



**CITY OF PACIFICA
COUNCIL AGENDA SUMMARY REPORT**

8/23/2021

SUBJECT:

2022 Storm Drainage Master Plan

RECOMMENDED ACTION:

Move to approve the following actions for the 2022 Storm Drainage Master Plan:

- A. Authorize the City Manager to Award and Execute a Consultant Services Agreement (Attachment 1) with Carollo Engineers in an Amount Not to Exceed \$181,700.00, including Consultant Agreement Amendments;
- B. Authorize City Manager to execute Future Consultant Services Agreement Amendments in an Amount Not to Exceed Ten-Percent (10%) of the Contract Award Amount;
- C. Approve budget authority in the amount of \$199,870 from the Planned Local Drainage Fund 19.

STAFF CONTACT:

Lawrence Henriquez, P.E.
Associate Civil Engineer
(650) 738-3772
henriquezl@ci.pacifica.ca.us

Sam Bautista, P.E.
DPW Deputy Director
(650) 738-3771
bautistas@ci.pacifica.ca.us

Lisa Petersen, P.E.
DPW Director
(650) 738-3770
petersenl@ci.pacifica.ca.us

BACKGROUND/DISCUSSION:

The City collects and disposes storm water runoff generated within the City service area. The storm drainage system is designed to manage the runoff of rainwater and minimize the impact of significant rainfall. The City's public storm drainage infrastructure includes almost 55 miles of storm drainage lines spanning up to 90 inches in diameter, 8.7 miles of open channels, and two City-operated pump stations that ultimately discharge into the Pacific Ocean.

In 2012, the City's Storm Drainage Master Plan (SDMP) was updated and now the City would like to update the plan again to reflect current conditions and to consider new and emerging concerns, including the impacts of climate change. The 2022 Storm Drainage Master Plan will serve as a strategic planning guide for maintaining, improving, and expanding the City's storm drainage system, and will include, hydrologic/hydraulic model updates, along with the development of an updated Capital Improvement Plan (CIP). The final SDMP will provide a prioritized list of potential storm drain infrastructure projects based upon a rating system of low,

medium, to high. High priority projects are projects that should be considered first due to their potential impacts to in place infrastructure. In addition, the SDMP would provide high level cost estimates for the projects identified. Factors such as funding availability and community-based concerns will be discussed and considered.

City staff have heard concerns regarding storm drainage issues from residents in the Monterey / Manor, West View, Sharp Park, Vallemar, Rockaway, Linda Mar, and Pedro Point communities. One of the concerns from residents relates to heavy rains in the winter seasons along Linda Mar Avenue and its neighboring streets. In the Sharp Park area of Clarendon Road and Beach Boulevard, Public Works Field Service personnel bring in pumps during storm events to drain the excess water and prevent flooding. Another concern from residents is in the Rockaway Beach Avenue area. Because the Wastewater Division of Public Works has plans for upgrading the sewer system in the Rockaway Beach Avenue area, staff will direct the project consultant to prioritize review of this area to allow for a concurrent review of utility needs. Residents have also expressed concern regarding Big Inch Creek, which runs parallel to Monterey Road. During large storm events, the creek can overspill onto City streets causing problems and eroding the creek banks. The consultant will be concentrating efforts to analyze the aforementioned regions along with other areas and the existing system to provide a prioritized list of potential storm drain infrastructure projects.

Staff from the Engineering Division solicited and reviewed the submitted Proposals for the development of an updated 2022 Storm Drainage Master Plan from three consultants:

- 1.) Wood Rodgers
- 2.) NCE
- 3.) Carollo Engineers

Consultant oral panel interviews, with a panel comprised from Engineering, Wastewater, and Planning, were conducted on March 31, 2021. The interviews were scored based upon the consultants' experience with similar projects, interview presentations, and project delivery timeline schedules as criteria for selection. Based upon the criteria, Carollo Engineers was selected by staff to proceed with the 2022 Storm Drainage Master Plan. The cost estimate for the 2022 Storm Drainage Master Plan is \$181,700. Staff recommends including a 10% contingency of \$18,170 for any additional or unforeseen work needed for the Master Plan. Staff recommends approval of a budget authority in the amount of \$199,870 from the Planned Local Drainage Fund 19.

The following schedule is anticipated for the 2022 Storm Drainage Master Plan:

Description	Date
Council Approval of Consultant Agreement	August 23, 2021
Award of Consultant Agreement	August 27, 2021
Project Start	September 6, 2021
Draft Report	May 1, 2022
Final Report	May 27, 2022
Project End	July 29, 2022

City Manager recommends that Council approve the authorization for the City Manager to Award and Execute a Consultant Agreement between the City of Pacifica and Carollo Engineers for the 2022 Storm Drainage Master Plan and authorize the City Manager to execute future Consultant Service Agreement amendments not to exceed an amount of ten percent (10%) and approve budget authority in the amount of \$199,870 from the Planned

Local Drainage Fund 19.

ALTERNATIVE ACTION:

Council may choose not to approve the authorization for the City Manager to award and execute the consultant agreement, however, this will result in continued utilization of and reliance on the 2012 SDMP. Therefore, the City Manager does not recommend this alternate action.

RELATION TO CITY COUNCIL GOALS AND WORK PLAN:

Approval of the consultant agreement is consistent with the following Council adopted Goals:

- **Stewardship of City Infrastructure:** includes repairing/replacing outdated city facilities such as city hall, the libraries, fire stations, etc., improving streets, and responding to impacts of sea level rise. The 2022 Stormwater Drainage Master Plan will recommend areas in the City for improving stormwater drainage infrastructure network while taking into account the effects of sea level rise.

FISCAL IMPACT:

The following is the source and use of funds for the project:

Total Project Source and Use of Funds	
Consultant Services Agreement	\$ 181,700
Contingency (10%)	\$ 18,170
Consultant Cost (with 10% Contingency)	\$ 199,870
Total Use of Funds	\$ (199,870)
Total Source of Funds (Drainage Fund 19)	\$ 199,870
Estimated Project End Balance	\$ 0

ORIGINATED BY:

Public Works

ATTACHMENT LIST:

Attachment 1 - Carollo Engineers - Master Consultant Services Agreement (PDF)