

Seabrook CIP

“Cut Sheets”

2019 CIP

DPW CIP Replace the Welcome Center Roof

Project Description

Replace asphalt roof shingles on the Welcome Center which was built in 2000. This 19 year old roof now leaks and needs to be replaced.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT	COST
		\$	
Item #1			5,100
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			5,100
20% Contingency			\$0
TOTAL			5,100

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$5,100	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



DPW CIP Land Acquisition Salt Shed.

Project Description

The salt shed the DPW has today is inadequate for the storage of salt. When we acquire the land we could buy in bulk and save money in the long run.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1	1	1	100,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$100,000
20% Contingency			\$0
TOTAL			\$100,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$100,000	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



DPW CIP Renovation DPW Facility

Project Description

Renovations include but not limited to replacing the heating system/furnace adding a dry sprinkler system to protect the huge capital investments housed here.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1			\$70,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			
20% Contingency			\$70,000
TOTAL			

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$70,000	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



DPW CIP Replace 2003 Plow Truck

Project Description

Truck 54 is a 2003 International 7400 Dump Truck. This is the oldest plow truck we have at the Department of Public Works. The body is rusted. In the past few years we have put in over \$20,000 in repairs

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT	COST
		\$	
Item #1	1	1	150,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$150,000
20% Contingency			\$0
TOTAL			\$150,000



Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$150,000	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Fire CIP Rescue Truck

Project Description

This Project is to replace a Rescue Truck. The cost will include the purchase of a vehicle and any required new equipment. Approximate cost is \$875,000, which will be generated through tax revenue. The current rescue truck is a 2003. This vehicle is necessary to respond to motor vehicle accidents and other emergency calls that may require specialized tools like air bags, block cribbing, and hydraulic rescue tools (Jaws of Life). As our town's needs have developed we need a vehicle like this that is multipurpose in its function.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1	1		\$875,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$875,000
20% Contingency			\$0
TOTAL			\$875,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$175,000	\$175,000	\$175,000	\$175,000	\$175,000
Total \$875,000				

FIRE

Priority 1

Item #1 – Replace 2003 Rescue Truck

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024

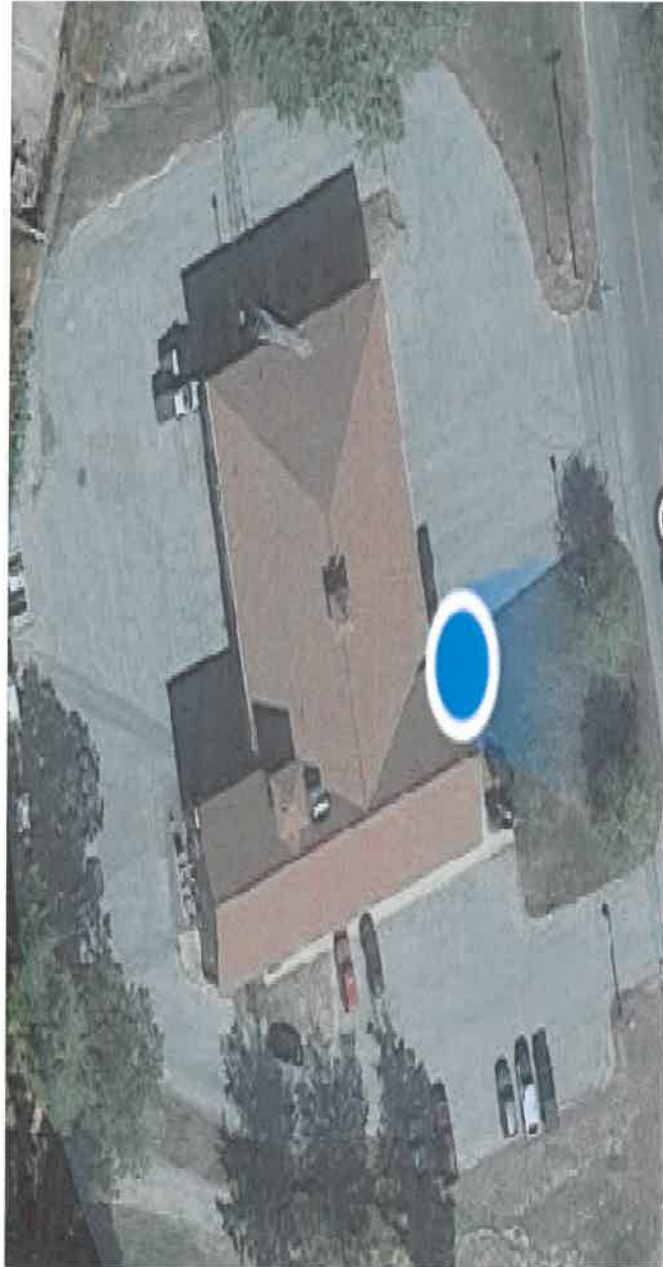


Fire CIP Resurface Parking Lot

Project Description

This Project is to resurface all of the paved areas around the Fire Department. In 2015 the Fire Department had a Capital Needs Assessment completed by Trident Project Advantage Group. This report illustrated the current status of the Fire Department as an overall asset. This assessment was completed to help guide our department in the needs that should be addressed along with when they should be completed. In this report it was outlined to do pavement replacement in Year 2017.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1	1		\$95,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$95,000
20% Contingency			\$0
TOTAL			\$95,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$95,000	\$0	\$0	\$0	\$0
Total \$95,000				
FIRE	Priority 1	Item #2 – Parking Lot Resurfacing		
Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024				



Water CIP Well Maintenance

Project Description

This project is designed to clean, rehabilitate and perform necessary long term well and equipment maintenance for 7 bedrock wells and 5 gravel pack wells.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT	COST
		\$	
Design			\$5,000
Construction			\$40,000
Item #3			
Item #4			
Item #5			
Sub-Total			\$45,000
10% Contingency			\$5,000
TOTAL			\$50,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$50,000	\$0	\$0	\$0	\$0
Total \$50,000				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Water CIP Land Acquisition

Project Description

Purchase land around new water wells for new well field.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1			
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			TBD
20% Contingency			TBD
TOTAL			TBD

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
TBD	\$0	\$0	\$0	\$0
Total TBD				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Water CIP Tank Project

Project Description

Abrasive blast/pressure wash interior and exterior tank surfaces to include nearby support structures and equipment within the fenced in area. Repair any metal fatigue/damage as needed to tank, support structures and equipment. Repair and coat the concrete foundations. Test surrounding soils for contamination and remove and dispose as needed. Repaint all surfaces to AWWA standards.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Design			\$44,100
Construction			\$1,622,250
Inspection			\$211,050
Item #4			
Item #5			
Sub-Total			\$1,877,400
8.6% Contingency			\$161,700
TOTAL			\$2,039,100

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$2,039,100	\$0	\$0	\$0	\$0
Total \$2,039,100				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024

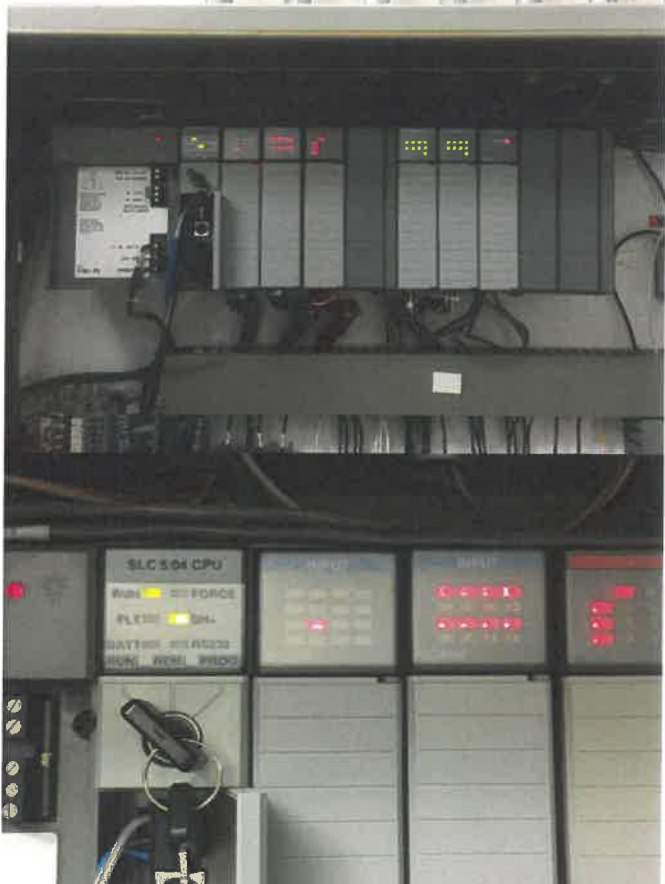


Water CIP SCADA UPGRADE

Project Description

Upgrade the System Control and Data Acquisition (S.C.A.D.A) system at all of the wells. The SLC 503 program logic controllers (PLC'S) are no longer supported by the factory and need to be replaced with the current MicroLogix 1400 PLC.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Design			\$20,000
Construction			\$170,000
Item #3			
Item #4			
Item #5			
Sub-Total			\$190,000
10% Contingency			\$20,000
TOTAL			\$210,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$210,000	\$0	\$0	\$0	\$0
Total \$210,000				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Recreation CIP Pavement

Project Description

This project includes the grinding and repaving/resurfacing the current Seabrook Community Center parking lots. The Seabrook Community Center parking lot was built in 1983. During the past 35 years the cracks were repaired 3 different times and an inch to an inch and a half pavement added at one time.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Pavement			125,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$125,000
20% Contingency			\$25,000
TOTAL			\$150,00

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$150,000	\$0	\$0	\$0	\$0
Total \$150,000				

Recreation

Priority 1

Item #1 – Pavement

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Recreation CIP Replace Curbs

Project Description

The removal and replacement of the parking lot curbs with granite curbs. This includes both lots. The original cement curbing installed over 33 years ago around the main parking lot and main drive has been deteriorating for the past 14 years. Any attempts to make repairs, seem to be temporary only, therefore need to be done frequently (as often as yearly). There is approximately 1,497 feet of curbing in the existing parking lots. It is approximately \$30 per foot installed.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Curbs			\$100,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$100,000
20% Contingency			\$20,000
TOTAL			\$120,000



Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$120,000	\$0	\$0	\$0	\$0
Total \$120,000				

Recreation

Priority 1

Item #1 –Granite Curbs

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Recreation CIP Boiler

Project Description

The boiler system which dates to the original construction has exceeded its original operational service life per the Capital Needs Assessment conducted in January 2015. Components within the system no longer operate correctly and repairs are often.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT	COST
		\$	
Boiler			\$25,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$25,000
20% Contingency			\$5,000
TOTAL			\$30,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$30,000	\$0	\$0	\$0	\$0
Total \$30,000				

Recreation

Priority 1

Item #1 – Boiler Replacement

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Police CIP—Radio System

Project Description

Replace existing communications equipment at SPD Headquarters (including both equipment and labor costs).

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Comms Equipment	1	590,985	590,985
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$590,985
20% Contingency			\$118,197
TOTAL			\$709,182

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$590,985	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #1 – Radio Equipment at Police Department

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2039



Police CIP—Parking Lot

Project Description

Remove existing hot top paving and disposal. Install new crushed gravel base DOT specs. Install 4 inches concrete against building to granite curb. Install 4 inches concrete around air conditioners/generator. Install 6 inches concrete pad for new storage units. New gravel base under proposed concrete walks and pads to be crushed gravel DOT specs. Remove any organic materials under hot top areas. Remove any organic materials under hot top areas. Pave up to chain link fences. Pave hot top binder 2" thick. Pave hot top finish 1.5" thick. Proposed area to be paved 19,650 square feet. Line striping on new pavement to be included. Loam and seed any disturbed areas.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT	COST
		\$	
Pavement& Sitework	1	96,678	96,678
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$96,678
20% Contingency			\$19,336
TOTAL			\$116,014

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$116,014	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #1 – Parking Lot at Police Department

Seabrook Capital Improvement Plan (CIP) FY 2019



Police CIP—Locker Room

Project Description

Existing men's locker room: (including but not limited to): Repair existing showers, replace worn urinal and toilet, add second toilet with stall, replace leaking plumbing, remove and replace broken and missing wall/floor tiles, add ventilation to carry odor and moisture to exterior of building, replace stained and moldy ceiling tiles, remove undersized lockers. Renovations to expand men's locker room: (including but not limited to): create two door openings and seal three existing door openings. Remove old carpet and replace with all purpose rubber flooring. Add new lockers to accommodate for larger equipment. Paint walls.

Plan or Photo of Improvements



Cost Estimate

ITEM	QUANT	UNIT \$	COST
Structural Renovations	1	100,000	100,000
Airflow Locker	30	575	17,250
Wardrobe Base Drawer	30	224	6,720
Hardwood Bench	30	24	720
Item #5			
Sub-Total			\$127,440
20% Contingency			\$25,488
TOTAL			\$152,928

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$152,928	\$0	\$0	\$0	\$0
Total				

Water

Priority 1

Item #2 – Locker Room at Police Department

Seabrook Capital Improvement Plan (CIP) FY 2019



Sewer CIP Exterior Lighting

Project Description

Exterior doorway have security lighting with automatic photosensors. High energy usage sodium lamps are not working and need to be upgraded to low energy fixtures. Replacement with LED low energy longer lasting fixtures will reestablish security lighting. Pole mounted street lighting on plant entrance road and grounds including tank mounted safety lighting are worn out and beyond repair due to outdated and inefficient fixtures.

Plan or Photo of Improvements

Insert photo here

Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1			41500
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$41500
20% Contingency			\$0
TOTAL			\$41500

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$41,500	20	\$0	\$0	\$0
Total 41500				

Water

Priority 1

Item #1 – Project Name

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Sewer CIP Install Gate Security System with Video Monitoring

Project Description

Installation of a Gate security system with video monitoring. Wastewater Facilities fall under the Homeland security targets for recommended security measures for limiting access to sensitive equipment and potential terrorist attacks. Preventing unauthorized access to town property may help limit criminal activity, damage to town property or harm to employees during their normal work day should be addressed by higher security measures.

Cost Estimate

ITEM	QUANT	UNIT \$	COST
Item #1			\$25,000
Item #2			
Item #3			
Item #4			
Item #5			
Sub-Total			\$25,000
20% Contingency			\$0
TOTAL			\$25,000

Plan or Photo of Improvements

Current Gate Security



Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$25,000		\$0	\$0	\$0
Total\$25,000				

SEWER

Priority 4

Item #7– Install Gate Security System

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024

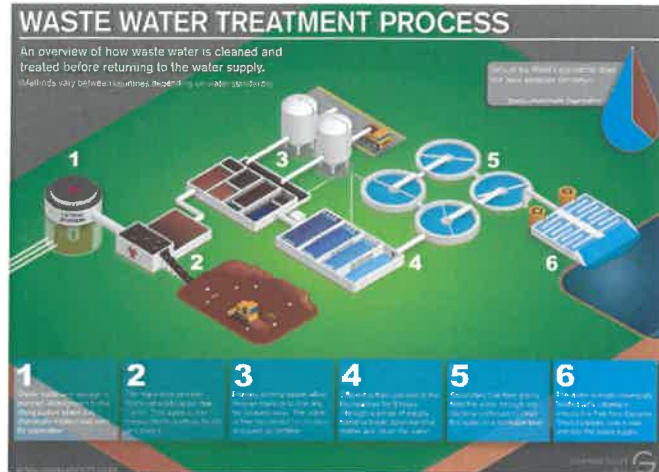


Sewer CIP Preliminary Upgrade Design

Project Description

Preliminary Design of treatment process equipment replacement or upgrades.

Plan or Photo of Improvements



Process Overview

Cost Estimate

ITEM	QUANT	UNIT \$	COST
DESIGN			\$40,000
Sub-Total			\$40,000
20% Contingency			\$0
TOTAL			\$40,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$40,000		\$0	\$0	\$0
Total \$40,000				

SEWRE

Priority 3

Item #6 – Preliminary Upgrade Design

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Sewer CIP Screw Pump Replacement

Project Description

Replacement of 2 screw pumps with more efficient and properly sized new unit. Existing screw pumps are oversized and have seem moisture corrosion due to exposure to the outside air. This equipment runs continuous and takes high electrical demand.

Plan or Photo of Improvements



Sample Picture of Screw Pumps to be Replaced

Cost Estimate

ITEM	QUANT	UNIT \$	COST
Equipment			\$160,000
Sub-Total			\$160,000
20% Contingency			\$0
TOTAL			\$160,000

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$160,000		\$0	\$0	\$0
Total\$160,000				

SEWER

Priority 3

Item #5 – Screw Pump Replacement

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Sewer CIP Belt Press Replacement / Upgrade

Project Description

Replace one (1) belt filter press with more efficient centrifuge. Our current press technology is a poor method for dewatering waste activated biosolids. Centrifuges are a better technology and cost less to operate. A phase in approach to replace and upgrade the belt press over the next few years will move the efficiency and dewatering capabilities of the facility to cover the next 20 years of operation.

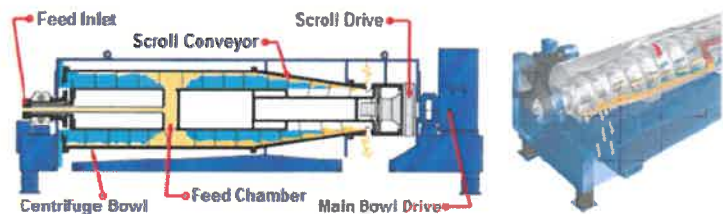
Plan or Photo of Improvements



Current Belt Filter Press

Cost Estimate

ITEM	QUANT	UNIT \$	COST
Equipment			\$250,000
Sub-Total			\$250,000
20% Contingency			\$0
TOTAL			\$250,000



Sample of Centrifuge Technology

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$250,000		\$0	\$0	\$0
Total \$250,000				

SEWER

Priority 3

Item #4 – Belt Press Upgrade

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Sewer CIP Install Submersible Mixers in Oxidation Tanks

Project Description

Purchase proper units for the tank configuration and install submersible mixers. During off cycles in the aeration mode saves electrical energy. With mixers, longer periods of anoxic conditions can be maintained with proper mixing.

Plan or Photo of Improvements



Our current surface aeration method is only effective at the surface expending more energy than necessary to



Submersible mixers as seen here work more efficiently by mixing from below the surface.

Cost Estimate

ITEM	QUANT	UNIT \$	COST
EQUIPMENT			\$40,600
Sub-Total			\$40,600
20% Contingency			\$0
TOTAL			\$40,600

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$40,600	\$0	\$0	\$0	\$0
Total \$40,600				

SEWER

Priority 2

Item #3 – Submersible Mixers

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Sewer CIP Replace Air Handling Unit - Dewatering Building

Project Description

The air handling unit is problematic and needs replacement. This unit has major leaks in the plumbing which is difficult to reach inside the unit. It is 16 feet up on the ceiling and has seen a lot of corrosion on the internal vents and support brackets.

Cost Estimate

ITEM	QUANT	UNITS	COST
Design			\$2000
Construction			\$4000
Equipment			\$9000
Sub-Total			\$15,000
20% Contingency			\$0
TOTAL			\$15,000

Plan or Photo of Improvements

Air Handling Unit to Be Replaced



Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$15,000		\$0	\$0	\$0
Total\$15,000				

SEWER

Priority 1

Item #2 – Replace Air Handling Unit

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024



Sewer CIP Replacement of Septic Hauler

Project Description

Replacement of a 1999 Freightliner Septic Hauler purchased used in March of 2004 with the actual tank structure being transferred from an older unit. This vehicle is used to clean pump stations, sewer mains and is a standby emergency pump for stations when extended power outages occur. Maintenance costs are escalating each year of service.

Cost Estimate

ITEM	QUANT	UNIT \$	COST
Other			\$98,000
Sub-Total			\$98,000
20% Contingency			\$0
TOTAL			\$98,000

Plan or Photo of Improvements



CURRENT VEHICLE



PROPOSED VEHICLE

Fiscal Year Spending

FY 19	FY 20	FY 21	FY 22	FY 23
\$98,000	\$0	\$0	\$0	\$0
Total \$98,000				

SEWER

Priority 1

Item #1 – Replacement of Septic Hauler

Seabrook Capital Improvement Plan (CIP) FY 2019 – FY 2024

