

City of Waukesha
Design Engineering Services for West Side Pump Station Consolidation
Summit PS to Madison PS & Convview PS to Madison PS
Fee Estimate Summary - Donohue & Associates, Inc. (Revised 12/13/2018)

Task	Stohl/Sticklen	Kimmler	Holzwart	Madrid	Grunwald	Team QC	Electrical E-II	Process/Controls E-III	Structural E-III	Mechanical E-1	Wojtkiewicz	Total Hours	Total Labor	Expenses	RA Smith	PSI	Total Cost
PROJECT MEETINGS																	\$ 15,225
Kick Off Meeting	1	3	8									12	\$ 1,830	\$ 75			\$ 1,905
Bi-Weekly Conference Calls		8	16									24	\$ 3,600				\$ 3,600
Alternatives Analysis Review Meeting		4	8									12	\$ 1,800	\$ 75			\$ 1,875
Utility Coordination Meeting			4	8								12	\$ 1,740	\$ 75			\$ 1,815
60% Plan Review Meeting			8	4								12	\$ 1,740	\$ 75			\$ 1,815
90% Plan Review Meeting			6	4								10	\$ 1,450	\$ 75			\$ 1,525
General Public Information Meeting & Preparation			8		4							12	\$ 1,620	\$ 125			\$ 1,745
Preconstruction Meeting			6									6	\$ 870	\$ 75			\$ 945
SURVEY/WETLANDS/GEOTECH																	\$ 39,650
Topographic Survey			3									3	\$ 435		\$ 15,000		\$ 15,435
Wetland Investigation			3									3	\$ 435		\$ 10,000		\$ 10,435
Subsurface Investigation & Engineering			3									3	\$ 435		\$ 13,345		\$ 13,780
ALTERNATIVES ANALYSIS																	\$ 11,970
Verify Design Assumptions		8										8	\$ 1,280				\$ 1,280
Route Planning		4			24							28	\$ 3,400				\$ 3,400
Cost Estimates		1	4		8							13	\$ 1,660				\$ 1,660
Alternatives Analysis TM	4	20	2		12							38	\$ 5,630				\$ 5,630
DESIGN DEVELOPMENT/CONSTRUCTION DOCS (PUMP STATION)																	\$ 30,695
Attend Kick-off Meeting and Visit Site	5											5	\$ 950	\$ 75			\$ 1,025
Building and Equipment Sizing							8	12	12	2		34	\$ 4,750				\$ 4,750
Preliminary Design					4	4	16	16	20	6		66	\$ 9,210				\$ 9,210
Final Design					4	8	12	16	16	2		58	\$ 8,410				\$ 8,410
Specifications						4	12	8	4	4		32	\$ 4,520				\$ 4,520
Prepare Cost Opinion					2	2	6	4	4	2		20	\$ 2,780				\$ 2,780
DESIGN DEVELOPMENT/CONSTRUCTION DOCS (COLLECTION SYSTEM)																	\$ 76,825
Prepare 60% Plans (sheets not listed below)			4	24	24							52	\$ 6,820				\$ 6,820
- Plan and Profile sheets - Sewer			16	40	56							112	\$ 14,560				\$ 14,560
- Local Sewer Connections (assume 9)			2	8	10							20	\$ 2,600				\$ 2,600
- Plan and Profile sheets - FM (Rehab)				8	16							24	\$ 3,000				\$ 3,000
- Curb Ramps				8								8	\$ 1,160				\$ 1,160
- Roadway and Pavement Marking				8	12							20	\$ 2,540				\$ 2,540
- Pump Station Abandonment				4	8							12	\$ 1,500				\$ 1,500
Prepare Easement Acquisition Docs.			2									2	\$ 290		\$ 950		\$ 1,240
Easement Negotiations and Meetings (Assume 2)			16									16	\$ 2,320	\$ 150			\$ 2,470
Prepare Permits												-	\$ -				\$ -
- Waukesha County - Work in ROW				4								4	\$ 580				\$ 580
- WisDOT				4	8							12	\$ 1,500				\$ 1,500
- Chapter 30 / US Army Corps			4	2	18							24	\$ 2,940				\$ 2,940
- SEWRPC and DNR Sewer Approval					8							8	\$ 920				\$ 920
- WDNR WRAPP				1	6							7	\$ 835				\$ 835
Utility Coordination			4	4	16							24	\$ 3,000				\$ 3,000
Special Provisions			24	8								32	\$ 4,640				\$ 4,640
Prepare 90% Plans			16	40	32							88	\$ 11,800				\$ 11,800
QC	4	12										16	\$ 2,680				\$ 2,680
Prepare Final Construction Plans & Specs			16	16	24							56	\$ 7,400				\$ 7,400
Prepare Final Cost Estimate			16	16								32	\$ 4,640				\$ 4,640
SRF LOAN APPLICATION ASSISTANCE																	\$ 13,050
Application Documents											50	50	\$ 8,000				\$ 8,000
Abbreviated Engineering Report		8	14	12								34	\$ 5,050				\$ 5,050
BIDDING																	\$ 2,610
Respond to Bidders Questions			4									4	\$ 580				\$ 580
Prepare Addenda if needed			2	8								10	\$ 1,450				\$ 1,450
Review Bid Tab/Recommend Bidder			2	2								4	\$ 580				\$ 580
POST DESIGN SERVICES																	\$ 9,815
Respond to RFIs			16									16	\$ 2,320				\$ 2,320
Shop Drawing Review			16			4	12	8	8	4		52	\$ 7,420	\$ 75			\$ 7,495
Total	14	68	253	233	296	22	66	64	64	20	50	1,150	\$ 149,930	\$ 800	\$ 25,950	\$ 13,345	\$ 199,840
Labor Dollars	\$ 2,660	\$ 10,880	\$ 36,685	\$ 33,785	\$ 34,040	\$ 4,180	\$ 8,580	\$ 9,280	\$ 9,280	\$ 2,300	\$ 8,000						

FM Replacement Design (Additional Effort) \$ 10,500
 FM Replacement Survey (Additional Effort) \$ 4,500
 Eliminate PS Building \$ (12,000)