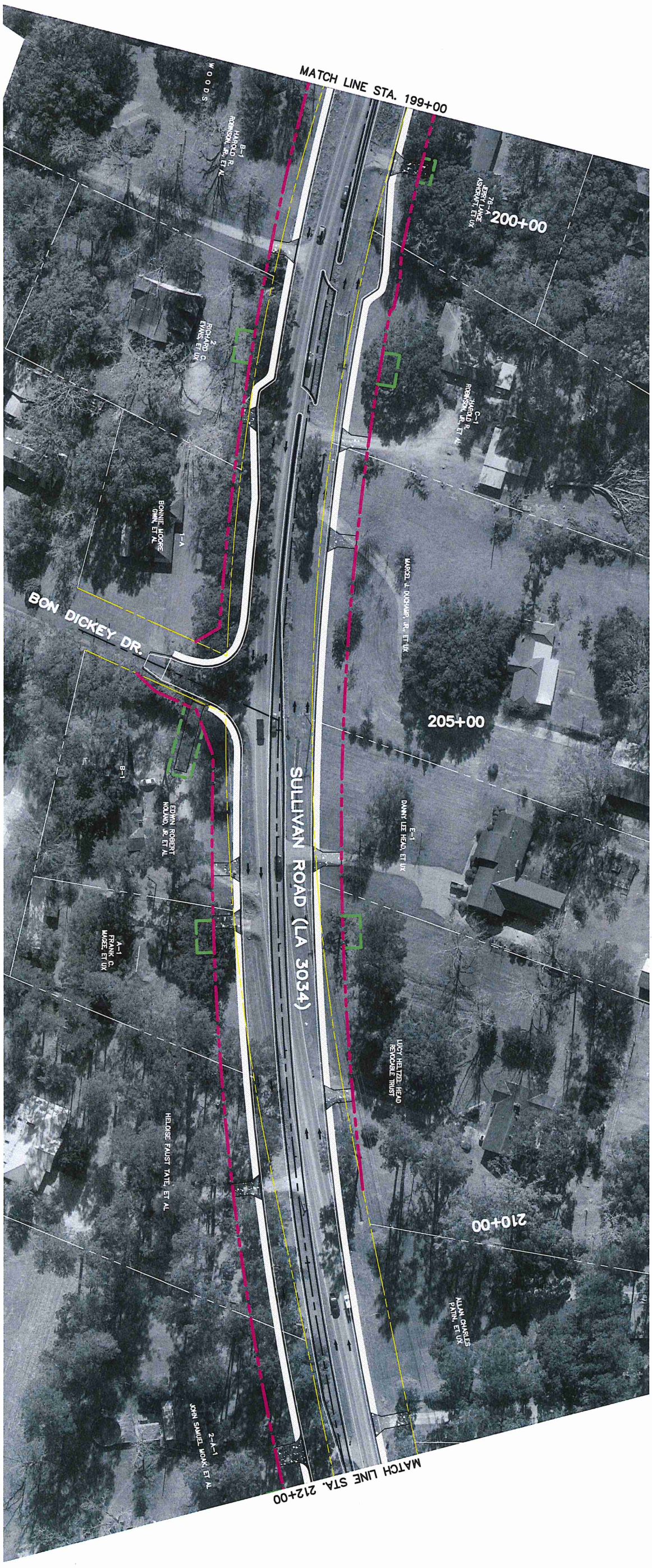
SULLIVAN ROAD
(WAX-HOOPER)

PLAN LAYOUT

PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

G:\10693-3 Sullivan EA\Plan Layout.dwg [Sullivan - EA1] Aug 05, 2014 - 9:46am by lohmann]

Scale: 1"=50'



LEGEND

- PROJECTED AND ADOPTED CENTER LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONSTRUCTION SERVITUDE
- PROPERTY LINE
- PROPOSED BACK OF CURB
- PROPOSED EDGE OF TRAVEL LANE
- PROPOSED SIDEWALK
- THROUGH LANE ARROWS
- TURN LANE ARROWS
- DIAGONAL AND CHEVRON CROSSHATCH MARKINGS USED TO DISCOURAGE TRAVEL

Scale: 1" = 50 feet

0 50 100 150 200

PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD

SULLIVAN ROAD (WAX-HOOPER)

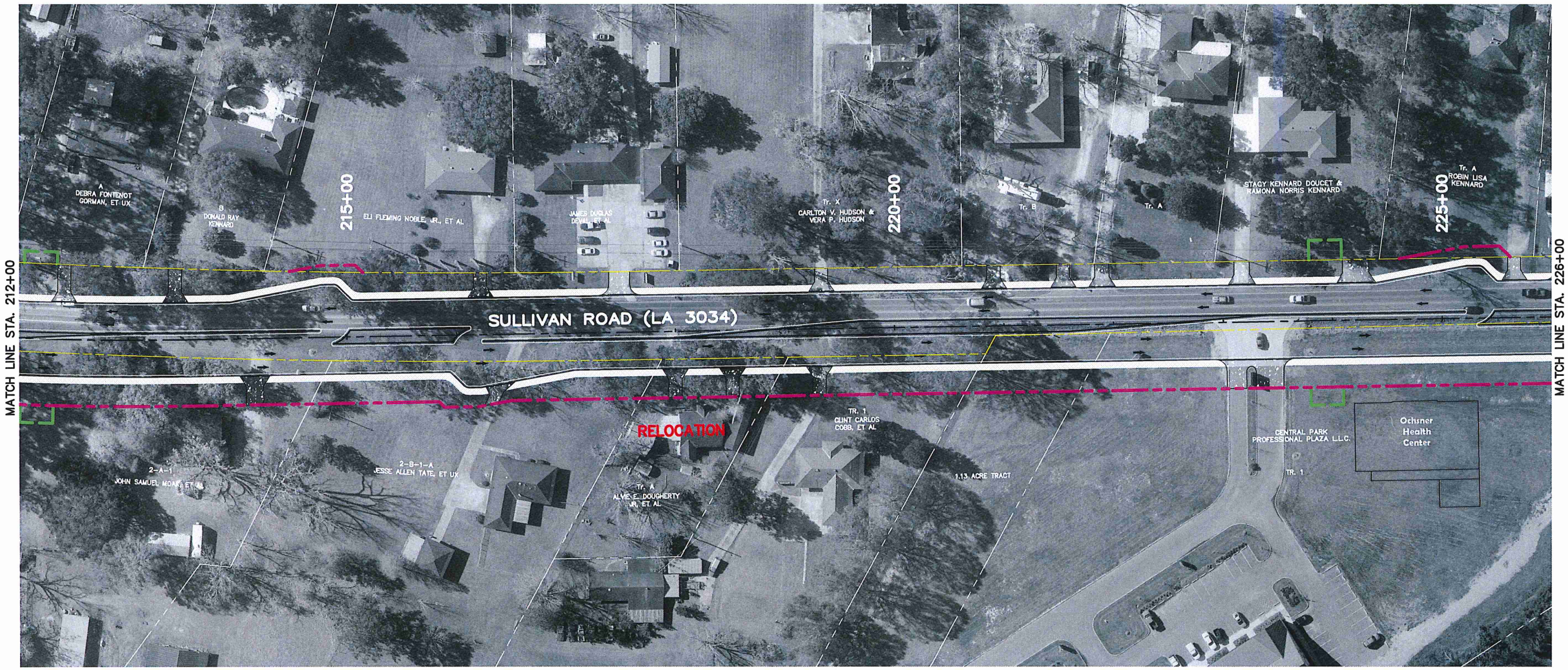
PLAN LAYOUT

STATE OF LOUISIANA UNION · JUSTICE · CONFIDENCE 1845

NO.	DATE	REVISION DESCRIPTION	BY

DESIGNED	J. LOHMANN	PARISH	EAST BATON ROUGE	SHEET NUMBER 2
CHECKED	A. Nissen			
DETAILED	J. Lee	FEDERAL PROJECT		
CHECKED	J. LOHMANN			
DATE	6/2014	STATE PROJECT	H.002320	
SHEET	2 OF 5			

Scale: 1"=50'



LEGEND

PROJECTED AND ADOPTED CENTER LINE
EXISTING RIGHT–OF–WAY
PROPOSED RIGHT OF WAY
PROPOSED CONSTRUCTION SERVITUDE
PROPERTY LINE
PROPOSED BACK OF CURB
PROPOSED EDGE OF TRAVEL LANE
PROPOSED SIDEWALK
THROUGH LANE ARROWS
TURN LANE ARROWS

DIAGONAL AND CHEVRON CROSSHATCH
MARKINGS USED TO DISCOURAGE TRAVEL

Scale: 1" = 50 feet

0 50 100 150 200

SHEET NUMBER	3
PARISH	EAST BATON ROUGE
FEDERAL PROJECT	
STATE PROJECT	H.002320
DESIGNED	J. LOHMANN
CHECKED	A. Nissen
DETAILED	J. Lee
CHECKED	J. LOHMANN
DATE	6/2014
SHEET	3 OF 5

NO.	DATE	BY	REVISION DESCRIPTION

SULLIVAN ROAD
(WAX–HOOPER)

PLAN LAYOUT

PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

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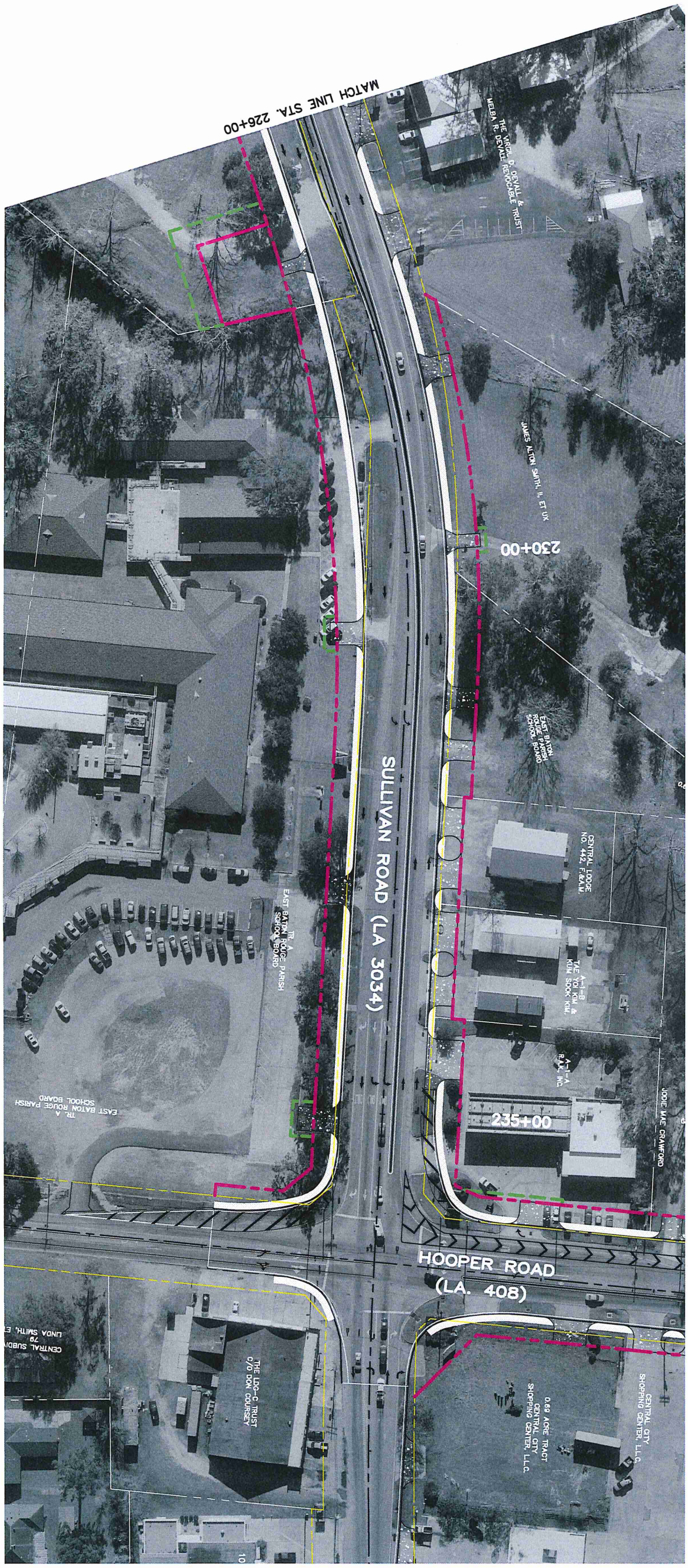


Scale: 1"=50'

LEGEND

- PROJECTED AND ADOPTED CENTER LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONSTRUCTION SERVITUDE
- PROPERTY LINE
- PROPOSED BACK OF CURB
- PROPOSED EDGE OF TRAVEL LANE
- PROPOSED SIDEWALK
- THROUGH LANE ARROWS
- TURN LANE ARROWS
- DIAGONAL AND CHEVRON CROSSHATCH MARKINGS USED TO DISCOURAGE TRAVEL

Scale: 1" = 50 feet

0 50 100 150 200

PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD

SULLIVAN ROAD (WAX-HOOPER)

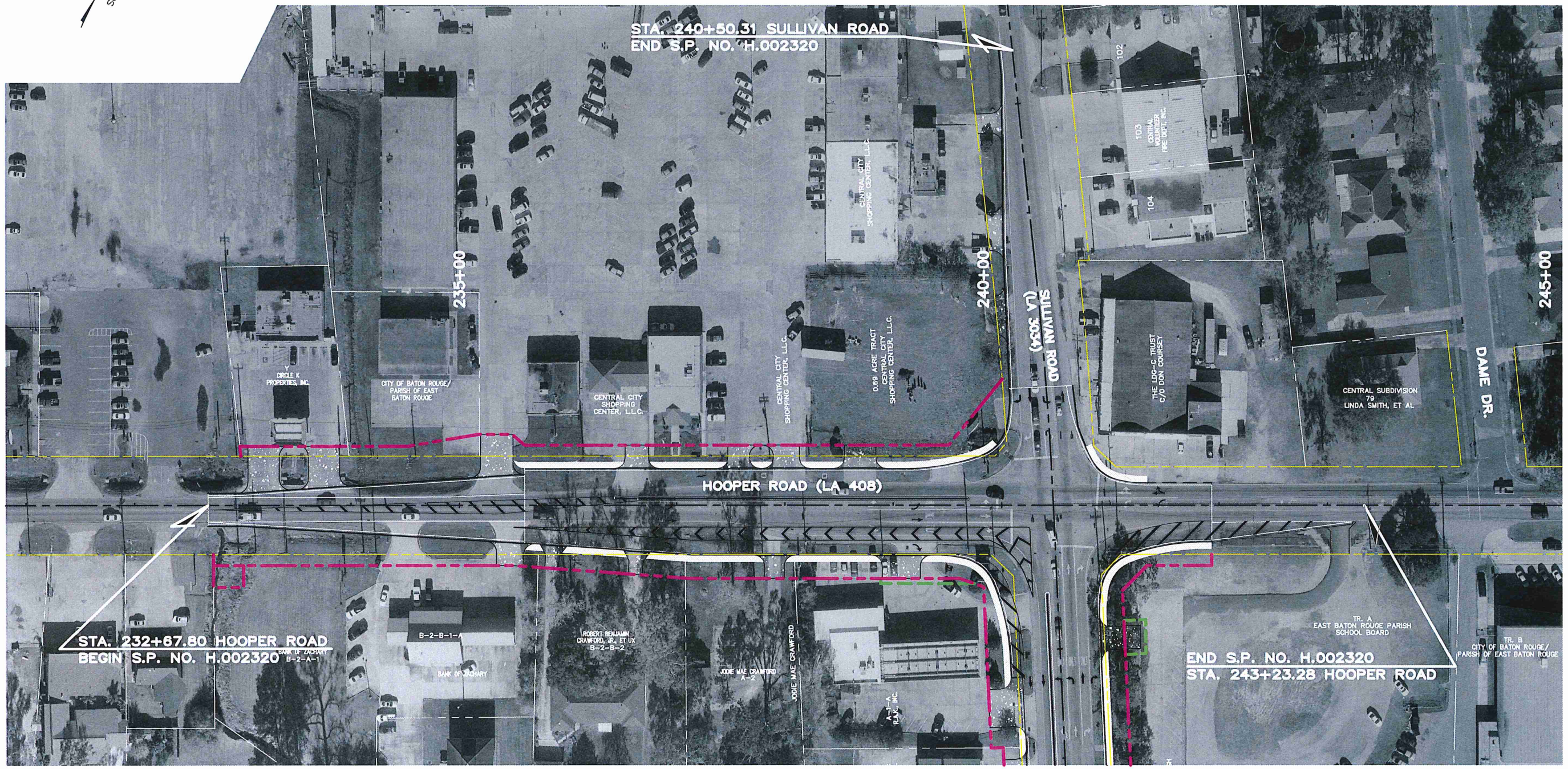
PLAN LAYOUT

STATE OF LOUISIANA UNION JUSTICE CONFIDENCE 1845

NO.	DATE	REVISION DESCRIPTION	BY

DESIGNED	J. LOHMANN	PARISH	EAST BATON ROUGE
CHECKED	A. Nissen		
DETAILED	J. Lee	FEDERAL PROJECT	
CHECKED	J. LOHMANN		
DATE	6/2014	STATE PROJECT	H.002320
SHEET	4 OF 5	SHEET NUMBER	4

Scale: 1"=50'



LEGEND

PROJECTED AND ADOPTED CENTER LINE
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT OF WAY
PROPOSED CONSTRUCTION SERVITUDE
PROPERTY LINE
PROPOSED BACK OF CURB
PROPOSED EDGE OF TRAVEL LANE
PROPOSED SIDEWALK
THROUGH LANE ARROWS
TURN LANE ARROWS

DIAGONAL AND CHEVRON CROSSHATCH MARKINGS USED TO DISCOURAGE TRAVEL

Scale: 1" = 50 feet

0 50 100 150 200

SHEET NUMBER	5
PARISH	EAST BATON ROUGE
FEDERAL PROJECT	
STATE PROJECT	H.002320

DESIGNED	J. LOHMANN
CHECKED	A. Nissen
DETAILED	J. Lee
CHECKED	J. LOHMANN
DATE	6/2014
SHEET	5 OF 5

NO.	DATE	REVISION DESCRIPTION	BY

SULLIVAN ROAD (WAX-HOOPER)

PLAN LAYOUT

PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION

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Appendix **B**

Noise Study

Louisiana Department of Transportation and Development

Traffic Noise Impact and Abatement Study

Sullivan Rd Widening (Wax – Hooper)
SP# H.002320.2
Route: LA 3034 – Sullivan Road
East Baton Rouge Parish

LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

April 2015

Table of Contents

TRAFFIC NOISE ANALYSIS
STATE PROJECT NO.:
H.002320.2
Sullivan Road (Wax – Hooper)
ROUTE: Sullivan Road
PARISH: East Baton Rouge

INTRODUCTION

The planned improvements to the intersection of Hooper Road at Sullivan Road are a part of an improvement project to widen Hooper Road from approximately 750' east of Joor Road to Sullivan Road and Sullivan Road from approximately 635' north of Wax Road to Hooper Road. Hooper Road and Sullivan Road are proposed to be widened to a four lane section with a raised median. The Concept Plan indicates that the lane configuration at the intersection is to remain the same for each approach; however, the westbound left turn lane is proposed to be extended which would eliminate the existing two way left turn between Dame Drive and Sullivan Road.

The proposed project is classified as a Type I Project since additional capacity will be added. Since it is anticipated that federal funding will be used for construction of this project, a traffic noise analysis is mandated by the regulations in the Federal Register under 23 CFR 772.

This report analyzes noise impacts due to the implementation of the captioned project as well as the projected normal traffic growth. Topics discussed include field measurement, computer modeling and methodology, noise impacts, and abatement methods. Projected noise impacts, based on the data for the existing and proposed conditions, will be discussed. Noise abatement measures are evaluated for areas where impacts are anticipated. Traffic noise impacts are defined by Louisiana Department of Transportation and Development (LADOTD) as noise impacts which occur when the predicted traffic noise levels equal or exceed the LADOTD Noise Abatement Criteria (NAC), or when the predicted traffic noise levels exceed the existing noise levels by 10 dBA. The NAC are presented below in Table 1. If it is determined that there are noise impacts in the project area, then noise abatement methods will be analyzed for reasonability and feasibility. The LADOTD noise abatement policy is provided in Appendix C-1.

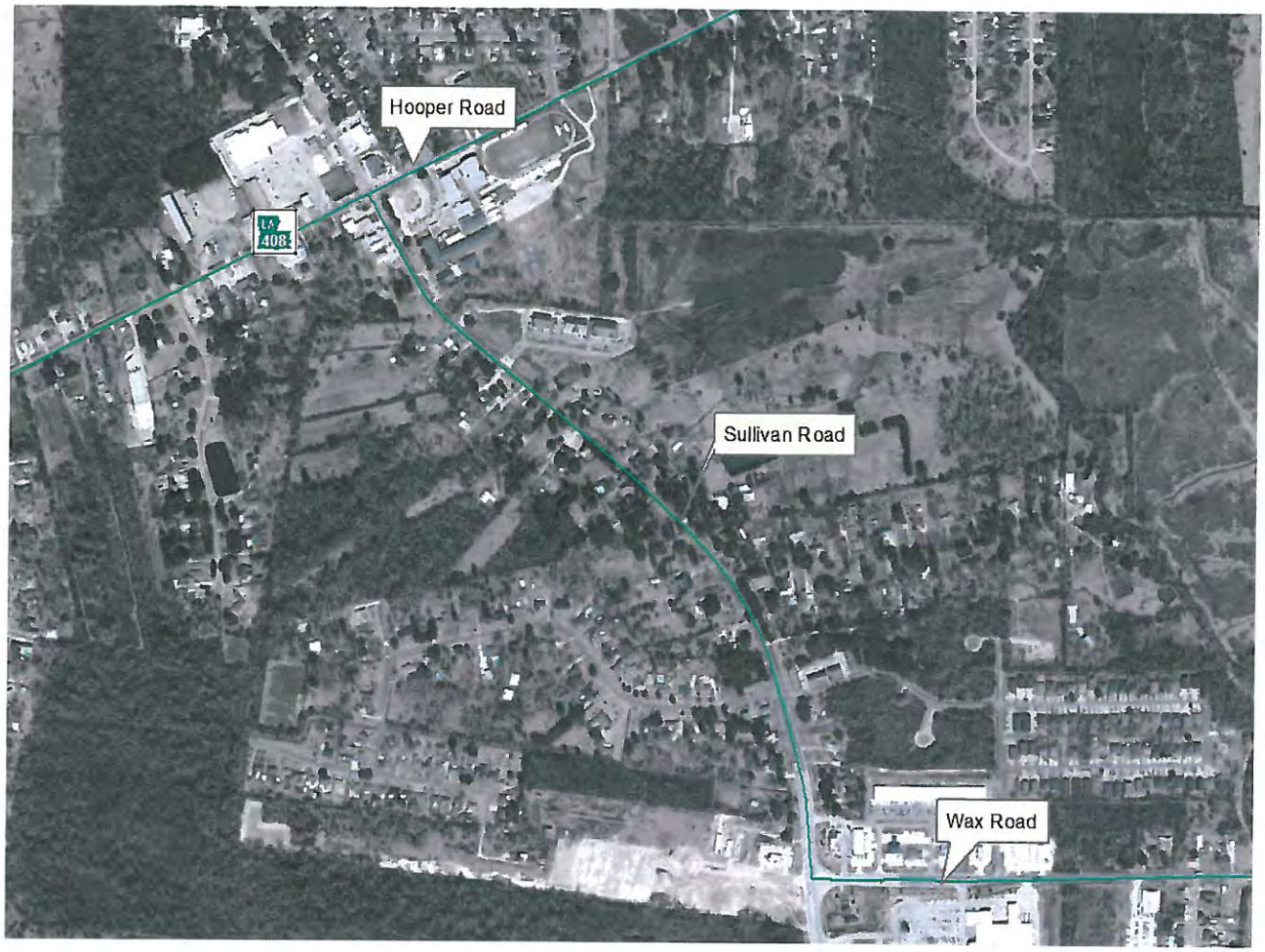

Figure 1: Overhead aerial of project area with labeled roadways.

PURPOSE & SCOPE

The purpose of the project is to improve traffic flow and operations on Sullivan Road between Wax Road and Hooper Road. This is to be completed by widening Sullivan Road from 2 lanes to 4 lanes with a raised median.

The purpose of this noise analysis is to examine the noise impacts associated with the addition of a lane to each direction of Sullivan Rd and to examine the reasonability and feasibility of noise abatement methods.

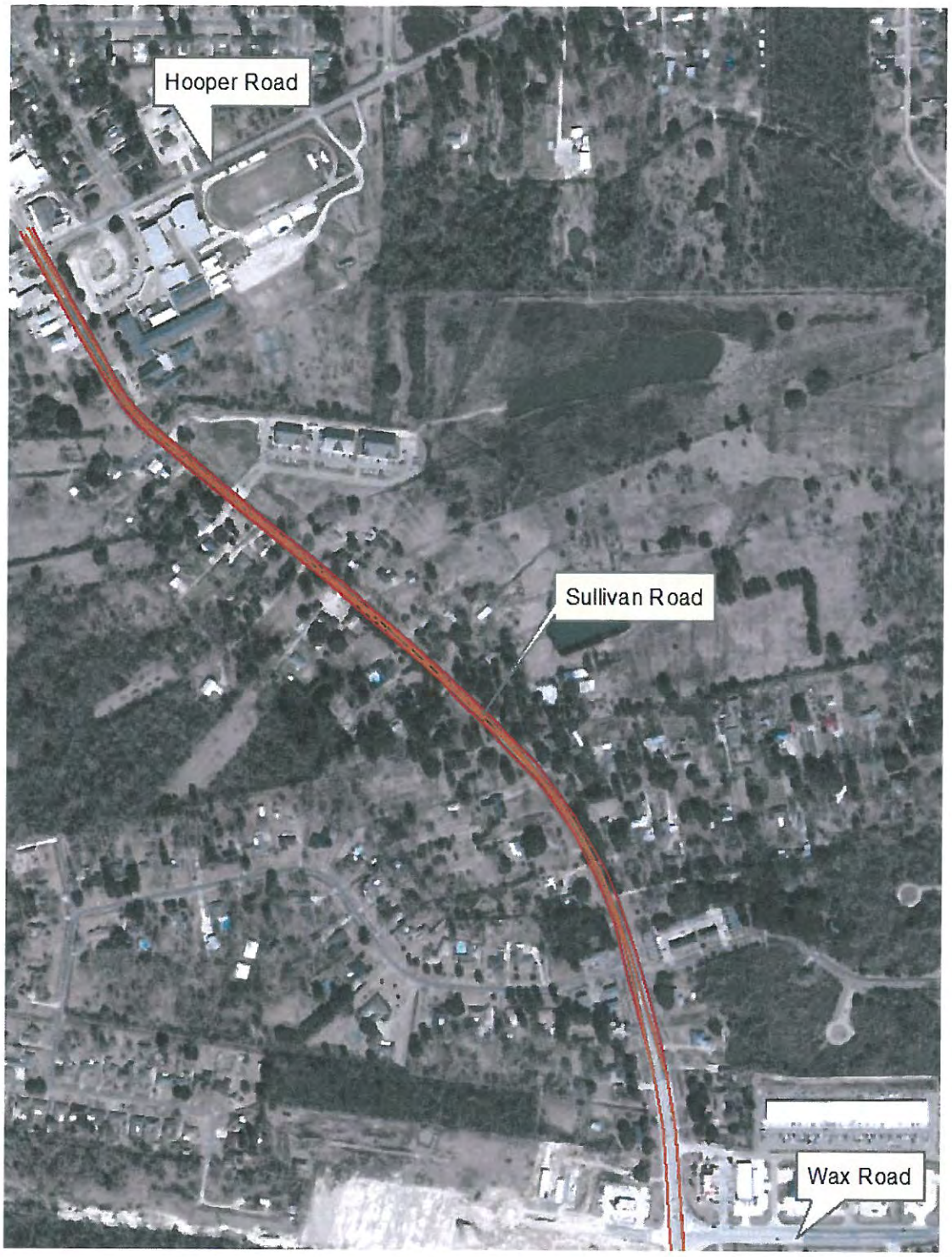

Figure 2: This figure shows the approximate location of the widened lanes.

DESCRIPTION OF LAND USAGE

Current Use

Land usage along the project area consists of a mix of commercial and residential properties, and Central Middle school, located near the northeast end of the project at Hooper Road. There are apartment/ condo communities, as well as a shopping area located along the project area. All units were included in the study. Activity categories for this project are B, C, and E.

Future Use

Future use of the surrounding area will continue to be mixed commercial and residential establishments. All activity categories are expected to remain the same; B, C, and E.

Table 1: FHWA's Noise Abatement Criteria

Activity Category	Activity Leq(H)	Evaluation Location	Activity Description	In LA, impact occurs when noise level is equal to or greater than the values below
A	57	Exterior	Lands where serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose	56
B	67	Exterior	Residential (includes undeveloped lands permitted for residential)	66
C	67	Exterior	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails and trail crossings. (includes undeveloped lands permitted for these activities)	66
D	52	Interior	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.	51
E	72	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F. (includes undeveloped lands permitted for these activities).	71
F	--	--	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.	N/A
G	--	--	Undeveloped lands that are not permitted	N/A

The units for the noise levels are hourly A-weighted sound levels (dBA)

TRAFFIC NOISE MODEL

Modeling Procedures

FHWA Traffic Noise Model 2.5 (TNM) was used to analyze the noise impacts following the *FHWA Highway Traffic Noise: Analysis and Abatement Guide* (FHWA 2011) and the *FHWA Traffic Noise Model User's Guide (Version 2.5 Addendum)* (FHWA 2004). Traffic volume and axle distribution were obtained from the Traffic and Planning Section of LADOTD. Traffic was assumed to increase 3% annually. Traffic speed was modeled at 50 mph, the speed the vehicles actually drive, for automobiles, trucks, motorcycles, and buses along Sullivan Road.

The TNM model combines traffic flow data with a digital representation of the project corridor to predict noise levels. The Average Daily Traffic counts were provided by the LADOTD's Planning and Programming Section. The data included a vehicle classification breakdown for 2008 year and for the future year of 2030. Peak traffic was predicted to be ten percent of the Average Daily Traffic. Sullivan Road was modeled as two 12 foot roadways for the existing condition, and four 12 foot roadways for the build condition.

There are multiple streets and driveways on Sullivan Road along the entire length of the project. This scenario makes a noise barrier ineffective due to the large number of openings and spacing required for the current situation. For this reason, modeling of a barrier was not done, as it would not be reasonable or feasible for construction.

For the TNM model to predict impacts at a certain location there must be a receiver in the area that is exposed to the noise. Seventy two noise receivers were modeled adjacent to the project area. A list of receivers, current noise levels, levels predicted by TNM, and a map of the receiver sites are provided in Appendix C-2


Middle School
HOOPER RD
WAX RD
Sullivan Apartments
42
41
40
35
39
38
37
34
33
31
36
32
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27
26
29
28
23
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24
22
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21
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14
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11
10
8
9
7
6
5
4
2
3
NUMBERS SHOWN CORRESPOND WITH RECEIVER NUMBERS IN THE tnm TABLES LOCATED IN THE APPENDICES

Model Validation

The existing noise levels were measured in November 2008 using an Integrating Sound Level Meter (Model 820, by Larson*Davis). This is a Type I sound level meter. The sound level meter was calibrated at the beginning of the trip and rechecked before each measurement. Measurements were taken in fifteen minute intervals and the traffic was manually counted by LADOTD personnel during each interval. The noise measurements were used to represent the hourly Leq and the traffic that was counted during the fifteen minute interval was multiplied by a factor of four to represent hourly traffic volume.

The model was validated by measuring the noise at two locations along the project corridor and comparing the actual measured noise levels to the noise levels predicted by the TNM model. If the measured noise level was within three decibels of the predicted noise level, then the model results will be considered valid. The two measurement locations used for validating the TNM model are near Central Middle School, located in the northeast quadrant of the intersection of Sullivan Road and Hooper Road, and Sullivan Apartments, located in the northeast quadrant of the intersection of Sullivan road and Central Woods Ave.

These locations are shown in Figure 1 within Appendix C-3. Table 2 shows a summary of the validation results and the details of the model validation can be found in Appendix C-3

Table 2: TNM Validation Results.

Site	Time	Measured Leq (dBA)	Predicted Leq (dBA)	Difference (dBA)
Central Middle School	09:55 am	67	65	2.0
Sullivan Apartments	10:30 am	70	68	2.0

Existing Noise Levels

This simulation predicts which receivers are currently impacted based on the NAC. For a receiver to be impacted it must meet or exceed the NAC criteria. The TNM Model predicted that currently all receptors are impacted except six. The noise levels range from 64.8 dBA to 76.7 dBA. It appears that Sullivan Road is the main contributor to the noise environment for most of the receivers along the project site. Appendix C-4 contains the simulation results for the existing noise levels.

Future No-Build Noise Level

This simulation predicts which receivers will be impacted if the future predicted traffic is forced to travel on the existing road with no improvements. For this simulation, all of the 71 receptors are impacted for the no-build scenario. These noise levels range from 66.8 dBA to 78.6 dBA. It appears that Sullivan Road is the main contributor to the noise environment for all of the receivers along the project site. The results of the future no-build simulation can be found in Appendix C-5.

Future Build Noise Level

This simulation predicts which receivers will be impacted if the future traffic is allowed to travel using the proposed improvements. No barrier was modeled in this scenario as it is not for noise abatement. All of the receivers are impacted, with noise levels ranging from 67.2 dBA to 78.6 dBA. It appears that Sullivan Road is the main contributor to the noise environment for all of the receivers along the project site. The results of the future build simulation can be found in Appendix C-6.

Design Scenario	# of Receivers	#Receivers impacted	66 dB Contour (Feet from Center Line)	71 dB Contour (Feet from Center Line)
Existing Condition	71	65	130	70
Future No Build	71	71	560	220
Future Build	71	71	560	220

ANALYSIS OF THE NOISE ABATEMENT METHODS

Traffic Management Measures

Traffic management measures include using traffic control devices, reducing speed limit, restricting vehicle type or time, and assigning a lane for trucks. Traffic control devices are already installed at the intersection of Hooper Road and Sullivan Road, as well as at the intersection of Sullivan Road and Central Woods Ave. Additional signals would increase traffic congestion. Reducing speed limits to reduce noise levels would only be effective if the limits were reduced substantially, which would likely increase traffic congestions and delays. Thus, these measures are not feasible or reasonable.

Alteration of Horizontal and Vertical Alignments

The scope of the project is to widen the existing roadway. Altering the current alignments would most likely result in additional impacts to the surrounding properties. Also, there would be additional costs associated with purchasing right-of-way since there is limited corridor space available. This measure is not considered to be feasible or reasonable.

Construction of Noise Barriers

According to the noise abatement criteria set in the LADOTD Highway Traffic Noise Policy, a noise barrier must be both feasible and reasonable before it can be proposed. The criteria for meeting each requirement is below:

Feasibility includes concerns such as engineering, maintenance, safety, drainage issues and 75% of the first row of impacted receptors achieving at least a 5 dBA reduction in highway traffic noise.

Reasonableness includes achieving the noise reduction design goal, cost effectiveness, and concurrence of benefited receptors. In order to meet the noise reduction goal, at least one receptor must receive an 8 dBA reduction. To be considered reasonable, feasibility requirements must first be met

A noise wall would generally be analyzed for noise abatement effectiveness, but due to the frequent placement of driveways, no noise reduction would occur because of the frequent gaps in wall coverage. Achieving the feasibility criterion of 75% of impacted first row receivers gaining a 5 dBA reduction, and the reasonableness criterion of an 8 dBA reduction for at least one receiver would not be possible under these circumstances. Thus, these measures are not feasible or reasonable.

Noise Insulation of Public Use or Nonprofit Institutional Structures

No public use or nonprofit institutional structures are located adjacent to the project area; therefore, none were modeled in this analysis.

RECOMMENDATIONS FOR FUTURE ZONING

Approximate locations of the 71 dBA threshold and 66 dBA thresholds are given in order to help the local communities with planning. Under the current conditions, the 66 dBA and 71 dBA thresholds appear to be within existing LADOTD right of way. Under both the Future Build and Future No Build Scenarios, the threshold lines appear to be in near locations. The 71 dBA threshold is approximately 220 feet from the centerline of the roadway, and the 66 dBA threshold is approximately 560 feet from the centerline of the roadway.

ANALYSIS OF CONSTRUCTION NOISE

Construction noise is expected to have temporary impacts upon all of the receptors in the area. The particular receivers of concern are the ones located within 500 feet of the project centerline. It is recommended that all construction operations be restricted to working hours whenever possible.

Abatement measures should be employed whenever possible. All construction equipment such as pumps, compressors, generators, bulldozers, cranes, trucks, etc., should be properly muffled and all motor panels should be closed to reduce the noise impacts. Section 107.14 of the Louisiana Standard Specifications for Roads and Bridges, 2006 edition, and the FHWA Highway Construction Noise Handbook (FHWA-HEP-06-015, August 2006) can be referenced for further details on the sources and abatement of construction noise.

CONCLUSIONS AND RECOMMENDATIONS

There are commercial and residential receivers located adjacent to the project area that will be impacted by noise due to this project. Barrier modeling was not performed as part of this noise study as barriers would not meet criteria for feasibility or reasonableness. Therefore, a noise wall will not be built as part of this project.

Construction noise generated as a result of the proposed project will cause temporary impacts to the sensitive receivers. The construction contractor will minimize noise impacts by adhering to the abatement measures stated in Section 107.14 (Environmental Protection) of the Louisiana Standard Specification for Roads and Bridges, 2006 edition.

Appendix C-1

LADOTD Noise Abatement Policy

STATE OF LOUISIANA

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

HIGHWAY TRAFFIC NOISE POLICY

July 2011

TABLE OF CONTENTS

INTRODUCTION

This document contains the Louisiana Department of Transportation and Development's (DOTD) policy on highway traffic noise. This policy describes the implementation of the requirements of the Federal Highway Administration (FHWA) noise regulations for Federal-aid projects found in 23 Code of Federal Regulations Part 772 (23 CFR Part 772).[1] DOTD developed this policy in accordance with FHWA regulations and guidance, and FHWA reviewed and approved this policy for implementation.

In the 1972 Federal-aid Highway Act, Congress required FHWA to develop a noise standard for new Federal-aid highway projects. In accordance with 23 United States Code section 109(i) (23 USC 109(i)), FHWA promulgated noise regulations which applied to Federal-aid projects. In June 1995, FHWA mandated that state transportation agencies adopt a written Highway Traffic Noise Policy consistent with the regulations and their June 1995 guidance. DOTD complied, with its first written policy approved by FHWA in August 1996. Since its initial approval, the DOTD highway traffic noise policy has been revised three times, in 1997, 2004 and 2009. Each revision required FHWA review and approval prior to implementation. On July 13, 2010, FHWA published their new noise regulations in the Federal Register[2] and mandated that state transportation agencies rewrite their noise policies to be consistent with the new regulations. The states were given until January 2011 to submit proposed policies for FHWA review. To assist states in rewriting their policies, FHWA published guidance dated June 2010 and revised January 2011 which can be found on FHWA's web site.[3] The effective date of the new regulations is July 13, 2011.

The policy herein contains information on how highway traffic noise impacts are defined, how noise abatement is evaluated, and how noise abatement decisions are made in Louisiana. **This policy as written assumes that the noise analyst is familiar with the provisions of the Federal regulation on which this policy is based.** If you need further information regarding the policy, contact the DOTD Environmental Section at (225) 242-4502.

PURPOSE

The purpose of this written policy is to outline DOTD's policy and procedures for compliance with the FHWA Noise regulations found at 23 CFR 772.

[1] Access CFR regulations from http://www.gpoaccess.gov/cfr/retrieve.html
[2] Access Federal Register, Vol. 75, page 39820 from FR Main page at http://www.gpoaccess.gov/fr/index.html
[3] Access FHWA noise guidance, regulations, and related material from http://www.fhwa.dot.gov/environment/noise/

DEFINITIONS

Reference is made to the definitions contained in the regulations (23 CFR 772.5). Defined below are some of the terms specifically referenced in the policy or which require additional refinement.

Benefited Receptor - a recipient of an abatement measure, whether impacted or not, receiving 5 dBA or more reduction in the noise level as a result of the proposed abatement.

Common Noise Environment – a group of receptors within the same Activity Category in Table 1 that are exposed to similar noise sources and levels; traffic volumes, traffic mix, and speed; and topographic features.

Date of Public Knowledge - the date of approval of the Record of Decision, Finding of No Significant Impact, or Categorical Exclusion. The date of public knowledge is the date at which the DOTD will no longer be responsible for providing noise abatement for new development which occurs adjacent to the proposed project. Provision of such abatement measures becomes the responsibility of the local communities or private developers.

Design Year – the future year used to estimate the probable traffic volume for which a highway is designed. The design year will normally be 20 years from the projected start of project construction.

Existing Noise Levels – the worst noise hour, resulting from the natural and mechanical sources and human activity, usually present in a particular area.

Leq – the equivalent steady-state sound level which in a stated period of time contains the same acoustic energy as a time-varying sound level during the same period.

Leq(h) – the hourly value of Leq.

Multifamily Dwelling – A residential structure containing more than one residence. Each residence in a multifamily dwelling shall be counted as one receptor when determining impacted and benefited receptors.

Noise Reduction Design Goal – the optimum desired noise reduction determined from calculating the difference between future build noise levels with abatement to future build noise levels without abatement. The noise reduction design goal in Louisiana is 8 dBA.

Permitted – A definite commitment to develop land with an approved specific design of land use activities as evidenced by the issuance of a building permit.

Property Owner – an individual or group of individuals that hold a title, deed, or other legal documentation of ownership of a property or a residence.

Receptor – A discrete or representative location of a noise sensitive area(s), for any of the land uses listed in Table 1.

Residence – a dwelling unit. Either a single family residence or each dwelling unit in a multifamily dwelling.

Statement of Likelihood – A statement provided in an environmental document based on the feasibility and reasonableness analysis at the time the document is being approved.

Traffic Noise Impacts – design year build condition noise levels that *approach* or exceed the FHWA Noise Abatement Criteria for the future build condition, or design year build condition noise levels that exceed the existing noise levels by 10 dBA. (*Approach* is defined as 1 dBA less than the FHWA Noise Abatement Criteria.)

Type I Project –
(1) The construction of a highway on new location; or
(2) The physical alteration of an existing highway where there is either:
    (a) Substantial Horizontal Alteration (a project that halves the distance between the traffic noise source and the closest receptor between the existing condition to the future build condition), or
    (b) Substantial Vertical Alteration (a project that removes shielding therefore exposing the line-of-sight between the receptor and the traffic noise source by altering the vertical alignment of the highway or by altering the topography); or
(3) The addition of a through-traffic lane. This includes the addition of a through-traffic lane that functions as a HOV, HOT, bus, or truck climbing lane; or
(4) The addition of an auxiliary lane, except for when the auxiliary lane is a turn lane; or
(5) The addition or relocation of interchange lanes or ramps added to a quadrant to complete an existing partial interchange; or
(6) Restriping existing pavement for the purpose of adding a through-traffic lane or an auxiliary lane; or
(7) The addition of a new or substantial alteration of a weight station, rest stop, ride-share lot or toll plaza.
*Note that if a project is determined to be a Type I project, then the entire project area as defined in the environmental document is a Type I project.

Type II Project – a proposed project to provide noise abatement on an existing highway. DOTD does not have a Type II program.

Type III Project – a proposed project that does not meet the classification of a Type I or Type II project. Type III projects do not require a noise analysis.

APPLICABILITY

This policy applies to all Federal highway projects in the State of Louisiana; that is, any projects that receive Federal-aid funds or are otherwise subject to FHWA approval.

This policy also applies to the construction of <u>new</u> control of access highways that are funded through DOTD with no FHWA involvement.

Type II programs to provide noise abatement along existing highways are voluntary. DOTD does not have a Type II program; therefore, DOTD will not consider Type II projects.

DOTD will consider and construct barriers when sufficient funds (Federal or State) are appropriated by either State or Federal legislature specific to the construction of a barrier. These legislative mandated barriers may or may not be part of a Type I project. These barriers will be designed in accordance with the legislation as to location, height, and other parameters. If the design parameters are not specified in the legislation, the barrier will be designed to achieve a reasonable noise reduction in accordance with this policy.

This policy shall not prohibit the application of visual screens or security fences. Visual screens and security fences are not eligible for Federal-aid funding as noise abatement.

TRAFFIC NOISE ANALYSIS

The traffic noise analysis will include the steps listed below for each alternative under detailed study. Note that if any segment or component of an alternative meets the definition of a Type I project, then the entire alternative is considered to be Type I and is subject to the noise analysis requirements below.

1. **Identification of Existing Land Uses Affected by Noise:** The following types of activities and land uses affected by noise from the highway will be identified for analysis:
    a. Category A: Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose;
    b. Category B: residential;
    c. Category C: active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings;
    d. Category D: auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios;
    e. Category E: hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F;
    f. Category F: agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing; and
    g. Category G: undeveloped lands that are not permitted.

    Justification for the designation of lands as Category A must be submitted to FHWA on a case-by-case basis for concurrence. Justifications will be submitted through the FHWA Division Office to FHWA Headquarters.

2. **Determination of Existing Noise Levels:** The determination of existing noise levels will be made utilizing field measurements of actual noise levels. A log will be kept noting the time of day, meteorological conditions, calibration results, and any unusual ambient noise sources experienced during each measurement.

Noise measurements will be taken utilizing ANSI Type 1 or Type 2 Sound Level Meters used in accordance with the manufacturer's operations manual. Meters are to be calibrated before and after each measurement. Meters should have valid factory calibration certification. Measurements should be done in accordance with the FHWA publication entitled, "Measurement of Highway – Related Noise," dated May 1996.[4]

Noise measurements will be taken in time intervals no shorter than 15 minutes and no longer than one hour unless alternate intervals are given prior approval by DOTD.

Actual traffic counts will be made during each field measurement. These traffic counts will be categorized according to the following vehicle classes:

Automobiles (A) – all vehicles with two axles and four wheels designed primarily for transportation of nine or less passengers or transportation of cargo.

Medium Trucks (MT) – all vehicles with two axles and six wheels designed for the transportation of cargo.

Heavy Trucks (HT) – all vehicles having three or more axles designed for the transportation of cargo.

Buses (B) – all vehicles designed to carry more than nine passengers.

Motorcycles (M) – all vehicles with two or three wheels and an open-air driver/passenger compartment.

Sites selected for field measurements will receive prior approval of DOTD. These sites will represent noise sensitive receptors in each Activity Category which are likely to be affected by the project. Sites outside of the immediate vicinity of the project may also be chosen to determine the ambient noise levels unaffected by the roadway. For proposed highways on new alignments where no highway currently exists, measurements must be taken at representative receptor locations. Unless specifically approved by DOTD, field measurements will be taken to represent exterior activities only.

Field measurements will be taken at approved sites at peak and off-peak times. Peak hour noise levels will be the hour with the highest noise levels, not necessarily the hour with the highest traffic volumes.

Upon the consent of the Environmental Engineer Administrator, existing noise levels may be determined by utilizing other methodology, including computer models consistent with the current FHWA highway traffic noise prediction model. Traffic characteristics, data, selection of receptor locations, and other input parameters utilized will be at the discretion of DOTD.

[4] Located on web at http://www.fhwa.dot.gov/environment/noise/measurement/measure.cfm

3. **Prediction of Traffic Noise Levels:** Any traffic noise prediction methodology is approved for use in any traffic noise analysis required by this policy if the methodology used at the time the noise study is consistent with the requirements of 23 CFR 772.9.[5]

   Report predicted noise levels in the noise report and related documents in the same format as reported by the model used.[6]

   To validate model results, it is necessary to compare the noise levels measured in the field to the noise levels predicted by the model using the roadway parameters and traffic data collected in the field. If the modeled results are within 3 dBA of the measured noise levels, no further action is required, and the model can be used to determine future noise levels. If the modeled results are not within 3 dBA of the measured noise levels, then further investigation is warranted into the reason(s) for the discrepancy prior to using the model to determine future noise levels.

   In predicting noise levels and assessing noise impacts, traffic characteristics that will yield the worst hourly traffic noise impact on a regular basis for the design year will be used. The period with the highest sound levels may not be at the peak traffic hour but instead, during some period when traffic volumes are lower but the truck mix or vehicle speeds are higher.

   Future noise levels will be based on modeling results utilizing data for the design year. This data, including traffic volumes, composition and speed, other reasonably foreseeable development, and the implementation of other transportation projects, will be based on accepted engineering practice and local planning assumptions.

4. **Determination of Traffic Noise Impacts:** Traffic noise impacts occur when the future (predicted, design year, build condition) noise levels *approach or exceed* the FHWA Noise Abatement Criteria, or when the future (predicted, design year, build condition) noise levels exceed the existing noise levels at any sensitive receptor by 10 dBA. FHWA requires that the States define *approach* as at least 1 dBA below their Noise Abatement Criteria.

[5] The approved model in effect on July 13, 2011, the effective date of the regulations, is FHWA TNM version 2.5. When running the TNM 2.5 model, average pavement type must be used for prediction of future noise levels unless FHWA approves use of another type.

[6] The current approved model, TNM, reports results in tenths, a decimal format (##.#).

FHWA Noise Abatement Criteria
Hourly A-weighted Sound Level decibels (dBA)

Activity category	Activity Leq (h)	Evaluation Location	Activity Description	In Louisiana, Impact occurs when Noise Level ***IS EQUAL TO OR GREATER THAN*** the values below*
A	57	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.	**56**
B	67	Exterior	Residential (includes undeveloped lands permitted for residential).	**66**
C	67	Exterior	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings. (Includes undeveloped lands permitted for these activities).	**66**
D	52	Interior	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.	**51**
E	72	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F. (Includes undeveloped lands permitted for these activities).	**71**
F	------	------	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.	**n/a**
G	------	------	Undeveloped lands that are not permitted.	**n/a**

*These values are consistent with the FHWA's requirement for consideration of traffic noise impacts 1 dBA below their noise abatement criteria.

The noise analysis must include analysis for each type of receptor present in the study area. Noise contour lines shall not be used to determine noise impacts, but noise contour lines can be used for project alternative screening or for land use planning purposes.

In determining and abating traffic noise impacts, primary consideration is to be given to exterior areas of frequent human use. Examples of possible receptor locations for residential receivers are patios, courtyards, front or back yard, pool areas, etc. Generally, the receptor location which lies between the noise source and the receiver is chosen as the location to model. If the circumstances of a particular receiver are atypical, contact the DOTD Environmental Section Coordinator for guidance.

In determining the number of receptors impacted/benefited, the number will include all dwelling units (i.e., owner-occupied, rental units, mobile homes, etc.). Each unit in a multifamily building is counted as one receptor.

For hotels, motels, offices, and other developed lands, receptor locations will be sited at outdoor areas of frequent human use such as patios, courtyards, pool areas, locations of outdoor seating, etc.

For parks and recreational areas, model each designated use area as a receptor location. For example, the park may have ball fields, basketball courts, playground equipment, tennis courts, picnic area, pool, etc. Each of these specific activity areas would be modeled to determine noise impact at each of these locations.

In those situations where there are no exterior activities to be affected by the traffic noise, or where exterior activities are far from or physically shielded from the roadway in a manner that prevents an impact on exterior activities, the interior criterion, Activity Category D, shall be used as the basis of determining noise impacts. An indoor analysis shall only be done after exhausting all outdoor analysis options. Interior noise level predictions may be estimated by using the information in Table 6 of FHWA's guidance document entitled, "Highway Traffic Noise: Analysis and Abatement Guidance," dated June 2010 and revised January 2011.[7]

When applying the interior criterion, consideration is given to the impact and abatement of interior rooms facing the roadway that are occupied frequently with a use that would benefit from a reduction in noise. For example, a classroom, prayer room, or meeting room would benefit from a reduction in noise, but a storage room or boiler room would not. When determining the cost for reasonableness, one building is one receptor, although multiple rooms may be insulated or provided noise reduction windows.

For Category F, no highway noise analysis is required under 23 CFR 772.

For Category G, if the undeveloped land is not permitted for development by the date of public knowledge, the noise levels are determined in accordance with 23 CFR 772.17(a) and results are documented in the environmental document.

[7] On-line guidance available at FHWA website, http://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/analysis_and_abatement_guidance/

5. **<u>Evaluation of Noise Abatement</u>:** When traffic noise impacts are identified, noise abatement shall be considered and evaluated for *feasibility* and *reasonableness*. Traffic noise impacts will be determined and alternative noise abatement measures analyzed by giving weight to the benefits and cost of abatement, and to the overall social, economic and environmental impacts.

   In abating traffic noise impacts, primary consideration is given to exterior areas where frequent human use occurs and a lowered noise level would be of benefit.

   The noise abatement measures listed below may be incorporated into Type I Federal or Federal-aid projects to reduce traffic noise impacts.

   (1) Construction of noise barriers, including acquisition of property rights, either within or outside the highway right-of-way. Landscaping is not a viable noise barrier;

   (2) Traffic management measures (e.g., traffic control devices and signing for prohibition of certain vehicle types, time-use restrictions for certain vehicle types, modified speed limits and exclusive lane designations);

   (3) Alteration of horizontal and vertical alignments;

   (4) Acquisition of property rights (predominantly unimproved property) to serve as a buffer zone to preempt development which would be adversely impacted by traffic noise;

   (5) Noise insulation of Activity Category D land use facilities listed in Table 1. Post-installation maintenance and operational costs for noise insulation are not eligible for Federal-aid funding.

   Feasibility:

   For a noise barrier to be considered acoustically feasible, 75% of the first row of impacted receptors adjacent to the barrier must achieve at least a 5 dBA reduction in highway traffic noise.

   Other feasibility factors that will be considered are safety, barrier height, topography, drainage, utilities, maintenance of the abatement measure, and access to adjacent properties.

   DOTD will not build noise barriers that it considers unsafe to the traveling public or adjacent properties. Topography and drainage may impact the design of the barrier or make the barrier unfeasible to construct. Utilities may render a barrier unfeasible when a conflict between the utility and barrier exists and the utility cannot be moved or cannot be moved without creating other insurmountable problems. (Note that the cost to relocate a utility will be added to the cost of the barrier when the relocation is necessary for the construction of the barrier. If this relocation cost is large, the barrier, although feasible, may become unreasonable due to cost.) DOTD must be able to access the barrier for maintenance purposes. If access cannot be obtained, the barrier is unfeasible. When access to adjacent properties must be maintained, a barrier may be unfeasible if it cannot be designed to provide the needed access. Noise barriers

that block existing driveways are considered unfeasible; however, there may be situations whereby the property owners agree in writing to forfeit their access eliminating this concern. Situations may arise whereby access is needed for seasonal activities such as maintenance or management of adjacent properties. These situations will be considered on case by case basis.

Noise barriers on bridges are limited to a maximum height of 14 feet, measured from top of noise barrier to bridge slab. Costs associated with mounting the barrier to the bridge, including the cost to modify the bridge structure to support the barrier, will be added to the cost of the barrier for determining reasonableness.

Reasonableness:

For abatement measure to be considered reasonable all of the following three criteria must be met: (a) achievement of the noise reduction design goal, (b) cost effectiveness, and (c) concurrence of benefited receptors.

(a) Noise Reduction Design Goal: When noise abatement measures are being considered, every effort will be made to obtain a substantial noise reduction of at least 8 dBA. At a minimum, at least one receptor must receive an 8 dBA reduction for the noise abatement system to be reasonable. For noise barriers meeting the abovementioned criteria, the height and length of the barrier will be optimized using the cost/benefited receptor ratio.

(b) Cost Effectiveness: The cost estimate of the noise abatement measure (including but not limited to the costs of real estate acquisition, construction servitude or utility relocation) should be equal to or less than $35,000 per benefited receptor. The unit cost used to estimate the cost of likely barriers will be updated regularly (at least every five years) and published on DOTD's web site. *The final analysis regarding cost effectiveness will occur during design when more detail information is available regarding the cost of the barrier system*, and

(c) Consideration of Viewpoints: As part of the NEPA public involvement process, viewpoints from the community, including benefited receptors, will be solicited for all aspects of the project, including noise impacts and abatement. Public Involvement will be tailored to the project. If no relevant objections to the proposed noise abatement are made at this level of public involvement, this criterion is deemed met and abatement considered reasonable from the viewpoint of benefited receptors. If relevant objections are identified, a follow-up solicitation will occur with property owners and residents of the benefited receptors. The abatement measure will be considered reasonable from the viewpoint of benefitting receptors if 50% or more of the responses received are positive. *Follow-up coordination with benefited receptors may occur during the design stage when more detail information is available regarding barrier design*.

<u>Follow-up Coordination with Benefited Receptors during Final Design</u>

For noise barriers, the most common type of abatement, the Department will contact benefited receptors when the barrier design changes substantially from what was

presented in the NEPA document. The abatement measure will be considered reasonable from the viewpoint of benefitting receptors if 50% or more of the responses received are positive.

To ascertain desires, property owners and residents may be invited to attend a meeting specifically to discuss the proposed barrier, or they may be asked to complete a survey (paper, electronic, phone, etc.). Contact may be made through a variety of means such as in person, letters, flyers left at the receptor site, public notices, web sites, phone calls, emails or other reliable means or combination of means. Names and/or addresses may be obtained from the tax assessor's roll, clerk of court records, neighborhood associations, local government databases, reliable internet sources, or other reliable sources or combination of sources. Those who do not respond as requested will be deemed as not interested in the barrier. DOTD will give more weight to the desire of the property owner than to the desire of the lessee. (When conflicting responses are received, DOTD will consider the property owner's response over that of the lessee's.)

The criteria above must be met collectively for a noise abatement measure to be deemed reasonable. Failure to achieve all criteria collectively will result in the noise abatement measure being deemed not reasonable. **During stage 1 of project development (NEPA stage), the analysis will identify noise abatement measures that are likely to be incorporated into the project's design. The final determination of any proposed noise abatement measure will be made during the design stage.** During the design stage, only abatement measures identified in stage 1 as likely will be reevaluated for reasonableness. If the decision to provide an abatement measure changes during final design, the Department will inform the public.

The following optional factors are considered when determining justification for additional cost allowances to an already determined reasonable barrier:

- date of development (implementation requires public outreach),
  Favorable consideration will be given to residential developments that existed prior to the initial construction of the highway. (This factor applies to projects along existing highways and not to new alignments.)

Residential development existed prior to the original construction of the highway	Added to Reasonableness Criteria (b)
No	$0
Yes	$2,000

- changes between existing and future build-conditions,
  Favorable consideration will be given to impacted receptors that experience future build noise levels that are 30 dBA more than future no-build noise levels.

Incremental Increase in Noise Level Between the Future No-build and the Future Build Noise Levels Before Noise Abatement	Added to Reasonableness Criteria (b)
Less than 30 dBA	$0
30 dBA or greater	$2,000

- exposure to higher absolute highway traffic noise levels,
  Favorable consideration will be given to impacted receptors that have predicted future noise levels above 76 dBA

Predicted Future Build Noise Level Before Noise Abatement	Added to Reasonableness Criteria (b)
66-75 dBA	$0
76-79 dBA	$1,000
80 dBA or greater	$2,000

and

- use of noise compatible planning concepts by the local government,
  Favorable consideration will be given to areas that have noise compatible (relevant to highway noise) zoning requirements in place that include the project area.

Noise compatible zoning in place for study area	Added to Reasonableness Criteria (b)
No	$0
Yes, in place for 1 to 2 years	$1,000
Yes, in place for 2 or more years	$1,500

DOCUMENTATION

The noise study report will document the results of the noise study. This report may be a standalone document incorporated into the NEPA document by reference, or it may be included in the appendix of the NEPA document.

Before adoption of a Final Environmental Impact Statement, Finding of No Significant Impact, or Categorical Exclusion, for Federal-aid projects, the DOTD will identify noise abatement measures which

are both reasonable and feasible and likely to be incorporated in the project. The statement of likelihood included in the environmental document will give the locations and physical description of the noise abatement measures as well as explain that the final recommendation will be determined during final design with input from benefited receptors. The DOTD will also identify noise impacts for which no apparent solution is available.

MISCELLANEOUS PROVISIONS

Third party funding is not allowed if the funding is required to make the abatement measure feasible or reasonable. Third party funding is acceptable to make functional enhancements such as absorptive treatment, access doors, or aesthetic enhancements to a noise abatement measure already determined to be both reasonable and feasible.

DOTD allows the use of either absorptive or reflective barriers. DOTD generally assumes reflective barriers in its noise analyses. This does not preclude the use of absorptive barriers or absorptive treatments. For example, a contractor may be given the option of using any barrier system on the Qualified Products List (QPL)[8] for construction. The QPL includes both reflective and absorptive systems. Therefore, the contract may choose either an absorptive or a reflective system as long as the system is on the QPL. Using an absorptive barrier when a reflective barrier was assumed for modeling purposes is not considered a substantial change in design for the purposes of soliciting viewpoints of benefited receptors. Note that decorative features often requested for visual enhancements may preclude use of absorptive treatments or some QPL barrier systems. If separate absorptive treatments are requested, the cost for the treatment will be added to the cost of the barrier system to determine reasonableness. If the additional absorptive treatment increases the cost above the maximum cost/benefited receptor value, it will not be considered for implementation unless the optional reasonableness factors apply. Use of absorptive barriers or treatments on a project is discretionary.

Cost averaging is used when a common noise environment exists. Common noise environments occur when the traffic mix and speeds are the same. For instance, a common noise environment could occur along a road segment between interchanges on a controlled access highway if the traffic speed is constant. Application requires that no single common noise environment exceeds $70,000/benefited receptor and that collectively all common noise environments being averaged do not exceed $35,000/benefited receptor.

Information for Local Officials: In an effort to prevent future traffic noise impacts on currently undeveloped lands, DOTD will inform local officials, within whose jurisdiction the highway project is located, of the best estimation of future noise levels for both developed and undeveloped lands or properties in the immediate vicinity of the project and information that may be useful to local communities to limit future land development to that which will be compatible with anticipated highway noise levels.

A copy of the environmental document (with included noise study) and/or noise study report (if one is prepared) will be provided to local officials upon approval of the environmental document. Local

[8] QPL 69, Noise Reduction Systems (Noise Barriers), can be found at http://www.dotd.la.gov/highways/construction/lab/qpl/tableofcontents.shtml

officials or agencies, which may have jurisdiction, include the Mayor's office, city/town/parish council, parish police jury, and metropolitan planning organization, as applicable.

Construction Noise: The following general steps are to be performed for all Type I projects:

a. Identify land uses or activities that may be affected by noise from the construction of the project. The identification is to be performed during the project development studies.

b. Determine the measures that are needed in the plans and specifications to minimize or eliminate adverse construction noise impacts to the community including alternate designs to keep noise levels to a minimum (e.g. the use of drilled shafts vs. driven piles in noise sensitive areas).[9] This determination will include a weighing of benefits achieved and the overall adverse social, economic, and environmental effects and costs of abatement measures.

c. Incorporate the needed abatement measures in the plans and specifications, as appropriate.

When practicable, DOTD will construct any permanent noise abatement measures as the first phase of a highway construction project to abate construction noise impacts of subsequent phases of the same project.

Revision: DOTD may revise this policy as necessary to keep current with the state-of-the-art technology, legislation, regulation, and guidance, as well as construction cost indices in the fields of highway traffic noise prediction, impact, and abatement.

The unit cost used in the noise analysis for determining reasonableness of noise abatement measures will be updated regularly at least every five years. It is the responsibility of the analyst to ensure that they are using the correct unit cost. Contact the DOTD Environmental Coordinator for more information.

Revisions to this policy affecting Federal or Federal-aid projects must be concurred with by the FHWA prior to adoption.

DOTD and FHWA are not responsible for notification of revisions to this policy. Inquiries as to the latest revision that may be applicable should be made in writing to:

Environmental Engineer Administrator
Louisiana Department of Transportation and Development
Post Office Box 94245
Baton Rouge, Louisiana 70804-9245

Implementation Plan: This policy will become effective July 13, 2011. It will apply to all projects started on or after the above effective date, and to all projects currently being evaluated pursuant to NEPA that do not have a completed noise study. A noise study is deemed completed if it was reviewed and commented on by DOTD and/or FHWA and considered final.

[9] The FHWA Roadway Construction Noise Model (FHWA RCNM) may be used to model construction noise at a sensitive receptor. For highly complex and controversial projects in urban areas, the "Highway Construction Noise: Measurement, Prediction and Mitigation" (HICNOM) method may be used, but requires specific input.

For noise studies performed under past policies: If, during later stages of project development, changes occur that affect only a portion of the project requiring a reevaluation of the noise study for that portion, the policy in effect at the time of the original study will be applicable. When these situations arise, DOTD will consult with FHWA Division office on the project specific issues to ensure that FHWA is in agreement.

Appendix C-2

TNM Inputs

Vehicles per Hour

YEAR	2008	2032 no build	2032 Build (4 lanes)
Automobiles	1103	1706	853
Medium Trucks	51	79	40
Heavy Trucks	31	48	24
Buses	5	8	4
Motorcycles	8	13	6
TOTAL	1199	1853	927

Date				
11/5/20013	10:30		10:00	
	Apartments		**Middle School**	
	northbound hourly	southbound hourly	northbound hourly	southbound hourly
Traffic Data				
Heavy Truck	0	12	16	12
Medium Truck	4	0	20	4
Passenger Car	508	640	488	512
Bus	0	4	4	0
totals	512	656	532	528
noise meter reading (dBa)	70.3		66.9	

Appendix C-3

Model Validation Results

LADOTD
Nina McDaniel

5 June 2014
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: H.002320 Sullivan Road Widening
RUN: Sullivan Model validation
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc					
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver2	2	1	0.0	65.9	66	65.9	10	---	65.9	0.0	8	-8.0
Receiver3	3	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
Receiver4	4	1	0.0	69.1	66	69.1	10	Snd Lvl	69.1	0.0	8	-8.0
Receiver5	5	1	0.0	65.4	66	65.4	10	---	65.4	0.0	8	-8.0
Receiver6	6	1	0.0	65.0	66	65.0	10	---	65.0	0.0	8	-8.0
Receiver7	7	1	0.0	63.7	66	63.7	10	---	63.7	0.0	8	-8.0
Receiver8	8	1	0.0	65.7	66	65.7	10	---	65.7	0.0	8	-8.0
Receiver9	9	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
Receiver10	10	1	0.0	69.1	66	69.1	10	Snd Lvl	69.1	0.0	8	-8.0
Receiver11	11	1	0.0	68.0	66	68.0	10	Snd Lvl	68.0	0.0	8	-8.0
Receiver12	12	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0
Sullivan Apartments	13	8	70.3	67.9	66	-2.4	10	Snd Lvl	67.9	0.0	8	-8.0
Receiver14	14	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
Receiver15	15	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Receiver16	16	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0
Receiver17	17	1	0.0	69.1	66	69.1	10	Snd Lvl	69.1	0.0	8	-8.0
Receiver18	18	1	0.0	64.6	66	64.6	10	---	64.6	0.0	8	-8.0
Receiver19	19	1	0.0	68.2	66	68.2	10	Snd Lvl	68.2	0.0	8	-8.0
Receiver20	20	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Receiver21	21	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0
Receiver22	22	1	0.0	65.5	66	65.5	10	---	65.5	0.0	8	-8.0
Receiver23	23	1	0.0	64.9	66	64.9	10	---	64.9	0.0	8	-8.0
Receiver24	24	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
Receiver25	25	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0

Receiver26	26	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Receiver27	27	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0
Receiver28	28	1	0.0	67.6	66	67.6	10	Snd Lvl	67.6	0.0	8	-8.0
Receiver29	29	1	0.0	68.1	66	68.1	10	Snd Lvl	68.1	0.0	8	-8.0
Receiver30	30	1	0.0	69.0	66	69.0	10	Snd Lvl	69.0	0.0	8	-8.0
Receiver31	31	1	0.0	68.2	66	68.2	10	Snd Lvl	68.2	0.0	8	-8.0
Receiver32	32	1	0.0	71.2	66	71.2	10	Snd Lvl	71.2	0.0	8	-8.0
Receiver33	33	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
Receiver34	34	1	0.0	67.7	66	67.7	10	Snd Lvl	67.7	0.0	8	-8.0
Receiver35	35	1	0.0	59.2	66	59.2	10	---	59.2	0.0	8	-8.0
Receiver36	36	1	0.0	63.5	66	63.5	10	---	63.5	0.0	8	-8.0
Receiver37	37	1	0.0	67.0	66	67.0	10	Snd Lvl	67.0	0.0	8	-8.0
Receiver38	38	1	0.0	65.5	66	65.5	10	---	65.5	0.0	8	-8.0
Receiver39	39	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0
Receiver40	40	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Receiver41	41	1	0.0	64.6	66	64.6	10	---	64.6	0.0	8	-8.0
Receiver42	42	1	0.0	68.4	66	68.4	10	Snd Lvl	68.4	0.0	8	-8.0
Middle School	43	1	66.9	64.9	66	-2.0	10	---	64.9	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	49	0.0	0.0	0.0
All Impacted	36	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Appendix C-4

Existing Condition Model Results

LADOTD
Nina McDaniel

7 April 2015
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: H.002320 Sullivan Road Widening
RUN: Sullivan Existing conditions
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver2	2	1	0.0	71.2	66	71.2	10	Snd Lvl	71.2	0.0	8	-8.0
Receiver3	3	1	0.0	72.9	66	72.9	10	Snd Lvl	72.9	0.0	8	-8.0
Receiver4	4	1	0.0	74.5	66	74.5	10	Snd Lvl	74.5	0.0	8	-8.0
Receiver5	5	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
Receiver6	6	1	0.0	70.6	66	70.6	10	Snd Lvl	70.6	0.0	8	-8.0
Receiver7	7	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
Receiver8	8	1	0.0	71.3	66	71.3	10	Snd Lvl	71.3	0.0	8	-8.0
Receiver9	9	1	0.0	72.6	66	72.6	10	Snd Lvl	72.6	0.0	8	-8.0
Receiver10	10	1	0.0	74.5	66	74.5	10	Snd Lvl	74.5	0.0	8	-8.0
Receiver11	11	1	0.0	73.7	66	73.7	10	Snd Lvl	73.7	0.0	8	-8.0
Receiver12	12	1	0.0	75.3	66	75.3	10	Snd Lvl	75.3	0.0	8	-8.0
Sullivan Apartments	13	18	70.3	72.3	66	2.0	10	Snd Lvl	72.3	0.0	8	-8.0
Receiver14	14	8	0.0	73.8	66	73.8	10	Snd Lvl	73.8	0.0	8	-8.0
Receiver15	15	1	0.0	74.9	66	74.9	10	Snd Lvl	74.9	0.0	8	-8.0
Receiver16	16	1	0.0	71.7	66	71.7	10	Snd Lvl	71.7	0.0	8	-8.0
Receiver17	17	1	0.0	74.8	66	74.8	10	Snd Lvl	74.8	0.0	8	-8.0
Receiver18	18	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0
Receiver19	19	1	0.0	73.8	66	73.8	10	Snd Lvl	73.8	0.0	8	-8.0
Receiver20	20	1	0.0	75.1	66	75.1	10	Snd Lvl	75.1	0.0	8	-8.0
Receiver21	21	1	0.0	71.6	66	71.6	10	Snd Lvl	71.6	0.0	8	-8.0
Receiver22	22	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
Receiver23	23	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Receiver24	24	1	0.0	72.8	66	72.8	10	Snd Lvl	72.8	0.0	8	-8.0
Receiver25	25	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0

Receiver26	26	1	0.0	75.8	66	75.8	10	Snd Lvl	75.8	0.0	8	-8.0
Receiver27	27	1	0.0	75.5	66	75.5	10	Snd Lvl	75.5	0.0	8	-8.0
Receiver28	28	1	0.0	73.1	66	73.1	10	Snd Lvl	73.1	0.0	8	-8.0
Receiver29	29	1	0.0	73.6	66	73.6	10	Snd Lvl	73.6	0.0	8	-8.0
Receiver30	30	1	0.0	74.5	66	74.5	10	Snd Lvl	74.5	0.0	8	-8.0
Receiver31	31	1	0.0	73.8	66	73.8	10	Snd Lvl	73.8	0.0	8	-8.0
Receiver32	32	1	0.0	76.7	66	76.7	10	Snd Lvl	76.7	0.0	8	-8.0
Receiver33	33	1	0.0	76.0	66	76.0	10	Snd Lvl	76.0	0.0	8	-8.0
Receiver34	34	1	0.0	73.3	66	73.3	10	Snd Lvl	73.3	0.0	8	-8.0
Receiver35	35	6	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0
Receiver36	36	1	0.0	68.8	66	68.8	10	Snd Lvl	68.8	0.0	8	-8.0
Receiver37	37	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0
Receiver38	38	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
Receiver39	39	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0
Receiver40	40	1	0.0	75.7	66	75.7	10	Snd Lvl	75.7	0.0	8	-8.0
Receiver41	41	1	0.0	70.0	66	70.0	10	Snd Lvl	70.0	0.0	8	-8.0
Receiver42	42	1	0.0	73.8	66	73.8	10	Snd Lvl	73.8	0.0	8	-8.0
Middle School	43	1	66.9	70.5	66	3.6	10	Snd Lvl	70.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	71	0.0	0.0	0.0
All Impacted	65	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Appendix C-5

Future No Build Model Results

LADOTD
Nina McDaniel

7 April 2015
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: H.002320 Sullivan Road Widening
RUN: Sullivan Future No Build
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver2	2	1	0.0	73.1	66	73.1	10	Snd Lvl	73.1	0.0	8	-8.0
Receiver3	3	1	0.0	74.8	66	74.8	10	Snd Lvl	74.8	0.0	8	-8.0
Receiver4	4	1	0.0	76.4	66	76.4	10	Snd Lvl	76.4	0.0	8	-8.0
Receiver5	5	1	0.0	73.0	66	73.0	10	Snd Lvl	73.0	0.0	8	-8.0
Receiver6	6	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0
Receiver7	7	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
Receiver8	8	1	0.0	73.3	66	73.3	10	Snd Lvl	73.3	0.0	8	-8.0
Receiver9	9	1	0.0	74.5	66	74.5	10	Snd Lvl	74.5	0.0	8	-8.0
Receiver10	10	1	0.0	76.4	66	76.4	10	Snd Lvl	76.4	0.0	8	-8.0
Receiver11	11	1	0.0	75.6	66	75.6	10	Snd Lvl	75.6	0.0	8	-8.0
Receiver12	12	1	0.0	77.2	66	77.2	10	Snd Lvl	77.2	0.0	8	-8.0
Sullivan Apartments	13	18	70.3	74.2	66	3.9	10	Snd Lvl	74.2	0.0	8	-8.0
Receiver14	14	8	0.0	75.7	66	75.7	10	Snd Lvl	75.7	0.0	8	-8.0
Receiver15	15	1	0.0	76.8	66	76.8	10	Snd Lvl	76.8	0.0	8	-8.0
Receiver16	16	1	0.0	73.6	66	73.6	10	Snd Lvl	73.6	0.0	8	-8.0
Receiver17	17	1	0.0	76.7	66	76.7	10	Snd Lvl	76.7	0.0	8	-8.0
Receiver18	18	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0
Receiver19	19	1	0.0	75.7	66	75.7	10	Snd Lvl	75.7	0.0	8	-8.0
Receiver20	20	1	0.0	77.0	66	77.0	10	Snd Lvl	77.0	0.0	8	-8.0
Receiver21	21	1	0.0	73.5	66	73.5	10	Snd Lvl	73.5	0.0	8	-8.0
Receiver22	22	1	0.0	72.9	66	72.9	10	Snd Lvl	72.9	0.0	8	-8.0
Receiver23	23	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Receiver24	24	1	0.0	74.8	66	74.8	10	Snd Lvl	74.8	0.0	8	-8.0
Receiver25	25	1	0.0	73.8	66	73.8	10	Snd Lvl	73.8	0.0	8	-8.0

Receiver26	26	1	0.0	77.7	66	77.7	10	Snd Lvl	77.7	0.0	8	-8.0
Receiver27	27	1	0.0	77.4	66	77.4	10	Snd Lvl	77.4	0.0	8	-8.0
Receiver28	28	1	0.0	75.0	66	75.0	10	Snd Lvl	75.0	0.0	8	-8.0
Receiver29	29	1	0.0	75.5	66	75.5	10	Snd Lvl	75.5	0.0	8	-8.0
Receiver30	30	1	0.0	76.4	66	76.4	10	Snd Lvl	76.4	0.0	8	-8.0
Receiver31	31	1	0.0	75.8	66	75.8	10	Snd Lvl	75.8	0.0	8	-8.0
Receiver32	32	1	0.0	78.6	66	78.6	10	Snd Lvl	78.6	0.0	8	-8.0
Receiver33	33	1	0.0	77.9	66	77.9	10	Snd Lvl	77.9	0.0	8	-8.0
Receiver34	34	1	0.0	75.2	66	75.2	10	Snd Lvl	75.2	0.0	8	-8.0
Receiver35	35	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0
Receiver36	36	6	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0	8	-8.0
Receiver37	37	1	0.0	74.4	66	74.4	10	Snd Lvl	74.4	0.0	8	-8.0
Receiver38	38	1	0.0	72.8	66	72.8	10	Snd Lvl	72.8	0.0	8	-8.0
Receiver39	39	1	0.0	74.1	66	74.1	10	Snd Lvl	74.1	0.0	8	-8.0
Receiver40	40	1	0.0	77.6	66	77.6	10	Snd Lvl	77.6	0.0	8	-8.0
Receiver41	41	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0
Receiver42	42	1	0.0	75.8	66	75.8	10	Snd Lvl	75.8	0.0	8	-8.0
Middle School	43	1	66.9	72.4	66	5.5	10	Snd Lvl	72.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	71	0.0	0.0	0.0
All Impacted	71	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Appendix C-6

Future Build Model Results

LADOTD
Nina McDaniel

7 April 2015
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: H.002320 Sullivan Road Widening
RUN: Sullivan Future Build Conditions
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	LAeq1h Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver2	2	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
Receiver3	3	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0
Receiver4	4	1	0.0	73.8	66	73.8	10	Snd Lvl	73.8	0.0	8	-8.0
Receiver5	5	1	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0	8	-8.0
Receiver6	6	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0
Receiver7	7	1	0.0	69.6	66	69.6	10	Snd Lvl	69.6	0.0	8	-8.0
Receiver8	8	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Receiver9	9	1	0.0	73.4	66	73.4	10	Snd Lvl	73.4	0.0	8	-8.0
Receiver10	10	1	0.0	75.8	66	75.8	10	Snd Lvl	75.8	0.0	8	-8.0
Receiver11	11	1	0.0	75.5	66	75.5	10	Snd Lvl	75.5	0.0	8	-8.0
Receiver12	12	1	0.0	77.0	66	77.0	10	Snd Lvl	77.0	0.0	8	-8.0
Sullivan Apartments	13	18	70.3	74.3	66	4.0	10	Snd Lvl	74.3	0.0	8	-8.0
Receiver14	14	8	0.0	75.5	66	75.5	10	Snd Lvl	75.5	0.0	8	-8.0
Receiver15	15	1	0.0	76.7	66	76.7	10	Snd Lvl	76.7	0.0	8	-8.0
Receiver16	16	1	0.0	73.4	66	73.4	10	Snd Lvl	73.4	0.0	8	-8.0
Receiver17	17	1	0.0	76.8	66	76.8	10	Snd Lvl	76.8	0.0	8	-8.0
Receiver18	18	1	0.0	71.5	66	71.5	10	Snd Lvl	71.5	0.0	8	-8.0
Receiver19	19	1	0.0	75.8	66	75.8	10	Snd Lvl	75.8	0.0	8	-8.0
Receiver20	20	1	0.0	77.1	66	77.1	10	Snd Lvl	77.1	0.0	8	-8.0
Receiver21	21	1	0.0	73.4	66	73.4	10	Snd Lvl	73.4	0.0	8	-8.0
Receiver22	22	1	0.0	72.7	66	72.7	10	Snd Lvl	72.7	0.0	8	-8.0
Receiver23	23	1	0.0	72.3	66	72.3	10	Snd Lvl	72.3	0.0	8	-8.0
Receiver24	24	1	0.0	74.8	66	74.8	10	Snd Lvl	74.8	0.0	8	-8.0
Receiver25	25	1	0.0	73.7	66	73.7	10	Snd Lvl	73.7	0.0	8	-8.0

Receiver26	26	1	0.0	77.6	66	77.6	10	Snd Lvl	77.6	0.0	8	-8.0
Receiver27	27	1	0.0	77.4	66	77.4	10	Snd Lvl	77.4	0.0	8	-8.0
Receiver28	28	1	0.0	75.0	66	75.0	10	Snd Lvl	75.0	0.0	8	-8.0
Receiver29	29	1	0.0	75.5	66	75.5	10	Snd Lvl	75.5	0.0	8	-8.0
Receiver30	30	1	0.0	76.4	66	76.4	10	Snd Lvl	76.4	0.0	8	-8.0
Receiver31	31	1	0.0	75.8	66	75.8	10	Snd Lvl	75.8	0.0	8	-8.0
Receiver32	32	1	0.0	78.6	66	78.6	10	Snd Lvl	78.6	0.0	8	-8.0
Receiver33	33	1	0.0	78.0	66	78.0	10	Snd Lvl	78.0	0.0	8	-8.0
Receiver34	34	6	0.0	75.2	66	75.2	10	Snd Lvl	75.2	0.0	8	-8.0
Receiver35	35	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
Receiver36	36	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0
Receiver37	37	1	0.0	74.4	66	74.4	10	Snd Lvl	74.4	0.0	8	-8.0
Receiver38	38	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Receiver39	39	1	0.0	74.0	66	74.0	10	Snd Lvl	74.0	0.0	8	-8.0
Receiver40	40	1	0.0	77.5	66	77.5	10	Snd Lvl	77.5	0.0	8	-8.0
Receiver41	41	1	0.0	71.7	66	71.7	10	Snd Lvl	71.7	0.0	8	-8.0
Receiver42	42	1	0.0	75.7	66	75.7	10	Snd Lvl	75.7	0.0	8	-8.0
Middle School	43	1	66.9	72.5	66	5.6	10	Snd Lvl	72.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	71	0.0	0.0	0.0
All Impacted	71	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Appendix C-7

Feasibility and Reasonableness Worksheets

Feasibility Worksheet

Project	ID number H.002320.2	Route Location Sullivan Road	
Barrier	Location N/A	Length (feet) 0	Height (feet) 0
Number of first row receptors (receptors adjacent to barrier): N/A	Number of *first row* receptors that achieve at least a 5dBA reduction in noise with barrier: N/A		% that achieve ≥ 5 dBA reduction: N/A
Are there any additional feasibility issues to consider?	*Explain: Due to frequent breaks required for driveway access, a barrier would not achieve any significant noise reduction.*		
Based on the above, is the barrier feasible?	Circle Yes or (No) *Explain: Due to the ineffectiveness of a noise wall at this site, it is determined that a barrier design is not feasible.*		

Reasonableness Worksheet DURING NEPA

	ID number	Route	Parish/City
Project	H.002320.2	Sullivan Rd	East Baton Rouge
	Length	**Height**	**Location**
Barrier	N/A	N/A	N/A

Criterion 1: Cost

Total Square Feet	Cost per Square Foot	Total Cost	Number of Benefited Receptors	Cost per Benefited Receptor
N/A	N/A	N/A	N/A	N/A

Criterion 2: Design Goal

At least an 8dBA reduction at 1 Receptor?	Circle: Yes or (No) *Notes:*

Criterion 3: Desires of Benefited Receptors

Public Involvement events showing *Likely* barrier	Event(s) and date(s): *Notes: Due to the frequent breaks required for driveway access, a barrier would not achieve any significant noise reduction.*
Benefitted Receptors' viewpoint of barrier	Circle: Positive or Negative *Notes: No viewpoints were taken as construction of a barrier would not benefit any receptors.*
Separate Query of Benefitted Receptors	Circle: Yes or (No) *If Yes, note type and results (% of responses for barrier):*

Reasonableness criteria met?	Criterion 1	Criterion 2	Criterion 3	Date:
	NO	NO	NO	4/15/15

Appendix **C**

Wetlands Analysis

WETLAND FINDING – RE-EVALUATION

STATE PROJECT NO. H.002320
FEDERAL AID NO. H002320
SULLIVAN ROAD WIDENING (WAX - HOOPER)
EAST BATON ROUGE PARISH

The original Wetland Finding was completed by biologists with Providence Engineering and Environmental Group LLC on December 5, 2008. Because the finding is greater than 5 years old, a re-evaluation was warranted. After reviewing aerial photographs, the *Soil Survey of East Baton Rouge Parish* produced by the U.S. Department of Agriculture, and U.S. Geological Survey maps, staff biologists of the Louisiana Department of Transportation & Development (LDOTD) Environmental Section conducted a field survey on April 2, 2013. The project area was traversed to insure adequate coverage. No wetlands were found in a thorough examination of the proposed project site.

No changes were found to the project area as described in the original wetland assessment; however, since the time of the original report, the project limits have been changed. The proposed project limits now encompass only Drainage Features 4 and 5, which are described in the attached original report.

It is the professional opinion of LDOTD biologists that no portion of the project site satisfies the criteria to be jurisdictional wetlands pursuant to the *Army Corps of Engineers' 1987 Manual* (or 2010 *Regional Supplement*) with subsequent clarification memoranda and pursuant to confirmation by the Army Corps of Engineers. It is our conclusion that the proposed project will impact a total of **approximately 0.40 acres of jurisdictional Other Waters of the U.S.** at Drainage Features 4 and 5.

/s/ Cyndi Bowman
Environmental Impact Specialist
November 1, 2013

PROVIDENCE

1201 Main Street
Baton Rouge, LA 70802
(225) 766-7400

P. O. Box 31
Sulphur, LA 70664
(337) 528-0066

1317 24th Avenue, Suite C
Gulfport, MS 39501
(228) 868-9591

1200 Walnut Hill Lane, #1000
Irving, TX 75038
(972) 550-9326

January 29, 2009

Mr. Robert Heffner
Chief, Surveillance and Enforcement Section
New Orleans District
U.S. Army Corps of Engineers
7400 Leake Avenue
New Orleans, Louisiana 70118-3651

Ref: Wetland Delineation/Request for Jurisdictional Determination
Hooper Road and Sullivan Road Intersection Improvements
Department of Public Works – Green Light Plan
East Baton Rouge Parish, Louisiana
Providence Project No. 079-007

Dear Mr. Heffner:

On behalf of the East Baton Rouge Parish Department of Public Works, Providence Engineering and Environmental Group LLC (Providence) is submitting this wetland delineation data report and request for jurisdictional determination for roadway improvements at the intersection of Hooper Road and Sullivan Road (referred to as Site) in East Baton Rouge Parish, Louisiana.

PROJECT LOCATION & DESCRIPTION

The Site is approximately 7.74 miles east/northeast of the I-110, Baton Rouge Metro Airport exit (Exit 6) in Central, Louisiana and is centered at Lat. 30°33'15.35"N; Long. 91°02'12.76"W in Sections 5, 6, 68, and 69, T6S-R2E. Approximately 10,200 linear-feet of existing and required, 100 feet right-of-way (ROW) are proposed for intersection and roadway improvements. The proposed Site consists primarily of residential housing and commercial developments with mowed and maintained grass dominated by St. Augustine and early successional invader species. A total of five (5) unnamed drainage features are proposed to be crossed by the project. Access to the location is via existing public roads.

BACKGROUND

On December 5, 2008, Providence visited the Site and collected field data using methods and procedures found in the Corps of Engineers Wetland Delineation Manual (*U.S. Army Engineer Waterways Experiment Station* 1987) to determine the presence or absence of potential jurisdictional wetlands and/or "other" waters of the U.S. on the Site. Mapped information sources used by Providence include the *Soil Survey of East Baton Rouge Parish* (USDA Soil Conservation Service 1968), U.S.G.S. 7.5-minute topographic maps, the NRCS Web Soil Survey, and infrared aerial photography. Included as attachments are a Vicinity Map **(Figure 1)**, Site Location Map **(Figure 2)**, Site Plan **(Figures 3a and 3b)**, Aerial Photograph **(Figure 4)**, Soils Map **(Figure 5),** and Light Detection and Ranging (LIDAR) Map **(Figure 6)**. Also attached

for your review are Routine Wetland Determination Data Forms **(Appendix A)** and copies of the Site's photographs **(Appendix B)**. Photographs are centered on soil profiles and depict typical habitat and landscape features in each cardinal direction.

SOILS

The NRCS's Web Soil Survey was used to map soil series. The revised official series descriptions were used to describe profiles, phase, subgroup, and drainage class of soils underlying the Site. The Web Soil Survey shows that the Site may be underlain by four (4) different soil series ((Deerford-Verdun complex, 0 to 2 percent slopes (DaA), Dexter very fine sandy loam, 1 to 3 percent slopes (DrB), Gilbert silt loam, 0 to 1 percent slopes (GeA), and Urban land (UrA)) **(Figure 5)**.

Providence collected soil samples between the surface and approximately 16 inches. The depth of each sample was sufficient to determine changes in upper horizons and to observe field indicators of hydric soil. Field data indicate that the Site is underlain primarily by Urban land and Deerford silt loam, 0 to 2 percent slopes **(Appendix A)**. Of the above-referenced soils, Gilbert silt loam, 0 to 1 percent slopes, is the only series listed as a hydric soil on both the local list (NRCS Web Soil Survey 2008) and national list (NRCS 2008 Hydric Soils List by State). The wetland criterion for hydric soils was met at two (2) of the eight (8) sample locations established by Providence to characterize the Site **(Appendix A)**.

VEGETATION

Dominant vegetation at the Site is mowed and maintained grass. The Site is dominated by St. Augustine grass (*Stenotaphrum secundatum*), yaupon (*Ilex vomitoria*), Chinese privet (*Ligustrum sinense*), and Louisiana blackberry (*Rubus louisianus*). Tree species observed within the existing and required ROW consist primarily of loblolly pine (*Pinus taeda),* Chinese tallow tree *(Sapium sebiferum)*, American elm *(Ulmus americana)*, sweet pecan *(Carya illinoensis)*, and live oak *(Quercus virginiana)*. The criterion for hydrophytic vegetation was met at all eight (8) sample locations established by Providence to characterize the Site **(Appendix A)**.

HYDROLOGY

The Site is relatively level with an elevation at approximately 60-65 feet above National Geodetic Vertical Datum (NGVD) **(Figure 6)**. Drainage appears to be by sheet flow in conformance with slight changes in elevation throughout the Site. Drainage from sheet flow is intercepted by five (5) unnamed drainage features (referred to as Drainage Features 1-5). All drainage features identified on the Site are vegetated and range from approximately 5 feet to 50 feet in width **(Figures 3a - 3b and Table 1)**. Roadside ditches (approximately 5 feet in width and 3 feet in depth) parallel Hooper Road to the north and south and Sullivan Road to the east and west and act as confluences for sheet flow to Drainage Features 1-5. None of the above-referenced drainage features at the Site are characterized by herbaceous wetland fringes but may potentially be considered "other" waters of the U.S. subject to the Corps jurisdiction due to a potential surface connection to Beaver Bayou and the Comite River. The wetland criterion for hydrology was absent within areas restricted to the proposed ROW **(Appendix A)**.

CONCLUSIONS

The Site is comprised mainly of mowed and maintained grass. Vegetative communities at the Site are characterized by hydrophytic vegetation; however, no wetland hydrologic indicators

were observed during the site visit. Although hydric soils are present, the majority of the Site is characterized by upland habitat. Sample locations, potential "other" waters of the U.S., and LIDAR contours are shown on the attached figures **(Figures 1-6)**.

Table 1: Approximate size and length of potential "other" waters of the U.S.

Special Aquatic Sites	Approximate Crossing Length (feet)	Approximate Width (feet)	Approximate Size (acres)
Potential "other" waters of the U.S.	---	---	---
- Drainage Feature 1	100	5	0.01
- Drainage Feature 2	45	50	0.05
- Drainage Feature 3	100	30	0.07
- Drainage Feature 4	400	40	0.37
- Drainage Feature 5	45	32	0.03

If you have any questions about this request, or require additional information, please contact Hunter Guidry at (225) 755-0044.

Sincerely,
Providence Engineering and Environmental Group LLC

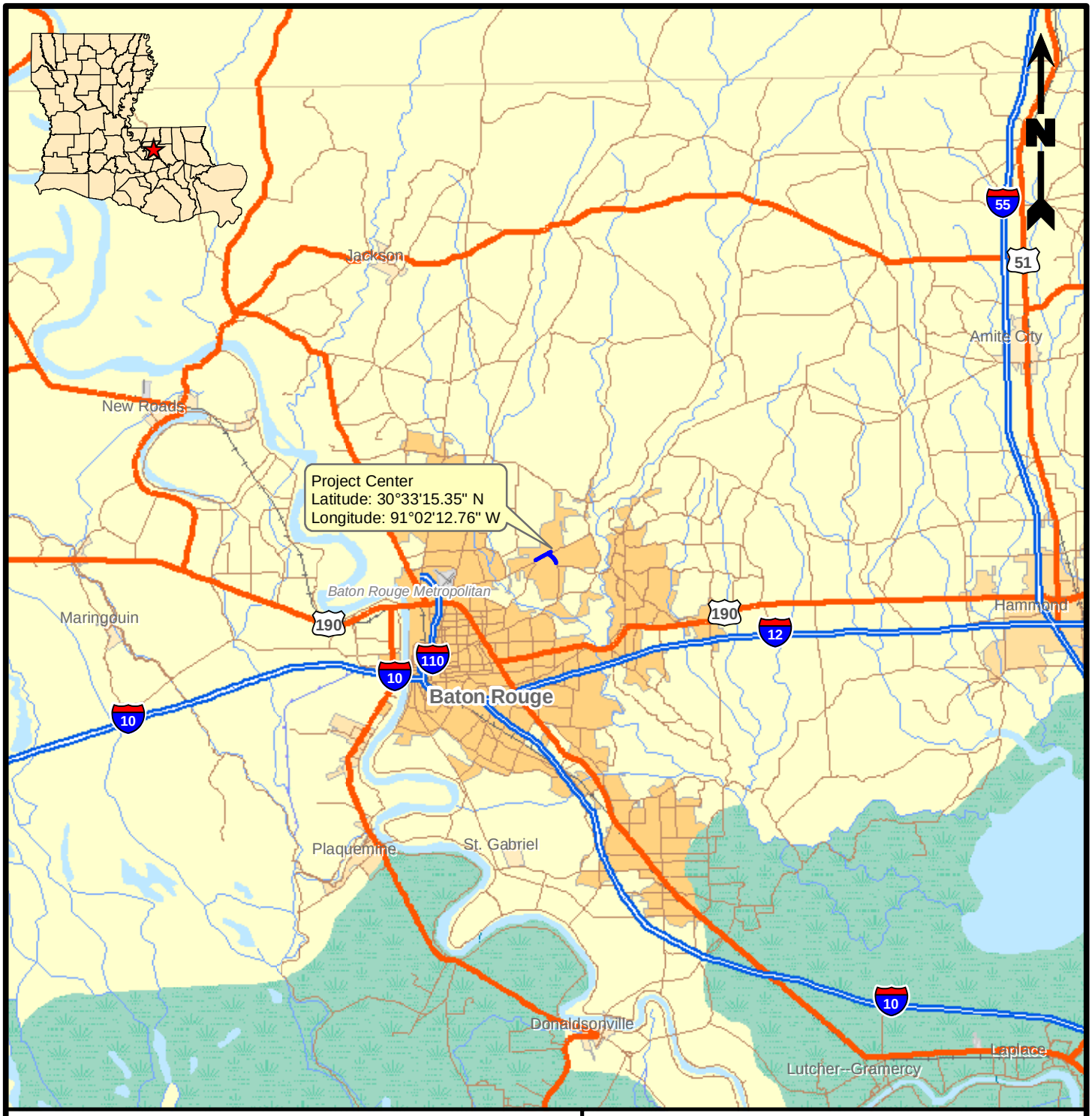
Monica Herrera
Project Environmental Specialist

Encl: As stated

cc: Sparky Hoffman, GLP Director of Engineering

FIGURE 1

VICINITY MAP



5 2.5 0 5 10 15 Miles

Legend

Limits of Delineation (25.53 Acres)

Reference

Base map comprised of ESRI Street Map data.

Vicinity Map

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	12/29/08
Checked By	DRA	12/29/08
Approved By	MPH	12/29/08

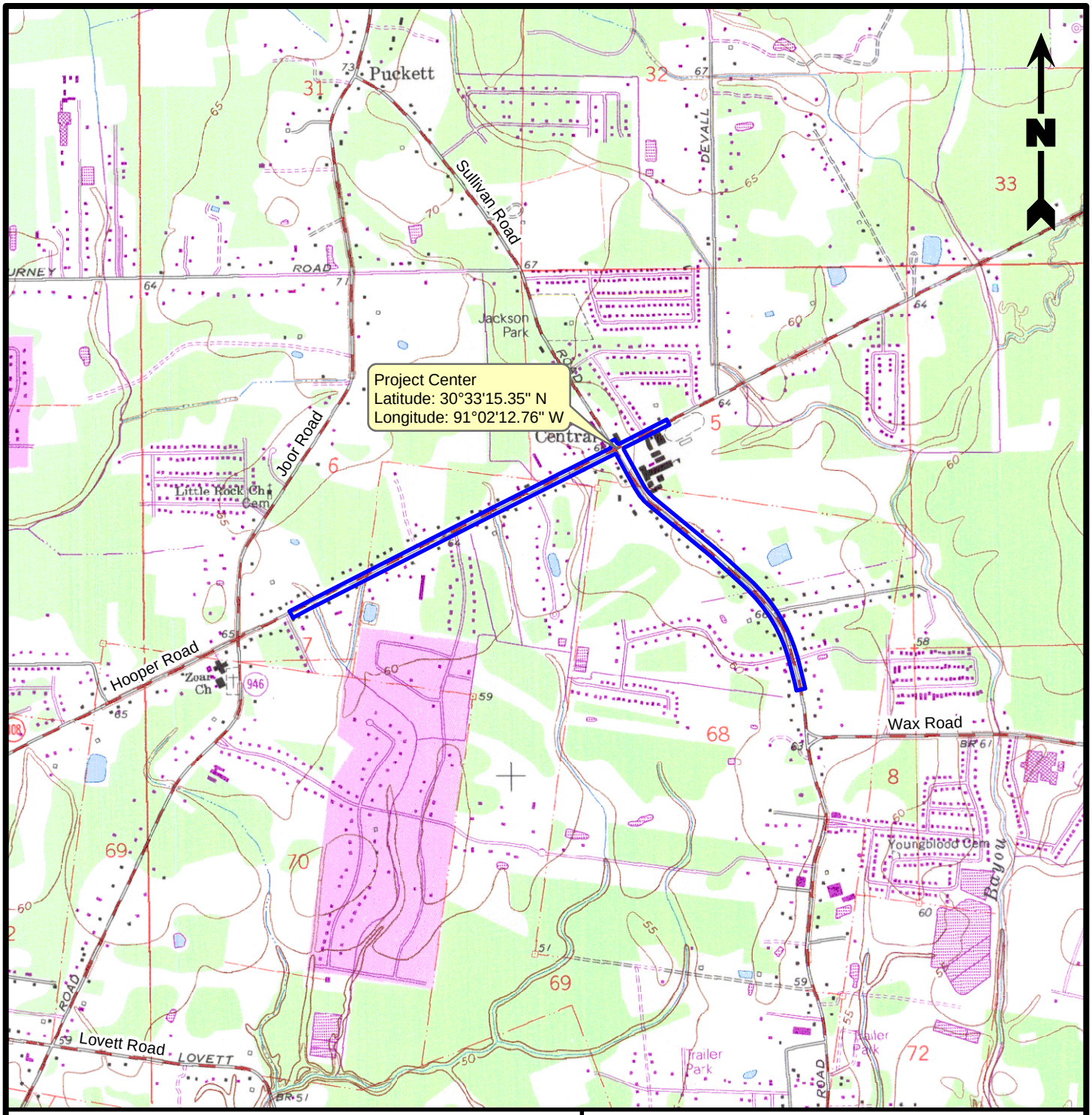
Project Number 079-007

Drawing Number 079-007-A007

1 Figure

FIGURE 2

SITE LOCATION MAP



Legend

Limits of Delineation (25.53 Acres)

Reference

Base map comprised of U.S.G.S. 7.5 minute topographic map, "Comite, LA" dated 1962, revised 1994.

Site Location Map

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	12/16/08
Checked By	DRA	12/16/08
Approved By	MPH	12/16/08

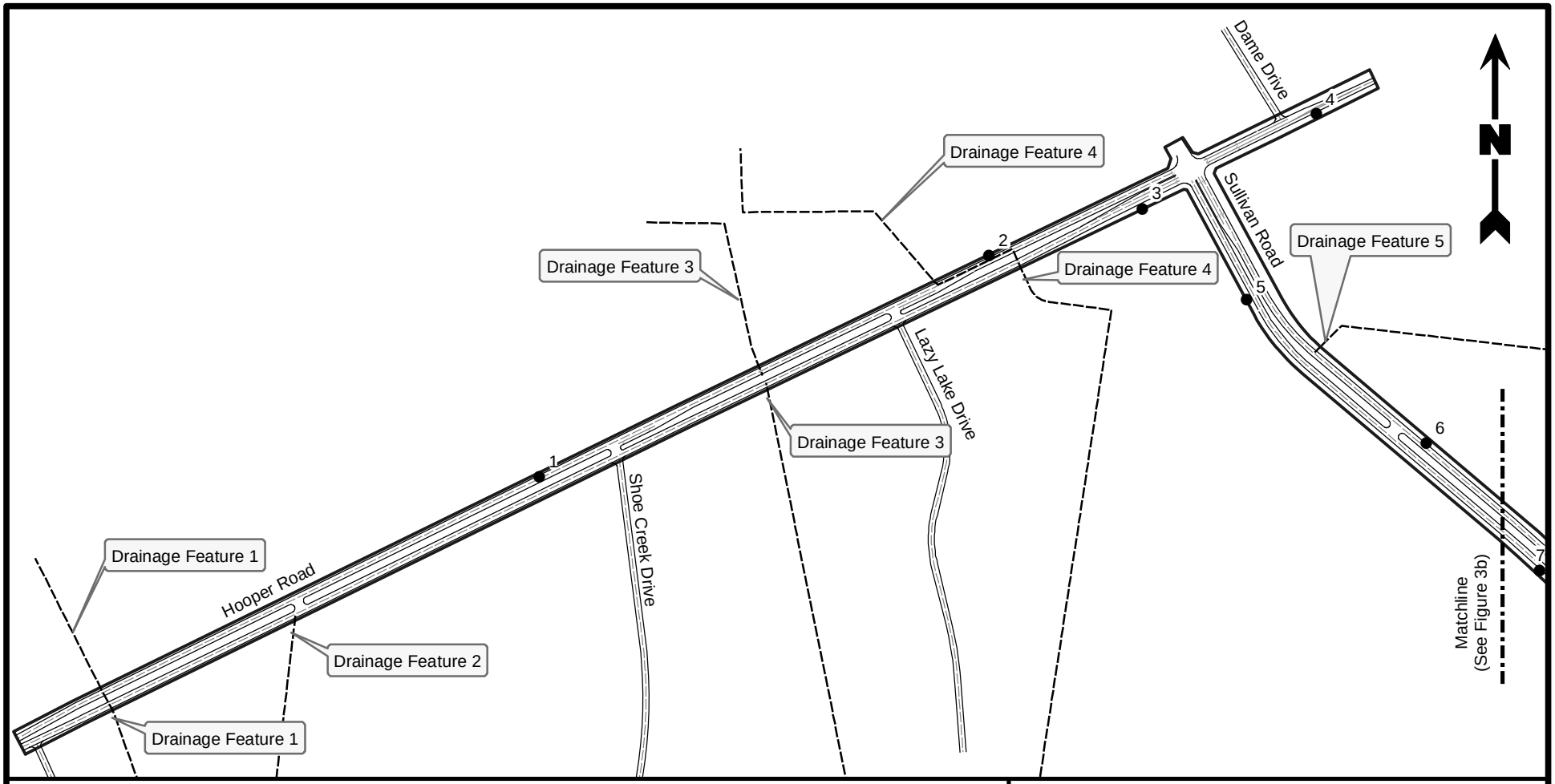
Project Number 079-007

Drawing Number 079-007-A001

2
Figure

FIGURE 3a

SITE PLAN



Legend

- Sample Location
- Potential Other Waters (Approximately 0.53 Acre)
- Limits of Delineation (25.53 Acres)

600 300 0 600 Feet

Site Plan (1 of 2)

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	01/28/09
Checked By	DRA	01/28/09
Approved By	MPH	01/28/09

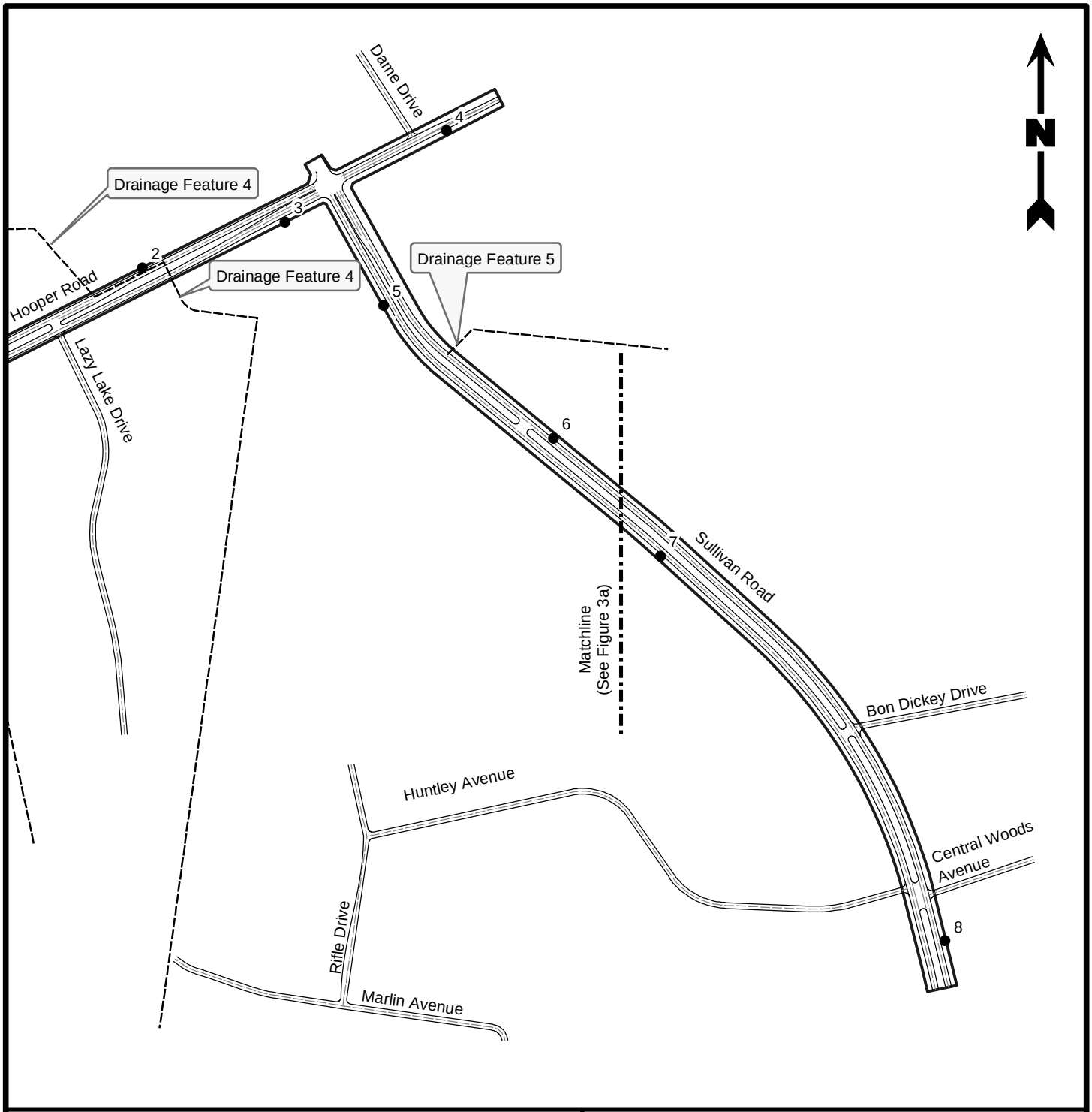
Project Number 079-007

Drawing Number 079-007-A002

3a
Figure

FIGURE 3b

SITE PLAN



600 300 0 600
Feet

Legend

- Limits of Delineation (25.53 Acres)
- Potential Other Waters (Approximately 0.53 Acre)
- Sample Location

Site Plan (2 of 2)

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	01/28/09
Checked By	DRA	01/28/09
Approved By	MPH	01/28/09

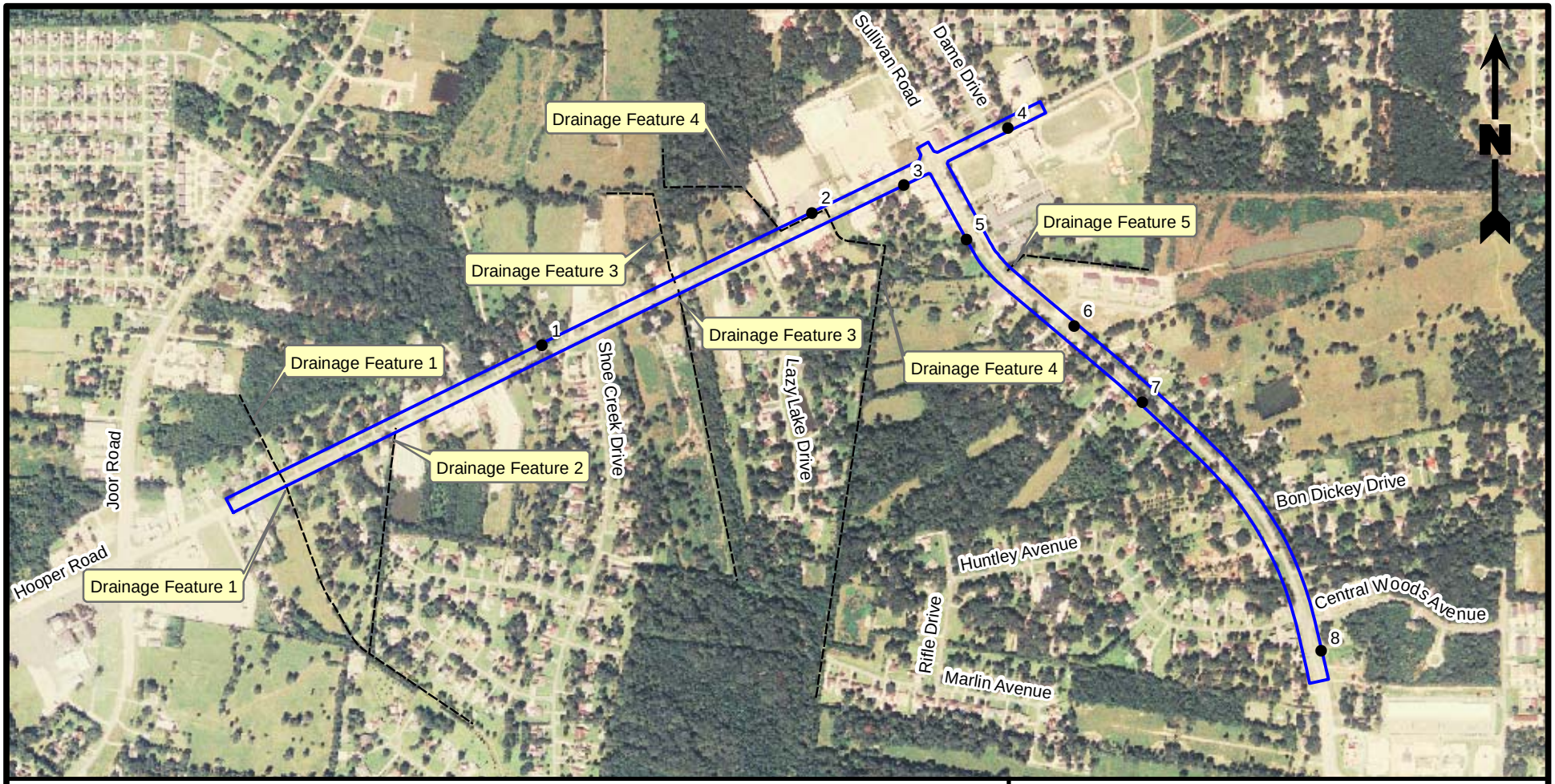
Project Number 079-007

Drawing Number 079-007-A006

3b
Figure

FIGURE 4

AERIAL PHOTOGRAPH



Legend

- Limits of Delineation (25.53 Acres)
- Potential Other Waters (Approximately 0.53 Acre)
- Sample Location

Reference

Base map comprised of 2007 aerial photograph.

1,000 500 0 1,000 Feet

Aerial Photograph

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	01/28/09
Checked By	DRA	01/28/09
Approved By	MPH	01/28/09

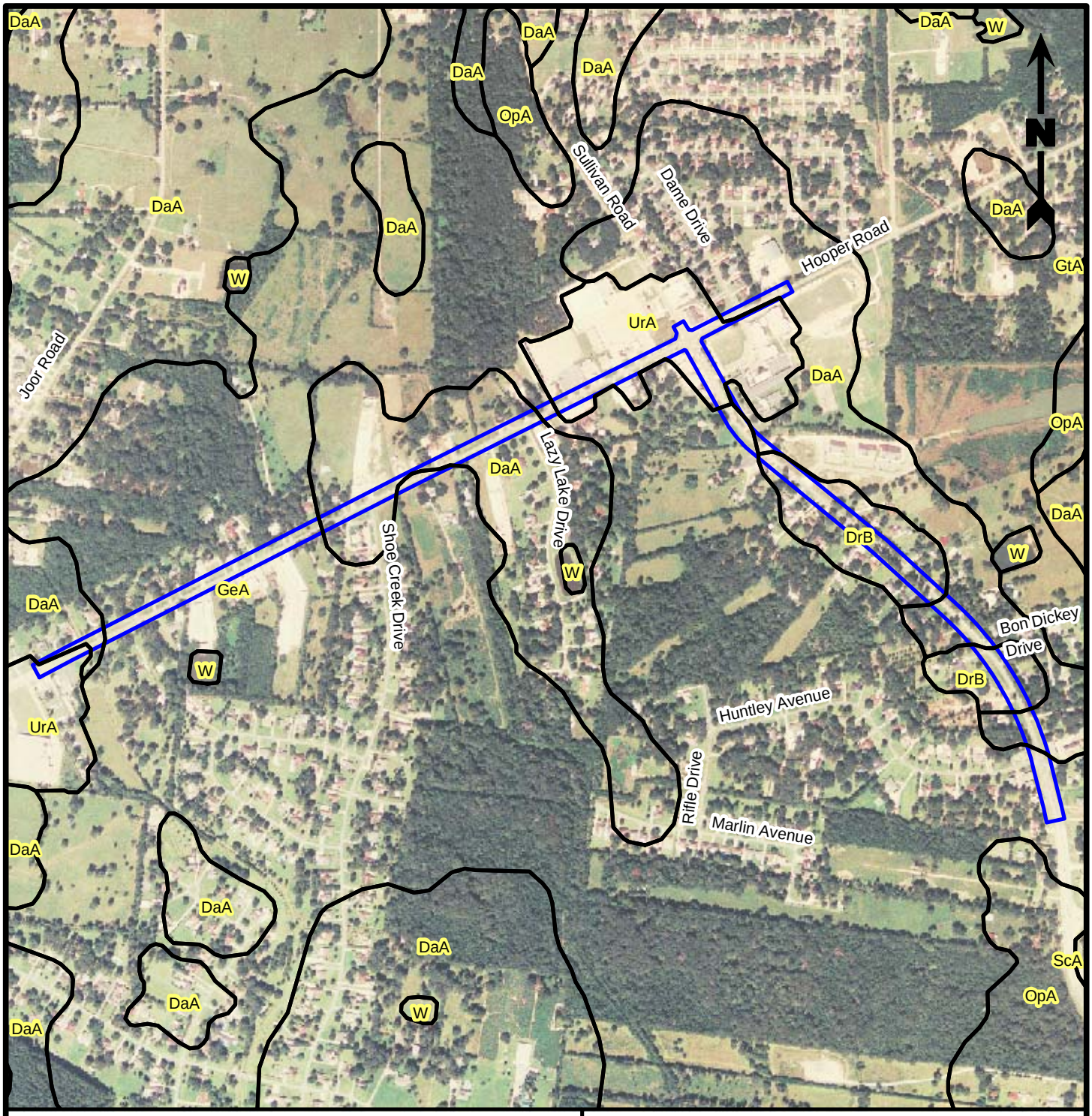
Project Number 079-007

Drawing Number 079-007-A003

4 Figure

FIGURE 5

SOILS MAP



1,000 500 0 1,000 Feet

Legend

Limits of Delineation (25.53 Acres)

NRCS Soils Data:

- DaA - Deerford-verdun complex, 0 to 2 percent slopes
- DrB - Dexter very fine sandy loam, 1 to 3 percent slopes
- GeA - Gilbert silt loam, 0 to 1 percent slopes
- GtA - Gilbert silt loam, occasionally flooded
- OpA - Oprairie silt, 0 to 1 percent slopes
- ScA - Scotlandville silt, 0 to 1 percent slopes
- UrA - Urban land
- W - Water

Reference

Base map comprised of 2007 aerial photograph.
Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	12/16/08
Checked By	DRA	12/16/08
Approved By	MPH	12/16/08

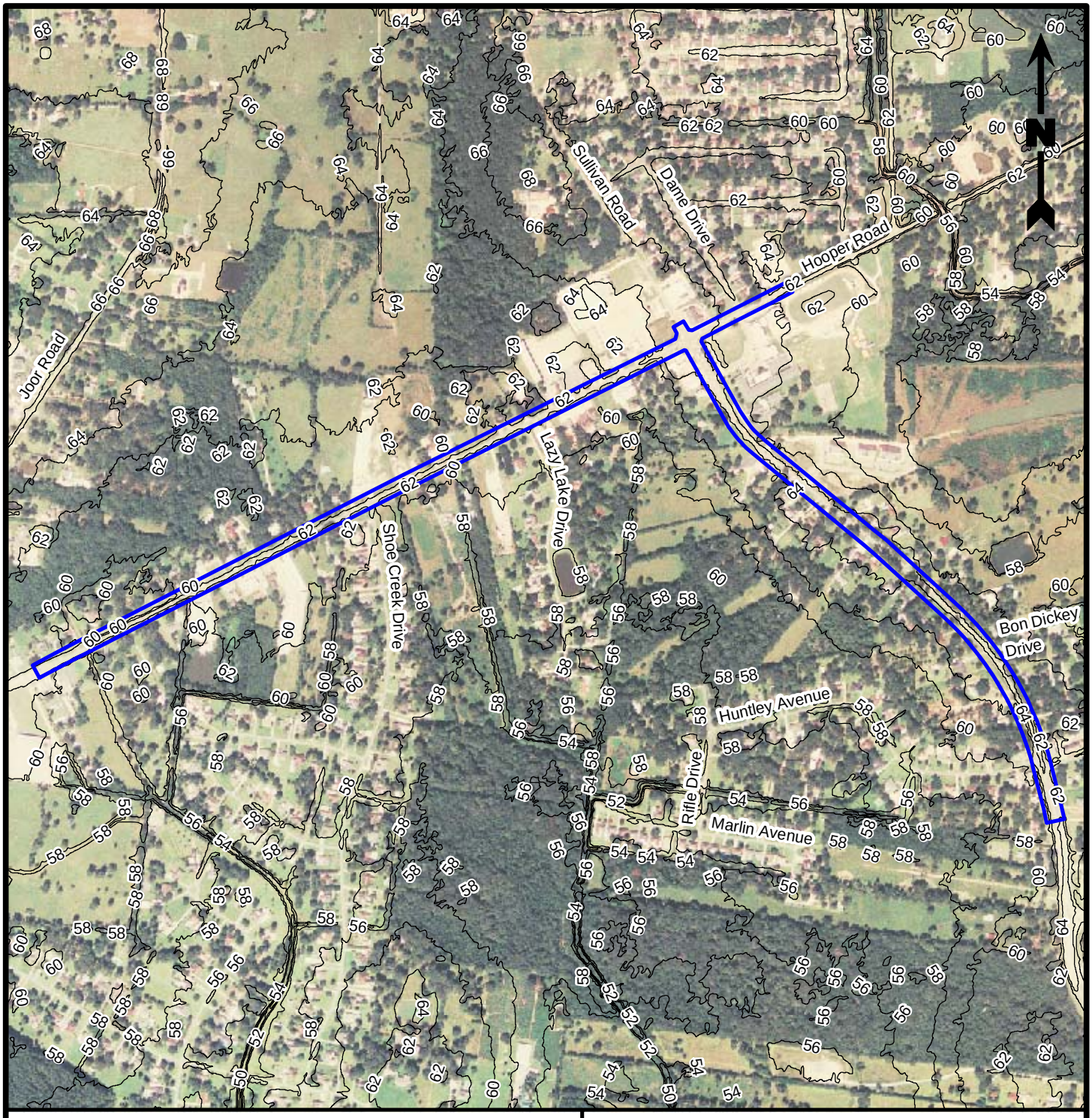
Project Number 079-007

Drawing Number 079-007-A004

5
Figure

FIGURE 6

LIDAR MAP



1,000 500 0 1,000 Feet

Legend

- Limits of Delineation (25.53 Acres)
- LIDAR Contours

Reference

Base map comprised of 2007 aerial photograph.
LIDAR Contours comprised of USACE/FEMA, elevation contours, dated 2003.

LIDAR Map

Green Light Plan - Hooper Road and Sullivan Road
East Baton Rouge Parish

East Baton Rouge Department of Public Works
Baton Rouge, Louisiana

PROVIDENCE

Drawn By	LMH	12/16/08
Checked By	DRA	12/16/08
Approved By	MPH	12/16/08

Project Number 079-007

Drawing Number 079-007-A005

6
Figure

APPENDIX A

ROUTINE WETLAND DETERMINATION DATA FORMS

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	1
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Sapium sebiferum	T	FAC			
Carya illinoensis	T	FAC+			
Ilex vomitoria	S	FAC			
Rubus louisianus	S	FAC			
Stenotaphrum secundatum	H	FAC			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100%

Remarks:

HYDROLOGY

X Recorded Data (Describe in Remarks):
- ____ Stream, Lake, or Tide Gauge
- X Aerial Photographs
- X Other
- ____ No Recorded Data Available

Field Observations:
- Depth of Surface Water: None (in.)
- Depth to Free Water in Pit: None (in.)
- Depth to Saturated Soil: None (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- No Inundated
- No Saturated in Upper 12 Inches
- No Water Marks
- No Drift Lines
- No Sediment Deposits
- No Drainage pattern In Wetlands

Secondary Indicators (2 or more required):
- No Oxidized Root Channels
- No Water-Stained Leaves
- No Local Soil Survey Data
- No FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase: Gilbert silt loam, 0-1 percent slopes
Subgroup: Typic Glossaqualfs
Drainage Class: poorly drained
Do Field Observations Confirm Mapped Type? Yes

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-10	Ap	10YR 5/3			silt loam
11-16+	Eg	10YR 6/2			silt loam

Hydric Soil Indicators:

No	Histosol	No	Concretions
No	Histic Epipedon	No	High Organic Content in Surface layer in Sandy Soils
No	Sulfidic Odor	No	Organic Streaking in Sandy Soils
Yes	Aquic Moisture Regime	Yes	Listed on Local Hydric Soils List
No	Reducing Conditions	Yes	Listed on National Hydric Soils List
No	Gleyed or Low-Chroma Colors		Other (Explain in Remarks)

Remarks: Unconsolidated fill was observed throughout Ap horizon.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes
Wetland Hydrology Present?	No
Hydric Soils Present?	Yes
Is this Sampling Point Within a Wetland?	No

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	2
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Stenotaphrum secundatum	H	FAC			
Sorghum halepense	H	FACU			
Polygonum punctatum	H	FACW+			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 67%

Remarks: *Polygonum punctatum* oobserved within roadside ditch.

HYDROLOGY

X	Recorded Data (Describe in Remarks):
	Stream, Lake, or Tide Gauge
X	Aerial Photographs
X	Other
	No Recorded Data Available

Field Observations:
- Depth of Surface Water: None (in.)
- Depth to Free Water in Pit: None (in.)
- Depth to Saturated Soil: None (in.)

Wetland Hydrology Indicators:

Primary Indicators:

No	Inundated
No	Saturated in Upper 12 Inches
No	Water Marks
No	Drift Lines
No	Sediment Deposits
No	Drainage pattern In Wetlands

Secondary Indicators (2 or more required):

No	Oxidized Root Channels
No	Water-Stained Leaves
No	Local Soil Survey Data
No	FAC-Neutral Test
	Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase: Urban land
Subgroup: N/A
Drainage Class: N/A
Do Field Observations Confirm Mapped Type? N/A

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-16+	Ap	10YR 4/3			Fill

Hydric Soil Indicators:

No	Histosol	No	Concretions
No	Histic Epipedon	No	High Organic Content in Surface layer in Sandy Soils
No	Sulfidic Odor	No	Organic Streaking in Sandy Soils
No	Aquic Moisture Regime	No	Listed on Local Hydric Soils List
No	Reducing Conditions	No	Listed on National Hydric Soils List
No	Gleyed or Low-Chroma Colors		Other (Explain in Remarks)

Remarks: Unconsolidated fill and crushed asphalt observed throughout profile.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes
Wetland Hydrology Present?	No
Hydric Soils Present?	No
Is this Sampling Point Within a Wetland?	No

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	3
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Stenotaphrum secundatum	H	FAC			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100%

Remarks:

HYDROLOGY

X	Recorded Data (Describe in Remarks):		Wetland Hydrology Indicators:
	Stream, Lake, or Tide Gauge		Primary Indicators:
X	Aerial Photographs	No	Inundated
X	Other	No	Saturated in Upper 12 Inches
	No Recorded Data Available	No	Water Marks
		No	Drift Lines
Field Observations:		No	Sediment Deposits
Depth of Surface Water:	None (in.)	No	Drainage pattern In Wetlands
Depth to Free Water in Pit:	None (in.)	Secondary Indicators (2 or more required):	
Depth to Saturated Soil:	None (in.)	No	Oxidized Root Channels
		No	Water-Stained Leaves
		No	Local Soil Survey Data
		No	FAC-Neutral Test
			Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase:	Urban land	Drainage Class:	N/A
Subgroup:	N/A	Do Field Observations Confirm Mapped Type?	N/A

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	Ap1	10YR 4/3			N/A
4-16+	Ap2	10YR 6/4			N/A

Hydric Soil Indicators:

No	Histosol	No	Concretions
No	Histic Epipedon	No	High Organic Content in Surface layer in Sandy Soils
No	Sulfidic Odor	No	Organic Streaking in Sandy Soils
No	Aquic Moisture Regime	No	Listed on Local Hydric Soils List
No	Reducing Conditions	No	Listed on National Hydric Soils List
No	Gleyed or Low-Chroma Colors		Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	*Remarks:*
Wetland Hydrology Present?	No	
Hydric Soils Present?	No	
Is this Sampling Point Within a Wetland?	No	

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	4
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Stenotaphrum secundatum	H	FAC			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100%

Remarks:

HYDROLOGY

X Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- X Aerial Photographs
- X Other
- ___ No Recorded Data Available

Field Observations:
- Depth of Surface Water: None (in.)
- Depth to Free Water in Pit: None (in.)
- Depth to Saturated Soil: None (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- No Inundated
- No Saturated in Upper 12 Inches
- No Water Marks
- No Drift Lines
- No Sediment Deposits
- No Drainage pattern In Wetlands

Secondary Indicators (2 or more required):
- No Oxidized Root Channels
- No Water-Stained Leaves
- No Local Soil Survey Data
- No FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase: Deerford silt loam, 0-2 percent slopes
Subgroup: Glossic Natraqualfs
Drainage Class: somewhat poorly drained
Do Field Observations Confirm Mapped Type? Yes

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-16+	Ap1	10YR 5/4			silt loam

Hydric Soil Indicators:

No	Histosol	No	Concretions
No	Histic Epipedon	No	High Organic Content in Surface layer in Sandy Soils
No	Sulfidic Odor	No	Organic Streaking in Sandy Soils
Yes	Aquic Moisture Regime	No	Listed on Local Hydric Soils List
No	Reducing Conditions	No	Listed on National Hydric Soils List
No	Gleyed or Low-Chroma Colors		Other (Explain in Remarks)

Remarks: Unconsolidated fill and crushed asphalt observed throughout profile.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes
Wetland Hydrology Present?	No
Hydric Soils Present?	No
Is this Sampling Point Within a Wetland?	No

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	5
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Quercus virginiana	T	FACU+			
Pinus taeda	T	FAC			
Ligustrum sinense	S	FAC			
Stenotaphrum secundatum	H	FAC			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 75%

Remarks:

HYDROLOGY

X Recorded Data (Describe in Remarks):
- Stream, Lake, or Tide Gauge
- X Aerial Photographs
- X Other
- No Recorded Data Available

Field Observations:
- Depth of Surface Water: None (in.)
- Depth to Free Water in Pit: None (in.)
- Depth to Saturated Soil: None (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- No Inundated
- No Saturated in Upper 12 Inches
- No Water Marks
- No Drift Lines
- No Sediment Deposits
- No Drainage pattern In Wetlands

Secondary Indicators (2 or more required):
- No Oxidized Root Channels
- No Water-Stained Leaves
- No Local Soil Survey Data
- No FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase: Urban land
Subgroup: N/A
Drainage Class: N/A
Do Field Observations Confirm Mapped Type? N/A

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-16+	Ap	10YR 6/3			fill

Hydric Soil Indicators:

- No Histosol
- No Histic Epipedon
- No Sulfidic Odor
- No Aquic Moisture Regime
- No Reducing Conditions
- No Gleyed or Low-Chroma Colors
- No Concretions
- No High Organic Content in Surface layer in Sandy Soils
- No Organic Streaking in Sandy Soils
- No Listed on Local Hydric Soils List
- No Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks: Unconsolidated fill and shale observed throughout profile.

WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes
- Wetland Hydrology Present? No
- Hydric Soils Present? No

Is this Sampling Point Within a Wetland? No

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	6
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Stenotaphrum secundatum	H	FAC			
Lamium maculatum	H	NI			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100%

Remarks:

HYDROLOGY

X Recorded Data (Describe in Remarks):
- ____ Stream, Lake, or Tide Gauge
- X Aerial Photographs
- X Other
- ____ No Recorded Data Available

Field Observations:
- Depth of Surface Water: None (in.)
- Depth to Free Water in Pit: None (in.)
- Depth to Saturated Soil: None (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- No Inundated
- No Saturated in Upper 12 Inches
- No Water Marks
- No Drift Lines
- No Sediment Deposits
- No Drainage pattern In Wetlands

Secondary Indicators (2 or more required):
- No Oxidized Root Channels
- No Water-Stained Leaves
- No Local Soil Survey Data
- No FAC-Neutral Test
- Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase: Dexter very fine sandy loam,1-3% slopes
Subgroup: Ultic Hapludalfs
Drainage Class: well drained
Do Field Observations Confirm Mapped Type? Yes

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-4	Ap	10YR 5/3			silt loam
5-16+	Bw	7.5YR 5/6	10YR 6/3	C/M/D	silt loam

Hydric Soil Indicators:

- No Histosol
- No Histic Epipedon
- No Sulfidic Odor
- No Aquic Moisture Regime
- No Reducing Conditions
- No Gleyed or Low-Chroma Colors
- No Concretions
- No High Organic Content in Surface layer in Sandy Soils
- No Organic Streaking in Sandy Soils
- No Listed on Local Hydric Soils List
- No Listed on National Hydric Soils List
- Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes
- Wetland Hydrology Present? No
- Hydric Soils Present? No

Is this Sampling Point Within a Wetland? No

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	7
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Pinus taeda	T	FAC			
Ilex vomitoria	S	FAC			
Stenotaphrum secundatum	H	FAC			

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100%

Remarks:

HYDROLOGY

X	Recorded Data (Describe in Remarks):		Wetland Hydrology Indicators:
	Stream, Lake, or Tide Gauge		Primary Indicators:
X	Aerial Photographs	No	Inundated
X	Other	No	Saturated in Upper 12 Inches
	No Recorded Data Available	No	Water Marks
		No	Drift Lines
Field Observations:		No	Sediment Deposits
Depth of Surface Water:	None (in.)	No	Drainage pattern In Wetlands
Depth to Free Water in Pit:	None (in.)	Secondary Indicators (2 or more required):	
Depth to Saturated Soil:	None (in.)	No	Oxidized Root Channels
		No	Water-Stained Leaves
		No	Local Soil Survey Data
		Yes	FAC-Neutral Test
			Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase:	Dexter very fine sandy loam,1-3% slopes	Drainage Class:	well drained
Subgroup:	Ultic Hapludalfs	Do Field Observations Confirm Mapped Type?	Yes

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-3	Ap	10YR 5/4			silt loam
4-16+	Bw	7.5YR 5/6			silt loam

Hydric Soil Indicators:

No	Histosol	No	Concretions
No	Histic Epipedon	No	High Organic Content in Surface layer in Sandy Soils
No	Sulfidic Odor	No	Organic Streaking in Sandy Soils
No	Aquic Moisture Regime	No	Listed on Local Hydric Soils List
No	Reducing Conditions	No	Listed on National Hydric Soils List
No	Gleyed or Low-Chroma Colors		Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes
Wetland Hydrology Present?	No
Hydric Soils Present?	No
Is this Sampling Point Within a Wetland?	No

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	Hooper Road and Sullivan Road	Date:	12/5/2008
Applicant/Owner:	East Baton Rouge Department of Public Works	Parish:	East Baton Rouge
Investigator(s):	Monica Herrera and Blake Perkins	State:	Louisiana
Do Normal Circumstances exist on the site?	Yes	Community ID:	Mowed/Maintained
Is the site significantly disturbed (Atypical Situation)?	No		
Is the area a potential Problem Area?	No	Plot ID:	8
(If needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	*Stratum*	*Indicator*	*Dominant Plant Species*	*Stratum*	*Indicator*
Ulmus americana	T	FACW			
Alopecurus carolinianus	H	FACW			
Solidago altissima	H	FACU+			
Eupatorium capillifolium	H	FACU			
Sorghum halepense	H	FACU			
Hydrocotyle umbellata	H	OBL			
Andropogon glomeratus	H	FACW+			
Eleocharis palustris	H	OBL			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		63%			

Remarks: Hydrophytic vegetation is restricted to roadside ditch.

HYDROLOGY

X	Recorded Data (Describe in Remarks):
	Stream, Lake, or Tide Gauge
X	Aerial Photographs
X	Other
	No Recorded Data Available

Field Observations:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: None (in.)

Wetland Hydrology Indicators:
Primary Indicators:

No	Inundated
No	Saturated in Upper 12 Inches
No	Water Marks
No	Drift Lines
No	Sediment Deposits
No	Drainage pattern In Wetlands

Secondary Indicators (2 or more required):

No	Oxidized Root Channels
No	Water-Stained Leaves
No	Local Soil Survey Data
Yes	FAC-Neutral Test
	Other (Explain in Remarks)

Remarks:
Other: USGS 7.5-minute Topographic Map.

SOILS

Soil Series/Phase: Gilbert silt loam, 0-1 percent slopes
Subgroup: Typic Glossaqualfs
Drainage Class: poorly drained
Do Field Observations Confirm Mapped Type? Yes

Soil Profile Description:

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
0-5	Ap	10YR 5/3			silt loam
6-16+	Eg	10YR 6/2	10YR 4/6	C/M/D	silt loam

Hydric Soil Indicators:

No	Histosol	No	Concretions
No	Histic Epipedon	No	High Organic Content in Surface layer in Sandy Soils
No	Sulfidic Odor	No	Organic Streaking in Sandy Soils
Yes	Aquic Moisture Regime	Yes	Listed on Local Hydric Soils List
No	Reducing Conditions	Yes	Listed on National Hydric Soils List
No	Gleyed or Low-Chroma Colors		Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes
Wetland Hydrology Present?	No
Hydric Soils Present?	Yes
Is this Sampling Point Within a Wetland?	No

Remarks:

APPENDIX B

SITE PHOTOGRAPHS

Sample Location 1

Sample Location 2

Sample Location 3

Sample Location 4

Sample Location 5

Sample Location 6

Sample Location 7

Sample Location 8

Northerly view of Drainage Feature 1

Southerly view of Drainage Feature 1

Northerly view of Drainage Feature 2

Southerly view of Drainage Feature 2

Northerly view of Drainage Feature 3

Southerly view of Drainage Feature 3

Northerly view of Drainage Feature 4

Southerly view of Drainage Feature 4

Northerly view of Drainage Feature 5

Easterly view of Drainage Feature 5

Appendix **D**

Solicitation of Views

January 7, 2013 Solicitation of Views

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245
www.dotd.la.gov
225.242.4502

BOBBY JINDAL
GOVERNOR

SHERRI H. LEBAS, P.E.
SECRETARY

January 7, 2013

STATE PROJECT NO: H.002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

TO: Solicitation of Views Mailing List

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 DOTD with the early identification of possible adverse economic, social, or environmental effects or concerns. Your assistance in this regard will be appreciated.

Due to the earliness of this request for your views, very limited data concerning the proposed project exists. We have, however, attached a map showing the general location of the proposed project, along with a preliminary project description.

It is requested that you review the attached information and furnish us with your views and comments by **February 8, 2013**. Replies should be addressed to LA DOTD; Environmental Engineer Administrator; P.O. Box 94245; Baton Rouge, Louisiana 70804-9245. Please reference the State Project Number in your reply.

If you have any questions or require additional information, please contact Cyndi Bowman at 225.242.4510.

Sincerely,

for Noel Ardoin
Environmental Engineer Administrator

NL
Attachments
NA/clb
cc: District Administrator
District Traffic Operations Engineer

PRELIMINARY PROJECT DESCRIPTION

STATE PROJECT NO: H.002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

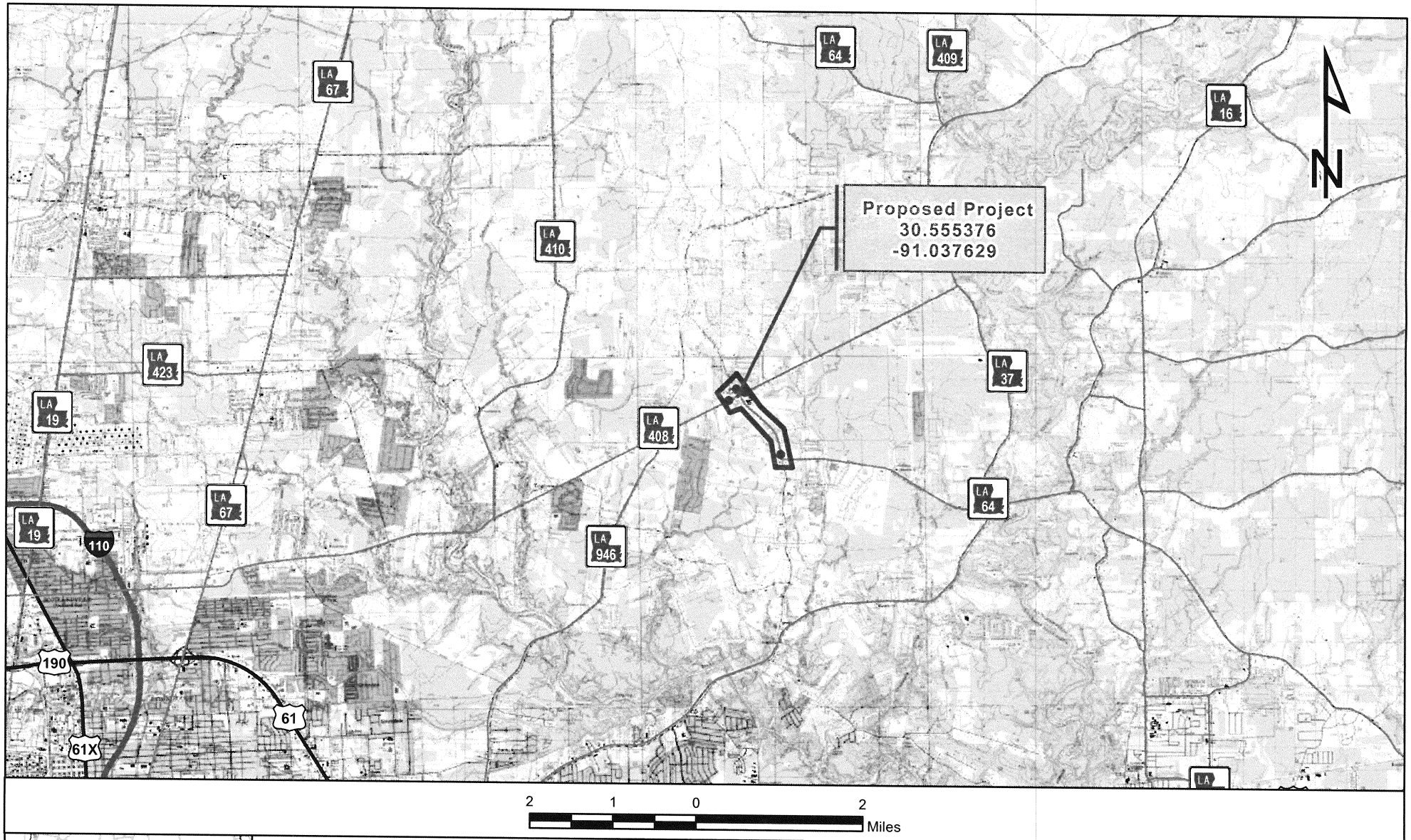
The Louisiana Department of Transportation and Development (LDOTD) is proposing to widen LA 3034 (Sullivan Road) from Central Woods Avenue to just past Hooper Road in East Baton Rouge Parish. The proposed project begins on Sullivan Road just north of Wax Road (30.543958, -91.028835 DD) and proceeds northwest to the intersection of Hooper Road (30.555376, -91.037629 DD). The proposed project is located in Sections 5 & 68 of Township 06S Range 02E.

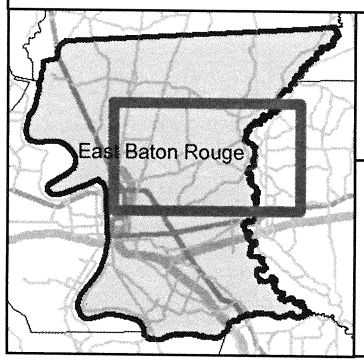
The existing roadway consists of two 10-foot wide lanes with shoulders, open ditches, and no median. The proposed widening project would be constructed approximately along the existing center line of the roadway with additional required right-of-way on both sides. The new roadway would have a 106-foot clear roadway consisting of four 12-foot travel lanes; a 10-foot wide (maximum) raised median with J-turns; and a 24-foot clear zone consisting of 8-foot shoulders (including 6-foot sidewalks) and a 16-foot clear area on each side. The new roadway would be constructed with concrete curb and gutter drains and a subsurface drainage system. Intersection improvements to LA 408 (Hooper Road) are also proposed to approximately 750 feet west of the Sullivan Road intersection, which includes widening to accommodate turn lanes.

LA 3034 (Sullivan Road) would remain open and through and local traffic will be maintained at all times. Overall project length would be approximately 1.16 miles.

Average Daily Traffic values for LA 3034 are 26,775 vehicles per day for 2012 and would be 37,869 for 2032. LA 3034 is classified as an urban arterial collector (UA-2). Additional right-of-way would be required. Relocations are anticipated.

It is anticipated that this project would be environmentally processed as an Environmental Exclusion.





PROJECT LOCATION

SOURCE: USGS 1:100,000 TOPOGRAPHIC MAP - MONROE NORTH QUADRANGLE

STATE PROJECT NO: H.002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

LOUISIANA'S ON THE MOVE...
DOTD
BUILDS THE WAY

US House of Representatives

U.S. House of Representatives (District 1)
Honorable Steve Scalise
201 S. Cate St. Suite E
Hammond, LA 70403

U.S. House of Representatives (District 2)
Honorable Richmond Cedric
2021 Lakeshore Dr. Suite 309
New Orleans, LA 70122

U.S. House of Representatives (District 3)
Honorable Jeff Landry
423 Lafayette St. Suite 107
Houma, LA 70360

U.S. House of Representatives (District 4)
Honorable John Fleming
6425 Youree Dr. Suite 350
Shreveport, LA 71105

U.S. House of Representatives (District 5)
Honorable Rodney Alexander
1900 Stubbs Ave Suite B
Monroe, LA 71201

U.S. House of Representatives (District 6)
Honorable Bill Cassidy
5555 Hilton Ave Suite 100
Baton Rouge, LA 70808

U.S. House of Representatives (District 7)
Honorable Charles W. Boustany Jr.
800 Lafayette St Suite 1400
Lafayette, LA 70501

US Senate

United States Senate
Senator David Vitter
2800 Veterans Memorial Blvd Suite 201
Metairie, LA 70002

United States Senate
Senator Mary Landrieu
Hale Boggs Federal Building
500 Poydras St. Rm. 1005
New Orleans, LA 70130

Dept of Agriculture and Forestry

Department of Agriculture and Forestry
Office of Soil/Water Conservation
P.O. Box 3554
Baton Rouge, LA 70821

Department of Agriculture and Forestry
Office of Forestry
P.O. Box 1628
Baton Rouge, LA 70821

Coalition to Restore Coastal LA

Coalition to Restore Coastal Louisiana
Steven Peyronnin, Executive Director
6160 Perkins Rd. Suite 225
Baton Rouge, LA 70808

Coast Guard

8th Coast Guard District
District Commander
Hale Boggs Federal Building
500 Poydras St.
New Orleans, LA 70130

Dept of Culture Recreation and Tourism

Department of Culture Recreation & Tourism
Division of Archaeology
P.O. Box 44247
Capitol Annex 3rd
Baton Rouge, LA 70804

Department of Culture Recreation & Tourism
Office of State Parks
P.O. Box 44426
Baton Rouge, LA 70804

Division of Administration

Division of Administration
State Land Office
P.O. Box 44124
Baton Rouge, LA 70804

Division of Administration
State Planning Office
P.O. Box 94095
Baton Rouge, LA 70804

Dept of Economic Development

Department of Economic Development
Office of Business Development
P.O. Box 94185
Baton Rouge, LA 70804

Environmental Protection Agency

Environmental Protection Agency
Source Water Protection (6WQ-S)
1445 Ross Ave
Dallas, TX 75202-2733

Environmental Protection Agency
Federal Activities BR (6E-F)
1445 Ross Ave
Dallas, TX 75202-2733

Dept of Environmental Quality

Would like emailed version
LA Department of Environmental Quality
Beth Altazan-Dixon,
Office of the Secretary
P.O. Box 4301
Baton Rouge, LA 70821

Federal Transit Administration

Federal Transit Administration Region 6
819 Taylor St. Rm. 8A36
Fort Worth, TX 76102

FEMA

FEMA Region VI
800 North Loop 288
Denton, TX 76209

US Fish & Wildlife Service

U.S. Fish & Wildlife Service
646 Cajun Dome Blvd. Suite 400
Lafayette, LA 70506

LA Forestry

Louisiana Forestry Association
Executive Director
P.O. Box 5067
Alexandria, LA 71301

LA Good Roads

Louisiana Good Roads Association
P.O. Box 3713
Baton Rouge, LA 70821

Dept of Health and Hospitals

Department of Health and Hospitals
Tenney Sibley, Chief Sanitarian
628 N. 4th St.
Baton Rouge, LA 70802

Department of Health and Hospitals
Division of Environmental Health
ATTN: Steven Davis, P.E.
P.O. Box 4489
Baton Rouge, LA 70821

Indian Tribe Offices

Office of Indian Affairs
Director
P.O. Box 94004
Baton Rouge, LA 70804

Inter-Tribal Council of Louisiana, INC
Kevin Billiot, Director
8281 Goodwood Blvd. Suite I-2
Baton Rouge, LA 70808

Coushatta Tribe of Louisiana
P.O. Box 818
Elton, LA 70532

Jena Band of Choctaw Indians
P.O. Box 14
Jena, LA 71342

Mississippi Band of Choctaw Indians
101 Industrial Rd
Choctaw, MS 39350

Tunica-Biloxi Tribe of Louisiana
P.O. Box 1589
Marksville, LA 71351

Dept of Interior

U.S. Geological Survey
3535 S. Sherwood Forest Suite 120
Baton Rouge, LA 70806

U.S. National Park Service
Southeast Region
100 Alabama St., SW
1924 Building
Atlanta, GA 30303

LSU

Louisiana State University
Sea Grant Legal Advisory Service
James G Wilkins
227B Sea Grant Building
Baton Rouge, LA 70803

Dept of Natural Resources

Louisiana Department of Natural Resources
Office of Conservation
617 N. 3rd St.
Baton Rouge, LA 70802

Louisiana Department of Natural Resources
Office of Mineral Resources
P.O. Box 2827
Baton Rouge, LA 70821

Natural Resources Service

Natural Resources Conservation Service
Kevin D. Norton
3737 Government St.
Alexandria, LA 71302

Dept of Public Safety

Department of Public Safety
Highway Safety Commission
P.O. Box 66336
Baton Rouge, LA 70896

Wildlife & Fisheries

Department of Wildlife & Fisheries
Louisiana Natural Heritage Program
P.O. Box 98000
Baton Rouge, LA 70898

Intradepartmental

Floodplain Management Program
Susan Veillon → District 64

E B R Parish Mailing List
*****Updated 01/07/2013*****

Hon. Regina Ashford Barrow
LA House of Representatives
(District 29)
4811 Harding Blvd.
Baton Rouge, LA 70811

Honorable Alfred C Williams
LA House of Representatives
(District 61)
701 S. Acadian Thwy
Baton Rouge, LA 70806

Honorable Kenneth E Havard
LA House of Representatives
(District 62)
P.O. Box 217
Jackson, LA 70748

Hon Dalton Honre
LA House of Representatives
(District 63)
8776 Scenic Highway
Baton Rouge, LA 70807

Hon Valarie Hodges
LA House of Representatives
(District 64)
35055 La Hwy 16, Suite 2a
Denham Springs, LA 70706

Hon Clifton "Clif" R. Richardson
LA House of Representatives
(District 65)
P.O. Box 78280
Baton Rouge, LA 70837

Hon. Hunter Greene
LA House of Representatives
(District 66)
8708 Jefferson Hwy., Ste. B
Baton Rouge, LA 70809

Honorable Patricia Haynes Smith
LA House of Representatives
(District 67)
251 Florida St. Ste. 300
Baton Rouge, LA 70801

Honorable Stephen F. Carter
LA House of Representatives
(District 68)
3115 Old Forge
Baton Rouge, LA 70808

Honorable Erich Edward Ponti
LA House of Representatives
(District 69)
7341 Jefferson Hwy, Suite J
Baton Rouge, LA 70806

Honorable Franklin J. Foil
LA House of Representatives
(District 70)
320 Somerulos St.
Baton Rouge, LA 70802

Hon. Edward C. "Ted" James II
LA House of Representatives
(District 101)
3552 Monterrey Blvd.
Baton Rouge, LA 70814

Hon. Mack "Bodi" White
The State Senate
(District 6)
808 O'Neal Ln.
Baton Rouge, LA 70816

Honorable Dale Erdey
The State Senate
(District 13)
P.O. Box 908
Livingston, LA 70754

Honorable Yvonne Dorsey-Colomb
The State Senate
(District 14)
1520 Thomas H. Delpit Ste. 226
Baton Rouge, LA 70802

Hon Sharon Weston Broome
The State Senate
(District 15)
P.O. Box 52783
Baton Rouge, LA 70892-2783

Honorable Dan Claitor
The State Senate
(District 16)
7520 Perkins Rd, Suite 160
Baton Rouge, LA 70808

Honorable Rick Ward
The State Senate
(District 17)
P.O. Box 94183
Baton Rouge, LA 70804

Mayor Melvin "Kip" Holden
City of Baton Rouge
P.O. Box 1471
Baton Rouge, LA 70821

Chamber Of Commerce
Baton Rouge Area
564 Laurel Street
Baton Rouge, LA 70801

East Baton Rouge Parish School Board
P.O. Box 2950
Baton Rouge, LA 70821

Baton Rouge Police Dept.
P.O. Box 2406
Baton Rouge, LA 70821

EBR City Planning Commission
Planning Director
P.O. Box 1471
Baton Rouge, LA 70821

Capital Area Groundwater
Conservation Commission
3535 S. Sherwood Forest Blvd. #137
Baton Rouge, LA 70816

Greater Baton Rouge Port Comm.
P.O. Box 380
Port Allen, LA 70767-0380

Capital Region Planning Comm
333 N. 19th St.
P.O. Box 3355
Baton Rouge, LA 70821

Greater Gonzales Chamber of Commerce
P.O. Box 1204
Gonzales, LA 70707-1204

Capital Soil & Water Conservation Dist. Of LA
2191A Tower Street
Denham Springs, LA 70726

Louisiana State Police
Troop A
17801 Highland Road
Baton Rouge, LA 70810

Dept. of Emergency Management
Emergency Operations Center
P.O. Box 1471
Baton Rouge, LA 70821

E. B. R. Parish Sheriff
P.O. Box 2406
Baton Rouge, LA 70821

St. Francisville Planning Commission
P.O. Box 400
St. Francisville, LA 70775

EBR Metro Parish Council
P.O. Box 1471
Baton Rouge, LA 70821

Ms. Karen Oberlies
Dept Of The Army – Tech Support
P.O. Box 60267
New Orleans, LA 70538

Executive Director
Capitol Transportation Corp.
2250 Florida Boulevard
Baton Rouge, LA 70802

Amite River Basin Commission
3535 South Sherwood Forest Blvd, Ste. 135
Baton Rouge, LA 70816

EBR Parish City Government
P.O. Box 1471
Baton Rouge, LA 70821

Baton Rouge Bicycle Club
P.O. Box 253
Baton Rouge, LA 70821

Baton Rouge Green Association
448 N 11th Street
Baton Rouge, LA 70802-4607

Chitimacha Tribe
155 Chitimacha Loop Road
Charenton, LA 70523

Alabama Coushatta Tribe of TX
571 State Park St. 65
Livingston, TX 77351

Choctaw Nation of Oklahoma
Ian Thompson Phd, Rpa
P.O. Box 1210
Durant, OK 74702-1210

Seminole Nation of Oklahoma
Natalie Deere, Historic Preservation Officer
P.O. Box 1498
Wewoka, OK 74884

Seminole Tribe of Florida
THPO
30290 Josie Billie Hwy PMB 1004
Clewiston, FL 33440

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
3737 Government Street
Alexandria, LA 71302

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

January 15, 2013

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

RE: Sullivan - Hooper Road - State Project No.: H.002320

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 are within urban areas and therefore is exempt from the rules and regulations of the Farmland Protection Policy Act (FPPA)—Subtitle I of Title XV, Section 1539-1549.

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,

ACTING FOR
Kevin D. Norton
State Conservationist

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

REPLY TO
ATTENTION OF

FEB 0 1 2013

Operations Division
Operations Manager,
Completed Works

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

Dear Mr. Ardoin:

This is in response to your Solicitation of Views request dated January 7, 2013, concerning the widening of LA 3034 (Sullivan Road) from Central Woods Avenue to just past Hooper Road, in East Baton Rouge Parish, Louisiana (State Project No. H.002320).

We have reviewed your request for potential Department of the Army regulatory requirements and impacts on any Department of the Army projects.

We do not anticipate any adverse impacts to any Corps of Engineers projects.

Based on review of recent maps, aerial photography, and soils data, we have determined that this property is not in a wetland subject to Corps of Engineers jurisdiction. A Department of the Army permit under Section 404 of the Clean Water Act will not be required for the deposition or redistribution of dredged or fill material on this site.

You are advised that this approved jurisdictional determination is valid for a period of five years from the date of this letter unless new information warrants revision prior to the expiration date or the District Commander has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.

Off-site locations of activities such as borrow, disposals, haul-and detour-roads and work mobilization site developments may be subject to Department of the Army regulatory requirements and may have an impact on a Department of the Army project.

Please contact Mr. Robert Heffner, of our Regulatory Branch by telephone at (504) 862-1288, or by e-mail at Robert.A.Heffner@usace.army.mil for questions concerning wetlands determinations or need for on-site evaluations. Questions concerning regulatory permit requirements may be addressed to Mr. John Herman by telephone at (504) 862-1581 or by e-mail at John.M.Herman@usace.army.mil.

Future correspondence concerning this matter should reference our account number MVN-2013-00182-SU. This will allow us to more easily locate records of previous correspondence, and thus provide a quicker response.

Sincerely,

Karen L. Clement
Solicitation of Views Manager

ALABAMA-COUSHATTA TRIBE OF TEXAS
571 State Park Road 56 • Livingston, Texas 77351 • (936) 563-1100

February 1, 2013

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

Dear Engineer:

On behalf of the Alabama-Coushatta Tribe, our appreciation is expressed on your efforts to consult us regarding H002320 LA 3034 road widening in East Baton Rouge Parish.

Our Tribe maintains ancestral associations throughout the state of Louisiana despite the absence of written records to completely identify Tribal activities, villages, trails, or grave sites. However, it is our objective to ensure significances of American Indian ancestry, especially of Alabama-Coushatta origin, are administered with the utmost considerations.

Upon review of your January 7, 2013 submission, no known impacts to cultural assets of the Alabama-Coushatta Tribe of Texas are anticipated in conjunction with this proposal. In the event of inadvertent discovery of human remains and/or archaeological artifacts, activity in proximity to the location must cease and appropriate authorities, including this office, notified without delay for additional consultations.

Should you require further assistance regarding this matter, please do not hesitate to contact us.

Respectfully submitted,

Bryant J. Celestine
Historic Preservation Officer

Telephone: 936 – 563 – 1181 celestine.bryant@actribe.org Fax: 936 – 563 – 1183

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.002320, Sullivan Road, Route LA 3034, East Baton Rouge Parish, LA

Dear Mr. Ardoin,

Thank you for your correspondence regarding the above referenced project. East Baton Rouge 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 for this project. Also wee 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

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
3737 Government Street
Alexandria, LA 71302

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

January 15, 2013

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

RE: Sullivan - Hooper Road - State Project No.: H.002320

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 are within urban areas and therefore is exempt from the rules and regulations of the Farmland Protection Policy Act (FPPA)—Subtitle I of Title XV, Section 1539-1549.

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,

ACTING FOR
Kevin D. Norton
State Conservationist

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

SHERRI H. LEBAS, P.E.
SECRETARY

January 7, 2013

STATE PROJECT NO: H.002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

TO: Solicitation of Views Mailing List

No known historic properties will be affected by this undertaking. This effect determination could change should new information come to our attention.

Pam Breaux 2-28-13
Pam Breaux — Date
State Historic Preservation Officer

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 DOTD with the early identification of possible adverse economic, social, or environmental effects or concerns. Your assistance in this regard will be appreciated.

Due to the earliness of this request for your views, very limited data concerning the proposed project exists. We have, however, attached a map showing the general location of the proposed project, along with a preliminary project description.

It is requested that you review the attached information and furnish us with your views and comments by **February 8, 2013**. Replies should be addressed to LA DOTD; Environmental Engineer Administrator; P.O. Box 94245; Baton Rouge, Louisiana 70804-9245. Please reference the State Project Number in your reply.

If you have any questions or require additional information, please contact Cyndi Bowman at 225.242.4510.

JAN-10-13

Sincerely,

J.C.

for Noel Ardoin
Environmental Engineer Administrator

NU

Attachments
NA/clb
cc: District Administrator
District Traffic Operations Engineer

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

INTRADEPARTMENTAL CORRESPONDENCE

IN REPLY REFER TO
FILE NO.

REFERRED TO

____ REFERRED FOR ACTION
____ ANSWER FOR MY SIGNATURE
____ FOR FILE
____ FOR YOUR INFORMATION
____ FOR SIGNATURE
____ RETURN TO ME
____ PLEASE SEE ME
____ PLEASE TELEPHONE ME
____ FOR APPROVAL
____ PLEASE ADVISE ME
____ _____

BY _____ DATE _____
BY _____ DATE _____
BY _____ DATE _____

January 15, 2013
(225) 389-2185

S. P. NO. H.002320
LA 3034: SULLIVAN ROAD (WAS – HOOPER)
CONTROL SECTION 255-30
LOGMILE: 0.000 – 0.942
CENTRAL
EAST BATON ROUGE PARISH
DISTRICT 61

MEMORANDUM

TO: Noel Ardoin.
Environmental Engineer Administrator

FROM: Cary McNamara, P.E. CDM
Traffic Operations Engineer

SUBJECT: Solicitation of Views

The captioned project should improve the safety and capacity, and decrease delays in the section of roadway. The widening project should be coordinated with the City of Central Master Plan (http://www.centralgov.com/CityClerk/MP.html). If J-turns are required the minimum width of a median is 14-ft.

This office has no objection to the widening project if appropriately designed.

Should further discussion of these comments be necessary, please contact me at (225) 389-2185 or via email: cary.mcnamara@la.gov.

REF: 17-13-35

_____ _____
RECOMMENDED FOR APPROVAL DATE

_____ _____
RECOMMENDED FOR APPROVAL DATE

_____ _____
RECOMMENDED FOR APPROVAL DATE

_____ _____
APPROVED DATE

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245
www.dotd.la.gov
225.242.4502

BOBBY JINDAL
GOVERNOR

SHERRI H. LEBAS, P.E.
SECRETARY

January 7, 2013

STATE PROJECT NO: H.002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

TO: Solicitation of Views Mailing List

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 DOTD with the early identification of possible adverse economic, social, or environmental effects or concerns. Your assistance in this regard will be appreciated.

Due to the earliness of this request for your views, very limited data concerning the proposed project exists. We have, however, attached a map showing the general location of the proposed project, along with a preliminary project description.

It is requested that you review the attached information and furnish us with your views and comments by **February 8, 2013**. Replies should be addressed to LA DOTD; Environmental Engineer Administrator; P.O. Box 94245; Baton Rouge, Louisiana 70804-9245. Please reference the State Project Number in your reply.

If you have any questions or require additional information, please contact Cyndi Bowman at 225.242.4510.

Sincerely,

for Noel Ardoin
Environmental Engineer Administrator

NL
Attachments
NA/clb
cc: District Administrator
District Traffic Operations Engineer

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

January 24, 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 7, 2013, letter requesting our evaluation of the potential environmental impacts which might result from the following project:

Widen LA 3034 (Sullivan Road)
Central Woods Avenue to Hooper Road
STP No. H.002320
East Baton Rouge Parish, Louisiana

The project, proposed for financial assistance through the Louisiana Department of Transportation and Development is located on the Southern Hills 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/County; 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,

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

cc: Jesse Means, LDEQ

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245
www.dotd.la.gov
225.242.4502

BOBBY JINDAL
GOVERNOR

SHERRI H. LEBAS, P.E.
SECRETARY

January 7, 2013

This project has been reviewed for effects to Federal trust resources under our jurisdiction and currently protected by the Endangered Species Act of 1973 (Act). The project, as proposed,
(✓) Will have no effect on those resources
( ) Is not likely to adversely affect those resources.
This finding fulfills the requirements under Section 7(a)(2) of the Act.

Acting Supervisor — Date
Louisiana Field Office
U.S. Fish and Wildlife Service

STATE PROJECT NO: H.002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

TO: Solicitation of Views Mailing List

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 DOTD with the early identification of possible adverse economic, social, or environmental effects or concerns. Your assistance in this regard will be appreciated.

Due to the earliness of this request for your views, very limited data concerning the proposed project exists. We have, however, attached a map showing the general location of the proposed project, along with a preliminary project description.

It is requested that you review the attached information and furnish us with your views and comments by **February 8, 2013**. Replies should be addressed to LA DOTD; Environmental Engineer Administrator; P.O. Box 94245; Baton Rouge, Louisiana 70804-9245. Please reference the State Project Number in your reply.

If you have any questions or require additional information, please contact Cyndi Bowman at 225.242.4510.

SITE MAY CONTAIN WETLANDS
Contact the U.S. Army Corps of Engineers
for a jurisdictional determination.
District: New Orleans, LA
Telephone No. 504-862-2274

Sincerely,

for Noel Ardoin
Environmental Engineer Administrator

NL
Attachments
NA/clb
cc: District Administrator
District Traffic Operations Engineer

Office of the Planning Commission

City of Baton Rouge and Parish of East Baton Rouge
Post Office Box 1471, Baton Rouge, Louisiana 70821
or
1100 Laurel Street, Suite 104, Baton Rouge, LA 70802
Phone (225) 389-3144 Fax (225) 389-5342

Troy L. Bunch, FASLA
Planning Director

January 29, 2013

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

Dear Ms. Ardoin:

This letter relates to the request for a Solicitation of Views (State Project Number H.002320) for the Sullivan Road project.

The City of Central is not included in FUTUREBR, the Comprehensive Land Use and Development Plan for the City of Baton Rouge – Parish of East Baton Rouge. Therefore, we have no comments regarding State Project Number H.002320.

Please contact our office if you have questions regarding this subject.

Sincerely,

Troy L. Bunch, FASLA
Planning Director

TLB/SLM/omh

c: Ellen A. Miller, Assistant Planning Director
Ryan Holcomb, Planning Project Coordinator
C. Lael Holton, Manager, Advance Planning and Research

BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF CONSERVATION

STEPHEN CHUSTZ
INTERIM SECRETARY

JAMES H. WELSH
COMMISSIONER OF CONSERVATION

January 31, 2013

TO: Ms. Noel Ardoin
Environmental Engineer Administrator
LADOTD
P. O. Box 94245
Baton Rouge, Louisiana 70804-9245

RE: SOLICITATION OF VIEWS
STATE PROJECT NO. H.002320
SULLIVAN ROAD (WAX - HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

Dear Ms. Ardoin:

In response to your letter dated January 7, 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 no oil, gas or injection wells located within or adjacent to the project area. However, the DNR water well database indicates the possibility that there are registered water wells in the vicinity of the area. Additionally, unregistered water wells may 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:

Division	Contact	Phone No.	E-mail Address
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.

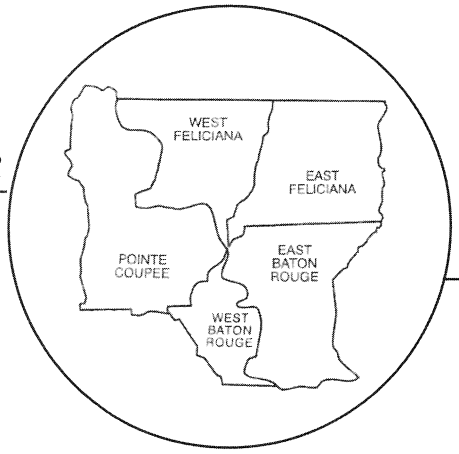
Sincerely,

James H. Welsh
Commissioner of Conservation

JHW:MBK

CAPITAL AREA GROUND WATER
CONSERVATION DISTRICT

ANTHONY J. DUPLECHIN
DIRECTOR



3535 S. Sherwood Forest Blvd., Suite 137
Baton Rouge, Louisiana 70816-2255
Telephone (225) 293-7370

January 22, 2013

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

Re: State Project No. H.002320
Sullivan Road (Wax – Hooper)
Route LA 3034
East Baton Rouge Parish

Dear Sir:

Concerning the referenced project, we anticipate no detrimental effects on the groundwater resources resulting from the project.

Sincerely,

Anthony J. Duplechin
Director

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 10, 2013
Name	Noel Ardoin
Company	LA DOTD
Street Address	P. O. Box 94245
City, State, Zip	Baton Rouge, LA 70804
Project	State Project No.: H.002320 Sullivan Rd (Wax-Hooper) Route LA 3034
Project ID	52013
Invoice Number	13011014

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 10, 2013
Invoice Number	13011014
Project	State Project No.: H.002320 Sullivan Rd (Wax-Hooper) Route LA 3034
Name	Noel Ardoin
Company	LA DOTD
Street Address	P. O. Box 94245
City, State, Zip	Baton Rouge, LA 70804
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.

BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY
JIMMY L. ANTHONY
ASSISTANT SECRETARY

INVOICE

RETURN THIS COPY OF INVOICE WITH PAYMENT

Date	January 10, 2013
Invoice Number	13011014
Project	State Project No.: H.002320 Sullivan Rd (Wax-Hooper) Route LA 3034
Name	Noel Ardoin
Company	LA DOTD
Street Address	P. O. Box 94245
City, State, Zip	Baton Rouge, LA 70804
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.

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245
www.dotd.la.gov
225-379-3005

BOBBY JINDAL
GOVERNOR

SHERRI H. LEBAS, P.E.
SECRETARY

January 10, 2013

STATE PROJECT NO.: H.002320
F.A.P.: H.002320
NAME: SULLIVAN ROAD (WAX-HOOPER)
ROUTE: LA 42
PARISH: EAST BATON ROUGE

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

Subject: Solicitation of Views

Dear Ms. Ardoin:

Enclosed is a copy of the Flood Insurance Rate Map (FIRM) for East Baton Rouge Parish, which includes the City of Central, indicating the proposed project.

During and after the project, consideration must be given for the occurrence of a base flood inundation. At this time, consideration should also be given to the responsibility for clearing debris and keeping the area cleared so as not to interfere with its function.

In order to assure compliance with the City of Central for the National Flood Insurance Program (NFIP), and so that appropriate permits are obtained, please contact the following floodplain administrator: Mr. Dan Leone, 6703 Sullivan Road, Central, LA 70739 and telephone no. 225-262-5000.

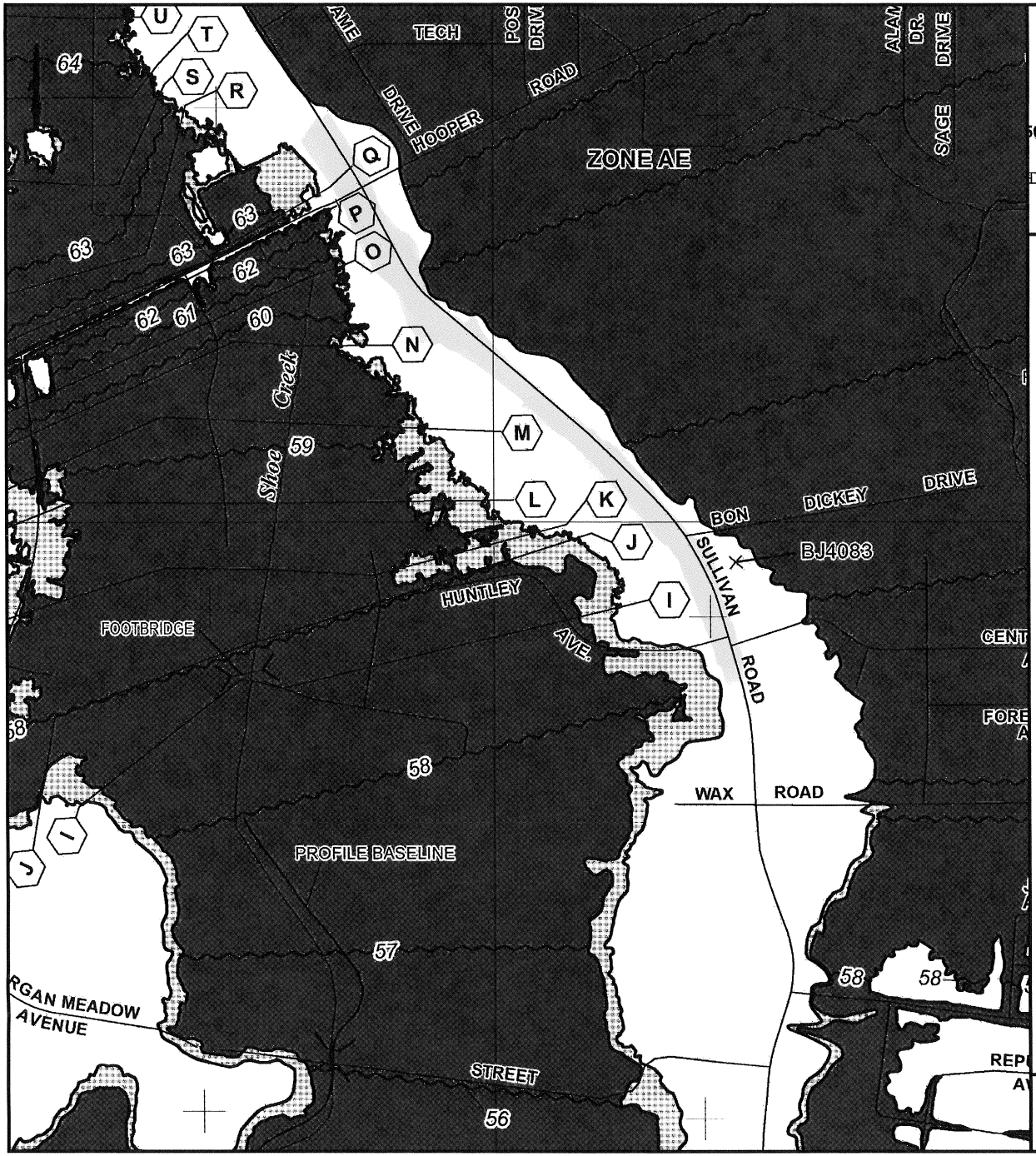
We thank you for the opportunity to comment on this project. If you need additional information, please contact our office, (225) 379-3005.

Sincerely,

Susan Veillon

Susan Veillon, CFM
Floodplain Management Program Coordinator

pc: Mr. Dan Leone



MAP SCALE 1" = 1000'

500 0 1000 2000

FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0195F

FIRM

FLOOD INSURANCE RATE MAP

EAST BATON ROUGE PARISH, LOUISIANA

AND INCORPORATED AREAS

PANEL 195 OF 360

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CENTRAL, CITY OF	220060	0195	F
EAST BATON ROUGE PARISH	220058	0195	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
22033C0195F

MAP REVISED
JUNE 19, 2012

Federal Emergency Management Agency

U.S. Department of Homeland Security
FEMA Region 6
800 N. Loop 288
Denton, TX 76209-3698

FEMA

Region VI
Federal Insurance and Mitigation Administration

Public Notice Review

Re: Sullivan Road (Wax-Hooper)
Project #H.002320
East Baton Rouge Parish

☑ We offer the following comments:

Please contact Jim Ferguson, the Ascension Parish, Floodplain Administrator (phone number 225-389-3196) for Floodplain Development Permit requirements.

Reviewer: Tamara Hansen TH Date: 1/16/2012

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

November 7, 2013 Solicitiation of Views

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Environmental Section
P.O. Box 94245 | Baton Rouge, LA 70804-9245
phone: 225-242-4502 | fax: 225-242-4500

Bobby Jindal, Governor
Sherri H. LeBas, P.E., Secretary

November 7, 2013

STATE PROJECT NO: H.002320
FAP NO: H002320
NAME: SULLIVAN ROAD (WAX – HOOPER)
ROUTE: LA 3034
PARISH: EAST BATON ROUGE

TO: SOLICIATION OF VIEWS

SUBJECT: RE-SOLICITATION OF VIEWS

A Solicitation of Views letter and project description was sent out for the above-captioned project on January 7, 2013. The project, originally planned with state funds only, is now proposing to use state and federal funds; therefore we are resubmitting the Solicitation of Views letter along with the preliminary project description and map. 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 (LADOTD) with the early identification of possible adverse economic, social, or environmental effects or concerns. Your assistance in this regard will be appreciated.

It is requested that you review the attached information and furnish us with your views and comments by **December 7, 2013**. Replies should be addressed to LADOTD; Section 28; Environmental Engineer Administrator; P.O. Box 94245; Baton Rouge, Louisiana 70804-9245. Please reference the State Project Number in your reply.

If you have any questions or require additional information, please contact Stacie Palmer at (225) 242-4517.

Sincerely,

T. Gafell

for Noel Ardoin
Environmental Engineer Administrator

Attachments
NA/sp
cc: District Administrator
District Traffic Operations Engineer

PRELIMINARY PROJECT DESCRIPTION

STATE PROJECT NO: H.002320
FAP NO: H002320
SULLIVAN ROAD (WAX – HOOPER)
ROUTE LA 3034
EAST BATON ROUGE PARISH

The Louisiana Department of Transportation and Development (LADOTD) using federal funds, is proposing to widen LA 3034 (Sullivan Road) from Central Woods Avenue to just past Hooper Road in East Baton Rouge Parish. The proposed project begins on Sullivan Road just north of Wax Road (Lat. 30.543958, Long. -91.028835 DD) and proceeds northwest to the intersection of Hooper Road (Lat. 30.555376, Long. -91.037629 DD). The proposed project is located in Sections 5 & 68 of Township 06S Range 02E.

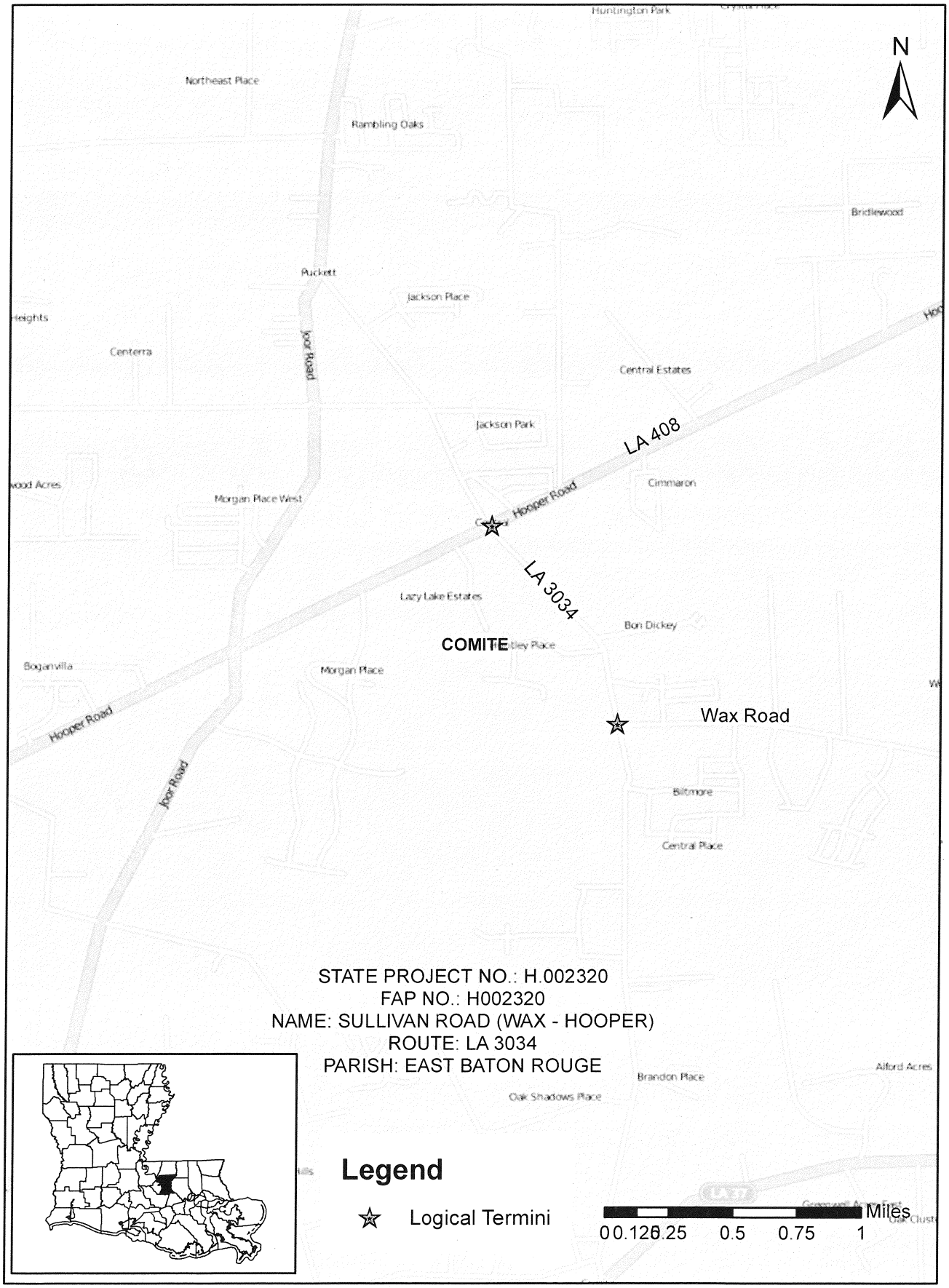
The preliminary purpose and need for the project is to reduce traffic congestion along Sullivan Road and improve safety.

LA 3034 (Sullivan Road) would remain open, and through and local traffic will be maintained at all times. Overall project length would be approximately 1.16 miles. Average Daily Traffic values for LA 3034 are 26,775 vehicles per day for 2012 and are projected to be 37,869 for 2032. LA 3034 is classified as an urban arterial collector (UA-2). Additional right-of-way would be required. Relocations are anticipated.

The existing roadway consists of two 10-foot wide lanes with shoulders, open ditches, and no median. The proposed widening project would be constructed to the east and west of the existing center line of the roadway. The new roadway would have a 106-foot clear roadway consisting of four 12-foot travel lanes; a 10-foot wide (maximum) raised median with J-turns; and a 24-foot clear zone consisting of 8-foot shoulders (including 6-foot sidewalks) and a 16-foot clear area on each side of the roadway. The new roadway would be constructed with concrete curbs, gutter drains, and a subsurface drainage system (gravity drainage collection system). Intersection improvements to LA 408 (Hooper Road) are also proposed to approximately 750 feet west of the Sullivan Road intersection, which includes widening to accommodate turn lanes. In addition to the subsurface drainage system, a gravity sanitary sewer and wastewater pump station, is planned. All sewer work is to be funded by the city.

The logical termini of the proposed project is LA 3034 (Sullivan Road) at Wax Road and LA 3034 (Sullivan Road) at LA 408 (Hooper Road). As part of the Environmental Assessment, LADOTD will include an environmental inventory of Sullivan Road from Joor Road to Hooper Road in order to identify any sensitive areas along this corridor. In addition, the Environmental Assessment will as include information on future City/Parish plans for the area including possible widening Sullivan Road from Hooper Road to Joor Road.

It is anticipated that this project would be environmentally processed as an Environmental Assessment.


N
Huntington Park
Northeast Place
Rambling Oaks
Bridlewood
Puckett
Jackson Place
Centerra
Joor Road
Central Estates
Jackson Park
LA 408
Hooper Road
Cimmaron
Morgan Place West
LA 3034
Lazy Lake Estates
Bon Dickey
COMITE
Boganvilla
Morgan Place
Wax Road
Hooper Road
Joor Road
Biltmore
Central Place
Brandon Place
Alford Acres
Oak Shadows Place
STATE PROJECT NO.: H.002320
FAP NO.: H002320
NAME: SULLIVAN ROAD (WAX - HOOPER)
ROUTE: LA 3034
PARISH: EAST BATON ROUGE
Legend
Logical Termini
Miles
0 0.125 0.25 0.5 0.75 1

US House of Representatives

U.S. House of Representatives (District 1)
Honorable Steve Scalise
110 Veterans Blvd, Ste. 500
Metairie, LA 70005

U.S. House of Representatives (District 2)
Honorable Richmond Cedric
2021 Lakeshore Dr. Suite 309
New Orleans, LA 70122

U.S. House of Representatives (District 3)
Honorable Charles Boustany, Jr., MD
800 Lafayette St., Ste. 1400
Lafayette, LA 70501

U.S. House of Representatives (District 4)
Honorable John Fleming, MD
6425 Youree Dr. Suite 350
Shreveport, LA 71105

U.S. House of Representatives (District 5)
Honorable Rodney Alexander
1900 Stubbs Ave, Ste. B
Monroe, LA 71201

U.S. House of Representatives (District 6)
Honorable Bill Cassidy, MD
5555 Hilton Ave Suite 100
Baton Rouge, LA 70808

US Senate

United States Senate
Senator David Vitter
2800 Veterans Memorial Blvd Suite 201
Metairie, LA 70002

United States Senate
Senator Mary Landrieu
Hale Boggs Federal Building
500 Poydras St. Rm. 1005
New Orleans, LA 70130

Dept of Agriculture and Forestry

Department of Agriculture and Forestry
Office of Soil/Water Conservation
P.O. Box 3554
Baton Rouge, LA 70821

Department of Agriculture and Forestry
Office of Forestry
P.O. Box 1628
Baton Rouge, LA 70821

Coalition to Restore Coastal LA

Coalition to Restore Coastal Louisiana
Steven Peyronnin, Executive Director
6160 Perkins Rd. Suite 225
Baton Rouge, LA 70808

Coast Guard

8th Coast Guard District
District Commander
Hale Boggs Federal Building
500 Poydras St.
New Orleans, LA 70130

Dept of Culture Recreation and Tourism

Department of Culture Recreation & Tourism
Division of Archaeology
P.O. Box 44247
Capitol Annex 3rd
Baton Rouge, LA 70804

Department of Culture Recreation & Tourism
Office of State Parks
P.O. Box 44426
Baton Rouge, LA 70804

Division of Administration

Division of Administration
State Land Office
P.O. Box 44124
Baton Rouge, LA 70804

Division of Administration
State Planning Office
P.O. Box 94095
Baton Rouge, LA 70804

Dept of Economic Development

Department of Economic Development
Office of Business Development
P.O. Box 94185
Baton Rouge, LA 70804

Environmental Protection Agency

Environmental Protection Agency
Source Water Protection (6WQ-S)
1445 Ross Ave
Dallas, TX 75202-2733

Environmental Protection Agency
Federal Activities BR (6E-F)
1445 Ross Ave
Dallas, TX 75202-2733

Dept of Environmental Quality

Would like emailed version
LA Department of Environmental Quality
Office of the Secretary
P.O. Box 4301
Baton Rouge, LA 70821

Federal Transit Administration

Federal Transit Administration Region 6
819 Taylor St. Rm. 8A36
Fort Worth, TX 76102

FEMA

FEMA Region VI
800 North Loop 288
Denton, TX 76209

LA Forestry

Louisiana Forestry Association
Executive Director
P.O. Box 5067
Alexandria, LA 71301

LA Good Roads

Louisiana Good Roads Association
P.O. Box 3713
Baton Rouge, LA 70821

Dept of Health and Hospitals

Department of Health and Hospitals
Tenney Sibley, Chief Sanitarian
628 N. 4th St.
Baton Rouge, LA 70802

Department of Health and Hospitals
Division of Environmental Health
ATTN: Steven Davis, P.E.
P.O. Box 4489
Baton Rouge, LA 70821

Indian Tribe Offices

Office of Indian Affairs
Director
P.O. Box 94095
Baton Rouge, LA 70804

Inter-Tribal Council of Louisiana, INC
Director
991 Grand Cailou Rd
Houma, LA 70363

Coushatta Tribe of Louisiana
P.O. Box 818
Elton, LA 70532

Jena Band of Choctaw Indians
P.O. Box 14
Jena, LA 71342

Mississippi Band of Choctaw Indians
101 Industrial Rd
Choctaw, MS 39350

Tunica-Biloxi Tribe of Louisiana
P.O. Box 1589
Marksville, LA 71351

Dept of Interior

U.S. Geological Survey
3535 S. Sherwood Forest Suite 120
Baton Rouge, LA 70806

U.S. National Park Service
Southeast Region
100 Alabama St., SW
1924 Building
Atlanta, GA 30303

LSU

Louisiana State University
Sea Grant Legal Advisory Service
James G Wilkins
227B Sea Grant Building
Baton Rouge, LA 70803

Natural Resources Service

Natural Resources Conservation Service
Kevin D. Norton
3737 Government St.
Alexandria, LA 71302

Dept of Public Safety

Department of Public Safety
Highway Safety Commission
P.O. Box 66336
Baton Rouge, LA 70896

Wildlife & Fisheries

Department of Wildlife & Fisheries
Louisiana Natural Heritage Program
P.O. Box 98000
Baton Rouge, LA 70898

Intradepartmental

Floodplain Management Program
Susan Veillon → District 64

Online SOV's

- **Department of Environmental Quality**
  Linda.hardy@la.gov
- **Seminole Nation of OK**
  harjo.n@sno-nsn.gov
- US Fish and Wildlife Service---
  www.fws.gov/lafayette

E B R Parish Mailing List
*****Updated 01/07/2013*****

The State Senate (District 6)
Senator Mack "Bodi" White
808 O'Neal Ln.
Baton Rouge, LA 70816

The State Senate (District 13)
Senator Dale Erdey
P.O. Box 908
Livingston, LA 70754

The State Senate (District 14)
Senator Yvonne Dorsey-Colomb
1520 Thomas H. Delpit Ste. 226
Baton Rouge, LA 70802

The State Senate (District 15)
Senator Sharon Weston Broome
P.O. Box 52783
Baton Rouge, LA 70892-2783

The State Senate (District 16)
Senator Dan Claitor
7520 Perkins Rd, Suite 160
Baton Rouge, LA 70808

The State Senate (District 17)
Senator Rick Ward
P.O. Box 94183
Baton Rouge, LA 70804

LA House of Representatives (District 29)
Representative Regina Ashford Barrow
4811 Harding Blvd.
Baton Rouge, LA 70811

LA House of Representatives (District 61)
Honorable Alfred C Williams
701 S. Acadian Thwy
Baton Rouge, LA 70806

LA House of Representatives (District 62)
Representative Kenneth E Havard
P.O. Box 217
Jackson, LA 70748

LA House of Representatives (District 63)
Representative Dalton Honre
8776 Scenic Highway
Baton Rouge, LA 70807

LA House of Representatives (District 64)
Representative Valarie Hodges
35055 La Hwy 16, Suite 2a
Denham Springs, LA 70706

LA House of Representatives (District 65)
Representative Clifton "Clif" R. Richardson
P.O. Box 78280
Baton Rouge, LA 70837

LA House of Representatives (District 66)
Representative Hunter Greene
8708 Jefferson Hwy., Ste. B
Baton Rouge, LA 70809

LA House of Representatives (District 67)
Representative Patricia Haynes Smith
251 Florida St. Ste. 300
Baton Rouge, LA 70801

LA House of Representatives (District 68)
Representative Stephen F. Carter
3115 Old Forge
Baton Rouge, LA 70808

LA House of Representatives (District 69)
Representative Erich Edward Ponti
7341 Jefferson Hwy, Suite J
Baton Rouge, LA 70806

LA House of Representatives (District 70)
Representative Franklin J. Foil
320 Somerulos St.
Baton Rouge, LA 70802

LA House of Representatives (District 101)
Representative Edward C. "Ted" James II
3552 Monterrey Blvd.
Baton Rouge, LA 70814

Mayor
City of Baton Rouge
P.O. Box 1471
Baton Rouge, LA 70821

Chamber Of Commerce
Baton Rouge Area
564 Laurel Street
Baton Rouge, LA 70801

East Baton Rouge Parish School Board
P.O. Box 2950
Baton Rouge, LA 70821

Baton Rouge Police Dept.
P.O. Box 2406
Baton Rouge, LA 70821

EBR City Planning Commission
Planning Director
P.O. Box 1471
Baton Rouge, LA 70821

Capital Area Groundwater
Conservation Commission
3535 S. Sherwood Forest Blvd. #137
Baton Rouge, LA 70816

Greater Baton Rouge Port Comm.
P.O. Box 380
Port Allen, LA 70767-0380

Capital Region Planning Comm
333 N. 19th St.
P.O. Box 3355
Baton Rouge, LA 70821

Greater Gonzales Chamber of Commerce
P.O. Box 1204
Gonzales, LA 70707-1204

Capital Soil & Water Conservation Dist. Of LA
2191A Tower Street
Denham Springs, LA 70726

Louisiana State Police
Troop A
17801 Highland Road
Baton Rouge, LA 70810

Dept. of Emergency Management
Emergency Operations Center
P.O. Box 1471
Baton Rouge, LA 70821

E. B. R. Parish Sheriff
P.O. Box 2406
Baton Rouge, LA 70821

St. Francisville Planning Commission
P.O. Box 400
St. Francisville, LA 70775

EBR Metro Parish Council
P.O. Box 1471
Baton Rouge, LA 70821

Ms. Karen Oberlies
Dept Of The Army – Tech Support
P.O. Box 60267
New Orleans, LA 70538

Executive Director
Capitol Transportation Corp.
2250 Florida Boulevard
Baton Rouge, LA 70802

Amite River Basin Commission
3535 South Sherwood Forest Blvd, Ste. 135
Baton Rouge, LA 70816

EBR Parish City Government
P.O. Box 1471
Baton Rouge, LA 70821

Baton Rouge Bicycle Club
P.O. Box 253
Baton Rouge, LA 70821

Baton Rouge Green Association
448 N 11th Street
Baton Rouge, LA 70802-4607

Chitimacha Tribe
155 Chitimacha Loop Road
Charenton, LA 70523

Alabama Coushatta Tribe of TX
575 State Park Rd. 56
Livingston, TX 77351

Choctaw Nation of Oklahoma
Ian Thompson Phd, Rpa
P.O. Box 1210
Durant, OK 74702-1210

Seminole Nation of Oklahoma
Historic Preservation Officer
P.O. Box 1498
Wewoka, OK 74884

Seminole Tribe of Florida
THPO
30290 Josie Billie Hwy PMB 1004
Clewiston, FL 33440

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	November 5, 2013
Invoice Number	13111501
Project	State Project No. H.002320 Sullivan Road (Wax-Cooper)
Name	Noel Ardoin
Company	LA DOTD
Street Address	P.O. Box 94245
City, State, Zip	Baton Rouge, La 70804-9245
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.

BOBBY JINDAL
GOVERNOR

State of Louisiana
DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY
JIMMY L. ANTHONY
ASSISTANT SECRETARY

Date	November 5, 2013
Name	Noel Ardoin
Company	LA DOTD
Street Address	P.O. Box 94245
City, State, Zip	Baton Rouge, La 70804-9245
Project	State Project No. H.002320 Sullivan Road (Wax-Cooper)
Project ID	4072013
Invoice Number	13111501

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

MACK "BODI" WHITE
STATE SENATOR
DISTRICT 6
808 O'Neal Lane
Baton Rouge, LA 70816
(225) 272-1324
(855) 532-9796
Fax: (225) 272-1382
whitem@legis.la.gov

SENATE
STATE OF LOUISIANA

COMMITTEES
Commerce
Education
Finance
Judiciary C

November 13, 2013

LADOTD:Section 28
P.O. Box 94245
Baton Rouge, LA 70804

Project No: H.002320

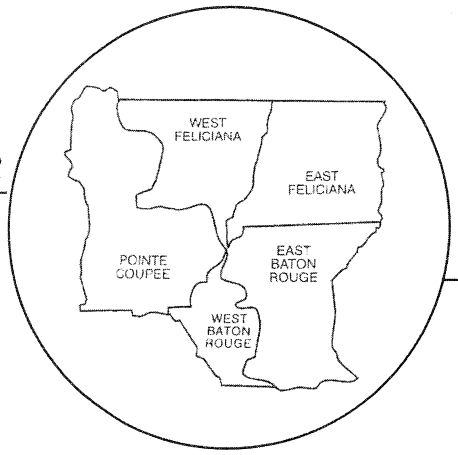
The above mentioned project is a 1.16 mile stretch of LA 3034 in my Senatorial District 6. Currently most work days in rush hour traffic this stretch of Sullivan Road is congested and moving slow. This project will improve the citizens quality of life and improve safety. Any sewer concerns will be offset with sewer collection from homes and businesses in the affected area being routed to City sewer lines instead of open ditch which is currently the standard.

As a Legislator for the area effected, I must represent my constituents who elected me. The general opinion from the residents I have talked with is this project will greatly improve traffic flow on Sullivan Road(LA 3034) and greatly enhance travel time in the area. This project has my full support. Thank you for your time and consideration. Don't hesitate to contact me with any questions.

Sincerely,

Mack "Bodi" White
State Senator, District 6

CAPITAL AREA GROUND WATER
CONSERVATION DISTRICT
ANTHONY J. DUPLECHIN
DIRECTOR
3535 S. Sherwood Forest Blvd., Suite 137
Baton Rouge, Louisiana 70816-2255
Telephone (225) 293-7370



November 14, 2013

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

Re: State Project No. H.002320
Federal Aid Project No. H002320
Name: Sullivan Road (Wax-Hooper)
Route: LA3034
Parish: East Baton Rouge

Dear Sir:

Concerning the referenced project, please be aware that there are several monitor wells located at a gas station on the southwest corner of the intersection of Sullivan Road and Joor.

Sincerely,

Anthony J. Duplechin
Director

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Office of Public Works and Water Resources
PO Box 94245 | Baton Rouge, LA 70804-9245
ph: 225-379-3005 | fx: 225-379-3002

Bobby Jindal, Governor
Sherri H. LeBas, P.E., Secretary

November 18, 2013

STATE PROJECT NO.: H.002320
F.A.P.: H.002320
NAME: SULLIVAN ROAD (WAX-HOOPER)
ROUTE: LA 3034
PARISH: EAST BATON ROUGE

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

Subject: Solicitation of Views

Dear Ms. Ardoin:

Enclosed is a copy of the Flood Insurance Rate Map (FIRM) for East Baton Rouge Parish, which includes the City of Central, indicating the proposed project.

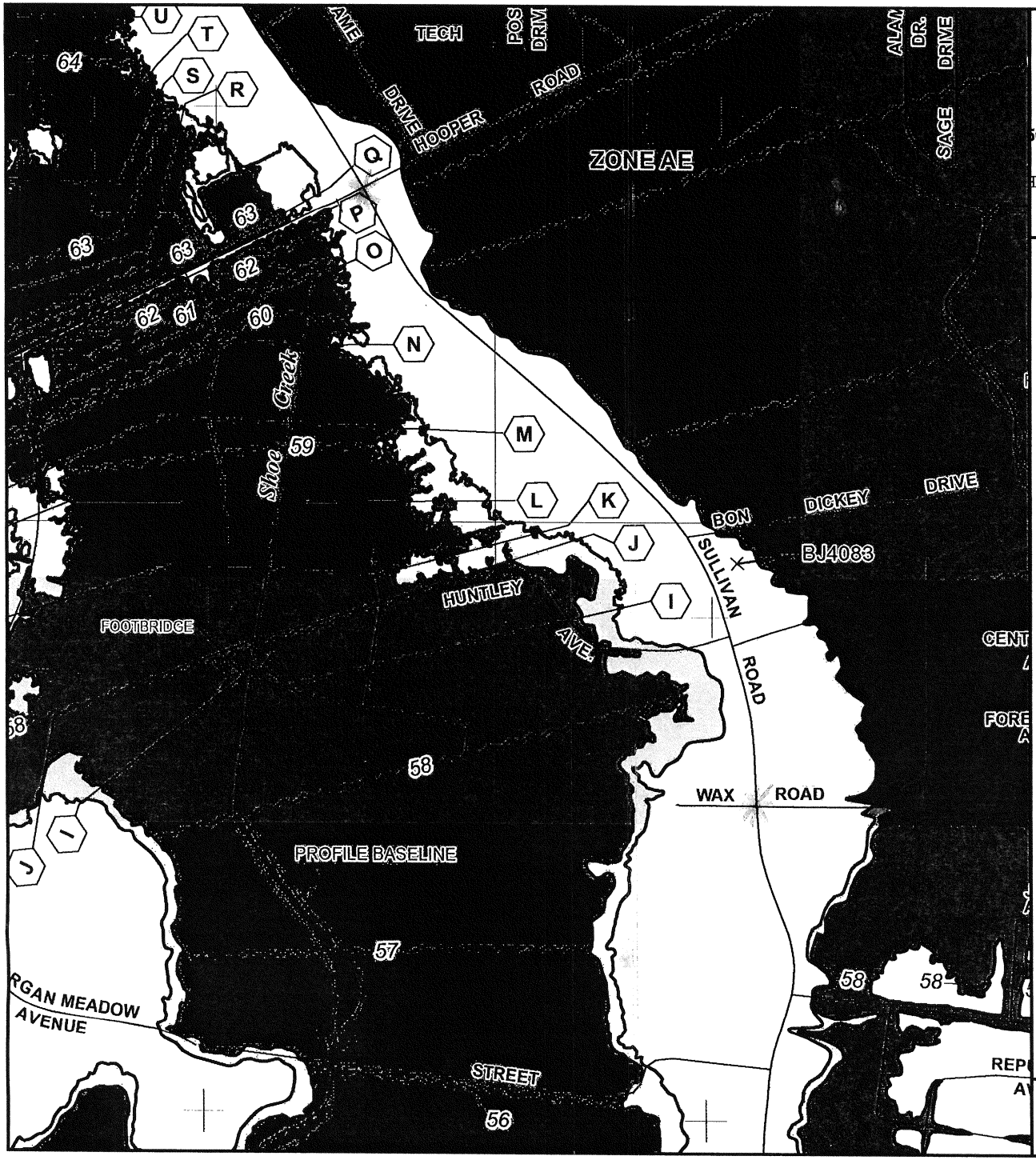
During and after the project, consideration must be given for the occurrence of a base flood inundation. At this time, consideration should also be given to the responsibility for clearing debris and keeping the area cleared so as not to interfere with its function.

In order to assure compliance with the City of Central for the National Flood Insurance Program (NFIP), and so that appropriate permits are obtained, please contact the following floodplain administrator: Mr. Dan Leone, 6703 Sullivan Road, Central, LA 70739 and telephone no. 225-262-5000.

We thank you for the opportunity to comment on this project. If you need additional information, please contact our office, (225) 379-3005.

Program Coordinator

pc: Mr. Dan Leone



MAP SCALE 1" = 1000'

500 0 1000 2000

FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0195F

FIRM

FLOOD INSURANCE RATE MAP

EAST BATON ROUGE PARISH, LOUISIANA

AND INCORPORATED AREAS

PANEL 195 OF 360

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CENTRAL, CITY OF	220060	0195	F
EAST BATON ROUGE PARISH	220058	0195	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
22033C0195F

MAP REVISED
JUNE 19, 2012

Federal Emergency Management Agency

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
3737 Government Street
Alexandria, LA 71302

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

November 18, 2013

LADOTD
Section 28
Environmental Engineer Administrator
P.O. Box 94245
Baton Rouge, Louisiana 70804-9245

RE: State Project No. H.002320 – East Baton Rouge Parish – Sullivan Road SOV

Dear Mr. Ardoin:

I have reviewed the above referenced project for potential requirements of the Farmland Protection Policy Act (FPPA) and potential impact to Natural Resources 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 and narrative submitted with your request indicates that the proposed construction areas are within urban areas and therefore are 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,

Sheila Ryland

Sarah Haymaker acting for
State Conservationist

Senate
State of Louisana

Dale Erdey
State Senator
District No. 13

P. O. Box 908
Livingston, LA 70754
Phone: (225) 686-2881
Fax: (225) 686-7353

Committees:
Revenue & Fiscal Affairs, Vice Chairman
Environmental Quality
Health & Welfare
Transportation, Highways, & Public Works
Select Committee on Vocational & Technical Education, Vice Chairman
Joint Legislative Committee on Capital Outlay

November 15, 2013

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

Re: Solicitation of Views
State Project No: H002320
Sullivan Road (Wax - Hooper)

Dear Mr. Ardoin,

As state Senator representing the City of Central community since 2008, I have seen the tremendous growth and economic development opportunities abound for Central. The LA 3034 (Sullivan Road) corridor is in the heart of Central's economic development, which has created growing pains on the area's highway infrastructure. Sullivan road and the potential growth for the area is very optimistic.

I fully support the need for widening Sullivan Road between Wax Road and Hooper Road to mitigate the traffic congestion in this area of Central. Given the aforemention reasons for expanding Sullivan Road, this project is worthy of all considerations for completion.

Sincerely,

Dale Erdey
State Senator, District 13

LOUISIANA DEPARTMENT OF AGRICULTURE & FORESTRY
MIKE STRAIN DVM
COMMISSIONER

Nov. 16, 2013

Agricultural & Environmental Sciences
P.O. Box 3596
Baton Rouge,
LA 70821
(225) 925-3770
Fax: 925-3760

Agro-Consumer Services
P.O. Box 3098
Baton Rouge,
LA 70821
(225) 922-1341
Fax: 923-4877

Animal Health & Food Safety
P.O. Box 1951
Baton Rouge,
LA 70821
(225) 925-3962
Fax: 925-4103

Forestry
P.O. Box 1628
Baton Rouge,
LA 70821
(225) 925-4500
Fax: 922-1356

Management & Finance
P.O. Box 3481
Baton Rouge,
LA 70821
(225) 922-1255
Fax: 925-6012

Soil & Water Conservation
P.O. Box 3554
Baton Rouge,
LA 70821
(225) 922-1269
Fax: 922-2577

LADOTD; Section 28
Environmental Engineer Administrator
P.O. Box 94245
Baton Rouge, LA 70804-9245

RE: Solicitation of Views
State Project No. : H.002320
FAP No: H002320
Name: Sullivan Road (Wax – Hooper)
RouteL LA 3034
Parish: East Baton Rouge

To Whom it May Concern:

This office has no comment or objection to this project.

Sincerely,

Bradley E. Spicer
Assistant Commissioner
Louisiana Depart of Ag & Forestry
Office of Soil & Water Conservation

BES:ah

Jena Band of Choctaw Indians

P. O. Box 14 • Jena, Louisiana 71342-0014 • Phone: 318-992-2717 • Fax: 318-992-8244

November 21, 2013

DOTD
Environmental Section
P. O. Box 94245
Baton Rouge, Louisiana 70804

RE: State Project Number H.002320
Sullivan Road (Wax-Hooper)
LA 3034 East Baton Rouge Parish

Dear Sir or Madam:

Please provide our office with information concerning cultural resources located near the project area or a cultural resource report on this area.

Should you have any questions, please contact Mrs. Dana Masters, THPO Officer/Cultural Director, at 318-992-1205 or danamasters@aol.com.

Sincerely

Dana Masters
THPO/ Cultural Director
Council Member

BISON CONNECT

LADOTD project H.002320 - online submittal error

1 message

Stacie Palmer <Stacie.Palmer@la.gov> Thu, Nov 14, 2013 at 11:06 AM
To: "amy_trahan@fws.gov" <amy_trahan@fws.gov>

Amy, per our phone conversation here is the generated document for your review and stamp.

Thank you,

Stacie

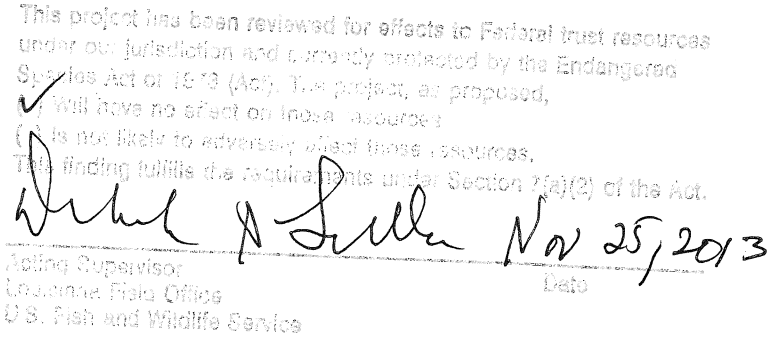
Stacie Palmer

Environmental Impact Specialist DCL

Department of Transportation and Development

Phone 225-242-4517

SOV H.002320.pdf
162K



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

November 25, 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 November 7, 2013, letter requesting our evaluation of the potential environmental impacts which might result from changes to a previously approved project:

Widen Road
Sullivan Road from Wax Road to Hooper Road
STP No. H.002320
FAP No. H002320
East Baton Rouge Parish, Louisiana

The project, proposed for financial assistance through the Louisiana Department of Transportation and Development funds, is located on the Southern Hills 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, project description, project location or the federal funding agency, 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,

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

cc: Jesse Means, LDEQ

Appendix **E**

106 Coordination

JAY DARDENNE
LIEUTENANT GOVERNOR

State of Louisiana

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

CHARLES R. DAVIS
DEPUTY SECRETARY

PAM BREAUX
ASSISTANT SECRETARY

March 10, 2015

Noel Ardoin
Environmental Engineer Administrator
LA DOTD Environmental Section
PO Box 94245
Baton Rouge, LA 70804-9245

Re: Draft Report
LA Division of Archaeology Report No. 22-4896
Phase I Cultural Resources Survey of Sullivan Road (Wax Road – Hooper Road), East Baton Rouge Parish, Louisiana (State Project No. H. 002320, F.A. P No. H002320)

Dear Mr. Ardoin:

We acknowledge receipt of your letter dated 9 March 2015 and two copies of the above-referenced report. We have completed our review of this report and have the following comments.

- The survey dates contained in your transmittal letter are different from the ones mentioned in your report. Should it be 2013 or 2014?
- There is an asterisk in your Figure 4, but no explanation.

We concur that standing structures 17-01761 (Old Central Middle School Gymnasium) and 17-01762 (Old Central Middle School Main Buildings) are both eligible for inclusion on the National Register of Historic Places. We concur that no historic properties will be impacted by this project. Our office has no further concerns for this project.

We look forward to receiving two bound copies of the final report, along with a pdf of the report. If you have any questions, please contact Paul French in the Division of Archaeology by email at pfrench@crt.la.gov or by phone at 225-342-8166.

Sincerely,

Pam Breaux

Pam Breaux
State Historic Preservation Officer
PB:phf

Appendix **F**

Letter from City of Central Regarding Bike Paths

FHWA Correspondence

13421 Hooper Rd., Ste 9
Central, LA 70818-2900
225-261-5255 (office)
225-261-0811 (fax)
www.centralgov.com

Office of the Mayor

David Barrow
Chief Administrative Officer
(225) 261-5255

Mr. Trey Jesclard
Assistant Road Design Administrator
Louisiana Department of Transportation and Development
P.O. Box 94245
Baton Rouge, LA 70804

Re : H.002320 Sullivan Rd

Dear Mr. Jesclard :

At the first Environmental Assessment public meeting regarding project H.002320 (Sullivan Rd – Wax to Hooper), I inquired on behalf of the city of Central on the feasibility of adding bicycle lanes to this project to comply with our Master Street Plan. However, since that time, the city of Central has been working with BREC to develop off-road bicycle trails and paths through the community.

One such off-road bicycle path would connect near the Hooper/Sullivan intersection and travel south towards Wax Rd to near Central High School and nearby BREC parks. As a result, we feel this new proposed off-road path would provide a more scenic and safer path than a bicycle lane along the heavily traveled Sullivan Rd and would serve the needs of the community greater.

Therefore, I would like to officially withdraw my previous request of consideration of bicycle lanes along this proposed project route on Sullivan Rd. If you have any questions, please feel free to give me a call.

Yours truly,

David Barrow

David Barrow
Chief Administrative Officer

Appendix **G**

FHWA Correspondence

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Office of Engineering
Project Development Division
Section 24 Road Design
PO Box 94245 | Baton Rouge, LA 70804-9245
Phone: 225-379-1445

Bobby Jindal, Governor
Sherri H. LeBas, P.E., Secretary

April 29, 2013

Mr. Charles "Wes" Bolinger
Division Administrator
Federal Highway Administration
Louisiana Division
5304 Flanders Drive, Suite A
Baton Rouge, LA 70808

Attn: Mr. Carl Highsmith

Re: H.002320 Sullivan Rd (Wax –Hooper)
LA 3034- East Baton Rouge Parish

Dear Mr. Bolinger,

On Thursday, April 25, 2013, DOTD hosted a meeting with Mr. Robert Mahoney and Mr. James Hall from your office to discuss the Sullivan Rd (Wax – Hooper) project. In attendance from DOTD were Mr. Kevin Szatmary, Ms. Kia White (both from Real Estate Section), Ms. Jan Grenfell, Ms. Cyndi Bowman, Mr. Shawn Luke (all from Environmental Section) and myself the project manager for this project.

The project was initially planned to be a state funded only project which will widen Sullivan Road from 2 lanes to 4 lanes. Ultimately, it will be a continuation of East Baton Rouge's Central Throughway project as well as their Sullivan Road project. Both of these projects are currently under construction, and I have attached a map showing the general vicinity of the area.

In February of this year, I realized that federal funds would be required to complete the construction of the project due to current state budget constraints. This is after I had set up state only budget to begin the right of way process. At that time I questioned Mr. Szatmary about the potential to employ an Everyday Counts Initiative, Flexibilities in Right of Way, which may allow DOTD to continue the acquisition process with state only funds simultaneously with going through the NEPA process. Mr. Szatmary discussed the possibility with Mr. Hall and it was DOTD's impression that as long as state funds were used and the NEPA process was not biased by any acquired right of way, then the right of way process and the environmental process could occur concurrently.

As DOTD was about to engage FHWA in the NEPA process, I requested that a meeting between the Environmental group and the Real Estate group be set up to communicate and verify DOTD's impression that our proposal would be acceptable to FHWA. During the meeting, Mr. Hall reiterated that he thought that it would be acceptable with FHWA to let the real estate and environmental processes occur concurrently as long as DOTD used state funds for right of way. On the other hand, Mr. Mahoney was less sure that the processes could run concurrently.

Due to the facts that:

DOTD has the state funds to purchase the right of way,

DOTD is willing to commit that the NEPA process will not be biased because of purchased right of way,

DOTD would be willing to only purchase property amicably until the NEPA process is completed,

And scheduling factors due to the near completion of East Baton Rouge's Central Throughway and Sullivan Road projects,

I am requesting your approval to allow the Right of Way and NEPA processes to occur concurrently without jeopardizing the use of federal funds for the construction phase of the project.

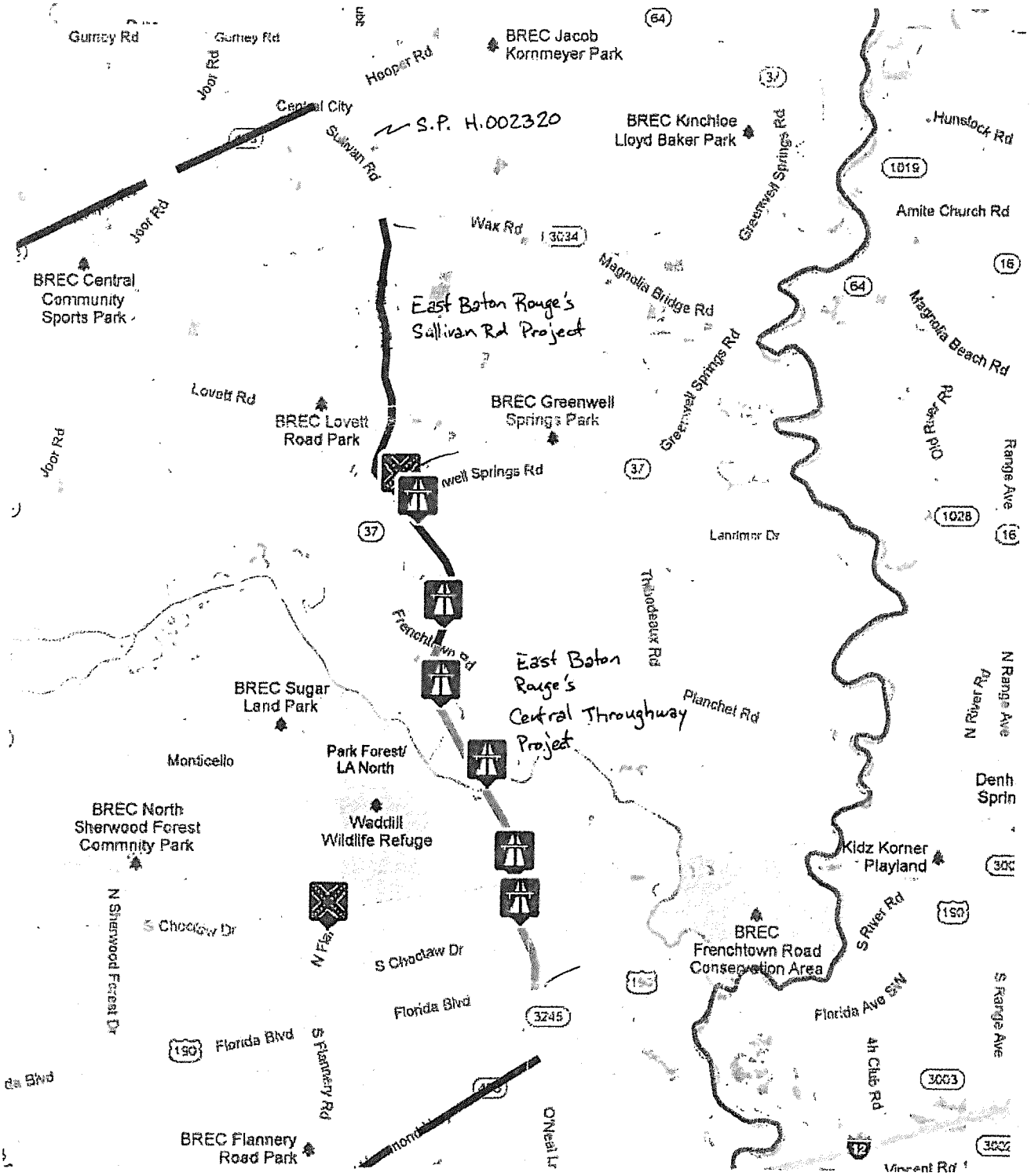
Please contact me if you have any questions or require additional information.

Sincerely,

Chad Winchester, P.E.
Road Design Engineer Administrator

Charles "Trey" Jesclard, P.E.
Asst. Road Design Engr. Admin.

Attachment
cc: Mr. Robert Mahoney
Mr. James Hall
Mr. Kevin Szatmary
Ms. Cyndi Bowman



Google

Map data ©2013 Google

U.S. Department of Transportation
Federal Highway Administration

FHWA Louisiana Division Office

5304 Flanders Drive, Suite A
Baton Rouge, Louisiana 70808
(225) 757-7600
(225) 757-7601 Fax

June 5, 2013

In Reply Refer To:
HDA-LA

Sherri H. LeBas, P.E.
Secretary
Louisiana Department of Transportation
and Development
Baton Rouge, LA

Subject: H.002320 Sullivan Road (Wax-Hooper)
LA 3034 – East Baton Rouge Parish

Attention: Charles "Trey" Jesclard, P.E.

Dear Ms. LaBas:

We received your April 29, 2013, letter regarding Project H.002320. We are approving your request to allow the Right of Way and NEPA processes to occur concurrently without jeopardizing the use of federal funds for the construction phase of the project.

This approval is allowed under MAP 21, section 1302 (d) 3 (A) and (B) with the following stipulations:

`(3) STATE CERTIFICATION- A State requesting Federal funding for an acquisition of a real property interest shall certify in writing, with concurrence by the Secretary, that--

` (A) the State has authority to acquire the real property interest under State law; and

` (B) the acquisition of the real property interest--

`(i) is for a transportation purpose;

` (ii) will not cause any significant adverse environmental impact;

` (iii) will not limit the choice of reasonable alternatives for the project or otherwise influence the decision of the Secretary on any approval required for the project;

` (iv) does not prevent the lead agency from making an impartial decision as to whether to accept an alternative that is being considered in the environmental review process;

` (v) is consistent with the State transportation planning process under section 135;

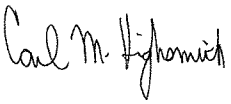
` (vi) complies with other applicable Federal laws (including regulations);

`(vii) will be acquired through negotiation, without the threat of condemnation; and

`(viii) will not result in a reduction or elimination of benefits or assistance to a displaced person required by the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. 4601 et seq.) and title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.).

If you need any additional information, please contact James R. Hall, Real Officer at 225 757-7625.

Sincerely yours,



Digitally signed by Carl Highsmith
DN: cn=Carl Highsmith, o, ou, email=carl.highsmith@dot.gov, c=US
Date: 2013.06.07 14:08:54 -05'00'

Carl M. Highsmith
Project Delivery Team Leader

cc: Mr. Chad Winchester, LDOTD
Mr. Hubert Graves, LDOTD