



100 Year Hurricane Protection Projects

West Bank and Vicinity

Lake Pontchartrain and Vicinity

April 4, 2007 - 7:00 – 9:00 pm
St. Bernard Parish Government
8201 W. Judge Perez Rd.
Chalmette, Louisiana

Environmental Compliance

37 Environmental Laws that must be considered.

National Historic Preservation Act

Endangered Species Act

Clean Water Act

National Environmental Policy Act

“NEPA”

National Environmental Policy Act of 1969 “NEPA”

- Required that an environmental analysis be prepared for major federal actions.
- Analysis looks at potential impacts to the human environment.
- Coordination with Federal and State Resource Agencies, Environmental Groups and the Public.

Typical Analysis

- Purpose & Need for the Project
- Alternatives (including No-Action, Non-Structural Alternatives)
- Natural Environment
 - Fish & Wildlife, Wetlands, Water Quality, Hydrology, Endangered Species, Direct, and Cumulative Impacts
- Man-made Environment
 - Socio-Economic, Cultural, Recreation, Air Quality, and Hazardous Materials
- Mitigation

NEPA Scoping Process

“There shall be an early and open process for determining the scope of issues to be addressed and for identifying the significant issues related to the proposed action.”



Scoping Process

- Public meetings and written comment period.
- Opportunity for public and other interested parties to express concerns and suggest alternatives to be considered by Corps.

Scoping Questions



Question #1: What are the most important issues, resources, and impacts that we should consider in the IER?

Examples:

- hurricane and flood protection
- protection of the environment (ie: wetlands, water quality, threatened and endangered species)
- protection of lives, homes, businesses, other properties
- protection of infrastructure (ie: roads, communications)

Scoping Questions



Question #2: Are there any other alternatives or modifications to existing alternatives that we should consider in the IER?

Examples:

- Other alternatives that provide hurricane protection
- Non Structural alternatives (raise roads, homes, etc)

Scoping Report

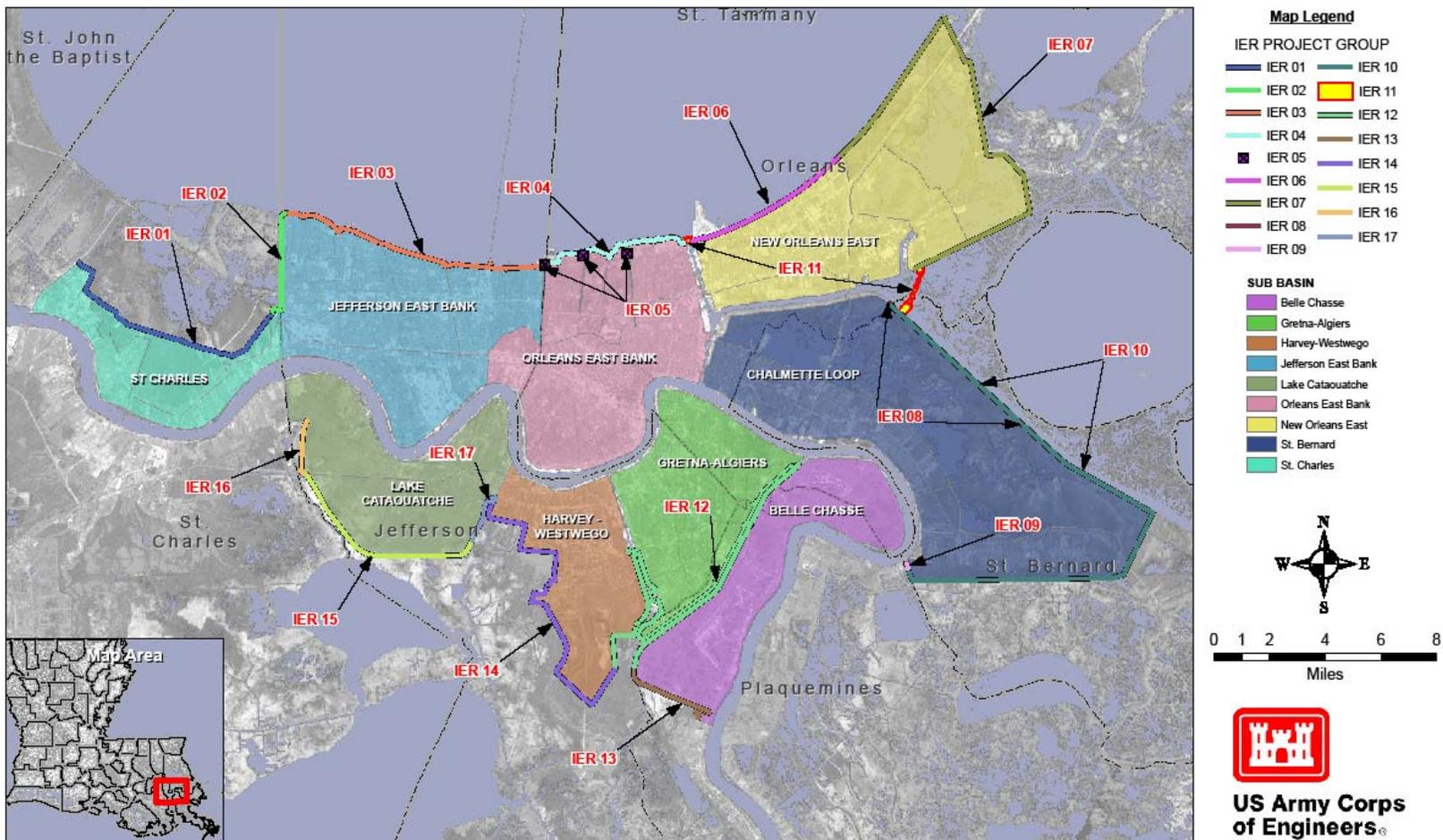
A Scoping Report will be written that summarizes the significant issues, alternatives and concerns of the public.

Monthly Meetings

Monthly public meetings will be held during the duration of the project. First meetings will start in May 2007.

Project Study Area

Sub Basins and Representative Project Groups



*St. Bernard Parish
Hurricane Protection
System*

St. Bernard Parish HPS Completed Repairs



St. Bernard Parish HPS

On-going Repairs



- Entire levee will be at 20'
- Levee being fertilized and Seeded

St. Bernard Parish Hurricane Protection System Chalmette Loop Levee

LPV 144.01

LPV 145

LPV 144.02

LPV 146

LPV 149

LPV 148

LPV 147

Lake Pontchartrain and Vicinity (LPV) Summary

- LPV 144.01 – Bayou Bienvenue Flood Gate
- LPV 144.02 – Bayou Dupre Flood Gate
- LPV 145 – Bayou Bienvenue to Bayou Dupre Levee
- LPV 146 – Bayou Dupre to Hwy 46 Levee
- LPV 147 – Hwy 46 Crossing and Bayou Road Flood Gate
- LPV 148 – Verret to Caernarvon Levee
- LPV 149 – Caernarvon Floodwall



St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 144
**Bayou Bienvenue and
Bayou Dupre Flood Gates**

LPV 144.01

LPV 144.02

ORLEANS

ST BERNARD

- Alternatives being considered, include:
- 1) Modify gates in place
 - 2) Construct new gates in vicinity of existing gates



St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 145 & 146
Bayou Bienvenue to
Hwy 46 Levee

LPV 145

LPV 146

Alternatives being considered, include:

1) Earthen levee

ORLEANS

ST BERNARD

PLAQUEMINES



St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 147
**Hwy 46 Crossing and
Bayou Road Floodgate**

Alternatives being considered, include:

- 1) Ramp over Hwy 46 and a new Flood gate at Bayou Road
- 2) Ramp over Hwy 46, remove flood gate at Bayou Road and provide access via Hwy 46

LPV 147

Alternative (1):

1) Ramp over Hwy 46 and replace flood gate at Bayou Road

**St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 147
Hwy 46 Crossing and
Bayou Road Floodgate**



Alternative (2):

2) Ramp over Hwy 46, remove flood gate at Bayou Road and provide access via Hwy 46

St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 147
Hwy 46 Crossing and
Bayou Road Floodgate



St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 148.01 & LPV 148.02
Verret to Caernarvon Levee

ORLEANS

ST BERNARD

PLAQUEMINES

Alternatives being considered, include:

1) Earthen levee

LPV 148



St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 149
Caernarvon Floodwall

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ST BERNARD

Alternatives being considered, include:

- 1) Replace I-wall with T-wall in existing ROW
- 2) Levee Realignment:
 - 2.1 - West of existing alignment
 - 2.2 - East of existing alignment

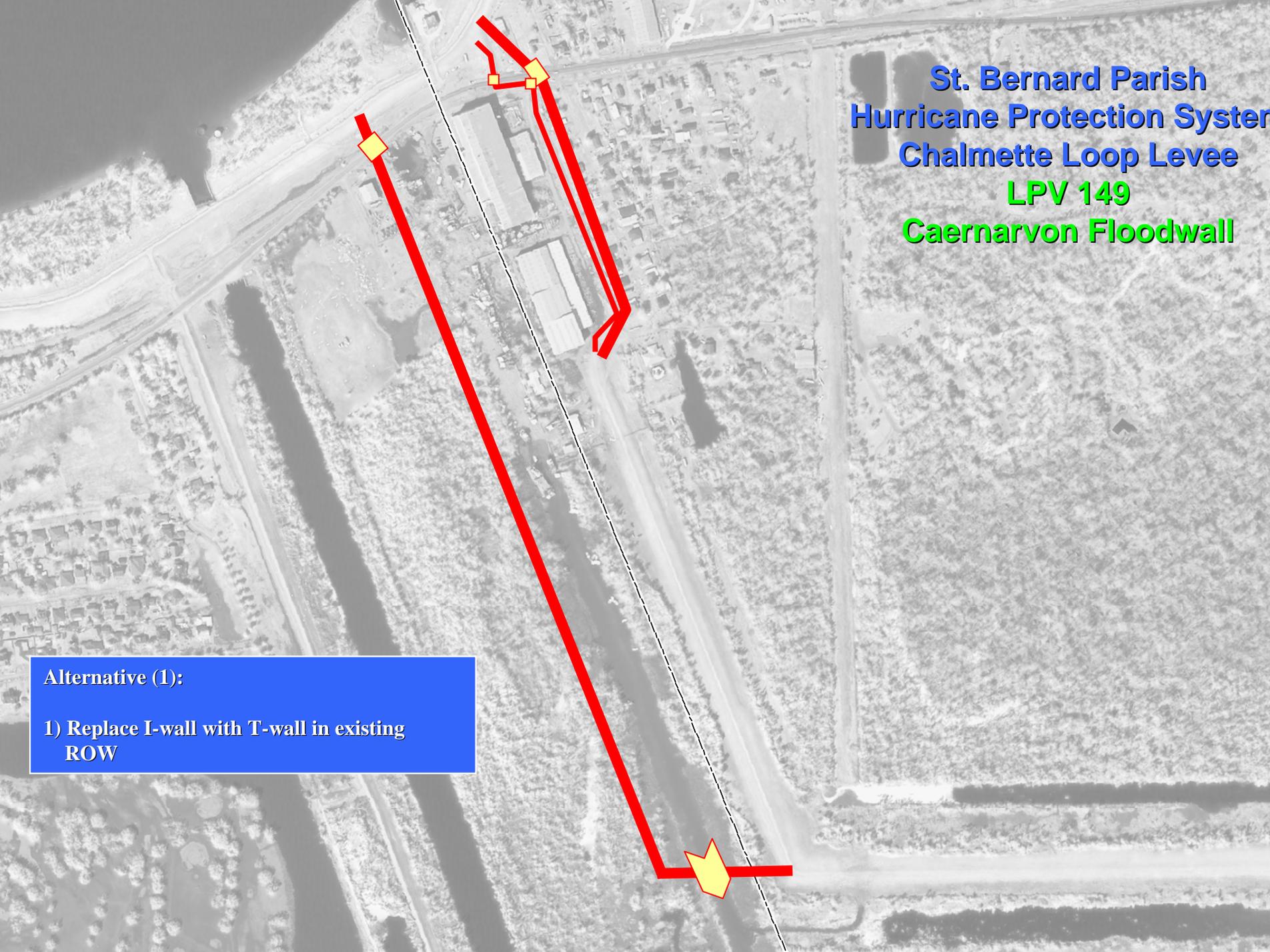
LPV 149



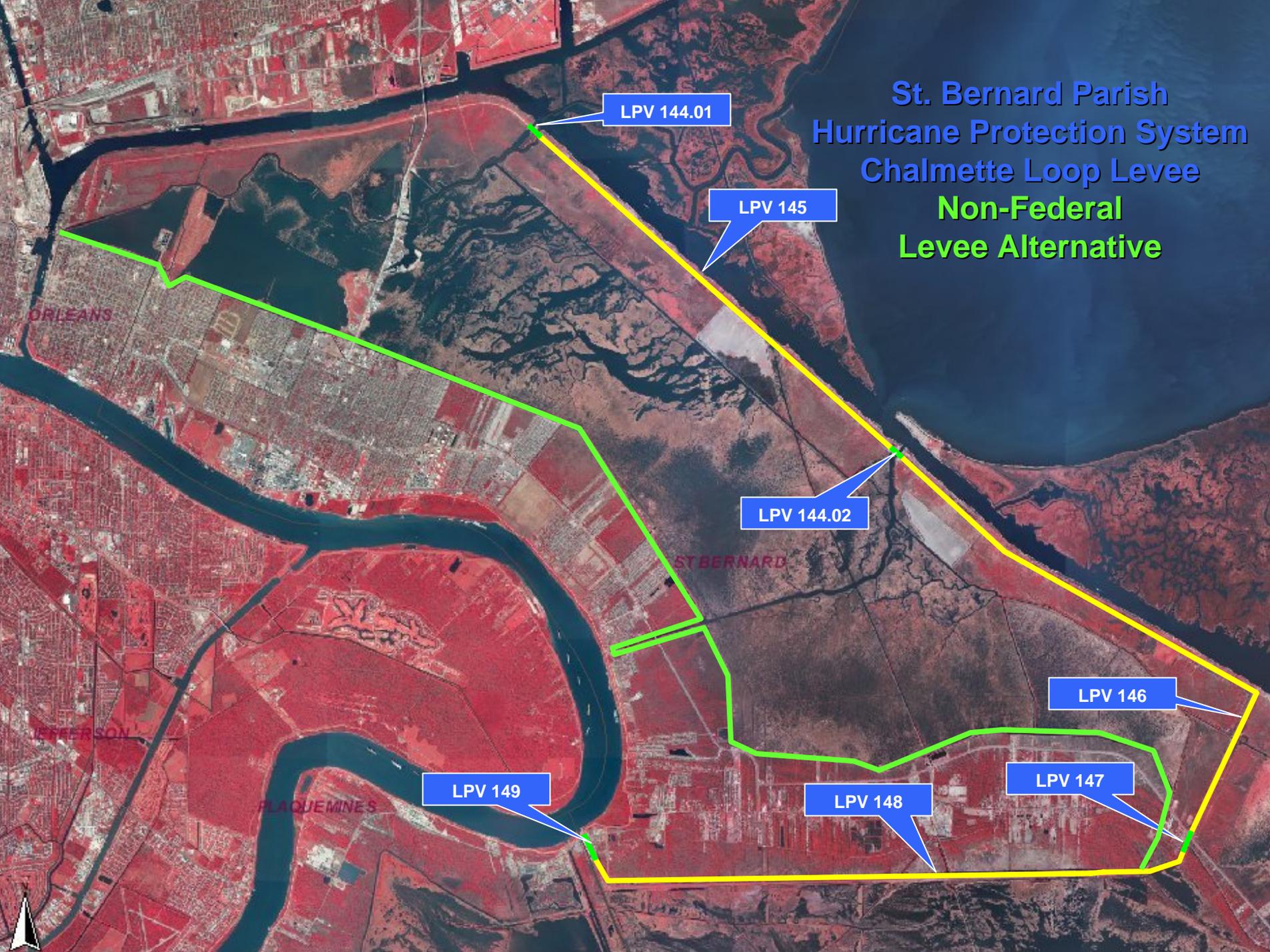
**St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
LPV 149
Caernarvon Floodwall**

Alternative (1):

- 1) Replace I-wall with T-wall in existing ROW**



St. Bernard Parish
Hurricane Protection System
Chalmette Loop Levee
**Non-Federal
Levee Alternative**



LPV 144.01

LPV 145

LPV 144.02

LPV 146

LPV 149

LPV 148

LPV 147

ORLEANS

ST BERNARD

JEFFERSON

PLAQUEMINES



IHNC Alternative Concepts



US Army Corps
of Engineers

Hurricane Protection Office



*These renderings are preliminary and represent alternative concepts only. They do not represent the final design or placement of the proposed gates and or canals. Therefore, no one should place any reliance on, or make any decisions based upon, these preliminary renderings.

Questions regarding these proposed actions should be addressed to:

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