

## 2022 Public Works and Municipal Services ARPA and Transformational Initiative (TI) Requests

### Animal Services

MOBILE UNIT (ARPA): Time limited support for sterilization, vaccines, pets for life program that brings services directly to the streets of Salt Lake County; helping the places, people, and pets that need it the most. This unit will also double as an adoption vehicle which will assist shelters with overpopulation. The unit can also be an instrumental tool in emergency response. This project is currently contemplated as a one-year pilot program, with the possibility for extension upon council approval.

- 2023 cost

3 time-limited FTEs - one veterinarian and 2 vet technicians to run the mobile unit: \$336,908

Operation expenses: \$163,092

Remodel Mobile Unit (unit donated by Health Department): \$239,167

Total: \$739,167

STUDY REGARDING A POTENTIAL ADOPTION CENTER, CLINIC, AND PET PARK (TI): A study to assess a potential community animal services adoption center to provide regional services and offer pet resources that support no-kill sheltering. This center would be our adoption center and would also offer low-cost and free clinic resources like other county clinic-style services. It will also offer a regional park that is truly dedicated to pets which is in high demand and greatly desired by citizens and jurisdictions. This will relieve some of the challenges occurring in regional parks as this would be the premiere place for pets and draw them to this state-of-the-art location. The current projection for the cost for a project of this nature is \$26 million. The request in the Mayor's Proposed Budget is for a study to assess the viability, need, cost and scope for the potential project.

Total: \$500,000

### Fleet Management

TRUCK SHOP CONCRETE (TI): The concrete around the perimeter of the fleet truck shop is cracked and has sunk in several areas creating a trip hazard. We are estimating that we will need \$100,000 to fix the remaining concrete around the truck shop.

The car/truck wash needs to be replaced due to age. The electrical snow melt system for the concrete in some areas of the wash floor have failed. This creates the possibilities of slip and falls due to ice in the winter months. We are estimating the cost to replace the car wash at \$500,000.

Total: \$600,000

## **Flood Control Engineering**

SEWAGE CANAL (TI): The City Drain and Sewage Canal are critical Flood Control facilities. These two waterways drain a large portion of west Salt Lake City and Unincorporated Salt Lake County areas. The City Drain is a major tributary to the Sewage Canal. The Sewage Canal and City Drain require deferred maintenance improvements that exceed our annual capital project funding.

City Drain and Sewage Canal capacity, stability and maintenance access are concerns for the County and adjacent property owners. Hydraulic capacity of these waterways is greatly affected by the flat channel slope and heavy in-channel vegetation. Salt Lake County maintains and operates large mechanical pumps on the City Drain to help push the water along during high rain runoff events. The pumps have exceeded their design life and need to be replaced. In addition to capacity issues, channel side slope stability is a major issue. The canal banks are eroding, causing the canals to get wider with time. Multiple property owners have demanded that something be done to prevent loss of their buildable property caused by this erosion. Several private access structures (bridges/culverts) that cross the canal are in poor condition and have sections that have caved into the canal. These structures impede flow and are currently causing major problems during rainfall events preventing the City Drain pumps from moving water through the system.

Salt Lake County Flood Control is requesting five million dollars (\$5,000,000) to replace mechanical pumps, improve hydraulic capacity, channel stability, and private and public maintenance access for the Sewage Canal and City Drain.

Total: \$5 million

## **Public Works Operations**

SALT PILES (TI): This request for Salt Lake County Public Works Operations Division is for salt storage and sweeper debris dewatering facilities at three locations. These include PW Westside Operations maintenance yard on Airport Road in West Jordan, the 39<sup>th</sup> South Salt Storage location in Millcreek and the Magna Salt Storage location in Magna. The need for salt sheds and dewatering facilities are to improve our UPDES compliance by eliminating storm water runoff from the salt pile. This also serves to reduce travel time and emissions for street sweepers and vector trucks and to reduce maintenance costs for our snowplows. The project includes design and construct a salt storage structures, adjusting grades

around the structure to eliminate runoff from the salt loading area into the storm drain sump, and installing brine tanks with a pump. The projects also include the design and construction a dewatering facility for the street sweepers and vactors (used to clean the storm drains.) The dewatering facility includes a slopped concrete pad with a canopy, berms around the perimeter, collection grate with an oil water separator connected to the sewer and a 2 ½" water connection for filling sweepers and vactor trucks. Currently the salt piles are not covered. Rainwater that runs off the salt pile must be contained so it does not get into the storm drain or contaminate ground water. The runoff water from the salt pile is captured in sealed sumps near the entrances to the sites. These sealed sumps hold the runoff but eventually fill up and create large ponds at the entrances. The plow trucks must drive through the saltwater pond and this increases corrosion of the undercarriage. Coving the salt pile will also reduce maintenance cost on the plow trucks by eliminating the saltwater pond. The street sweepers and storm drain vactor trucks must drive to Midvale to dump debris and refill water tanks. Having dump sites closer to the work area will reduce emissions by reducing trips to Midvale, will save money on fuel and will allow more work time in the community.

Total: Total project cost is estimated at \$6 million, but the request in the Mayor's Proposed Budget is for \$3,000,000, conditional upon the contract cities agreeing to a match of funds.