

Permanent Canal Closures & Pumps

Public Meeting –
Project Overview

November 20, 2009



US Army Corps of Engineers
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Tonight's Handouts

The packet of handouts contains the following:

- Steps in the Design-Build Process
Project Schedule (on the back side)
- Section 1010 Statement of Work
Table of Contents
- List of Acronyms
- Opportunities for Public Input

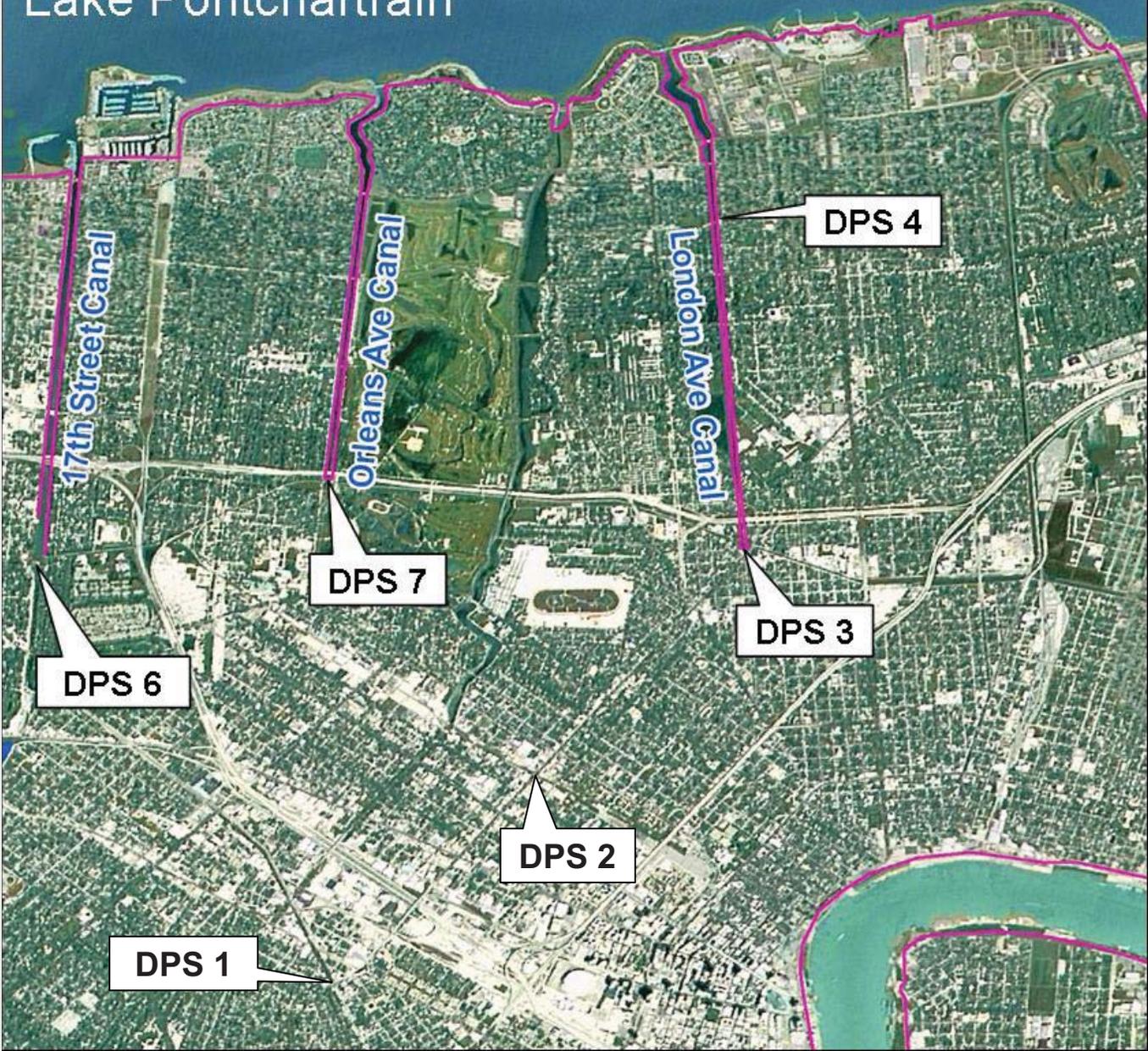


Daniel Bradley

Army Corps of Engineers
Permanent Canal Closures and Pumps
Branch Chief



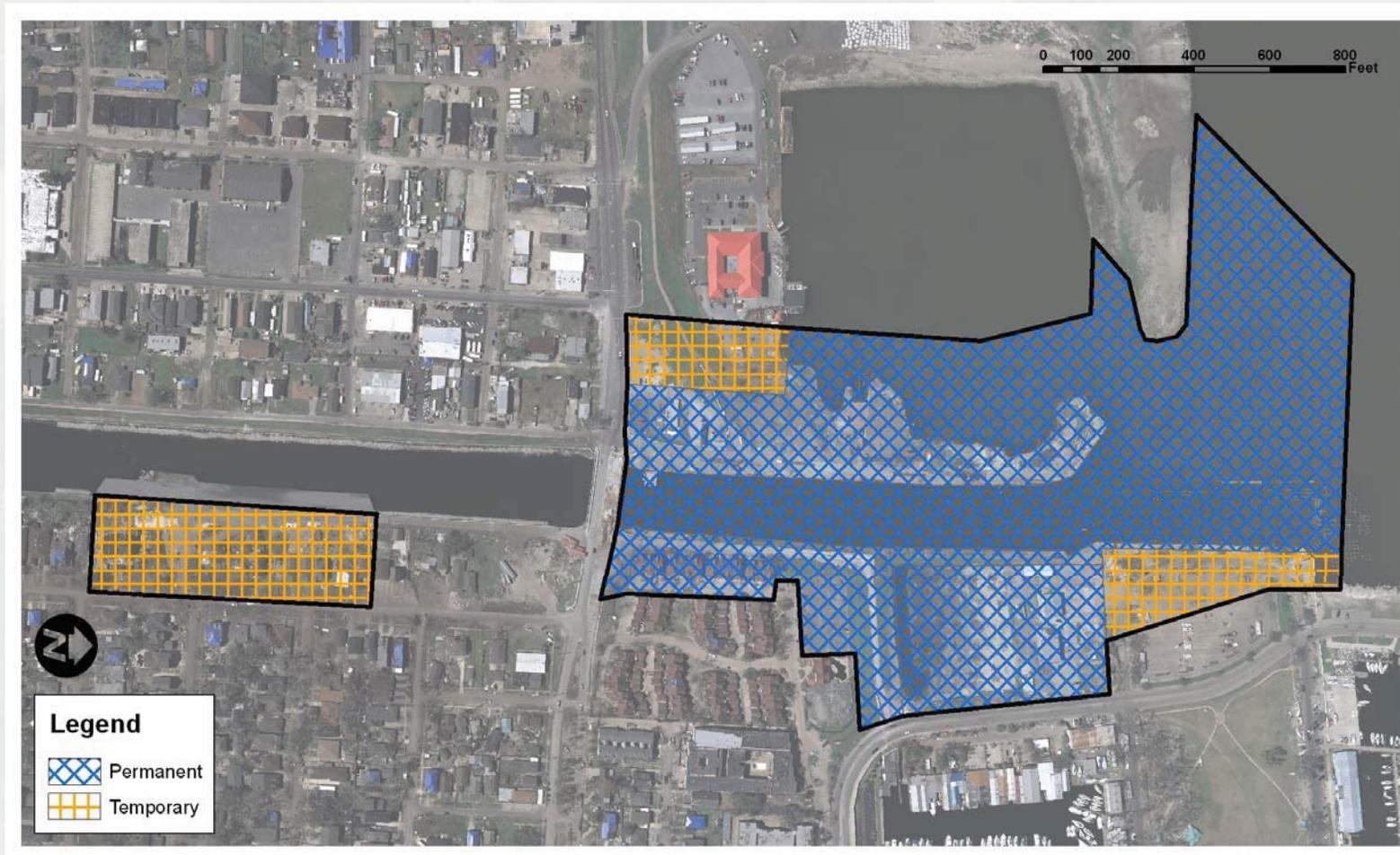
Lake Pontchartrain



17th Street Canal



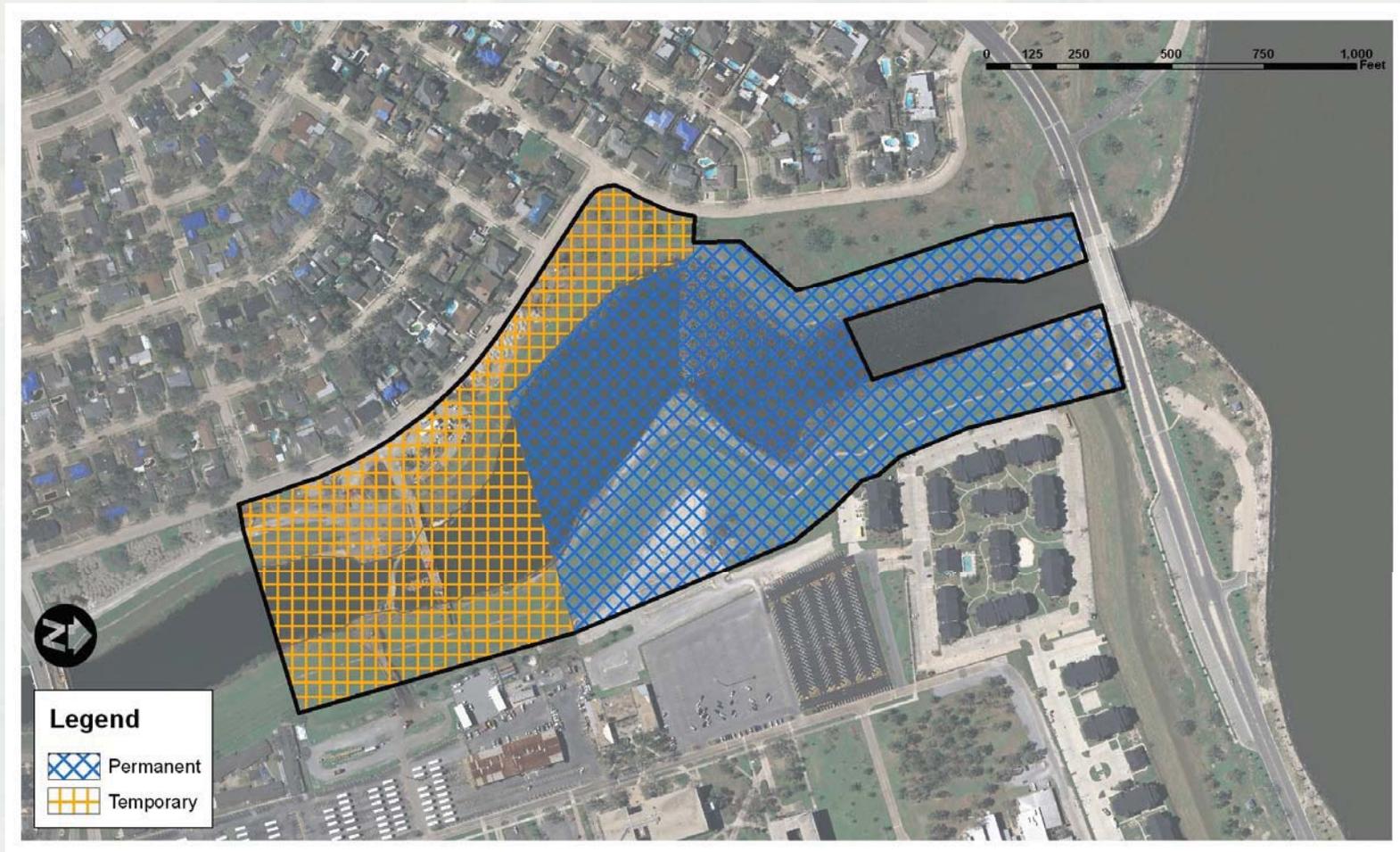
17th Street Canal Selected Maximum Footprints



London Avenue Canal



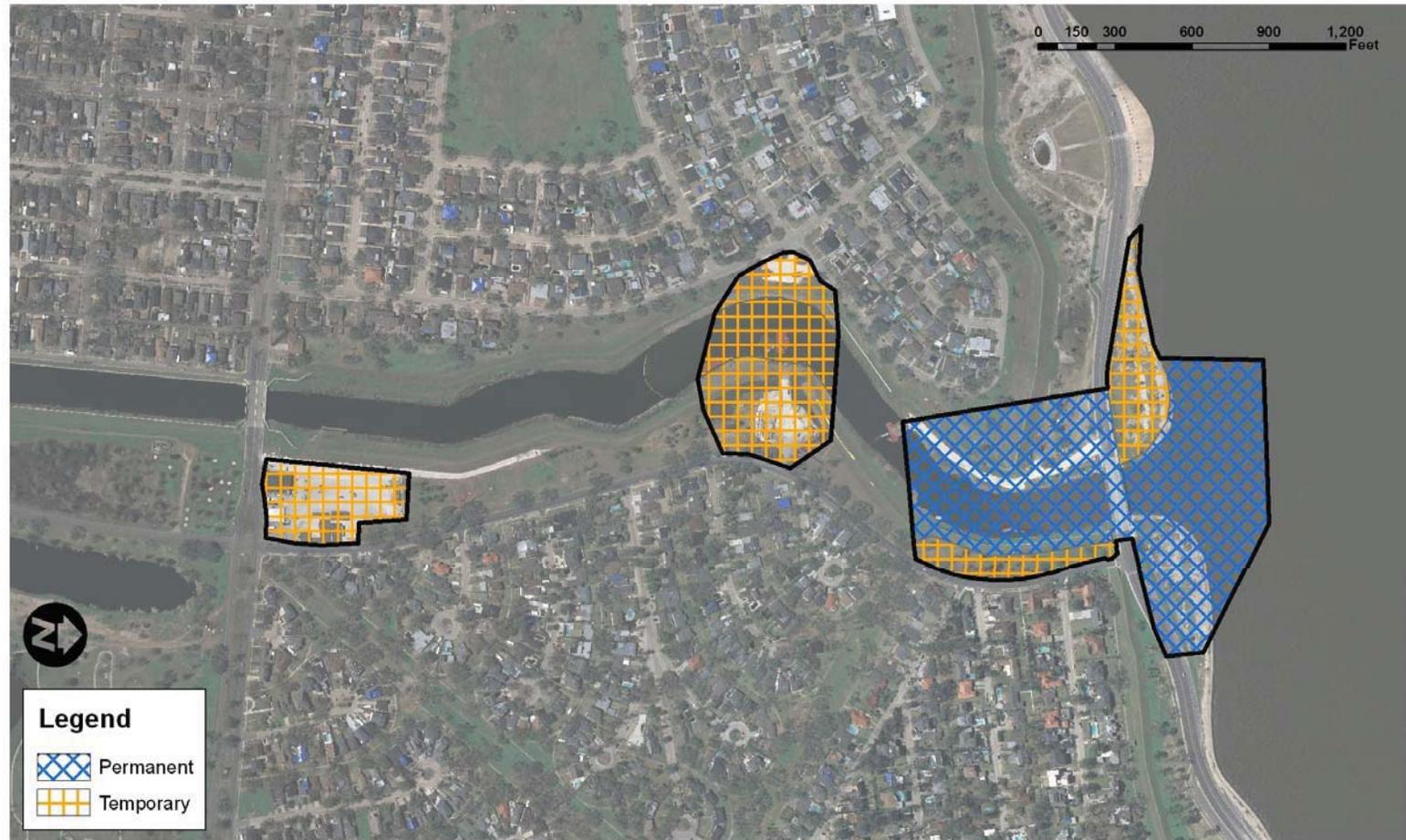
London Avenue Canal Selected Maximum Footprints



Orleans Avenue Canal



Orleans Avenue Canal Selected Maximum Footprints



Steve Roth

Army Corps of Engineers
Procurement Attorney



General Contract Format

- **Preamble**
- Bid Schedule
- Section 100: Overview
 - ▶ Schedule
 - ▶ Project sites
 - ▶ Canal profiles
- Section 110: Instructions to Offerors
 - ▶ Type of procurement
 - ▶ Submittal summary
- Section 120: Evaluation Criteria
 - ▶ Rating system
 - ▶ Factors and subfactors



General Format Continued

- Section 600: Representations and Certifications
- Section 700: Contract Clauses
- Section 800: Special contract requirements
- **Section 1010: Statement of Work (Project Specific)**
- Section 1100: General Provisions
- More standard provisions, e.g., QC, environmental protection, submittal procedures, closeout



Permanent Canal Closures & Pumps

Public Meeting – Draft
Request for Proposal

November 20, 2009



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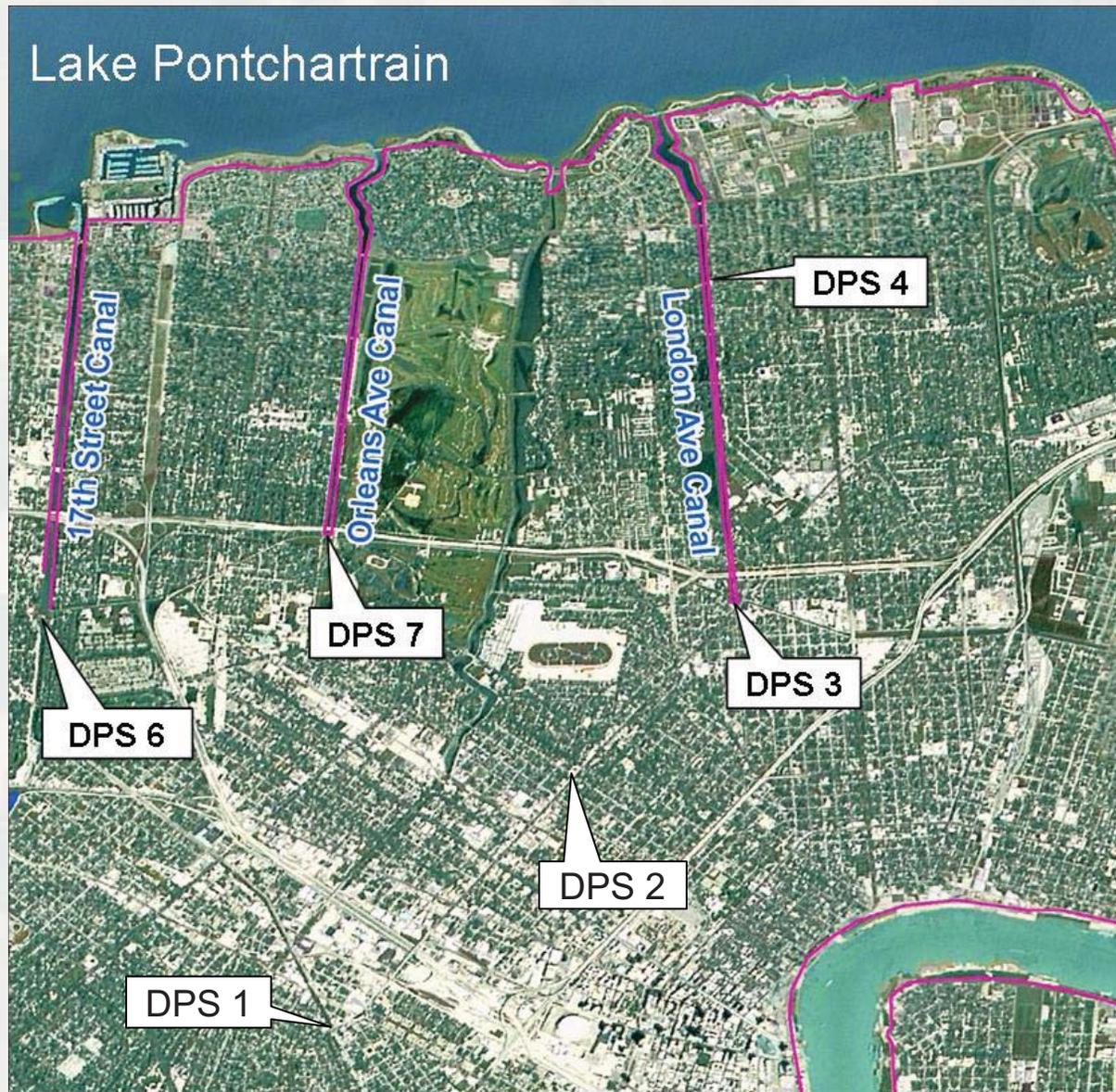


The Public Involvement Process for the Permanent Pump Stations Draft Request For Proposal (RFP)

Series of Three Meetings

- 1st Meeting – Present the Draft RFP Phase II
 - ❖ Overview of the project
 - ❖ Overview of Design-Build process
 - ❖ Review content of RFP Phase II
 - ❖ Comment review period November 19, 2009 – January 15, 2010
- 2nd Meeting – Workshop for additional public comments on the Draft RFP Phase II
 - ❖ Main purpose will be to receive comments
 - ❖ Break out into small groups
- 3rd Meeting – Respond to comments on the Draft RFP Phase II

Project Overview



- Storm Surge Barrier
- Pump Station for Interior Drainage



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Procurement Process Overview

- **Two Phase Process**

- ❖ RFP Phase I will select a short list of 3 to 5 bidders based on factors under consideration, such as past performance, technical qualifications and technical approach.
- ❖ RFP Phase II select contractor to design and build project based on factors under consideration, such as technical approach, management capability, past performance, socio-economic and price.



Design-Build Process

- **Phase I Request for Proposal (RFP)**
 - Solicits qualifications from those design-build contractor teams interested in designing and constructing the Permanent Canal Closures and Pumps
 - Evaluation Factors under consideration:
 - Past Performance
 - Technical Qualifications/Specialized Experience
 - Technical Approach
- **Form the Short-List**
 - Based on the evaluations of Phase I proposals
 - 3 to 5 teams are selected to submit Phase II proposals



Design-Build Process

- **Draft Phase II RFP issued to the Short-Listed Firms and Non Federal Sponsors for review**
 - 30 days to review
 - During the review period, the Government will conduct One-on-One interviews with Short-Listed Firms
 - Phase II RFP will be revised and finalized based on Short-Listed and Non Federal Sponsor comments and One-on-One interviews



Design-Build Process

- **Issue Phase II RFP to Short-Listed Firms for 120 days**
 - 25-30% design submittal
 - 90 days for review and evaluation of Phase II RFP proposals
 - Evaluation Factors under consideration:
 - Technical Approach
 - Management Capability
 - Past Performance
 - Socio-Economic
 - Price
 - Oral Presentations will be required during the review/evaluation process
 - Contract Award



Technical Requirements

- **Technical requirements for the project are released in RFP Phase II.**
 - ❖ RFP Phase II Performance Requirements – Section 3.1 (page 10)
 - Height of barrier wall (specified)
 - Design life of project (specified)
 - Pump Station capacity (specified)
- **RFP Phase II documents allow for multiple options regarding – Section 3.3 (page 21)**
 - Type of pumps (open for design-build innovation)
 - Type of drivers (open for design-build innovation)
 - Configuration of pump station (open for design-build innovation)
- ❖ Design-Builder is required to provide design details with their price proposal, then the best design is chosen



Request For Proposal Phase II Document Overview

- **Developed using extensive input, expertise and resources**
 - ❖ Technical Experts
 - ❖ Stakeholders
 - ❖ Public Input



Request For Proposal Phase II Document Overview

- **Developed using extensive input, expertise and resources**
 - ❖ **Technical Experts**
 - Royal Haskoning - Dutch Experts
 - US Army Corps of Engineers Northwestern Division
 - US Army Corps of Engineers Hydro Electric Design Center (Pump Station Center of Expertise)
 - US Army Corps of Engineers Engineering Research and Development Center
 - Black & Veach – Technical Consultants
 - ECM – Technical Consultants



Request For Proposal Phase II Document Overview

- **Developed using extensive input, expertise and resources**
 - ❖ Stakeholders (Team Members)
 - Coastal Protection Restoration Authority
 - Sewerage & Water Board of New Orleans
 - Jefferson Parish Department of Drainage
 - Southeast Louisiana Flood Protection Authority-East
 - Orleans Levee District
 - East Jefferson Levee District



Request For Proposal Phase II Document Overview

- **Developed using extensive input, expertise and resources**
 - ❖ **Public Input**
 - Individual Environmental Report (IER) #5 Review
 - Community Involvement in development of the technical portions of the RFP Phase II



Areas of Public Interest within the Draft Request for Proposal

- **RFP Phase II Document Structure**

- ❖ Facility Description

- Storm Surge Barrier Requirements
- Outfall Canal Pumping Requirements
- Reliable, Integrated Operation
- Adaptability Requirements
- Types of Pumps & Drivers
- Power Supply for Pump Stations
- Aesthetically Compatible Facility
- Environmental Requirements

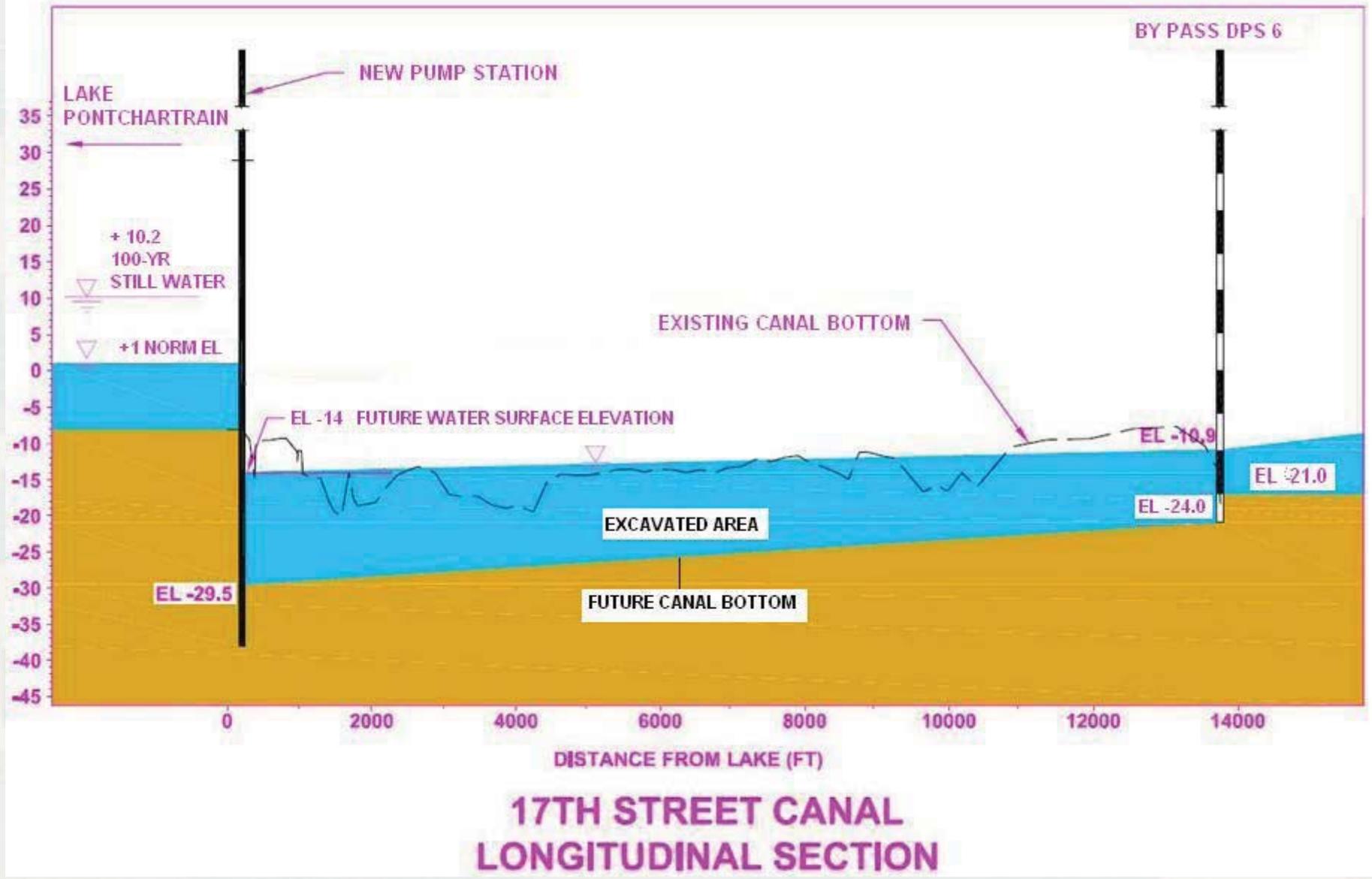


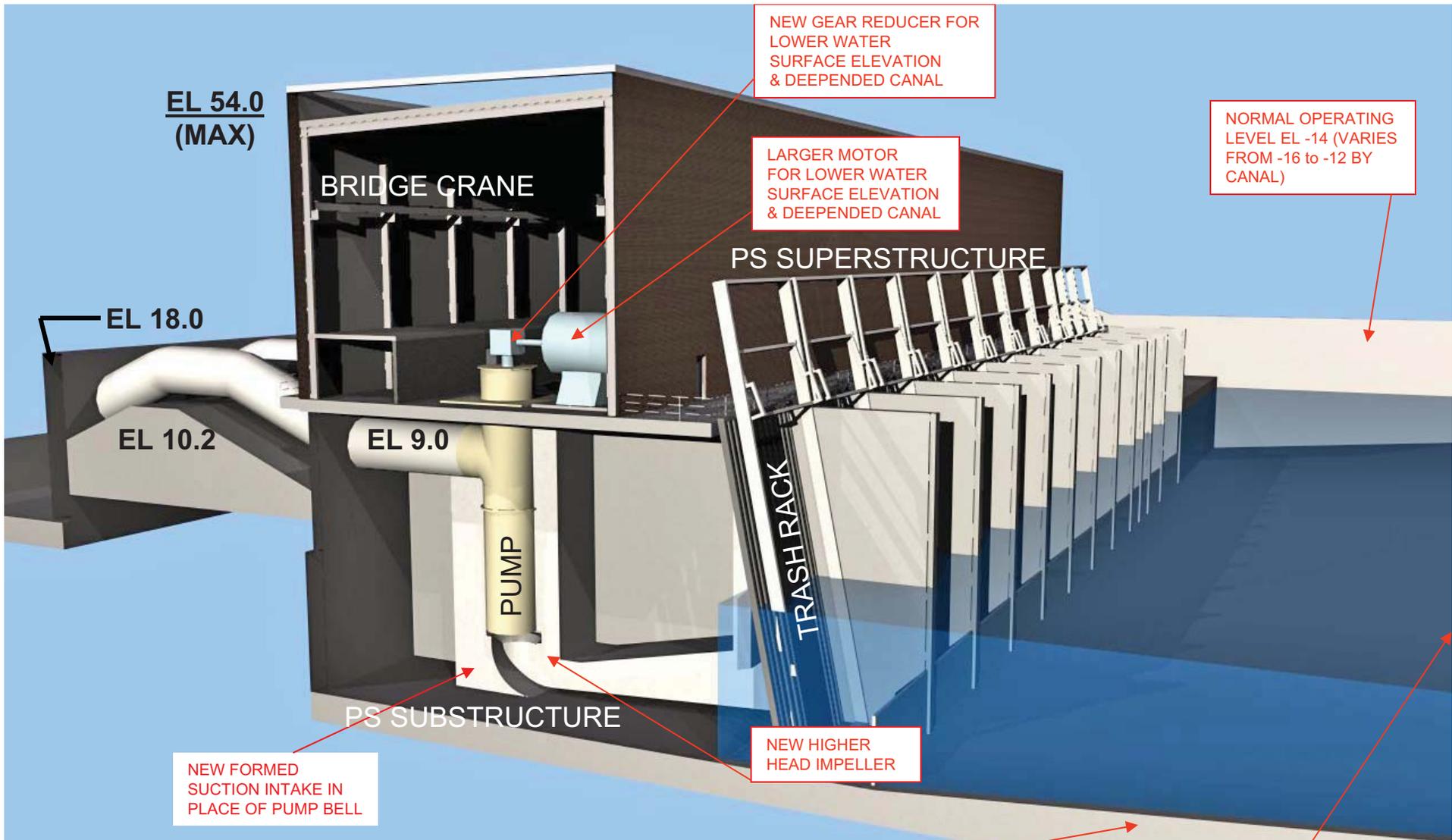
Pump Stations Operating Under Current Conditions



Conceptual

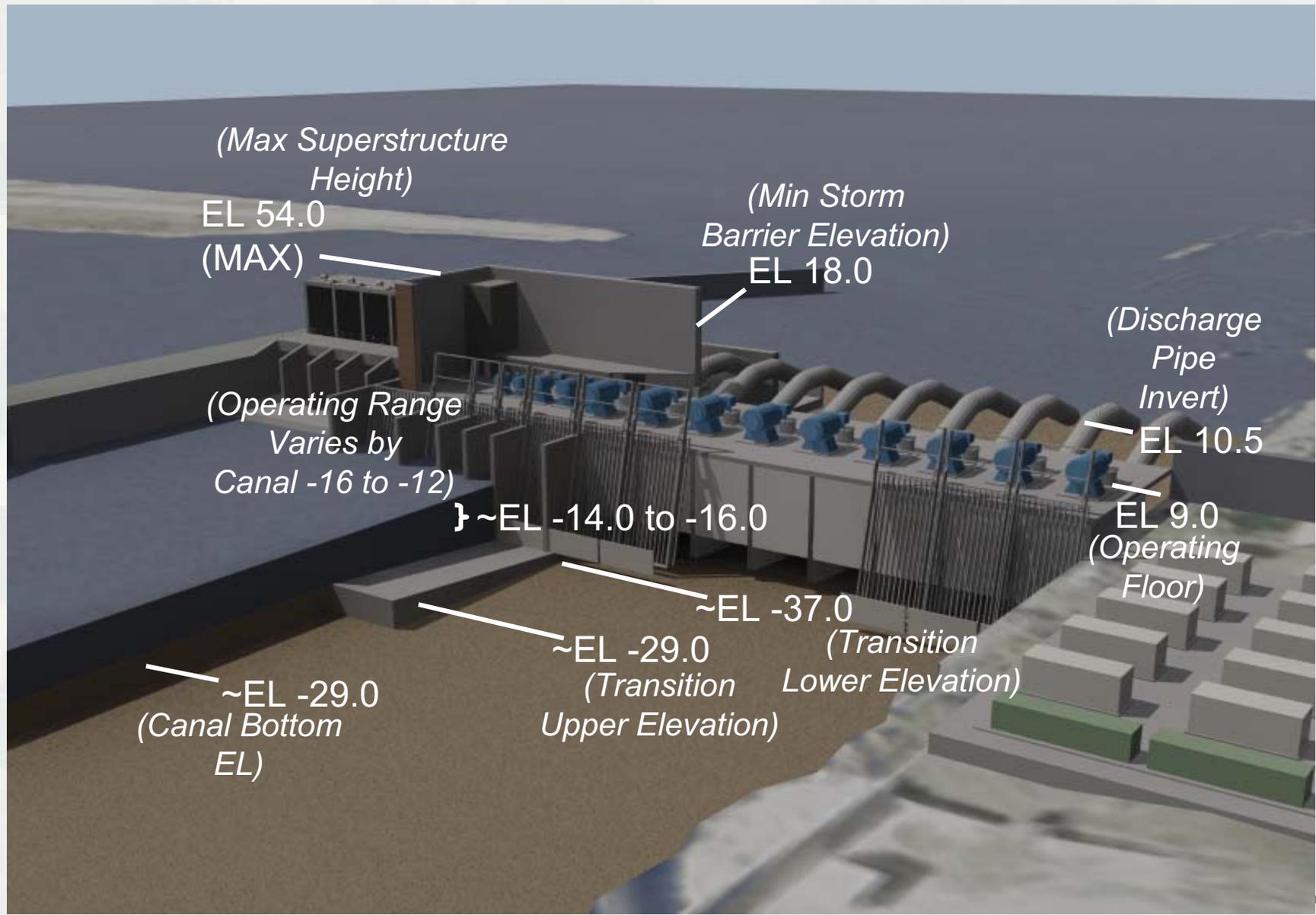
Possible Future Conditions: Deepened Canal and Lower Water Surface Elevation at 17th Street





Permanent Pump Station adapted to deepened canals & Water Surface Elevation
 Conceptual

Possible Future Conditions: Depended Canals & Lower Canal Water Surface Elevation



Conceptual

Possible Future Conditions: Depended Canals & Lower Canal Water Surface Elevation



Areas of Public Interest within the Draft Request for Proposal

RFP Phase II Document Structure

- Facility Description – Section 2.1 (page 3)
- Functional and Performance Requirements - Section 3.0 (page 8)
 - ❖ General Requirements – Section 3.1 (page 10)
 - Barrier Height
 - Still Water Lake Elevation, Design wave height and period
 - Design Life of Facilities and Equipment
 - Pump Station pumping capacities – Match Existing Drainage Pump Station Present and Future Planned Capacity
 - ❖ Operating Criteria – Section 3.2 (page 19)
 - Canal Water Elevation Limits
 - Gate Closure Sequence
 - Controls, Monitoring, & Communications
 - ❖ Pump Station General Design Criteria – Section 3.3 (page 21)
 - Potential Future Conditions Requirements (Adaptability)



Areas of Public Interest within the Draft Request for Proposal

RFP Phase II Document Structure

- Applicable General Criteria – Section 4.0 (page 29)
 - ❖ Industry
 - ❖ Corps
- Technical Criteria – Section 5.0 (page 35)
 - ❖ Structural
 - Water (Surge)
 - Wind Loads
 - ❖ Mechanical
 - Gates
 - Pumps
 - Vertical
 - Horizontal
 - Concrete Volute
 - Power Generators
 - Electrical Systems
 - Instrumentation & Controls System



Areas of Public Interest within the Draft Request for Proposal

RFP Phase II Document Structure

- Architectural – Section 5.4 (page 40)
 - ❖ Aesthetics
 - Building Height
 - Facility Footprint
- Environmental – Section 5.14 (page 78)
 - ❖ Noise during operation
 - ❖ Air Quality
- Construction Related Criteria – Section 5.15 (page 78)
 - ❖ Traffic Control
 - ❖ Noise/vibration during construction
 - ❖ Work hours/shifts
 - ❖ Security during construction



Project Schedule

30 Jun 2009	IER Decision Record Signed
24 Aug 2009	PDD Approved
19 Nov 2009	Meeting # 1 Community Involvement
14 Dec 2009*	Project Partnership Agreement
Jan 2010	Issue Synopsis
21 Jan 2010	Meeting # 2 Community Involvement
Jan 2010	Issue Design-Build Phase I Request for Proposal
Feb 2010	Evaluate Phase I Request for Proposal
Mar 2010	Meeting # 3 Community Involvement
Mar 2010	Form and approve Short List
Mar 2010	Issue Draft Phase II RFP for Review by Short List
Jun 2010	Issue Design-Build Phase II Request for Proposal
Jan 2011	Award Design-Build Contract
May 2014	Est. Construction Completion

*This schedule is tentative and based on the execution of the PPA by 14 Dec 2009.



Public Comments

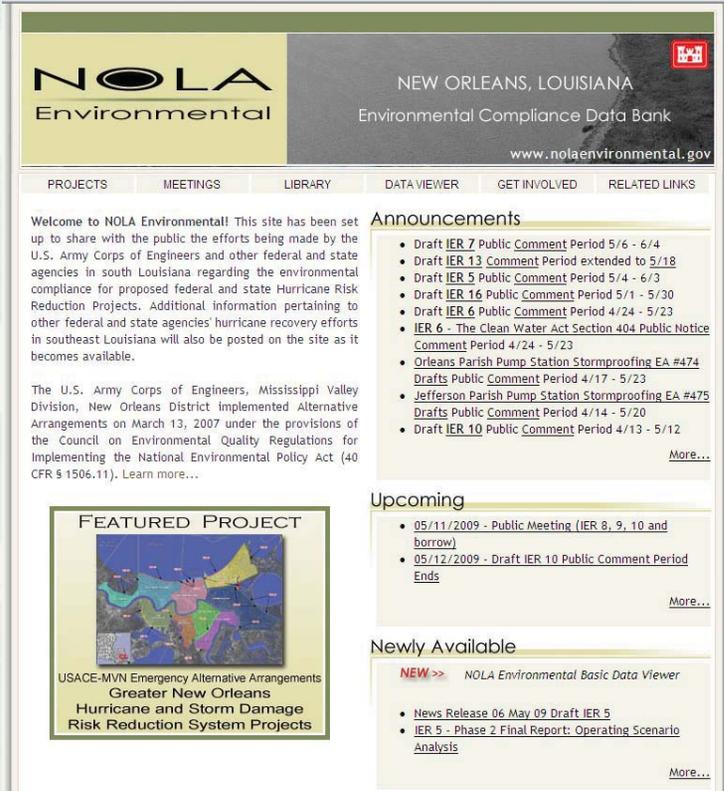
- Download a copy of Section 1010 of the RFP Phase II
 - ❖ www.nolaenvironmental.gov – under IER 5 Section
- Submit Comments to
 - ❖ PermanentPumpStation@usace.army.mil
 - ❖ U.S. Army Corps of Engineers
Hurricane Protection Office -- PCCP
P.O. Box 60267
New Orleans, LA 70160-0267
- Comment Period November 19, 2009-January 30, 2010



Resources

www.nolaenvironmental.gov

<http://www.mvn.usace.army.mil>



The screenshot shows the homepage of the NOLA Environmental website. The header features the "NO LA Environmental" logo and the text "NEW ORLEANS, LOUISIANA Environmental Compliance Data Bank" with the website URL "www.nolaenvironmental.gov". A navigation menu includes "PROJECTS", "MEETINGS", "LIBRARY", "DATA VIEWER", "GET INVOLVED", and "RELATED LINKS". The main content area is titled "Announcements" and lists several public comment periods for various projects, including Draft IER 7, 13, 5, 16, and 6, as well as IER 6 - The Clean Water Act Section 404 Public Notice Comment Period and Orleans Parish Pump Station Stormproofing EA #474 Drafts. A "Featured Project" section highlights the "USACE-MVN Emergency Alternative Arrangements Greater New Orleans Hurricane and Storm Damage Risk Reduction System Projects" with a map of the area. Other sections include "Upcoming" meetings and "Newly Available" documents like the "NOLA Environmental Basic Data Viewer".



The screenshot shows the homepage of the U.S. Army Corps of Engineers New Orleans District website. The header includes the "U.S. Army Corps of Engineers" logo and the text "New Orleans District". A navigation menu includes "ABOUT US", "SERVICES", "BUSINESS", "CAREERS", "REFERENCES", "PRESS ROOM", "CONTACT US", and "LINKS". The main content area features a "Public Information" section with a "Hurricane & Flood Risk Reduction" announcement and "Emergency Information" regarding road closures and disaster recovery. A "Featured Videos" section highlights the "West Closure Complex" and "Hurricane & Storm Damage Risk Reduction System". The "Top Headlines" section includes news about document confirmation on Westwego Harbor, public release of an environmental document, and updates on Westbank risk reduction projects. The "Ask the Corps" section provides contact information for the Corps. The footer includes a disclaimer, public inquiries, privacy and security, FOIA, information quality act, and accessibility links.





US Army Corps
of Engineers
New Orleans District

Social Web Networking Communities

and what they mean to you

twitter



is an online messaging and social networking system that allows people to share their daily life experiences minute-by-minute, hour-by-hour, and/or day-by-day via their computer or mobile phone. Team New Orleans is joining in and taking on the opportunity to tweet with the public and offer reports on developments, additions, changes, and upcoming public meetings and events that will affect local communities. Check it out by going to twitter.com/teamneworleans.

Flickr is an online community platform for global photo management and sharing applications via the web. Team New Orleans has become a part of the movement and is using Flickr to visually explain our projects. Check out our photos at

www.flickr.com/photos/37671998@N05.

flickr



facebook

is a global social networking Web site that links people from across the world and is currently ranked as the most popular of its kind. Team New Orleans is following in the trend and is using Facebook to update the public about projects, events, activities and public meetings.

Become friends with Team New Orleans by visiting www.facebook.com, search New Orleans District.



Ground Rules for Comments

- Please complete a speaker request card
- Use the microphone provided and please provide your name, address and/or affiliation
- Limit your comments to 3 minutes
- We encourage written comments to PermanentPumpStation@usace.army.mil

