



DATE: April 19, 2022

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT

Adopt a Resolution Approving Plans and Specifications and Calling for Bids for a Trash Capture Device Installation on Cotter Way, Project No. 07675

RECOMMENDATION

That Council adopts the attached resolution (Attachment II) approving the plans and specifications for Project 07675, the installation of one Continuous Deflective Separator (CDS) trash capture device in the existing storm drain on Cotter Way, and calling for bids to be received on May 17, 2022.

SUMMARY

The proposed project would install a CDS unit in the existing storm drain under Cotter Way 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 CDS unit creates a continuous swirl of stormwater to concentrate and separate trash and debris. This project will be funded by the Environmental Protection Agency (EPA) Water Quality Improvement Fund grant awarded to the City in January 2015.

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 were initially required to reduce trash from entering the waters of the state by 100% by 2022 from each jurisdiction's Municipal Separate Storm Sewer Systems (MS4s). However, in the latest draft of the Municipal Regional Permit "MRP 3.0" the deadline for 100% storm trash reduction goal or no adverse impact to receiving waters from trash, has been extended to July 2025.

In January 2015, Region 9 of the EPA 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. Work funded by the grant is largely complete. The proposed project on Cotter Way would spend the remainder of the grant funds and close out the project.

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)¹
- Update on EPA Trash Reduction Grant (December 10, 2015)²
- Municipal Regional Permit 2.0 (March 14, 2016)³
- Municipal Regional (Stormwater) Permit-MRP 3.0 (March 14, 2022)⁴

DISCUSSION

This project will install one large trash capture device on Cotter Way in an existing storm drain box to treat storm water to partially meet the Water Board's requirement. The installation of one CDS trash capture unit is part of the Hayward Youth-Based Trash Capture, Reduction, and Watershed Education Project. In 2021, City staff evaluated various locations and selected the Cotter Way location. The location is near the Alameda County's flood control channel, a strategic location to install a trash capture device since it encompasses a large drainage for trash reduction and can be installed within the project budget. As a result, a large trash capture device at this location can capture trash from approximately 138 acres of storm water runoff area.

The City currently has a large CDS unit manufactured by Contech Stormwater Solutions (Contech) at the intersection of Tyrrell Avenue and West Tennyson Road, which was installed in 2012, and one installed on Patrick Avenue, which was installed in 2017. Contech is the only company that manufactures this type of device using the CDS technology and their product has been approved by the Water Board. Staff's experience with the above projects has been successful both for trash capture and for maintenance ease. Staff believes that the Contech CDS unit is the most appropriate device to capture the trash from storm water runoff at Cotter Way. If approved, staff will purchase the Contech CDS unit directly from Contech and release a call for competitive bids to contractors to install the unit. Installation at the Cotter Way location will entail excavation in the street, installing the diversion box and CDS unit in-line with the storm drain, backfilling the area, and repairing the street to pre-construction

¹ <https://hayward.legistar.com/MeetingDetail.aspx?ID=530699&GUID=176DAFD5-E4D9-4DB7-ACCE-3FD49ED3900B&Options=info&Search=&Refresh=1>

² <https://hayward.legistar.com/LegislationDetail.aspx?ID=2530035&GUID=202918BE-E3DF-4B27-B9B8-80A8438039D5&Options=&Search=>

³ <https://hayward.legistar.com/LegislationDetail.aspx?ID=2602635&GUID=EF759AB7-14B2-4440-9EFC-D53DE6583D0F&Options=&Search=>

⁴ <https://hayward.legistar.com/LegislationDetail.aspx?ID=5523059&GUID=7112B7B8-AC21-4EC5-9289-D35DC0FCDE01&Options=&Search=>

conditions. Prior to backfilling and street repair, the CDS unit will be leak-tested to assure water tightness at all the joints.

Long-term maintenance of the Cotter Way CDS unit will include an annual cleaning to remove the trash using the City's Streets and Maintenance crew and equipment. The Cotter Way CDS unit cleaning will be scheduled typically in the spring or summer months prior to the rainy season.

Installation of the CDS is categorically exempt from CEQA review pursuant to Section 15301 of the CEQA Guidelines relating to minor alteration of existing public facilities.

ECONOMIC AND FISCAL IMPACT

The estimated project costs are as follows:

Design and Construction Administration - City Staff	\$15,000
Testing and Inspection Services	\$15,000
Construction Contract	\$260,000
Trash Capture Devices (Contech)	\$130,000
Administrative Change Order	<u>\$25,000</u>
Total:	\$445,000

The EPA Region 9 grant awarded the City \$800,000, of which \$740,000 was allocated to the purchase and installation of CDS units with the reoccurring \$60,000 to the educational component of the program. Of the \$740,000 allocation, \$517,000 has already been spent on other trash capture device projects. The remaining \$223,000 will partially fund the Cotter Way project. The difference of \$222,000 will come from the Stormwater Fund.

STRATEGIC ROADMAP

This agenda item relates to the Strategic Priority of *Improve Infrastructure*. Specifically, this agenda item relates to the implementation of the following projects:

- Project 17: Meet regulatory requirements for zero trash in stormwater by installing trash capture devices
- Project 17a: Install trash capture devices
- Project 17b: Perform related trash reduction activities

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 San Francisco Bay.

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 residents on Cotter Way, to minimize potential impacts.

NEXT STEPS

If Council approves, staff will purchase the CDS unit from Contech and advertise the construction project for public bidding. Staff will return to Council for award of the construction contract after bids have been received and reviewed.

The following schedule has been developed for this project:

Receive Bids	May 17, 2022
Award Construction Contract	June 21, 2022
Complete Construction	October 2022

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