



GAVIN NEWSOM, Governor
NATURAL RESOURCES AGENCY
DEPARTMENT OF FISH AND WILDLIFE
WILDLIFE CONSERVATION BOARD
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(916) 445-8448

3/1/2023

Glenn Shephard
Director
Ventura County Watershed Protection District
800 South Victoria Avenue
Ventura, CA 93009-1610
Glenn.Shephard@ventura.org


MATILIJIA DAM ECOSYSTEM RESTORATION PLANNING, AUGMENTATION
VENTURA COUNTY
GRANT AGREEMENT NO. WC-1980DC
PROJECT ID: 2022141

Dear Mr. Shephard:

Enclosed for your records is a copy of the fully executed Amendment No. 1 to Grant Agreement WC-1980DC for the above project located in Ventura County. Please make note of the following deadlines for submission of invoices and receipts for labor and materials: all materials must be ordered and work completed by June 30, 2025. Bills for materials ordered and work completed prior to June 30, 2025, may be submitted up to 30 days past that date. Please keep one copy of the fully executed Amendment for your records and forward the additional copy to the landowner.

Please coordinate all project activities or any questions you might have regarding the agreement or procedures through the WCB project manager, Don Crocker. He can be reached at don.crocker@wildlife.ca.gov or (916) 926-7317.

Sincerely,

DocuSigned by:

FFB2B729029842B...
John P. Donnelly
Executive Director

Enclosure(s)

ec: Celina Tran, Accounting Officer Specialist
CDFW, Accounting Services Branch/Claims Unit

Ed Pert, Regional Manager
CDFW, South Coast Region (5)

**AMENDMENT NO. 1 TO GRANT AGREEMENT WC-1980DC
BETWEEN THE
STATE OF CALIFORNIA/WILDLIFE CONSERVATION BOARD
AND
VENTURA COUNTY WATERSHED PROTECTION DISTRICT
FOR THE
MATILIJIA DAM ECOSYSTEM RESTORATION PLANNING, AUGMENTATION
AND CHANGE OF SCOPE,
VENTURA COUNTY
Project ID: 2022141**

THIS AMENDMENT TO AGREEMENT is made and entered into this 16th day of February, 2023, by and between the State of California, acting by and through the WILDLIFE CONSERVATION BOARD, hereinafter called GRANTOR and VENTURA COUNTY WATERSHED PROTECTION DISTRICT, hereinafter called GRANTEE.

WHEREAS, the parties hereto entered into Grant Agreement WC-1980DC, dated June 5, 2020, and expiring June 30, 2025, to implement The Matilija Dam Ecosystem Restoration Planning project on the Ventura River in Ventura County, and

WHEREAS, due to the Project's original scope of work relying on the completion of 65% designs and environmental review funded by a CDFW grant, and

WHEREAS, due to funding shortages of that CDFW grant, the environmental review was not able to be completed, and

WHEREAS, due to the environmental review being necessary to complete the original scope of work, and

WHEREAS, due to circumstances beyond the Grantee's control, work cannot be completed under the budget allocation of \$5,025,000 that was approved by the Grantor on May 30, 2020, and an additional \$4,331,000 is needed to complete the project as proposed, and

WHEREAS, the Project must have the environment review completed, and

WHEREAS, the Grantor finds an augmentation of \$4,331,000 and the addition of environmental review to the Project scope are reasonable and appropriate to complete the project.

NOW THEREFORE, it is mutually agreed between the parties hereto that said Grant Agreement is amended to allow the REVISED PROJECT DESCRIPTION and FUNDING AUGMENTATION, as described in the attached Exhibit B-1 REVISED BUDGET, and Exhibit E-1 WORK PLAN ADDENDUM, and

Except as amended herein, all terms and conditions of said agreement will remain unchanged and in full force and effect.

COUNTERPARTS

This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one, and the same instrument.

ELECTRONIC SIGNATURES

The Parties agree to accept electronic signatures (as defined in Section 1633.2 of the California Civil Code), faxed versions of an original signature, or electronically scanned and transmitted versions (e.g., via pdf) of an original signature.

GRANTOR

State of California

Wildlife Conservation Board

By:  Date: 3/1/2023
John P. Donnelly, Executive Director

GRANTEE

Ventura County Watershed Protection District

By:  Date: 2/2/2023
Glen Shephard, Director

I certify that (a) budgeted funds are available for the extended period stated above; and (b) Grant Funds shall not be disbursed unless and until sufficient proceeds become available to Grantor to disburse.

Fiscal Officer

Date:

Grant Amount: \$4,331,000.00

Fund Source: Water Security, Clean Drinking Water, Coastal and Beach Protection Fund of 2002, Section 79572(a)

Appropriation Item: Chapter Prop 50, Statutes of 2002

Line Item: 3640-801-6031

Expenditure Code: 5002801241

Exhibit B-1 REVISED BUDGET

| Project Task | Current WCB Augmentation | Original WCB Grant | Total Cost |
|--|-----------------------------|-----------------------|-------------|
| Project Management and Grant Administration | \$1,246,600 | \$1,005,000 | \$2,251,600 |
| Matilija Dam Removal | \$300,000 | \$1,500,000 | \$1,800,000 |
| Meiners Oaks Levee | \$810,586 | \$835,000 | \$1,645,586 |
| Live Oak Acres Levee | \$704,423 | \$950,000 | \$1,654,423 |
| Casitas Springs Levee | \$869,186 | \$735,000 | \$1,604,186 |
| Contingency | \$400,205 | --- | \$400,205 |
| Total | \$4,331,000 | \$5,025,000 | \$9,356,000 |

Exhibit E-1 WORK PLAN ADDENDUM

Task 1: Project Management and Grants Administration

Project management tasks will include procurement and contracting, contract management, scheduling, coordination, meetings, communications, technical reviews, quality control, and tracking of engineering design tasks, timelines and budgets.

Grants administration tasks will include development and processing of quarterly progress reports and invoices and submission of all deliverables in accordance with WCB grant agreement requirements; and completion and submittal of all project close-out documentation per the executed grant agreement.

Miscellaneous tasks will include mapping and other activities related to future right of way acquisitions and utility relocation rights of way; preparation and procurement of all necessary encroachment, access and traffic control permits for contractor field investigations; execution of a sub-agreement with the California Department of Fish and Wildlife (CDFW) to provide dedicated staff to streamline and expedite CDFW environmental compliance and regulatory review of VCWPD-designated priority projects as part of the Matilija Dam Ecosystem Restoration Project; and associated activities such as stakeholder outreach and communications for each project component.

Deliverables: Executed contracts; quarterly progress reports and invoices; submission of deliverables; final design documents; final EIR; and Project close out report and budget reconciliation.

Task 2: Matilija Dam Removal

Task 2.1: Project Management and Coordination

Activities: Facilitate project team coordination throughout the design process, provide liaison with VCWPD, anticipate and manage changes, coordinate and facilitate communication with regulatory agencies (DSOD, CDFW, NMFS, etc.), Contract Management Team, water purveyors and other impacted entities, and stakeholders. Monitor all aspects of budget and schedule, schedule and conduct meetings, and produce status reports.

To be completed: Technical reports, meeting schedules and minutes, original and revised budgets and schedules, presentations, status summaries, and other project-related documents.

Task 2.2: Complete Dam Removal Phase 1 Design

Uncontrolled Orifices Alternative

Activities: Produce draft and final designs for orifice construction, including structural analysis for orifice boring methodology, refining access requirements, coffer damming and dewatering options, concrete rubble removal and transport considerations, orifice lining requirements, and orifice construction sequence. Coordinate with blasting subcontractor(s) to develop a charge hole boring location design, as well as a blasting plan. Coordination, technical discussions, design review iterations, and regulatory compliance efforts with DSOD will be required.

Control Gate Alternative

Activities: Complete structural analysis and produce draft and final designs and installation methodology for optional control gates (analyzing both upstream and downstream gate placement options), including coffer damming and dewatering, structural analysis, and installation plan. Coordination, technical discussions, design review iterations, and regulatory compliance efforts with DSOD will be required

To be completed: structural analysis reports, draft construction specifications and drawings, final specifications and drawings, technical memoranda, written responses to review comments.

Task 2.3: Complete Dam Removal Phase 2 Design

Activities: Produce draft and final design plans for the actual dam removal effort, including further structural analysis and describing alternative concrete removal methods. Develop alternative removal sequencing plans and access methods. Assess alternative concrete rubble disposal location(s) and produce drawings and plans for transporting concrete from the site to the disposal location(s). Develop water quality protective measures commensurate with the alternative removal methods and processes.

To be completed: draft construction specifications and drawings, final specifications and drawings, site map and haul route drawings, technical memoranda, written responses to review comments.

Task 2.4: Site Stabilization

Activities: Analyze local geologic conditions and surface topography, then produce designs for limited treatment within the dam footprint, both dam abutments, and the areas immediately upstream and downstream of the dam to stabilize the slopes and minimize erosion damage.

To be completed: Geotechnical analysis reports, draft construction specifications and drawings, final specifications and drawings, technical memoranda, written responses to review comments.

Task 3: Meiners Oaks Levee

Task 3.1: Project Management and Coordination

Project Management: Maintain project-level coordination across the entire project team; prepare quality control plan, identify development team, independent review team and required disciplines for review; coordinate and manage milestones, schedule, project roles and responsibilities, resource plan, and document control process.

Meetings: Conduct Project kick-off meetings to confirm scope of services, schedule and project objectives; conduct monthly and quarterly progress meetings to review project status, technical studies and progress on draft and final design plans, specifications and estimates.

Public Meetings: Conduct and/or participate in multiple in-person public meetings.

To be completed: Electronic copies of schedule, summaries from project team meetings, and

all necessary memoranda, reports and invoices.

Task 3.2: Technical Studies

Data collection: obtain and review all available and pertinent reports and plans; conduct field visit(s) to familiarize the project team with the site and constraints, including Robles Diversion Dam plans and storm drain penetrations; and perform photo documentation of the field visit(s).

Topographic Mapping: Collect and develop new LiDAR maps of the Ventura River bed and levee improvements footprint at least 1,000 feet upstream and downstream of the project area; conduct field surveys of any structures; and merge new LiDAR with existing LiDAR to create the working topographic mapping for this project.

River Hydraulic Analysis: Perform a final river hydraulic analysis in accordance with FEMA requirements. Use the existing HEC-RAS model making changes as needed for detailed design of the levee system, and for a conditional Letter of Map Revision (CLOMR); and use the updated model for freeboard evaluation and to provide maximum shear velocities for the analysis of bank protection, local scour potential and design of toe protection, and to establish levee heights for this project.

Sediment Transport and Scour Analysis: Perform a sediment transport and scour study in accordance with the FEMA requirements. Study will include a detailed sediment transport analysis to evaluate the long-term scour or aggradation potential of the river adjacent to the proposed improvements from approximately 1/2 mile downstream of the levee system's downstream limit to approximately 1/2 mile upstream of the Robles Diversion Dam. Appropriate scour method will be used to predict maximum total scour along the levee for toe-down depths considering long-term bed degradation, single-event general scour (for 100-year flood hydrograph), bedform scour, bend scour, local scour (e.g. bridge pier, drop structure, etc.), and thalweg scour.

Interior Drainage/Joint Probability Analysis: Perform a detailed interior drainage analysis based on the joint probability of interior and exterior flooding to determine the extent of the flooded area and the need for storm drain penetrations in accordance with FEMA requirements. Utilize as-builts where available and perform field surveys where needed to document storm drain outlets, inlets, inverts and manhole elevations upstream of each penetration.

Geotechnical Analysis: Key elements include Subsurface Soil Exploration, Laboratory Testing, Geotechnical Assessment, and Borrow Source Evaluation.

- Subsurface soil exploration will follow standard geotechnical procedures utilizing multiple subsurface borings, test pits, and monitoring wells. The work plan anticipates that VCWPD will procure all necessary encroachment, access and traffic control permits as well as applicable permits from CDFW, USACE and RWQCB. Consultant will procure all well and boring installation and closure permits; determine staging areas for equipment storage; and complete backfill and restoration work.
- Laboratory testing of sub-surface samples will determine excavation parameters, backfill materials, construction parameters, levee stability during flooding, seismic activity, and scour.

- Geotechnical analysis will include a seepage analysis, slope stability analysis, and a brief discussion of seismic considerations. A geotechnical report will document all subsurface exploration, laboratory testing results and the geotechnical assessment consistent with levee certification requirements.
- Borrow source evaluation will be based on locations identified by VCWPD with suitable access within the local project area. At each site, test pits will be excavated with samples collected for laboratory evaluation. A borrow report will be prepared.

To be completed: Hydrology, Hydraulics, Scour, Risk and Uncertainty, interior Drainage, and Geotechnical Analysis.

Task 3.3: Designs

Final Structures Design: Prepare final structural design for the Meiners Oaks facilities to include headwalls, outlet structures including flap gates, and small retaining walls based on the soil and foundation parameters recommended by the geotechnical engineer. Structural calculations for the selected structures type will be prepared in accordance with VCWPD, California, FEMA and USACE design standards.

Draft Design Plans Specifications and Estimates (PS&E): Prepare Draft Design PS&E incorporating comments provided from the project team and stakeholder reviews.

Final Design PS&E: Prepare Final Design PS&E incorporating comments provided from the project team and stakeholder reviews.

Conditional Letter of Map Revision (CLOMR): Prepare the CLOMR submittal to FEMA upon completion of the Draft Design PS&E. Due to the complexity of the design, it will be important to confirm that the proposed improvements and analysis can be certified upon completion of construction. A CLOMR will provide FEMA's conditional approval and limit post-construction processing issues. As approval of the CLOMR is obtained, any requested design revisions will be incorporated into the Final design plans.

Permit Coordination and Processing: Determine project impacts and locations where impacts can be limited and/or avoided; coordinate with Casitas MWD where improvements will tie into the Robles Diversion facility; prepare a traffic management plan; and prepare an encroachment permit to be procured by VCWPD if the project will affect rights of way.

To be completed: One electronic copy of the Basis of Design Report, Plans, Specifications, and Cost Estimates, including the native electronic files of the CADD, Specifications, MT2-Forms, and ArcGIS as part of the Draft Design documents; four hardcopies plus one electronic copy of same as part of the final Design documents; and electronic copies of permit-related correspondence, exhibits, and technical support.

Task 3.4: Environmental Review

Undertake Field Studies and Public Scoping for a proposed levee or alternative flood protection near the community of Meiners Oaks; complete a draft Subsequent Environmental Impact Report (SEIR) for public review and comment; and complete a final Subsequent EIR (including responses to comments on the draft Subsequent EIR) for certification decision by the County of Ventura Board of Supervisors.

To be completed: State and Federal jurisdictional delineations in the Ventura River; vegetation mapping and biological surveys; Administrative Draft, Public Draft and Final

Subsequent EIRs with supporting technical studies; Mitigation, Monitoring and Reporting Program (MMRP) plan; and County of Ventura certification decision.

Task 4: Live Oak Acres Levee

Task 4.1: Project Management and Coordination

Project Management: Maintain project-level coordination across the entire project team; prepare quality control plan, identify development team, independent review team and required disciplines for review; coordinate and manage milestones, schedule, project roles and responsibilities, resource plan, and document control process.

Meetings: Conduct Project kick-off meetings to confirm scope of services, schedule and project objectives; conduct monthly and quarterly progress meetings to review project status, technical studies and progress on draft and final design plans, specifications and estimates.

Public Meetings: Conduct and/or participate in multiple in-person public meetings.

To be completed: Electronic copies of schedule, summaries from project team meetings, and all necessary memoranda, reports and invoices.

Task 4.2: Technical Studies

Data Collection: Obtain and review all available and pertinent reports and plans; conduct field visit(s) to familiarize the project team with the site and constraints, including the existing levee, bank protection, street improvements, street bridge and storm drain penetrations; and perform photo documentation of the field visit(s).

Topographic Mapping: Collect and develop new LIDAR maps of the Ventura River bed and levee improvements footprint at least 1,000 feet upstream and downstream of the project area; conduct field surveys of any structures; and merge new LiDAR with existing LiDAR to create the working topographic mapping for this project.

River Hydraulic Analysis: Perform a final river hydraulic analysis in accordance with FEMA requirements. Use the existing HEC-RAS model making changes as needed for detailed design of the levee system, and for a Conditional Letter of Map Revision (CLOMAR); and use the updated model for freeboard evaluation and to provide maximum shear velocities for the analysis of bank protection, local scour potential and design of toe protection, and to establish levee heights for this project.

Sediment Transport and Scour Analysis: Perform a sediment transport and scour study in accordance with the FEMA requirements. Study will include a detailed sediment transport analysis to evaluate the long-term scour or aggradation potential of the river adjacent to the proposed improvements from approximately 1/2 mile downstream of Santa Ana Bridge to approximately 1/2 mile upstream of the upstream limit. Appropriate scour methodology will be used to predict maximum total scour along the levee for toe-down depths considering long-term bed degradation, single-event general scour (for 100-year flood hydrograph), bedform scour, bend scour, local scour (e.g. bridge pier, drop structure, etc.), and thalweg scour.

Interior Drainage/Joint Probability Analysis: Perform a detailed interior drainage analysis based on the joint probability of interior and exterior flooding to determine the extent of the flooded area and the need for storm drain penetrations in accordance with FEMA requirements. Utilize as-builts where available and perform field surveys where needed to

document storm drain outlets, inlets, inverts and manhole elevations upstream of each penetration.

Geotechnical Analysis: Key elements include Subsurface Soil Exploration, Laboratory Testing, Geotechnical Assessment, and Borrow Source Evaluation.

- Sub-surface soil explorations will follow standard geotechnical procedures utilizing multiple subsurface borings, test pits, and monitoring wells. If buried levee revetment or embankment material is encountered, controlled backfill utilizing a compaction wheel and water supply will be used. The work plan anticipates that VCWPD will procure all necessary encroachment, access and traffic control permits as well as applicable permits from CDFW, USACE and RWQCB. Consultant will procure all well/boring installation and closure permits; determine staging areas for equipment storage; complete backfill and restoration work; and perform cold patching for any borings drilled through asphalt.
- Laboratory testing of sub-surface samples will determine excavation parameters, backfill materials, construction parameters, levee stability during flooding, seismic activity, and scour. Samples of existing riprap will be used to evaluate density, absorption, soundness, and abrasion resistance.
- Geotechnical analysis will include a seepage analysis, slope stability analysis, and a brief discussion of seismic considerations. Geotechnical analysis and recommendations will also be provided for any improvements that may be necessary for the levee system, including floodwalls, slope protection, and levee embankment raising. A geotechnical report will document all subsurface exploration, laboratory testing results and the geotechnical assessment consistent with levee certification requirements.

To be completed: One electronic copy of the Hydrology, Hydraulics, Scour, Risk and Uncertainty, Interior Drainage, and Geotechnical Analysis as part of the Draft Design documents; and four hardcopies plus one electronic copy of same as part of the Final Design documents.

Task 4.3: Designs

Final Structures Design: Prepare final structural design for the Live Oak Acres facilities to include headwalls, outlet structures including flap gates, and small retaining walls based on the soil and foundation parameters recommended by the geotechnical engineer. Structural calculations for the selected structures type will be prepared in accordance with VCWPD, California, FEMA and USACE design standards.

Draft Design Plans, Specifications and Estimates (PS&E): Prepare Draft Design PS&E incorporating comments provided from the project team and stakeholder reviews.

Final PS&E: Prepare Final Design PS&E incorporating comments provided from the project team and stakeholder reviews.

Conditional Letter of Map Revision (CLOMR): Prepare the CLOMR submittal to FEMA upon completion of the Draft Design PS&E. Due to the complexity of the design, it will be important to confirm that the proposed improvements and analysis can be certified upon completion of construction. A CLOMR will provide FEMA's conditional approval and limit post-construction processing issues. As approval of the CLOMR is obtained, any requested design revisions

will be incorporated into the Final design plans.

Permit Coordination and Processing: Determine project impacts and locations where impacts can be limited and/or avoided; coordinate with Ventura County Transportation Department re. improvements at or close to the Santa Ana Bridge; prepare a traffic management plan; and prepare an encroachment permit to be procured by VCWPD if the project will affect rights of way.

To be completed: Basis of Design Report, Plans, Specifications, and Cost Estimates, including the native electronic files of the CADD, Specifications, MT2-Forms, and ArcGIS.

Task 4.4: Environmental Review

Undertake field studies and public scoping for proposed improvements at the Live Oak Acres Levee; complete a draft Subsequent Environmental Impact Report (SEIR) for public review and comment; and complete a final Subsequent EIR (including responses to comments on the draft Subsequent EIR) for County of Ventura certification decision.

To be completed: State and Federal jurisdictional delineations in the Ventura River; vegetation mapping and biological surveys; Administrative Draft; and Mitigation, Monitoring and Reporting Program (MMRP) plan.

Task 5: Casitas Springs Levee

Task 5.1: Project Management and Coordination

Project Management: Maintain project-level coordination across the entire project team; prepare quality control plan, identify development team, independent review team and required disciplines for review; coordinate and manage milestones, schedule, project roles and responsibilities, resource plan, and document control process.

Meetings: Conduct Project kick-off meetings to confirm scope of services, schedule and project objectives; conduct monthly and quarterly progress meetings to review project status, technical studies and progress on draft and final design plans, specifications and estimates.

Public Meetings: Conduct and/or participate in multiple in-person public meetings.

To be completed: Electronic copies of schedule, summaries from project team meetings, and all necessary memoranda, reports and invoices.

Task 5.2: Technical Studies

Data Collection: Obtain and review all available and pertinent reports and plans; conduct field visit to familiarize the project team with the site and constraints, including the existing levee, bank protection, utilities, access improvements, bike/horse path and storm drain penetrations; and perform photo documentation of the field visit.

Topographic Mapping: Collect and develop new LiDAR maps of the Ventura River bed and levee improvements footprint at least 1,000 feet upstream and downstream of the project area; conduct field surveys of any structures; and merge new LiDAR with existing LIDAR to create the working topographic mapping for this project.

River Hydraulic Analysis: Perform a final river hydraulic analysis in accordance with FEMA requirements. Use the existing HEC-RAS model making changes as needed for detailed

design of the levee system, and for a Conditional Letter of Map Revision (CLOMAR); and use the updated model for freeboard evaluation and to provide maximum shear velocities for the analysis of bank protection, local scour potential and design of toe protection, and to establish levee heights for this project.

Sediment Transport and Scour Analysis: Perform a sediment transport and scour study in accordance with the FEMA requirements. Study will include a detailed sediment transport analysis to evaluate the long-term scour or aggradation potential of the river adjacent to the proposed improvements from approximately 1/2 mile downstream of the levee s downstream limit to approximately 1/2 mile upstream of San Antonio Creek. Appropriate scour methodology will be used to predict maximum total scour along the levee for toe-down depths considering long-term bed degradation, single event general scour (for 100-year flood hydrograph), bedform scour, bend scour, local scour, and thalweg scour.

Interior Drainage/Joint Probability Analysis: Perform a detailed interior drainage analysis based on the joint probability of interior and exterior flooding to determine the extent of the flooded area and the need for storm drain penetrations in accordance with FEMA requirements. Utilize as-builts where available and perform field surveys where needed to document storm drain outlets, inlets, inverts and manhole elevations upstream of each of the levee's seven storm drain penetrations.

Geotechnical Analysis: Key elements include Subsurface Soil Exploration, Laboratory Testing, Geotechnical Assessment, and Borrow Source Evaluation.

- Sub-surface soil exploration will follow standard geotechnical procedures utilizing multiple subsurface borings along the selected design alignment. Consultant will provide all information necessary for VCWPD to complete and procure all necessary encroachment and access permits (including access to private property), traffic control permits, and applicable permits from CDFW, USACE and RWQCB. Consultant will determine staging areas for equipment storage, and will backfill borings with bentonite/cement grout.
- Laboratory testing of sub-surface samples will determine excavation parameters, suitable backfill materials, and levee stability under conditions of flooding, seismic activity, and scour; and construction considerations for temporary stability and dewatering requirements.
- Geotechnical analysis will include seepage analysis, slope stability analysis, a brief discussion of seismic considerations, and more in-depth analysis where sustained water flow levels indicate that embankment or foundation seepage could be problematic. A geotechnical report will document all subsurface exploration, laboratory testing results and the geotechnical assessment consistent with levee certification requirements.

To be completed: Hydrology, Hydraulics, Scour, Risk and Uncertainty, Interior Drainage, and Geotechnical Analysis.

Task 5.3: Designs

Final Structures Design: Prepare final structural design for the Casitas Springs levee facilities to include Fresno Canyon Drain outlet structures as well as typical headwalls, outlet

structures including flap gates, and flood walls and retaining walls based on the soil and foundation parameters recommended by the geotechnical engineer. Structural calculations for the selected structures type will be prepared in accordance with VCWPD, California, FEMA and USACE design standards.

Draft Design Plans, Specifications and Estimate (PS&E): Prepare 60% Design PS&E incorporating comments provided from the project team and stakeholder reviews.

Final Design PS&E: Prepare Final Design PS&E incorporating comments provided from the project team and stakeholder reviews.

Conditional Letter of Map Revision (CLOMR): Prepare the CLOMR submittal to FEMA upon completion of the Draft PS&E. Due to the complexity of the design, it will be important to confirm that the proposed improvements and analysis can be certified upon completion of construction. A CLOMR will provide FEMA's conditional approval and limit post-construction processing issues. As approval of the CLOMR is obtained, any requested design revisions will be incorporated into the Final design plans.

Permit Coordination and Processing: Determine project impacts and locations where impacts can be limited and/or avoided; coordinate with Casitas Municipal Water District, Caltrans, local traffic control agencies and Ventura County Transportation Department re. improvements that will affect or encroach upon existing facilities or rights of way; prepare traffic management plans and encroachment permits where needed.

To be completed: Basis of Design Report, Plans, Specifications, and Cost Estimates, including the native electronic files of the CADD, Specifications, MT2-Forms, and ArcGIS

Task 5.4: Environmental Review

Undertake field studies and public scoping for proposed improvements at the Casitas Springs Levee; complete a draft Subsequent Environmental Impact Report (SEIR) for public review and comment; and complete a final Subsequent EIR (including responses to comments on the draft Subsequent EIR) for certification decision by the County of Ventura.

To be completed: State and Federal jurisdictional delineations in the Ventura River; vegetation mapping and biological surveys; Administrative Draft, Public Draft; and Mitigation, Monitoring and Reporting Program (MMRP) plan; and County of Ventura certification decision.