



City of Chula Vista

Staff Report

File#: 14-0636, **Item#:** 20.

CONSIDERATION OF APPROVING A DESIGN/BUILD AGREEMENT WITH WEST COAST GENERAL/CONDON JOHNSON, INC. CONSTRUCTION, AMENDING THE FISCAL YEAR 2014/2015 BUDGET, ESTABLISHING THE TELEGRAPH CANYON ROAD EROSION REPAIR PROJECT, AND APPROPRIATING \$1,800,000 FROM THE GENERAL FUND RESERVES THEREFOR (Continued from February 17, 2015)

RESOLUTION NO. 2015-060 OF THE CITY COUNCIL OF THE CITY OF CHULA VISTA APPROVING THE DESIGN/BUILD AGREEMENT WITH WEST COAST GENERAL/CONDON JOHNSON, INC. CONSTRUCTION FOR THE DESIGN AND CONSTRUCTION OF A SECANT PILE WALL IN TELEGRAPH CANYON; AMENDING THE FISCAL YEAR 2014/2015 CIP BUDGET AND ESTABLISHING A NEW CAPITAL IMPROVEMENT PROJECT "TELEGRAPH CANYON ROAD EROSION REPAIR (DR199)"; AND APPROPRIATING \$1,800,000 FROM THE GENERAL FUND RESERVES TO CIP DR199 (4/5 VOTE REQUIRED)

RECOMMENDED ACTION

Council adopt the resolution.

SUMMARY

Over the years, the embankment along the north side of Telegraph Canyon Road between Paseo Ladera and Medical Center Drive has sustained severe erosion and is now jeopardizing the integrity of the street improvements and associated facilities. The limits of the erosion is now within approximately 5 feet of a wooden fence at the edge of the street right-of-way with near vertical slope faces up to 10 feet in height. The City's geotechnical/hydraulic consultant investigated this location and recommended construction of a buried secant pile retaining wall along the length of the eroding embankment. This resolution will authorize staff to retain a contractor, using the design build contract process, to complete the design and construct a secant pile wall along Telegraph Canyon Road as well as authorize appropriations for this project.

ENVIRONMENTAL REVIEW

The Development Services Director has reviewed the proposed project for compliance with the California Environmental Quality Act (CEQA) and has determined that the project qualifies for a Class 1 categorical exemption pursuant to Section 15301 (Existing Facilities) of the State CEQA Guidelines. Thus, no further environmental review is necessary.

BOARD/COMMISSION RECOMMENDATION

Not Applicable

DISCUSSION

Telegraph Canyon Channel was constructed between 1976 and 1984 to divert and contour the natural channel and allow the widening of Telegraph Canyon Road. Existing improvements along the

northern side of Telegraph Canyon Road include: three westbound asphalt concrete (AC) pavement lanes; a bicycle lane; concrete curb and gutter; 7 foot wide ornamental landscaping strip; 8 foot concrete sidewalk; another 5 to 7 foot wide landscaped area; a wooden fence and a variety of underground utilities. The top of the channel embankment is now only five feet away from the fence at the most critical point.

Upon discovery of the severity of the erosion, City staff solicited Ninyo & Moore and Rick Engineering Company (Consultants), to perform a geotechnical investigation. Ninyo & Moore recommended a buried secant pile wall (secant wall) 760 feet long, 2 feet wide and 26 feet deep be constructed within the Right of Way (ROW) adjacent to the area of channel erosion. The results of their investigation were summarized in two geotechnical reports dated March 8, 2013 and November 4, 2013. Additionally, they used the hydrology report prepared by Rick Engineering dated July 31, 2014 in their analysis/recommendation. The investigation forecasted that future rain events are anticipated to exacerbate the existing conditions and increase the potential for additional embankment failure.

Due to irrigation runoff, the Telegraph Canyon Channel has continuous low flows year round. Gradually, the low flow has been meandering south of its original constructed path in the middle of the channel and is now along the foot of the Telegraph Canyon Road embankment. The low flows are eroding the toe of the embankment causing the upper portion to crumble down during the rainy season's higher flow. This cycle has continued over the years and has now reached a point where further erosion will compromise existing facilities (fence, sidewalk, roadway, utilities, etc.).

Armoring the channel with rock would have an estimated cost of over \$6 Million due to extensive mitigation requirements when working in an active channel. The consultant's proposed alternative is a buried secant pile wall (see attachment). The buried secant wall is a series of overlapping drilled piles installed between the channel and Telegraph Canyon Road paralleling both. Currently enough space exists within the Right of Way and away from the eroded slope face to install the wall. Staff concurs that the secant wall is a better solution. Installing the secant wall eliminates the need to work in the channel and is estimated to cost \$1,800,000. Because installation of the secant wall will not be possible once the eroded face reaches the fence, this alternative is very time sensitive.

To expedite the project, staff chose the design build delivery method. On December 19, 2014, the Department of Public Works Engineering Division issued a Request for Proposals (RFP) for the Secant Pile Wall Project in Telegraph Canyon pursuant to § 2.57 of the City's Municipal Code. The following Design Builders (D/B) were sent request for proposals; Malcolm Drilling, West Coast General/Condon Johnson Company Inc., Hayward Baker Company, JC Baldwin Construction, Western Foundations and McMahon Construction. On January 13, 2015, three of the qualified companies responded to the RFP. Following a review of the proposals, West Coast General/ Condon Johnson Inc. was selected as the respondent who best met the design, monetary, and time criteria of the project with whom City could negotiate an agreement.

As part of D/B's proposal, D/B submitted a "Not to exceed Gross Maximum Price" of the Project in the amount of \$1,758,244.12 ("Estimated Cost"/"EC") including \$83,202 project contingency and \$73,374 for the design and construction documents. Following City's approval of 100% Construction Documents ("CD's), D/B shall submit a Guaranteed Maximum Price ("GMP"), at which time staff may return to Council if the GMP exceeds \$1,800,000.

File#: 14-0636, **Item#:** 20.

DECISION-MAKER CONFLICT

Staff has reviewed the property holdings of the City Council and has found no property holdings within 500 feet of the boundaries of the property which is the subject of this action. Staff is not independently aware, and has not been informed by any City Council member, of any other fact that may constitute a basis for a decision maker conflict of interest in this matter.

LINK TO STRATEGIC GOALS

This project will support the City's Strategic Plan as it seeks to enhance the City's Strategic Goals of Healthy Community by controlling the erosion and creating a safe environment and roadway within Telegraph Canyon Road.

CURRENT YEAR FISCAL IMPACT

Approval of this resolution will result in the establishment of a new CIP, DR199 and appropriate \$1,800,000 from the General Fund Reserves to DR199. This new CIP project will allow the City to enter into a design build agreement to construct a secant pile wall to protect Telegraph Canyon Road from further erosion.

As reported in the audited Financial Statements, the unassigned fund balance (operating reserves) for the City's General Fund totals \$14.3 million as of June 30, 2014. The appropriation of \$1.8 million for this project will reduce the operating reserves from \$14.3 million to \$12.5 million, which is approximately 9.0% of the fiscal year 2015 amended budget.

ONGOING FISCAL IMPACT

After completion of the project, annual routine maintenance will be required.

ATTACHMENTS

1. 50% Design Document
2. RFP
3. Design Build Agreement
4. Schedule of Values
5. Project Schedule
6. Disclosure Statement

Staff Contact: Gordon Day, Building Project Manager, Public Works Engineering Division