



# AGENDA REPORT

**TO:** Edward D. Reiskin  
City Administrator

**FROM:** Ryan Russo  
Director, OakDOT

**SUBJECT:** Purchase of Narrow-Profile Street  
Sweeping Equipment

**DATE:** December 15, 2020

City Administrator Approval 

Date: Jan 19, 2021

## **RECOMMENDATION**

**Staff Recommends That The City Council Adopt a Resolution Appropriating Fund Balance From Fund 2211: Measure B Local Streets And Roads In An Amount Not To Exceed Seventy-Five Thousand Dollars (\$75,000) For The Purchase Of Equipment To Sweep Bicycle Lanes In Accordance With The City's Purchasing Programs And Policies.**

## **EXECUTIVE SUMMARY**

Adoption of the proposed resolution would enable Oakland Public Works (OPW) to purchase narrow-profile street sweeping equipment. This equipment would be used primarily to ensure curbside bikeways are swept clear, eliminating debris that could pose hazards for people riding bicycles or scooters and reducing impacts to Oakland's storm drains system and watershed. The narrow-profile sweeper would also be used to sweep other street elements that a traditional street sweeper could not navigate, such as painted pedestrian refuges and City parking garages.

## **BACKGROUND / LEGISLATIVE HISTORY**

Street sweeping in Oakland is a service performed by operators in OPW's Keep Oakland Clean and Beautiful (KOCB) Division. Street sweeping is a critical function to reduce the flow of both organic debris and inorganic trash into the storm drain system. Because street sweeping operations are dedicated to debris reduction on City streets, the fleet has been optimized for large vehicles with wide profiles that can collect the largest volume of debris most efficiently and effectively. Currently and historically, the City has not leased vehicles for street sweeping operations.

## **ANALYSIS AND POLICY ALTERNATIVES**

Oakland's streets are swept with large mechanical sweepers that require more clearance than private motor vehicles. The width and turning radius of these sweepers does not allow for sweeping of more narrow spaces, such as those created by separated bike lanes. Separated bike lanes are bike lanes that run against the curb, separated from parked cars or moving

vehicles by a raised element, such as another raised curb (Lakeside Drive) or bollards (27<sup>th</sup> Street, Harrison Street, Telegraph Avenue). Additionally, Oakland's current street sweepers cannot navigate the narrow widths of painted pedestrian bulbs, such as those located around the Lake Merritt BART Station and on Foothill Boulevard at Garfield Elementary.

Debris accumulation in bikeways can create a range of hazards for people biking and riding scooters. A smaller-profile sweeper will be able to navigate separated bikeways and address any debris accumulation.

Staff from Oakland Public Works Keep Oakland Clean & Beautiful (KOCB) and the Department of Transportation have participated in multiple demonstrations of narrow-profile street sweepers and have coordinated with city staff in other jurisdictions that have used narrow-profile street sweepers. At this time, staff recommend the purchase of a narrow-profile sweeper over a lease given the available options for leasing are limited.

### **FISCAL IMPACT**

The purchase of this item will be split funded, with up to \$75,000 from Measure B fund balance (Fund 2211, Organization 35221, Account 57611, Program IN04) and up to \$75,000 from Fund 1720 (Project 100010 Organization 30672, Account 57611 Program NB35). Fund 2211 currently has a multi-million dollar fund balance, sufficient to accommodate this request while still providing cushion against reduced current year sales tax revenue.

### **PUBLIC OUTREACH / INTEREST**

The City has received multiple service requests for sweeping of bicycle lanes and pedestrian refuges.

### **COORDINATION**

This report was prepared in coordination with OPW KOCB.

### **SUSTAINABLE OPPORTUNITIES**

***Economic:*** Purchasing a narrow-profile sweeper will ensure that the work of maintaining bicycle and pedestrian infrastructure can be performed by City staff and eliminate the need to establish a service agreement with an external entity.

***Environmental:*** The narrow-profile sweeper will meet or exceed the California Air Resources Board standards for emissions.

***Race & Equity:*** The purchase of a narrow-profile sweeper will enable City staff to maintain bicycle and pedestrian infrastructure that helps improve safety.

**ACTION REQUESTED OF THE CITY COUNCIL**

Staff Recommends That The City Council Adopt a Resolution Appropriating Fund Balance From Fund 2211: Measure B Local Streets And Roads In An Amount Not to Exceed Seventy-five Thousand Dollars (\$75,000) For The Purchase Of Equipment To Sweep Bicycle Lanes, In Accordance With The City's Purchasing Programs And Policies.

For questions regarding this report, please contact Ariel Espiritu Santo, Agency Administrator, at 510-421-8691.

Respectfully submitted,



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Department of Transportation

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