

Waukesha Return Flow Pump Station, Advanced Phosphorus and Facilities Enhancements - Addendum No. 1																																									Fee split													
	Senior Project Manager		Senior Technologist (Permitting & GWA Liaison)		Senior Design Manager		Senior Consultants (QA/QC Review)		Senior Technologist (Process Mechanical)		Staff Engineer (Process Mechanical)		Staff Engineer (Process Mechanical)		Project Engineer (I&C)		Associate Engineer (I&C)		Staff Engineer (Civil)		Senior Designer (HVAC & Plumbing)		Staff Engineer (Electrical)		Project Designer (Architect)		Senior Engineer (Structural)		Senior Engineer (Geotechnical)		Staff Cost Estimator		Senior Construction Manager		Staff Construction Inspector		Senior CAD Technician		CAD Technician		Clerical		Project Accountant		Jacobs Labor By Task	Jacobs Hours by Task	Jacobs Expense by Task	TOTAL BY TASK	Pump Station	Phosphorus & Plant				
Task Description	Bill Desing, PE		Brent Brown, PE		Andy Schrank, PE		Varies		Varies		Dustin Maas, PE		Colin Fitzgerald, PE		Darren Lecke		Rahul Shelgaonkar		Jared Wendt, PE		Sam Rizzi, PE		Robert Wood, PE		Richard Siebers, RA		Del Lange, PE		Robert Martin, PE		Kevin Butcher		Alan Jones, PE		Brice Windyg, PE		Varies		Varies		Varies		Tomasz Musial											
Rate - \$/Hr		\$229		\$156		\$197		\$200		\$159		\$123		\$117		\$143		\$90		\$112		\$198		\$130		\$159		\$ 162		\$ 174		\$ 116		\$ 204		\$ 107		\$ 91		\$ 74		\$ 78		\$ 50										
Task 1. Preliminary Design	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees						
Surge system design	8	\$ 1,832		\$ -		\$ -	40	\$ 8,000		\$ -	20	\$ 2,460		\$ -	2	\$ 286	4	\$ 360		\$ -		\$ -	3	\$ 390	8	\$ 1,272	4	\$ 648		\$ -	4	\$ -		\$ -		\$ -	4	\$ 364	8	\$ 592	2	\$ 156		\$ -	\$16,360	107	\$327	\$16,687	\$16,687					
Pumping wet well computational fluid dynamics (CFD)	2	\$ 458		\$ -	4	\$ 788	16	\$ 3,200	80	\$ 12,720	2	\$ 246		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	2	\$ 324		\$ -		\$ -		\$ -		\$ -	8	\$ 592		\$ -		\$ -	\$18,328	114	\$367	\$18,695	\$18,695							
Add electric actuators to four preliminary treatment slide gates		\$ -		\$ -		\$ -		\$ -		\$ -	3	\$ 369		\$ -		\$ -	1	\$ 90		\$ -		\$ -	1	\$ 130		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$589	5	\$12	\$601			\$601					
Primary effluent pumps - new base design		\$ -		\$ -		\$ -		\$ -		\$ -	3	\$ 369		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	6	\$ 972		\$ -		\$ -		\$ -		\$ -	2	\$ 148		\$ -		\$ -	\$1,489	11	\$30	\$1,519			\$1,519					
TASK 1 TOTAL	10	\$ 2,290	0	\$ -	4	\$ 788	56	\$ 11,200	80	\$ 12,720	28	\$ 3,444	0	\$ -	2	\$ 286	5	\$ 450	0	\$ -	0	\$ -	4	\$ 520	8	\$ 1,272	12	\$ 1,944	0	\$ -	4	\$ -	0	\$ -	0	\$ -	0	\$ -	4	\$ 364	18	\$ 1,332	2	\$ 156	0	\$ -	\$36,766	237	\$735	\$37,501	\$35,382	\$2,120		
Task 2. Final Design & Permitting	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees				
Surge system	8	\$ 1,832		\$ -	16	\$ 3,152	12	2400	4	636	40	\$ 4,920		\$ -	4	\$ 572	24	\$ 2,160		\$ -	2	\$ 396	16	\$ 2,080	24	\$ 3,816	24	\$ 3,888		\$ -	8	\$ -		\$ -		\$ -	2	\$ 182	40	\$ 2,960	4	\$ 312		\$ -	\$29,306	224	\$586	\$29,892	\$29,892					
Add electric actuators to four preliminary treatment slide gates	2	\$ 458		\$ -	4	\$ 788		0		0	4	\$ 492		\$ -	2	\$ 286	12	\$ 1,080		\$ -		\$ -	12	\$ 1,560		\$ -		\$ -		\$ -	2	\$ -		\$ -		\$ -	2	\$ 182	8	\$ 592		\$ -		\$ -	\$5,438	52	\$109	\$5,547			\$5,547			
Primary effluent pumps - new base design	2	\$ 458		\$ -	2	\$ 394		0		0	2	\$ 246		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	16	\$ 2,592		\$ -	2	\$ -		\$ -	2	\$ 214	2	\$ 182	8	\$ 592		\$ -		\$ -	\$4,678	36	\$94	\$4,772			\$4,772			
TASK 2 TOTAL	12	\$ 2,748	0	\$ -	22	\$ 4,334	12	2400	4	636	46	\$ 5,658	0	\$ -	6	\$ 858	36	\$ 3,240	0	\$ -	2	\$ 396	28	\$ 3,640	24	\$ 3,816	40	\$ 6,480	0	\$ -	12	\$ -	0	\$ -	2	\$ 214	6	\$ 546	56	\$ 4,144	4	\$ 312	0	\$ -	39422	312	788	\$ 40,210	\$ 29,892	\$ 10,318				
Task 1 & 2 Total																																																	\$ 65,274	\$ 12,438				
Facility percentage split - Tasks 1 &2																																																		84.0%	16.0%			
Task 3. Bid Phase	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees				
Bid Phase Services		\$ -		\$ -		\$ -		0		0		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$0	-	\$0	\$0	\$0.0	\$0.0				
TASK 3 TOTAL	0	\$ -	0	\$ -	0	\$ -	0	0	0	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	\$0	-	\$0	\$0	\$0.0	\$0.0			
Task 4. Services During Construction	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees		
Construction Meetings		\$ -		\$ -		\$ -		0		0		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$0	-	\$0	\$0	\$0.0	\$0.0				
Shop Drawings, Submittals	2	\$ 458		\$ -	8	\$ 1,576	8	1600		0	32	\$ 3,936		\$ -	8	\$ 1,144		\$ -		\$ -		\$ -	8	\$ 1,040	4	\$ 636	8	\$ 1,296		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$11,686	78	\$234	\$11,920	\$10,012	\$1,908				
Requests for Information	2	\$ 458		\$ -	2	\$ 394		0		0	8	\$ 984		\$ -	4	\$ 572	2	\$ 180		\$ -		\$ -	4	\$ 520		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$3,108	22	\$62	\$3,170	\$2,663	\$507				
Change Orders, Field Orders	2	\$ 458		\$ -	8	\$ 1,576	2	400		0	16	\$ 1,968		\$ -	8	\$ 1,144	2	\$ 180		\$ -		\$ -	8	\$ 1,040		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$6,766	46	\$135	\$6,901	\$5,797	\$1,105						
As-Built Record Drawings		\$ -		\$ -	4	\$ 788		0		0	8	\$ 984		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	4	\$ 364	4	\$ 296		\$ -		\$ -	\$2,432	20	\$49	\$2,481	\$2,084	\$397				
O&M Manual		\$ -		\$ -	2	\$ 394		0		0	24	\$ 2,952		\$ -	4	\$ 572	2	\$ 180		\$ -		\$ -	2	\$ 260		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$4,358	34	\$87	\$4,445	\$3,734	\$711				
Construction Management & Administration	4	\$ 916		\$ -	4	\$ 788		0		0	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	16	\$ 3,264	32	\$ 3,424		\$ -		\$ -		\$ -	\$8,392	56	\$168	\$8,560	\$7,190	\$1,370					
Inspection Services		\$ -		\$ -		\$ -		0		0		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$0	-	\$0	\$0	\$0	\$0				
Start-up Services, Milestone Punchlists	2	\$ 458		\$ -	4	\$ 788		0		0	24	\$ 2,952		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$4,198	30	\$84	\$4,282	\$3,597	\$685				
TASK 4 TOTAL	12	\$ 2,748	0	\$ -	32	\$ 6,304	10	2000	0	0	112	\$ 13,776	0	\$ -	24	\$ 3,432	6	\$ 540	0	\$ -	0	\$ -	22	\$ 2,860	4	\$ 636	8	\$ 1,296	0	\$ -	0	\$ -	16	\$ 3,264	32	\$ 3,424	4	\$ 364	4	\$ 296	0	\$ -	0	\$ -	\$40,940	286	\$819	\$41,759	\$35,075	\$6,684				
Task 5. Project & Quality Management	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees	Hours	Fees																																										