

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. RAM Construction		2. Marra Services		**3. Workman Industrial Serv.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	CONTRACT PERFORMANCE BOND	1	LS	\$5,000.00	\$5,000.00	\$ 5,500.00	\$5,500.00	\$2,700.00	\$2,700.00	\$4,420.00	\$4,420.00
2	620	FURNISHING A VEHICLE	1	LS	\$4,800.00	\$4,800.00	\$ 6,875.00	\$6,875.00	\$2,900.00	\$2,900.00	\$1,080.00	\$1,080.00
3	624	MOBILIZATION	1	LS	\$10,000.00	\$10,000.00	\$ 35,000.00	\$35,000.00	\$12,000.00	\$12,000.00	\$3,100.00	\$3,100.00
<b>MOGADORE RESERVOIR</b>												
4	601	RIP RAP, AS PER PLAN	138	SY	\$250.00	\$34,500.00	\$230.00	\$31,740.00	\$350.00	\$48,300.00	\$330.00	\$45,540.00
5	659	WEED CONTROL AFTER SUB-FINAL ACCEPTANCE	3600	SY	\$0.30	\$1,080.00	\$3.00	\$10,800.00	\$2.00	\$7,200.00	\$0.69	\$2,484.00
<b>LAKE ROCKWELL DAM</b>												
6	512	CONCRETE REPAIR BY EPOXY INJECTION	175	LF	\$100.00	\$17,500.00	\$75.00	\$13,125.00	\$55.00	\$9,625.00	\$26.00	\$4,550.00
7	519	PATCHING CONCRETE STRUCTURE	750	SF	\$130.00	\$97,500.00	\$70.00	\$52,500.00	\$43.00	\$32,250.00	\$126.00	\$94,500.00
8	526	FILL FORM TIE HOLES WITH POLYURETHANE JOINT SEALANT	46	EACH	\$30.00	\$1,380.00	\$76.00	\$3,496.00	\$200.00	\$9,200.00	\$23.00	\$1,058.00
<b>LADUE RESERVOIR</b>												
9	526	POLYURETHANE JOINT SEALANT	1,800	LF	\$10.00	\$18,000.00	\$6.00	\$10,800.00	\$8.00	\$14,400.00	\$8.00	\$14,400.00
<b>EAST BRANCH RESERVOIR</b>												
10	203	GRADING, AS PER PLAN	267	SY	\$15.00	\$4,005.00	\$14.00	\$3,738.00	\$31.00	\$8,277.00	\$11.00	\$2,937.00
11	512	SEALING OF CONCRETE SURFACES (NON-EPOXY)	200	SY	\$20.00	\$4,000.00	\$9.00	\$1,800.00	\$20.00	\$4,000.00	\$8.00	\$1,600.00
12	519	PATCHING CONCRETE STRUCTURE	40	SF	\$130.00	\$5,200.00	\$90.00	\$3,600.00	\$90.00	\$3,600.00	\$142.50	\$5,700.00
13	519	CONCRETE REMOVAL AND PATCHING OR REBUILDING	200	SF	\$45.00	\$9,000.00	\$100.00	\$20,000.00	\$75.00	\$15,000.00	\$184.00	\$36,800.00
14	526	POLYURETHANE JOINT SEALANT	200	LF	\$10.00	\$2,000.00	\$6.00	\$1,200.00	\$30.00	\$6,000.00	\$8.00	\$1,600.00
15	564	6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN	800	LF	\$12.00	\$9,600.00	\$14.00	\$11,200.00	\$35.00	\$28,000.00	\$22.00	\$17,600.00
16	601	RIP RAP, AS PER PLAN	155	SY	\$250.00	\$38,750.00	\$210.00	\$32,550.00	\$300.00	\$46,500.00	\$330.00	\$51,150.00
<b>ALTERNATE #1</b>												
ALT #1	203	EMBANKMENT, AS PER PLAN	500	CY	\$7.50	\$3,750.00	\$20.00	\$10,000.00	\$50.00	\$25,000.00	\$33.00	\$16,500.00
<b>ALTERNATE #2</b>												
ALT #2	304	AGGREGATE BASE	400	CY	\$60.00	\$24,000.00	\$65.00	\$26,000.00	\$60.00	\$24,000.00	\$50.00	\$20,000.00
<b>ALTERNATE #3</b>												
ALT #3	552	12" STORM SEWER, TYPE A, CLASS B BEDDING PER	60	LF	\$75.00	\$4,500.00	\$67.00	\$4,020.00	\$160.00	\$9,600.00	\$80.00	\$4,800.00
TOTAL CONSTRUCTION COSTS						\$262,315.00		\$243,924.00		\$249,952.00		\$284,099.00
+/- ENGINEER'S ESTIMATE								-7.0%		-4.7%		+8.3%

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*1. RAM Construction PRICE	*1. RAM Construction AMOUNT	2. Marra Services PRICE	2. Marra Services AMOUNT	**3. Workman Industrial Serv. PRICE	**3. Workman Industrial Serv. AMOUNT
<b><u>ALTERNATE #1</u></b>												
TOTAL CONSTRUCTION COSTS						\$3,750.00		\$10,000.00		\$25,000.00		\$16,500.00
+/- ENGINEER'S ESTIMATE									+166.7%		+566.7%	+340.0%
<b><u>ALTERNATE #2</u></b>												
TOTAL CONSTRUCTION COSTS						\$24,000.00		\$26,000.00		\$24,000.00		\$20,000.00
+/- ENGINEER'S ESTIMATE									+8.3%		+0.0%	-16.7%
<b><u>ALTERNATE #3</u></b>												
TOTAL CONSTRUCTION COSTS						\$4,500.00		\$4,020.00		\$9,600.00		\$4,800.00
+/- ENGINEER'S ESTIMATE									-10.7%		+113.3%	+6.7%

\*Entire Bid Book not submitted; Unofficial Construction Cost left blank.

\*\*Reference No. ALT 3 - Correction is not initialed or dated; Unofficial Construction Cost left blank.

ESTIMATE OF PROJECT COSTS  
**PROJECT: SPILLWAY IMPROVEMENTS** June 7, 2013  
 CODE NUMBER: 6002-100050  
 FILE NUMBER: 2012-009-00  
 BID DATE: 07/17/2013

Engineer's Estimate of cost to repair miscellaneous structural deficiencies at various spillways, dikes, and dams at the Akron Water Plant source intake structures.

REF.	ITEM	DESCRIPTION	QUAN	UNITS	PRICE	AMOUNT	SPLIT	COMMON ITEMS	WCF	CITY SCF	SLA	OE	UTILITIES AT&T	TWC	CITY SPECIAL	FULL DEPTH RECONSTR.
103.05		CONTRACT PERFORMANCE BOND	1	LS	\$5,000.00	\$5,000.00										
620		FURNISHING A VEHICLE	1	LS	\$4,800.00	\$4,800.00										
624		MOBILIZATION	1	LS	\$10,000.00	\$10,000.00										
<b>MOGADORE RESERVOIR</b>																
601		RIP RAP, AS PER PLAN	138	SY	\$250.00	\$34,500.00										
659		WEED CONTROL AFTER SUB-FINAL ACCEPTANCE	3600	SY	\$0.30	\$1,080.00										
<b>LAKE ROCKWELL DAM</b>																
512		CONCRETE REPAIR BY EPOXY INJECTION	175	LF	\$100.00	\$17,500.00										
519		PATCHING CONCRETE STRUCTURE	750	SF	\$130.00	\$97,500.00										
526		FILL FORM TIE HOLES WITH POLYURETHANE JOINT SEALANT	46	EACH	\$30.00	\$1,380.00										
<b>LADUE RESERVOIR</b>																
526		POLYURETHANE JOINT SEALANT	1,800	LF	\$10.00	\$18,000.00										
<b>EAST BRANCH RESERVOIR</b>																
202		GRADING, AS PER PLAN	267	SY	\$15.00	\$4,005.00										
512		SEALING OF CONCRETE SURFACES (NON-EPOXY)	200	SY	\$20.00	\$4,000.00										
519		PATCHING CONCRETE STRUCTURE	40	SF	\$130.00	\$5,200.00										
519		CONCRETE REMOVAL AND PATCHING OR REBUILDING	200	SF	\$45.00	\$9,000.00										
526		POLYURETHANE JOINT SEALANT	200	LF	\$10.00	\$2,000.00										
564		6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN	800	LF	\$12.00	\$9,600.00										
601		RIP RAP, AS PER PLAN	155	SY	\$250.00	\$38,750.00										
		TOTAL ESTIMATED CONSTRUCTION COST				\$262,315.00			#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
<b>ALTERNATE BID ITEMS</b>																
ALT #1	203	EMBANKMENT, AS PER PLAN	500	CY	\$7.50	\$3,750.00										
ALT #2	304	AGGREGATE BASE	400	CY	\$60.00	\$24,000.00										
ALT #3	552	12" STORM SEWER, TYPE A, CLASS B BEDDING PER 708.02	60	LF	\$75.00	\$4,500.00										
		TOTAL ESTIMATED CONSTRUCTION COST INCLUDING ALTERNATES				\$294,565.00			#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

**PROPERTY'S PORTION**

1995 RATE SCHEDULE OF ASSESSMENTS

Paving	0.00 L.F.	\$26.50	\$0.00
Charitable Use	0.00 L.F.	\$13.25	\$0.00
Sidewalks	0.00 L.F.	\$13.50	\$0.00
Curbs	0.00 L.F.	\$10.75	\$0.00
Drive Approaches	0 S.F.	\$1.90	\$0.00
Drain Pipe	0 Each	\$20.00	\$0.00
Storm Sewer	0.00 L.F.	\$22.00	\$0.00
Storm Laterals	0 EACH	\$50.00	\$0.00
Sanitary Sewer	0.00 L.F.	\$22.00	\$0.00
Sanitary House Laterals	0 Each	\$50.00	\$0.00
Water Mains	0.00 L.F.	\$24.00	\$0.00
Water Mains (over 53.04(k))	0.00 L.F.	\$10.50	\$0.00
Water Service Connections	0 Each	\$50.00	\$0.00
Resurfacing			
Residential	0.00 L.F.	\$6.65	\$0.00
Aerial Collector	0.00 L.F.	\$7.00	\$0.00
Residential Use	0.00 L.F.	\$3.50	\$0.00
Charitable Use	0.00 L.F.	\$3.50	\$0.00
Full Depth Reconstruction	#REF!	50%	#REF!
Total Estimated Property's Portion			#REF!

**AKRON FUNDING SOURCES**

**WATER CAPITAL FUND**

Estimated Construction Cost	\$0.00
Engineering and Inspection (20%)	\$0.00
Direct Purchase of Water Main by DBE	#REF!
Total Water Capital Fund	#REF!

**SEWER CAPITAL FUND**

Estimated Construction Cost	\$0.00
Engineering and Inspection (20%)	\$0.00
Less Assessments for Sanitary Sewers	\$0.00
Less Assessments for Sanitary Laterals	\$0.00
Total Sewer Capital Fund	\$0.00

**STREET LIGHT FUND**

Estimated Construction Cost	\$0.00
Engineering and Inspection (20%)	\$0.00
Total Street Light Fund	\$0.00

**PROJECT COST SUMMARY**

Total Estimated Construction Cost	\$3,750.00
Contingency @ 5%	\$187.50
Consultant Design	\$350,000.00
Engineering - Design	\$44,220.00
Direct Purchase (Turbidity Meters, iFix Software)	\$164,359.00
Construction - Inspection @ 10%	\$393.75
Advertising	\$1,500.00
Total Estimated Project Cost	\$564,410.25

**SUMMARY OF FUNDING SOURCES**

City of Akron	
Water Capital Fund	\$564,410.25

Total Estimated Project Cost	\$564,410.25
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**BIDDING SCHEDULE FOR: SPILLWAY IMPROVEMENTS**

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

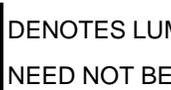
The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
1	103.05	CONTRACT PERFORMANCE BOND	1	LS		
2	620	FURNISHING A VEHICLE	1	LS		
3	624	MOBILIZATION	1	LS		
<b>MOGADORE RESERVOIR</b>						
4	601	RIP RAP, AS PER PLAN	138	SY		
5	659	WEED CONTROL AFTER SUB-FINAL ACCEPTANCE	3600	SY		
<b>LAKE ROCKWELL DAM</b>						
6	512	CONCRETE REPAIR BY EPOXY INJECTION	175	LF		
7	519	PATCHING CONCRETE STRUCTURE	750	SF		
8	526	FILL FORM TIE HOLES WITH POLYURETHANE JOINT SEALANT	46	EACH		
<b>LADUE RESERVOIR</b>						
9	526	POLYURETHANE JOINT SEALANT	1,800	LF		
<b>EAST BRANCH RESERVOIR</b>						
10	203	GRADING, AS PER PLAN	267	SY		
11	512	SEALING OF CONCRETE SURFACES (NON-EPOXY)	200	SY		
12	519	PATCHING CONCRETE STRUCTURE	40	SF		
13	519	CONCRETE REMOVAL AND PATCHING OR REBUILDING	200	SF		

**BIDDING SCHEDULE FOR: SPILLWAY IMPROVEMENTS**

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
14	526	POLYURETHANE JOINT SEALANT	200	LF		
15	564	6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN	800	LF		
16	601	RIP RAP, AS PER PLAN	155	SY		
<b>UNOFFICIAL CONSTRUCTION COST :</b>						
<b>ALTERNATE #1</b>						
ALT 1	203	EMBANKMENT, AS PER PLAN	500	CY		
<b>UNOFFICIAL CONSTRUCTION COST ALT. #1</b>						
<b>ALTERNATE #2</b>						
ALT 2	304	AGGREGATE BASE	400	CY		
<b>UNOFFICIAL CONSTRUCTION COST ALT. #2</b>						
<b>ALTERNATE #3</b>						
ALT 3	552	12" STORM SEWER, TYPE A, CLASS B BEDDING PER 706.02	60	LF		
<b>UNOFFICIAL CONSTRUCTION COST ALT. #3</b>						
<b>PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.</b>						

 DENOTES LUMP SUM - UNIT PRICE  
 NEED NOT BE COMPLETED

**BIDDING SCHEDULE CONTINUED ON NEXT PAGE**

**CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE**

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
 DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 CODE \_\_\_\_\_  
 FINANCE DEPT. NO. \_\_\_\_\_

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE**

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
 DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 CODE \_\_\_\_\_  
 FINANCE DEPT. NO. \_\_\_\_\_

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE**

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
 DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 CODE \_\_\_\_\_  
 FINANCE DEPT. NO. \_\_\_\_\_

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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This is to certify that the work as listed above has been completed in accordance with the contract documents, that all items are paid for which previous certificates for payment were issued and payments received, and that the current payment is now due.

TOTAL COMPLETED TO DATE \_\_\_\_\_  
 STORED MATERIALS \_\_\_\_\_  
 TOTAL COMPLETED & STORED \_\_\_\_\_  
 LESS \_\_\_\_\_ RETAINAGE \_\_\_\_\_  
 TOTAL EARNED LESS RETAINAGE \_\_\_\_\_  
 LESS PREVIOUS PAYMENTS \_\_\_\_\_  
 LESS ADDITIONAL DEDUCTIONS \_\_\_\_\_  
 CURRENT PAYMENT DUE \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
CONSTRUCTION ENGINEER

CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING  
ENGINEER'S ESTIMATE

ESTIMATE NO. \_\_\_\_\_ PROJECT \_\_\_\_\_  
DATE \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
CODE \_\_\_\_\_  
FINANCE DEPT. NO. \_\_\_\_\_

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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DATE: \_\_\_\_\_

PAYROLLS REVIEWED/QUANTITIES CHECKED BY:

\_\_\_\_\_  
PROJECT MANAGER

APPROVED: \_\_\_\_\_

CITY ENGINEER

DATE: \_\_\_\_\_