



AGENDA REPORT

TO: Edward D. Reiskin
City Administrator

FROM: David Ferguson
Interim Director,
Public Works

SUBJECT: Storm Drainage Master Plan
Professional Services Agreement

DATE: October 14, 2020

City Administrator Approval 

Date: Oct 26, 2020

RECOMMENDATION

Staff Recommends That The City Council Adopt A Resolution Awarding A Professional Services Agreement To Wood Rodgers For Engineering Services For The City Of Oakland's Storm Drainage Master Plan In An Amount Not To Exceed Three Million Three Hundred And Ninety-One Thousand Dollars (\$3,391,000.00).

EXECUTIVE SUMMARY

Approval of this resolution will authorize the City Administrator or designee to execute a professional service contract with Wood Rodgers in an amount not to exceed \$3,391,000.00. The work to be completed under the project will produce a comprehensive Storm Drainage Master Plan (SDMP) recommending capital improvement projects, operations and maintenance strategies, storm drainage design guidelines, and equitable climate change adaptation approaches to enhance and sustain the City's storm drainage system and improve future resiliency. Funding for this project is budgeted and available.

BACKGROUND / LEGISLATIVE HISTORY

The storm drainage system in the City of Oakland consists of approximately 400 miles of storm drain pipes, 80 miles of open creeks and waterways, 18,000 structures, 11 pump stations, and other drainage appurtenances. Responsibility for the drainage throughout Oakland is shared among the City, private property owners, and the Alameda County Flood Control and Water Conservation District (ACFCWCD). While the City owns and maintains the majority of storm drains within the city boundaries, ACFCWCD is responsible for portions of the major creeks and flood control channels. Private property owners, including other public agencies, are responsible for the drainage within watercourses on their property.

Two main factors have created the need to evaluate the overall storm drainage system in Oakland. First, developments over the years have increased runoff, overwhelming the capacity of many existing pipes and culverts, and creating numerous erosion locations. Second, much of the drainage system infrastructure has deteriorated due to a historical lack of resources to keep up with the necessary improvements. Currently, there is no dedicated funding for stormwater

City Council
November 10, 2020

capital projects. Many of the storm drainage assets are over 80 years old and are at or reaching the end of their serviceable life. This has resulted in an urgent need to evaluate the City's overall drainage system.

A comprehensive SDMP will provide technical guidance on how to best manage and improve the City's storm drainage system. The SDMP will provide recommendations for the rehabilitation of the existing system, construction of new improvements, and the maintenance and care of the City's existing drainage assets. These recommendations will identify areas of critical need, improve system resiliency, and ensure compliance with equity and environmental goals and regulatory mandates related to Oakland's stormwater discharge and waterways.

ANALYSIS AND POLICY ALTERNATIVES

Selection Process

In June 2020, Oakland Public Works (OPW) issued a Request for Proposals (RFP) for engineering services to produce a Storm Drainage Master Plan. On July 10, 2020, City Contract Services received two (2) proposals from:

- Arup North America
- Wood Rodgers

Each proposing team met or exceeded the City's 50 percent LBE/SLBE participation requirement and were considered for further evaluation. A panel of three (3) professionals with experience in the scope of services identified in the RFP evaluated the proposals. The following evaluation criteria were used:

- Experience
- Qualifications
- Organization and Responsiveness
- Approach

Wood Rodgers was recommended for the work as the proposal demonstrated the most qualified relevant experience and familiarity with hydraulic/hydrologic modeling, including master planning for numerous local agencies. The team also presented a cohesive and responsive approach to Oakland-specific issues related to the City's storm drainage system. Wood Rodgers' LBE and SLBE participation is 97% and is required to be compliant with the Equal Benefits Ordinance (EBO) of the OMC, Chapter 2.32, prior to contract execution. The information has been verified by the Social Equity Contract Compliance Memorandums and is provided in ***Attachment A***.

Key components and benefits of the project will include:

- A comprehensive inventory of the existing storm drainage system assets, including field verification and condition assessment, to identify areas of critical need and planning-level solutions.
- A list of capital improvement projects that will improve the City's storm drainage system that will be prioritized based upon risk of asset failure, the severity of the capacity

deficiency, the importance of the component in the total storm drain system, water quality regulations, community equity, cost-effectiveness, resiliency and climate change adaptation goals, and other applicable criteria.

- A hydraulic/hydrologic model which will identify storm drainage capacity issues to be utilized for current and future planning.
- Updated and improved Storm Drainage Design Standards that will benefit future developments in the City.
- An updated operations and maintenance plan that will focus on cost efficiency while meeting regulatory and compliance goals.
- An assessment of the value of the City’s existing assets and financial analysis of outstanding capital and maintenance needs.

The project is scheduled to begin in November 2020 and be completed by the end of 2023.

FISCAL IMPACT

The total one-time cost of \$3,391,000.00 to implement this project is budgeted in Fund 2244 – Measure Q, Fund 2421 – Capital Improvements Impact Fee, Fund 3100 – Sewer Service, and Fund TBD for the Transformative Climate Communities (TCC) grant funds. Available funding in Fund 2244 – Measure Q and TCC grant funds will be transferred to Project 1005274 – Storm Drainage Master Plan.

The City applied for a Transformational Climate Communities (TCC) grant from the State of California Strategic Growth Council per Resolution 87993 and received notification on July 10, 2020, of an awarded amount of \$28.2 million. \$100k of the TCC grant will be used to conduct a study of localized flooding in the area of Empire Road as part of the Community Greening component of the overall project scope of work. The City Administrator’s Office is estimating to bring TCC grant award to Council to approve the contract and appropriate the funds in January 2021.

A breakdown of the appropriated project funding sources is included in **Table 1**.

Table 1: Project Funding Sources

Fund #	Org	Account (s)	Project	Program	FY19-20	FY20-21	FY21-22	Total
2244 – Measure Q	30245	54919	1005343	IN14		775,000	775,000	\$1,550,000
2421 - Capital Improvements Impact Fee	92245	54919 57211 58714	1005274	IN14	-	991,000	-	\$991,000
3100 - Sewer Service Fund	30245	54411	1005274	IN14	750,000	-	-	\$750,000
TBD - TCC Grant - Flood Study	30245	54411	1005274	IN14		100,000		
Total Funding:					750,000	1,866,000	775,000	\$3,391,000

PUBLIC OUTREACH / INTEREST

The RFP was formally advertised in a total of five (5) newspapers in various languages, including the East Bay Times, Oakland Post, El Mundo, World Journal, and The Korea Times. The City’s web-based procurement system, iSupplier and CIPlist.com, were utilized for distribution of the RFP with documents available free of charge online.

Staff provided notice to labor representatives, per the terms and conditions of the current Memorandums of Understanding with Local 21, Service Employees International (SEIU) 1021, and International Brotherhood of Electrical Workers (IBEW) prior to the formal issuance of the RFP. A legal advertisement for the RFP was posted on June 12, 2020. Additionally, on June 16, 2020, OPW Watershed and Stormwater Management Division, Contract Services, and Contract Compliance staff held a pre-proposal meeting to further promote participation and answer questions related to the RFP.

A comprehensive, equity-based public outreach and engagement process is a component of the SDMP. The strategy will be developed as part of the planning process. It will include collaboration with the Public Works Department's Communications Team, education on the City's storm drain and waterways systems, multiple-format community engagement strategies, information gathering, public meetings and conversations, and presentations that will be designed to ensure that the needs of those most impacted by racial disparities are addressed.

Finally, the complete findings and recommendations of the SDMP will be presented to the Public Works Committee and/or City Council.

COORDINATION

The work to be done under the contract was coordinated with Oakland Public Works Bureau of Maintenance and Internal Services, and the Contracts and Compliance Division of the City Administrator's Office. In addition, the Office of the City Attorney and the Budget Bureau have reviewed this report and resolution.

SUSTAINABLE OPPORTUNITIES

Economic: The SDMP will include an assessment of the value of the City's existing assets and a financial analysis of outstanding capital and maintenance needs. These assessments will better position the City to undertake a strategic and equitable capital and maintenance program to reduce the risk and frequency of costly system failures, including collapsed structures, roadway damage, flooding, sinkholes, landslides, or other storm drainage related issues that can threaten public and/or private property. An informed maintenance program will better extend the life of existing assets where possible to help slow the rate of and costs associated with capital improvement projects. Understanding the value, condition, and needs of the City's existing storm drainage system will provide the City basis of information to pursue a storm drainage fee in the future should that be desired by Oakland leaders and residents.

Environmental: The SDMP will develop a list of recommended capital improvement projects to improve the functionality and resiliency of the City's waterways and storm drainage system. Projects will focus on enhancing flood protection, improving water quality, and climate change resilience, and will benefit Oakland's creeks, waterways, Lake Merritt, and the San Francisco Bay. The proposed projects will meet applicable environmental regulatory requirements, including the City of Oakland Creek Protection Ordinance.

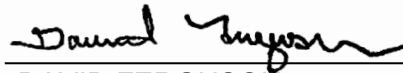
Race & Equity: The proposed study will be performed citywide and will identify storm drainage improvements necessary to reduce the instances of flooding and other stormwater conveyance and quality issues. Due to the nature of Oakland's topography, flooding and other water quality issues have generally disproportionately impacted underserved and disadvantaged neighborhoods. The proposed storm drainage projects will be designed to mitigate these impacts by improving system capacity, stormwater conveyance, and water quality. The development of the SDMP will include an equity-focused, comprehensive public outreach and engagement component to involve residents in the identification of areas of need that will be addressed through the SDMP, improve residents' understanding of the City's storm drainage system, gather community concerns regarding issues of stormwater function, conveyance, and quality that are most important to their neighborhoods. The proposed stormwater capital improvement projects will be evaluated through the City's Capital Improvement Project prioritization process that includes equity-based ranking and public input and review.

ACTION REQUESTED OF THE CITY COUNCIL

Staff Recommends That The City Council Adopt A Resolution Awarding A Professional Services Agreement To Wood Rodgers For Engineering Services For The City Of Oakland's Storm Drainage Master Plan Study In An Amount Not To Exceed Three Million Dollars Three Hundred Ninety-One Thousand Dollars (\$3,391,000.00).

For questions regarding this report, please contact Kristin Hathaway, Watershed and Stormwater Division Manager, at (510) 238-7571.

Respectfully submitted,



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Interim Director, Oakland Public Works

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Attachments (1):

A: Compliance Evaluation