



Notice of Special Meeting
NACIMIENTO PROJECT COMMISSION

THURS., OCT 3, 2024 – 4:00 PM

IN-PERSON LOCATION: (COMMISSIONERS MUST ATTEND IN-PERSON)

Templeton CSD, Board Meeting Room, 206 5th Street, Templeton, CA 93465
(805) 434-4900

VIRTUAL OPTION: (ONLY FOR AGENCY STAFF OR MEMBERS OF THE PUBLIC)

<https://us02web.zoom.us/j/81294214736?pwd=iAbnKC8TYBDDqmHML4GzxxE3lpag6D.1>

Meeting ID: 812 9421 4736 Passcode: 090574 Call in: 1-669-900-6833

AGENDA ITEMS & PUBLIC COMMENTS:

For more information: [https://www.slocounty.ca.gov/Departments/Public-Works/Forms-](https://www.slocounty.ca.gov/Departments/Public-Works/Forms-Documents/Committees-Programs/Nacimiento-Project-Commission.aspx)

[Documents/Committees-Programs/Nacimiento-Project-Commission.aspx](https://www.slocounty.ca.gov/Departments/Public-Works/Forms-Documents/Committees-Programs/Nacimiento-Project-Commission.aspx)

Public comments can be submitted to: Anna McKenna at AMcKenna@co.slo.ca.us

COMMISSIONERS: Wayne Peterson, Chair (Templeton CSD); Grigger Jones, Vice Chair (Atascadero MWC); Emily Francis (City of San Luis Obispo); John Peschong (District); John Hamon (Paso Robles)

AGENDA

- I. **CALL TO ORDER**
 - A. Roll Call for Quorum Count
 - B. Flag Salute
- II. **PUBLIC COMMENT** (For non-agenda items within Commission jurisdiction; three-minute limit each.)
- III. **COMMISSION ACTION ITEMS**
 - A. Yerba Buena Repair. Authorize a budget adjustment in the amount of \$815,000 to increase appropriations in Fund Center – 549 Nacimiento Water Project for costs related to the Yerba Buena Creek Crossing Project (310003) from NWP Operating Reserves and additional contributions by NWP participants.
Staff Recommendation: Endorse Budget Adjustment and recommend approval by County BOS.
- IV. **DATE OF NEXT REGULAR MEETING**
 - A. November 21, 2024
- V. **ADJOURNMENT**

ATTACHMENTS

1. Item IIIA. - Staff Report

CONTACT: *All Americans with Disabilities Act (ADA) accommodations shall be promptly reviewed and resolved.*

Persons who require accommodations for any audio, visual or other disability in order to review an agenda, or to participate in the meeting per the ADA, are encouraged to request such accommodation 48 hours in advance of the meeting from County Public Works at (805) 781-5252.



**COUNTY OF SAN LUIS OBISPO
BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works	(2) MEETING DATE 10/22/2024	(3) CONTACT/PHONE Anna McKenna, Supervising Engineer (805) 781-1521	
(4) SUBJECT Request to: 1) accept the third update regarding, and confirm the need to continue, the emergency actions to repair the Nacimiento Water Pipeline at the Yerba Buena Creek crossing in accordance with Public Contract Code Section 20134 and 22050, 2) authorize a budget adjustment in the amount of \$815,000 to increase appropriations in Fund Center – 549 Nacimiento Water Project for costs related to the Yerba Buena Creek Crossing Project (310003) from NWP Operating Reserves and additional contributions by NWP participants, by a 4/5 vote.			
(5) RECOMMENDED ACTION It is recommended that the Board, acting as the Board of Supervisors for the San Luis Obispo County Flood Control and Water Conservation District (District): <ol style="list-style-type: none"> 1. Accept the third update regarding, and confirm the need to continue, the emergency actions to repair the Nacimiento Water Pipeline at the Yerba Buena Creek crossing in accordance with Public Contract Code Section 20134 and 22050, by 4/5 vote. 2. Authorize a budget adjustment in the amount of \$815,000 to increase the appropriations within FC 549 – Nacimiento Water Project (WBS 310003) for the Yerba Buena Creek Crossing Project from NWP Operating Reserves and additional contributions by NWP participants, by 4/5 vote. 			
(6) FUNDING SOURCE(S) FC 549 – Nacimiento Water Operations	(7) CURRENT YEAR FINANCIAL IMPACT \$815,000	(8) ANNUAL FINANCIAL IMPACT N/A	(9) BUDGETED? no
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. _____) <input type="checkbox"/> Board Business (Time Est. _____)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input checked="" type="checkbox"/> N/A			
(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) N/A		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: <input checked="" type="checkbox"/> 4/5th's Vote Required <input type="checkbox"/> N/A	
(14) LOCATION MAP Attached	(15) BUSINESS IMPACT STATEMENT? No	(16) AGENDA ITEM HISTORY <input type="checkbox"/> N/A Date 9/24/24 #43, 9/10/24 #24, 1/9/24, #14; 6/20/23, #26; 6/6/23, #49; 5/16/23, #30; 5/2/23, #26; 4/18/23, #25;	

		4/4/23, #21; 3/21/23, #30; 3/7/23, #13; 2/28/23, #21; 2/7/23, #19; 1/24/23, #8
(17) ADMINISTRATIVE OFFICE REVIEW		
(18) SUPERVISOR DISTRICT(S)		

Reference: 24.133



COUNTY OF SAN LUIS OBISPO

TO: Board of Supervisors

FROM: Public Works
Anna McKenna, Supervising Engineer

VIA: Nola Engelskirger, Water Utilities Division Manager

DATE: 10/22/2024

SUBJECT: Request to: 1) accept the third update regarding, and confirm the need to continue, the emergency actions to repair the Nacimiento Water Pipeline at the Yerba Buena Creek crossing in accordance with Public Contract Code Section 20134 and 22050, by a 4/5 vote 2) authorize a budget adjustment in the amount of \$815,000 to increase appropriations in Fund Center – 549 Nacimiento Water Project for additional costs related to the Yerba Buena Creek Crossing Project (310003) from NWP Operating Reserves and additional contributions by NWP participants, by a 4/5 vote.

RECOMMENDATION

It is recommended that the Board, acting as the Board of Supervisors for the San Luis Obispo County Flood Control and Water Conservation District (District):

1. Accept the third update regarding, and confirm the need to continue, the emergency actions to repair the Nacimiento Water Pipeline at the Yerba Buena Creek crossing in accordance with Public Contract Code Section 20134 and 22050, by 4/5 vote.
2. Authorize a budget adjustment in the amount of \$815,000 to increase the appropriations within FC 549 – Nacimiento Water Project (WBS 310003) for the Yerba Buena Creek Crossing Project from NWP Operating Reserves and additional contributions by NWP participants, to Project, by 4/5 vote.

DISCUSSION

The District recently completed construction of temporary piping on the Nacimiento Water Project (NWP) in south Atascadero to reconnect the 800-foot section of pipeline that was damaged and lost during the 2023 winter storms when the Salinas River swelled and eroded the cover and ground supporting it. The damages resulted in the shutdown of water supply delivery to the City of San Luis Obispo (City) until the temporary piping could be constructed.

After the temporary piping was installed, water deliveries resumed on July 24, 2024, for approximately 12 hours until another leak was discovered at the Yerba Buena Creek crossing. The leak resulted in the discharge of raw (non-treated) NWP water into Yerba Buena Creek. The District notified the Central Coast Water Quality Control Board of the leak as required by the NWP National Pollutant Discharge Elimination System (NPDES) permit.

Preliminary review of the site indicated that that leak originated from the pump out to the east of the Yerba Buena Creek crossing. The District hired a contractor, Whitaker, to excavate to the pump out and fix the leak. Initial estimate for cost of excavation and repair of the pump out was expected to be under \$60,000. After further investigation, it was determined that the leak was not located in the pump out, which suggested there was a leak in the section of pipeline under the Yerba Buena Creek. The Yerba Buena Creek crossing is approximately 18 feet deep and 200 feet long and is comprised of an 18-inch distribution pipeline inside a 36-inch steel casing that runs under the creek. It became immediately critical to confirm the location of the leak, and to identify the cause of the leak to prevent further damage to the pipeline and surrounding property. To confirm the leak location required further excavation, approximately 18 feet down to the depth of the undercrossing casing, was required. In addition, shoring and dewatering was also required due to wet, loose soil conditions.

The District could not delay the work to perform a competitive solicitation because isolation of the leak location, determination of its cause, and repair of the pipeline was necessary to prevent further damage to the pipeline and surrounding property. The District issued an emergency purchase order with Whitaker. Whitaker was chosen because of their previous knowledge of the pipeline, previous success in performing similar work, and their immediate access to resources, including equipment, equipment operators, and materials.

Whitaker excavated to the east and west side of the casing pipe and inserted a camera into the pipeline to find the leak location. A 2-inch leak was discovered on the top of the 18-inch ductile iron pipe approximately 9 feet into the casing. Whitaker cut the steel casing and ductile iron pipe and removed them from the shored excavation. The District discovered that the leak was caused by corrosion and that there was evidence of significant corrosion pitting along the entire 9 foot long pipe section that was removed. Since the damage was caused by corrosion, the District hired a corrosion consultant to inspect the damaged section and existing piping east and west of the damaged section. The corrosion expert determined that the undercrossing and pipe east and west of the undercrossing are installed in a corrosive environment and that protecting the undercrossing and surrounding pipe is needed to prevent further corrosion and prevent future catastrophic failures due to corrosion. The corrosion expert also identified a second advanced corrosion spot of the damaged section that was very close to failure. Since the pipe is installed in a corrosive environment, it will continue to corrode until additional protection is installed. Delay of the repair and corrosion protection will result in additional damage to the NWP pipeline.

Emergency repairs are required as soon as possible to prevent further damage to the pipeline and surrounding area and restore an essential water supply to the City. Assessment of the pipeline and

implementation of the necessary emergency repairs are ongoing and expected to be completed by November 2024. The pipeline is disconnected and in segments, the leak led to a significant loss of the sand between the carrier and casing pipes that provides structural support, the casing pipe grouting is compromised, the polywrapping (corrosion protection) of the existing pipe has been damaged, the pump out was removed, the end seals were damaged by the leak and removed, and the casing was cut and needs to be re-welded prior to backfilling the east and west excavations.

The excavations cannot be restored to their pre-existing condition prior to implementation of the repair without causing significant additional damage to the remaining pipe and potentially the creek. The work needs to be completed to protect the existing pipeline, the creek, mitigate further corrosion, and restore water service. The leak is resulting in the continued shutdown of water supply deliveries to the City. The City typically receives 5.3 million gallons per day from the NWP pipeline and uses this critical source to serve its 47,545 residents.

The scope of the emergency repair involves the removal and replacement of the leaking section of ductile iron pipe with high-density polyethylene (HDPE) and installation of additional corrosion protection. The damaged ductile iron pipe was removed from the casing on September 13, 2024. Operators inspected the casing using a camera to verify condition and determine if casing repairs are needed. The District is working to ensure the pipeline repair is completed in a way that ensures long-term reliability of the pipeline to convey essential water supply to the City.

In accordance with Public Contract Code Section 22050, staff will return to your Board to provide updates on the emergency actions to repair the Nacimiento Water Pipeline until completed.

Actions Taken since October 8, 2024, Board Meeting:

- GHD is finalizing design of the HDPE pipeline replacement.
- Contract was finalized with Whitaker to complete the HDPE pipeline replacement. Whitaker has initiated ordering materials for the replacement.

After finalizing the design and receiving materials on site the Contractor will complete the repair. It is anticipated that the construction will be completed in November.

OTHER AGENCY INVOLVEMENT/IMPACT

The City of San Luis Obispo and the Santa Margarita Ranch will not receive essential water supply deliveries if emergency actions are not carried out to repair the NWP pipeline.

A special NWP Commission meeting was held on October 3, 2024. The NWP Commission approved continuing with the emergency repair project and the necessary budget adjustment.

FINANCIAL CONSIDERATIONS

Implementation of the emergency repairs are ongoing, and the final cost of the repair is unknown. Costs to date are estimated to be \$250,000 including contractor and District staff. It is anticipated that the remaining repair may cost an additional \$565,000, making the total emergency project costs in the range of \$815,000.

Funding for the repairs will come from FC 549 – Nacimiento Water Project, by the NWP participants in accordance with their water supply agreements. A budget adjustment is needed to increase appropriations to complete the project, which will be funded through use of reserves and additional billings to the participants, recommended by the NWP Technical Support Group and approved by the NWP Commission.

RESULTS

Approval of the recommended actions will allow the District to address this emergency, mitigate further pipeline and property damage, expedite the leak repair, and restore an essential water supply to the City of San Luis Obispo, which will result in a safer, more livable community.

ATTACHMENTS

1 Vicinity Map

File: WBS 310003

Reference: TBD

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