

LELAND SEWER SYSTEM

SEWER IMPROVEMENT / CAPITAL IMPROVEMENT FUND PROJECTS

PROPOSED FOR 2021

February 12, 2021

2021-2022 FISCAL YEAR – Proposed

<u>Projects for 2020-2021 (No Particular Priority)</u>	<u>estimate</u>
1. Continue Hydrogen Sulfide Pilot Study (Odor)	\$ 10,000
2. Biosolids Removal from WWTP Lagoon	\$100,000*
3. WWTP Influent Valve Manhole Rehabilitation	\$ 10,000
5. Collection System Manhole Rehabilitation- Chandler St.	\$ 12,000
6. Collection System Televising of Chandler St. 10" sewer line	\$ 8,000
7. WWTP Water Well Upgrade/well screen	\$ 5,000
8. STEP System Upgrades/Replacements	\$ 20,000
9. WWTP Dosing Station Reconstruction	\$ 25,000*
11. Sewer System Rate and Capacity Study Updates	\$ 4,000
12. Asset Management Software	\$ 2,000
13. Replace Junction Boxes at Lift Stations (2) – Above Grade	<u>\$ 14,000*</u>
Total:	\$ 210,000

*Per IAI Facility Assessment Report.

OTHER CAPITAL IMPROVEMENT PROJECTS (No Particular Order)

1. Lift Station Gate Valve By-Pass Replacements (frozen gate-valves)
2. Air Relief Valve Chamber on M-22
3. WWTP Building Repairs (siding, paint, roof, etc)
4. Manhole inspections and rehabs.
5. Sewer Collection Line Evaluations
6. Narrows Lift Station Pump #2 (original pump in use - \$11,000 est.)
7. STEP Pump System Replacements (\$5000 / station – repair parts are hard to get)
8. Clarifier Improvements (sludge build-up problems - \$100,000 est)
9. WWTP Aerators replacements
10. Standby Generator at Thompson Street Lift Station.
11. Pump Control / Level Control at Lift Stations including Variable Speed Controls.
12. Fence around Ferric Chloride Tank.
13. Cherry Street Sewer Improvements (freezing / pumping problems)
14. Eliminate STEP Systems at the Merc., Cove, & Fishtown with gravity line.
15. Central Pump Station on Avenue A instead of STEP Pumps.
16. Water Meter upgrades/replacements.

17. Investigate potential cost savings by replacing alarm system from telephone lines to cellular or radio.
18. Investigate potential cost savings with WWTP Supervisory Control System.
19. WWTP Dosing Valve replacements.