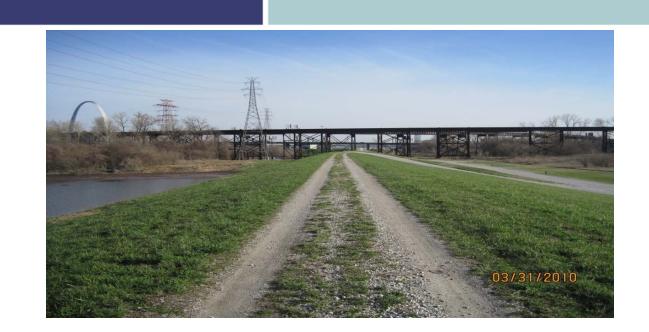


# Progress Report November 16, 2011 SW IL Levee System By Jay Martin







- Design Activities
- 404/401 Permits
- Schedule and Risks



## Design and Construction Documents – On Track

- Berms
- Cut off walls
- Interior drainage
  - -Pump stations
  - -Ditching
- Seepage blankets/toe drains
- Wetlands mitigation
- Utility relocations
- Temporary construction access roads
- Limits of disturbance
- Existing roadway relocation

#### **Permits**



- 404 Draft in QC review
- 401 Draft in QC review
- Discussions continue with both the USACE and IEPA to tailor each application.

## Schedule



Task         Start         End         (s <sup>1</sup> /s <sup>1</sup> /
Work Package 1       12/16/2011       11/1/2013       Image: Construction Construction Doc Prep       12/16/2011       3/24/2012       Image: Construction Construction Doc Prep       12/16/2011       1/14/2012       Image: Construction Construction Doc Prep       12/16/2011       1/12/2012       Image: Construction Construction Doc Prep       12/16/2011       1/12/2012       Image: Construction Construction Doc Prep       12/16/2011       1/12/2012       Image: Construction Construct
USACE Technical Review       12/16/2011       1/14/2012       Image: Construction Doc Prep       12/16/2011       1/21/2012         USACE 408 Final Review & Permission       1/22/2012       2/20/2012       Image: Construction Doc Prep       1/22/2012       Image: Construction Doc Prep       Image: Construction Doc Prep       1/22/2012       Image: Construction Doc Prep       Image: Construction Bid Review / Statu / Review
100% Construction Doc Prep       12/16/2011       1/21/2012       2/20/2012       Image: Construction Doc Prep       1/22/2012       Image: Construction Doc Prep       1/22/2012       Image: Construction Doc Prep       1/22/2012       Image: Construction Doc Prep       1/21/2012       Image: Construction Doc Prep       1/1/2012
USACE 408 Final Review & Permission       1/22/2012       2/20/2012       Image: Construction of the constru
Local Permit Review       1/22/2012       2/20/2012       Image: Construction of the second
Bid       1/22/2012       3/5/2012       Image: Control of the second
Addenda       2/21/2012       3/5/2012       Image: Construction in the second secon
Bid Review/Recommendation       3/6/2012       3/12/2012       I
County Board Approval       3/13/2012       4/11/2012       Image: Council Authorization       3/13/2012       5/11/2012       Image: Council Authorization       5/12/2012       Image: Council Authorization       5/12/2012       Image: Council Authorization       5/12/2012       Image: Council Authorization       5/12/2012       Image: Council Authorization       Image: Council Authorization       5/12/2012       Image: Council Authorization       Image:
Council Authorization       3/13/2012       4/11/2012       Image: Construction in the system of t
Contracting (Award & Notice to Proceed)       4/12/2012       5/11/2012       I
Contracting (Award & Notice to Proceed)       4/12/2012       5/11/2012       I
Work Package 2       12/16/2011       1/24/2014       Image: Construction on the set of the set
USACE Technical Review       12/16/2011       1/14/2012       Image: Construction Doc Prep       1/16/2012       2/29/2012       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep
80% Construction Doc Prep       1/16/2012       2/29/2012       Image: Sign of the system of the s
Land Acquisition       3/1/2012       5/29/2012       Image: Construction Doc Prep       3/1/2012       4/14/2012       Image: Construction Doc Prep       3/1/2012       4/14/2012       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep       Image: Construction Doc Prep       3/1/2012       Image: Construction Doc Prep       Image: Construction Doc
100% Construction Doc Prep       3/1/2012       4/14/2012       • </td
USACE 408 Final Review & Permission       4/15/2012       5/14/2012 <ul> <li>Image: Constraint of the system of t</li></ul>
Local Permit Review       4/15/2012       5/14/2012       =
Bid         4/15/2012         5/28/2012         Image: Control of the second s
Addenda 5/15/2012 5/28/2012
Bid Review/Recommendation 5/29/2012 6/4/2012
County Board Approval 6/5/2012 7/4/2012
Council Authorization 6/5/2012 7/4/2012
Contracting (Award & Notice to Proceed) 7/5/2012 8/3/2012
Construction 8/4/2012 1/24/2014
Work Package 3 12/16/2011 2/1/2014
USACE Technical Review 12/16/2011 1/14/2012
Construction Documents 3/9/2012 4/22/2012
Land Acquisition 4/1/2012 6/29/2012
USACE 408 Final Review & Permission 4/23/2012 5/22/2012 = 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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USACE Technical Review 12/16/2011 1/14/2012

#### Schedule



						2012				2013				2014			2015			
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Land Acquisition	5/25/2012	8/22/2012			-	-														1
USACE 408 Final Review & Permission	6/16/2012	7/15/2012																		
Local Permit Review	6/16/2012	7/15/2012																		
Construction	10/5/2012	3/27/2014									-									1
Work Package 5	12/16/2011	5/20/2014											-							
USACE Technical Review	12/16/2011	1/14/2012		-																
Construction Documents	6/25/2012	8/8/2012																		1
Land Acquisition	7/18/2012	10/15/2012					-													1
USACE 408 Final Review & Permission	8/9/2012	9/7/2012				-														
Local Permit Review	8/9/2012	9/7/2012				-														
Construction	11/28/2012	5/20/2014					-													1
Work Package 6	12/16/2011	7/12/2014					_							-						1
USACE Technical Review	12/16/2011	1/14/2012																		
Construction Documents	8/17/2012	9/30/2012																		1
Land Acquisition	9/9/2012	12/7/2012																		
USACE 408 Final Review & Permission	10/1/2012	10/30/2012					-													
Local Permit Review	10/1/2012	10/30/2012					-													1
Construction	1/20/2013	7/12/2014												-						1
Work Package 7	12/16/2011	11/28/2014					-													1
USACE Technical Review	12/16/2011	1/14/2012		-																
Design Build RFP Prep	10/5/2012	11/18/2012					-													1
Land Acquisition	11/19/2012	2/16/2013					-	_												1
USACE 408 Final Review & Permission	2/17/2013	3/18/2013						-												l l
Local Permit Review	2/17/2013	3/18/2013						-												
Construction	6/8/2013	11/28/2014								-			_	_	_					1
Work Package 8	12/16/2011	10/12/2014								-					-					l l
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Construction Documents	11/17/2012	12/31/2012					-													
Land Acquisition	12/10/2012	3/9/2013						_												
USACE 408 Final Review & Permission	1/1/2013	1/30/2013						-												
Local Permit Review	1/1/2013	1/30/2013						-												
Construction	4/22/2013	10/12/2014									-		_	_						1

Figure x Project Schedule

## Schedule



				2012				2013					2014				2015			
Task	Start	End	6	RA O	6 <sup>7</sup> 8	ER? O	£?/6	IRA O	R1	ER?	£^2	RA O	R1/0	.R2 0	£2/0	RA O	(R) 6	R2 0	£76	R.A.
Work Package 1	12/16/2011	11/1/2013	-	-						-										
404/401 Permit	12/16/2011	3/24/2012																		
USACE Technical Review	12/16/2011	1/14/2012																		
100% Construction Doc Prep	12/16/2011	1/21/2012		-																
USACE 408 Final Review & Permission	1/22/2012	2/20/2012		-																
Local Permit Review	1/22/2012	2/20/2012		-																
Bid	1/22/2012	3/5/2012																		
Addenda	2/21/2012	3/5/2012		-																
Bid Review/Recommendation	3/6/2012	3/12/2012																		
County Board Approval	3/13/2012	4/11/2012																		
Council Authorization	3/13/2012	4/11/2012			-															
Contracting (Award & Notice to Proceed)	4/12/2012	5/11/2012			-															
Construction	5/12/2012	11/1/2013																		



- WP-1 Gravity Drain Rehab & Gravel Filter Rehab (WR & MESD)
- WP-2 Pump Stations (WR, MESD & PdP/FL)
- WP-3 Relief Wells, Berm, Graded Filter & Toe Drain (WR)
- WP-4 Clay Blanket, Graded Filter & Toe Drain (MESD)
- WP-5 Relief Wells, Clay Blanket, Graded Filter & Toe Drain (MESD)
- WP-6 Relief Wells & Berm (PdP/FL)
- WP-7 Cutoff Walls (WR)
- WP-8 Wetland Mitigation (offsite)

## **Major Risks**



- 408 Process with the USACE
  - 1.) Recent meetings
    - -Berms/RW/Clay caps Last Wednesday
    - -Cut off walls/Graded filters Yesterday
    - -Structural/H&H This afternoon
  - 2.) Technical Review calculations with 60%
  - Official submittal Technical, plus other elements submitted at 100% (District doesn't have final say). Additional technical reviews maybe dictated by USACE
- 404, 401 Permitting
  - Dependent on Corps and IL review time
  - Public hearings?
- Mel Price and Chain of Rocks FEMA certification

## **Questions?**



