FY2023-2029 Capital Investment Program

G-115: City Fleet In-Ground Lift Replacement

Attachment A

Category:	High Performance Government	Status:	Approved and Begun
Department:	Finance & Asset Management	Location:	Bellevue Service Center (BSC)

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget	FY 2028 Budget	FY 2029 Budget
1,208,000	1,125,000	83,000	-	-	-	-	-	-

Description and Scope

Replacement of 6 in-ground, hydraulically operated vehicle and equipment lift systems. This project involves the removal of the old systems and preparation and installation of the new systems, including architectural details, permits, project management, concrete slab cut/pour, and electrical work.

Rationale

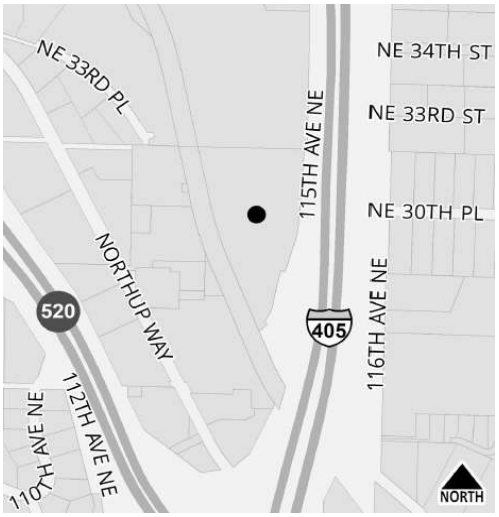
The lift systems reside in concrete vaults built below grade. They utilize large hydraulic cylinders that emerge from the vaults and engage the undercarriage of the vehicle. They are used to raise vehicles/equipment to specific heights that allow technicians and the tools used in the repair the best and most efficient access to the work area. The lifts are an essential and indispensable tool for our business and key to servicing the City's fleet. The success of the City's fleet maintenance and repair program relies on having the correct number of these systems and those systems being in sound working order. Two lifts per technician is the industry standard and the City has 1.8. Further reduction of lifts per technician would diminish our ability to effectively perform work and result in service delays. In 2019, two lift systems in our shop failed. In both cases, the cost of repairs was not justified, and they were replaced with newer, more modern systems. We have six lifts remaining that are the same age as those that failed. It can be reasoned that the remaining lifts are on 'borrowed' time and moving forward, we will continue to experience similar critical failures. When a lift system fails, it creates production bottlenecks and diminishes our capacity for processing work in-house. Vendors are then used for the overflow. Vendors are more costly and equipment downtime increases as it leaves us susceptible to the vendors' priorities and timetables. In addition, when lifts are down, technicians spend more time shuttling equipment back and forth to vendors, further reducing technician productivity and availability for addressing other repairs. As the remaining lifts fail, they will need to remain out-of-service until replacement funding is sourced.
ADDITIONAL RATIONALE:
•Manufacturers of these lift systems recommend a useful life of 20-25 years; ours are approx. 31 years old.
•The Automotive Lift Institute (ALI) endorses manufacturers' replacement recommendations. ALI is the only national organization accredited by the American National Standards Institute (ANSI) to inspect and certify automotive and heavy equipment lifts.
•OSHA does not have specific standards for lift systems but states "an employer is under obligation to provide a workplace that is free from recognized hazards likely to cause death or serious physical harm" and "national standards or manufacturers' recommendations may be used as evidence."
•After experiencing two failures in 2019, we asked three different outside professionals for replacement recommendations. Each agreed the remaining lifts are currently serviceable although they don't know for how long, and that an immediate plan should be in place for their replacement.
•These lift systems are always in use. The safety implications of a failure of any segment cannot be overstated.

Environmental Impacts

Modern lift systems are designed to promote environmental stewardship through increased efficiencies, such as a reduced footprint, superior containment attributes, and ability for relocation (mobile systems). It's anticipated that there will be no adverse environmental impacts. Project-specific environmental determination will be made in conjunction with the final phase of the project.

Operating Budget Impacts

Project Map



Schedule of Actvities

Project Activities	From - To	Amount
Project Costs	Ongoing	1,208,000
	Total Budgetary Cost Estimate:	**1,208,000**

Means of Financing

Funding Source	Amount
Misc revenue	1,208,000
Total Programmed Funding:	1,208,000
Future Funding Requirements:	-

FY2023-2029

Comments