

(KT0) DEPARTMENT OF PUBLIC WORKS

MISSION

The mission of the Department of Public Works (DPW) provides the highest quality sanitation, parking enforcement, and fleet management services that are both ecologically sound and cost-effective.

BACKGROUND

The capital program supports the various DPW administrations and programs which provide municipal services to District of Columbia residents and businesses. Some of the administrations and programs include:

DPW's Solid Waste Management Administration – which performs a number of daily operations including trash and recycling collection, sanitation education and enforcement, graffiti removal, public litter can service, fall leaf collection, and street and alley cleaning.

DPW's Parking Enforcement Management Administration (PEMA) - which enforces the District's on-street parking laws. In addition to routine enforcement, PEMA is charged with booting and towing operations and with removing abandoned and dangerous vehicles from public and private property.

DPW's Fleet Management Administration - which supports municipal operations by procuring, fueling and maintaining thousands of District government vehicles, from sedans to heavy equipment. Fleet Management also is responsible for purchasing environmentally friendly, alternative-fuel vehicles (AFV) for the city.

CAPITAL PROGRAM OBJECTIVES

1. Ensure DPW fleet equipment will be available for the agency's core services and maintain replacement cycles to maximize cost savings on fleet maintenance.
2. Provide safe and clean facilities for DPW employees to perform their core duties.

RECENT ACCOMPLISHMENTS

- Ordered 151 replacement vehicles with FY19 capital funds.
- 26 vehicles are plug-in hybrid (PHEV) sedans and 17 refuse trucks are 100% biodiesel enabled, both of which significantly reduce emissions from the DPW fleet.
- Construction projects began in FY19 for the upgrade of the HVAC system at our main fleet maintenance facility and replacement of the tipping floor at the Fort Totten Transfer Station. Both projects are scheduled to be completed in FY20. In addition, the FY20 facility improvement plans include replacement of the roof at 1725 15th Street NE, which houses administrative offices fuel site upgrades for expand use of alternative fuels such as CNG and biodiesel, installation of additional charging stations for electric vehicles, and conversion of the manually operated truck wash at Fort Totten to an automated system.

Elements on this page of the Agency Summary include:

- **Funding Tables:** Past budget allotments show the allotment balance, calculated as allotments received to date less all obligations (the sum of expenditures, encumbrances, intra-District advances and pre-encumbrances). Agencies are allowed to encumber and pre-encumber funds up to the limit of a capital project's budget authority, which might be higher than allotments received to date. For this reason, a negative balance on a project sheet does not necessarily indicate overspending or an anti-deficiency violation. A negative balance is permitted in this calculation of remaining allotment authority.
- **Additional Appropriations Data (\$000):** Provides a summary of the budget authority over the life of the project. The table can be read as follows:
 - **Original 6-Year Budget Authority:** Represents the authority from the fiscal year in which budget was first appropriated through the next 5 years.
 - **Budget Authority Through FY 2025 :** Represents the lifetime budget authority, including the 6-year budget authority for FY 2020 through FY 2025.
 - **FY 2020 Budget Authority Revisions:** Represents the changes to the budget authority as a result of reprogramming, redirections and rescissions (also reflected in Appendix F) for the current fiscal year.
 - **6-Year Budget Authority Through FY 2025 :** This is the total 6-year authority for FY 2020 through FY 2025 including changes from the current fiscal year.
 - **Budget Authority Request Through FY 2026 :** Represents the 6-year budget authority for FY 2021 through FY 2026.
 - **Increase (Decrease) :** This is the change in 6-year budget requested for FY 2021 - FY 2026 (change in budget authority is shown in Appendix A).
- **Estimated Operating Impact:** If a project has operating impacts that the agency has quantified, the effects are summarized in the respective year of impact.
- **FTE Data (Total budget in FTE Table might differ from actual budget due to rounding):** Provides the number for Full-Time Equivalent (FTE) employees approved as eligible to be charged to capital projects by, or on behalf of, the agency. Additionally, it provides the total budget for these employees (Personal Services), the non personnel portion of the budget in the agency's capital plan, and the percentage of the agency CIP budget from either expense category.
- **Facility Location Map:** For those agencies with facilities projects, a map reflecting projects and their geographic location within the District of Columbia.

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(01) Design	7,052	2,778	3,810	0	464	500	500	0	0	0	0	1,000
(02) SITE	16,676	16,676	0	0	0	0	0	0	0	0	0	0
(03) Project Management	3,441	3,421	0	0	20	0	0	0	0	0	0	0
(04) Construction	61,362	54,796	3,738	500	2,327	7,000	0	0	0	0	26,686	33,686
(05) Equipment	192,410	163,763	10,075	15,068	3,504	31,145	15,299	9,524	9,567	10,453	10,572	86,561
(06) IT Requirements Development/Systems Design	400	400	0	0	0	0	0	0	0	0	0	0
TOTALS	281,341	241,834	17,623	15,568	6,316	38,645	15,799	9,524	9,567	10,453	37,258	121,247

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
GO Bonds - New (0300)	146,211	138,628	4,724	500	2,359	7,460	0	0	0	460	26,686	34,606
Pay Go (0301)	9,179	9,157	0	0	22	0	0	0	0	0	0	0
Equipment Lease (0302)	70,489	70,489	0	0	0	0	0	0	0	0	0	0
Short-Term Bonds - (0304)	51,809	23,245	9,615	15,068	3,882	31,185	15,799	9,524	9,567	9,993	10,572	86,641
Private Donations (0306)	10	0	0	0	10	0	0	0	0	0	0	0
Paygo - Restricted (0314)	3,600	315	3,284	0	1	0	0	0	0	0	0	0
Cap Fund - Fed Pmt (0355)	42	0	0	0	42	0	0	0	0	0	0	0
TOTALS	281,341	241,834	17,623	15,568	6,316	38,645	15,799	9,524	9,567	10,453	37,258	121,247

Additional Appropriation Data			Estimated Operating Impact Summary							
First Appropriation FY		1999	Expenditure (+) or Cost Reduction (-)							
Original 6-Year Budget Authority		343,110	No estimated operating impact							
Budget Authority Through FY 2025		333,745								
FY 2020 Budget Authority Changes										
ABC Fund Transfers		-34								
Capital Reprogrammings FY 2020 YTD		337								
6-Year Budget Authority Through FY 2025		334,048								
Budget Authority Request Through FY 2026		402,588								
Increase (Decrease)		68,540								

Full Time Equivalent Data			
Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	38,645	100.0

KT0-BRTMO-BENNING ROAD TRANSFER STATION MODERNIZATION

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: BRTMO
Ward: 7
Location: 3200 BENNING ROAD NE
Facility Name or Identifier: BENNING ROAD TRANSFER STATION
Status: New
Useful Life of the Project: 20
Estimated Full Funding Cost: \$29,586,000

Description:

DPW proposes to demolish the existing transfer station located at 3200 Benning Road and rebuilding a state of the art transfer station. This project will allow DPW to meet the sustainability 2.0 plan. The proposed FY 2021 funding will support short-term improvements to the site, including but not limited to repairs to the transfer station tipping floor and stormwater management improvements.

Justification:

This project is necessary because this facility is in dire need of being torn down, it presents a safety hazard to the employees and is in the process of garnishing fines from the EPA. The project will also allow the district to process additional tonnage due to the growth of the district along with the shutting down of the privately owned W Street Transfer Station.

Progress Assessment:

N/A

Related Projects:

Benning Road Transfer Station Upgrades

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(04) Construction	0	0	0	0	0	2,900	0	0	0	0	26,686	29,586
TOTALS	0	0	0	0	0	2,900	0	0	0	0	26,686	29,586

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	2,900	0	0	0	0	26,686	29,586
TOTALS	0	0	0	0	0	2,900	0	0	0	0	26,686	29,586

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2025	0
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	0
Budget Authority Request Through FY 2026	29,586
Increase (Decrease)	29,586

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	2,900	100.0

KT0-FLW04-DPW - FLEET VEHICLES < \$50K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW04
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: Ongoing Subprojects
Useful Life of the Project: 7
Estimated Full Funding Cost: \$10,915,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that are less than \$50,000 each. These include pick-up trucks with plows, crew cab trucks, automobiles and, similar vehicles. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(05) Equipment	2,871	1,153	1,128	1,232	-642	3,134	1,244	787	1,149	791	940	8,044
TOTALS	2,871	1,153	1,128	1,232	-642	3,134	1,244	787	1,149	791	940	8,044

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
Short-Term Bonds - (0304)	2,871	1,153	1,128	1,232	-642	3,134	1,244	787	1,149	791	940	8,044
TOTALS	2,871	1,153	1,128	1,232	-642	3,134	1,244	787	1,149	791	940	8,044

Additional Appropriation Data

First Appropriation FY	2019
Original 6-Year Budget Authority	7,912
Budget Authority Through FY 2025	10,306
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	10,306
Budget Authority Request Through FY 2026	10,915
Increase (Decrease)	609

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data			
Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	3,134	100.0

KT0-FLW02-DPW - FLEET VEHICLES > \$100K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW02
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: Ongoing Subprojects
Useful Life of the Project: 7
Estimated Full Funding Cost: \$85,987,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that exceed \$100,000 each, but with a cost less than \$275,000. These vehicle types include; heavy duty loaders and backhoes, refuse trucks and, large street sweepers. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(05) Equipment	29,733	9,509	4,351	10,361	5,511	20,478	10,023	6,364	5,998	6,710	6,681	56,254
TOTALS	29,733	9,509	4,351	10,361	5,511	20,478	10,023	6,364	5,998	6,710	6,681	56,254

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
Short-Term Bonds - (0304)	29,733	9,509	4,351	10,361	5,511	20,478	10,023	6,364	5,998	6,710	6,681	56,254
TOTALS	29,733	9,509	4,351	10,361	5,511	20,478	10,023	6,364	5,998	6,710	6,681	56,254

Additional Appropriation Data

First Appropriation FY	2019
Original 6-Year Budget Authority	35,075
Budget Authority Through FY 2025	56,817
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	56,817
Budget Authority Request Through FY 2026	85,987
Increase (Decrease)	29,170

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	20,478	100.0

KT0-FLW01-DPW - FLEET VEHICLES > \$275K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW01
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: Ongoing Subprojects
Useful Life of the Project: 7
Estimated Full Funding Cost: \$15,471,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that exceed \$275,000 each. These vehicle types include; off road construction, heavy duty loaders and backhoes, large refuse trucks and, large 3 wheeled street sweepers. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(05) Equipment	4,616	870	3,105	2,267	-1,626	3,580	2,066	1,198	1,226	1,246	1,540	10,855
TOTALS	4,616	870	3,105	2,267	-1,626	3,580	2,066	1,198	1,226	1,246	1,540	10,855

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
Short-Term Bonds - (0304)	4,616	870	3,105	2,267	-1,626	3,580	2,066	1,198	1,226	1,246	1,540	10,855
TOTALS	4,616	870	3,105	2,267	-1,626	3,580	2,066	1,198	1,226	1,246	1,540	10,855

Additional Appropriation Data

First Appropriation FY	2019
Original 6-Year Budget Authority	6,180
Budget Authority Through FY 2025	7,471
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	7,471
Budget Authority Request Through FY 2026	15,471
Increase (Decrease)	8,000

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	3,580	100.0

KT0-FLW03-DPW - FLEET VEHICLES > \$50K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW03
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: Ongoing Subprojects
Useful Life of the Project: 7
Estimated Full Funding Cost: \$15,323,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that exceed \$50,000 each, but with a cost less than \$100,000. These include small refuse, small street sweepers and, similar vehicles. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(05) Equipment	4,835	2,604	827	1,207	197	3,493	1,967	1,176	1,195	1,246	1,411	10,488
TOTALS	4,835	2,604	827	1,207	197	3,493	1,967	1,176	1,195	1,246	1,411	10,488

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
Short-Term Bonds – (0304)	4,835	2,604	827	1,207	197	3,493	1,967	1,176	1,195	1,246	1,411	10,488
TOTALS	4,835	2,604	827	1,207	197	3,493	1,967	1,176	1,195	1,246	1,411	10,488

Additional Appropriation Data

First Appropriation FY	2019
Original 6-Year Budget Authority	12,217
Budget Authority Through FY 2025	8,747
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	8,747
Budget Authority Request Through FY 2026	15,323
Increase (Decrease)	6,576

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	3,493	100.0

KT0-CHS20-ELECTRICAL CHARGING STATIONS

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: CHS20
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: CHARGING STATIONS
Status: Ongoing Subprojects
Useful Life of the Project: 6
Estimated Full Funding Cost: \$1,500,000

Description:

Installation of 50 new electric charging stations per year at a cost of \$10,000 per station. Stations would be located at District agencies coinciding with the purchase of electric vehicles.

Justification:

Purchasing electric vehicles when possible for the District's fleet is projected to reduce fueling costs by 50 percent per vehicle. Electric vehicles require electric charging stations.

Progress Assessment:

On-going project

Related Projects:

N/A

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(01) Design	500	0	419	0	81	500	500	0	0	0	0	1,000
TOTALS	500	0	419	0	81	500	500	0	0	0	0	1,000

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
GO Bonds - New (0300)	500	0	419	0	81	0	0	0	0	0	0	0
Short-Term Bonds – (0304)	0	0	0	0	0	500	500	0	0	0	0	1,000
TOTALS	500	0	419	0	81	500	500	0	0	0	0	1,000

Additional Appropriation Data

First Appropriation FY	2020
Original 6-Year Budget Authority	3,000
Budget Authority Through FY 2025	3,000
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	3,000
Budget Authority Request Through FY 2026	1,500
Increase (Decrease)	-1,500

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	500	100.0

AM0-FTF01-FORT TOTTEN TRASH TRANSFER STATION

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF GENERAL SERVICES (AM0)
Project No: FTF01
Ward: 5
Location: 4900 JOHN MCCORMACK ROAD NE
Facility Name or Identifier: RESURFACING TIPPING FLOOR
Status: Ongoing Subprojects
Useful Life of the Project: 10
Estimated Full Funding Cost: \$12,237,000

Description:

Hydro-demolition of the existing concrete tipping floor inside the Fort Totten Transfer Station. Replace demolished concrete with new high strength concrete across the entire tipping floor and new steel rebar as required to maintain structural integrity. Structural assessment, engineering design, concrete testing and construction inspection services are required from Independent Third Party Contractors to ensure specifications of the concrete mix and installation are achieved.

Description of the Purpose of the Project: The Fort Totten Transfer Station is one of two transfer stations that the District owns and operates. The Facility's central location makes it ideally located to receive the materials DPW collects from its 105,000 solid waste (trash and recycling) collection customers, street cleaning operations, drop-off residential customers, as well as from private-sector trash haulers serving downtown and the northern areas of the District. Tractor trailers then pick up the trash and recycling from the tipping floor for final disposition to solid waste facilities outside of the District. To accept this material and facilitate the transfer operations, the Fort Totten Transfer Station has a 42,000 square feet high-strength tipping floor that receives and transfers approximately 250,000-300,000 tons of trash, recyclables and leaves on an annual basis. Multiple pieces of heavy equipment use the tipping floor continuously throughout the work day to drop-off and transfer material. This Facility also services approximately 200 residential vehicles each weekday and 300-1,500 residential vehicles on Saturdays. The existing concrete tipping floor has exceeded its useful life from daily wear and tear and needs to be replaced. The tipping floor was last resurfaced in 2003. The life span of a transfer station tipping floor is typically five (5) to ten (10) years, depending on the material type and throughput.

Justification:

During the six (6) day work week at the Fort Totten Transfer Station, Trash and Recycling Packer Trucks, Roll-Off Trucks and Front-End Loaders (e.g. heavy equipment) continuously use the tipping floor over fourteen (14) hours per day to drop-off and transfer trash. Over time, the tipping floor also receives wear and tear as the equipments' heavy metal buckets, metal containers and other mechanisms come into contact with and damage the concrete floor. Attachment 1 presents a snap shot of the current conditions of the existing tipping floor. There are very visible and serious penetrations of steel repair at the surface, structural cracks between concrete slabs, and other voids between the concrete slabs. Because the tipping floor has exceeded its useful life, it may have a catastrophic failure at some point. If these issues are not addressed, Facility operations for solid waste disposal and recycling could be forced to cease, and by extension, DPW's solid waste collection program would be impacted in the same manner. Replacement of the existing concrete tipping floor with new steel rebar at the Fort Totten Transfer Station ensures the continued safe and efficient operation of the Facility as well as other mission critical DPW services such as residential trash and recycling collection. In addition, due to the current conditions of the floor, a structural assessment needs to be performed and evaluated. Based on this assessment – engineering design, concrete testing and construction inspection services are required from Independent Third Party Contractors to ensure specification requirements are identified and achieved.

Progress Assessment:

This is an ongoing project

Related Projects:

N/A

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(01) Design	550	450	93	0	7	0	0	0	0	0	0	0
(03) Project Management	120	100	0	0	20	0	0	0	0	0	0	0
(04) Construction	7,467	2,936	3,738	0	793	4,100	0	0	0	0	0	4,100
TOTALS	8,137	3,486	3,831	0	820	4,100	0	0	0	0	0	4,100

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
GO Bonds - New (0300)	7,071	2,497	3,831	0	743	4,100	0	0	0	0	0	4,100
Pay Go (0301)	1,012	990	0	0	22	0	0	0	0	0	0	0
Short-Term Bonds – (0304)	2	0	0	0	2	0	0	0	0	0	0	0
Private Donations (0306)	10	0	0	0	10	0	0	0	0	0	0	0
Cap Fund - Fed Pmt (0355)	42	0	0	0	42	0	0	0	0	0	0	0
TOTALS	8,137	3,486	3,831	0	820	4,100	0	0	0	0	0	4,100

Additional Appropriation Data	
First Appropriation FY	2017
Original 6-Year Budget Authority	4,000
Budget Authority Through FY 2025	4,900
FY 2020 Budget Authority Changes	
Capital Reprogrammings FY 2020 YTD	3,237
6-Year Budget Authority Through FY 2025	8,137
Budget Authority Request Through FY 2026	12,237
Increase (Decrease)	4,100

Estimated Operating Impact Summary							
Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data			
Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	4,100	100.0

KT0-GRETS-TRANSFER STATION GRAPPLER REPLACEMENT

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: GRETS
Ward: 5
Location: 4900 MCCORMACK RD & 3200 BENNING RD NE
Facility Name or Identifier: TRANSFER STATIONS
Status: Ongoing Subprojects
Useful Life of the Project: 7
Estimated Full Funding Cost: \$1,380,000

Description:

This project is to secure a total of six (6) new Grapplers for the Transfer Stations within the District over a three year period. These new Grapplers will ensure the continuous and productive hauling of waste materials while creating a safe and humane environment for both District employees and its constituents.

Justification:

There are a total of six (6) Grapplers between the two (2) transfer stations within the District. All were purchased five (5) years ago. Four (4) were purchased refurbished (i.e. rebuilt from previously used parts) and two (2) were purchased new. Grapplers are used continuously daily to move waste that has been collected into containers that can haul them for destruction. The four (4) refurbished Grapplers are well past their life expectancy and are beyond normal monthly maintenance. They average a mechanical shut down about two times a week. The two (2) newer Grapplers are also well into their life expectancy and although they are being maintained, they are being overworked due to the other four (4) constant mechanical breakdown. They will need to be replaced within the next four (4) years. It is important to note that for over past year there have not been more than four (4) working Grapplers at a time between the transfer stations.

Progress Assessment:

On-going project

Related Projects:

The only projects that have some synergy are the Benning Transfer Station Upgrade project and the Back Up Generator Replacement

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
(05) Equipment	460	0	460	0	0	460	0	0	0	460	0	920
TOTALS	460	0	460	0	0	460	0	0	0	460	0	920

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
GO Bonds - New (0300)	460	0	460	0	0	460	0	0	0	460	0	920
TOTALS	460	0	460	0	0	460	0	0	0	460	0	920

Additional Appropriation Data

First Appropriation FY	2020
Original 6-Year Budget Authority	1,380
Budget Authority Through FY 2025	1,380
FY 2020 Budget Authority Changes	0
6-Year Budget Authority Through FY 2025	1,380
Budget Authority Request Through FY 2026	1,380
Increase (Decrease)	0

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)	09/30/2020	
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2021 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	460	100.0