CITY OF LONG BEACH

**Memorandum**

Date: March 17, 2021

To: Thomas B. Modica, City Manager

From: Eric Lopez, Director of Public Works

For: Mayor and Member of the City Council

Subject: **Street Sweeping Mobile Application Update**

In October 2019, the Department of Public Works was requested to investigate the feasibility of developing and implementing a web-based application to track street sweeper vehicles in real time and advise the public of vehicle locations thereby allowing residents to move their vehicles prior to street sweeping and park their vehicles within posted time zones once street sweeping has been completed. Per the City Council request, staff have spent time doing critical research into cities that have done this, and how the various systems work. While the Public Works Department, Environmental Services Bureau conducted preliminary research on web-based programs as well as other jurisdictions using a similar type of program (listed below). The next steps require significantly more work and technical expertise in this field than staff can do on our own. Thus, an expanded and integrated assessment among City departments and a consultant would be necessary to make a recommendation for City Council consideration.

| **Jurisdiction** | **App Functions** |
|---|---|
| City of Berkeley | Sends text to remind residents to move their cars at 7 p.m. the night before sweeping. System currently functions independently from the City of Berkeley. |
| Washington, D.C. | Sends reminder push alerts to residents allowing them to receive alerts about the specific blocks they select. |
| City of Los Angeles | Informs residents via a text or online tool when sweepers have finished cleaning a street. |
| City of San Francisco | Park Smart App allows you to drop a pin identifying your vehicle's location, which will trigger an alert prior to street cleaning. |

The development and implementation of this type of application involves coordination of many technical and policy components across multiple City departments. Expertise in vehicle location technology app development, GIS, notification tools, and interfaces into the City's current systems would all be required. If the City Council is interested in continuing to explore this technology, staff would need assistance from an outside consultant to assess existing technologies, identify necessary processes, and develop multiple conceptual solutions for evaluation by staff. After a solution is selected, a vendor will need to be hired to fully develop and test the application.

The estimated cost to conduct the next step in the effort to build an internet based application to track street sweeping vehicles is $30,000. Additional budget would then be necessary to develop the application, but this amount is not known at this time. Due to the current budgetary and operational challenges exacerbated by COVID-19, staff recommend postponing this feasibility study until after the pandemic.

If you have any questions, please contact Diko Melkonian, Environmental Services Bureau Manager/Deputy Director of Public Works, at (562) 570-2856.

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