Report to Congress for Future Water Resources Development (WRRDA 7001) Submission Package

Proposal Name: Lower Cache Creek Feasibility Study
Submission Date: 08/27/2019
Proposal ID Number: 769a3ae8-c962-40b2-ae99-47823848c609

Purpose of Proposal: USACE is preparing the Lower Cache Creek Feasibility Study to recommend improvements to reduce the risk of flooding to the City of Woodland. The general authority for the feasibility study is in Section 209 of the Flood Control Act of 1962 (Public Law 87-874). USACE determined that a feasibility study would result in a recommended plan that would increase flood protection for the City of Woodland. Because the study has not determined a recommendation there has been no specific congressional authorization for construction. However, after a recommendation is made from the study, construction will be carried out by USACE.
1. Administrative Details

Proposal Name: Lower Cache Creek Feasibility Study

by Agency: Sacramento District of the U.S. Army Corps of Engineers

Locations: CA

POC Name: Michael Musto

POC Phone: (916) 574-1447

POC Email: Michael.Musto@water.ca.gov

Date Submitted: 08/27/2019

Confirmation Number: 769a3ae8-c962-40b2-ae99-47823848c609

Supporting Documents

<table>
<thead>
<tr>
<th>File Name</th>
<th>Date Uploaded</th>
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<tbody>
<tr>
<td>LCCFS Section 7001 - 20190701.pdf</td>
<td>08/27/2019</td>
</tr>
<tr>
<td>woodland map.pdf</td>
<td>08/27/2019</td>
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</tbody>
</table>
2. Provide the name of the primary sponsor and all non-Federal interests that have contributed or are expected to contribute toward the non-Federal share of the proposed feasibility study or modification.

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Letter of Support</th>
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<tbody>
<tr>
<td>State of California Central Valley Flood Protection Board (Primary)</td>
<td>The Board has been working with the Sacramento District project delivery team on completing the LCCFS to be consistent with the 2017 Central Valley Flood Protection Plan and advance the vision for an integrated flood management system in the Central Valley to provide for safe, healthy, and thriving communities while protecting and restoring the environment. The Board confirms its intent to continue to participate as a Non-Federal Sponsor toward the completion of the LCCFS and design and construction of the LCCFS recommended plan. The Board’s financial support is limited to flood control only and contingent on: State legislature authorization and appropriation for construction of the project, federal authorization and appropriation for construction of the project, project benefits outweighing costs, and costs being allocated according to beneficial uses and paid by appropriate parties benefiting from those uses.</td>
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3. State if this proposal is for new feasibility study authority, a modification to an existing feasibility study authority, a modification to an existing USACE project authority, or a modification to an existing USACE Environmental Infrastructure Program authority. If it is a proposal for a modification to an existing study, project or program authority, provide the authorized water resources development feasibility study or project name.

[x] Modification to a USACE Feasibility Study Authority: Lower Cache Creek Feasibility Study
4. Clearly articulate the specific project purpose(s) of the proposed study or modification. Demonstrate that the proposal is related to USACE mission and authorities and specifically address why additional or new authorization is needed.

USACE is preparing the Lower Cache Creek Feasibility Study to recommend improvements to reduce the risk of flooding to the City of Woodland. The general authority for the feasibility study is in Section 209 of the Flood Control Act of 1962 (Public Law 87-874). USACE determined that a feasibility study would result in a recommended plan that would increase flood protection for the City of Woodland. Because the study has not determined a recommendation there has been no specific congressional authorization for construction. However, after a recommendation is made from the study, construction will be carried out by USACE.
5. To the extent practicable, provide an estimate of the total cost, and the Federal and non-Federal share of those costs, of the proposed study and, separately, an estimate of the cost of construction or modification.

<table>
<thead>
<tr>
<th></th>
<th>Federal</th>
<th>Non-Federal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study</td>
<td>$2,716,242</td>
<td>$2,716,242</td>
<td>$5,432,484</td>
</tr>
<tr>
<td>Construction</td>
<td>$83,200,000</td>
<td>$44,800,000</td>
<td>$128,000,000</td>
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</table>

Explanation (if necessary)

The Nonfederal partners have their entire share of funds available to the Study. USACE has most of the necessary federal funds, but still needs some additional dollars. Once the Chief's Report has been approved and included in a WRDA bill, new start funding will be needed to begin construction.
To the extent practicable, describe the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.

Flooding in the City of Woodland would have devastating economic, social, political, and demographic consequences for the region, for the State of California, and for the federal government. There has been significant urban growth in this area and as of 2010 the population in the area was 58,000. There have been recent additions of a new substantial light industrial-commercial presence and additional educational facilities are being built. These new additions, combined with the existing infrastructure and development, are valued at approximately $1,240,000,000. The Urban Area is surrounded by agriculture, with approximately 35,000 residents in the urban area. State Route 113 and Interstate 5 (I-5) also intersect this Urban Area. Existing flood risk management structures are not capable of safely passing large flood flows on Cache Creek. This project proposes additional measures to reduce the risk of flooding in Woodland.
7. Does local support exist? If 'Yes', describe the local support for the proposal.

[x] Yes

Local Support Description

Both the CVFPB and the City of Woodland have expressed their commitment and support for the project.

8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?

[x] Yes
Primary Sponsor Letter of Support

(This is as uploaded, a blank page will show if nothing was submitted)
Subject: Proposal for Lower Cache Creek Project to be Included in the February 2020 U.S. Army Corps of Engineers (USACE) Annual Report to Congress for Future Water Resources Development

Dear Mr. R.D. James:

This letter documents the non-Federal support of the State of California Central Valley Flood Protection Board (CVFPB) for the inclusion of a Section 7001 proposal for the Lower Cache Creek (LCC) feasibility study (study). CVFPB requests additional appropriations for this study to be included in the Annual Report to Congress directed in Section 7001 of the Water Resources Reform and Development Act of 2014. The study is expected to be endorsed by the USACE in a Chief of Engineers Report in December 2020.

This proposal has been submitted online as required at http://www.wrrda7001proposals.us/. The five criteria set forth in Section 7001 of Public law 113-121 are as follows:

(A) **CRITERIA FOR INCLUSION IN REPORT.**—The Secretary shall include in the annual report only those feasibility reports, proposed feasibility studies, and proposed modifications to authorized water resources development projects and feasibility studies that—

(i) **are related to the missions and authorities of the Corps of Engineers;**

USACE is preparing the LCC study which will recommend improvements to reduce the risk of flooding to the City of Woodland. The general authority for the feasibility study is in Section 209 of the Flood Control Act of 1962 (Public Law 87-874).

(ii) **require specific congressional authorization, including by an Act of Congress;**

The study will result in a recommended plan that increases flood protection for the City of Woodland. The recommended plan will require congressional authorization and appropriations to begin construction.
(iii) have not been congressionally authorized;

The LCC study was re-authorized by the Water Resources Development Act of 2018 after the study was suspended in 2015. The study’s proposed alternatives are still being evaluated and have not been congressionally authorized for construction.

(iv) have not been included in any previous annual report; and

The LCC study was included in the 2016 Annual Report.

(v) if authorized, could be carried out by the Corps of Engineers.

After a recommendation is made from the study, construction could be carried out by USACE.

The cost estimate for the feasibility study is $5.4 million developed by USACE with an estimated federal cost of $2.7 million and an estimated non-Federal cost of $2.7 million.

The feasibility study is being developed in accordance with USACE guidance document EC 1165-2-214, which establishes an accountable, comprehensive, life-cycle review strategy for Civil Works products by providing a seamless process for review of all Civil Works projects from initial planning through design, construction, and operation, maintenance, repair, replacement and rehabilitation (OMRR&R). The EC outlines four general levels of review: District Quality Control/Quality Assurance (DQC/QA), Agency Technical Review (ATR), Independent External Peer Review (IEPR), and Policy and Legal Compliance Review. In addition to these levels of review, decision documents are subject to cost engineering review and certification (per EC 1165-2-214) and planning model certification/approval (per EC 1105-2-412).

The USACE’s support in authorizing the LCC study was greatly appreciated, and now this letter is requesting additional appropriations to finish the study.

The City of Woodland and CVFPB have been the non-Federal sponsors for the feasibility study and intend to continue to provide the non-Federal cost share for the construction phase.

Central Valley Flood Protection Board

_______________________________
Leslie Gallagher,
Central Valley Flood Protection Board
Executive Officer
cc:   James C. Dalton, Director of Civil Works
      Headquarters, U.S. Army Corps of Engineers
      441 G Street NW
      Washington, DC 20314

      Curtis Lee, Engineer Geologist
      Department of Water Resources
      Division of Flood Management
      3464 El Camino Avenue, Suite 200
      Sacramento, CA. 95821

      Todd Bernardy, Acting Chief, Flood Projects Office
      Department of Water Resources
      Division of Flood Management
      3464 El Camino Avenue, Suite 200
      Sacramento, CA. 95821
Map Document

(This is as uploaded, a blank page will show if nothing was submitted)
woodland map.pdf
SPREC Project Levee

Cache Creek Settling Basin

PROGRAM
- EIP / USACE
- Repair Types
- Seepage & Stability
- Levee Geometry
- Erosion
- New Levee

Flood Risk Reduction Projects
Woodland

Department of Water Resources
DECEMBER 2017 DRAFT