

**Progress Report
December 15, 2010
SW IL Levee System
By Jay Martin**



Major Areas

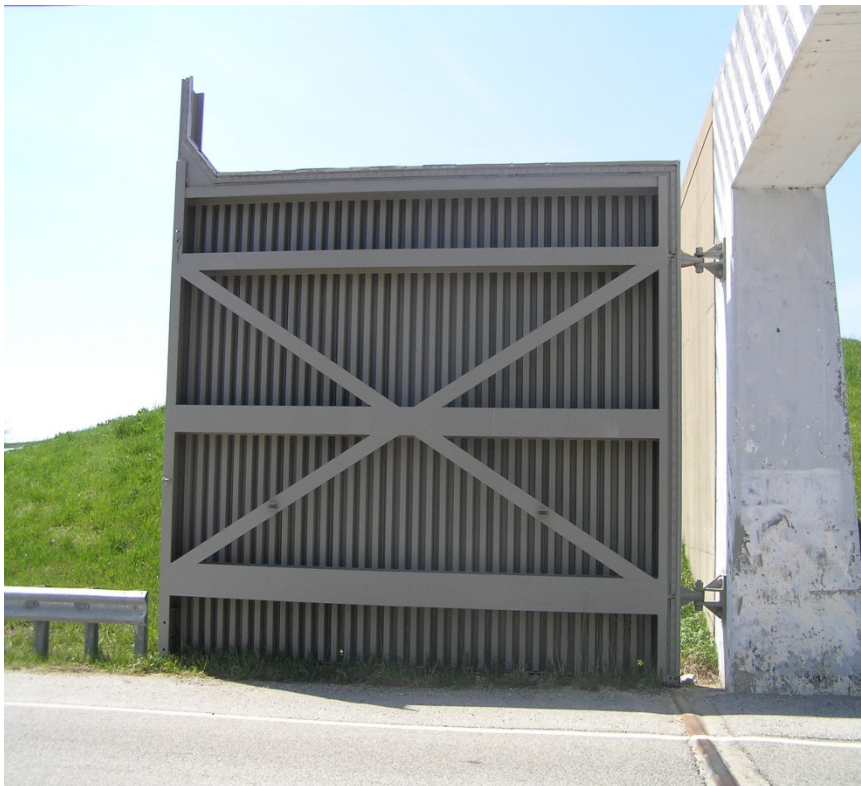


- Program Management
- Field Activities
- Preliminary Design
- Schedule
- Budget
- Look ahead



- Health and Safety
 - No reportable incidents project to date.
- Weekly calls with the USACE (and periodic meetings) to coordinate and share information
 - Levee teams talking
 - Disciplines
 - Permitting
 - Schedules – developing a merged document
 - Overlap – comparing our 100 yr solutions to the USACE 500 yr
 - Design submittal process

- 99% of Subcontractor Master Service Agreements are executed (relief well testing contracts remain)
- Initial Task Orders executed with all subcontractors



Field activities
 (developing data for both evaluation and design)



	Wood River	MESD	PdP/FL
SPT (LF)	1890	3856	2925
CPT (LF)	7550	6955	6300
SONIC (LF)	910	190*	N/A
% Complete (# of borings)	85% (134) (cut off walls)	80% (202) (berms, deep cut off walls)	100% (155)
Geophysical	Complete	Complete	Complete
ROE	√	Two properties	√

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%+)

Preliminary Design and Evaluation Activities – All Levees



- Water Resources - H&H (AMEC) analysis is complete. Flank levee freeboard, develop break-point between where MS River backwater controls WSE (final freeboard in December for areas controlled by headwater flooding).
- Geotechnical Engineering - Under-seepage analysis continues. Through seepage and stability analysis began. Continued to review boring logs, assign/evaluate laboratory data and review geophysical results.
- Civil Engineering - Continue developing base maps. Field visits for review.
- Wetlands - developed constraint maps for environmental, cultural and wetlands areas.
- Environmental Engineering – WR, MESD, PdP/FL
- Cultural Resources - We are developing a strategy for a path forward.
- Relief well inventory complete.
- Addressing issues identified in the levee evaluation report.

- Wood River – Continue to revise schedule that will reflect the changed scope considering what construction the COE has underway. Critical path elements are cut off walls and flank levee evaluation. We expect to meet the March, 2011 goal for 30% design.
- MESD – Currently the critical path elements are complete Phase I drilling within the berm areas and development of berm footprints:
 - December 22 – complete berm design for the southwest corner of the MESD levee, along both the front levee and the flank levee
 - January 5 - complete berm design for the riverfront levee located several thousand feet north of the first levee
 - Complete berm design for the remaining areas located within MESD
- PdP/FL – A milestone schedule to meet the March, 2011 deadline has been developed.

- Third invoice prepared for Les
- Budget status
 - Program Management \$142,000 spent, 9.6% of budget
 - Preliminary Design \$603,000 spent, 21.0% of budget
 - Preliminary Construction \$917,000 spent, 18.6% 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.

Issues & Concerns



- Weather – grace period is over!
- Relief well testing – management of discharge, ongoing. Pricing from contractors, permitting identified
- Review concepts for Wanda Road near railroad, and the need to widen railroad berm and develop an operating agreement for O&M (driven by H&H).
- Potential schedule impacts in MESD
- Cultural resources – strategy, meet with SHPO
- Coordination with the Corps – maximize efforts
- Chair of Rocks and Mel Price

Look Ahead – Wood River



- Continue to coordinate with COE on deficiencies already being addressed.
- Complete Phase I borings.
- Continue cut-off wall analysis for elbow area.
- Identify additional exploration that is needed and begin Phase II work.
- Finalize plan for relief well testing.
- Continue to refine seepage berm locations.
- Review H&H analysis impact on freeboard.

Look Ahead – MESD



- Complete Phase I borings, seepage berms and cut off walls.
- Identify Phase II borings.
- Address environmental issues with contaminated water and soil (investigation derived waste) and identify disposal plan including receiving location for materials.
- Finalize plan for testing/pumping of relief wells prior to capacity testing.
- Refine seepage berm locations.
- Begin analysis of cut off walls.
- Civil: Continue survey work and create base maps and survey strip maps; begin field survey to acquire missing data.

- Collaborate with USACE to stay abreast of potential overlapping/conflicting solutions footprints.
- Water Resources: Evaluate H&H analysis results along flank levee.
- Civil Engineering: Complete base maps, begin incorporating multi-discipline information onto maps.
- Environmental Engineering: No action planned.
- Cultural Resources: Provide SCI report to SHPO for approval. Develop work plan for surveying the remaining 5% of corridor.
- Geotechnical Engineering: Evaluate subsurface data and develop embankment models to evaluate through-seepage. Begin fine-tuning seepage berm footprint.
- Begin Phase II exploration.

QUESTIONS?

