

**McAlpine Creek WWMF - Phase II Reliability Improvements - Primary Treatment Improvements and Effluent Filter Rehabilitation**

Contract S - Single Prime Contractor

Charlotte-Mecklenburg Utilities

Bid Tabulation

Bids Submitted 2/8/2005

		Contractor	Crowder Construction Co.	Haren Construction Co., Inc.	State Utility Contractors, Inc.	Pizzagalli Construction Co.
		License #	2104	7770	17793	6142
		Surety	Unclass./Unlimit. Liberty Mutual Insurance Co.	Unclass./Unlimit. Marsh USA, Inc.	Unclass./Unlimit. Hartford Accident & Indemnity Co.	Building-Public Utilities/Unlimited St. Paul Travelers (Travelers Casualty and Surety Co. of America) and Chubb Group
Lump Sum Item Description		Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	
P.	Cash Allowance for Building, Electrical, and Mechanical Permits	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	
T.	Cash Allowance for Filter Pilot Testing	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	
A.	PCS No. 1 - Primary Clarifiers and Primary Sludge Pumping Station (not including A.1)	\$4,600,000.00	\$4,325,000.00	\$6,403,925.00	\$4,502,000.00	
	A.1. Odor Control Cover (Material and Installation) (Total for two)	\$1,200,000.00	\$1,000,000.00	\$842,000.00	\$900,000.00	
B.	PCS No. 2 - Gravity Thickener Modifications (not including B.1 or Unit Price Items)	\$300,000.00	\$163,000.00	\$311,000.00	\$330,000.00	
	B.1 Odor Control Cover (Material and Installation) (Total for two)	\$450,000.00	\$200,000.00	\$251,000.00	\$300,000.00	
C.	PCS No. 3 - Primary Clarifier Rehabilitation (not including C.1 or Unit Price Items)	\$1,800,000.00	\$2,711,000.00	\$2,366,000.00	\$4,195,880.00	
	C.1. Odor Control Cover (Material and Installation) (Total for six)	\$2,300,000.00	\$2,800,000.00	\$2,441,000.00	\$2,550,000.00	
D.	PCS No. 4 - Effluent Filter Rehabilitation (not including D.1, D.2, or D.3)	\$1,400,000.00	\$2,068,000.00	\$1,697,000.00	\$1,480,000.00	
	D.1 Underdrains (material and installation) (total for 10 filters)	\$400,000.00	\$300,000.00	\$274,000.00	\$350,000.00	
	D.2 Media Removal and Replacement (material and installation) (total for 10 filters)	\$500,000.00	\$600,000.00	\$459,000.00	\$575,000.00	
	D.3 Backwash troughs (material and installation) (total for 10 filters)	\$250,000.00	\$225,000.00	\$419,000.00	\$475,000.00	
E.	PCS No. 5 - North Plant Odor Control System	\$2,400,000.00	\$1,671,000.00	\$1,383,000.00	\$2,065,000.00	
F.	BID FOR LUMP SUM ITEMS	<b>\$15,670,000.00</b>	<b>\$16,133,000.00</b>	<b>\$16,916,925.00</b>	<b>\$17,792,880.00</b>	

	Unit Price Items	Unit	Estimated Quantity	Unit Price	Subtotal Amount	Unit Price	Subtotal Amount	Unit Price	Subtotal Amount	Unit Price	Subtotal Amount
G	Gravity Thickener Concrete Repair										
	1. Surface Preparation	SF	9,500	\$0.80	\$7,600.00	\$1.35	\$12,825.00	\$1.80	\$17,100.00	\$1.20	\$11,400.00
	2. Surface Repair (Shotcrete)	SF	6,000	\$8.50	\$51,000.00	\$12.00	\$72,000.00	\$10.05	\$60,300.00	\$10.90	\$65,400.00
	3. Surface Repair (Mortar)	SF	1,300	\$9.50	\$12,350.00	\$14.50	\$18,850.00	\$39.50	\$51,350.00	\$13.20	\$17,160.00
	4. Surface Coating (Spray-applied Lining)	SF	2,800	\$5.30	\$14,840.00	\$4.60	\$12,880.00	\$8.00	\$22,400.00	\$4.20	\$11,760.00
	5. Floor Grout Removal and Replacement	SF	3,200	\$3.10	\$9,920.00	\$4.00	\$12,800.00	\$4.00	\$12,800.00	\$2.50	\$8,000.00
H.	South Plant Primary Clarifier Concrete Repair										
	1. Surface Preparation	SF	84,800	\$0.70	\$59,360.00	\$1.35	\$114,480.00	\$1.70	\$144,160.00	\$1.20	\$101,760.00
	2. Surface Repair (Shotcrete)	SF	32,500	\$8.60	\$279,500.00	\$12.00	\$390,000.00	\$9.00	\$292,500.00	\$10.90	\$354,250.00
	3. Surface Repair (Mortar)	SF	4,500	\$9.20	\$41,400.00	\$14.50	\$65,250.00	\$36.00	\$162,000.00	\$13.20	\$59,400.00
	4. Surface Coating (Spray-applied Lining)	SF	21,200	\$5.30	\$112,360.00	\$4.60	\$97,520.00	\$7.25	\$153,700.00	\$4.20	\$89,040.00
I.	North Plant Primary Clarifier Concrete Repair										
	1. Surface Preparation	SF	44,300	\$0.70	\$31,010.00	\$1.35	\$59,805.00	\$1.70	\$75,310.00	\$1.20	\$53,160.00
	2. Surface Repair (Shotcrete)	SF	16,100	\$8.60	\$138,460.00	\$12.00	\$193,200.00	\$8.75	\$140,875.00	\$10.90	\$175,490.00
	3. Surface Repair (Mortar)	SF	1,100	\$9.50	\$10,450.00	\$14.50	\$15,950.00	\$36.00	\$39,600.00	\$13.20	\$14,520.00
	4. Surface Coating (Spray-applied Lining)	SF	10,900	\$5.30	\$57,770.00	\$4.60	\$50,140.00	\$7.25	\$79,025.00	\$4.20	\$45,780.00
	5. Floor Grout Removal and Replacement	SF	26,600	\$1.40	\$37,240.00	\$4.00	\$106,400.00	\$2.50	\$66,500.00	\$2.00	\$53,200.00
J.	South Plant Primary Influent/Effluent Manholes Concrete Repair										
	1. Surface Preparation	SF	5,600	\$1.50	\$8,400.00	\$1.35	\$7,560.00	\$2.00	\$11,200.00	\$1.20	\$6,720.00
	2. Surface Repair (Shotcrete)	SF	800	\$20.90	\$16,720.00	\$12.00	\$9,600.00	\$11.00	\$8,800.00	\$10.90	\$8,720.00
	3. Surface Repair (Mortar)	SF	500	\$18.70	\$9,350.00	\$14.50	\$7,250.00	\$45.00	\$22,500.00	\$13.20	\$6,600.00
	4. Surface Coating (Spray-applied Lining)	SF	5,600	\$5.30	\$29,680.00	\$4.60	\$25,760.00	\$8.50	\$47,600.00	\$4.20	\$23,520.00
K.	North Plant Primary Influent/Effluent Manholes Concrete Repair										
	1. Surface Preparation	SF	2,300	\$1.50	\$3,450.00	\$1.35	\$3,105.00	\$2.10	\$4,830.00	\$1.20	\$2,760.00
	2. Surface Repair (Shotcrete)	SF	200	\$20.90	\$4,180.00	\$12.00	\$2,400.00	\$12.00	\$2,400.00	\$10.90	\$2,180.00
	3. Surface Repair (Mortar)	SF	200	\$18.70	\$3,740.00	\$14.50	\$2,900.00	\$45.00	\$9,000.00	\$13.20	\$2,640.00
	4. Surface Coating (Spray-applied Lining)	SF	2,300	\$5.30	\$12,190.00	\$4.60	\$10,580.00	\$8.75	\$20,125.00	\$4.20	\$9,660.00
L.	Bid for Unit Price Items (G.1+G.2+G.3+G.4+G.5+H.1+H.2+H.3+H.4+I.1+I.2+I.3+I.4 +I.5+J.1+J.2+J.3+J.4+K.1+K.2+K.3+K.4										
					<b>\$950,970.00</b>		<b>\$1,291,255.00</b>		<b>\$1,444,075.00</b>		<b>\$1,123,120.00</b>
M.	BID FOR PROJECT. SUM OF LUMP SUM ITEMS AND UNIT PRICE ITEMS (F+L)										
					\$16,620,970.00		\$17,424,255.00		\$18,361,000.00		\$18,916,000.00
N.	Contingency Allowance: 5% of Bid for Project (0.05*M)										
					\$831,049.00		\$871,212.75		\$918,050.00		\$945,800.00
O.	<b>TOTAL BID FOR PROJECT (M+N)</b>										
					<b>\$17,452,019.00</b>		<b>\$18,295,467.75</b>		<b>\$19,279,050.00</b>		<b>\$19,861,800.00</b>

<b>Subcontractors</b>				
Electrical	Crowder Construction	Energy Erectors	Energy Erectors, Inc.	Sanders Brothers Inc.
Mechanical/HVAC	Climate Systems	Climate Systems, Inc.	Climate Systems, Inc.	Climate Systems Inc.
Concrete Restoration	Carolina Coating Solutions	Western Waterproofing	Strickland Waterproofing	Western Waterproofing
<b>Major Equipment Suppliers</b>				
Pumping Equipment: Vertical Sump	Fybroc	Fybroc	Fybroc	Fybroc
Pumping Equipment: Progressing Cavity	Moyno	Moyno	Netzsch	Netzsch
Magnetic Drive Sealless End Suction	Fybroc	Fybroc	Fybroc	Fybroc
Submersible Non-Clog	Flygt	Flygt	Flygt	Flygt
Sludge Grinders	JWC Environmental	JWC Environmental	JWC Environmental	JWC Environmental
Circular Clarifier Equipment	Envirodyne	Envirodyne	Envirodyne	Envirodyne
Metering	Milton Roy	Milton Roy	Milton Roy	Milton Roy
Odor Control System: North Plant	EST	Dual	Dual	Dual
Effluent Filter Rehabilitation and Media Ins.	Roberts Filter	Leopold	Roberts Filter	Roberts Filter
Primary Clarifier Equip. Mods	Envirodyne	Envirodyne	Envirodyne	Envirodyne
Gravity Thickener Equip. Mods	Envirodyne	Envirodyne	Envirodyne	Envirodyne
Odor Containment Covers: Truss Type	Conservatek	Conservatek	Hallsten	Conservatek
Panelboards	General Electric	Square D	Square D	Cutler-Hammer
Motor Control Equipment	General Electric	Square D	Square D	Cutler-Hammer
Field Instrumentation Integrator	CITI	CITI	CITI	CITI
Primary Elements, Transmitters	Rosemount	Rosemount	Rosemount	Rosemount
PLC Control System	Modicon	Modicon	Modicon	Modicon
Notes:				

This tabulation of bids is certified to be an accurate tabulation of the bids received for the McAlpine Creek Primary Treatment Improvements and Effluent Filter Rehabilitation Project.

**HDR Engineering, Inc. of the Carolinas**

Scott M. Alpert, PE  
Project Manager