

AD-HOC ENVIRONMENTAL PLANNING AND PERMITTING WORK GROUP

AUGUST 2020





Agenda

- Previous Action Item Review
- Amendment 2 Task Orders
- Geotech Planning / Permitting Status
- Project Description Development
- Upcoming Work and Priorities
- Next Meeting


Previous Action Item Review

Previous Action Item Review

Previous Action Items	Owner	Deadline	Notes
1 Align Contract Amendment 2 Task Breakdowns among the service areas (carried over from previous meeting)	Sites Integration/Controls	In Process	Work with Controls to line up the task breakdowns (i.e. Project Description, EIR/EIS, BA, ITP, etc.) among the service providers (specifically ICF and Integration Environmental Planning and Permitting) so it is clearer how much is spent for a specific deliverable.
2 Develop graphic for Alternatives 1 and 2 (carried over from previous meeting)	Integration/Engineering	Next Work Group Meeting	
New Action Items	Owner	Deadline	Notes
3 Review order of Objectives	Authority/Integration	Next Work Group Meeting	
4 Update/revise Alternatives Table	Authority/Integration	Next Work Group Meeting	Revise text to indicate the south road will not continue to Lodoga

Amendment 2 Task Orders





Amendment 2 Task Orders

- Overview
- Service Area E
- Service Area F



Overview

- Focused on Work Plan goals related to planning and permitting
- Aligned ICF / HDR tasks to track true costs of deliverables
 - Both have the same tasks where appropriate (i.e., Admin Draft Revised EIR/Supplemental EIS)
 - Plus unique tasks where there are unique efforts (i.e., Environmental Section for Authority's Feasibility Report to CWC)
 - Will also align my hours with same tasks (plus unique ones for project / program management)
- Additional task order will come in October for Perkins Coie (anticipated costs accounted for in Work Plan)



Service Area E – Key Accomplishments

- Key deliverables:
 - Draft Revised EIR/Supplemental EIS for public review in July 2021
 - Public review period July thru September 2021
 - Summary of comments for the CA Water Commission in October 2021
 - Begin addressing comments thru end of 2022
- Work Plan Goals:
 - Complete most of the CEQA and NEPA efforts
 - Improve permitting certainty
 - Continue to cultivate and strengthen partnerships
 - Meet January 1, 2022 Prop 1 milestones to remain eligible to receive funding



Service Area E – ICF Tasks

- Finalize the project description for all alternatives
- Prepare Revised Administrative Draft EIR/EIS
- Prepare Revised Public Draft EIR/EIS
- Public Noticing/Review and Meetings
- Response to Public Comments Approach/Components of the Summary Report for CWC
- Begin Preparation of the Administrative Final EIR/EIS Response to Comments

Service Area E – Integration Tasks

- Consultant lead for discussions with Reclamation on Supplemental EIS / NEPA requirements
- Coordinating review of all ICF Deliverables and consolidating and reconciling all comments to expedite ICF revisions (including Reclamation comments)
- Assist in preparing components of the EIR as needed, including a Construction Appendix and Reservoir Management Plan
- Support the Authority at all meetings, including up to 3 public meetings on the Revised Draft EIR
- Prepare CWC Feasibility Report environmental sections based on ICF deliverables/input
- Continue to maintain CEQA Administrative Record, track budget and schedule, develop technical materials for EPP Work Group, Reservoir Committee and Board and coordinate NEPA approach with Reclamation

Service Area E – Work Plan Comparison

ICF, Service Area E

- Original Work Plan budget = \$2,705,000
- Actual Task Order total = \$3,010,759
- Variance = \$305,759

- Reason for Variance:
 - Task Order follows the EIR/EIS Work Plan developed by ICF and reviewed by the Authority in Amendment 1B
 - EIR/EIS Work Plan identifies more robust efforts to complete additional analysis and documentation to address comments on the 2017 Draft EIR/EIS in the Revised EIR/Supplemental EIS

Service Area E – Work Plan Comparison

HDR, Service Area E

- Original Work Plan budget = \$832,000
- Actual Task Order total = \$832,095
- Variance = \$95



Service Area F – Key Accomplishments

- Key deliverables:
 - Joint NMFS/USFWS Biological Assessment
 - Programmatic Agreement for Section 106
 - CDFW Incidental Take Permit Applications for Operations and Construction
 - Clean Water Act Section 404 Permit Application
 - Clean Water Act Section 401 Permit Application
 - Encroachment Permit/Section 408 Permission Application
- Work Plan Goals:
 - Improve permitting certainty
 - Continue to cultivate and strengthen partnerships



Service Area F– ICF Tasks

Joint NMFS/USFWS Biological Assessment for Section 7 Compliance (submit to Reclamation 5/30/2021)

- Update and finalize the 2019 draft with new study area analysis and operations modeling results
- Develop Mitigation Plan
- Develop Adaptive Management Plan

Programmatic Agreement for Section 106 Compliance (signed 12/2021)

- Consultation with Reclamation, SHPO, Native American tribes, and other interested parties to develop and document the agreement for signature by consulting parties



Service Area F– ICF Tasks

CDFW Incidental Take Permit Applications for Operations and Construction (Submit to CDFW 12/2021)

- Separate applications will be submitted to CDFW
- Will use BA for the project description, Avoidance and Mitigation Measures (AMMs) and mitigation measures and Adaptive Management Plan for jointly listed species

Clean Water Act Section 404 Permit Application (Submit to USACE 12/2021)

- Standard Department of the Army Permit Application package (Individual Permit [IP])
- Pre-application meeting
- Public noticing of permit application



Service Area F– ICF Tasks

Clean Water Act Section 401 Permit Application (Submit to SWRCB 11/30/2021)

- State waters will also be covered under the Waste Discharge Requirements (WDRs)
- Needed for USACE to authorize the 404 permit
- Wetland delineation for waters of the state and riparian habitat will be prepared

Encroachment Permit/Section 408 Permission Application (Submit application to CVFPB 12/2021)

- Pre-application meeting with CVFPB and USACE



Service Area F– ICF Tasks

Other Tasks:

- Aquatic Resources Wetland Delineation for both Waters of the State and U.S.
- Limited Funds for Focused Species Surveys
- Mitigation Plan
- Mitigation Measure Evaluation and Cost Estimate Memorandum for the CWC Summary Report
- Adaptive Management Plan
- 2020-2021 Geotechnical Support
 - Finalize permits and survey/monitor field work
- Eagle Take Permits

Service Area F – Integration Tasks

- Consultant lead for discussions with Reclamation on Section 7 and Section 106 permit along with geotechnical permitting and field monitoring activities
- Support and coordinate with ICF and the EPP on the preparation, agency consultation and permit approach, planning and strategy
- Assist in preparing components of the six key permits and water right application (i.e., small working groups, technical memorandums, etc.)
- Coordinate among Service Areas on permitting needs and schedule
- Review ICF deliverables and consolidate and reconcile comments
- Support the EPP in coordination and collaboration with other service areas, authority staff and pertinent outside entities as required
- Develop technical materials for EPP Work Group, Reservoir Committee and Board and coordinate and support permit approach with Reclamation and State regulatory agencies
- Provide quality management, document and file management and control, risk management and budget and schedule management

Service Area F – Work Plan Comparison

ICF, Service Area F

- Original Work Plan budget = \$4,400,000
- Actual Task Order total = \$4,400,996
- Variance = \$996

HDR, Service Area F

- Original Work Plan budget = \$1,096,000
- Actual Task Order total = \$1,034,175
- Variance = \$61,825 (under budget)

Early Mitigation

- Original Work Plan budget = \$2,500,000
- Actual Task Order total = \$1,500,000
- Variance = \$1,000,000

- Reason for Variance:
 - Highly likely to avoid “take” of listed species during geotech efforts
 - Now thinking timing may be a little early to commit to mitigation actions (but still considering)
 - But, may be needed for reimbursable agreement with CDFW (if so, would come back to you for input and back to RC and AB for Work Plan amendment and agreement approval)

Geotech Planning and Permitting

2020/2021 Geotech Project Description

Project Feature	Investigation Type and Approximate Number
TRR Area	<ol style="list-style-type: none"> 3 Boring pairs, 80 to 100 feet below grade Geophysics Surveys at each investigation point, non-invasive Geologic Mapping Walking Surveys, non-invasive
Funks Reservoir	<ol style="list-style-type: none"> Geologic Mapping Walking Surveys, non-invasive
TRR Pipeline	<ol style="list-style-type: none"> 1 Boring pair, 80 to 100 feet below grade 8 Cone Penetration Test Probes, 40 to 80 feet below grades Geologic Mapping Walking Surveys, non-invasive Geophysics Surveys at each investigation point and two 5,000 linear feet transects, non-invasive
Dunnigan Pipeline	<ol style="list-style-type: none"> 1 Boring pair, 80 to 100 feet below grade 7 Cone Penetration Test Probes, 40 to 80 feet below grades Geophysics Surveys at each investigation point and three 5,000 linear feet transects, non-invasive
Total	<ol style="list-style-type: none"> 5 Boring pairs, varying from 80 to 100 feet below grade 15 Cone Penetration Test Probes, varying from 40 to 80 feet below grades 2 Geologic Mapping Surveys, non-invasive One Geophysics Survey at each investigation point (25 total) in addition to five 5,000 linear feet survey transects, non-invasive

2020/2021 Geotech Planning / Permitting

- Section 7 Consultation
 - Supplemental Biological Assessment
 - Same species
 - Geologic mapping only new activity
 - Change in location of work
 - Conservation measures the same, except helicopter measures removed
- Section 106 Consultation
 - Cultural Resources Report Addendum
 - No effect
 - Avoidance and minimization measures the same, except modified duration of monitoring (less)
- NEPA Categorical Exclusion

2020/2021 Geotech Schedule

- Section 7 Consultation
 - Target completion in October 2020
- Section 106 Consultation
 - Target completion in October 2020
- NEPA Categorical Exclusion
 - Target completion in October 2020
- Field Activities
 - November 2020 to March 31, 2021

Project Description Development



Project Description Development – What have we been working on?

- Prepared revised outline for the alternatives description for the EIR/EIS and the preferred project for the BA
 - Incorporated information from engineering technical memos and other sources
- Provided narrative tables to the engineering teams with descriptions of possible construction methods to facilitate development of construction methods section
- Provided matrix of project facilities and construction activities to the engineering teams for their review/input
- Prepared for and participated in standing Friday data sharing meetings engineering teams



Project Description Development – What have we been working on?

- Met with modelers to define assumptions for operations modeling inputs for potential operational criteria
- Developed preliminary information documenting flows in Funks Creek/Stone Corral Creek and proposed operational considerations for flows in those creeks
- Identified wetland constraints along road alignments
- Developed cost estimate for red-legged frog mitigation associated with potential de-watering Funks Creek
- Began identifying study area for land cover mapping and developing land mapping protocol
- Developed a preliminary best management practices/environmental commitment table for engineering team review and input
- Met with legal regarding objectives, alternatives, and baseline for EIR/EIS purposes



Project Description – Next Steps

- Preliminary Draft EIR/EIS and BA Project Description to Integration / Authority – August 31
- September Reservoir Committee and Authority Board Meeting –
 - Review Project Description and revisions to Objectives
 - Adopt Preferred Project for CEQA/ESA/Section 106 purposes
- Continued refinement / filling holes / adding details in Amendment 2

Final Stretch . . .





Upcoming Work and Priorities – Aug/Sept

- Preliminary Project Description:
 - Draft Revised EIR and Supplemental EIS
 - Biological Assessment
 - Components focused on:
 - Working with modeling team on ops criteria
 - Adding detail and addressing uncertainty throughout
 - Funks and Stone Corral creek releases
 - Best management practices and measures
 - Field exploration post 2021
 - Water quality considerations
 - Species models and initial desktop analysis
 - Mitigation planning
 - Adaptive management plan
 - Narrowing assumptions and project description “options”



Upcoming Work and Priorities – Aug/Sept (cont)

- Approach for engagement of NGOs
- Prepare SHPO Initiation Package for Section 106
- Continue geotech permitting
- Annotated outline
- Re-initiate discussions with fisheries agencies
- Initiate discussions with CDFW on benefits
- EIS approach, NEPA regs changes, and EIS page limits
- Admin Record Organization Approach



Schedule Next Meeting

- Next meeting
 - Topics –
 - Preliminary Project Description & Selection of Preferred Project
 - Overview of Annotated Outline
 - Reclamation Page Limits