

Greater New Orleans Hurricane and Storm Damage Risk Reduction System

**Pre-Proposal Conference
Solicitation No. W912P8-09-R-0065**

Lake Pontchartrain & Vicinity

**East Bank Jefferson Parish
Pump Station Fronting
Protection**



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Pre-Proposal Conference Agenda

- I. Welcome
- II. Purpose & Background
- III. Source Selection
- IV. Technical Discussion
- V. Intermission
- VI. Question & Answer
- VII. Closing Remarks



Ground Rules

- Please hold questions until the allotted time.
- Remarks and explanations/Questions and Answers shall not qualify the terms of the solicitation.
- Terms of the solicitation and specifications remain unchanged unless the solicitation is amended in writing.

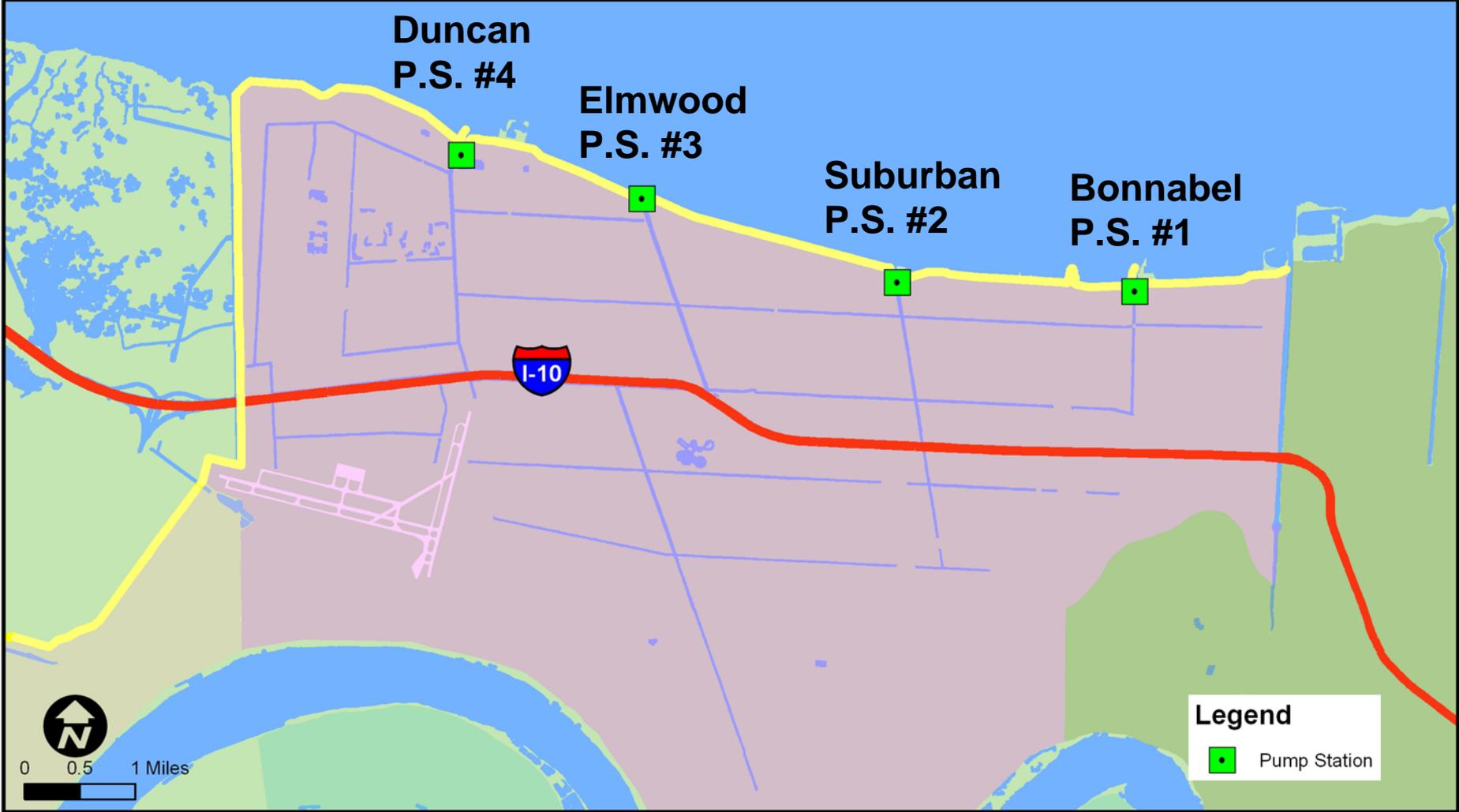


Purpose of Conference

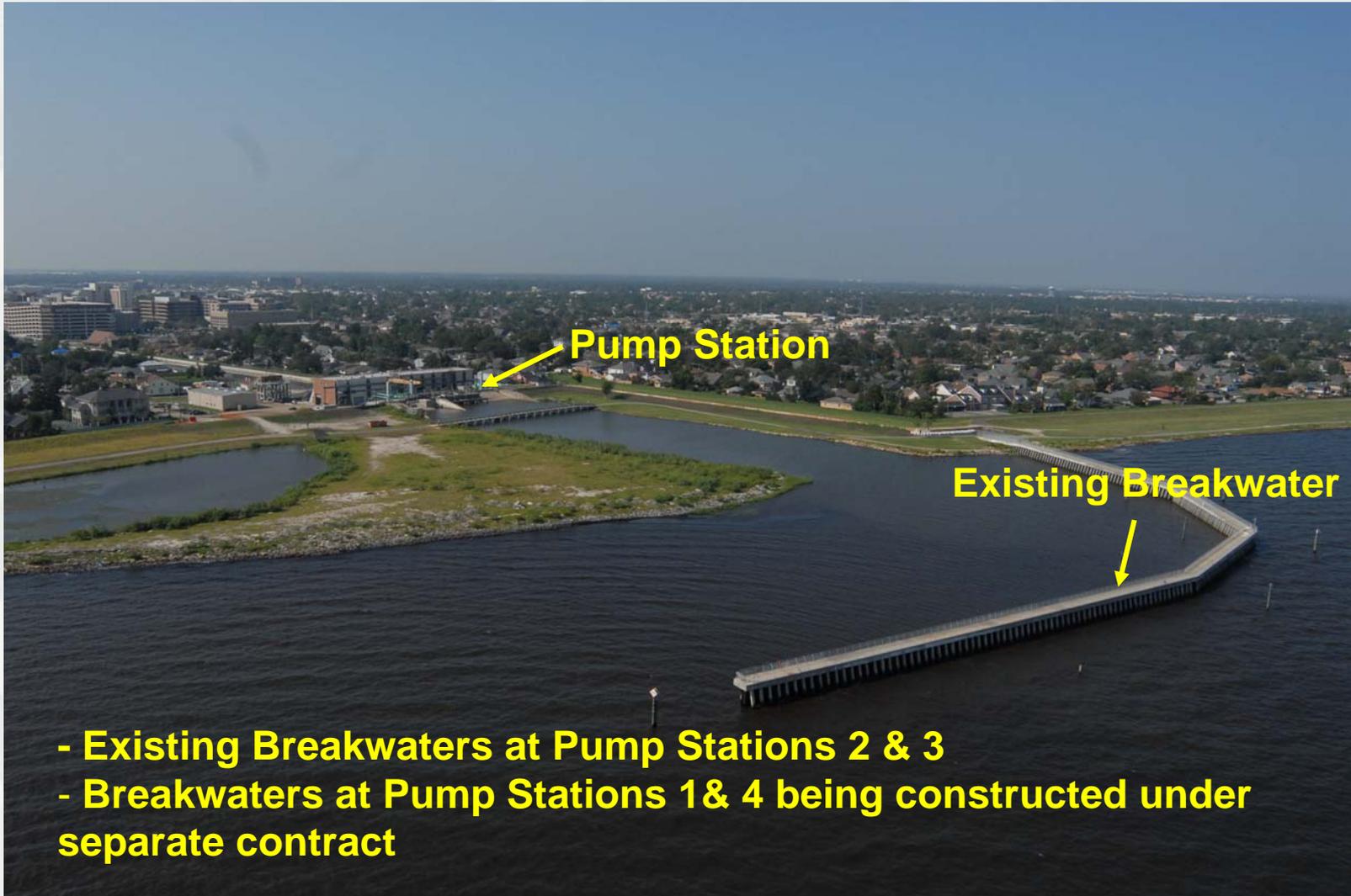
- Receive input from prospective offerors regarding the solicitation package.
- Clarify issues concerning the solicitation package.
- Provide technical discussion of the required work and provide responses to questions.
- Incorporate input into an amendment to the solicitation.



East Jefferson Lakefront Pump Stations



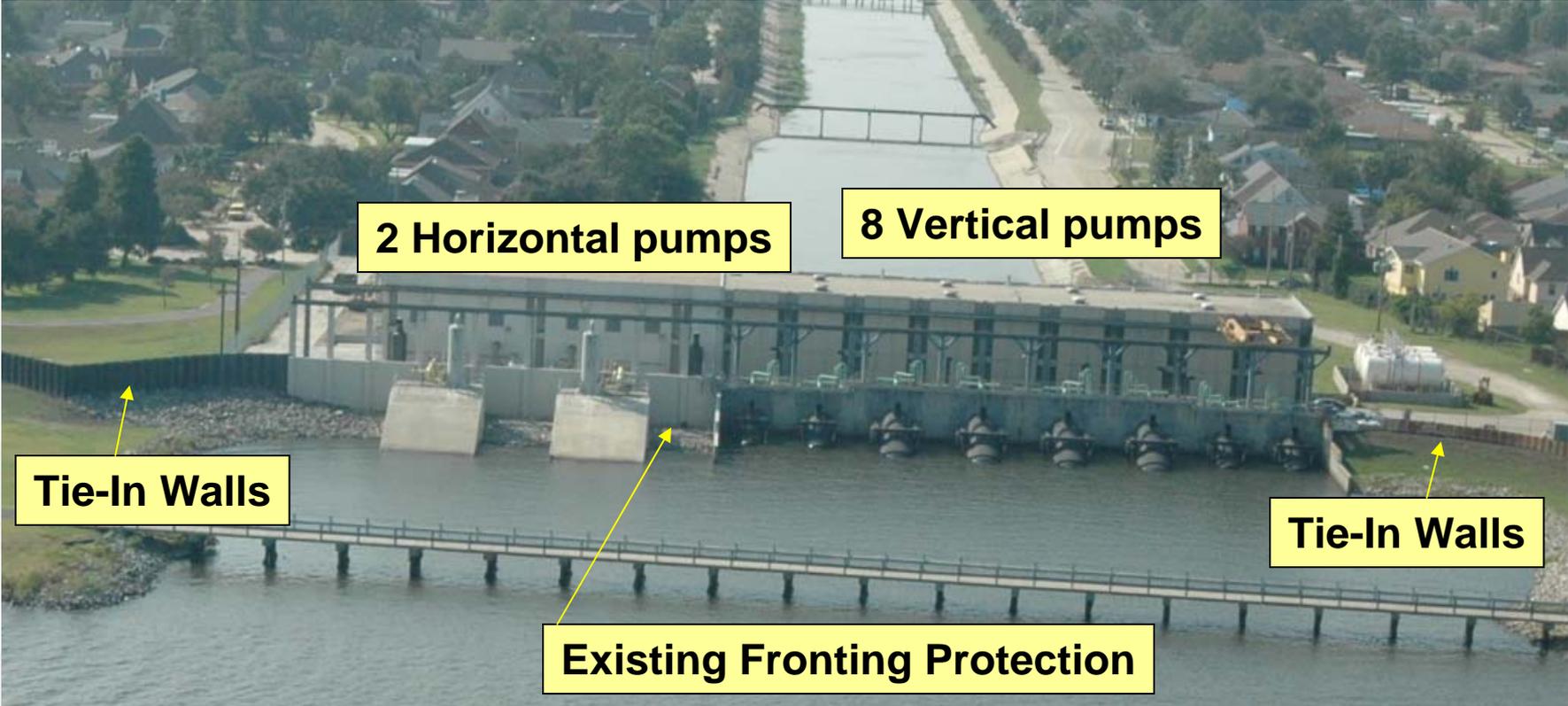
Breakwater Suburban PS #2



- Existing Breakwaters at Pump Stations 2 & 3
- Breakwaters at Pump Stations 1 & 4 being constructed under separate contract



Elmwood Pump Station #3

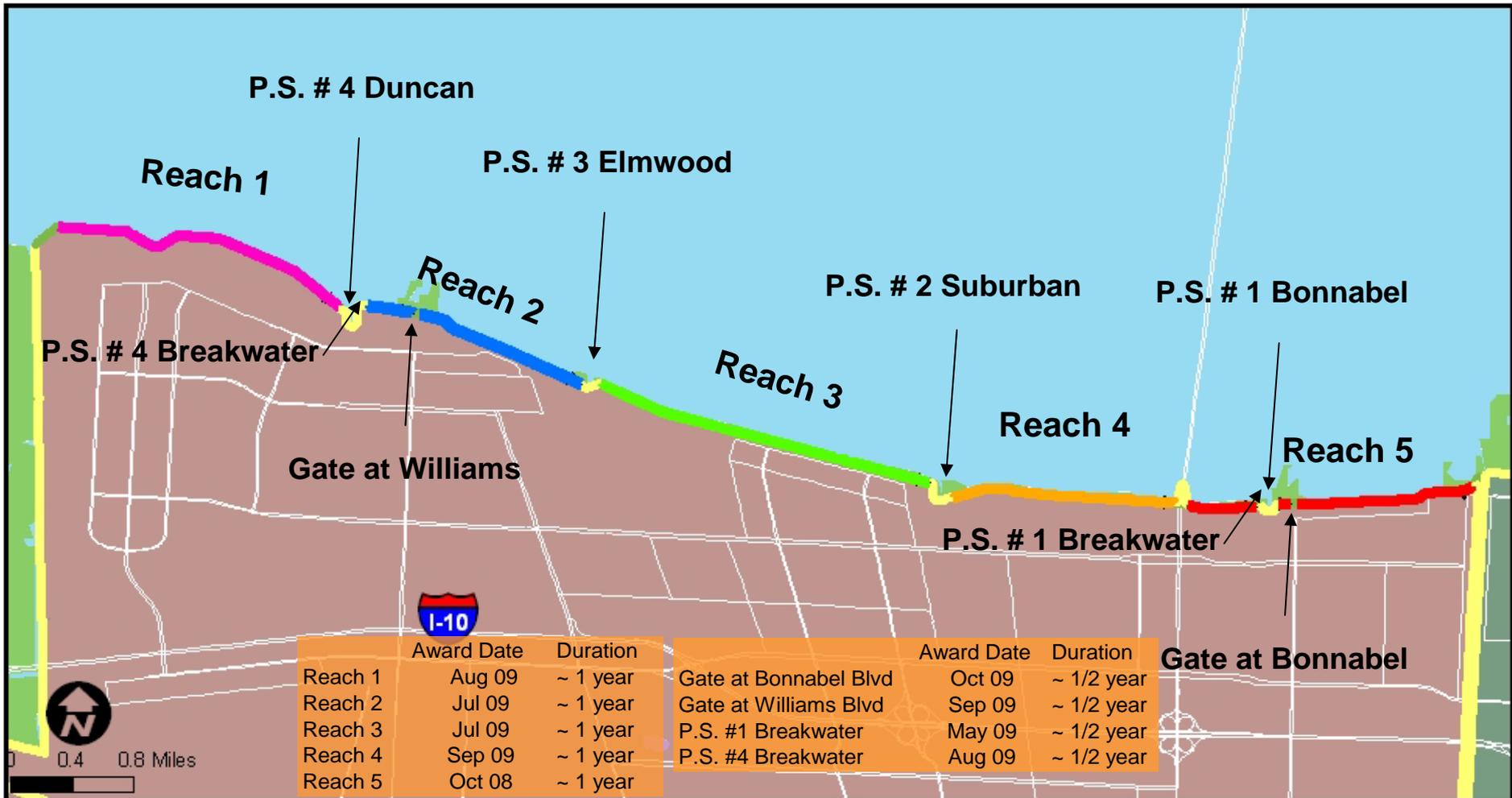


East Bank Pump Station Statistics

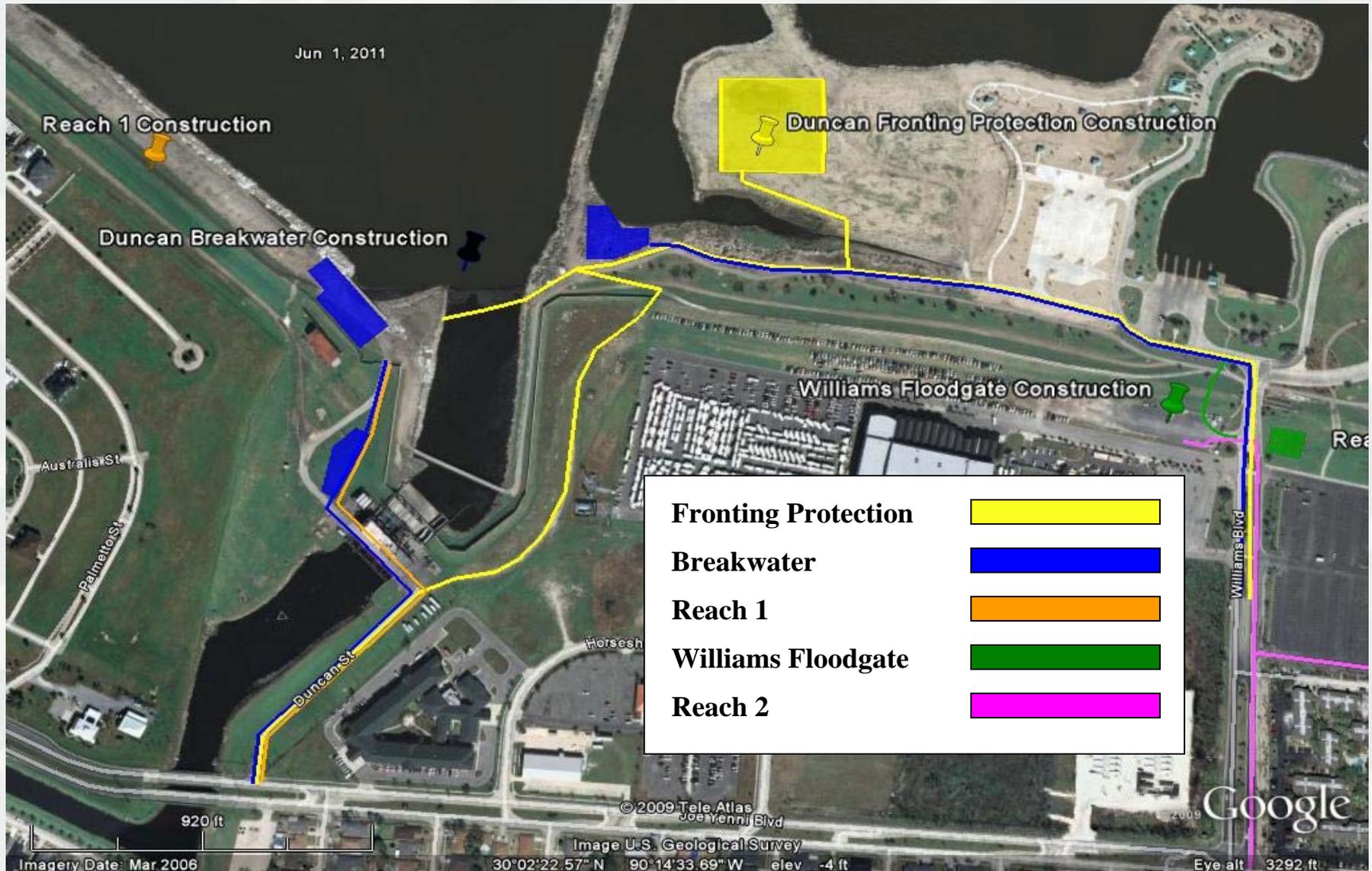
Pump Station	Pump Types	CFS/Pump	Total Station Capacity
PS No. 1 Bonnabel	3-132" Horiz 2-84" Vert	1050 300	3750
PS No. 2 Suburban	4-132" Horiz 1-84" Vert 2-72" Vert 1-30" Vert	1050 300 250 40	5040
PS No. 3 Elmwood	2-132" Horiz 4-96" Vert 4-72" Vert	1050 500 300	5300
PS No. 4 Duncan	4-132" Horiz 2-84" Vert	1050 300	4800



Adjacent and Concurrent Work



Access at P.S. #4 Duncan



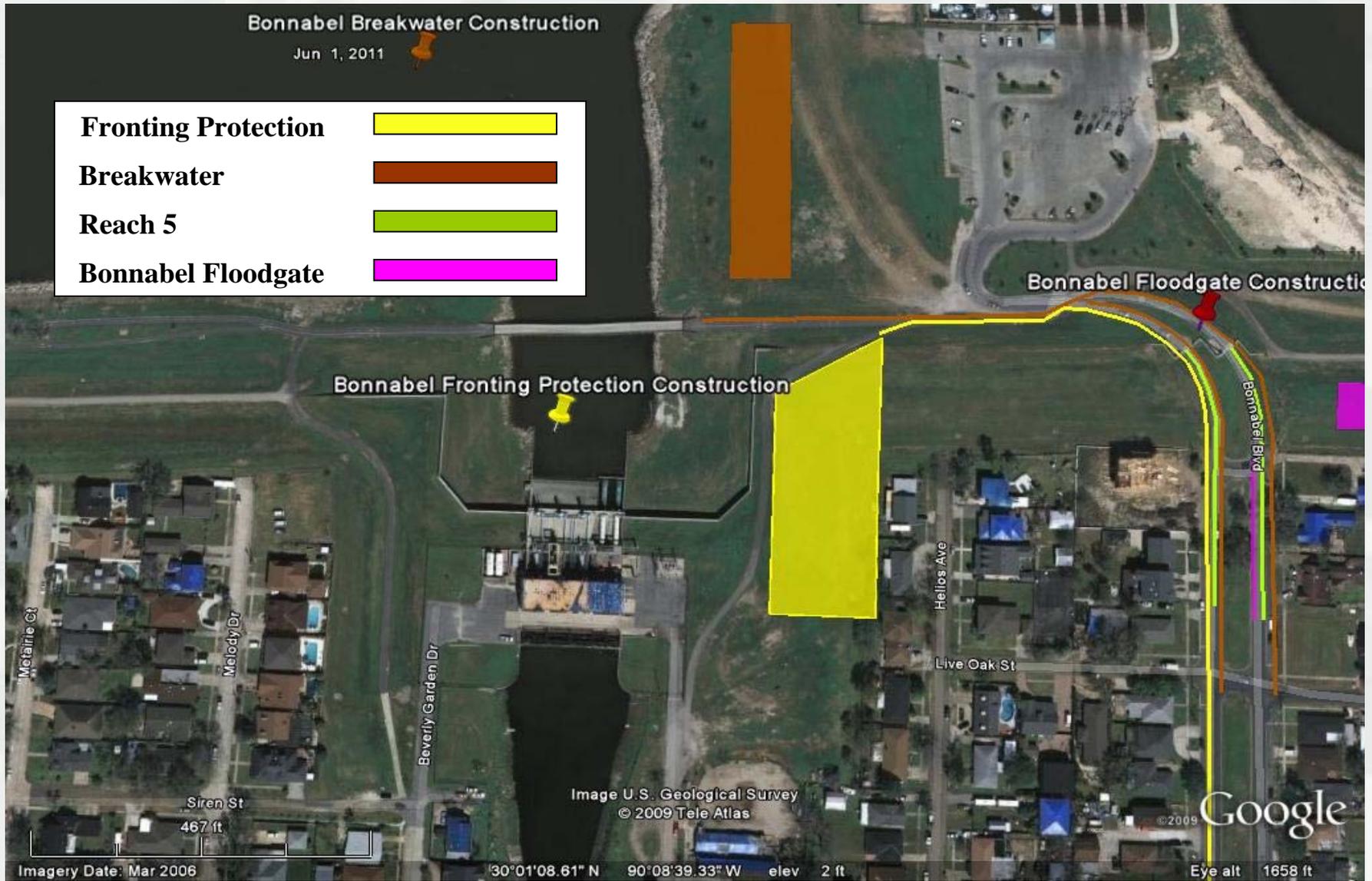
Access at P.S. #3 Elmwood



Access at P.S. #2 Suburban



Access at P.S. #1 Bonnabel



Major Features of Work

- Fronting protection at 4 pump stations
- Adjacent T-walls, L-walls, gates, and gatebay monoliths
- Sluice gates and dewatering bulkheads
- TRS and work platforms
- Replacement of Access bridge at Elmwood Pump Station
- Strengthening of existing breakwaters



Contract Objectives

- Phase work to minimize adverse impacts to existing pump station operations and prioritize work required to provide 100-yr risk reduction.
 - Phase 1 Requires Completion of:
 - New fronting protection and tie-in walls at P.S. #2 (Suburban)
 - New fronting protection and tie-in walls at P.S. #3 (Elmwood)
 - Modification of breakwaters at P.S. #2 (Suburban)
 - Modification of breakwaters at P.S. #3 (Elmwood)
 - Construction of breakwaters at P.S. #1 and #4 (not in this contract)
 - Phase 2 Requires Completion of:
 - New fronting protection and tie-in walls at P.S. #1 (Bonnabel)
 - New fronting protection and tie-in walls at P.S. #4 (Duncan)
- Simplify coordination with Jefferson Parish during construction by utilizing a single contractor.



Phasing Details

- Limits impacts to pump station operations to only 2 pump stations at a time
- Discharge Basin work restricted to Pump Stations 2 and 3 until the TRS has been removed at both stations (does not apply to tie-in walls).
- Contract includes an interim milestone with associated liquidated damages for phase 1.



Source Selection Process

Contracting Division
USACE, New Orleans District



What is Source Selection?

- A comprehensive process
 - Encompasses all phases of the acquisition
 - Planning
 - Requirements
 - Contracting
- Proposal evaluation
- Recommend/select source for contract award



Basis for Award

- This is a competitive, Best Value Source Selection that will be conducted using the Tradeoff Process prescribed by FAR Part 15.101 and 15.101-1 and the Source Selection Process prescribed by FAR Part 15.3 and the AFARS supplement.
- Proposals must meet the Evaluation Criteria stated in the Request for Proposal in order to be eligible for award.
- All non-cost evaluation factors (i.e. technical), when combined, are significantly more important than cost.
- The Government will award a Firm Fixed Price contract to the responsible offeror submitting the overall Best Value to the Government.



Evaluation Criteria

- Non-Cost Evaluation Factors:
 - Past Performance
 - Technical Approach and Key Personnel
 - Proposed Construction Duration
 - Small Business Subcontracting Plan



- Past Performance

- Evaluated based on work performed in the past ten years
- Previous projects of similar scope, complexity and magnitude will provide better proof of capabilities
- Government may call references and check past performance evaluations (i.e. CCASS)



- Technical Approach and Key Personnel
 - Offeror shall describe the technical approach for construction of this project and discuss how to manage labor and other resource constraints to achieve an aggressive schedule.
 - Qualifications, and capabilities for key personnel, both Prime and Subcontractors, that will be utilized for construction shall be provided.



- Proposed Construction Duration
 - The offeror shall propose the construction duration.
 - The proposed construction duration must be fully supported by the information in Factor 2, Technical Approach and Key Personnel.
 - Proposed shorter durations for phase 1 fully supported by information in Factor 2 will be rated more favorably.
 - Proposed durations not supported by the information in Factor 2 will be considered unacceptable.



- **Small Business Subcontracting Plan**
 - In accordance with FAR Part 15.304, the extent of small business participation will be evaluated.
 - Required elements of the subcontracting plan are in FAR Part 19.704, Subcontracting Plan Requirements.
 - Offerors providing a subcontracting plan that meets the Government's goals outlined in the solicitation will be rated more favorably than those that stray from the goals.



- Cost Evaluation Factor

- Price will be evaluated for reasonableness

- The price evaluation will represent a portion of the total evaluation. Therefore, an offeror may not be selected due to an unbalanced, unreasonable, or unrealistic price proposal.



- Proposals are due 1 September 2009.
- Please carefully review Section 00130 of the solicitation and submit in accordance with the requirements.



Technical Discussion



Points of Interest

- Lake access to pump stations
- Equipment height limitations at P.S. #4 (Duncan)
- Restriction on work hours
- Government furnished material
- Work Sequence around Active Pumps
- Temporary Dams



Points of Interest (con't)

- Emergency removal of Temporary Dams
- Web camera
- Temporary Flood Protection
- Unusual site conditions
- Phasing discussion

- Illustrated work sequence



Lake access to pump stations

- Lake access is available at all 4 stations
 - Must stay within areas shown on the drawings
- Pump Station #4 (Duncan)
 - Access to station thru a removable bridge span
 - Coordination may be required with breakwater contractor



Lake Access to Pump Stations (con't)

- Pump Station 3 (Elmwood)
 - Access directly to station upon entire access bridge removal.
- Pump Station 1 and 2 (Bonnabel and Suburban)
 - Access to station by the removal of a bridge span
 - Coordination may be required with Breakwater contractor at PS 1 (Bonnabel)



Equipment height limitations for Pump Station #4 (Ducan)

- Height restrictions - El. +250 ft
 - Based on FAA airspace study No. 2009-ASW-2114-OE
- High voltage Entergy line in Lake Pontchartrain



Work Hours

- One Restriction
 - No pile driving or extracting between 9 pm – 6 am
- Safety must be a top priority with these extended work hours



Government Furnished Equipment

- Sheet pile will be painted, PZC-13 (top 15')
- Storage facility open 24/7
- Storage yard is in Harvey, Louisiana



Working around active pumps

- Only 1 horizontal pump can be offline at a time per station.
- Joining of vertical pump discharge pipes.
- Spiral welded pipe will be allowed for a discharge pipe that is not permanent.



Temporary Dams

- Top of dam El. +3.2 ft (El. +0.8 ft top of “flap”)
- Minimum tips for dams provided in plans
- Plans show only “suggested” order of work
- Strength lines provided
- Early coordination will be required (timely approval of TRS submittal will be critical to contract schedule)



Web camera

- Excellent tool for additional documentation
- One camera will be located at each station



Temporary Flood Protection (TFP)

- No protection can be removed prior to installation of TFP
- Elevations:
 - El. +16.0 ft during hurricane season
 - El. +6.0 ft outside of hurricane season
- No I-walls
- No painting required for TFP
- Location of TFP is important (pulling may not adversely impact new protection)



Unusual site conditions

- Suburban has a sheet pile cutoff below ground in discharge basin that needs removal to drive temporary dam
- Some of the existing sheet pile I-wall at P.S. #2 (Suburban) will be re-used, must be painted
- Pile tests are ongoing, need to use a similar hammer to drive production piles



Illustrated Work Sequence



- Existing Site Conditions at Pump Station #3 (Elmwood)



Illustrated Work Sequence



- Existing Site Conditions, access bridge removed



Illustrated Work Sequence



- Piles driven, temporary dam in place, discharge pipes extended



Illustrated Work Sequence



- Work platform added



Illustrated Work Sequence



- Discharge basin slabs placed



Illustrated Work Sequence



- Walls placed



Illustrated Work Sequence



- Temp. Dam in front of station removed
- Access Bridge Replaced



Illustrated Work Sequence



- Completed structure



Intermission



Questions and Answers



A copy of this presentation will be available
shortly at:

www.mvn.usace.army.mil/EBS/cont_preproposalconf.asp

