



Agenda Item No. _____

File Code No. 530.04

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: October 25, 2011

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract With Arcadis US, Inc. For Environmental Services For The Chapala Bridge Replacement Project

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services contract with Arcadis US, Inc., in the amount of \$13,500 for environmental services for the Chapala Bridge Replacement Project relating to the impact of pile driving in Mission Creek, and authorize the Public Works Director to approve expenditures of up to \$1,350 for extra services of Arcadis US, Inc., that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

In 2010 the Public Works Department contracted with an environmental firm, Arcadis US, Inc. (Arcadis), to prepare a Biological Assessment and Natural Environment Study documentation for the Chapala, Cota, and Mason Street Bridge Projects. These three City bridges received federal aid Highway Bridge Program (HBP) funding, and the Biological Assessment and Natural Environment Study were requirements under the National Environmental Policy Act (NEPA). The three bridge projects are currently in preliminary design phases. The Biological Assessment and Natural Environment Study were used as a basis for the preparation of the Initial Study for the Chapala Bridge Replacement Project (Project). Following the December 2010 public comment period on the Initial Study, the City received a letter from the California Department of Fish and Game in August 2011 requesting an analysis be provided in the Initial Study to address the impacts on fish in Mission Creek from the pile driving operation that is required to construct the new bridge supports.

Public Works closed the original contract in the amount of \$21,975 with Arcadis in July 2011 once Caltrans deemed the Biological Assessment and Natural Environment Study complete. Staff proposes to enter into a new contract with Arcadis to address the additional analysis subsequently requested by Fish and Game. Since the original

contract and proposed contract exceed a combined \$25,000, it is necessary to obtain City Council for approval of the additional cost for environmental services from Arcadis.

PROJECT DESCRIPTION

Arcadis will provide an analysis of the anticipated vibration magnitude that will result from the pile driving of the bridge abutments in the adjacent Mission Creek Estuary, beginning approximately 42 feet from the nearest pile insertion point. The resulting vibration will then be compared to existing data on fish impacts resulting from various levels of vibration. If necessary, recommendations regarding mitigation will be provided. Additional extra services are also requested for any other unforeseen issues in the remaining environmental review process.

FUNDING

The Project is funded by the HBP. The HBP will pay 80% of design costs and 100% of right of way and construction costs. The following summarizes estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

| Design | Project Costs | City Contribution |
|--|----------------------|--------------------------|
| Design (by Contract) - Drake Haglan & Associates – Concept Design | \$173,785 | \$34,757 |
| Design (by Contract) - Drake Haglan & Associates – Preliminary And Final Design | \$394,066 | \$78,813 |
| Applied Earth Work, Inc – Cultural Resource Review | \$74,012 | \$14,802 |
| Arcadis (biological studies) Note the \$21,975 is not documented here since the original contract was spread across three bridge projects. | \$7,325 | \$1,465 |
| Arcadis – additional biological services | \$14,850 | \$2,970 |
| RGA Environmental – lead and asbestos analysis | \$5,875 | \$1,175 |
| City Staff Review (Spent \$95k in staff time to date) | \$165,000 | \$33,000 |
| Design Subtotal | \$834,913 | \$166,982 |
| Construction | Project Costs | City Contribution |
| Construction Contract | \$1,292,485 | \$0 |
| Construction Change Order Allowance | \$129,248 | \$0 |
| Construction Management/Inspection (by Contract) | \$129,248 | \$0 |
| Project Management (by City Staff) | \$129,248 | \$0 |

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|------------------------------|--------------------|------------------|
| Construction Subtotal | \$1,680,229 | \$0 |
| TOTAL PROJECT COST | \$2,515,142 | \$166,982 |

Staff has negotiated an acceptable proposal with Arcadis to perform these contract services. Arcadis was recommended by Community Development staff because of their expertise in preparing biological assessments, knowledge of National Environmental Policy Act/California Environmental Quality Act requirements, and their familiarity with the Caltrans review process. Located in Santa Maria, Arcadis has completed many projects for many surrounding cities, and has proven to be a capable firm. There are sufficient appropriated funds in the Streets Fund to cover the cost of the services.

PREPARED BY: John Ewasiuk, Principal Civil Engineer/JG/DS/sk

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office