Description	Alternative Cost	Recommended Improvements Cost
IFT STATION		
1 Influent Manual Bar Screen Replacement		
Self Cleaning Mechanical Screen	752,550	
Bypass 72,800		
Removal of existing screen 2,000		
Mechanical Screen 585,000		
Dumpster pad 5,000		-
Electrical 87,750		
Vertical Auger Mechanical Screen	323,713	323,713
Bypass 36,400	1	
Removal of existing screen 2,000		
Mechanical Screen 243,750	1	
Dumpster pad 5,000		
Electrical 36,563		
2 Miscellaneous Lift Station Equipment Rehabilitation	157,936	157,930
Replace compressor with four diffusers 59,100		
Recoat piping and valves 4,000		
Replace crane/hoist 59,930		
Magnesium hydroxide feed equipment enclosure 20,797	'	
Electrical 14,109		
Electrical for rehabilitation 12,109)	
Add electrical outlets 2,000		
3 Grease Removal Equipment Addition		
Reroute scum to sludge tanks (Also in Clarifier improvements)	100,400	
4-5HP Pumps 70,000		
Piping and Force main 19,900		
Electrical 10,500		
Addition of Product for 20 years	130,000	
Additional cost for Replacement of pumps by chopper pumps instead of scum		
pumps and mechanical screen	86,382	
Deduct for mechanical screen -323,713		1
Deduct for scum pump system -100,400		
Bypass 36,400		
2- 15HP 8" pumps 239,610		
2-250HP 12" pumps 172,640		
Electrical 61,83	5	
Recirculation System	119,066	
4 Emergency Pump Addition	432,968	432,96
1-12" Diesel Pumps 337,32	5	
Piping 45,04		
Electrical 50,59	9	

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Description		Alternative Cost	Recommended Improvements Cost
GRIT REMOVAL SYSTEM			
1 Grit Removal Equipment Replacement			
Pista-Grit System		569,284	
Removal of existing classifier	5,000		
Structure	29,722		
Grit equipment	438,750		
Gates	30,000		
Electrical	65,813		
Grit-King System		570,000	570,000
Removal of existing classifier	5,000		
Grit-King System equipment	500,000		
Electrical	65,000		
HEADWORKS		<u> </u>	· · · · · · · · · · · · · · · · · · ·
1 Fine Screen Replacement		457,985	457,985
Remove existing screen	5,000		
2 Drum screens	393,900		
Electrical	59,085		
2 Screen Compactor Addition		235,463	235,463
Compactor	204,750		
Electrical	30,713		
3 Miscellaneous Rehabilitation		88,125	88,125
Replace one manual bar screen	15,000		
Replace grating by FRP grating	10,725		
Replace gates (3 units)	62,400		

scription		Alternative Cost	Recommended Improvements Cost
RATION BASIN			
1 Aeration Equipment Replacement			
Turbine Aerator		472,790	
Remove existing aerator	10,000		
New Aerator - 2 75 HP and controls	452,790		
Electrical	10,000		
Fine Bubble Diffused Aeration		2,160,375	
Remove existing aerator	10,000		
4-10HP Mixers, fine bubble aeration, 3-150HP blowers,			
piping, controls	1,852,500		
Blower slab	20,000		
Electrical	277,875		
Floating Turbine Aerator		741,370	
Remove existing aerator	10,000		
Floating turbine aerator 4-50HP mixer, 4-7.5HP blower			
	464,256		
Access bridge	101,795		
Controls	83,200		
electrical	82,118		
Floating Brush Rotor Aerator		847,311	
Remove existing aerator	10,000		
Floating rotor aerator - 6-30 HP aerators	536,827		
Access bridge	125,237		
Controls	82,368		
Electrical	92,879		
2 Aeration Equipment Addition			
Fine Bubble Diffused Aeration		1,394,138	
Fine bubble aeration, 2-150HP blowers, piping, controls			
	1,199,250		
Blower slab	15,000		
Electrical	179,888		
Floating Turbine Aerator		338,229	
Floating turbine aerator 2-50HP mixer, 2-7.5HP blower			
	232,128		
Access bridge	23,442		
Controls	41,600		
Electrical	41,059		
Floating Rotor Aerator		418,656	418,6
Floating rotor aerator - 3-30 HP aerators	268,414		
Access bridge	62,618		
Controls	41,184		
Electrical	46,440		

Description		Alternative Cost	Recommended Improvements Cost
3 Aerator Area Cover Replacement			
FRP Covers		190,988	
Remove existing covers	8,000		
New covers	182,988		
Aluminum Covers		460,400	460,400
Remove existing covers	8,000		
New covers	452,400		
4 Miscellaneous Rehabilitation		93,530	93,530
Replace gates	41,080		
Replace weirs	47,450		
Recoat walkways and piping	5,000		
CLARIFIER			
1 Clarifier Upgrades		274,400	274,400
Replace rake, 2 units	208,000		
Replace skimmer, 2 units	62,400		
Adjust inlet well level, 2 units	4,000		
2 Launder Algae Control Addition			
Algae cleaning system, 2 units	78,000	78,000	
Launder covers		249,371	249,371
Covers, 2 units	187,075		
Handrails, 2 units	62,296		
3 Reroute scum to sludge tanks		100,400	100,400
4 Pumps	70,000		
Piping and Force main	19,900		
Electrical	10,500		

Description		Alternative Cost	Recommended Improvements Cost
ETURN/WASTE SLUDGE PUMP STATION			
1 RAS/WAS Pump Station Replacement			
Replace Grinder Pumps and Telescopic Valves		253,820	
Pumps	117,000	255,620	
Piping and valves	39,000		
Replace telescopic valves	49,920		
Lifting equipment	23,348		
Recoat stairs and grating	3,500		
Electrical and controls	21,052		
Replace Pump Station with Above Ground Centrifugal Pump Station		231,252	231,25
4-Pumps	156,000		
Piping and valves	32,500		-
Modify suction line with meters	14,352		
Abandon exist station	5,000		
Electrical and controls	23,400		
Replace Grinder Pumps with Airlift sludge Feed		270,561	
Pumps	117,000		
Piping and valves	39,000		
Airlifts	62,400		
Blowers for airlift air	3,705		
Lifting equipment	23,348		
Recoat stairs and grating	3,500		
Electrical and controls	21,608		
DISINFECTION SYSTEM			
1 Miscellaneous Rehabilitation		49,761	49,76
Replace effluent weir	14,000		
Upgrade flow meter	10,300		
Magnesium hydroxide feed equipment enclosure	20,797		
Electrical	4,665		
2 Effluent Common Sampling Basin Addition		47,704	47,7
Structure	34,600		
Piping	13,104		
3 Chlorine Feed System Replacement		243,766	243,7
Replace chlorine feed system	60,000		
Replace Cl2 cylinder hoist	60,970		
Replace building enclosure Electrical	91,000 31,796		
		11,500	11,5
4 NPW System Replacement	10,000		11,5
Pumping system Electrical	1,500		

Description		Alternative Cost	Recommended Improvements Cost
EFFLUENT AND OUTFALL SYSTEM			
1 High Water Pump Station Addition			
High water pump station for combined WWTP/drainage flows		854,463	
Structure	256,000	-	
Pumps	273,000		
Piping and valves	232,284		
Gates	23,400		
Outfall pipe	14,138		
Sampler for biomonitoring for combined with storm			
	11,616		
Berm and compensating basin	1,333		
Electrical	42,692		
	,		
High water pump station for WWTP flow only		335,342	335,342
Structure (sampling on outfall instead of at CCB will be		000,012	
needed)	65,000		
Pumps	134,160		
Piping and valves	32,500		
Gates	23,400		
18" Outfall force main	46,800		
	40,800		1
Sampler for biomonitoring for combined with storm	11 (1)		
F IA and and	11,616		
Electrical	21,866		
2 Access to Outfall Discharge Addition			
Access steps on bayou slope	2,250	2,250	2,250
SLUDGE TANKS		<u></u>	
1 Structural Improvements		403,000	403,000
Seal existing tank cracks	10,000		
Add digester tank	393,000		
2 Blower Improvements			
Centrifugal Blowers		941,850	
Replace existing blowers	614,250		
Add blowers	204,750		
Electrical	122,850		
Positive displacement (PD) Blowers		679,765	679,765
Replace existing blowers	443,325	0, 0, 0	0,0,70
Add blowers	147,775		
Electrical	88,665		
2 Air Pining and Diffusors Improvements		738,855	738,855
3 Air Piping and Diffusers Improvements	492,570	/ 30,033	/ 30,033
Replace existing diffusers, piping and valves	492,570 246,285		
Add piping and valves for new tank	240,263		

Description		Alternative Cost	Recommended Improvements Cost
MISCELLANEOUS			
1 Monitoring Equipment Addition		143,327	143,327
Influent sampler	11,616		
Influent pH, alkalinity analyzer	16,900		
Aeration influent pH, alkalinity analyzer	16,900		
Aeration effluent pH, alkalinity, DO analyzer	25,350		
Clarifier effluent pH, alkalinity analyzer	16,900		
Chlorine Contact effluent pH, DO, Cl2 analyzer	25,350		
Effluent sampler	11,616		
Electrical	18,695		
2 Building Improvements		630,500	630,500
Rehabilitation of metal storage building	97,500		
Replacement of operation building and demolition of			
existing building	533,000		
3 Drying Beds Decommissioning except one	33,185	33,185	33,185
			67 412 15/
RECOMMENDED IMPROVEMENTS ESTIMATED COST			\$7,413,154
CONTINGENCY (30%)			\$2,223,946 \$9,637,100
TOTAL RECOMMENDED IMPROVEMENTS ESTIMATED COST			22,027,10