



PUBLIC WORKS DEPARTMENT

CITY HALL

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CITY COUNCIL STAFF REPORT

Meeting: July 3, 2018

Subject

Agreement between the City of Cupertino and HNTB, Inc., for professional design services to conduct survey & inspection, recommend perimeter fencing improvements and resolve bearing pin issues for the Don Burnett Bicycle-Pedestrian Bridge.

Recommended Action

Staff recommends Council adopt Resolution No. 18-XXX and take the following actions:

1. Authorize the City Manager or designee to negotiate and enter an agreement with HNTB, Inc. in the amount not to exceed \$69,945 for the above-referenced work, from the date of execution through November 1, 2018;
2. Authorize the City Manager or designee to negotiate and execute all necessary documents and attendant contracts necessary to complete corrective actions on the bridge as may be recommended by HNTB, Inc. in an amount not to exceed \$150,000;
3. Approve amending FY 18/19 Operating Budget to appropriate \$219,945 to the Public Works Agency for the Don Burnett Bicycle-Pedestrian Bridge inspection, repair & maintenance work.

Description

The Don Burnett Bicycle-Pedestrian Bridge was opened to the public in April 2009. Since that time, maintenance requirements of the bridge have been relatively minor and limited to a periodic inspection of the structure. These inspections occurred in 2012 and 2015. Both inspections showed the bridge performing as expected with no major issues. One issue that was discovered in the 2012 inspection was that one of four bearing pins showed movement out of its retaining device. To resolve, stronger retaining connections were designed by HNTB, Inc. (bridge designer) and implemented for all four bearing pins. No significant issues were identified in the 2015 inspection.

In March of this year, while staff was performing maintenance on the handrail, it was observed that a different bearing pin had begun to work its way out of the redesigned retaining connection. Staff inspected the remaining pins and notified HNTB regarding the issue. HNTB assured staff that the integrity of the bridge was sound and the pin was reset. A second issue staff is working to resolve is bridge lighting. Currently the tower up-lights are not operating. An electrical short is suspected.

Discussion

Additional analysis is needed to permanently resolve the issue of bridge pins. Due to the uniqueness of this bridge and role of HNTB in designing the structure, staff recommends that HNTB complete the bearing pin retainage redesign work with a contractor implementing the work. Staff will negotiate this work to be completed with no profit to HNTB. With the effort needed to complete this work it is also an opportunity to complete a new bridge inspection and take any corrective actions that are needed. Lastly, at the request of Homestead High School administrative staff, public works has been asked to improve the effectiveness of perimeter fencing immediately adjacent to the bridge. In 2017, two Homestead High School students climbed the perimeter fencing and threatened to jump off of the bridge onto Hwy 280. In both incidences, the students were talked back to safety with the help of school staff and Sheriff Deputies.

Sustainability Impact

Not applicable.

Fiscal Impact

Staff did not complete negotiations with HNTB until the end of May. If authorized by Council, an additional appropriation not to exceed \$69,945 is needed for the professional design services of HNTB plus an additional appropriation not to exceed \$150,000 is requested for corrective work (including, but not limited to, bearing pins, lighting and perimeter fence improvements) for a total not to exceed amount of \$219,945. The account to receive these funds is Overpasses and Medians 100-86-824 special projects.

Prepared by: Roger Lee, Assistant Director of Public Works Department

Reviewed by: Timm Borden, Director of Public Works Department

Approved for Submission by: David Brandt, City Manager

Attachments:

A – Professional Services Agreement with HNTB

B – Draft Resolution to amend FY 18/19 Operating Budget