

Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: Lateral QQC Regulation Basin Project

Lead Agency: South San Joaquin Irrigation District

Contact Name: Forrest Killingsworth, Engineering Department Manager

Email: fkillingsworth@ssjid.com Phone Number: (209) 249-4600

Project Location: _____ San Joaquin County
City *County*

Project Description (Proposed actions, location, and/or consequences).

See attached Project Description.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

See attached Mitigation Monitoring and Reporting Program.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

No known areas of controversy.

Provide a list of the responsible or trustee agencies for the project.

Description of Project

Project Background and Purpose

The District has recently completed a District-Wide Capacity Analysis Study as part of its Water Master Plan process to clearly identify existing irrigation service demand, capacity, and to assist in the understanding of the cost, benefit, and priority of potential capacity enhancing improvements. One of the highest-priority projects identified in this process was the construction of a strategically placed regulating basin at the District's Lateral Q and Lateral Qc junction.

Lateral Q, which originates from the District's Main Distribution Canal (MDC), is one of two primary service laterals responsible for serving the northwest quadrant of the District. Lateral Q currently serves over 7,000 acres and is extremely overburdened. Currently the Upper Lateral Q has a Demand-Capacity Service ratio (Service Ratio)¹ of 0.94 and Lower Lateral Q has a Ratio of 1.08. Based on SSJID's analysis, any service area with a Ratio of 0.7 or higher is considered to be troubled and intervention is recommended.

Lateral Qc is a sublateral originating from the Lateral K system, which is a primary service lateral that diverts water directly from the MDC at Santa Fe Road, south of Escalon, providing services to more than 3,000 acres. The current Ratio for the Lateral K sublaterals is 1.00, causing availability and flexibility of service to be very poor.

Project Description

The Project proposes to construct a regulating basin, a concrete flow control structure for Lateral Q, and a basin inlet pipe from Lateral Qc connected to a combined gravity and pumped concrete outlet structure and connection box. Project construction components are described in detail below:

- The proposed regulating basin would be approximately 18.8 acres with an operational volume of 52-acre feet. The basin would either be lined with high density polyethylene (HDPE) or clay. There would also be a three (3)-foot canal liner raise for Lateral Q upstream of the proposed basin for +/- 1,100 linear feet to the existing check structure.
- The Lateral Q concrete outlet flow control structure would be capable of passing 150 cubic feet per second (CFS) maximum. It would include three (3) Rubicon SMB 1050-3000-C Slip Meters.
- The Lateral Qc combined gravity and pumped concrete outlet structure and connection box would be capable of passing 25 CFS. It would consist of an approximately 42-inch Rubber-Gasketed Reinforced Concrete Pipe (RGRCP), one (1) Rubicon SMB 1050-2400-C Slip Meter, and would include pump, 24-inch PVC pipe, and miscellaneous fittings, meters, appurtenances, etc.

All excavation material would be balanced on-site. No spoils would be exported from the Project site. In order to power the pump, gate actuators and control systems for the SCADA, a new power connection would be required. The nearest power line follows the east side of Murphy Road, and a potential drop is near the existing control box just north of Ripon Fire Station 52.

¹ The Demand-Capacity Service Ratio is defined as the theoretical water demand of a Designated Service Area (DSA) divided by the theoretical capacity of the facility that serves the DSA over a given period.

Construction Schedule

Construction is anticipated to start in summer 2025 and end in February 2026, lasting approximately nine to ten months.

Equipment

Construction may include earthwork scrapers, excavators, bulldozers, concrete trucks, and water trucks.

Operation and Maintenance

The operation and maintenance of the Project would be consistent with that of the District's other similar facilities and with what presently takes place at the site. Lateral Q, which crosses the Project site, has been maintained by the District by consistent cleaning of debris and sediment.

CHAPTER 5 MITIGATION, MONITORING, AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Project in San Joaquin County. The MMRP lists mitigation measures recommended in the IS/MND for the Project and identifies monitoring and reporting requirements.

Table 5-1: Mitigation, Monitoring, and Reporting Program presents the mitigation measures identified for the Project. Each mitigation measure is numbered with a symbol indicating the topical section to which it pertains, a hyphen, and the impact number. For example, AIR-2 would be the second mitigation measure identified in the Air Quality analysis of the IS/MND.

The first column of **Table 5-1: Mitigation, Monitoring, and Reporting** Program identifies the mitigation measure. The second column, entitled “When Monitoring is to Occur,” identifies the time the mitigation measure should be initiated. The third column, “Frequency of Monitoring,” identifies the frequency of the monitoring of the mitigation measure. The fourth column, “Agency Responsible for Monitoring,” names the party ultimately responsible for ensuring that the mitigation measure is implemented. The last columns will be used by the Lead and Responsible Agencies to ensure that individual mitigation measures have been complied with and monitored.

Table 5-1: Mitigation, Monitoring, and Reporting Program

| Mitigation, Monitoring, and Reporting Program | | | | | | |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------|------------------------------------------------|-----------------------------|----------------------------|
| Item | Mitigation Measure | When Monitoring is to Occur | Frequency of Monitoring | Agency Responsible for Monitoring | Method to Verify Compliance | Verification of Compliance |
| Biological Resources | | | | | | |
| Migratory Birds, Raptors, and Special Status Birds, including Swainson’s Hawk | | | | | | |
| BIO-1 | (Avoidance): The Project’s construction activities will occur, if feasible, between September 15 and January 31 (outside of the nesting bird season) to avoid impacts to nesting birds. | September 15 to January 31 | Prior to construction activities | SSJID with assistance of a qualified biologist | | |
| BIO-2 | (Pre-construction Surveys): If activities must occur within the nesting bird season (February 1 to September 14), a qualified biologist will conduct a pre-construction survey for Swainson’s hawk nests onsite and within a 0.5-mile radius. This one time take avoidance survey will be conducted in accordance with the Recommended Timing and Methodology for Swainson’s Hawk Nesting Surveys in California’s Central Valley (Swainson’s Hawk Technical Advisory Committee 2000), or current guidance. The pre-construction survey would also provide a presence/absence survey for all other nesting birds within the project site, and up to 100 feet outside of the project site for nesting migratory birds and up to 500 feet outside of the project site for nesting raptors. Raptor nests would be considered “active” upon the nest-building stage. If no active nests are observed, no further mitigation is required | Prior to construction activities | Once, Prior to ground disturbing activities and the start of construction | SSJID with assistance of a qualified biologist | | |
| BIO-3 | (Avoidance Buffers): On discovery of any active nests or breeding colonies near work areas, a qualified biologist will determine appropriate avoidance buffer distances based on applicable CDFW and/or USFWS guidelines, the biology of the species, conditions of the nest(s), and the level of project disturbance. If necessary, avoidance buffers will be identified with flagging, fencing, or other easily visible means, and will be maintained until the | During construction | As determined by qualified biologist during construction activities | SSJID with assistance of a qualified biologist | | |

| Mitigation, Monitoring, and Reporting Program | | | | | | |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------|----------------------------------------------------------------------------------|-----------------------------|----------------------------|
| Item | Mitigation Measure | When Monitoring is to Occur | Frequency of Monitoring | Agency Responsible for Monitoring | Method to Verify Compliance | Verification of Compliance |
| | biologist has determined that the nestlings have fledged. | | | | | |
| Wildlife Movement Corridors and Native Wildlife Nursery Sites | | | | | | |
| BIO-4 | (Operational Hours): Construction activities would be limited to a half hour after sunrise through a half hour before sunset to reduce potential impacts to wildlife movement corridors | During construction activities | During construction activities | SSJID | | |
| BIO-5 | (Wildlife Access): Access will not be blocked outside of construction hours or during overnight hours or weekends. If construction must block both sides of a wildlife access route, an alternative route through the construction area should be identified by a qualified biologist and maintained throughout the construction schedule timeframe | During Construction activities | During construction activities | SSJID with assistance of a qualified biologist | | |
| BIO-6 | (Cover Excavations): Pipeline/culvert/siphon excavations and vertical pipes will be covered each night to prevent wildlife from falling in and becoming trapped or injured during migratory or dispersal movements | During construction activities | Daily during construction activities | SSJID | | |
| Cultural Resources | | | | | | |
| CUL-1 | Should archaeological remains or artifacts be unearthed during any stage of project activities, work in the area of the discovery shall cease until the area is evaluated by a qualified archaeologist. If mitigation is warranted, the project proponent shall abide by recommendations of the archaeologist. | During Construction Activities | During Construction Activities | SSJID with assistance of a qualified archaeologist | | |
| CUL-2 | In the event that human remains are discovered on the Project site, the San Joaquin County Coroner must be notified of that discovery (Health and Safety Code Section 7050.5) and all activities in the immediate area if the find or in any nearby area reasonably suspected of overlie adjacent human remains must cease until appropriate and lawful measures have been implemented. If the Coroner determines that the remains are not recent, but rather of Native American origin, the Coroner shall notify the NAHC in Sacramento within 24 hours to | During Construction Activities | During Construction Activities | SSJID with assistance of a County Coroner, NAHC and tribal contacts as necessary | | |

| Mitigation, Monitoring, and Reporting Program | | | | | | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|----------------------------------------------------------------------------------|-----------------------------|----------------------------|
| Item | Mitigation Measure | When Monitoring is to Occur | Frequency of Monitoring | Agency Responsible for Monitoring | Method to Verify Compliance | Verification of Compliance |
| | permit the NAHC to determine the most likely descendent of the deceased Native American | | | | | |
| Geology and Soils | | | | | | |
| GEO-1 | Should paleontological resources be encountered on the Project site, all ground disturbing activities in the area shall stop. A qualified paleontologist shall be contacted to assess the discovery. Mitigation may include monitoring, recording the fossil locality, data recovery and analysis, and preparing a final report. Public educational outreach may also be appropriate. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to San Joaquin County for review, and (if paleontological materials are recovered) a paleontological repository, such as the University of California Museum of Paleontology. | During Construction Activities | During Construction Activities | SSJID with assistance of a qualified paleontologist | | |
| Tribal Cultural Resources | | | | | | |
| TCR-1 | See CUL-1 | During Construction Activities | During Construction Activities | SSJID with assistance of a qualified archaeologist | | |
| TCR-2 | See CUL-2 | During Construction Activities | During Construction Activities | SSJID with assistance of a County Coroner, NAHC and tribal contacts as necessary | | |