



Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: Matt Loesch

SUBJECT: SEE BELOW

DATE: April 29, 2024

Approved

Date

5/7/24

**SUBJECT: MASTER CONSULTANT AGREEMENT WITH WOOD RODGERS, INC.
FOR STORM SEWER SYSTEM COMPUTER MODELING AND
MASTER PLANNING**

RECOMMENDATION

Approve a Master Consultant Agreement with Wood Rodgers, Inc. for on-call computer modeling and master planning consultant services for the City of San José’s storm sewer system from the date of execution to June 30, 2027, in an amount not to exceed \$500,000.

SUMMARY AND OUTCOME

Award of the master consultant agreement with Wood Rodgers, Inc. enables the City to obtain consultant services for storm sewer computer modeling and master planning projects on an as-needed basis.

The consultant services are needed to assist staff to continue the refinement of the Citywide hydrologic and hydraulic computer model of the storm sewer system by performing and delivering highly technical and specialized master planning analyses. This work could include hydrologic and hydraulic computer modeling, capacity assessments, alternatives and feasibility analyses, capital improvement program updates, green stormwater infrastructure and large trash capture planning and design, and various as-needed engineering analyses and studies on the City’s storm sewer system.

BACKGROUND

Since the late-1980s, the City’s design standard has required that new storm drain systems be designed to convey a 10-year storm event (a large storm that has a 10% chance of occurring in any given year) instead of a three-year storm event that had been the standard previously. The 10-year event is widely recognized as a reasonable, safe standard for urbanized areas and is employed by numerous jurisdictions nationwide.

An estimated 67% of the existing storm sewer system constructed prior to 1990 was designed to the three-year storm event standard. In January 2014, the City started developing a hydraulic and hydrologic computer model of the storm sewer system in an effort to prepare the first comprehensive Citywide trunk (large pipe) storm sewer master plan. The master plan study identified existing deficiencies in the storm sewer system under the current 10-year storm event standard and identified improvement projects to meet the level of service objectives. A draft report was prepared in the summer of 2017. Out of a long list of capacity improvement recommendations, 21 projects were categorized as high priority, totaling approximately \$215 million in capital improvement costs.

A new report including a revised list of priority capital improvement projects is planned for June 2024. This latest analysis includes a refined model network (to include smaller storm sewers) with an updated riverine model for current boundary conditions, additional calibration efforts utilizing flow monitoring, and other analyses that will result in new capital improvement recommendations and alternatives, including green stormwater infrastructure alternatives where dual benefits are feasible and cost effective.

ANALYSIS

A Request for Qualifications for consultant services to provide computer models and master planning for various storm projects was advertised on December 6, 2023. The City received Statement of Qualifications from two firms by the January 24, 2024 deadline. Staff from the Department of Public Works conducted a selection process for consultant services in accordance with the evaluation criteria specified in the Request for Qualifications.

The firms were evaluated and ranked as follows:

	Sustainable Watershed Designs (San Francisco)	Wood Rodgers, Inc. (Oakland)
Expertise (25)	20.1	21.7
Experience (35)	28.0	31.3
Approach (30)	23.6	25.3
Interview	n/a	n/a
Local Business Preference (5)	0	0
Small Business Preference (5)	0	0
Total	71.7	78.3

Staff recommends awarding the master agreement for consultant services to Wood Rodgers, Inc. Wood Rodgers, Inc. demonstrated a high level of expertise and has extensive experience with hydrologic and hydraulic modeling. Wood Rodgers, Inc. has been working with City staff in the recent development and refinement of the existing models and is very familiar with the City's

storm sewer system. Under this master consultant agreement, Wood Rodgers, Inc. will be able to provide support to the City to identify deficiencies, expand the calibration of riverine model, and incorporate green stormwater infrastructure projects into the program while continuing to work closely with City staff to transfer the necessary experience and technical skills to staff so that they can conduct in-house modelling and analyses in the future.

Under this master consultant agreement, Wood Rodgers, Inc. will be initiated by authorized service orders detailing the specific scope of services, schedule, and compensation along with the appropriate funding source for the tasks.

EVALUATION AND FOLLOW-UP

No additional follow-up action with City Council is anticipated at this time.

COST SUMMARY/IMPLICATIONS

No budget actions are being requested as part of this recommendation. Annual costs of roughly \$170,000, for an approximate total amount of \$500,000, are estimated within the next three years for this single master agreement for continued storm sewer computer modeling and master planning. Service orders will be executed by the Director of Public Works, supported by the Storm Sewer Capital Fund and the Storm Drainage Fee Fund.

1. TOTAL COST OF AGREEMENT:	
Agreement	\$500,000
TOTAL	\$500,000

BUDGET REFERENCE

The table below identifies the fund and appropriations to fund the contract recommended as part of this memorandum and remaining project costs, including project delivery, construction, and contingency costs.

Fund #	Appn #	Appn. Name	Total Appn	Amt. for Contract*	2023-2024 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
413	5252	Storm Sewer Master Plan – City-wide	\$200,000	\$200,000	251	6/20/2023, Ord. No. 30933
469	5252	Storm Sewer Master Plan – City-wide	\$1,199,000	\$300,000	251	10/17/2023, Ord. No. 30966

* The Amount for Contract included here represents the full three-year term of the contract. Future year appropriation allocations are expected to support appropriate costs in those respective fiscal years.

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COORDINATION

The agreement and this memorandum were coordinated with the City Attorney's Office, the City Manager's Budget Office, and the Department of Planning, Building, and Code Enforcement.

PUBLIC OUTREACH

This memorandum will be posted on the City's Council Agenda website for the May 21, 2024 City Council meeting.

COMMISSION RECOMMENDATION AND INPUT

No commission recommendation or input is associated with this action.

CEQA

Not a Project, File No. PP17-001, Feasibility and Planning Studies with no commitment to future actions.

PUBLIC SUBSIDY REPORTING

This item does not include a public subsidy as defined in section 53083 or 53083.1 of the California Government Code or the City's Open Government Resolution.

/s/
MATT LOESCH
Director of Public Works

For questions, please contact Mathew Nguyen, Deputy Director of Public Works, at mathew.nguyen@sanjoseca.gov or (408) 535-8300.