

CITY OF SANTA ROSA  
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL  
FROM: GRANT BAILEY, ASSOCIATE CIVIL ENGINEER  
TRANSPORTATION AND PUBLIC WORKS  
SUBJECT: COOPER DRIVE SLOPE STABILIZATION AND DRAINAGE  
IMPROVEMENTS – CONTINGENCY ACTION

AGENDA ACTION: MOTION

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RECOMMENDATION

It is recommended by the Transportation and Public Works Department that the Council, by motion, approve the additional construction contingency in the amount of \$120,000 for the Cooper Drive Slope Stabilization and Drainage Improvement Project, increasing the contract amount to a total of \$744,645.50, to address a new slope failure within the construction zone that occurred this winter.

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EXECUTIVE SUMMARY

Construction of the Cooper Drive Slope Stabilization and Drainage Improvements project began in June of 2019. The goals of the project are to replace 900 linear feet of concrete lined storm drain ditch, install subsurface drainage and underground storm water pipe on the hillside east of Cooper Drive. A retaining wall will also be installed to support the new drainage infrastructure. On or about March 15, 2019, a new slope failure occurred approximately 50 feet south of the slope failure area that initiated this project. The geotechnical consultant and designer performed a site evaluation that concluded the project should extend the planned retaining wall an additional 120 feet. Supplementary design work was performed to implement the added 120 feet of retaining wall which led to increased construction costs for the project. Additional funds are needed to maintain sufficient contingency funds to complete the project.

BACKGROUND

The City maintains a concrete drainage channel on a hillside east of Cooper Drive that captures storm water runoff. In 2006, two slope failures occurred on the hillside that damaged the drainage channel. As a temporary repair, culverts were installed between damaged sections of the channel to maintain its function.

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In 2009, the City retained a geotechnical consultant to evaluate the slope failures and the potential impact on the drainage channel. Their report concluded that installing a retaining wall is the most effective way to protect the drainage channel from future slope instability.

Design began in 2011 to remove and replace the drainage channel within an existing easement that crosses 16 private parcels. In 2013, the project was placed on hold to allow resolution of property owner concerns regarding the existing easement.

In 2017, the City pursued acquiring a new easement approximately 10 feet upslope on an adjacent parcel owned by Congregation Shomrei Torah (2600 Bennett Valley Road). In 2019, the City completed the acquisition of a new storm drainage easement on Congregation Shomrei Torah property. Once the storm drain improvements have been made in the new easement and the project closed out, Transportation and Public Works will seek to vacate the existing easement.

#### PRIOR CITY COUNCIL REVIEW

1. On April 23, 2019, the City Council passed a consent motion awarding Contract No. C01133, Cooper Drive Slope Stabilization and Drainage Improvements, to Rege Construction, Inc. of Cloverdale, California, and authorized a total contract amount of \$624,645.50.

#### ANALYSIS

1. On or about March 15, 2019, a new slope failure occurred approximately 50 feet south of the slope failure area that initiated this project.
2. Repairs to the new slope failure were not included in the original contract because the new failure required assessment and additional design.
3. Project geotechnical and design consultants recommended extending the retaining wall to protect new City drainage infrastructure.
4. The redesigned elements increased construction costs for the project.
5. Additional funds are needed to maintain sufficient contingency funds to complete the project.

#### FISCAL IMPACT

Funding for this project has been appropriated to account numbers 17382. No City General Fund money is included in this project.

#### ENVIRONMENTAL IMPACT

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This project is Categorical Exempt pursuant to CEQA Guideline Section 15301 because it consists of the repair and minor alteration of an existing public facility involving no expansion of an existing use.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

NOTIFICATION

Not applicable.

ATTACHMENTS

- None

CONTACT

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