



Luce Bayou Interbasin Transfer Project

Coastal Water Authority
November 2009 Board Meeting

AECOM



Luce Bayou Interbasin Transfer Project

- Environmental and Permitting
- Engineering
- ROW Acquisition
- Schedule
- Project Team
- Budget Summary
- HUB/MWDBE Participation
- Stakeholder Communication



Environmental and Permitting

- Developed Wetlands Delineation Reports for Harrison Tract and Parcels 43-54.
- Obtained ROE for Parcels 41 and 42. DESCOCO, a HUB firm, is performing wetlands delineation of these forested parcels.
- Evaluated potential wetlands impacts and assisted with project alignment definition along CR 624.



Environmental and Permitting

- Collected aerial photographs and performed field evaluation of areas logged on the Harrison Tract.
- Refined project alignment in agricultural fields to comply with Bald Eagle Protection Act prior to construction.
- The “Wetlands Delineation Report” for the Capers Ridge Pump Station site has been finalized for CWA review.



Environmental and Permitting

- Developed summary of Environmental Report.
- “Terrestrial Species and Vegetative Habitat Report” has been issued by Crouch Environmental Services, a MBE Firm.
- Updated the environmental portion of the Luce Bayou website.



Engineering

- Distributed the “draft” PER for review by the Technical Review Committee.
 - PER includes sections on:
 - Project overview
 - Trinity River conditions
 - Project capacity and operation
 - Pump station design
 - Conveyance system design
- PER also includes exhibits for the preliminary pump station design and entire pipeline and canal ROW.



Engineering

- Completed first draft of the preliminary engineer's opinion of probable construction cost.
- Completed hydraulic and sediment transport models for post-project conditions.
- Completed preliminary geotechnical report.



Engineering

- Investigated drainage siphon design and crossing locations.
- Refined preliminary outfall structure design.
- Investigated and evaluated methods to control sediment buildup within the project conveyance system.



Engineering

- Continued preliminary surge and transient analysis for project pipeline.
- Performed additional analysis and developed memorandums regarding revisions to the project alignment.
- Coordinated design of project with known TxDOT and Liberty Country roadway improvement projects.



ROW Acquisition

- Commissioners Hearings completed for condemnation of Parcels 3 – 4.5 (Harrison Tract) and Parcel 52.
- Commissioners Hearing date established for Parcels 50 and 51 (November 24).
- Awards of Commissioners deposited for Parcels 52, 53, and 54 (CWA now has possession).



ROW Acquisition

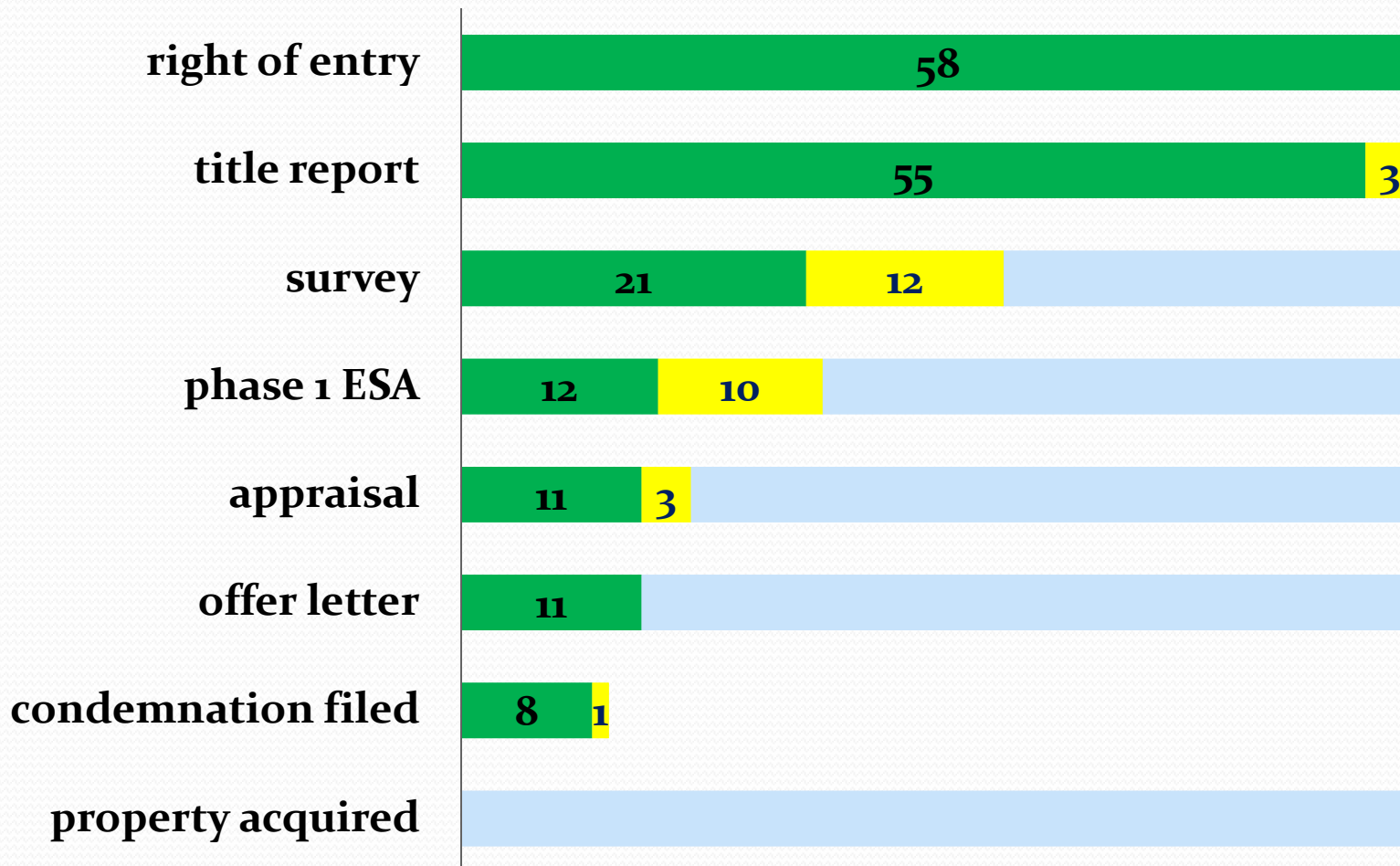
- Completed boundary surveys for Parcels 18, 39.4, 39.6, 39.8, 40.5, 48, and 49.
- Completed Phase 1 “Environmental Site Assessments” for Parcels 9-14, 48, and 49.
- Updated property acquisition database and draft cost estimate.



ROW Acquisition

Status (number of parcels completed or in progress)

■ completed ■ in progress ■ remaining to complete





Schedule

Begin tasks in "Work Order No. 7"	March 11, 2009
Resolution of Take Point	Completed June 2009
Complete property boundary surveying/acquisition	To be determined
Complete environmental field work	December 31, 2009
Complete Preliminary Engineering in support of 404 Submittal	March 31, 2010
Joint Evaluation Meeting	October 2009
Submit 404 Application to USACOE	March 31, 2010
Receive USACOE 404 Permit	September 2011 to March 2012



AECOM Team Members

- WCW International
 - Crouch Environmental
 - J.J. Wagner
 - Robert McFarlane
 - Roger Moore
 - Desco
 - Quadrant
- Isani Group
 - Adept
- RBI
- Fugro
- Universal Field Services
 - Integra
- John Griffin
- Baird
- Espey
- Entech
- HVJ



MWDBE-HUB Participation (Through September 2009)

Firm	Billings	Percent of AECOM Billings
WCW International	\$ 941,309	9.94%
Isani Group -Adept	\$ 689,361	7.28%
RBI	\$ 300,478	3.17%
HVJ	\$ 90,851	0.96%
Tolunay-Wong	\$ 10,200	0.11%
Total	\$ 2,032,199	21.46%



“Work Order” Summary

Work Order	Authorized	Expended	Status
One	\$ 200,000	\$ 200,000	Closed
Two	\$ 825,000	\$ 599,127	Closed
Three	\$ 830,000	\$ 546,152	Closed
Four	\$ 163,000	\$ 163,000	Closed
Five	\$ 840,000	\$ 801,773	Closed
Six	\$ 2,000,000	\$ 1,970,978	Closed
Seven	\$ 10,105,500	\$ 5,186,074	Ongoing
Totals	\$ 14,963,500	\$ 9,467,104	



Stakeholder Communications

- Teleconference conducted on October 6.
 - COH to schedule meeting with Stakeholders to discuss “direct connect” to NEWPP.
 - Discussed TRC meeting to review PER.
 - PER “draft” to be distributed.
 - TRC to be scheduled for November 19 at AECOM office.
- Next teleconference scheduled for December 1.