



DATE: March 21, 2017

TO: Mayor and City Council

FROM: Director of Utilities & Environmental Services

SUBJECT Trash Capture Device Installation on Patrick Avenue: Award of Construction Contract

RECOMMENDATION

That Council adopts the attached resolution (1) awarding the contract for the Trash Capture Device Installation on Patrick Avenue Project to Cratus, Inc., in the amount of \$199,850; and (2) authorizing the City Manager to execute a sole source purchase of Contech Continuous Deflector Separation (CDS) trash capture device in an amount not to exceed \$115,000.

SUMMARY

This project consists of installing a Contech CDS unit with bypass diversion box. The CDS unit will be installed at Patrick Avenue for trash capture from the storm water system as part of the City's trash reduction mandate from the San Francisco Regional Water Quality Control Board (Water Board). The City is required to reduce trash from the storm water system by 100% by 2022. This project will be funded by the Environmental Protection Agency (EPA) Water Quality Improvement Fund competitive grant awarded to the City in January 2015, and will help the City to reduce its water borne trash by approximately 5%.

BACKGROUND

The Water Board adopted the current Municipal Regional Stormwater Permit (MRP 2.0) in December 2015. The MRP 2.0 covers storm water discharges from municipalities and local agencies (also called permittees) in Alameda, Contra Costa, San Mateo, and Santa Clara counties, and the cities of Fairfield, Suisun, and Vallejo. Under the MRP 2.0, permittees are required to reduce trash from entering the waters of the state by 100% by the year 2022 from each jurisdiction's Municipal Separate Storm Sewer Systems (MS4s). This project will install a large trash capture device in the existing storm drain box on Patrick Avenue to treat storm water to partially meet the Water Board's requirement. In January 2015, USEPA Region 9 awarded the City \$800,000 to fund the Hayward Youth-Based Trash Capture, Reduction and Watershed Education Project. The four-year project includes a school curriculum for first through twelfth grade students for watershed and trash pollution awareness education, as well as engineered trash reduction facilities with the installation of large trash capture devices as a demonstration of the City's commitment to trash reduction and compliance with the Water Board mandate.

For further background regarding the EPA grant project and the City's trash reduction mandate, please refer to the Council Sustainability Committee reports entitled:

- USEPA Region IX Trash Reduction Grant (March 23, 2015)
- Update on EPA Trash Reduction Grant (December, 10, 2015)
- Municipal Regional Permit 2.0 (March 14, 2016)

On February 7, 2017, Council approved the plans and specifications and called for bids to be received on February 28, 2017.

DISCUSSION

The City currently has a large CDS unit manufactured by Contech Stormwater Solutions at the intersection of Tyrell Avenue and West Tennyson Road, which was installed in 2012. Contech is the only company that manufactures this type of device using the CDS technology. Our experience with this unit has been good, related both to trash capture and maintenance ease. Staff believes that the Contech CDS unit is the most appropriate device to install at the Patrick Avenue location.

In order to control costs and product delivery schedule, staff recommends that the City purchase the trash capture device directly from Contech as a sole source product. The Contech CDS unit will be furnished by the time of installation.

Construction is scheduled to start this spring in order to accommodate the students' schedule. Students will have the opportunity to view the installation of the CDS unit and learn about engineered trash reduction facilities.

On February 28, 2017, the City received five (5) bids. Cratus, Inc., submitted the low bid in the amount of \$199,850, which is approximately 11% below the Engineer's Estimate of \$225,500. Breneman, Inc. submitted the second lowest bid in the amount of \$217,950. The bids ranged from \$199,850 to \$497,500.

Staff has reviewed bid documents and licenses and they are all in order. Staff recommends award of contract to the low bidder, Cratus, Inc., in the amount of \$199,850.

ECONOMIC AND FISCAL IMPACT

The estimated project costs are as follows:

| | |
|---|-----------------|
| Design and Construction Administration - City Staff | \$25,000 |
| Testing and Inspection Services (Estimated) | \$15,000 |
| Construction Contract | \$199,850 |
| Trash Capture Device (Contech) | \$115,000 |
| Administrative Change Order (Estimated) | <u>\$25,000</u> |
| Total: | \$379,850 |

The EPA Region 9 grant awarded the City with \$800,000, of which \$740,000 is allocated to the purchase and installation of CDS units.

SUSTAINABILITY FEATURES

The CDS unit, along with the existing trash capture devices in the City's storm drain system will help to limit the pollutants that enter local creeks and the Hayward Shoreline.

PUBLIC CONTACT

Prior to and during construction, notices will be provided to affected residents, property, and business owners to inform them of the nature and purpose of the work, potential impacts, work schedule and City contact for additional information. In addition, staff will work closely with businesses and schools, like St. Bede Catholic School, located on Patrick Avenue, to minimize potential impacts.

NEXT STEPS

If Council approves the award of contract, staff will prepare the construction contract and issue a notice to proceed. The following schedule has been developed for this project:

| | |
|-----------------------------|----------------|
| Award Construction Contract | March 21, 2017 |
| Notice to Proceed | April 2017 |
| Construction Completion | July 2017 |

Additional trash capture devices will be needed to achieve a 100% reduction in trash entering the waters of the state by 100% by 2022. Staff is investigating the feasibility of installing a CDS unit in West Street; however, this project will be more complicated as it will be on land owned by the Alameda County Flood Control District and it will require relocation of a City water line. The West Street CDS unit will be larger than the one on Patrick Avenue. The added complexity of this project and the larger size will make the installation at West Street more expensive. Furthermore, staff will need to identify funding in addition to the remaining grant funds before this project can move forward.

Prepared by: Elisa Wilfong, Water Pollution Control Administrator
Tay Nguyen, Assistant Civil Engineer

Recommended by: Alex Ameri, Director of Utilities & Environmental Services

Approved by:



Kelly McAdoo, City Manager