



Folsom City Council Staff Report

MEETING DATE:	7/14/2020
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 10486 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Design Services for the Folsom Blvd 27-Inch Trunk Sewer Project (SECAP Project).
FROM:	Environmental and Water Resources Department

RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends the City Council pass and adopt Resolution No. 10486 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Design Services for the Folsom Blvd 27-Inch Trunk Sewer Project (SECAP Project).

BACKGROUND / ISSUE

The Environmental and Water Resources (EWR) Department identifies sewer infrastructure rehabilitation and replacement projects through sewer master plans and ongoing sewer condition assessment programs. As part of the City's Sewer System Management Plan (SSMP) for its wastewater collection system, the EWR Department performs ongoing condition assessments on the wastewater system and corrects any defects/deficiencies identified through this process. Through these efforts, City staff identified the Folsom Blvd. 27-inch Trunk Sewer Rehabilitation Project as needing improvements.

In September 2017, the EWR Department updated the City's System Evaluation and Capacity Assurance Plan (SECAP) which is part of the City's SSMP. The intent of the SECAP is to identify wastewater collection system hydraulic improvements that are necessary for long-term scenarios based on existing and future planned growth. Based on the results of the SECAP, specific capital improvements are recommended. One of the recommended capital projects

identified capacity related improvements within the Folsom Blvd. 27-inch trunk sewer line under various conditions modelled at a 10-year/6-hour storm event under existing conditions, General Plan conditions and ultimate buildout conditions.

On October 23rd, 2018, City Council adopted Resolution No. 10193 authorizing the City Manager to enter into an agreement with Water Works Engineers, LLC to provide pre-design engineering services to evaluate the Folsom Blvd. 27-inch trunk sewer line. The pre-design established design alternatives for the Basis of Design Report (BODR), which summarizes the preferred rehabilitation alternative, operational objectives and constraints, and design criteria. The recommendation from the BODR is to install a parallel 18-inch pipeline along Folsom Blvd. between Natoma Street and Blue Ravine to help relieve potential capacity-related impacts during peak wet weather events.

The City and the consultant identified two project constraints associated with the recommended alignment that require further evaluation and analysis. Based on the evaluation and analysis of these constraints, the results will help determine the final design for the parallel pipeline and the extent of the environmental permitting required. The two constraints include the pipeline crossing of Willow Creek and a high point in the existing 27-inch sewer pipeline. The following will be evaluated for each of the constraints:

- Willow Creek pipe crossing (elevated or buried)
 - Creek flow impacts on design (FEMA Special Flood Area)
 - Right of Way/Private Property Easement Procurement
- A previously unknown high point in the existing sewer line at Folsom Blvd. and Blue Ravine
 - Extent of rehabilitation work unknown until additional field investigation is performed, which includes potholing and surveying

In order to address these project constraints, EWR staff recommends two phases for the design work. Phase 1 will include work associated with additional field studies (i.e. potholing, surveying), CEQA, environmental permitting, and 50% design level plans to address the constraints at the creek crossing and at the intersection of Folsom Blvd. and Blue Ravine. Specifically, phase 1 will determine the type of pipeline crossing at Willow Creek and the extent of work required to remove the high point at the intersection of Folsom Blvd. and Blue Ravine.

Once phase 1 of design has been completed, the City will seek authorization from the City Council for an amendment to the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP Project) for the preparation of 100% design drawings and specifications, which will incorporate the creek crossing details as well as the alignment at the intersection of Folsom Blvd. and Blue Ravine. Organizing the design into two phases will help promote efficient execution of final design.

This resolution will authorize the City Manager to execute an Agreement with Water Works Engineers, LLC for design services for the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP).

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$62,014 or greater shall be awarded by City Council.

ANALYSIS

Services to be performed under this agreement include:

- Geotechnical Field Investigation and Report
- Topographic Survey and Record Right of Way
- Scour Analysis
- Potholing
- Cultural Resources Assessment/Assembly Bill 52 Consultation Support
- Biological Resources Inventory
- CEQA Compliance and Schematic Design
- Preparation of Aquatic Resource Regulatory Permit Applications (If-Needed)
- Project Management

Once the above tasks related to field studies and environmental permitting activities have been completed and all constraints have been analyzed, the City will seek authorization from the City Council for phase 2 of design as part of an Amendment to the Folsom Blvd 27-Inch Trunk Sewer Project (SECAP Project) for final design services.

This resolution will authorize the City Manager to execute an Agreement with Water Works Engineers, LLC for design services for the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP) in the amount of \$223,421.

FISCAL IMPACT

The Folsom Blvd 27-Inch Trunk Sewer Project (SECAP Project) is included in the Capital Improvement Plan with a FY 2020-21 project budget of \$5,628,400. Sufficient funds are available in the Sewer Operating Fund (Fund 530) and the Environmental and Water Resources Department recommends that the contract be awarded to Water Works Engineers, LLC for \$223,421.

ENVIRONMENTAL REVIEW

An Initial Study/Mitigated Negative Declaration (ISMND) per Sections 15070-15075 of the CEQA Guidelines will be prepared in support of the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP Project). Additionally, a Cultural Resources Assessment/Assembly Bill 52

Consultation Support, a Biological Resources Review, and preparation of aquatic resource regulatory permit application (if required) will be prepared as a part of this project.

ATTACHMENT

Resolution No. 10486 - A Resolution Authorizing the City Manager to Execute an Agreement with Water Works Engineers, LLC for Design Services for the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP Project).

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 10486

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH WATER WORKS ENGINEERS, LLC FOR DESIGN SERVICES FOR THE FOLSOM BLVD. 27-INCH TRUNK SEWER PROJECT (SECAP PROJECT)

WHEREAS, the City is currently implementing its Sanitary Sewer System Management Plan (SSMP) which consists of condition assessment, as well as operation and system improvements; and

WHEREAS, the City is continuing to update its System Evaluation and Capacity Assurance Plan to identify recommended system capacity improvements; and

WHEREAS, the City has identified this project to help proactively ensure that future General Plan and Buildout sewer flow conditions are accounted for in the ultimate operation of the sanitary sewer collection system; and

WHEREAS, an Initial Study and Mitigated Negative Declaration will be prepared in support of the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP Project); and

WHEREAS, Water Works Engineers, LLC by reason of their past experience and abilities for performing these types of services, are qualified to perform the required engineering services for the project; and

WHEREAS, sufficient funds are budgeted and available in the Sewer Operating Fund (Fund 530) in the amount of \$223,421; and

WHEREAS, the agreement will be in a form acceptable to the City Attorney:

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Folsom authorizes the City Manager to execute an Agreement with Water Works Engineers, LLC for Design Services for the Folsom Blvd. 27-Inch Trunk Sewer Project (SECAP Project) for a not-to-exceed amount of \$223,421; and

PASSED AND ADOPTED this 14th day of July 2020, by the following roll-call vote:

AYES: Council Member(s):
NOES: Council Member(s):
ABSENT: Council Member(s):
ABSTAIN: Council Member(s):

Sarah Aquino, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK

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