

SACRAMENTO RIVER BANK  
PROTECTION PROJECT,  
CALIFORNIA PHASE III  
GENERAL REEVALUATION REPORT

Resolution No. 2015-03  
Feasibility Cost Share Agreement

Board Package  
For Review

CVFPB Meeting: February 27, 2015

Agenda Item 4C

RESOLUTION # 2015-03

**Meeting of the Central Valley Flood Protection Board  
February 27, 2015**

**Staff Report**

**Feasibility Cost Sharing Agreement  
Between the Department of the Army and the State of California  
for the  
Sacramento River Bank Protection Project, California Phase III  
General Reevaluation Report**

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**1.0 ITEM**

Consider approval of Resolution No. 2015-03 to:

1. Approve the Feasibility Cost Sharing Agreement for the Sacramento River Bank Protection Project, California Phase III General Reevaluation Report between the Central Valley Flood Protection Board and the U.S. Army Corps of Engineers; and
2. Delegate to the Central Valley Flood Protection Board President the authority to execute the Feasibility Cost Share Agreement in substantially the form attached hereto; and
3. Delegate to the Executive Officer the authority to execute those subsidiary documents that may be necessary for the implementation of the FCSA hereby approved by the Board.

**2.0 SPONSORS**

Federal: U.S. Army Corps of Engineers, Sacramento District (USACE)  
State: The State of California, represented by The Central Valley Flood Protection Board (Board)

**3.0 LOCATION**

The study area of the GRR is confined to the Sacramento River Flood Control Project (SRFCP). The SRFCP is located along the Sacramento River from Elder Creek near Tehama to its confluence with the San Joaquin River in the Sacramento-San Joaquin Delta.

**4.0 DESCRIPTION**

The GRR will evaluate feasible flood risk reduction alternatives and ecosystem restoration benefits within the Sacramento River Flood Control Project and choose the most cost-effective, implementable solution to provide flood protection and ecosystem benefits while representing the FloodSAFE vision, fulfilling SB5 requirements, and

satisfying the USACE National Economic Development (NED) plan. The GRR will be prepared by USACE in concert with the Board.

USACE uses the general reevaluation report to present the results of investigations conducted prior to, and in support of, congressional authorization of a project. The GRR will determine the extent of federal interest in flood risk management and ecosystem restoration within the Sacramento River Flood Control Project.

## **5.0 ANALYSIS**

### **5.1 BACKGROUND**

The Sacramento River Bank Protection Project (Sac Bank) has provided erosion protection to maintain the integrity of the levees and other facilities of the Sacramento River Flood Control Project (SRFCP) since its congressional authorization in 1960. This original authorization (Phase I) provided for construction of 435,000 LF which was completed in 1974.

An additional 405,000 LF of construction was authorized by Congress in 1974 as Sac Bank Phase II and there is currently less than 5,000 LF remaining to be constructed. In the Water Resources Development Act (WRDA) of 2007 an additional 80,000 LF was added to Phase II and at the last Board meeting (January 23, 2015) the Flood Maintenance Office provided an informational briefing on the Post Authorization Change Report (PACR) for this WRDA 2007 amendment to Phase II which identifies federal interest in the Sacramento River Bank Protection Project utilizing current federal guidance for the 80,000 LF. After approval of the PACR it is anticipated that a new construction agreement for the 80,000 LF will be signed at the end of 2015.

The Sac Bank GRR (Phase III) is a continuation of Sac Bank. The State is asking USACE to include system-wide improvements which may necessitate the need for USACE to expand the authorization.

### **5.2 PREVIOUS ACTIONS**

Date:	Action:
1960	Sac Bank Phase I Authorized construction of bank erosion works and setback levees. Completed constructed 430,000 linear feet (LF) of levees in 1974
1974	Sac Bank Phase II Authorized an additional 405,000 LF of bank protection works. Less than 5,000 LF remain and are estimated to be complete in the next few years.
2007	Amendment to Sac Bank Phase II

Authorized an additional 80,000 LF to Phase II. Currently being studied in the Post Authorization Change Report (PACR).

### **5.3 BENEFITS**

By evaluating feasible flood risk reduction alternatives and ecosystem restoration benefits within the Sacramento River Flood Control Project, the Sac Bank GRR aims to develop a Chief's Report that would lead to federal authorization of project(s) while representing the FloodSAFE vision and fulfilling SB5 requirements.

### **5.4 STAFF ANALYSIS**

The State is interested to study systemwide improvements within the Sacramento River Flood Control Project and this is the intent of this GRR.

USACE is currently interested in initiating this GRR and it is the ideal platform to develop a Chief's Report that would provide systemwide benefits in the Sacramento River Flood Control Project.

### **6.0 AUTHORIZATIONS**

Federal: Flood Control Act of 1917 (Public Law 64-367)  
Flood Control Act of 1960 (Public Law 86-645)  
River Basin Monetary Authorization Act 1974 (Public Law 93-251)  
Joint Resolution of Congress (Public Law 97-377)  
Water Resources Development Act (WRDA) 1986 (P.L. 99-662)  
WRDA 2007 (P.L 110-114)

State: California Water Code Sections 8617.1, 12648.1 and 12649.1.

### **7.0 STAFF RECOMMENDATION**

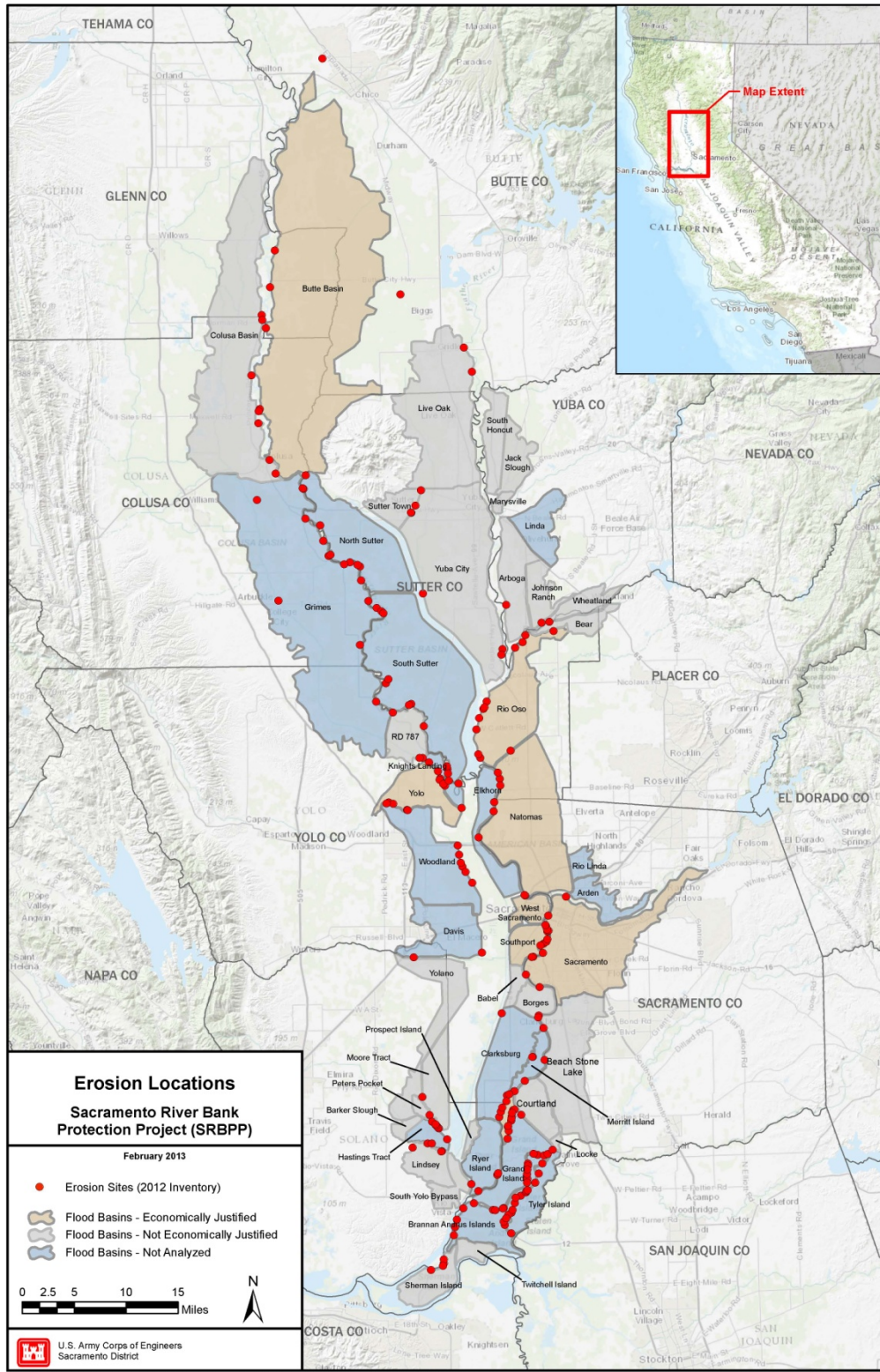
Staff recommends approval of Resolution No. 2015-03 to:

1. Approve the Feasibility Cost Sharing Agreement for the Sacramento River Bank Protection Project, California Phase III General Reevaluation Report between the Central Valley Flood Protection Board and the U.S. Army Corps of Engineers; and
2. Delegate to the Central Valley Flood Protection Board President the authority to execute the Feasibility Cost Share Agreement in substantially the form attached hereto; and
3. Delegate to the Executive Officer the authority to execute those subsidiary documents that may be necessary for the implementation of the FCSA hereby approved by the Board.

## **8.0 ATTACHMENTS**

- A. Location Map – Study Area
- B. Resolution No. 2015-03
- C. Feasibility Cost Share Agreement
- D. PowerPoint Presentation

# Sacramento River Bank Protection Project



STATE OF CALIFORNIA  
CALIFORNIA NATURAL RESOURCES AGENCY  
THE CENTRAL VALLEY FLOOD PROTECTION BOARD

RESOLUTION NUMBER: 2015-03

FEASIBILITY COST SHARING AGREEMENT  
BETWEEN  
THE DEPARTMENT OF THE ARMY  
AND  
THE STATE OF CALIFORNIA  
FOR THE  
SACRAMENTO RIVER BANK PROTECTION PROJECT,  
CALIFORNIA PHASE III  
GENERAL REEVALUATION REPORT

WHEREAS, the Sacramento River Flood Control Project was authorized by Congress in the Flood Control Acts of 1917, 1928, and 1941, as well as the Rivers and Harbors Act of 1937; and

WHEREAS, construction of the Sacramento River Bank Protection Project, was authorized by Congress in the Flood Control Act of 1960 (Public Law 86-645), as supplemented by the River Basin Monetary Authorization Act 1974, (Public Law 93-251), as supplemented further by Joint Resolution of Congress (Public Law 97-377); and

WHEREAS, the Central Valley Flood Protection Board (CVFPB) is authorized to participate in the Sacramento River Bank Protection Project, California Phase III General Reevaluation Report by Water Code sections 8617.1, 12580, 12648.1 and 12649.1; and

WHEREAS, the U.S. Army Corps of Engineers (USACE) has determined that a feasibility study should be undertaken to evaluate the authorized project, using current USACE planning criteria and policies; and

WHEREAS, the Sacramento River Bank Protection Project, California Phase III General Reevaluation Report total study cost is \$3,000,000 and the Non-federal Sponsor's contribution is \$1,400,000.

NOW, THEREFORE, LET IT BE RESOLVED that the Central Valley Flood Protection Board:

1. Approves the Feasibility Cost Sharing Agreement (FCSA) for the Sacramento River Bank Protection Project, California Phase III General Reevaluation Report between the USACE and the CVFPB; and

2. Delegate to the Central Valley Flood Protection Board President the authority to execute the FCSA in substantially the form attached hereto; and
3. Delegate to the Executive Officer the authority to execute those subsidiary documents that may be necessary for the implementation of the FCSA hereby approved by the Board.

PASSED AND ADOPTED by vote of the Board on \_\_\_\_\_, 2015.

BY: \_\_\_\_\_  
William H. Edgar  
President

Date: \_\_\_\_\_

BY: \_\_\_\_\_  
Jane Dolan  
Board Secretary

Date: \_\_\_\_\_

Approved as to Legal Form and Sufficiency:

\_\_\_\_\_  
Robin Brewer  
Counsel



AGREEMENT  
BETWEEN  
THE DEPARTMENT OF THE ARMY  
AND  
STATE OF CALIFORNIA  
FOR THE  
SACRAMENTO RIVER BANK PROTECTION PROJECT, CALIFORNIA PHASE III  
GENERAL REEVALUATION REPORT

THIS AGREEMENT is entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, 2015, by and between the Department of the Army (hereinafter the “Government”), represented by the District Engineer, U.S. Army Corps of Engineers, Sacramento District, and the State of California (hereinafter the “Non-Federal Sponsor”), represented by the President of the Central Valley Flood Protection Board.

WITNESSETH, THAT:

WHEREAS, construction of the Sacramento River Flood Control Project, California, was authorized by Congress in the Flood Control Act, Pub. L. 64-367, §2, 39 Stat. 948 (1917) as amended and modified by subsequent Acts of Congress and as modified by Flood Control Act, Pub. L. 86-654, § 203, 74 Stat. 498 (1960), as supplemented by the River Basin Monetary Authorization Act, Pub. L. 93-252, § 202 , 88 Stat. 49 (1974), and the Continuing Appropriations Resolution, Pub. L. 97-377, § 140, 96 Stat. 1916 (1982), and the Water Resources Development Act, Pub. L. 110-114, §3031, 121 Stat. 1113 (2007);

WHEREAS, due to changed conditions or assumptions, the U.S. Army Corps of Engineers has determined that a feasibility study should be undertaken to reevaluate the authorized project, using current planning criteria and policies, to determine if the plan for the authorized project should be modified;

WHEREAS, the U.S. Army Corps of Engineers has determined that a feasibility study should be undertaken to evaluate the authorized project, using current planning criteria and policies;

WHEREAS, the Government and the Non-Federal Sponsor desire to enter into an agreement (hereinafter the “Agreement”) to conduct such feasibility study (hereinafter the “*Study*” as defined in Article I.A. of this Agreement);

WHEREAS, Section 105(a) of the Water Resources Development Act of 1986, Public Law 99-662, as amended (33 U.S.C. 2215(a)), specifies the cost-sharing requirements applicable to the *Study*;

WHEREAS, the Non-Federal Sponsor desires to provide in-kind contributions (hereinafter the “*in-kind contributions*” as defined in Article I.K. of this Agreement) that are necessary to prepare the feasibility report and to receive credit for such contributions toward the amount of its required contribution for the *Study*;

WHEREAS, the Non-Federal Sponsor may provide up to 100 percent of its required contribution for the *Study* as *in-kind contributions*;

WHEREAS, the Government and Non-Federal Sponsor have the full authority and capability to perform as hereinafter set forth and intend to cooperate in cost-sharing and financing of the *Study* in accordance with the terms of this Agreement; and

WHEREAS, the Government and the Non-Federal Sponsor, in connection with this Agreement, desire to foster a partnering strategy and a working relationship between the Government and the Non-Federal Sponsor through a mutually developed formal strategy of commitment and communication embodied herein, which creates an environment where trust and teamwork prevent disputes, foster a cooperative bond between the Government and the Non-Federal Sponsor, and facilitate the successful *Study*.

NOW, THEREFORE, the Government and the Non-Federal Sponsor agree as follows:

## ARTICLE I – DEFINITIONS

A. The term “*Study*” shall mean the activities and tasks required to identify and evaluate alternatives and the preparation of a decision document that, when appropriate, recommends a coordinated and implementable solution for flood risk management and ecosystem restoration at the Sacramento River Flood Control Project, California, as generally described in Chief’s Report, House Document, Public Law 86 - 645, approved by River Basin Monetary Authorization Act of 1974. Public Law 93 – 252, 202. 88 Stat 49 on 1972. The term includes *in-kind contributions* described in paragraph K. of this Article.

B. The term “*total study costs*” shall mean the sum of all costs incurred by the Non-Federal Sponsor and the Government in accordance with the terms of this Agreement directly related to performance of the *Study*. Subject to the provisions of this Agreement, the term shall include, but is not necessarily limited to: the Government’s costs of plan formulation and evaluation, including applicable economic, engineering, real estate, and environmental analyses; the Government’s costs of preparation of the decision document for the *Study*; the costs of *in-kind contributions* determined in accordance with Article II.E. of this Agreement; the Government’s costs of Agency Technical Review and other review processes required by the Government; the Government’s costs of Independent External Peer Review, if required, except for the costs of any contract for an Independent External Peer Review panel; the Government’s supervision and administration costs; the Non-Federal Sponsor’s and the Government’s costs of participation in the Study Coordination Team in accordance with Article III of this Agreement; the Government’s costs of contract dispute settlements or awards; and the Non-Federal Sponsor’s and the Government’s costs of audit in accordance with Article VI.B. and Article VI.C. of this Agreement. The term does not include any costs of dispute resolution under Article V of this Agreement; any costs incurred as

part of reconnaissance studies; any costs incurred as part of feasibility studies under any other agreement; the Non-Federal Sponsor's costs of negotiating this Agreement; any costs of a contract for an Independent External Peer Review panel; or any costs of negotiating a design agreement for a project or separable element thereof.

C. The term "*study costs to be shared during the period of study*" shall mean the difference between *total study costs* and *excess study costs*.

D. The term "*excess study costs*" shall mean the difference between the most recent estimate of *total study costs* and the amount of *total study costs* specified in Article IV.A.1. of this Agreement, excluding any increase in *total study costs* that resulted from a change in Federal law or a change in the scope of the *Study* requested by the Non-Federal Sponsor or any increase in *total study costs* that otherwise was agreed upon in writing by the parties.

E. The term "*period of study*" shall mean the time from the effective date of this Agreement to the date that:

1. the Assistant Secretary of the Army (Civil Works) submits the feasibility report to the Office of Management and Budget (OMB) for review for consistency with policies and programs of the Administration, if the project or project modification that is the subject of this *Study* will require further Congressional authorization to implement the recommended plan; or

2. the decision document for the study is duly approved by the Government, if the project or project modification that is the subject of this *Study* will not require further Congressional authorization to implement the recommended plan; or

3. the date that this Agreement is terminated in accordance with Article IX of this Agreement.

F. The term "*financial obligations to be shared during the period of study*" shall mean the financial obligations of the Government and the costs for *in-kind contributions*, as determined by the Government, that result or would result in costs that are or would be included in *study costs to be shared during the period of study*.

G. The term "*non-Federal proportionate share*" shall mean the ratio of the sum of the costs included in *study costs to be shared during the period of study* for *in-kind contributions*, as determined by the Government, and the Non-Federal Sponsor's total contribution of funds required by Article II.C.1.b. of this Agreement to *financial obligations to be shared during the period of study*, as projected by the Government.

H. The term "*Federal program funds*" shall mean funds provided by a Federal agency, other than the Department of the Army, plus any non-Federal contribution required as a matching share therefor.

I. The term “*fiscal year*” shall mean one year beginning on October 1 and ending on September 30.

J. The term “*PMP*” shall mean the project management plan, and any modifications thereto, developed by the Government, and agreed to by the Non-Federal Sponsor, that specifies the scope, cost, and schedule for *Study* activities and guides the performance of the *Study* through the *period of study*.

K. The term “*in-kind contributions*” shall mean planning, supervision and administration, services, materials, supplies, and other in-kind services that are performed or provided by the Non-Federal Sponsor after the effective date of this Agreement in accordance with the *PMP* and that are necessary for performance of the *Study*.

## ARTICLE II - OBLIGATIONS OF THE GOVERNMENT AND THE NON-FEDERAL SPONSOR

A. The Government, subject to receiving funds appropriated by the Congress of the United States (hereinafter the “Congress”) and using those funds and funds provided by the Non-Federal Sponsor, expeditiously shall conduct the *Study*, applying those procedures usually applied to Federal projects, in accordance with Federal laws, regulations, and policies. The Non-Federal Sponsor expeditiously shall perform or provide *in-kind contributions* in accordance with applicable Federal laws, regulations, and policies.

1. To the extent possible, the Government and the Non-Federal Sponsor shall conduct the *Study* in accordance with the *PMP*.

2. The Government shall afford the Non-Federal Sponsor the opportunity to review and comment on all products that are developed by contract or by Government personnel during the *period of study*. The Government shall consider in good faith the comments of the Non-Federal Sponsor, but the final approval of all *Study* products shall be exclusively within the control of the Government.

3. The Government shall afford the Non-Federal Sponsor the opportunity to review and comment on the solicitations for all Government contracts, including relevant scopes of work, prior to the Government’s issuance of such solicitations. To the extent possible, the Government shall afford the Non-Federal Sponsor the opportunity to review and comment on all proposed contract modifications, including change orders. In any instance where providing the Non-Federal Sponsor with notification of a contract modification is not possible prior to execution of the contract modification, the Government shall provide such notification in writing at the earliest date possible. To the extent possible, the Government also shall afford the Non-Federal Sponsor the opportunity to review and comment on all contract claims prior to resolution thereof. The Government shall consider in good faith the comments of the Non-Federal Sponsor, but the contents of solicitations, award of contracts or commencement of work on the *Study* using the Government’s own forces,

execution of contract modifications, resolution of contract claims, and performance of all work on the *Study*, except for *in-kind contributions*, shall be exclusively within the control of the Government.

4. At the time the U.S. Army Engineer, Sacramento District (hereinafter the “District Engineer”) furnishes the contractor with the Government’s Written Notice of Acceptance of Completed Work for each contract awarded by the Government for the *Study*, the District Engineer shall furnish a copy thereof to the Non-Federal Sponsor.

5. The Non-Federal Sponsor shall afford the Government the opportunity to review and comment on the solicitations for all contracts for the *in-kind contributions*, including relevant scopes of work, prior to the Non-Federal Sponsor’s issuance of such solicitations. To the extent possible, the Non-Federal Sponsor shall afford the Government the opportunity to review and comment on all proposed contract modifications, including change orders. In any instance where providing the Government with notification of a contract modification is not possible prior to execution of the contract modification, the Non-Federal Sponsor shall provide such notification in writing at the earliest date possible. To the extent possible, the Non-Federal Sponsor also shall afford the Government the opportunity to review and comment on all contract claims prior to resolution thereof. The Non-Federal Sponsor shall consider in good faith the comments of the Government but the contents of solicitations, award of contracts or commencement of work on the *Study* using the Non-Federal Sponsor’s own forces, execution of contract modifications, resolution of contract claims, and performance of all work on the *in-kind contributions* shall be exclusively within the control of the Non-Federal Sponsor.

6. At the time the Non-Federal Sponsor furnishes a contractor with a notice of acceptance of completed work for each contract awarded by the Non-Federal Sponsor for the *in-kind contributions*, the Non-Federal Sponsor shall furnish a copy thereof to the Government.

7. As of the effective date of this Agreement, \$150,000 of Federal funds is currently projected to be available for the *Study*. The Government makes no commitment to request Congress to provide additional Federal funds for the *Study*. Further, the Government’s financial participation in the *Study* is limited to the Federal funds that the Government makes available to the *Study*.

B. The Government shall allocate *total study costs* between *study costs to be shared during the period of study* and *excess study costs*.

C. The Non-Federal Sponsor shall contribute 50 percent of *study costs to be shared during the period of study* in accordance with the provisions of this paragraph.

1. The Non-Federal Sponsor shall provide a contribution of funds as determined below:

a. If the Government projects at any time that the collective value of the

Non-Federal Sponsor's contributions under Article III and Article VI of this Agreement will be less than the Non-Federal Sponsor's required share of 50 percent of *study costs to be shared during the period of study*, the Government shall determine the amount of funds that would be necessary to meet the Non-Federal Sponsor's required share prior to any consideration of the credit the Government projects will be afforded for *in-kind contributions* pursuant to paragraph F of this Article

b. The Non-Federal Sponsor shall provide funds in the amount determined by this paragraph in accordance with Article IV.B. of this Agreement. To determine the contribution of funds the Non-Federal Sponsor shall provide, the Government shall reduce the amount determined in accordance with paragraph C.1.a. of this Article by the amount of credit the Government projects will be afforded for *in-kind contributions* pursuant to paragraph F. of this Article

2. The Government, subject to the availability of funds and as limited by paragraph G. of this Article, shall refund or reimburse to the Non-Federal Sponsor any contributions in excess of 50 percent of *study costs to be shared during the period of study* if the Government determines at any time that the collective value of the following has exceeded 50 percent of *study costs to be shared during the period of study*: (a) the Non-Federal Sponsor's contribution of funds required by paragraph C.1.b. of this Article; (b) the amount of credit to be afforded for *in-kind contributions* pursuant to paragraph F. of this Article; and (c) the value of the Non-Federal Sponsor's contributions under Article III and Article VI of this Agreement.

D. The Non-Federal Sponsor shall contribute 50 percent of *excess study costs* in accordance with the provisions of this paragraph.

1. The Government shall determine the amount of funds that would be necessary to meet the Non-Federal Sponsor's required share prior to any consideration of the credit the Government projects will be afforded for *in-kind contributions* pursuant to paragraph F. of this Article.

2. The Non-Federal Sponsor shall provide funds in the amount determined by this paragraph in accordance with Article IV.C.3. of this Agreement. To determine the contribution of funds the Non-Federal Sponsor shall provide, the Government shall reduce the amount determined in accordance with paragraph D.1. of this Article by the amount of credit the Government projects will be afforded for *in-kind contributions* pursuant to paragraph F. of this Article.

E. The Government shall determine and include in *total study costs* any costs incurred by the Non-Federal Sponsor for *in-kind contributions*, subject to the conditions and limitations of this paragraph. The Non-Federal Sponsor in a timely manner shall provide the Government with such documents as are sufficient to enable the Government to determine the amount of costs to be included in *total study costs* for *in-kind contributions*.

1. Acceptance by the Government of *in-kind contributions* shall be subject to a

review by the Government to verify that all economic, engineering, real estate, and environmental analyses or other items performed or provided as *in-kind contributions* are accomplished in a satisfactory manner and in accordance with applicable Federal laws, regulations, and policies, and to verify that all analyses, services, materials, supplies, and other in-kind services provided as *in-kind contributions* are necessary for the *Study*.

2. The Non-Federal Sponsor's costs for *in-kind contributions* that may be eligible for inclusion in *total study costs* pursuant to this Agreement shall be subject to an audit in accordance with Article VI.C. of this Agreement to determine the reasonableness, allocability, and allowability of such costs.

3. The Non-Federal Sponsor's costs for *in-kind contributions* that may be eligible for inclusion in *total study costs* pursuant to this Agreement are not subject to interest charges, nor are they subject to adjustment to reflect changes in price levels between the time the *in-kind contributions* are provided and the time the costs are included in *total study costs*.

4. The Government shall not include in *total study costs* any costs for *in-kind contributions* paid by the Non-Federal Sponsor using *Federal program funds* unless the Federal agency providing the funds verifies in writing that such funds are authorized to be used to carry out the *Study*.

5. The Government shall not include in *total study costs* any costs for *in-kind contributions* in excess of the Government's estimate of the costs of the *in-kind contributions* if the services, materials, supplies, and other in-kind services had been provided by the Government.

F. The Government, in accordance with this paragraph, shall afford credit toward the amount of funds determined in accordance with paragraph C.1.a. and paragraph D.1. of this Article for the costs of *in-kind contributions* determined in accordance with paragraph E. of this Article. The credit for *in-kind contributions* first shall be afforded toward the amount of funds determined in accordance with paragraph C.1.a. of this Article. If the amount of credit afforded exceeds the amount of funds determined in accordance with paragraph C.1.a. of this Article, the remaining portion of credit to be afforded shall be afforded toward the amount of funds determined in accordance with paragraph D.1. of this Article. However, the maximum amount of credit that can be afforded for *in-kind contributions* shall not exceed the least of the following amounts as determined by the Government: the amount of funds determined in accordance with paragraph C.1.a. and paragraph D.1. of this Article; the costs of *in-kind contributions* determined in accordance with paragraph E. of this Article; or 50 percent of *total study costs*.

G. Notwithstanding any other provision of this Agreement, the Non-Federal Sponsor shall not be entitled to reimbursement of any costs of *in-kind contributions* determined in accordance with paragraph E. of this Article and included in *total study costs* that exceed the amount of credit afforded for *in-kind contributions* determined in accordance with paragraph F. of this Article and the Non-Federal Sponsor shall be responsible for 100 percent of all costs of

*in-kind contributions* included in *total study costs* that exceed the amount of credit afforded.

H. Upon conclusion of the *period of study*, the Government shall conduct an accounting, in accordance with Article IV.C. of this Agreement, and furnish the results to the Non-Federal Sponsor.

I. The Non-Federal Sponsor shall not use *Federal program funds* to meet any of its obligations for the *Study* under this Agreement unless the Federal agency providing the funds verifies in writing that such funds are authorized to be used to carry out the *Study*.

J. This Agreement shall not be construed as obligating either party to implement a project. Whether the Government supports a project authorization, if authorization is required, and budgets for implementation of the project depends upon, among other things, the outcome of the *Study* and whether the proposed solution is consistent with the Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies and with the budget priorities of the Administration.

### ARTICLE III - STUDY COORDINATION TEAM

A. To provide for consistent and effective communication, the Non-Federal Sponsor and the Government, not later than 30 calendar days after the effective date of this Agreement, shall appoint named senior representatives to a Study Coordination Team. Thereafter, the Study Coordination Team shall meet regularly until the end of the *period of study*. The Government's Project Manager and a counterpart named by the Non-Federal Sponsor shall co-chair the Study Coordination Team.

B. The Government's Project Manager and the Non-Federal Sponsor's counterpart shall keep the Study Coordination Team informed of the progress of the *Study* and of significant pending issues and actions, and shall seek the views of the Study Coordination Team on matters that the Study Coordination Team generally oversees.

C. Until the end of the *period of study*, the Study Coordination Team shall generally oversee the *Study*, including matters related to: plan formulation and evaluation, including applicable economic, engineering, real estate, and environmental analyses; scheduling of reports and work products; independent technical review and other review processes required by the Government; external peer review, if required; completion of all necessary environmental coordination and documentation; contract awards and modifications; contract costs; the Government's cost projections; the performance of, scheduling, and determining the value of *in-kind contributions*; determination of anticipated future requirements for real property and relocation requirements and performance of operation, maintenance, repair, rehabilitation, and replacement of the proposed project including anticipated requirements for permits; and other matters related to the *Study*. This oversight of the *Study* shall be consistent with the *PMP*.

D. The Study Coordination Team may make recommendations to the District Engineer on matters related to the *Study* that the Study Coordination Team generally oversees, including



suggestions to avoid potential sources of dispute. The Government in good faith shall consider the recommendations of the Study Coordination Team. The Government, having the legal authority and responsibility for performance of the *Study* has the discretion to accept or reject, in whole or in part, the Study Coordination Team's recommendations.

E. The Non-Federal Sponsor's costs of participation in the Study Coordination Team shall be included in *total study costs* and shared in accordance with the provisions of this Agreement, subject to an audit in accordance with Article IV.C. of this Agreement to determine reasonableness, allocability, and allowability of such costs. The Government's costs of participation in the Study Coordination Team shall be included in *total study costs* and shared in accordance with the provisions of this Agreement.

#### ARTICLE IV - METHOD OF PAYMENT

A. In accordance with the provisions of this paragraph, the Government shall maintain current records and provide to the Non-Federal Sponsor current projections of costs, financial obligations, the contributions provided by the parties, the costs included in *total study costs* for *in-kind contributions* determined in accordance with Article II.E. of this Agreement, and the credit to be afforded for *in-kind contributions* pursuant to Article II.F. of this Agreement.

1. As of the effective date of this Agreement, *total study costs* are projected to be \$2,800,000; the value of the Non-Federal Sponsor's contributions under Article III and Article VI of this Agreement is projected to be \$100,000; the amount of funds determined in accordance with Article II.C.1.a. of this Agreement is projected to be \$1,300,000; the costs included in *total study costs* for *in-kind contributions* determined in accordance with Article II.E. of this Agreement are projected to be \$520,000; the credit to be afforded for *in-kind contributions* pursuant to Article II.F. of this Agreement is projected to be \$520,000; the Non-Federal Sponsor's contribution of funds required by Article II.C.1.b. of this Agreement is projected to be \$780,000; and the *non-Federal proportionate share* is projected to be 48 percent. These amounts and percentage are estimates subject to adjustment by the Government, after consultation with the Non-Federal Sponsor, and are not to be construed as the total financial responsibilities of the Government and the Non-Federal Sponsor.

2. By April 30, 2015 and by each quarterly anniversary thereof until the conclusion of the *period of study* and resolution of all relevant claims and appeals, the Government shall provide the Non-Federal Sponsor with a report setting forth all contributions provided to date and the current projections of the following: *total study costs*; *study costs to be shared during the period of study*; the value of the Non-Federal Sponsor's contributions under Article III and Article VI of this Agreement; the amount of funds determined in accordance with Article II.C.1.a. of this Agreement; the Non-Federal Sponsor's contribution of funds required by Article II.C.1.b. of this Agreement; *excess study costs*; the amount of funds determined in accordance with Article II.D.1. of this Agreement; the Non-Federal Sponsor's contribution of funds required

by Article II.D.2. of this Agreement; the costs included in *total study costs* for *in-kind contributions* determined in accordance with Article II.E. of this Agreement; the credit to be afforded for *in-kind contributions* pursuant to Article II.F. of this Agreement; the total contribution of funds required from the Non-Federal Sponsor for the upcoming contract and upcoming *fiscal year*; and the *non-Federal proportionate share*.

B. The Non-Federal Sponsor shall provide the contribution of funds required by Article II.C.1.b. of this Agreement in accordance with the provisions of this paragraph.

1. Not less than 7 calendar days after the effective date of this Agreement, the Government shall notify the Non-Federal Sponsor in writing of the funds the Government determines to be required from the Non-Federal Sponsor to meet: (a) the *non-Federal proportionate share of financial obligations to be shared during the period of study* incurred prior to the commencement of the *period of study*; (b) the projected *non-Federal proportionate share of financial obligations to be shared during the period of study* to be incurred for such contract; and (c) the projected *non-Federal proportionate share of financial obligations to be shared during the period of study* using the Government's own forces through the first *fiscal year*. Within 30 calendar days of receipt of such notice, the Non-Federal Sponsor shall provide the Government with the full amount of such required funds by delivering a check payable to "FAO, USAED, Sacramento District, EROC L2" to the District Engineer, or verifying to the satisfaction of the Government that the Non-Federal Sponsor has deposited such required funds in an escrow or other account acceptable to the Government, with interest accruing to the Non-Federal Sponsor, or by presenting the Government with an irrevocable letter of credit acceptable to the Government for such required funds, or by providing an Electronic Funds Transfer of such required funds in accordance with procedures established by the Government.

2. Thereafter, until the work on the *Study* is complete, the Government shall notify the Non-Federal Sponsor in writing of the funds the Government determines to be required from the Non-Federal Sponsor, and the Non-Federal Sponsor shall provide such funds in accordance with the provisions of this paragraph.

a. The Government shall notify the Non-Federal Sponsor in writing, no later than 60 calendar days prior to the scheduled date for issuance of the solicitation for each remaining contract for work on the *Study*, of the funds the Government determines to be required from the Non-Federal Sponsor to meet the projected *non-Federal proportionate share of financial obligations to be shared during the period of study* to be incurred for such contract. No later than such scheduled date, the Non-Federal Sponsor shall make the full amount of such required funds available to the Government through any of the payment mechanisms specified in paragraph B.1. of this Article.

b. The Government shall notify the Non-Federal Sponsor in writing, no later than 60 calendar days prior to the beginning of each *fiscal year* in which the Government projects that it will make *financial obligations to be shared during the period of study* using the Government's own forces, of the funds the Government determines to be required from the Non-

Federal Sponsor to meet the projected *non-Federal proportionate share of financial obligations to be shared during the period of study* using the Government's own forces for that *fiscal year*. No later than 30 calendar days prior to the beginning of that *fiscal year*, the Non-Federal Sponsor shall make the full amount of such required funds for that *fiscal year* available to the Government through any of the payment mechanisms specified in paragraph B.1. of this Article.

3. The Government shall draw from the funds provided by the Non-Federal Sponsor such sums as the Government deems necessary, when considered with any credit the Government projects will be afforded for *in-kind contributions* pursuant to Article II.F. of this Agreement, to cover: (a) the *non-Federal proportionate share of financial obligations to be shared during the period of study* incurred prior to the commencement of the *period of study*; and (b) the *non-Federal proportionate share of financial obligations to be shared during the period of study* as *financial obligations to be shared during the period of study* are incurred. If at any time the Government determines that additional funds will be needed from the Non-Federal Sponsor to cover the Non-Federal Sponsor's share of such financial obligations for the current contract or to cover the Non-Federal Sponsor's share of such financial obligations for work performed using the Government's own forces in the current *fiscal year*, the Government shall notify the Non-Federal Sponsor in writing of the additional funds required and provide an explanation of why additional funds are required. Within 60 calendar days from receipt of such notice, the Non-Federal Sponsor shall provide the Government with the full amount of such additional required funds through any of the payment mechanisms specified in paragraph B.1. of this Article.

C. Upon conclusion of the *period of study* and resolution of all relevant claims and appeals, the Government shall conduct a final accounting and furnish the Non-Federal Sponsor with written notice of the results of such final accounting. If outstanding relevant claims and appeals prevent a final accounting from being conducted in a timely manner, the Government shall conduct an interim accounting and furnish the Non-Federal Sponsor with written notice of the results of such interim accounting. Once all outstanding relevant claims and appeals are resolved, the Government shall amend the interim accounting to complete the final accounting and furnish the Non-Federal Sponsor with written notice of the results of such final accounting. The interim or final accounting, as applicable, shall determine *total study costs*, *study costs to be shared during the period of study*, and *excess study costs*. In addition, the interim or final accounting, as applicable, shall determine each party's required share thereof, and each party's total contributions thereto as of the date of such accounting.

1. Should the interim or final accounting, as applicable, show that the Non-Federal Sponsor's total required share of *study costs to be shared during the period of study* exceeds the Non-Federal Sponsor's total contributions provided thereto, the Non-Federal Sponsor, no later than 90 calendar days after receipt of written notice from the Government, shall make a payment to the Government in an amount equal to the difference by delivering a check payable to "FAO, USAED, Sacramento District, EROC L2" to the District Engineer or by providing an Electronic Funds Transfer in accordance with procedures established by the

Government.

2. Should the interim or final accounting, as applicable, show that the total contributions provided by the Non-Federal Sponsor for *study costs to be shared during the period of study* exceed the Non-Federal Sponsor's total required share thereof, the Government, subject to the availability of funds and as limited by Article II.G. of this Agreement, shall refund or reimburse the excess amount to the Non-Federal Sponsor within 90 calendar days of the date of completion of such accounting. In the event the Non-Federal Sponsor is due a refund or reimbursement and funds are not available to refund or reimburse the excess amount to the Non-Federal Sponsor, the Government shall seek such appropriations as are necessary to make the refund or reimbursement.

3. Should the final accounting show that the Non-Federal Sponsor's total required share of *excess study costs* exceeds the Non-Federal Sponsor's total contributions provided thereto the Non-Federal Sponsor, within the applicable time frame described below, shall make a payment to the Government in an amount equal to the difference by delivering a check payable to "FAO, USAED, Sacramento District, EROC L2" to the District Engineer or by providing an Electronic Funds Transfer in accordance with procedures established by the Government.

a. If the project or project modification that is the subject of this *Study* will require further Congressional authorization to implement the recommended plan and:

i. the project or project modification is authorized for construction – then the payment shall be made no later than the date on which a Project Partnership Agreement is entered into for the project or project modification; or

ii. the project or project modification is not authorized for construction within 5 years after the date of the final Report of the Chief of Engineers concerning the project or project modification – then the payment shall be made no later than 5 years after the date of the final Report of the Chief of Engineers; or

iii. the *Study* is terminated and the project or project modification is not authorized for construction - then the payment shall be made no later than 2 years after such termination date.

b. If the project or project modification that is the subject of this *Study* will not require further Congressional authorization to implement the recommended plan, then the payment shall be made:

i. no later than the date on which a Project Partnership Agreement is entered into for the project or project modification; or

ii. no later than 5 years after the date the decision document is

duly approved by the Government; or

iii. no later than 2 years after the date of the termination of the *Study*, whichever is earliest.

## ARTICLE V - DISPUTE RESOLUTION

As a condition precedent to a party bringing any suit for breach of this Agreement, that party must first notify the other party in writing of the nature of the purported breach and seek in good faith to resolve the dispute through negotiation. If the parties cannot resolve the dispute through negotiation, they may agree to a mutually acceptable method of non-binding alternative dispute resolution with a qualified third party acceptable to both parties. Each party shall pay an equal share of any costs for the services provided by such a third party as such costs are incurred. The existence of a dispute shall not excuse the parties from performance pursuant to this Agreement.

## ARTICLE VI - MAINTENANCE OF RECORDS AND AUDIT

A. Not later than 60 calendar days after the effective date of this Agreement, the Government and the Non-Federal Sponsor shall develop procedures for keeping books, records, documents, or other evidence pertaining to costs and expenses incurred pursuant to this Agreement. These procedures shall incorporate, and apply as appropriate, the standards for financial management systems set forth in the Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments at 32 C.F.R. Section 33.20 . The Government and the Non-Federal Sponsor shall maintain such books, records, documents, or other evidence in accordance with these procedures and for a minimum of three years after completion of the accounting for which such books, records, documents, or other evidence were required. To the extent permitted under applicable Federal laws and regulations, the Government and the Non-Federal Sponsor shall each allow the other to inspect such books, records, documents, or other evidence.

B. In accordance with 32 C.F.R. Section 33.26, the Non-Federal Sponsor is responsible for complying with the Single Audit Act Amendments of 1996 (31 U.S.C. 7501-7507), as implemented by OMB Circular No. A-133 and Department of Defense Directive 7600.10. Upon request of the Non-Federal Sponsor and to the extent permitted under applicable Federal laws and regulations, the Government shall provide to the Non-Federal Sponsor and independent auditors any information necessary to enable an audit of the Non-Federal Sponsor's activities under this Agreement. The costs of any non-Federal audits performed in accordance with this paragraph shall be allocated in accordance with the provisions of OMB Circulars A-87 and A-133, and such costs as are allocated to the *Study* shall be included in *total study costs* and shared in accordance with the provisions of this Agreement.

C. In accordance with 31 U.S.C. 7503, the Government may conduct audits in addition to any audit that the Non-Federal Sponsor is required to conduct under the Single Audit Act Amendments of 1996. Any such Government audits shall be conducted in accordance with Government Auditing Standards and the cost principles in OMB Circular A-87 and other applicable cost principles and regulations. The costs of Government audits performed in accordance with this paragraph shall be included in *total study costs* and shared in accordance with the provisions of this Agreement.

## ARTICLE VII - FEDERAL AND STATE LAWS

In the exercise of their respective rights and obligations under this Agreement, the Non-Federal Sponsor and the Government shall comply with all applicable Federal and State laws and regulations, including, but not limited to: Section 601 of the Civil Rights Act of 1964, Public Law 88-352 (42 U.S.C. 2000d) and Department of Defense Directive 5500.11 issued pursuant thereto and Army Regulation 600-7, entitled “Nondiscrimination on the Basis of Handicap in Programs and Activities Assisted or Conducted by the Department of the Army”.

## ARTICLE VIII - RELATIONSHIP OF PARTIES

A. In the exercise of their respective rights and obligations under this Agreement, the Government and the Non-Federal Sponsor each act in an independent capacity, and neither is to be considered the officer, agent, or employee of the other.

B. In the exercise of its rights and obligations under this Agreement, neither party shall provide, without the consent of the other party, any contractor with a release that waives or purports to waive any rights the other party may have to seek relief or redress against that contractor either pursuant to any cause of action that the other party may have or for violation of any law.

## ARTICLE IX - TERMINATION OR SUSPENSION

A. Prior to conclusion of the *period of study*, upon 30 calendar days written notice to the other party, either party may elect without penalty to terminate this Agreement or to suspend future performance under this Agreement. In the event that either party elects to suspend future performance under this Agreement pursuant to this paragraph, such suspension shall remain in effect until either the Government or the Non-Federal Sponsor elects to terminate this Agreement.

B. If at any time the Non-Federal Sponsor fails to fulfill its obligations under this Agreement, the Assistant Secretary of the Army (Civil Works) shall terminate this Agreement or suspend future performance under this Agreement unless the Assistant Secretary of the Army (Civil Works) determines that continuation of performance of the *Study* is in the interest of the United

States or is necessary in order to satisfy agreements with any other non-Federal interests in connection with the *Study*.

C. In the event the Government projects that the amount of Federal funds the Government will make available to the *Study* through the then-current *fiscal year*, or the amount of Federal funds the Government will make available for the *Study* through the upcoming *fiscal year*, is not sufficient to meet the Federal share of *total study costs* that the Government projects to be incurred through the then-current or upcoming *fiscal year*, as applicable, the Government shall notify the Non-Federal Sponsor in writing of such insufficiency of funds and of the date the Government projects that the Federal funds that will have been made available to the *Study* will be exhausted. Upon the exhaustion of Federal funds made available by the Government to the *Study*, future performance under this Agreement shall be suspended. Such suspension shall remain in effect until such time that the Government notifies the Non-Federal Sponsor in writing that sufficient Federal funds are available to meet the Federal share of *total study costs* the Government projects to be incurred through the then-current or upcoming *fiscal year*, or the Government or the Non-Federal Sponsor elects to terminate this Agreement.

D. In the event that one or more of the Non-Federal Sponsors elects to terminate its responsibilities under this Agreement, and the remaining Non-Federal Sponsor(s) elects to continue to participate in the *Study*, the Government shall negotiate in good faith with the remaining Non-Federal Sponsor(s) to effect a timely and productive conclusion to that portion of the *Study* pertaining to the area of statutory authority applicable for the remaining Non-Federal Sponsor(s). The Government shall prepare a revised *PMP* and revised estimate of *total study costs* to complete that portion of the *Study* of interest to the remaining Non-Federal Sponsor(s). If the remaining Non-Federal Sponsor(s) elects to complete the *Study*, this Agreement shall be amended to reflect the negotiated revisions to the scope of the *Study* defined in Article I.A. of this Agreement and the estimate of *total study costs* in Article IV.A.1. of this Agreement. Amendments to this Agreement made pursuant to this paragraph shall reflect credits for the contribution of funds and *in-kind contributions* provided previously by all of the *Study* sponsors and shall reflect task reductions made as a result of withdrawal of any *Study* sponsor.

E. In the event that this Agreement is terminated pursuant to this Article, the parties shall conclude their activities relating to the *Study* and conduct an accounting in accordance with Article IV.C. of this Agreement. To provide for this eventuality, the Government may reserve a percentage of total Federal funds made available for the *Study* and an equal percentage of the total funds contributed by the Non-Federal Sponsor in accordance with Article II.C.1.b. of this Agreement as a contingency to pay costs of termination, including any costs of resolution of contract claims and contract modifications. Upon termination of this Agreement, all data and information generated as part of the *Study* shall be made available to the parties to the Agreement.

F. Any termination of this Agreement or suspension of future performance under this Agreement in accordance with this Article shall not relieve the parties of liability for any obligation previously incurred. Any delinquent payment owed by the Non-Federal Sponsor shall be charged interest at a rate, to be determined by the Secretary of the Treasury, equal to 150 per centum of the

average bond equivalent rate of the 13 week Treasury bills auctioned immediately prior to the date on which such payment became delinquent, or auctioned immediately prior to the beginning of each additional 3 month period if the period of delinquency exceeds 3 months.

#### ARTICLE X - NOTICES

A. Any notice, request, demand, or other communication required or permitted to be given under this Agreement shall be deemed to have been duly given if in writing and delivered personally or sent by telegram or mailed by first-class, registered, or certified mail, as follows:

If to the Non-Federal Sponsor:

Central Valley Flood Protection Board  
Executive Officer  
3310 El Camino Avenue, Room 151  
Sacramento, CA 95821

If to the Government:

U.S. Army Corps of Engineers  
District Engineer  
Sacramento District  
Sacramento, CA 95814-2922

B. A party may change the address to which such communications are to be directed by giving written notice to the other party in the manner provided in this Article.

C. Any notice, request, demand, or other communication made pursuant to this Article shall be deemed to have been received by the addressee at the earlier of such time as it is actually received or seven calendar days after it is mailed.

#### ARTICLE XI - CONFIDENTIALITY

To the extent permitted by the laws governing each party, the parties agree to maintain the confidentiality of exchanged information when requested to do so by the providing party.

#### ARTICLE XII - THIRD PARTY RIGHTS, BENEFITS, OR LIABILITIES

Nothing in this Agreement is intended, nor may be construed, to create any rights, confer any benefits, or relieve any liability, of any kind whatsoever in any third person not party to this



Agreement.

### ARTICLE XIII - OBLIGATIONS OF FUTURE APPROPRIATIONS

A. Nothing herein shall constitute, nor be deemed to constitute, an obligation of future appropriations by the Legislature of the State of California, where creating such an obligation would be inconsistent with Article XVI, Section 1 of the Constitution of the State of California.

B. The Non-Federal Sponsor intends to fulfill its obligations under this Agreement. The Non-Federal Sponsor shall include in its budget request or otherwise propose appropriations of funds in amounts sufficient to fulfill these obligations for that year, and shall use all reasonable and lawful means to secure those appropriations. The Non-Federal Sponsor reasonably believes that funds in amounts sufficient to fulfill these obligations lawfully can and will be appropriated and made available for this purpose. In the event funds are not appropriated in amounts sufficient to fulfill these obligations, the Non-Federal Sponsor shall use its best efforts to satisfy any requirements for payments or contributions of funds under this Agreement from any other source of funds legally available for this purpose. Further, if the Non-Federal Sponsor is unable to fulfill these obligations, the Government may exercise any legal rights it has to protect the Government's interests related to this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, which shall become effective upon the date it is signed by the District Engineer for the U.S. Army Corps of Engineers, Sacramento District.

DEPARTMENT OF THE ARMY

STATE OF CALIFORNIA

BY: \_\_\_\_\_

Michael J. Farrell  
Colonel, U.S. Army  
District Engineer

BY: \_\_\_\_\_

William H. Edgar  
President  
Central Valley Flood Protection Board

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

## CERTIFICATE OF AUTHORITY

I, Robin Brewer\_\_\_\_\_, do hereby certify that for this Project, I am the principal legal officer of the State of California, Central Valley Flood Protection Board and that the State of California, Central Valley Flood Protection Board is a legally constituted public body with full authority and legal capability to perform the terms of the Agreement between the Department of the Army and the State of California, Central Valley Flood Protection Board in connection with the feasibility study for the Sacramento River Protection Project, California, Phase III, General Reevaluation Report , and to pay damages, if necessary, in the event of the failure to perform in accordance with the terms of this Agreement and that the persons who have executed this Agreement on behalf of the State of California, Central Valley Flood Protection Board have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this  
\_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

Robin Brewer  
Legal Counsel

## CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

William H. Edgar  
President  
Central Valley Flood Protection Board

DATE: \_\_\_\_\_



# **Sacramento River Bank Protection Project, California Phase III General Reevaluation Report (Sac Bank GRR)**

## **Feasibility Cost Sharing Agreement**

**Agenda Item 4C: Resolution 2015-03  
February 27, 2015**

Corey T. Lasso, PE  
Project Manager  
USACE / CVFPB  
Studies Section



# Study Sponsors



**US Army Corps  
of Engineers®**

United States Army Corps of Engineers  
Sacramento District (USACE)



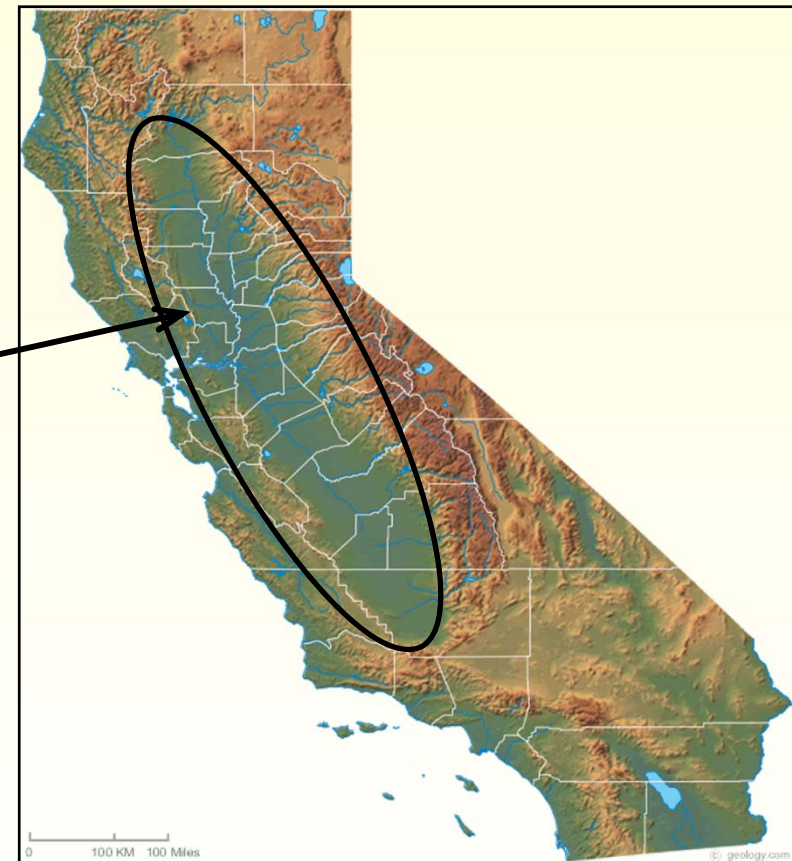
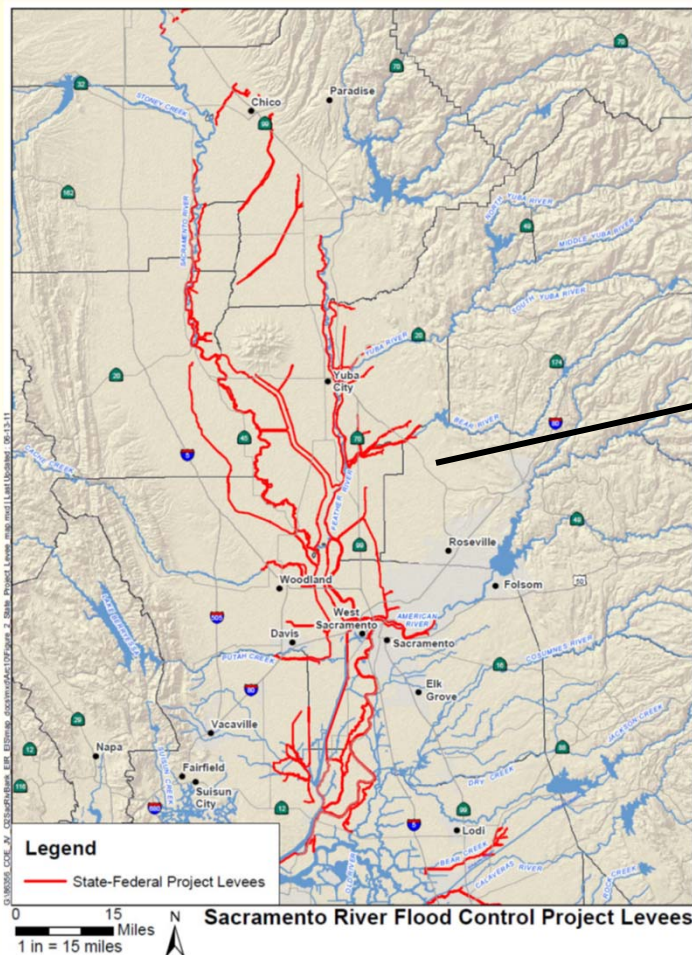
Central Valley Flood Protection Board  
(Board)



# Requested Board Action

- Resolution 2015-03 proposes the Feasibility Cost Sharing Agreement which allow the sponsors to enter into a cost sharing agreement for the Sacramento River Bank Protection Project, California Phase III GRR.
- Staff is seeking Board approval for the Feasibility Cost Sharing Agreement

# Sac Bank GRR Study Area



# Study Goals

## **The Sacramento River Bank Protection Project, California Phase III GRR will:**

- Evaluate flood risk reduction alternatives and ecosystem restoration benefits.
- Determine extent of Federal interest.
- Recommend alternatives consistent with the Central Valley Flood Protection Plan (CVFPP).
- Authorize project(s) in accordance with Senate Bill 5.





# History

- 1917 Sacramento River Flood Control Project – Flood Control Act of 1917
- Provides for rectification and enlargement of river channels and the construction of weirs.
- 1960 Sac Bank Phase I - Flood Control Act of 1960
- Authorized construction of bank erosion works and setback levees.
  - Construct 430,000 linear feet (LF) of levees; Completed in 1974
- 1974 Sac Bank Phase II - River Basin Monetary Authorization
- Authorized an additional 405,000 LF of bank protection works.
  - 4,000 LF remain and are estimated to be complete in the next few years
- 2007 Amendment to Sac Bank Phase II – WRDA 2007
- Authorized an additional 80,000 LF to Phase II.
  - Currently in the study phase

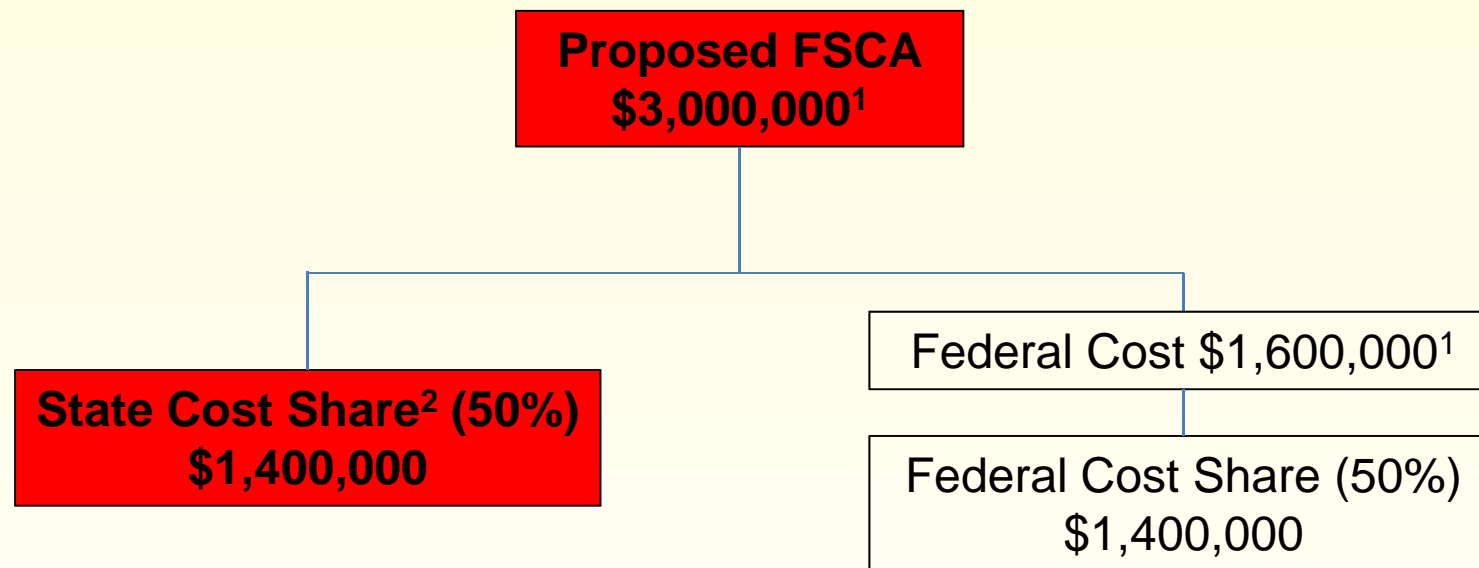
# USACE Study Schedule

## USACE Milestones

## Estimated Completion

- |  |               |
|--|---------------|
| • Planning Charrette (Determine Scope)     | June 2015     |
| • Milestone #1 (Identify Alternatives)     | March 2016    |
| • Milestone #2 (Tentatively Selected Plan) | December 2016 |
| • Milestone #3 (Agency Decision)           | August 2017   |
| • Milestone #4 (Final Report)              | February 2018 |
| • Milestone #5 (Chief's Report)            | June 2018     |

## Preliminary Estimated Cost Feasibility Cost Share Agreement (FCSA)



1. USACE pays the Independent External Peer Review which is not cost shared at an estimated \$200,000. This leaves \$2,800,000 to be cost shared (\$1,400,000 for each USACE and the State).
2. Up to 100% of the state cost share may be provided as in-kind contributions.



# Staff Recommendation

## Adopt Resolution No. 2015-03 to:

1. Approve the Feasibility Cost Sharing Agreement for the Sacramento River Bank Protection Project, California Phase III General Reevaluation Report between the Central Valley Flood Protection Board and the U.S. Army Corps of Engineers; and
2. Delegate to the Central Valley Flood Protection Board President the authority to execute the Feasibility Cost Share Agreement in substantially the form attached hereto; and
3. Delegate to the Executive Officer the authority to execute those subsidiary documents that may be necessary for the implementation of the FCSA hereby approved by the Board.

## Questions?



### **DWR:**

Corey T. Lasso, Project Manager  
(916) 574-1439  
Corey.Lasso@water.ca.gov



**US Army Corps  
of Engineers®**

### **USACE:**

Charles L. Austin Project Manager  
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