

Permanent Canal Closures & Pumps

IPR

HPO – Conference Room 186

August 27, 2009



US Army Corps of Engineers
BUILDING STRONG®



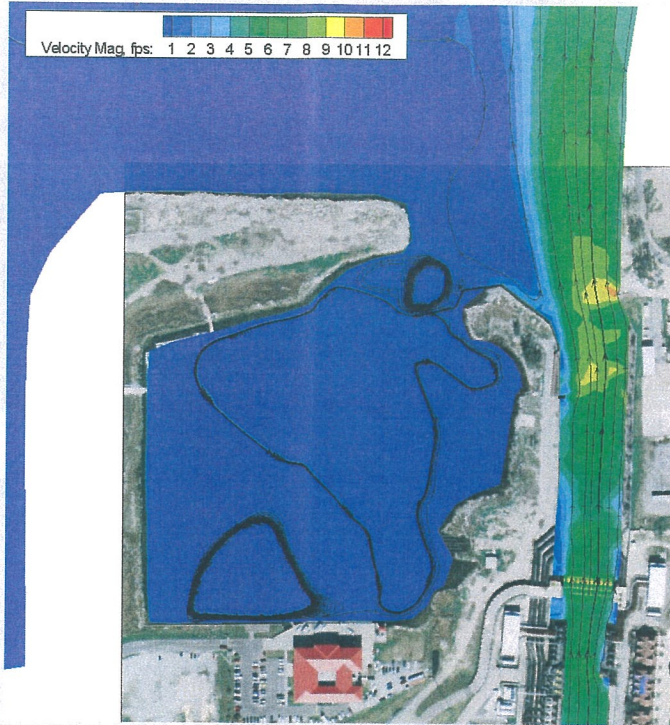
Where we are today...

- PDD was approved on 24 Aug 09
- Still awaiting LPV PPA Amendment execution
- Modeled flow velocities in 17th Street Canal
- Stakeholder review and comment follow up meeting for RFP II was held on 20 Aug 09
- The first of three Community Involvement meetings is scheduled for early Oct 09



Existing Conditions: Modeled flow velocities in 17th Street Canal

Currently, velocities are estimated between 4-6 fps for a discharge of 10,500 cfs

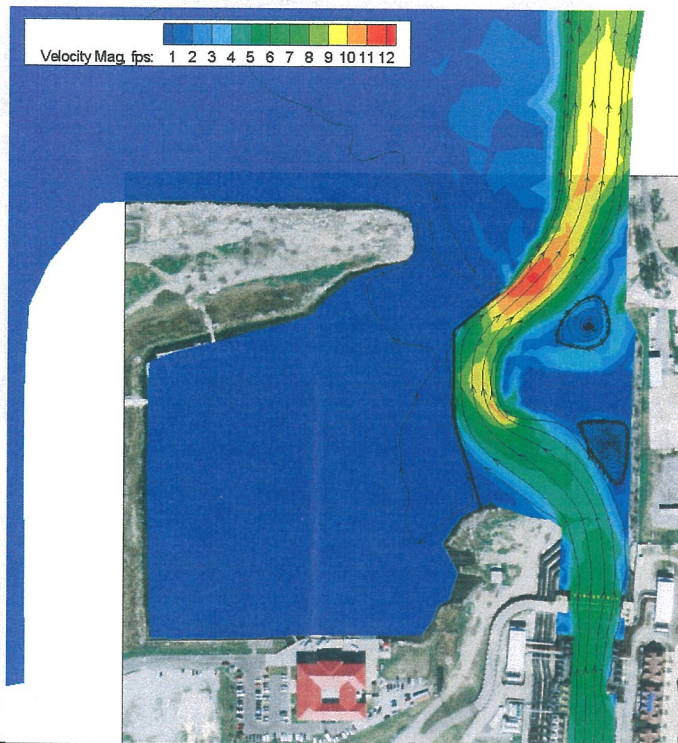


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During Construction: Modeled flow velocities through gated structure

Predicted velocities are estimated between 9-11 fps for a discharge of 10,500 cfs

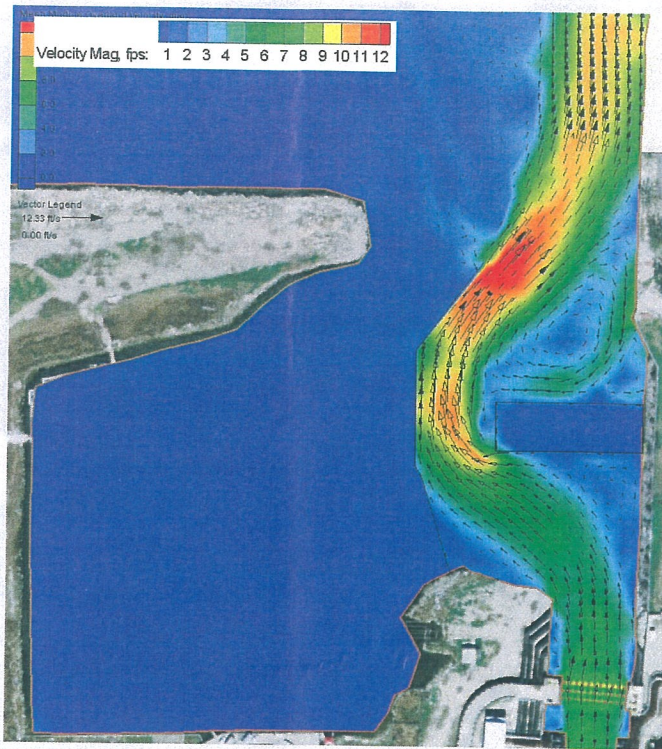


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Post Construction: Modeled flow velocities

Predicted velocities are estimated between 9-12 fps for a discharge of 12,500 cfs



Modeled flow velocities

Results indicated that during construction and post construction, there is a need to re-direct the flow so there will be no disruption to Coast Guard and Commercial fishermen navigation.



S&WB Comments to RFP II

S&WB Comment	Response
Requirement for a crane inside the building	Will impact height of pump station buildings
Requirement to use S&WB design criteria	Criteria has not been provided – previous project P&S?
Security requirements	Criteria has not been provided
Equipment preferences Vertical pumps No variable speed drives	Impact to PPS Building height Limits ability to re-use pumps in Option 2
Require N+1 pumping capacity	Current PPS design capacity exceeds S&WB capacity



S&WB Comments to RFP II (cont.) 17th Street Canal

S&WB DPS	SWB N+1	Largest Pump Cap	C D Pump Cap	S&WB Design Capacity
DPS-6	9,480	1100	180	8,200
Canal St	160	40	0	120
I-10	860	250	0	610
Future Cap	2,000			2000
Total Canal Capacity	12,500			10,930
Permanent Pump Station	N+1			Design
	12,500			11,400



S&WB Comments to RFP II (cont.) Orleans Ave Canal

S&WB DPS	SWB N+1	Largest Pump Cap	C D Pump Cap	S&WB Design Capacity
DPS -7	2,690	1000	140	1,550
Total Canal Capacity	2,690			1,550

Permanent Pump Station	N+1		Design
	2,700		1,600



S&WB Comments to RFP II (cont.) London Ave Canal

S&WB DPS	SWB N+1	Largest Pump Cap	C D Pump Cap	S&WB Design Capacity
DPS - 3	4,260	1,000	160	3,100
DPS - 4	3,720	1,000	80	2,640
Future Cap	1,000			1,000
Total Canal Capacity	8,980			6,740

Permanent Pump Station	N+1		Design
	9,000		7,900



Community Involvement Meetings

- **Meeting 1-** Provide preliminary design parameters to the public for review and comments (**early Oct 09**)
- **Meeting 2-** Discuss ideas and receive written comments from the public (**30 days after Meeting 1**)
- **Meeting 3-** Discuss which ideas and comments were and/or were not incorporated into the RFP and why (**30 days after Meeting 2**)



Additional Issues

- Consistency between Options 1 and 2
- Pump Station floor elevations



Project Schedule

30 Jun 2009	IER Decision Record signed
24 Aug 2009	PDD Approved
14 Aug 2009	Project Partnership Agreement
Sep 2009	Issue Synopsis
Oct 2009	Issue Design-Build Phase I Request for Proposal
Oct 2009	Meeting # 1 Community Involvement
Nov 2009	Meeting # 2 Community Involvement
Dec 2009	Meeting # 3 Community Involvement
Mar 2010	Issue Design-Build Phase II Request for Proposal
Nov 2010	Award Design-Build Contract
2014	Est. Construction Completion



