

Appendices (reference attached disk)

Appendix 3-A – Opinions of Probable Cost – Storage

Appendix 3-B – Opinions of Probable Cost – Transmission/Distribution

Technical Review Submittal

Appendix 3-A

Opinions of Probable Cost – Storage

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ENGINEER'S OPINION OF PROBABLE COST

PROJECT:			DATE:			Dec 2018		
Bayview Water and Sewer District Water System Facility Plan								
PROJECT DESCRIPTION:								
Storage - General Improvements								
CLIENT:								
Bayview Water and Sewer District								
CLIENT PROJ. NO.								
ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES						
		QNTY	UNIT	UNIT PRICE	TOTAL COST			
1	SCADA upgrades	1	EA	\$10,000	\$10,000			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14	Additional Elements (estimated % of above)							
15	Contractor mobilization and administration			10.0%	\$1,000			
16	Yard Piping			0.0%	\$0			
17	Site Civil			0.0%	\$0			
18	Electrical and instrumentation			0.0%	\$0			
19	Bonding			2.5%	\$300			
20	Contractor overhead and profit			10.0%	\$1,000			
						SUBTOTAL	\$	12,000
						Contingency: 25%	\$	3,000
						Prevailing Wages & AIS: 15%	\$	2,000
						State Sales Tax: N/A	-	
						Design / CMS: 20%	\$	3,000
						Legal and Administrative: 1%	\$	-
TOTAL PROBABLE COST (2018 DOLLARS)							\$	20,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Dec 2018

PROJECT DESCRIPTION: Storage - Rehabilitate Existing Storage Tank - Epoxy Injection

CLIENT: Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Crack Rehabilitation via Epoxy Injection	1800	LF	\$65	\$117,000
2	OSHA compliance - stairs, platform, etc.	1	LS	\$50,000	\$50,000
3					
4					
5					
6					
7					
8					
9					
10					
11	Additional Elements (estimated % of above)				
12	Contractor mobilization and administration			5.0%	\$8,000
13	Yard Piping			0.0%	\$0
14	Site Civil			0.0%	\$0
15	Electrical and instrumentation			0.0%	\$0
16	Bonding			2.5%	\$4,000
17	Contractor overhead and profit			10.0%	\$17,000
SUBTOTAL				\$	196,000
Contingency: 25%				\$	49,000
Prevailing Wages & AIS: 15%				\$	37,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	49,000
Legal and Administrative: 1%				\$	3,000
TOTAL PROBABLE COST (2018 DOLLARS)				\$	334,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Dec 2018

PROJECT DESCRIPTION:
Storage - Rehabilitate Existing Storage Tank - Epoxy Injection

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Crack Rehabilitation via Epoxy Injection	1800	LF	\$65	\$117,000
2	OSHA compliance - stairs, platform, etc.	1	LS	\$50,000	\$50,000
3					
4					
5					
6					
7					
8					
9					
10					
11	Additional Elements (estimated % of above)				
12	Contractor mobilization and administration			5.0%	\$8,000
13	Yard Piping			0.0%	\$0
14	Site Civil			0.0%	\$0
15	Electrical and instrumentation			0.0%	\$0
16	Bonding			2.5%	\$4,000
17	Contractor overhead and profit			10.0%	\$17,000
SUBTOTAL				\$	196,000
Contingency: 25%				\$	49,000
Prevailing Wages & AIS: 15%				\$	37,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	49,000
Legal and Administrative: 1%				\$	3,000
TOTAL PROBABLE COST (2018 DOLLARS)				\$	334,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Dec 2018

PROJECT DESCRIPTION:
Storage - Rehabilitate Existing Storage Tank - New Interior and Exterior Coating

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Interior Coating - Epoxy	4,100	SF	\$20	\$82,000
2	Exterior Coating - Acrylate	4,100	SF	\$15	\$61,500
3	OSHA compliance - stairs, platform, etc.	1	LS	\$50,000	\$50,000
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16	Additional Elements (estimated % of above)				
17	Contractor mobilization and administration			10.0%	\$19,000
18	Yard Piping			0.0%	\$0
19	Site Civil			0.0%	\$0
20	Electrical and instrumentation			0.0%	\$0
21	Bonding			2.5%	\$5,000
22	Contractor overhead and profit			10.0%	\$19,000

SUBTOTAL				\$	237,000
Contingency: 25%				\$	59,000
Prevailing Wages & AIS: 15%				\$	44,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	59,000
Legal and Administrative: 1%				\$	3,000

TOTAL PROBABLE COST (2018 DOLLARS) \$ 402,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Dec 2018

PROJECT DESCRIPTION:
Storage - New Bolted Steel Tank

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Bolted Steel Water Tank - Glass Fused	300,000	GAL	\$1.35	\$405,000
2	Storage Tank Foundation	1	LS	\$50,000	\$50,000
3					
4					
5					
6					
7	Additional Elements (estimated % of above)				
8	Contractor mobilization and administration			10.0%	\$46,000
9	Yard Piping			5.0%	\$23,000
10	Site Civil			5.0%	\$23,000
11	Electrical and instrumentation			10.0%	\$46,000
12	Bonding			2.5%	\$11,000
13	Contractor overhead and profit			10.0%	\$46,000
SUBTOTAL				\$	650,000
Contingency: 25%				\$	163,000
Prevailing Wages & AIS: 15%				\$	122,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	163,000
Legal and Administrative: 1%				\$	9,000
TOTAL PROBABLE COST (2018 DOLLARS)					\$ 1,107,000

ENGINEER'S OPINION OF PROBABLE COST - Operation and Maintenance						
PROJECT: Bayview Water and Sewer District Water				DATE: Dec 2018		
PROJECT DESCRIPTION: Storage - New Bolted Steel Tank						
CLIENT: Bayview Water and Sewer District						
CLIENT PROJ. NO.						
Year	General Maintenance		Bolt Inspections		Present Worth	
	Capital Cost	\$455,000	Year 1 Cost	\$5,000		
	Maintenance / yr	2.0%	Cost Inflation	2.5%		
	Increased use / yr	0.0%			Discount Rate 0.000%	
	Cost in Year <i>i</i>		Cost in Year <i>i</i>		Total by Year	Present Worth
1	\$9,100				\$9,100	\$9,100
2	\$9,100				\$9,100	\$9,100
3	\$9,100		\$5,253		\$14,353	\$14,353
4	\$9,100				\$9,100	\$9,100
5	\$9,100				\$9,100	\$9,100
6	\$9,100		\$5,657		\$14,757	\$14,757
7	\$9,100				\$9,100	\$9,100
8	\$9,100				\$9,100	\$9,100
9	\$9,100		\$6,092		\$15,192	\$15,192
10	\$9,100				\$9,100	\$9,100
11	\$9,100				\$9,100	\$9,100
12	\$9,100		\$6,560		\$15,660	\$15,660
13	\$9,100				\$9,100	\$9,100
14	\$9,100				\$9,100	\$9,100
15	\$9,100		\$7,065		\$16,165	\$16,165
16	\$9,100				\$9,100	\$9,100
17	\$9,100				\$9,100	\$9,100
18	\$9,100		\$7,608		\$16,708	\$16,708
19	\$9,100				\$9,100	\$9,100
20	\$9,100				\$9,100	\$9,100
NET PRESENT WORTH - TOTAL O&M (2018 DOLLARS)						\$ 220,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Dec 2018

PROJECT DESCRIPTION:
Storage - New Welded Steel Tank

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Welded Steel Water Tank	300,000	GAL	\$1.50	\$450,000
2	Storage Tank Foundation	1	LS	\$50,000	\$50,000
3					
4					
5					
6					
7	Additional Elements (estimated % of above)				
8	Contractor mobilization and administration			5.0%	\$25,000
9	Yard Piping			5.0%	\$25,000
10	Site Civil			5.0%	\$25,000
11	Electrical and instrumentation			10.0%	\$50,000
12	Bonding			2.5%	\$13,000
13	Contractor overhead and profit			10.0%	\$50,000
SUBTOTAL				\$	688,000
Contingency: 25%				\$	172,000
Prevailing Wages & AIS: 15%				\$	129,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	172,000
Legal and Administrative: 1%				\$	10,000
TOTAL PROBABLE COST (2018 DOLLARS)					\$ 1,171,000

ENGINEER'S OPINION OF PROBABLE COST - Operation and Maintenance				
PROJECT:			DATE: Dec 2018	
Bayview Water and Sewer District Water				
PROJECT DESCRIPTION:				
Storage - New Welded Steel Tank				
CLIENT:				
Bayview Water and Sewer District				
CLIENT PROJ. NO				
Year	General Maintenance		Present Worth	
	Capital Cost	\$500,000	Discount Rate 0.000%	
	Maintenance / yr	1.0%		
	Increased use / yr	0.0%		
	Cost in Year i	Total by Year	Present Worth	
1	\$5,000	\$5,000	\$5,000	
2	\$5,000	\$5,000	\$5,000	
3	\$5,000	\$5,000	\$5,000	
4	\$5,000	\$5,000	\$5,000	
5	\$5,000	\$5,000	\$5,000	
6	\$5,000	\$5,000	\$5,000	
7	\$5,000	\$5,000	\$5,000	
8	\$5,000	\$5,000	\$5,000	
9	\$5,000	\$5,000	\$5,000	
10	\$5,000	\$5,000	\$5,000	
11	\$5,000	\$5,000	\$5,000	
12	\$5,000	\$5,000	\$5,000	
13	\$5,000	\$5,000	\$5,000	
14	\$5,000	\$5,000	\$5,000	
15	\$5,000	\$5,000	\$5,000	
16	\$5,000	\$5,000	\$5,000	
17	\$5,000	\$5,000	\$5,000	
18	\$5,000	\$5,000	\$5,000	
19	\$5,000	\$5,000	\$5,000	
20	\$5,000	\$5,000	\$5,000	
NET PRESENT WORTH - TOTAL O&M (2018 DOLLARS)			\$	100,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Dec 2018

PROJECT DESCRIPTION:
Storage - New Cast-in-Place Concrete Tank

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Cast-in-Place Reinforced Concrete Water Tank	300,000	GAL	\$1.50	\$450,000
2	Storage Tank Foundation	1	LS	\$50,000	\$50,000
3					
4					
5					
6					
7	Additional Elements (estimated % of above)				
8	Contractor mobilization and administration			5.0%	\$25,000
9	Yard Piping			5.0%	\$25,000
10	Site Civil			5.0%	\$25,000
11	Electrical and instrumentation			10.0%	\$50,000
12	Bonding			2.5%	\$13,000
13	Contractor overhead and profit			10.0%	\$50,000

SUBTOTAL				\$	688,000
Contingency: 25%				\$	172,000
Prevailing Wages & AIS: 15%				\$	129,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	172,000
Legal and Administrative: 1%				\$	10,000

TOTAL PROBABLE COST (2018 DOLLARS) \$ 1,171,000

ENGINEER'S OPINION OF PROBABLE COST - Operation and Maintenance				
PROJECT:		DATE: Dec 2018		
Bayview Water and Sewer District Water				
PROJECT DESCRIPTION:				
Storage - New Cast-in-Place Concrete Tank				
CLIENT:				
Bayview Water and Sewer District				
CLIENT PROJ. NO.				
Year	General Maintenance		Present Worth	
	Capital Cost	\$500,000	Discount Rate 0.000%	
	Maintenance / yr	1.0%		
	Increased use / yr	0.0%		
	Cost in Year <i>i</i>	Total by Year	Present Worth	
1	\$5,000	\$5,000	\$5,000	
2	\$5,000	\$5,000	\$5,000	
3	\$5,000	\$5,000	\$5,000	
4	\$5,000	\$5,000	\$5,000	
5	\$5,000	\$5,000	\$5,000	
6	\$5,000	\$5,000	\$5,000	
7	\$5,000	\$5,000	\$5,000	
8	\$5,000	\$5,000	\$5,000	
9	\$5,000	\$5,000	\$5,000	
10	\$5,000	\$5,000	\$5,000	
11	\$5,000	\$5,000	\$5,000	
12	\$5,000	\$5,000	\$5,000	
13	\$5,000	\$5,000	\$5,000	
14	\$5,000	\$5,000	\$5,000	
15	\$5,000	\$5,000	\$5,000	
16	\$5,000	\$5,000	\$5,000	
17	\$5,000	\$5,000	\$5,000	
18	\$5,000	\$5,000	\$5,000	
19	\$5,000	\$5,000	\$5,000	
20	\$5,000	\$5,000	\$5,000	
NET PRESENT WORTH - TOTAL O&M (2018 DOLLARS)			\$	100,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT:				DATE:		Dec 2018	
Bayview Water and Sewer District Water System Facility Plan							
PROJECT DESCRIPTION:							
Storage - New Pre-Stressed Concrete Tank							
CLIENT:							
Bayview Water and Sewer District							
CLIENT PROJ. NO.							
ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES					
		QNTY	UNIT	UNIT PRICE	TOTAL COST		
1	Prestressed Concrete Water Tank & Foundation	300,000	GAL	\$4.50	\$1,350,000		
2							
3							
4							
5							
6							
7	Additional Elements (estimated % of above)						
8	Contractor mobilization and administration			5.0%	\$68,000		
9	Yard Piping			2.5%	\$34,000		
10	Site Civil			5.0%	\$68,000		
11	Electrical and instrumentation			5.0%	\$68,000		
12	Bonding			2.5%	\$34,000		
13	Contractor overhead and profit			10.0%	\$135,000		
				SUBTOTAL		\$ 1,757,000	
				Contingency: 25%		\$ 439,000	
				Prevailing Wages & AIS: 15%		\$ 329,000	
				State Sales Tax: N/A		-	
				Design / CMS: 20%		\$ 439,000	
				Legal and Administrative: 1%		\$ 25,000	
TOTAL PROBABLE COST (2018 DOLLARS)						\$ 2,989,000	

ENGINEER'S OPINION OF PROBABLE COST - Operation and Maintenance				
PROJECT:		DATE: Dec 2018		
Bayview Water and Sewer District Water				
PROJECT DESCRIPTION:				
Storage - New Cast-in-Place Concrete Tank				
CLIENT:				
Bayview Water and Sewer District				
CLIENT PROJ. NO.				
Year	General Maintenance		Present Worth	
	Capital Cost	\$500,000		
	Maintenance / yr	1.0%		
	Increased use / yr	0.0%	Discount Rate	
			0.000%	
	Cost in Year <i>i</i>	Total by Year	Present Worth	
1	\$5,000	\$5,000	\$5,000	
2	\$5,000	\$5,000	\$5,000	
3	\$5,000	\$5,000	\$5,000	
4	\$5,000	\$5,000	\$5,000	
5	\$5,000	\$5,000	\$5,000	
6	\$5,000	\$5,000	\$5,000	
7	\$5,000	\$5,000	\$5,000	
8	\$5,000	\$5,000	\$5,000	
9	\$5,000	\$5,000	\$5,000	
10	\$5,000	\$5,000	\$5,000	
11	\$5,000	\$5,000	\$5,000	
12	\$5,000	\$5,000	\$5,000	
13	\$5,000	\$5,000	\$5,000	
14	\$5,000	\$5,000	\$5,000	
15	\$5,000	\$5,000	\$5,000	
16	\$5,000	\$5,000	\$5,000	
17	\$5,000	\$5,000	\$5,000	
18	\$5,000	\$5,000	\$5,000	
19	\$5,000	\$5,000	\$5,000	
20	\$5,000	\$5,000	\$5,000	
NET PRESENT WORTH - TOTAL O&M (2018 DOLLARS)			\$	100,000

Appendix 3-B

Opinions of Probable Cost – Transmission/Distribution

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ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Sept 2018

PROJECT DESCRIPTION:
General Improvements

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Existing PRV tuning/rebuilds	4	EA	\$5,000	\$20,000
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	Additional Elements (estimated % of above)				
15	Contractor mobilization and administration			5.0%	\$1,000
16	Yard Piping			0.0%	\$0
17	Site Civil			0.0%	\$0
18	Electrical and instrumentation			0.0%	\$0
19	Bonding			2.5%	\$1,000
20	Contractor overhead and profit			10.0%	\$2,000

SUBTOTAL				\$	24,000
Contingency: 25%				\$	6,000
Prevailing Wages & AIS: 15%				\$	5,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	6,000
Legal and Administrative: 1%				\$	-

TOTAL PROBABLE COST (2018 DOLLARS) \$ 41,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Sept 2018

PROJECT DESCRIPTION:
Distribution - New Water Meters

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	Water Meters - 1-inch	360	EA	\$400	\$144,000
2	Mark-up and installation			25.0%	\$36,000
3	Radio Read Heads (on existing meters)	125	EA	\$200	\$25,000
4	Radio Read Metering System	1	LS	\$35,000	\$35,000
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16	Additional Elements (estimated % of above)				
17	Contractor mobilization and administration			5.0%	\$12,000
18	Yard Piping			0.0%	\$0
19	Site Civil			0.0%	\$0
20	Electrical and instrumentation			5.0%	\$12,000
21	Bonding			2.5%	\$6,000
22	Contractor overhead and profit			10.0%	\$24,000

SUBTOTAL				\$	294,000
Contingency: 25%				\$	74,000
Prevailing Wages & AIS: 15%				\$	55,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	74,000
Legal and Administrative: 1%				\$	4,000

TOTAL PROBABLE COST (2018 DOLLARS) \$ 501,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Sept 2018

PROJECT DESCRIPTION:
Transmission - Replace shared line from wells to existing tank

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	10" C-900 PVC Water Main	5000	LF	\$50	\$250,000
2	in existing utility cooridor (no surface repair)				
3					
4					
5					
6					
7					
8					
9					
10					
11	Additional Elements (estimated % of above)				
12	Contractor mobilization and administration			5.0%	\$13,000
13	Yard Piping			0.0%	\$0
14	Site Civil			0.0%	\$0
15	Electrical and instrumentation			0.0%	\$0
16	Bonding			2.5%	\$6,000
17	Contractor overhead and profit			10.0%	\$25,000
SUBTOTAL				\$	294,000
Contingency: 25%				\$	74,000
Prevailing Wages & AIS: 15%				\$	55,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	74,000
Legal and Administrative: 1%				\$	4,000
TOTAL PROBABLE COST (2018 DOLLARS)				\$	501,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Sept 2018

PROJECT DESCRIPTION:
Transmission - new line from Well 7 to District

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	12" C-900 PVC Water Main	2,700	LF	\$55	\$148,500
2	in existing utility cooridor (no surface repair)				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16	Additional Elements (estimated % of above)				
17	Contractor mobilization and administration			5.0%	\$7,000
18	Yard Piping			0.0%	\$0
19	Site Civil			0.0%	\$0
20	Electrical and instrumentation			0.0%	\$0
21	Bonding			2.5%	\$4,000
22	Contractor overhead and profit			10.0%	\$15,000

SUBTOTAL				\$	175,000
Contingency: 25%				\$	44,000
Prevailing Wages & AIS: 15%				\$	33,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	44,000
Legal and Administrative: 1%				\$	3,000

TOTAL PROBABLE COST (2018 DOLLARS) \$ 299,000

ENGINEER'S OPINION OF PROBABLE COST

PROJECT: Bayview Water and Sewer District Water System Facility Plan **DATE:** Sept 2018

PROJECT DESCRIPTION:
Distribution - New Distribution Main along west side of District

CLIENT:
Bayview Water and Sewer District

CLIENT PROJ. NO.

ITEM NO.	DESCRIPTION	SCHEDULE OF VALUES			
		QNTY	UNIT	UNIT PRICE	TOTAL COST
1	12" C-900 PVC Water Main	5,500	LF	\$55	\$302,500
2	in existing utility cooridor (no surface repair)				
3	Road crossings or asphalt replacement	1	LS	\$15,000	\$15,000
4	New PRVs	4	EA	\$ 8,000.00	\$32,000
5					
6					
7	Additional Elements (estimated % of above)				
8	Contractor mobilization and administration			5.0%	\$17,000
9	Yard Piping			0.0%	\$0
10	Site Civil			0.0%	\$0
11	Electrical and instrumentation			0.0%	\$0
12	Bonding			2.5%	\$9,000
13	Contractor overhead and profit			10.0%	\$35,000
SUBTOTAL				\$	411,000
Contingency: 25%				\$	103,000
Prevailing Wages & AIS: 15%				\$	77,000
State Sales Tax: N/A					-
Design / CMS: 20%				\$	103,000
Legal and Administrative: 1%				\$	6,000
TOTAL PROBABLE COST (2018 DOLLARS)					\$ 700,000