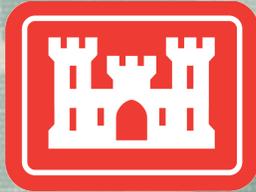


Miter Gate Lay Down Process

11 February 2015

Aaron D. Dunlop, P.E.

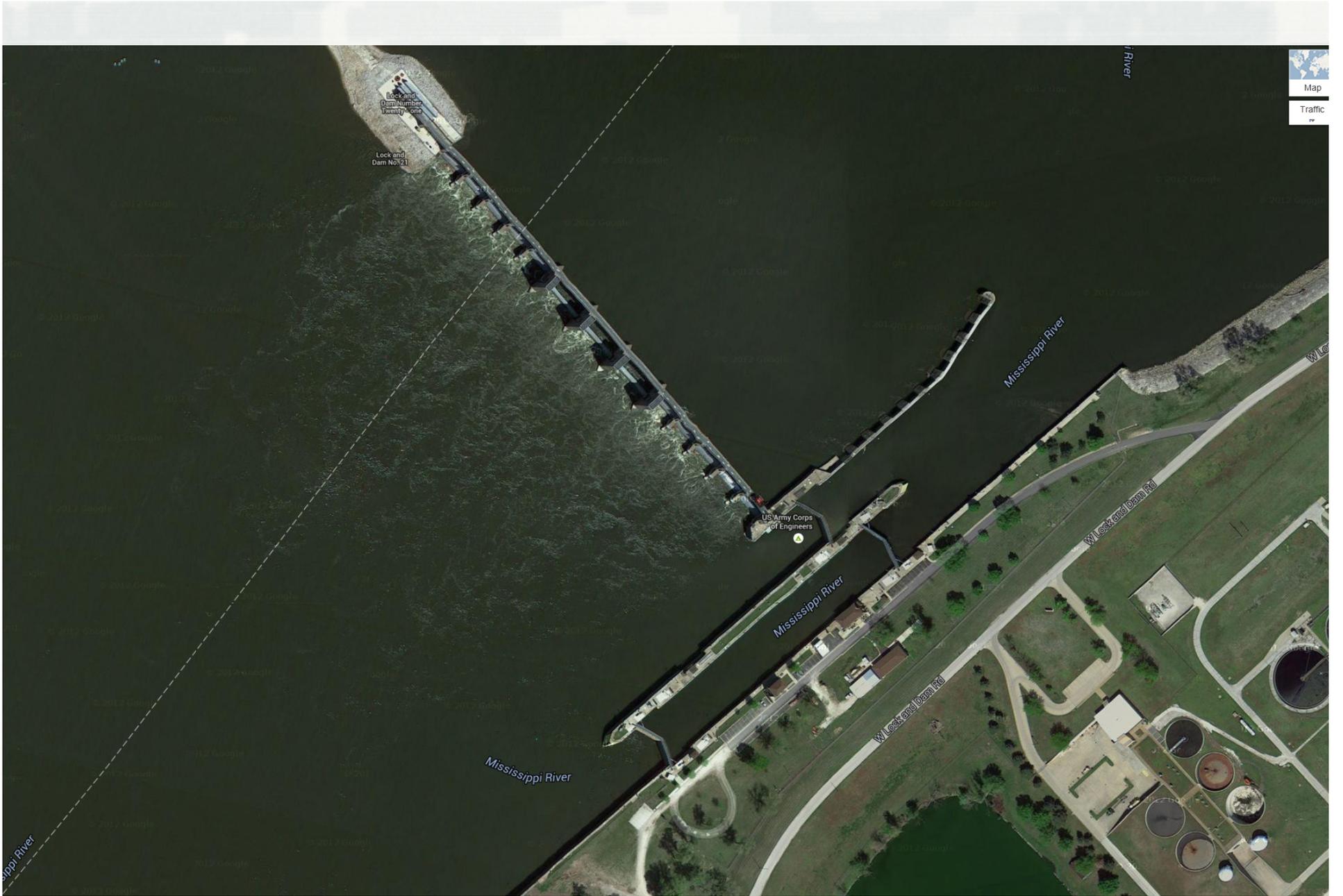
Chief, Maintenance Section



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Miter Gates - Info	Good, Fair, or Poor (G, F, or P)		
	Height	of	Gate
Lock No.	Main Lock (U.S)	Main Lock (D.S)	Aux Lock
11	25	30	30
condition (G, F, or P)	G	G	P
new or old stress bars	New	New	Old
12	25	30	30
condition (G, F, or P)	F	F	P
new or old stress bars	OLD	OLD	OLD
13	25	30	30
condition (G, F, or P)	F	F	P
new or old stress bars	old	new	old
14	23	27	NA
condition (G, F, or P)	P	P	
new or old stress bars	old	old	
15	31.75	31.75	31.75
condition (G, F, or P)	P	P	P
new or old stress bars	New	New	New
16	23	27	25
condition (G, F, or P)	#2 F, #4 P	F	P
new or old stress bars	Old	Old	Old
17	25	30	27
condition (G, F, or P)	G	G	F
new or old stress bars	old	old	old
18	23	30	23
condition (G, F, or P)	G	G	G
new or old stress bars	New	New	Old
19	NA	NA	NA
20	20	27	27
condition (G, F, or P)	G	G	F
new or old stress bars	New	New	Old
21	27	33	33
condition (G, F, or P)	G	G	P
new or old stress bars	New	New	Old
22	27	33	30
condition (G, F, or P)	G	G	P
new or old stress bars	NEW	NEW	OLD

MVR
Aux Summary - Need

23' - 1 set
 25' - 1 set
 27' - 2 sets
 30' - 4 sets
 33' - 1 set

Main Summary - Exist

23' - 3 sets (-2)
 25' - 4 sets (-3)
 27' - 3 sets (-1)
 30' - 5 sets (-1)
 33' - 1 set (0)

highlight = dispose of old gates

Based on this, our plan would be to take gates from 22, lay them down at LD 21 and 20 respective. Then move to LD 18 place the 30' gates in the scaffold barge for repair, lay the 23' gates down at LD 18. then move to LD 17, dispose of the 25' gates and place the 30' gates on a barge for transportation back to the service base. Then we would have 2 sets (4 leaves) of 30' gates here at the base to begin rehabbing for installation at LD 11-13 as deemed by critical need.



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Project Summary

Laydown Schedule:

Miter Gates Laid Down in FY 14: (2) LD 21, (2) LD 20, and (2) LD 18

Miter Gates Laid Down in FY 15: (2) LD 22

Miter Gates Laid Down in FY 16: (2) LD 11, (2) LD 16

Miter Gates Laid Down in FY 17: (2) LD 17

Laydown Activity:

Job Duration One Day per Site

Estimated Cost: \$20K (Crew – 20 Persons, Plant – Towboats, Heavy Lift Crane)

Lifting Beam: \$35K

Lifting Beam Working Load Limit: 170 Tons

Project Planning to Execution: First Iteration – 6 Months



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