

**COUNTY OF YOLO**  
**COUNTY ADMINISTRATOR'S OFFICE**  
**WORK AUTHORIZATION**  
**ARCHITECTURAL/ENGINEERING SERVICES**

**Agreement Number:**

**BOS Agreement Number:**

**General Services Number:**

**Project:** Flood Risk Reduction & Small Communities Grant Implementation

**Contractor:** MBK Engineers

**Contact Person:** Ric Reinhardt      **Phone:** 916.456.4400

**Project Description:**

Yolo County is the recipient of three Small Community Flood Risk Reduction Program (SCFRRP) Commitment Letters from the California Department of Water Resources (DWR), in order to receive grants to prepare feasibility studies for Knights Landing, the Community of Yolo, and Clarksburg. MBK Engineers (MBK) is the prime contractor for each of these studies. MBK will be supporting Yolo County on the administration of each grant, providing project management and leadership to each study team, and will perform each project's hydrology and hydraulic modeling.

The budget on the following page, represents the efforts which are necessary to carry out the proposed work described in the scope of work, schedule, and budget exhibits, which were approved by DWR for Yolo County's SCFRRP funding agreement for each community. Task 1 provides an estimate of MBK's project management effort to manage the sub consultant contracts and team members for the three studies, along with providing the necessary technical services for each study; the team members' estimate for the Knights Landing Feasibility Study is covered in Task 2; Task 3 comprises the team members' estimate for the Community of Yolo Feasibility Study; and Task 4 covers the team members' estimate for Clarksburg Feasibility Study. The total cost of this effort is \$1,470,000.

**Task Definition and Schedule:**

**Task 1:** Task 1 provides an estimate of MBK's project management effort to manage the sub consultant contracts and team members for the three studies, along with providing the necessary technical services for each study.

**Project Cost for Task 1:** \$246,249 (\$82,083 in FY 17/18 and \$164,166 in FY 18/19)

**Task 2:** Implementation of the Knights Landing SCFRR grant agreement with DWR. Full scope for this task is provided as Attachment A to this Work Order Authorization, but the subtasks include:

- Task 2.1 Project Management, Coordination and Stakeholder Outreach
- Task 2.2 Identify Problems and Opportunities Including Multiple Benefits
- Task 2.3 Identify Sources, Extent, and Timing of Flooding
- Task 2.4 Quantify Flood Risks and Potential Flood Damages
- Task 2.5 Formulate Alternatives to Reduce Flood Risks
- Task 2.6 Evaluate Alternatives Including Multiple Objective Benefits
- Task 2.7 Conduct Trade-off Analysis and Select Preferred Alternative
- Task 2.8 Develop Project Implementation Phasing
- Task 2.9 Prepare Cost Estimates and Financing Plans
- Task 2.10 Prepare Draft Feasibility Study Report, Permitting Plan, and CEQA Checklist
- Task 2.11 Obtain Stakeholder Review of Draft Study
- Task 2.12 Prepare Final Feasibility Report

**Project Cost for Task 2: \$420,173** (FY 17/18: \$140,058; FY 18/19: \$280,115)

**Task 3:** Implementation of the Yolo SCFRR grant agreement with DWR. Full scope for this task is provided as Attachment B to this Work Order Authorization, but the subtasks include:

- Task 3.1 Project Management, Coordination and Stakeholder Outreach
- Task 3.2 Identify Problems and Opportunities Including Multiple Benefits
- Task 3.3 Identify Sources, Extent, and Timing of Flooding
- Task 3.4 Quantify Flood Risks and Potential Flood Damages
- Task 3.5 Formulate Alternatives to Reduce Flood Risks
- Task 3.6 Evaluate Alternatives Including Multiple Objective Benefits
- Task 3.7 Conduct Trade-off Analysis and Select Preferred Alternative
- Task 3.8 Develop Project Implementation Phasing

Task 3.9 Prepare Cost Estimates and Financing Plans

Task 3.10 Prepare Draft Feasibility Study Report, Permitting Plan, and CEQA Checklist

Task 3.11 Obtain Stakeholder Review of Draft Study

Task 3.12 Prepare Final Feasibility Report

**Project Cost for Task 3: \$414,854** (FY 17/18: \$138,285; FY 18/19: \$276,569)

**Task 4:** Implementation of the Clarksburg SCFRR grant agreement with DWR. Full scope for this task is provided as Attachment C to this Work Order Authorization, but the subtasks include:

Task 4.1 Project Management, Coordination and Stakeholder Outreach

Task 4.2 Identify Problems and Opportunities Including Multiple Benefits

Task 4.3 Identify Sources, Extent, and Timing of Flooding

Task 4.4 Quantify Flood Risks and Potential Flood Damages

Task 4.5 Formulate Alternatives to Reduce Flood Risks

Task 4.6 Evaluate Alternatives Including Multiple Objective Benefits

Task 4.7 Conduct Trade-off Analysis and Select Preferred Alternative

Task 4.8 Develop Project Implementation Phasing

Task 4.9 Prepare Cost Estimates and Financing Plans

Task 4.10 Prepare Draft Feasibility Study Report, Permitting Plan, and CEQA Checklist

Task 4.11 Obtain Stakeholder Review of Draft Study

Task 4.12 Prepare Final Feasibility Report

**Project Cost for Task 4: \$388,724** (FY 17/18: \$129,575; FY 18/19: \$259,149)

**Total Project Cost \$1,470,000** (FY17/18: \$490,000; FY18/19: \$980,000)

| Task                                               | FY 17/18         | FY18/19          | Total              |
|----------------------------------------------------|------------------|------------------|--------------------|
| Task 1 – Project Management & Engineering Services | \$82,083         | \$164,166        | <b>\$246,249</b>   |
| Task 2 – Knight Landing SCFRR Study                | \$140,058        | \$280,115        | <b>\$420,173</b>   |
| Task 3 – Yolo SCFRR Study                          | \$138,285        | \$276,569        | <b>\$414,854</b>   |
| Task 4 – Clarksburg SCFRR Study                    | \$129,575        | \$259,149        | <b>\$388,724</b>   |
| <b>Project Total</b>                               | <b>\$490,000</b> | <b>\$980,000</b> | <b>\$1,470,000</b> |

**Start Date:** April 1, 2018

**Completion Date:** June 30, 2019

Approval: Elisa A. Date: March 21, 2018  
 Manager of Natural Resources

Approval: Ray Date: 3-21-18  
 County Administrator

**Fund:**      **BU:**    **Account:**    **CC:**    **Program:**

*\*Bill to CAO Water Resources budget\**