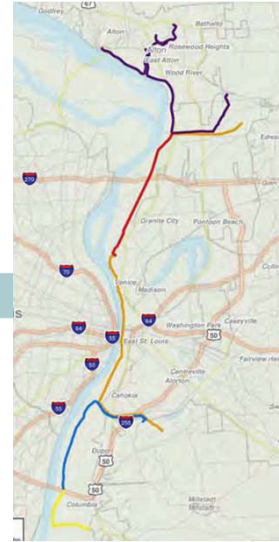


Progress Report January 19, 2011 SW IL Levee System By Jay Martin



Major Areas

- Program Management
- Field Activities
- Preliminary Design
- Schedule
- Budget
- Look ahead



Program Management



- Health and Safety
 - No reportable incidents project to date.
- Weekly calls with the USACE (and periodic meetings) to coordinate and share information
 - Disciplines
 - Permitting
 - Schedules
 - 100 year solutions coordinated with USACE 500 year
 - Design submittal process
- Work Orders
 - Mod time on two existing
 - Begin developing scope and cost for WO #4

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Field activities (developing data for both evaluation and design)



	Wood River	MESD	PdP/FL
SPT (LF)	2320	4565	2925
CPT (LF)	9280	7650	6300
SONIC (LF)	1500	1875	N/A
% Complete (# of borings)	90% (144)	92% (254) (berms)	100% (155)
Geophysical	Complete	Complete	Complete
ROE	√	One property	√

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Preliminary Design and Evaluation Activities



	WR	MESD	PdP/FL
H&H (freeboard)	√	√	√
Geotechnical (including field)	■	■	■
Under seepage	√	√	√
Through seepage	■	■	■
Stability	■	■	■
Civil	■	■	■
Cultural Resources	●	●	●
Wetlands	●	●	●
Environmental – Haz Waste	■	■	√
Relief Wells	●	●	●
Evaluation Report	√	√	√

- Started (0 - 20%)
- In process (20 - 80%)
- √ Nearly complete (80%+)

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Preliminary Design and Evaluation Activities – All Levees



- Water Resources - H&H analysis is complete for all systems. Flank levee freeboard, develop break-point between where MS River backwater controls WSE.
- Geotechnical Engineering - Under-seepage analysis nearly complete. Through seepage and stability analysis underway.
- Civil Engineering – Locations for many of the specific remedial measures have been delivered to the civil team. Continue developing plans. Boundary Surveys substantially complete in WR.
- System-wide GIS plans that show interior flooding, potential cultural sites, wetland areas, boring and relief well locations
- Developed a combined list of 'deficiencies' that need to be addressed as part of the civil design or by O&M.
- Cultural strategy developed. Coordinated with USACE
- Wetlands impacts better understood. Initial permit discussions and mitigation options explored.

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Schedule



- Working to deliver 30% design in March for all levees.
- Select activities originally scheduled for completion by 30% will be extended beyond current WO date of March 1.



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Budget



- Fourth invoice prepared for Les
- Budget status
 - Program Management \$197,000 spent, 13.4% of budget
 - Preliminary Design \$859,000 spent, 26.6% of budget
 - Preliminary Construction \$1,708,000 spent, 30.0% of budget
- Wood River – No issues have been identified that would cause an overrun.
- MESD – Currently expected to be complete within or under budget. However, the cost for treating potentially contaminated water or disposal of environmentally contaminated soils is unknown.
- PdP/FL – Currently expected to be complete within or under budget.

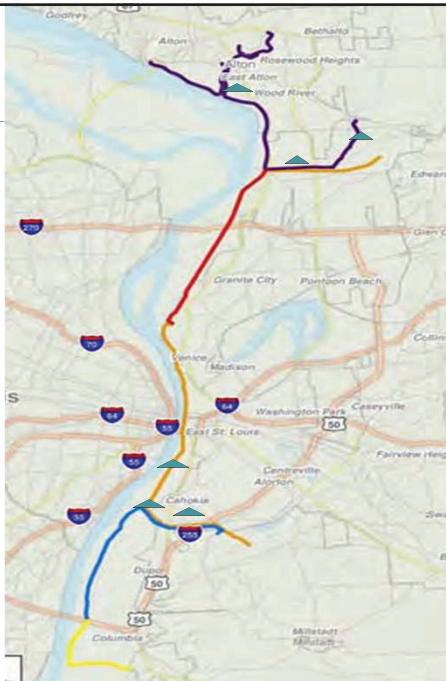
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Issues & Concerns



- Potential schedule impacts in MESD
- Cultural resources – strategy, meet with SHPO
- Wetlands permits
- Coordination with the Corps – maximize efforts
- Chain of Rocks and Mel Price - schedule

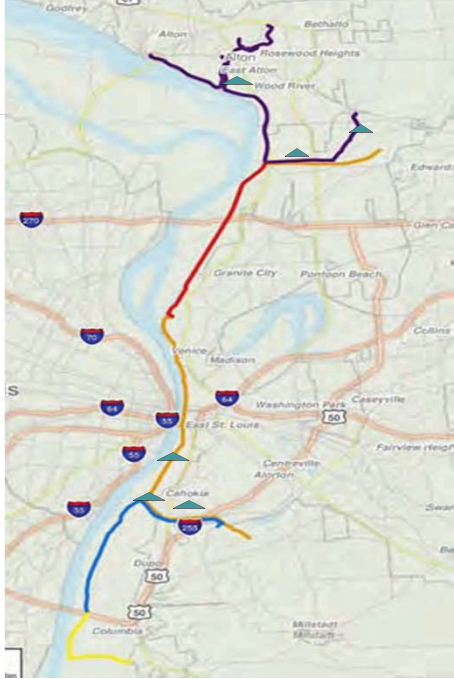
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Wood River...

- 5000 LF of deep C/O wall – replace with berms and RW
- Indian Creek in LWR – RW to berms (engineering driven)
- Wanda Rd – berms to C/O wall? RR embankment.

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amec

MESD...

- DC/W by tank farm ConocoPhillips – replace with RW and berms
- Elbow complex – berms to walls or RW and berms or toe drain
- Golf course area, Blue Water ditch – DC/W to RW and berms or possibly eliminate (based on Corps PdP Creek borings)

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Look Ahead – Wood River



- Continue to coordinate with COE on work (improvements) that has been accomplished.
- Complete through seepage and stability analysis.
- Identify locations of cut-off wall.
- Identify additional exploration that is needed for Phase II work.
- Continue to refine solutions - seepage berm locations, relief wells, etc.
- Continue relief well evaluation.
- Geotechnical data report for cut off walls.
- Continue development of civil sheets with improvements.
- Preliminary re-evaluation of cost estimate

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Look Ahead – MESD



- Complete Phase I borings – one property.
- Identify Phase II borings.
- Civil Engineering: Continue to develop drawings/plans with improvements and incorporate utility knowledge.
- Refine seepage berm locations and evaluate hybrid solutions.
- Continue analysis of cut off walls.
- Complete pipe videos by the end of February.
- Structural review and direction.
- Continue relief well evaluation.
- Geotechnical data report for cut off walls.
- Preliminary re-evaluation of cost estimate.

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Look Ahead – PdP/FL



- Collaborate with USACE to stay abreast of potential overlapping/conflicting solutions footprints.
- Water Resources: No action planned.
- Civil Engineering: Continue to develop drawings/plans with improvements.
- Environmental Engineering: No action planned.
- Cultural Resources: Meeting with SHPO.
- Geotechnical Engineering: Continue to evaluate and refine solutions – working closely with civil.
- Continue relief well evaluation.
- Preliminary re-evaluation of cost estimate.
- Identify Phase II exploration.

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QUESTIONS?

