

**NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 5**

**July 23, 2020
9:00 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee No. 5 was called to be held by Teleconference on **July 23, 2020** at **9:00 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED WITH THE AGENDA ON THE WEBSITE AT WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS. PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 34-5452 AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMATS UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY PROJECT COMMITTEE NO. 5 IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE PROJECT COMMITTEE NO. 5 ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT (949) 234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE PC-5 COMMITTEE LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

FOR MEETING PARTICIPATION:

**TELECONFERENCE PHONE NUMBER: 213-279-1455
TELECONFERENCE ID: 633 641 103**

July 23, 2020

AGENDA1. Call Meeting to Order2. Public Comments

THOSE WISHING TO ADDRESS THE **PROJECT COMMITTEE NO. 5** ON ANY ITEM LISTED ON THE AGENDA SHOULD SUBMIT A “REQUEST TO BE HEARD” FORM TO THE CLERK OF THE BOARD BEFORE THE PRESIDING OFFICER ANNOUNCES THAT AGENDA ITEM. YOUR NAME WILL BE CALLED TO SPEAK AT THAT TIME.

3. San Juan Creek Ocean Outfall Junction Structure Rehabilitation Overview

Recommended Action: Information Item

4. San Juan Creek Ocean Outfall Junction Structure Rehabilitation Constructability Proposal Review

Recommended Action: The Engineering PC-5 Committee recommends to the PC-5 Committee members the award of the Phase I Contract to Filanc in the amount of \$125,408 and authorize an additional contingency in the amount of \$12,500.

5. San Juan Creek Ocean Outfall Junction Structure Rehabilitation Black & Veatch Design Contract Amendment No. 1

Recommended Action: The Engineering PC-5 Committee recommends to the PC-5 Committee members to amend the Black and Veatch design contract for an increased fee of \$65,300 for a total amended contract price of \$163,700 and authorize a permitting assistance contingency for an additional \$16,800.

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Project Committee No. 5 at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Project Committee No. 5 meeting at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 16th day of July 2020.



Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

3

Project Committee No. 5

Meeting Date: July 23, 2020

TO: Project Committee 5 Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jason Manning, Director of Engineering
SUBJECT: San Juan Creek Ocean Outfall Junction Structure Rehabilitation Overview

Overview

The attached slides were presented to the California Coastal Commission in February of this year. They provide a general overview of the project and the proposed timeline to conduct the project to coincide with the California State Parks closure of the Doheny State Beach Campsite scheduled for this fall.

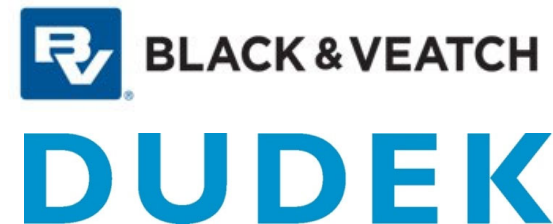
Key slides:

- 4 – Project Location
- 11 – Junction Structure Existing Condition
- 13 – Junction Structure Improvements
- 16 – Original Schedule
- 25 – Revised Schedule
- 26 – Revised Schedule

Recommended Action: Information item

SOCWA San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project

February 4, 2020



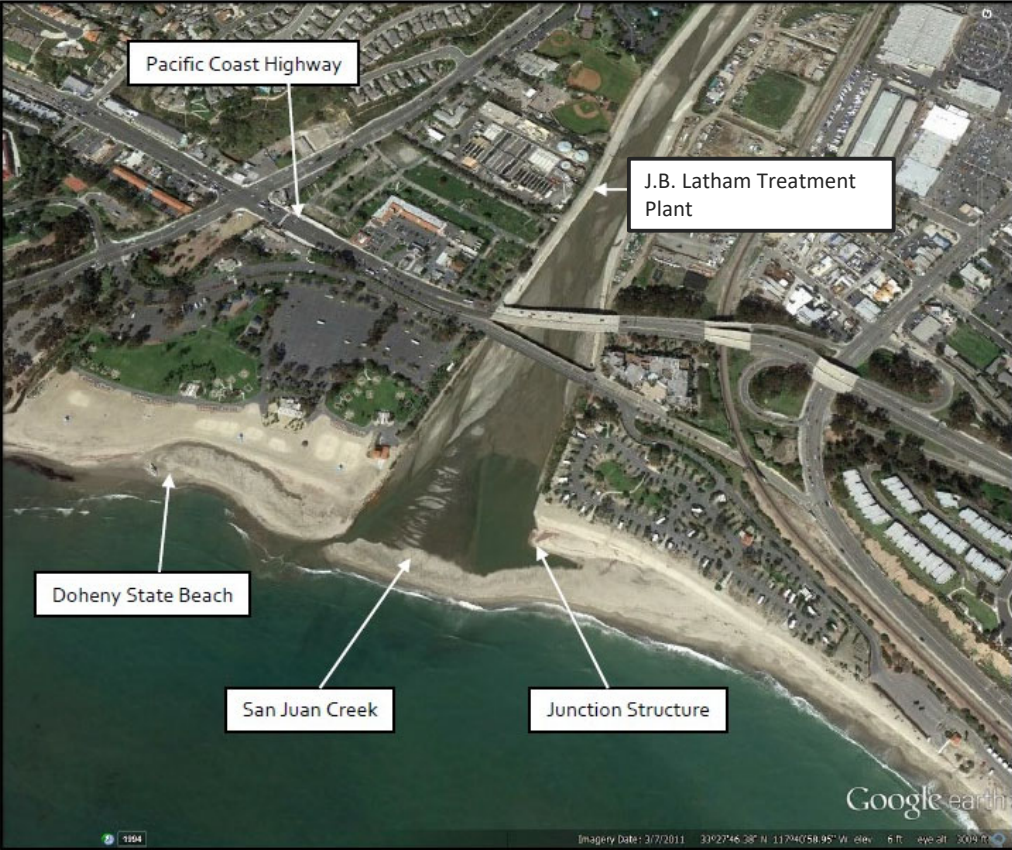
Agenda

- **Project Background and Purpose**
- **Project Details**
- **Baseline Schedule**
- **Work Area / Access**
- **California State Parks Doheny State Beach Sewer Line Project**
- **Coastal Act Policy Issues**



Project Background and Purpose

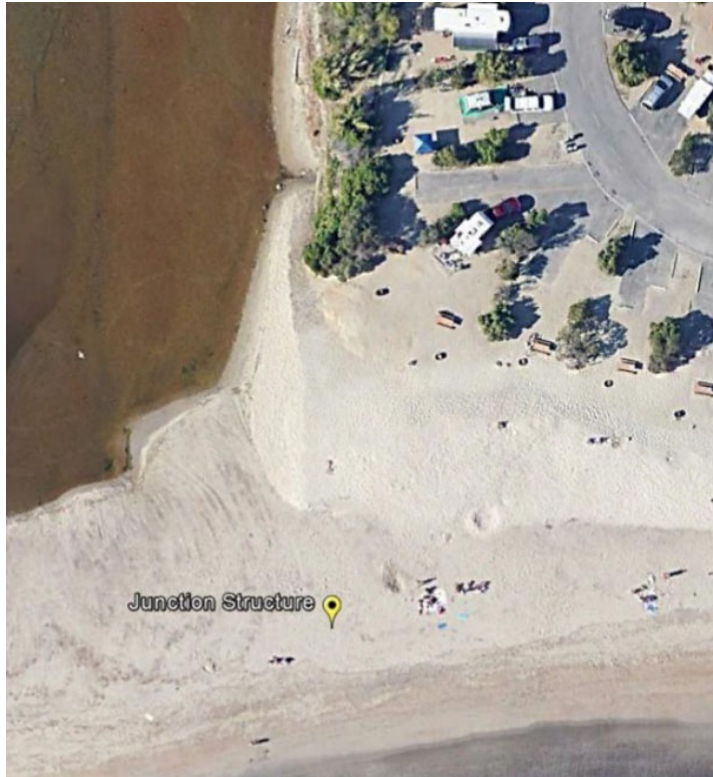
Project Location



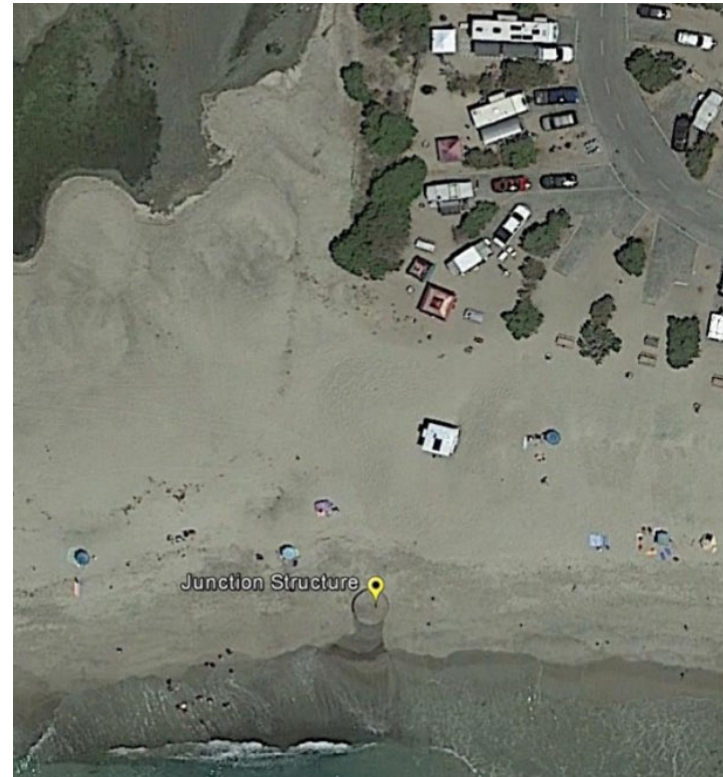
Source: Google Earth 2011



Site Conditions



**Buried Junction Structure
March 2017**



**Exposed Junction Structure
June 2018**

Site Conditions

March 2011	2012	April 2013	April 2014	March 2015	October 2016	March 2017	June 2018
Exposed	n/a	Buried	Buried	Buried	Exposed	Buried	Exposed

Note: Observations were made mostly in the spring.



Exposed Junction Structure June 2018



Buried Junction Structure – Current Condition

Project Background

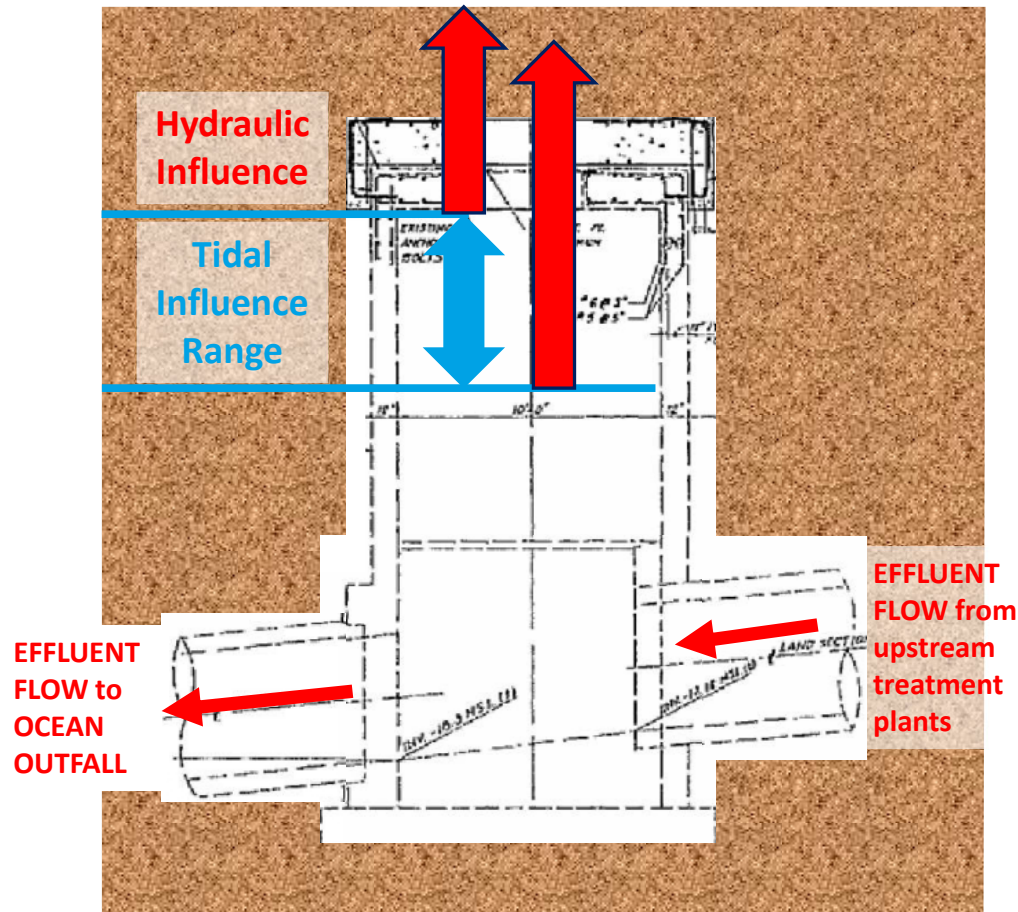
- **Late 1970s:** Constructed along with the San Juan Creek Ocean Outfall (SJCOO), the SJCOO Junction Structure (Junction Structure) formed the interface between the land and marine sections of the outfall and allowed access into the outfall for internal inspections through an access hatch.
- **1990s:** Junction Structure was modified to account for higher flows through the SJCOO and eliminate the access hatch.
- **2006:** An evaluation of the hydraulic capacity of the SJCOO, which included an analysis of the pressure rating of the system, determined the Junction Structure had structural deficiencies that could possibly result in the spill or unregulated discharge of treated effluent within the San Juan Creek land and ocean outfall.
- **2014:** Black & Veatch (B&V) developed and evaluated rehabilitation alternatives and recommended internal rehabilitation to maximize construction safety and minimize excavation within the tidal zone of Doheny State Beach.
- **2015:** B&V developed 30% design drawings and specifications based on the structure being buried.

Project Purpose

The purpose of this Project to rehabilitate the Junction Structure is to resolve its structural deficiencies as a measure to prevent potential effluent leakage in the future.

Project Details

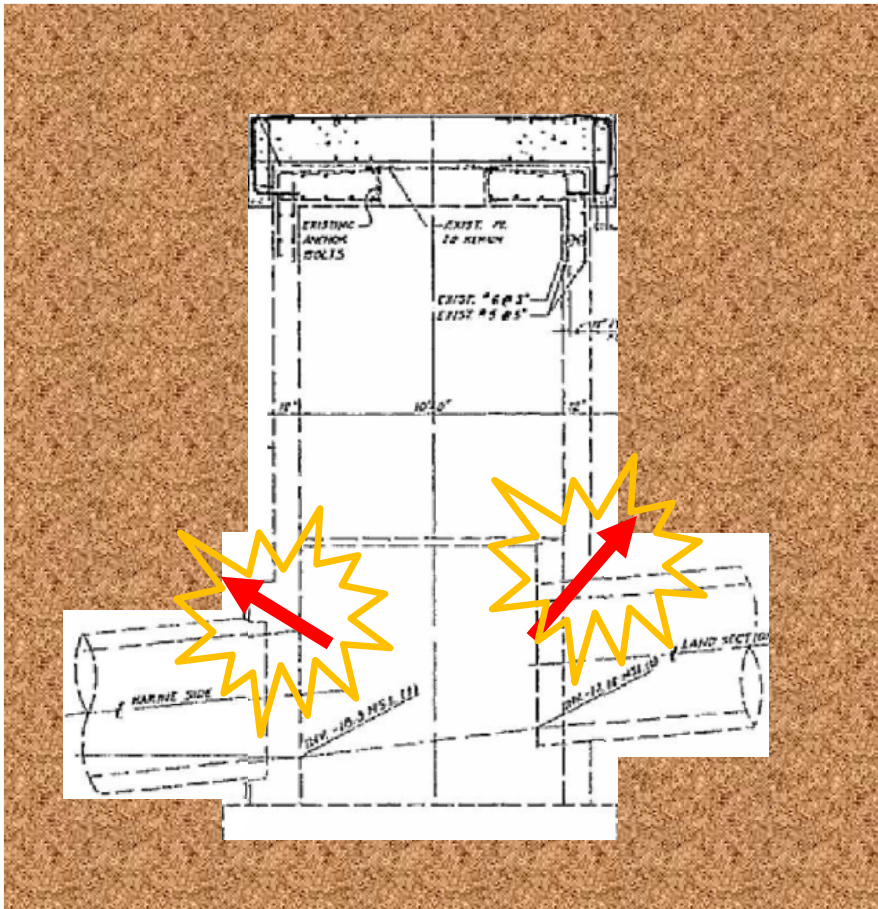
Junction Structure - Existing Condition



Section View of Existing Junction Structure



Junction Structure - Existing Condition



Section View of Existing Junction Structure

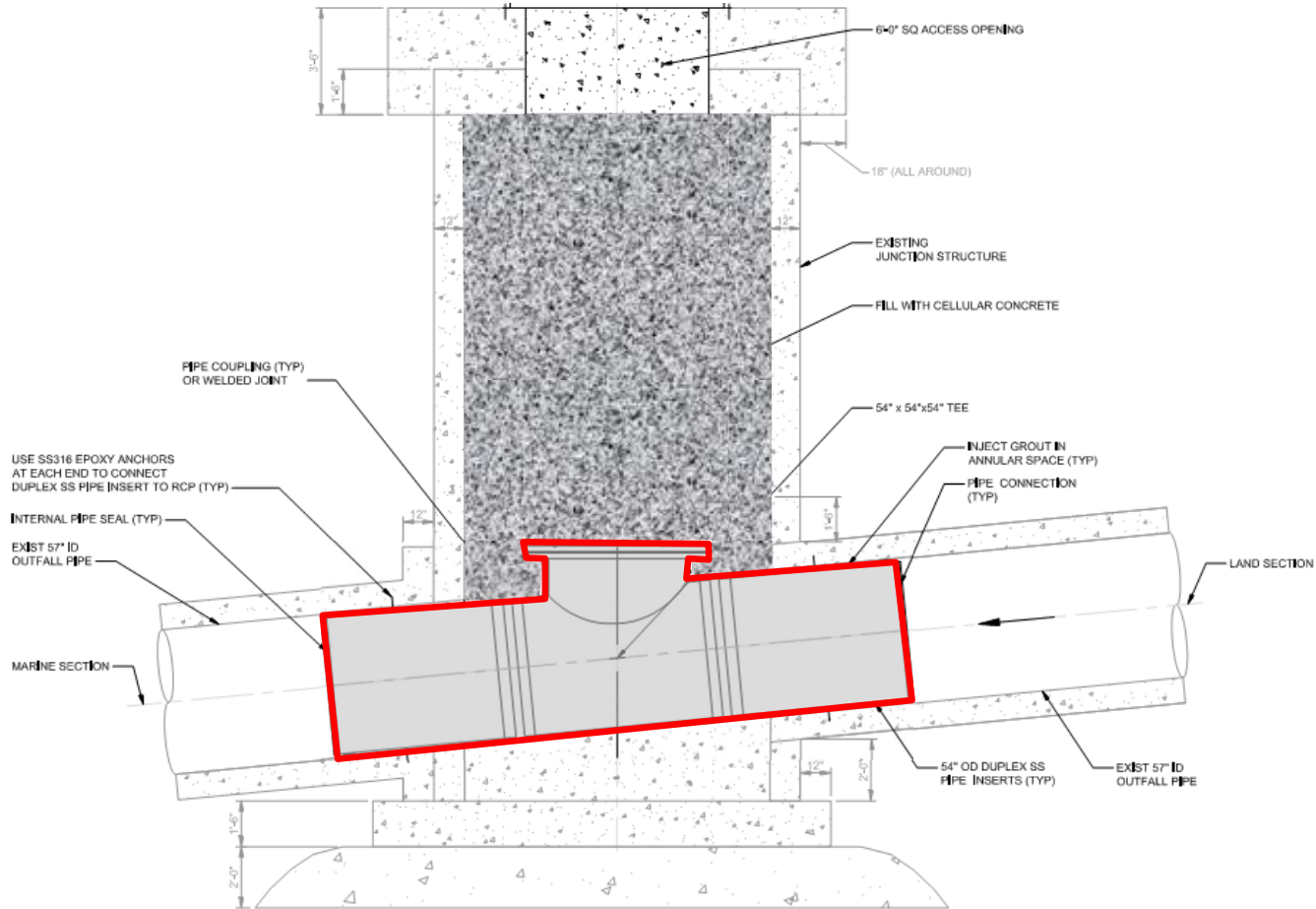
Concern:

Potential for differential settlement during a seismic event.

Result:

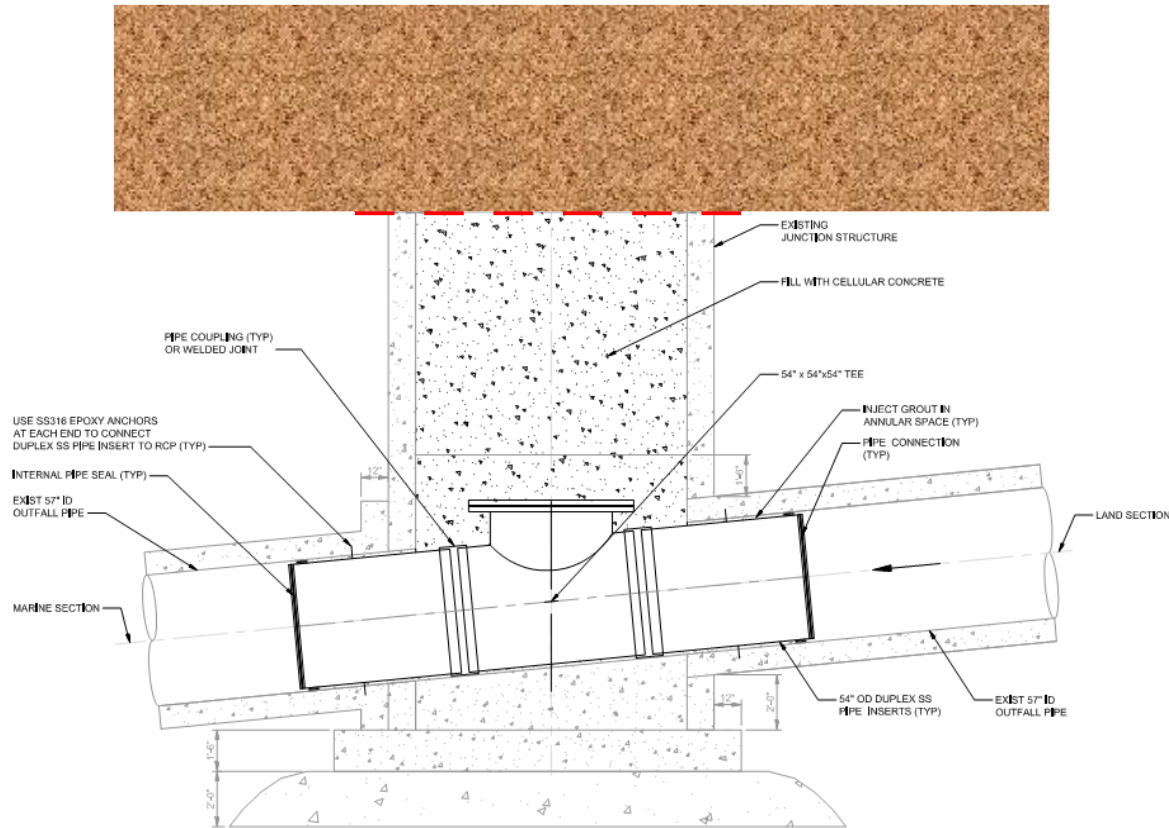
1. Cracking may result at the pipe to structure interface
2. Effluent may leak out into the sand

Junction Structure - Improvements



Section View of Proposed Improvements within the Junction Structure

Junction Structure - Improvements

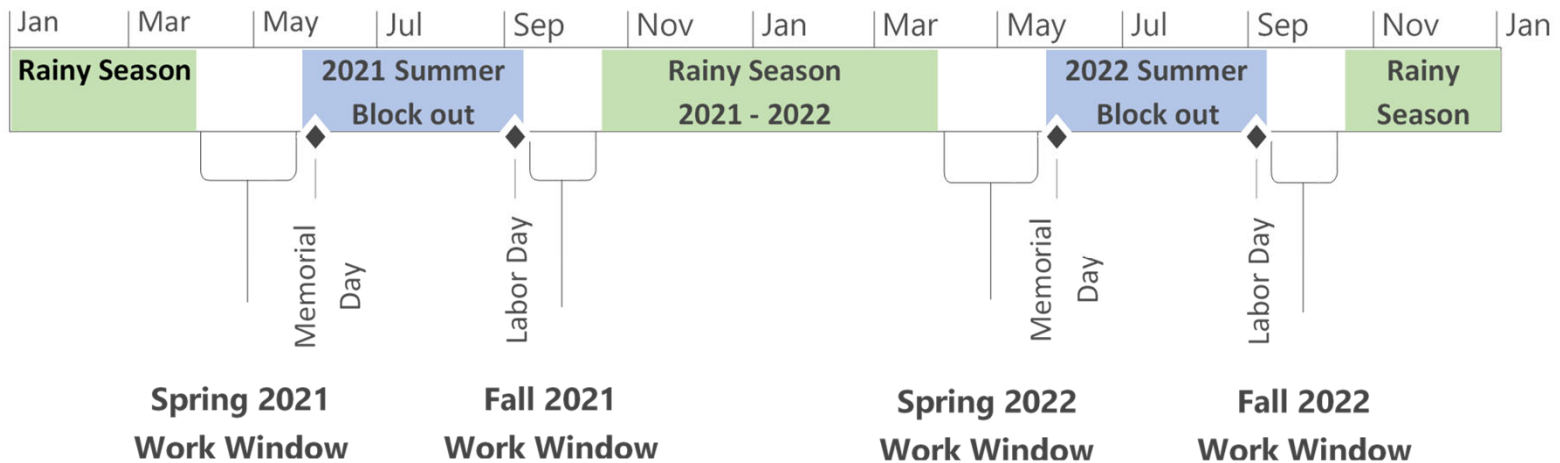


Section View of Proposed Improvements within the Junction Structure



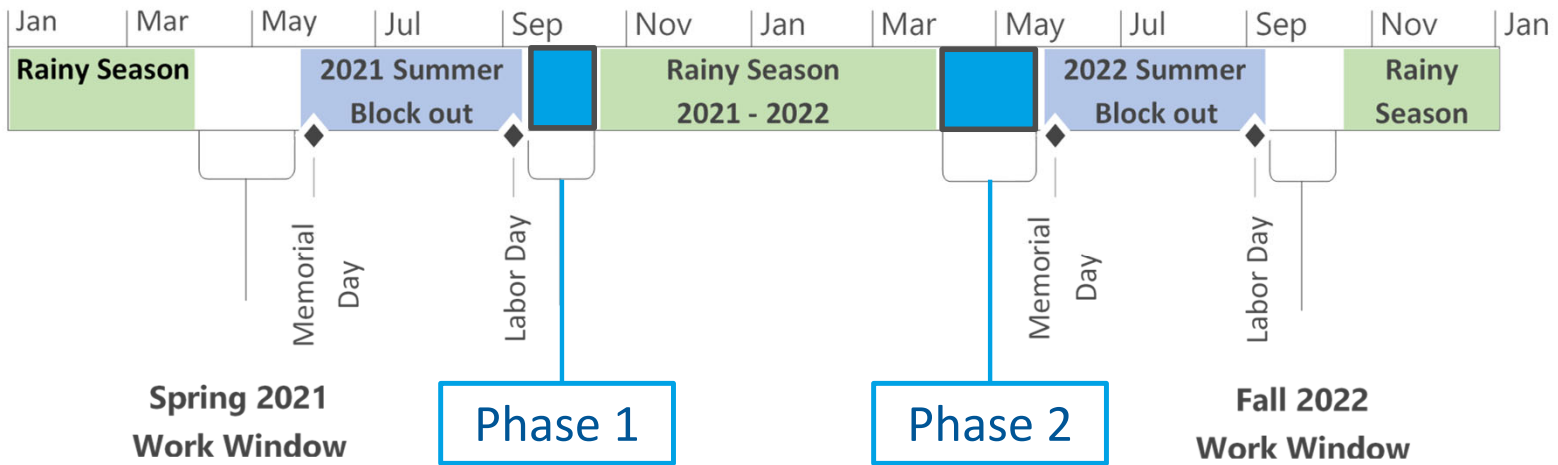
Baseline Schedule

Baseline Schedule - Seasonal Work Constraints



- 1) Dry Season – Work would be completed between the months of April and October
- 2) Off Season – Work would be completed between the 2nd week of September (post Labor Day) and 3rd week in May (pre Memorial Day)

Baseline Schedule - Preliminary Work Sequence



Phase 1: Inspection to confirm internal dimensions

Phase 2: Construct flow through liner and backfill structure with lightweight concrete.

Baseline Schedule – Phase 1

Condition Assessments and Measurements

4 Weeks = 10 Working Days & 2 Working Nights on the Beach

Week No.	Mon	Tues	Wed	Thurs	Fri	Working Hours
1						7 AM - 4 PM
2						11 PM - 7 AM
3						11 PM - 7 AM
4						7 AM - 4 PM

Baseline Schedule – Phase 2

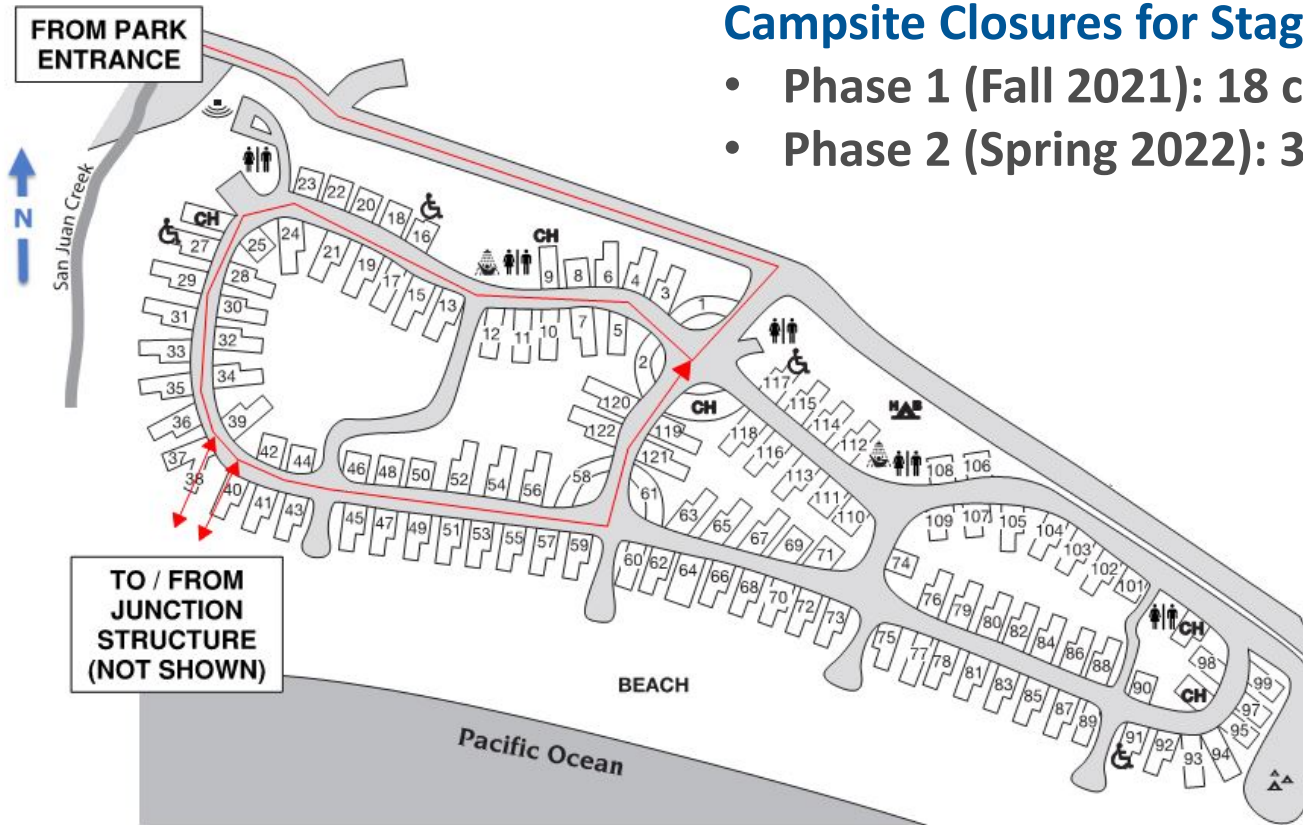
Internal Rehabilitation of the Junction Structure

6 Weeks = 10 Working Days & 4 Working Nights on the Beach

Week No.	Mon	Tues	Wed	Thurs	Fri	Working Hours
1	Working	Working	Working	Working	Working	7 AM - 4 PM
2					Working	11 PM - 7 AM
3					Working	11 PM - 7 AM
4					Working	11 PM - 7 AM
5					Working	11 PM - 7 AM
6	Working	Working	Working	Working	Working	7 AM - 4 PM

Work Area / Access

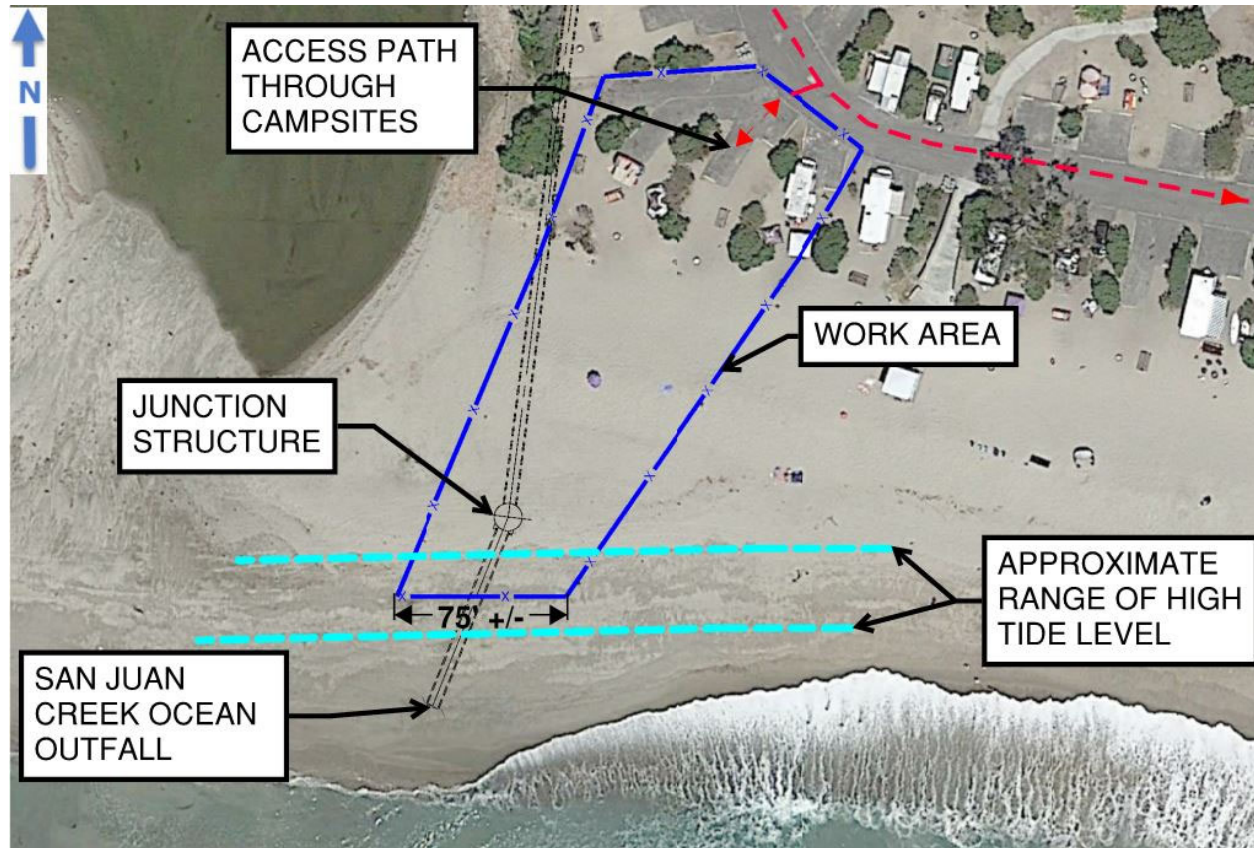
Work Area Access



Campsite Closures for Staging:

- Phase 1 (Fall 2021): 18 campsites (Sites #27 – 44)
- Phase 2 (Spring 2022): 31 campsites (Sites #13 – 44)

Work Area



Representative Site Protection



San Elijo Joint Powers Authority Land Outfall Replacement (CDP 6-16-0099 approved by CCC in Jan. 2017)

California State Parks Doheny State Beach Sewer Line Project

California State Parks Doheny State Beach Sewer Project

STATE OF CALIFORNIA - NATURAL RESOURCES AGENCY

GAVIN NEWSOM, GOVERNOR

CALIFORNIA COASTAL COMMISSION

South Coast Area Office
301 E. Ocean Blvd., Suite 300
Long Beach, CA 90802
(562) 590-5071



F18c

Filed: 06/17/2019
180th Day: 12/14/2019
Staff: D. Ziff-LB
Staff Report: 10/03/2019
Hearing Date: 10/18/2019

STAFF REPORT: REGULAR CALENDAR

Application No.: 5-19-0225

Applicants: California Department of Parks and Recreation

Agents: Luke Serna, Associate Park and Recreation Specialist

Location: 25300 Harbor Drive, Dana Point, Orange County

Project Description: Reline or replace approximately 6,500 linear feet of existing sewer lines within Doheny State Beach. Includes temporary trenching, phased closure of the day use area during construction and complete closure of the campground from November 15, 2020 through April 1, 2021, demolition and replacement of vegetation outside bird breeding season (February 15 to September 1), construction of an approximately 6 foot high maintenance yard lift station, rehabilitation and installation of manholes, and system monitoring.

Staff Recommendation: Approval with conditions

Closure of Day Use Area:

- Between November 2019 and April 2020

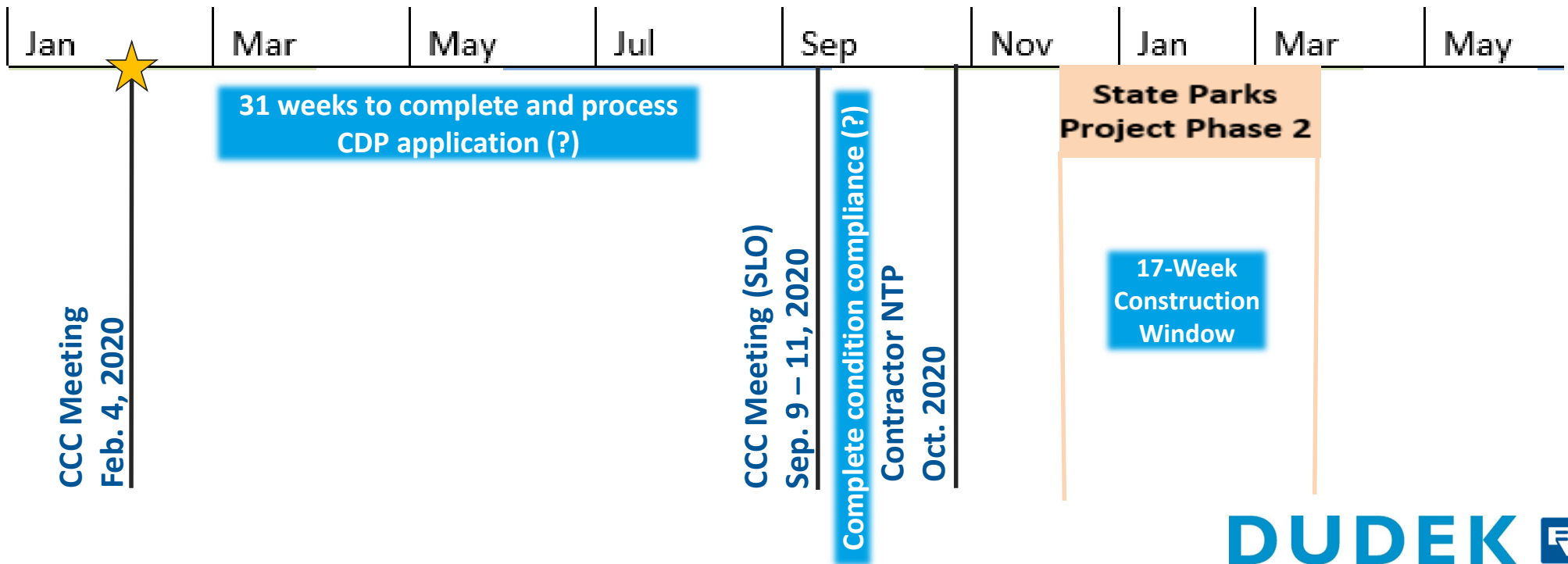
Closure of Campground:

- Between November 2020 and April 1, 2021



California State Parks Doheny State Beach Sewer Project

- Doheny State Campground will be closed between November 2020 through March 2021 for Phase 2 of the Project
- State Parks' preference would be for SOCWA's Project to coincide with Phase 2



California State Parks Doheny State Beach Sewer Project Proposed Junction Structure Project Schedule

	Mon	Tues	Wed	Thurs	Fri	Working Hours
Week 1: 11/30/2019	Working	Working	Working	Working	Working	7 AM - 4 PM
Week 2: 12/7/2019					Working	11 PM - 7 AM
Week 3: 12/14/2019					Working	11 PM - 7 AM
Week 4: 12/21/2019					Working	11 PM - 7 AM
Week 5: 12/28/2020						
Christmas Week New Year Week						
Schedule Float for Rain Events						
Weeks 6 - 14:						
Week 14: 3/1/2021					Working	11 PM - 7 AM
Week 15: 3/8/2021					Working	11 PM - 7 AM
Week 16: 3/15/2021					Working	11 PM - 7 AM
Week 17: 3/22/2021	Working	Working	Working	Working	Working	7 AM - 4 PM

**17 Weeks =
10 Working
Days &
6 Working
Nights
on the Beach**



Campground Impact Comparison

Baseline Approach

- **Campsite closures**
 - Phase 1 (Fall 2021): 18 campsites (Sites #27 – 44)
 - Phase 2 (Spring 2022): 31 campsites (Sites #13 – 44)

Concurrent with State Parks' Project

- **Campsite closures**
 - Winter 2020 / 2021: 0 (State Parks will be completely closing the campground)

Coastal Act Policy Issues

Public Access and Recreation

Impact

- No public access within work area
- Limited public access along the beach
- Campsite closures dependent on schedule (baseline or concurrent with State Parks' Project)

Mitigation

- Minimum work area and construction duration (avoiding summer peak season)
- Beach adjacent to the work area will remain open and the public will be able to walk seaward of the project at low tide
- Signage would be posted around the work area

Public Access and Recreation



Coastal Hazards and Sea Level Rise

Impact

- Work area vulnerable to wave action and high tides
- Risk to Junction Structure itself from sea level rise

Mitigation

- Minimum work area
- Staging off public beach
- Proposed sand bag barrier (using native sand to minimize impacts to biological resources)
- After construction, barrier removed and work area restored
- Junction Structure will be weighted down to counteract floatation associated with sea level rise



Conceptual Work Area Barrier Location



Biological Resources and Water Quality

Impact

- Construction may occur during nesting season, and noise and artificial lighting required for night work may affect the western snowy plover and California least tern
- Construction on the beach involves transport, use, and disposal of hazardous materials

Mitigation

- Mitigation measures would avoid or minimize adverse impacts, such as pre-construction surveys to identify active nests, noise barriers, and lighting pointed directly toward work area
- Staging and storage off public beach, and implementation of BMPs, e.g. spill prevention and control measures

Visual Resources

Impact

- Temporary barriers, fencing, and sound walls would be constructed around the work area during construction
- Very little of the work area is visible from Pacific Coast Highway and Coast Highway

Mitigation

- Minimum construction duration (avoiding summer peak season)
- After construction, work area returned to pre-existing condition and views restored

View from Coast Highway



View from Pacific Coast Highway



Questions?

Agenda Item

4

Legal Counsel Review: N/A

Meeting Date: July 23, 2020

TO: Project Committee 5 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: San Juan Creek Ocean Outfall Junction Structure Rehabilitation
Constructability Proposal Review

Overview

The Request for Proposal for the SJCOO Rehabilitation Constructability Review (Phase I) was issued on June 5, 2020 and the deadline extended by one week to July 9, 2020. Phase I represents the Constructability Review, minor repairs in the SJCOO Metering Vault, and SJCOO Junction Structure inspection with a Remotely Operated Vehicle. The Phase II (construction) costs will be presented to the Engineering Committee and to the Board for approval after the completion of Phase I.

Proposals were sent to the following five contractors:

- Pascal & Ludwig
- Filanc
- J.F. Shea Construction
- Kiewit Infrastructure West
- Pacific Hydrotech

A pre-proposal meeting was held at Doheny State Beach on June 16, 2020 with representatives from Pascal & Ludwig, Filanc, and Kiewit in attendance.

One proposal was received from Filanc.

Proposal Summary

Firm	Filanc
Project Manager	Luis Reyes
Project Engineer	Andrea Farias
Principal	Mark Filanc
Subconsultants	ROV Contractor TBD
Qualifications	Completed similar projects including the San Elijo JPA Land Outfall Replacement and Encina Wastewater Authority Outfall Project. Extensive experience with Design Build and CMAR projects.
Schedule	Phase I completed by September 18, 2020. Phase II Completed by March 26, 2021.
Contract Issues	None
Proposal Requirement Compliance	Complied
Project Cost	\$125,408

Project Financials

There are currently two open contracts for the SJCOO Junction Structure Rehabilitation project:

- Black & Veatch, design \$98,400
- Dudek, permitting, \$135,870

Budget has already been allocated for the above contracts and cash collected for each.

Table 1 - Available Budgets

Project	Phase	Budget
3605-000 Junction Structure Reinforcement Permitting and Final Design	Phase I	\$377,457
3650-000 Junction Structure Reinforcement Construction	Phase II	\$984,643
Total		\$1,362,100

Table 2 – Project Costs for Final Design, Metering Station Repair, and ROV (Phase I).

Company	Previously Approved	Fee	Contingency	Total	Budget	Budget Surplus
Black & Veatch	\$98,400	\$65,300	\$16,800	\$180,500		
Filanc	-	\$125,408	\$12,500	\$137,908		
Total	\$98,400	\$190,708	\$29,300	\$318,408	\$377,457	\$59,049

Table 3 – Cost Breakdown by Agency for Phase I Costs

Agency	Filanc Cost	Filanc Contingency	Black & Veatch Previously Approved Design	Black & Veatch Amended Cost	Black & Veatch Contingency	Total Cost
CSC	\$20,843	\$2,078	\$16,354	\$10,853	\$2,792	\$52,919
CSJC	\$13,895	\$1,385	\$10,903	\$7,235	\$1,861	\$35,280
MNWD	\$19,451	\$1,939	\$15,262	\$10,128	\$2,606	\$49,385
SCWD	\$15,638	\$1,559	\$12,270	\$8,143	\$2,095	\$39,705
SMWD	\$55,581	\$5,540	\$43,611	\$28,941	\$7,446	\$141,118
Total	\$125,408	\$12,500	\$98,400	\$65,300	\$16,800	\$318,408

Table 4 – Estimated costs for Construction (Phase II)

Task	Estimated Fee
Construction	\$700,000
Engineering Services During Construction	\$30,000
Construction Management	\$70,000
Biological Monitoring/CDP Compliance	\$50,000
Total	\$850,000

Recommended Action: The Engineering PC-5 Committee recommends to the PC-5 Committee members the award of the Phase I Contract to Filanc in the amount of \$125,408 and authorize an additional contingency in the amount of \$12,500.

Agenda Item

5

Legal Counsel Review: N/A

Meeting Date: July 23, 2020

TO: Project Committee 5 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: San Juan Creek Ocean Outfall Junction Structure Rehabilitation Black & Veatch Design Contract Amendment No. 1

Overview

On August 27, 2019, Black and Veatch was issued a purchase order for \$98,400 for the completion of the design of the SJCOO Junction Structure Rehabilitation Project to be completed by December 31, 2021.

Earlier this year, California State Parks notified SOCWA that they would be shutting down the Doheny State Beach campsite for upgrades to the campgrounds and facilities starting at the end of November 2020 and continuing through the end of March 2021. In discussions about their project and the Junction Structure Rehabilitation project, State Parks indicated a preference to have them conducted at the same time reducing the closures to the campground. The project team met and considered options to accommodate the State Parks request. After reviewing the options, SOCWA, Dudek, and Black and Veatch met with the California Coastal Commission (CCC) to gain agreement on processing a Coastal Development Permit. The CCC staff agreed that they would also like to reduce the amount of time the campground is closed and, pending certain criteria, agreed to expedite the permit processing. The CCC permit application was accepted as complete on June 2, 2020.

Black and Veatch has assisted in the process of identifying a method to move the project forward to meet the California State Parks and CCC request to complete the project within the condensed timeframe. The draft addendum (Attachment 2) allows for an increased fee to cover this and other costs associated with the condensed design schedule. The addendum also clarifies that Black and Veatch is responsible for the final design after the constructability review. The fee increase is on a "time and materials" basis. The final design is expected to be completed by the end of September 2020.

Project Financials

There are currently two open contracts for the SJCOO Junction Structure Rehabilitation project:

- Black & Veatch, design \$98,400
- Dudek, permitting, \$135,870

Budget has already been allocated for the above contracts and cash collected for each.

Black and Veatch Addendum 1 would increase the total design contract by \$65,300 for a total time and materials contract of \$163,700.

Table 1 - Available Budgets

Project	Phase	Budget
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MNWD	\$19,451	\$1,939	\$15,262	\$10,128	\$2,606	\$49,385
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SMWD	\$55,581	\$5,540	\$43,611	\$28,941	\$7,446	\$141,118
Total	\$125,408	\$12,500	\$98,400	\$65,300	\$16,800	\$318,408

Table 4 – Estimated costs for Construction (Phase II)

Task	Estimated Fee
Construction	\$700,000
Engineering Services During Construction	\$30,000
Construction Management	\$70,000
Biological Monitoring/CDP Compliance	\$50,000
Total	\$850,000

Recommended Action: The Engineering PC-5 Committee recommends to the PC-5 Committee members to amend the Black and Veatch design contract for an increased fee of \$65,300 for a total amended contract price of \$163,700 and authorize a permitting assistance contingency for an additional \$16,800.