

August 14, 2023

MEETING NOTICE**SANTA CLARA VALLEY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM COMMITTEE**

Members of the Capital Improvement Program Committee:

Director Nai Hsueh, Chairperson
Director Tony Estremera, Vice-Chairperson
Director Jim Beall, Committee Member

Staff Support of the Capital Improvement Program Committee:

Rick L. Callender, Esq., Chief Executive Officer
Melanie Richardson, Asst. Chief Executive Officer
Bhavani Yerrapotu, Acting Asst. Chief Executive Officer
Darin Taylor, Chief Financial Officer
Aaron Baker, Chief Operating Officer –Water Utility
Rechelle Blank, Chief Operating Officer –Watersheds
Chris Hakes, Acting Chief Operating Officer -Watersheds
Rachael Gibson, Chief of External Affairs
Tina Yoke, Chief Administrative Officer
Leslie Orta, Senior Assistant District Counsel
Audrey Beaman, Assistant District Counsel
Sam Bogale, Deputy Operating Officer
Tony Ndah, Deputy Administrative Officer
Don Rocha, Deputy Administrative Officer
John Bourgeois, Deputy Operating Officer
Jennifer Codianne, Deputy Operating Officer
Emmanuel Aryee, Deputy Operating Officer
Vincent Gin, Deputy Operating Officer
Gregory Williams, Deputy Operating Officer
Patrice McElroy, Deputy Administrative Officer
Alex Gordon, Assistant Officer
Lisa Bankosh, Assistant Officer
Kirsten Struve, Assistant Officer
Bryant Welch, Labor Relations Officer

David Montenegro, Principal Construction
Contracts Administrator
Erin Baker, Asset Management Manager
Charlene Sun, Treasure & Debt Manager
Jessica Collins, Business Planning &
Analysis Unit Manager
Enrique De Anda, Budget Manager
Jennifer Martin, Program Administrator
Conception Gayotin, Purchasing & Contracts
Manager
Linh Hoang, Communications Manager
Jill Bernhard, Acting System Development &
Support Manager
Sarah Berning, Program Administrator
Phyllis Chen, Senior Management Analyst
Alison Phagan, Senior Management Analyst
Stacy Klopfer, Senior Management Analyst
Agnes Lee, Senior Management Analyst
Chenlei Yao, Senior Management Analyst
Feliser Lee, Senior Management Analyst
Timothy Chan, Management Analyst II
Kristie Resendez, Management Analyst II

A Santa Clara Valley Water District regular Capital Improvement Program Committee meeting has been scheduled to occur at 11:00 a.m. on Monday, August 21, 2023 at the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden, San Jose, CA.

Members of the public may join at: <https://valleywater.zoom.us/j/94158013374>.

The meeting agenda and corresponding materials are located on the Committee's website at: <https://www.valleywater.org/how-we-operate/committees/board-committees>.

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Santa Clara Valley Water District Capital Improvement Program Committee Meeting

Headquarters Building Boardroom
5700 Almaden Expressway, San Jose, CA 95118

Join Zoom Meeting
<https://valleywater.zoom.us/j/94158013374>

REGULAR MEETING AGENDA

**Monday, August 21, 2023
11:00 AM**

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

BOARD COMMITTEE MEMBERS:

Committee Chair:
Director Nai Hsueh, District 5

Committee Vice Chair:
Director Tony Estremera, District 6

Committee Member:
Director Jim Beall, District 4

During the COVID-19 restrictions, all public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body, will be available to the public through the legislative body agenda web page at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

COMMITTEE LIAISON:
Jessica Collins

COMMITTEE CLERK:
Nicole Merritt
Assistant Deputy Clerk II
408-265-3262
nmerritt@valleywater.org
www.valleywater.org

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

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**Santa Clara Valley Water District
Capital Improvement Program Committee
REGULAR MEETING
AGENDA**

Monday, August 21, 2023

11:00 AM

HQ Building Boardroom, 5700 Almaden
Expressway, San Jose, CA 95118

Join Zoom Meeting:
<https://valleywater.zoom.us/j/94158013374>

*****IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS*****

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee during public comment or on any item listed on the agenda, may do so by filling out a Speaker Card and submitting it to the Clerk or using the “Raise Hand” tool located in the Zoom meeting application to identify yourself in order to speak, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

- Members of the Public may test their connection to Zoom Meetings at: <https://zoom.us/test>
- Members of the Public are encouraged to review our overview on joining Valley Water Board Meetings at: <https://www.youtube.com/watch?v=TojJpYCxXm0>

Valley Water, in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Board of Directors/Board Committee meetings to please contact the Clerk of the Board’s office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water's bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water's bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emmas.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

Under the Brown Act, members of the public are not required to provide identifying information in order to attend public meetings. Through the link below, the Zoom webinar program requests entry of a name and email address, and Valley Water is unable to modify this requirement. Members of the public not wishing to provide such identifying information are encouraged to enter "Anonymous" or some other reference under name and to enter a fictional email address (e.g., attendee@valleywater.org) in lieu of their actual address. Inputting such values will not impact your ability to access the meeting through Zoom.

Join Zoom Meeting:

<https://valleywater.zoom.us/j/94158013374>

Meeting ID: 941 5801 3374

Join by Phone:

1 (669) 900-9128, 94158013374#

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.

Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda may do so by filling out a Speaker Card and submitting it to the Clerk or using the "Raise Hand" tool located in the Zoom meeting application to identify yourself to speak. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:

- 3.1. Approval of Amended May 15, 2023 and June 30, 2023 Capital Improvement Program Committee Minutes. [23-0482](#)
- Recommendation: Approve the minutes.
- Manager: Candice Kwok-Smith, 408-630-3193
- Attachments: [Attachment 1: 051523 CIP Amended Meeting Minutes](#)
[Attachment 2: 063023 CIP Committee Meeting Minutes](#)
- Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Receive and Discuss Information Regarding the Status of Capital Projects in the Feasibility and Planning Phase. [23-0736](#)
- Recommendation: Receive and discuss information regarding the status of capital projects in the feasibility and planning phase.
- Manager: Emmanuel Aryee, 408-630-3074
Karl Neuman, 408-630-3059
Lisa Bankosh, 408-630-2618
Ryan McCarter, 408-630-2983
Vincent Gin, 408-630-2633
Tony Ndah, 408-630-0254
- Attachments: [Attachment 1: Feasibility and Planning Report](#)
- Est. Staff Time: 15 Minutes
- 4.2. Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase. [23-0737](#)
- Recommendation: Receive and discuss information regarding the status of capital projects in the design and permitting phase.
- Manager: Karl Neuman, 408-630-3059
Emmanuel Aryee, 408-630-3074
Ryan McCarter, 408-630-2983
- Attachments: [Attachment 1: Design and Permitting Report](#)
- Est. Staff Time: 15 Minutes

- 4.3. Receive Update on Staff Recommended Alternative for Project No. 30154019, Guadalupe River - Tasman Drive to Interstate 880. [23-0761](#)
Recommendation: Receive update on staff recommended alternative for Project No. 30154019, Guadalupe River - Tasman Drive to Interstate 880.
Manager: Karl Neuman, 408-630-3059
Attachments: [Attachment 1: PowerPoint](#)
Est. Staff Time: 15 Minutes
- 4.4. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. [23-0738](#)
Recommendation: Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.
Manager: Ryan McCarter, 408-630-2983
Attachments: [Attachment A: Government Code § 84308](#)
[Attachment 1: Construction Contract Change Orders Status](#)
[Attachment 2: Construction Contract Financial Status](#)
Est. Staff Time: 10 Minutes
- 4.5. Review 2023 Capital Improvement Program Committee Work Plan. [23-0848](#)
Recommendation: Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 2023 CIP Committee Work Plan](#)
Est. Staff Time: 5 Minutes
5. **CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**
This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.
6. **ADJOURN:**
- 6.1. Adjourn to Regular Meeting at 11:00 a.m. on September 18, 2023.



Santa Clara Valley Water District

File No.: 23-0482

Agenda Date: 8/21/2023
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Approval of Amended May 15, 2023 and June 30, 2023 Capital Improvement Program Committee Minutes.

RECOMMENDATION:

Approve the minutes.

SUMMARY:

In accordance with the Ralph M. Brown Act, a summary of Committee discussions, and details of all actions taken by the Capital Improvement Program Committee, during all open and public Committee meetings, is transcribed and submitted to the Committee for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the Committee's historical record archives and serve as the official historical record of the Committee's meeting.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: 051523 CIP Amended Committee Meeting Minutes
Attachment 2: 063023 CIP Committee Meeting Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT COMMITTEE MEETING

AMENDED MINUTES

**REGULAR MEETING
MONDAY, MAY 15, 2023
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A regular meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Committee (Committee) was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, and by Zoom teleconference, at 11:00 a.m.

1.1 Roll Call.

Committee members in attendance were District 4 Director Jim Beall, and District 5 Director Nai Hsueh, Chairperson presiding, constituting a quorum of the Committee.

Vice Chairperson Tony Estremera was excused from attending.

Staff members in attendance were: Gina Adriano, Cameron Arnett, Aaron Baker, Audrey Beaman, Sarah Berning, Wade Blackard, Sam Bogale, John Bourgeois, Todd Bridgen, Rolando Bueno, Jennifer Codianne, Jessica Collins, Enrique De Anda, Meenakshi Ganjoo, Concepcion Gayotin, Walter Gonzalez, Alexander Gordon, Chris Hakes, Katrina Holden, Candice Kwok-Smith, Emelia Lamas, Jennifer Martin, Ryan McCarter, Patrice McElroy, Nicole Merritt, Karl Neuman, Tony Ndah, Kathy Nguyen, My Nguyen, Julianne O'Brien, Carlos Orellana, Leslie Orta, Sophie Padilla, Alison Phagan, Brandon Ponce, Mike Potter, Kristie Resendez, Melanie Richardson, Kirsten Struve, Darin Taylor, Odilia Teixeira, Gregory Williams, and Tina Yoke.

Guests in attendance were: Director Rebecca Eisenberg (District 7), and Katja Irvin (Sierra Club-Loma Prieta Chapter).

Public in attendance was: Sandy, undisclosed last name.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA:

Chairperson Hsueh declared time open for public comment on any item not on the agenda. There was no one who wished to speak.

3. APPROVAL OF MINUTES:

3.1. Approval of April 10, 2023 Board Audit Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the April 10, 2023 Committee meeting.

Public Comments:
None.

It was moved by Director Beall and seconded by Chairperson Hsueh, and unanimously carried that the minutes be approved.

4. REGULAR AGENDA:

4.1. Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase.

Recommendation: Receive and discuss information regarding the status of capital projects in the design and permitting phase.

Rolando Bueno, Ryan McCarter and Karl Neuman reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1 were reviewed by staff as follows: Rolando Bueno, reviewed Slide 1, Ryan McCarter reviewed Slides 1 through 2, and Karl Neuman reviewed Slides 2 through 4.

Rolando Bueno, Ryan McCarter, Karl Neuman, John Bourgeois, Aaron Baker, Chris Hakes, and Melanie Richardson were available to answer questions.

Public Comments:
None.

The Committee received the information, took no formal action, and noted the following:

- **Anderson Dam Project:** The Committee noted the draft Environmental Impact Report is to be expected out in late June or July 2023 leading to the Federal Energy Regulatory Commission

applications in December 2023, and all permit applications are expected to be submitted by the spring of 2024.

- **Almaden-Calero Canal Project:** The Committee requested staff to follow up on alternative Native American names and options for groundwater recharging.
- **Coyote Creek Flood Management Project:** The Committee requested staff to follow up on any schedule delay caused by the relocation of the unhoused; if yes, compare the current schedule with original schedule and inform the Committee.
- **San Francisquito Creek Project:** The Committee requested staff to follow up on the status of the Caltrans Highway Bridge Program (HBP) Grant for the Newell Road Bridge.
- **San Francisco Bay Shoreline Project:** The Committee requested staff to follow up on possible federal railroad funding from the Federal Railroad Administration.
- **Almaden Lake Project:** The Committee requested staff to schedule a briefing on the Almaden Lake Improvements project for Director Beall.

4.2. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Recommendation: Receive information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 2.

Ryan McCarter was available to answer questions.

Public Comments:
None.

The Committee received the information, took no formal action, and noted the following:

- The Committee noted the change orders already approved and under negotiations are primarily caused by unforeseen site conditions and regulatory permits conditions, which was the primary reason for the high contingency percentage.

4.3. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo.

Ryan McCarter was available to answer questions.

Public Comments:

None.

The Committee received the information, took no formal action, and noted the following:

- The Committee requested staff to schedule a briefing on the Calero and Guadalupe Dams Seismic Retrofits Project **for Director Beall.**

4.4. Review 2023 Capital Improvement Program Committee Work Plan.

Recommendation: Receive an update on the status of the Permitting Best Practices audit recommendation implementation.

The Committee considered this Item without a staff presentation.

Jessica Collins and Tony Ndah were available to answer questions.

Public Comments:

None.

The Committee received the information, took no formal action, and noted the following:

- The Committee confirmed that contract compliance and pre-qualifications for **contractors** are now considered under the Pre- and Post-Award Contract Administration **items on** the work plan and will be addressed at the CIP August 2023 meeting.
- The Committee requested staff to follow up on **procedures for** early release of **encumbered funds for essentially** completed projects.
- The Committee confirmed Valley Water's Procurement Open House will occur on May 30, 2023 to encourage working relationships with local and small business contractors.
- The Committee noted the CIP Performance Audit Item will be addressed at a future CIP meeting dependent upon the outcome of the BAC's May 2023 meeting's discussion regarding this topic.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS:

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

Nicole Merritt confirmed there were no items for Board Consideration, but identified Committee requests for staff research and follow up for Items 4.1, 4.3, and 4.4.

6. Adjourn:

6.1. Adjourn to Special Meeting at 11:00 a.m. on June 30, 2023.

Chairperson Hsueh adjourned the meeting at 12:16 p.m., to the special meeting at 11:00 a.m. on June 30, 2023.

Nicole Merritt
Assistant Deputy Clerk II

Date Approved:

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CAPITAL IMPROVEMENT COMMITTEE MEETING

DRAFT MINUTES

**SPECIAL MEETING
FRIDAY, JUNE 30, 2023
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A special meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Committee (Committee) was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, and by Zoom teleconference, at 11:00 a.m.

1.1 Roll Call.

Committee members in attendance were District 6 Vice Chairperson Tony Estremera and District 5 Director Nai Hsueh, Chairperson presiding, constituting a quorum of the Committee.

Director Jim Beall (District 4) arrived as noted below.

Staff members in attendance were: Joseph Aranda, Emmanuel Aryee, Lisa Bankosh, Audrey Beaman, Sandra Benavidez, Sarah Berning, John Bourgeois, Todd Bridgen, Theresa Chinte, Enrique De Anda, Concepcion Gayotin, Walter Gonzalez, Alexander Gordon, Chris Hakes, Linh Hoang, Michele King, Ryan McCarter, Patrice McElroy, Nicole Merritt, David Montenegro, Tony Ndah, My Nguyen, Carlos Orellana, Leslie Orta, Sophie Padilla, Luz Penilla, Alison Phagan, Catherine Protiva, Melanie Richardson, Mario Rivas, Kirsten Struve, Darin Taylor, Odilia Teixeira, Madhu Thummaluru, Doug Titus, Bryant Welch, Zuberi White, and Tina Yoke.

Guests in attendance were: Rosalinn Beckensten (ESA Associates), Jan Davel (CDM Smith), Katja Irvin (Sierra Club-Loma Prieta Chapter), and Forest Peterson (Stanford University).

Public in attendance were: Jeffrey Hare, and XXX-XXX-6626.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA:

Chairperson Hsueh declared time open for public comment on any item not on the agenda. There was no one who wished to speak.

Chairperson Hsueh confirmed that Item 3.1, the Approval of the May 15, 2023 CIP Minutes would be considered towards the end of the Agenda after Director Beall's arrival.

Chairperson Hsueh moved the agenda to Item 4.1.

Director Beall arrived.

4. REGULAR AGENDA:

4.1. Review and Discuss the Capital Project Monitoring – Construction Report.

Recommendation: Receive and discuss information regarding the status of capital projects in the construction phase.

Emmanuel Aryee, Ryan McCarter, Madhu Thummaluru, and Alexander Gordon reviewed the information on this item, per the attached Committee Agenda Memo, and the corresponding presentation materials contained in Attachment 1 were reviewed by staff per the row and Deputy's initials as follows: Emmanuel Aryee, reviewed rows marked EA, Ryan McCarter reviewed rows marked RM, Madhu Thummaluru reviewed rows marked EB, and Alexander Gordon reviewed rows marked AG.

Emmanuel Aryee, Ryan McCarter, Madhu Thummaluru, Melanie Richardson, Alexander Gordon, and Tina Yoke were available to answer questions.

Public Comments:

Jeffrey Hare expressed concern regarding the flood wall construction scheduling for Coyote Creek between Santa Clara Street and Williams Street Park.

Madhu Thummaluru confirmed that construction will begin in this area any time after October 2023.

The Committee received the information, took no formal action, and noted the following:

- **Coyote Creek Flood Management Project:** The Committee requested staff to schedule a briefing for Director Beall.

Chairperson Hsueh moved the agenda to Item 4.3.

- 4.3. Receive Information on Design-Build Pilot Projects – Coyote Pumping Plant Adjustable Speed Drives Replacement Project No. 91234002 and Vasona Pumping Plant Upgrade Project No. 92264002; and Consider Staff's Recommendation to Implement the Design-Bid-Build Project Delivery Method for the Vasona Pump Station Upgrade Project.

Recommendation: Receive an update and provide feedback on the following topics:

- A. Receive information on design-build pilot projects – Coyote Pumping Plant Adjustable Speed Drives Replacement Project No. 91234002 and Vasona Pumping Plant Upgrade Project No. 92264001.
- B. That the Committee recommend to the Board that the Vasona Pump Station Upgrade Project be implemented using the design-bid-build project delivery method.

Emmanuel Aryee reviewed the information on this item, per the attached Committee Agenda Memo.

Emmanuel Aryee was available to answer questions.

Public Comments:
None.

The Committee received the information, and noted the following:

- The Committee requested staff to follow up on exploring potential project delays and any increased costs associated with the Design-Bid-Build Delivery method and encouraged utilizing future projects on a smaller scale.

It was moved by Vice Chairperson Estremera and seconded by Director Beall, and unanimously approved that staff's recommendation to implement the Design-Bid-Build Project Delivery method for the Vasona Pump Station Upgrade Project be shared with the Board.

- 4.4. Receive Information Regarding Valley Water's Construction Contract Contingency and Change Order Management Processes.

Recommendation: Receive information regarding Valley Water's Construction Contract Contingency and Change Order Management Processes.

Luz Penilla reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

Luz Penilla and Chris Hakes were available to answer questions.

Public Comments:
None.

The Committee received the information, took no formal action, and noted the following:

- The Committee requested staff to revise the Construction Contract Contingency Data table on Attachment 1, Page 8 by separating out the larger projects over \$100 million like the Anderson Dam Tunnel Project to provide a clearer average percentage of the current contingency amount.

Chairperson Hsueh returned the agenda to Item 4.2.

4.2. Review Capital Projects Not Listed in the Capital Project Monitoring Phase Reports.

Recommendation: Review status of capital projects not listed in the Capital Project Monitoring Phase reports.

Doug Titus reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

Doug Titus, John Bourgeois, and Ryan McCarter were available to answer questions.

Public Comments:
None.

The Committee received and noted the information without formal action.

Chairperson Hsueh moved the agenda to Item 4.5.

4.5. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Recommendation: Receive information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Ryan McCarter reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachments 1 - 3.

Ryan McCarter, Melanie Richardson, and Chris Hakes were available to answer questions.

Public Comments:
None.

The Committee received and noted the information without formal action.

4.6. Review 2023 Capital Improvement Program Committee Work Plan.

Recommendation: Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary.

The Committee considered this Item without a staff presentation.

Public Comments:
None.

The Committee received and noted the information without formal action.

Chairperson Hsueh returned the agenda to Item 3.1.

3. APPROVAL OF MINUTES:

3.1. Approval of May 15, 2023 Board Audit Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the May 15, 2023 Committee meeting.

Public Comments:
None.

It was moved by Director Beall and seconded by Chairperson Hsueh, and unanimously carried that the minutes be approved.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS:

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

None.

6. Adjourn:

6.1. Adjourn to Regular Meeting at 11:00 a.m. on August 21, 2023.

Chairperson Hsueh adjourned the meeting at 1:07 p.m., to the regular meeting at 11:00 a.m. on August 21, 2023.

Nicole Merritt
Assistant Deputy Clerk II

Date Approved:



Santa Clara Valley Water District

File No.: 23-0736

Agenda Date: 8/21/2023

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Receive and Discuss Information Regarding the Status of Capital Projects in the Feasibility and Planning Phase.

RECOMMENDATION:

Receive and discuss information regarding the status of capital projects in the feasibility and planning phase.

SUMMARY:

The CIP Committee's 2023 Workplan includes monitoring of capital projects during all phases of delivery. Staff will prepare a list of active projects to submit to the Committee each month and will provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: feasibility/planning; design/permitting; and construction. Staff will present projects to the CIP Committee for review one phase at a time. Projects currently in the feasibility/planning phase are being presented this month.

Attachment 1 is a list of projects in the feasibility/planning phase. A verbal report will be provided at the meeting with more detailed information about recent developments as requested by the Committee.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: Feasibility and Planning Report

UNCLASSIFIED MANAGER:

Emmanuel Aryee, 408-630-3074

Karl Neuman, 408-630-3059

Lisa Bankosh, 408-630-2618

Ryan McCarter, 408-630-2983

Vincent Gin, 408-630-2633

Tony Ndah, 408-630-0254

Capital Project Monitoring - August 2023

Feasibility and Planning Phase			
Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
Water Supply			
1	91084019	Dam Seismic Stability Evaluation	Seismic stability evaluations for Coyote, Chesbro and Uvas Dams are on track for completion in December 2023. Spillway evaluations for Lenihan and Stevens Creek Dams are on track, and have been submitted for Division of Safety of Dams (DSOD) review.
2	92C40357	FAHCE Implementation	Fish and Aquatic Habitat Collaborative Effort (FAHCE) Phase 1 measures for Coyote Creek are being incorporated into the Anderson Dam Seismic Retrofit Project Environmental Impact Report (EIR), and its associated permitting package, as conservation measures for the larger project. Valley Water Board of Directors held a workshop on FAHCE at its June 27, 2023 meeting. The FAHCE Final Program EIR for Stevens Creek and Guadalupe Watershed was completed on June 30, 2023, and Board certification of the Final Program EIR took place on August 8, 2023. Future progress will be reported to the Stewardship Planning and Operations Committee when it reconvenes, including updates on the EIRs, pilot flow implementation in Guadalupe Creek and Stevens Creek, initialing parties and adaptive management meetings, and progress in fish restoration in the Coyote Creek, Guadalupe River, and Stevens Creek watersheds.
3	91304001	Purified Water Project - P3	Staff is continuing to make progress on the development of the Request for Proposal and Draft EIR and provide updates to the four shortlisted firms. Staff is continuing to collaborate with the City of Palo Alto staff on the agreements needed to implement the project. Staff is performing outreach to agencies, cities and landowners along the proposed pipeline route, as well as ensuring public acceptance of the project. Staff submitted prescreening application to City of Palo Alto Planning Department and installed Project board sign at the Advanced Water Purification Facility site. In June, Valley Water presented on the project at a study session for the Palo Alto City Council as part of Palo Alto’s development review process. Staff is continuing to coordinate with the City of Palo Alto Planning Department and other City Departments on preliminary utility and site designs.
4	93044001	Water Treatment Plant (WTP) Master Plan Implementation Project	Staff is finalizing the Conceptual Alternatives Report. Conceptual project alternatives have been screened for feasibility with input from stakeholders. Next, staff will be developing the remaining feasible project alternatives into viable project alternatives.
5	95044002	SCADA Master Plan Implementation Project	The Project Goals Memo and Failure Modes, Effects, and Criticality Analysis (FMECA) deliverables have been completed. Industry Standards and Benchmarking activities and the Needs Assessment and Gap Analysis Report deliverable are in progress.
6	95044001	Distribution System Master Plan Implementation Project	Staff is finalizing the Goals and Objectives Technical Memo and has completed the treated water and groundwater demand studies. All treated water and groundwater retailers have been engaged 1:1 with demand assumptions validated. Next, staff will be developing a desktop pipeline assessment methodology.
7	95084002	10-Year Pipeline Inspection and Rehabilitation Project	Staff is continuing coordination with internal stakeholders to update the current program. The environmental consultant is currently collecting and evaluating environmental information for the Program EIR preparation.
Flood Protection			
8	30154019	Guadalupe River - Tasman to Hwy 880	The Problem Definition Report was completed in July 2019. Feasible alternatives analysis is currently underway and a public meeting was held October 1, 2020. The PSR has been delayed due to extensive list of alternatives and the work required to analyze the alternatives. The Feasible Alternatives and Staff Recommended Alternatives Report is under development and is being reviewed by the Chiefs for input on selection. The Project will move into the design phase in fall 2023, pending Chief and Board of Directors input.

Capital Project Monitoring - August 2023

Feasibility and Planning Phase			
Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
9	00044026s	San Francisco Bay Shoreline - Phase II and Phase III	The US Army Corps of Engineers (USACE) Phase II Feasibility Study began September 26, 2019. The USACE approved a cost increase and schedule extension in 2021. The revised study cost is now \$5.6M with a study completion date of April 2025. Valley Water is responsible for 50% of the study cost. The Phase II study includes Economic Impact Areas (EIAs) 1-4 (from San Francisquito Creek in Palo Alto to Permanente Creek in Mountain View). The USACE has completed an Economic Feasibility Analysis that determined that the future economic damage from coastal flooding is not great enough to justify investing federal dollars in a project until 2060. USACE analysis assumed that Valley Water will replace the Palo Alto flood basin tide gate structure; however, the replacement has been postponed in Valley Water's Capital Improvement Program. Therefore USACE conducted hydraulic modeling to determine if a failed tide gate would change the analysis and found that the analysis does not change the study outcome. USACE is finalizing study documentation, which will include information on when the study should be resumed in the future based on increasing sea level rise levels. In addition, Valley Water is considering alternate means of working with USACE on smaller projects in the study area, such as through the USACE Continuing Authorities Program (CAP) 205 process or a General Reevaluation Study. USACE has received \$1.5M to begin a Phase III Feasibility Study for EIAs 5-10 (from Permanente Creek in Mountain View to Guadalupe River in San Jose). Valley Water intends to sign the Feasibility Cost Share Agreement and kick off the study in August 2023. The State Coastal Conservancy will also be a local partner on the project.
10	50284010	Llagas Creek–Lower, Capacity Restoration, Buena Vista Road to Pajaro River	The Project was on hold due to staffing resources that were required for the Upper Llagas' Project's accelerated schedule. Staff has resumed work on revising and updating the Draft Planning Study Report (from March 2013) to include updated site conditions and resulting hydraulic model updates, including evaluating high water marks from recent storm events, and to re-evaluate alternatives based on updated existing conditions.
Water Resources Stewardship			
11	62044001	Metcalf Pond Feasibility Study	Planning team engaged Steering Committee members with Planning Charettes (problem definition and conceptual alternatives) in 2020. Draft feasibility report is currently being updated to include hydraulic analysis of the existing fishway and to be consistent with Phase 1 and 2 work under the Anderson Dam Federal Energy Regulatory Commission-ordered Compliance Project (FOCP). Phase 1 is under construction, including replacement of the flashboard dam with a bladder dam and improving fish passage at the existing fish ladder and downstream dam section.
12	20444001	Calabazas/San Tomas Aquino Creek-Marsh Connection Project	Staff completed the project's Problem Definition Report and alternatives development and analysis is well underway. A public meeting was held in Alviso in May to solicit feedback on conceptual alternatives. Another meeting is planned for late fall to receive feedback on public access and trail improvements that will be constructed as part of the Project. The U.S. Environmental Protection Agency San Francisco Bay Water Quality Improvement Fund awarded a \$3.8 million grant to Valley Water to fund CEQA/NEPA and design work aimed at restoring tidal marsh within Pond A4 as part of the Project.
13	20444002	Pond A4 Resilient Habitat Restoration Project	Construction access, staging, and delivery of Stream Maintenance Program sediment to Pond A4 was separated from the Calabazas/San Tomas Aquino Creek-Marsh Connection Project and approved as a distinct project in the Final FY 2024-28 Five-Year CIP in April 2023. Necessary documentation for statutory CEQA exemption is being prepared with assistance from consultant HT Harvey. In addition, geotechnical and design engineering services are being acquired from Haley & Aldrich (formerly California Engineering and Geology) using an on-call services contract to complete 60% project design before the end of the year.

Capital Project Monitoring - August 2023

Feasibility and Planning Phase			
Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues
14	26044003	SCW D4.2 - Ogier Ponds	Staff is currently developing alternatives as part of the project's Planning Study Report. Negotiations with the primary landowner (Santa Clara County Parks) on a property use agreement (Master License Agreement) are underway. The planning study team is closely coordinating with the Anderson Dam Seismic Retrofit Project team to prepare environmental compliance documents for permitting. Initial conceptual alternatives were developed with Santa Clara County Parks and presented to members of the public and other environmental stakeholders on May 31, 2023.
<u>Buildings & IT</u>			

15	60204032	Headquarters Operations Building	Project team is working with a consultant on a report that analyzes strategies for the Maintenance Building. Each strategy details optional methods for the renovation of the building to meet the current needs for space and other operational functions. Included in this report are schedule impacts and a rough order of magnitude cost analysis for each strategy. There is \$2M budgeted in the project to cover the consultant fees and any additional design fees for the report. A preliminary version of the report was received by staff in May 2023, and staff is currently collaborating with management to evaluate the strategies presented in the report for maximum overall benefit to Valley Water.
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Santa Clara Valley Water District

File No.: 23-0737

Agenda Date: 8/21/2023

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase.

RECOMMENDATION:

Receive and discuss information regarding the status of capital projects in the design and permitting phase.

SUMMARY:

The 2023 Work Plan for the Board Capital Improvement Program Committee (Committee) includes monitoring of capital projects during all phases of development. Staff will present a list of active projects at each Committee meeting and provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: planning/feasibility; design/permitting; and construction. Staff will present projects to the Committee for review one phase at a time. Projects currently in the design/permitting phase are being presented at this Committee meeting. Other attachments may be included to provide more detail on other items associated with these projects.

Attachment 1 is a list of projects in the design and permitting phase. A verbal report will be provided at the meeting with more detailed information about recent developments on the projects listed in Attachment 1.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: Design and Permitting Report

UNCLASSIFIED MANAGER:

Karl Neuman, 408-630-3059

Emmanuel Aryee, 408-630-3074

Ryan McCarter, 408-630-2983

Capital Project Monitoring Report - August 2023

Design and Permitting Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Deputy's Initials	Internal	External	Combination
Water Supply							
1	91234002	Coyote Pumping Plant ASD Replacement	The 30% design validation was completed in July 2023. 60% design is scheduled to be complete in November 2023.	EA			X
2	95084002	10-Yr Pipeline Inspection & Rehabilitation Project (Santa Clara Conduit Inspection and Rehabilitation Project - Phase 2)	The Board of Directors approved the Advertisement for Bids on April 11, 2023. Construction contract award is scheduled for August 2023.	EA	X		
3	95084002	10-Yr Pipeline Inspection & Rehabilitation Project (Snell Pipeline)	The Board of Directors approved the Advertisement for Bids on April 11, 2023. Construction contract award is scheduled for August 2023.	EA	X		
4	95084002	10-Yr Pipeline Inspection & Rehabilitation Project (West Pipeline)	Staff is working to complete 90% design by July 2023. Final design for Phase 1 is scheduled to be complete in November 2023.	EA	X		
5	92304001	Almaden Valley Pipeline Replacement Project	The 10% Design for Unit 2 Phase 2 segment, which includes design technical memo, basis of design report, and location maps, was completed in April 2023 and 30% design is scheduled for August 2023.	EA	X		
6	26764001	A3: IRP2 Additional Line Valves	Design for all four valves has been completed. Construction on the first line valve on the Snell Pipeline will proceed concurrent with the Snell Pipeline Inspection and Rehabilitation construction project scheduled for summer 2023.	EA	X		
7	92144001	Pacheco/Santa Clara Conduit Right-of-Way Acquisition Project	Permits to construct driveways, gravel and gates are expected to be secured by fall 2023. Appraisals for property acquisitions were received in May 2023.	EA	X		
8	94084007	Treated Water Isolation Valves Project	60% design is scheduled to be completed by July 2023.	EA	X		
9	92264001	Vasona Pump Station Upgrade Project	Project update was provided to CIP Committee in June 2023. A staff recommendation to change the project's delivery method to the Design-Bid-Build approach will be presented to the Board of Directors in September 2023.	EA			X
10	93234044	Penitencia WTP Residuals Management Project	The Alternatives Development Report and Preliminary Design Report was completed in August 2023. The project is transitioning into the 30% design phase.	EA	X		
11	93294057	Rinconada WTP Reliability Improvement Project (Phases 3-6)	The Board of Directors approved the Advertisement for Bids on March 28, 2023. Construction contract award is scheduled for August 2023.	EA			X
12	93084004	WTP Electrical Improvement Project	The Request for Proposal (RFP) for design consultant services was published in May 2023. Valley Water received four proposals. The award for design services is planned for January 2024.	EA	X		
13	91094001	Land Rights - South County Recycled Water Pipeline	CADD documentation of the entire pipeline location is expected in October 2023.	EA	N/A		
14	91894002	Guadalupe Dam Seismic Retrofit - Design & Construct	Preliminary 90% design documentation was submitted by the consultant in December 2020 and is under review. Work is also underway conducting environmental studies and preparing environmental documentation and planning for outreach to regulatory agencies for permitting.	RM			X
15	91954002	Pacheco Reservoir Expansion Project	Staff and the consultant team are continuing to work on addressing the Draft Environmental Impact Report (EIR) comments and developing the Final EIR/Environmental Impact Statement (EIS) document. Staff and the consultant team are continuing to progress the 60% design. Additional environmental field investigations have started and will continue into late 2023. The geotechnical field investigations were paused in May 2023 in response to a court order. The team is working on additional CEQA documentation and will resume the geotechnical field investigations once the CEQA document is finalized, slated for early to mid-2024	RM			X
16	91854001	Almaden Dam Improvement Project	Due to the deteriorating condition of the 5-mile-long Almaden-Calero Canal (Canal), improvements to the Canal are being undertaken ahead of the elements of work at the Almaden Dam (elements of work related to the dam include new outlet works and a new spillway). Staff has commenced the design activities related to the rehabilitation of the Canal only. 50% design documentation is expected to be completed in 2024.	RM			X

Capital Project Monitoring Report - August 2023

Design and Permitting Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Deputy's	Planned CM Services		
				Initials	Internal	External	Combination
17	91864005	Anderson Dam Seismic Retrofit (C1: Fund Transfer KPI)	Design of Anderson Dam Seismic Retrofit Project (ADSRP) remains ongoing. The 90% design documents are under review by Federal Energy Regulatory Commission (FERC), California Department of Water Resources, Division of Dams (DSOD), and the Board of Consultants (BOC) for ADSRP. BOC Meeting No. 16 was held the week of May 8, 2023, to present the 90% design documents and further discuss stochastic hydrology. Final reports on stochastic hydrology are scheduled to be transmitted in August 2023. A Pre-Construction Potential Failure Mode Analysis (PFMA) Guided Workshop was held the week of June 5, 2023, which focused on potential failure modes that can result from modifications to the existing dam and appurtenant facilities, with emphasis on the construction phase of ADSRP. A Risk Workshop was held the week of July 31, 2023, to discuss risk management measures during construction. BOC Meeting No. 17 will be held before the end of calendar year 2023 where the 90% design for the spillway and draft emergency action plans will be presented, which will complete the 90% design documents. The Draft EIR is scheduled to be released for public review in summer 2023, and the final EIR is anticipated in late spring 2024. Valley Water plans to submit permit applications in spring 2024, with the goal of having all permits obtained by July 2025.	RM			X
Flood Protection							
18	10394001	Palo Alto Flood Basin Tide Gate Structure Replacement	Phase 1: Staff is evaluating the seismic vulnerability of the structure as well as the feasibility of a smaller retrofit project to strengthen the structure and extend its life until a longer term project can be implemented. Staff is currently working on the 60% design and will also conduct an underwater condition assessment of the tide gate structure in September 2023. Phase 2: Staff is working with the U.S. Army Corps of Engineers (USACE) to document the role of the tide gates for shoreline protection as part of the South San Francisco Bay Shoreline Phase II Project.	KN		X	
19	26154003	E8: Upper Guadalupe River - SPRR to Blossom Hill Road (Reaches 7-12)	In January 2021, the USACE began re-evaluating the entire project, including re-evaluating the project's alternatives and benefit-cost-ratio, with the goal of making the project more competitive for federal funding. The study will take three years and is estimated to be completed by January 2024. On September 9, 2022 USACE presented the "Tentatively Selected Plan" and staff reviewed and supported the plan. USACE provided a draft Environmental Assessment (EA)/Feasibility Report for Valley Water review on October 3, 2022. Valley Water staff completed review and provided comments to the USACE on October 17, 2022. The draft EA/Feasibility Report went through a public scoping period from November 7 - December 16, 2022. Valley Water and USACE also conducted a public meeting in San Jose on December 8, 2022 to provide an update to the general re-evaluation study progress. On March 9, 2023, the USACE held their Agency Decision Milestone meeting where Valley Water further supported the Combination Plan to be the selected plan for the General Re-evaluation Report. The next steps in the study is for USACE to perform optimization and refinement of the Combination Plan and further evaluate the Lower Scope Plan before the report is moved forward towards completion by August 2024. In May and June, Valley Water conducted topographic surveys to support the optimization work to be performed by USACE late summer 2023.	KN	N/A	USACE construction	
20	62084001	Watershed Asset Rehabilitation Program (WARP)	For summer 2024, three projects are in various stages of design: U-Frame Replacements on Permanente Creek and Hale Creek and Erosion Repair on Coyote Creek at Julian adjacent to San Jose High School.	KN	X		

Capital Project Monitoring Report - August 2023

Design and Permitting Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Deputy's	Planned CM Services		
				Initials	Internal	External	Combination
			The project consists of four distinct but interrelated subprojects in various stages of design. Final EIR for the project was certified in September 2019 and San Francisquito Creek Joint Powers Authority (SFCJPA) submitted draft permit applications in July 2022. Valley Water and JPA completed a review of the current hydraulic model to identify any changes needed as the bank overtopping locations during the 2022 New Year's Eve flood were different than predicted by the model. Valley Water and JPA presented the initial findings to the JPA Board in June and are currently in the process of validating the tech memo by a third party consultant. 1) Newell Road Bridge Design and construction for this project are led by the City of Palo Alto. Valley Water's role as a member agency of SFCJPA is to provide technical review and funding for the project. The City of Palo Alto secured Caltrans Highway Bridge Program funding for design and right-of-way acquisitions and is seeking to secure the funds for construction. Currently, this project is anticipated to start construction in summer 2024. 2) Channel Widening Design Design for this subproject is at 90%. SFCJPA is looking to have this project funded through the USACE Continuing Authorities Program (CAP) 205 Process. A Tentatively Selected Plan (TSP) was approved by the USACE and the feasibility study report was completed in July 2022 and final study report is currently on hold until the hydraulic model review being performed in response to New Year's Eve flooding is completed. USACE and SFCJPA completed the National Environmental Policy Act (NEPA) scoping workshop in October 2021. Construction for this project is tentatively scheduled to start in summer 2025, pending Continuing Authorities Program (CAP) 205 funding and results of hydraulic model review. 3) Top-of-Bank Improvements Design for top-of-bank improvements is at 60% and currently on hold due to the hydraulic model review being performed in response to New Year's Eve flooding. SFCJPA procured a consultant to complete a supplemental EIR for this scope of work as the extents of improvement go beyond the scope of Final EIR. Construction for this subproject is anticipated in summer of 2024 to coincide with channel widening construction, pending results of the hydraulic model review. 4) Pope-Chaucer Bridge Design for this subproject is at 85%. Construction is anticipated to start in summer of 2026 following the completion of the Channel Widening, Top-of-Bank Improvements, and Newell Road Bridge construction. SFCJPA is looking into possible increase in flooding risk to the downstream communities that occur if Pope Chaucer is replaced as currently designed.				
21	26284002	E5: San Francisquito Creek - Upstream of HWY 101	Project design is 99% complete. Google has received the regulatory permits for their new campus development. Valley Water is working to resubmit the Sunnyvale East and West Channels project permits since the Regional Water Quality Control Board (RWQCB) deemed Valley Water's 2017 San Francisco Bay Area Joint Aquatic Resources Permit Application (JARPA) expired/outdated. Valley Water's Board of Directors approved the CEQA addendum and the agreement with Google at their February 22, 2022 meeting. Valley Water anticipates resubmitting the permit applications to various Resource Agencies (USACE, RWQCB, California Department of Fish and Wildlife, Bay Conservation Development Commission) in July 2023. The project is included as part of the Water Infrastructure Finance and Innovation Act (WIFIA) funding package which requires an Environmental Protection Agency (EPA) Section 7 consultation. Staff received initial comments and is reviewing those comments to respond as quickly as possible. Valley Water's Board of Directors in January 2023 decided to construct the Sunnyvale West Channel as Phase 1 and the Sunnyvale East Channel as Phase 2 based on funding. Valley Water's Board of Directors will revisit this decision in January 2024.	KN		X	
22	26074002	E2: Sunnyvale East and West Channels		KN	X		
23	26174043	E1: Coyote Creek - Montague Expressway to Tully Road (for 2017 flood event criteria)	Due to the ADSRP FERC Order, this project was split into two projects: Coyote Creek Flood Management Measures Project (CCFMMP) and Coyote Creek Flood Protection Project (CCFPP). Final draft Planning Study Report for the CCFPP and CCFMMP to protect from a 2017 equivalent flood event was completed in March 2022. The design consultant completed the 60% design for CCFPP in April 2023. Staff is currently working on CEQA-related documentation for the CCFPP.	KN		X	
24	26174051 26174052 26174054 26174055	E6: Upper Llagas Creek, Phase 2B (Portion of Reach 8, and Reaches 6, 7B, and 14)	Project is fully permitted, with Phase 1 completed, and Phase 2A in construction. Staff is seeking funding options for the project's last phase, Phase 2B. On August 17, 2021, the National Resource Conservation Service (NRCS) notified Valley Water of committed funding to construct Phase 2B. The funding amount available is over \$80M. The Phase 2B design is 99% complete and the Project team is currently responding to NRCS's second round of comments. NRCS staff and the Valley Water Project team are concurrently working on the funding agreement with the intent to execute it by the fall 2023.	KN			X (2B-TBD)

Capital Project Monitoring Report - August 2023

Design and Permitting Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	Deputy's	Planned CM Services		
				Initials	Internal	External	Combination
25	00044026	San Francisco Bay Shoreline, EIA 11 - Alviso Slough to Coyote Creek	Design of Union Pacific Railroad closure and pedestrian bridge structures on hold pending path forward on impact to railroad operation, bridge height, and resolution on resource agency comments. USACE is initiating a Value Engineering study of Reaches 4-5 to determine if there are ways to reduce costs. Design on those reaches is on hold pending the outcome of the study. As part of this effort, Valley Water is also working closely with the City of San Jose to identify proposals for cost savings.	KN	N/A	USACE construction	
26	26324001	SCW E4: Upper Penitencia Ck, Coyote Ck-Dorel Drive	There has been no federal funding from the U.S. Army Corps of Engineers for this project under the Safe, Clean Water and Natural Flood Protection Program (SCW Program). As a result, Valley Water has focused on progressing the project's key performance indicator (KPI) #2 to construct a 1% flood protection project from Coyote Creek confluence to Capitol Avenue. The Planning Study Report (PSR) was finalized in May 2022. A transition meeting from planning to design was conducted in November 2022. During the SCW Program public hearing held on January 24, 2023, the Board of Directors approved a funding modification to reallocate construction-related funding for the Upper Penitencia Creek project to the Fund 26 Operating and Capital Reserves to address the impact of significant capital construction cost increases. The funding reallocation included budget for the design of Reaches 1 and 2. Staff recently received direction to focus on the design of Reach 1 and pursue rights of way needed for the project. Staff plans to begin design by further evaluating the hydraulics design of Reach 1 for the flows after the Anderson Dam Tunnel Project is completed at the end of 2024.	KN			
Water Resources Stewardship							
27	26044001	D4: Almaden Lake Improvements	Final EIR was certified by the Board of Directors on May 11, 2021. At the May 11 meeting, the Board of Directors selected the project to be constructed under Key Performance Indicator (KPI) #2 of Safe Clean Water (SCW) D4. The 60% cost estimate is significantly higher than budgeted and staff evaluated the feasibility of implementing cost-saving measures. As a result, staff determined that it is not feasible to reduce the project costs without impacting the project's core objectives. A public hearing took place on January 24, 2023 for the Board of Directors to select Ogier Ponds Project to be constructed under KPI #2. The design phase is being closed out and the project is on hold until funding becomes available.	KN	X		
Buildings & IT							
No projects to report							



Santa Clara Valley Water District

File No.: 23-0761

Agenda Date: 8/21/2023

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Receive Update on Staff Recommended Alternative for Project No. 30154019, Guadalupe River - Tasman Drive to Interstate 880.

RECOMMENDATION:

Receive update on staff recommended alternative for Project No. 30154019, Guadalupe River - Tasman Drive to Interstate 880.

SUMMARY:

The Feasible Alternatives portion of the Planning Phase for the Guadalupe River - Tasman Drive to Interstate 880 Project No. 30154019 has been completed and a staff-recommended alternative has been selected. This Capital Improvement Program (CIP) Committee update will provide information on the feasible alternatives, and additional technical and policy considerations that contributed to staff's final recommendation.

Background

The Lower Guadalupe River Project (LGRP) was completed in 2004 with the objective to provide one-percent flood flow capacity (17,000 to 18,325 cfs) for all river reaches downstream of Interstate 880. High water marks collected during storms in 2014, 2017, and 2019 indicated that the channel was not carrying the flows as designed and subsequently performed modeling verified that the Lower Guadalupe River was unable to convey the design one-percent flood. The primary cause of this loss of capacity is overgrown vegetation. The design channel geometry and roughness were not maintainable over time through Valley Water's stream maintenance program permits.

The purpose of the Guadalupe River - Tasman to Interstate 880 Project is to restore the design one-percent level of service (LOS) to the Lower Guadalupe River community. Throughout the Planning Phase, the problem has been fully investigated and conceptual and feasible alternatives to restore the flood protection LOS have been developed and evaluated using Valley Water's Natural Flood Protection (NFP) criteria.

There have been two noteworthy changes since the start of the Planning Phase:

1. At the start of the Planning Phase, it seemed unlikely that the Guadalupe River - Upper, Interstate 280 to Blossom Hill Road Project (Upper Guadalupe Project) would be constructed. Since that time, the US Army Corps of Engineers (USACE) began a General Reevaluation Study. Completion of the Upper Guadalupe Project will increase flows coming downstream to the Tasman to Interstate 880 Project. Feasible alternatives had to be updated to account for this flow.
2. A hydrology study was completed for the Guadalupe Watershed which redefined the 1% flow to 14,000 cfs for the Guadalupe River from Tasman to I-880. The previous 1% design flow was approximately 18,000 cfs. This updated hydrology accounts for the Upper Guadalupe Project flows mentioned above.

Alternatives Analysis

Out of the twelve feasible alternatives evaluated, four were potentially considered as staff's recommended alternative. These are discussed further below. Please note all costs are in 2023 dollars and are planning level conceptual estimates.

Alternative C: Raise Levees, Improve Bridges (18,000 cfs)

This alternative restores the channel capacity to the original one-percent design flow of 18,000 cfs by raising levees or constructing floodwalls up to 6 feet high and improving four bridges by adding or raising headwalls up to 10.5 feet high. This is a fully structural alternative with a cost estimate of \$240 Million.

Alternative C: Raise Levees, Improve Bridges (14,000 cfs)

This alternative restores the channel capacity to the updated one-percent design flow of 14,000 cfs through raising levees or constructing floodwalls up to 3 feet high and improving four bridges by adding or raising headwalls up to 7.25 feet high. This is a fully structural alternative with a cost estimate of \$90 Million.

Alternative J: Modify Reservoir Operations at Lexington Reservoir

This alternative relies on using Lexington Reservoir to attenuate downstream flood flows in combination with structural improvements. This alternative is also known as "Forecast Informed Reservoir Operations" or FIRO, in which Valley Water would rely on weather forecasts to lower reservoir levels prior to large storm events in order to provide more storage to attenuate flows. The structural improvements are smaller for this Alternative than both Alternative C options and include raising levees or constructing floodwalls up to three feet high and improving two bridges by adding or raising headwalls up to six feet high.

Additional hydraulic modeling and sensitivity analysis is needed to determine the technical feasibility of this option. Use of Guadalupe Ponds and/or Almaden Reservoir to further attenuate flows needs to be added to this alternative to account for the increased flows from the Upper Guadalupe River Project. This analysis will take another six to twelve months to complete and the outcome is uncertain.

Because Valley Water's reservoirs are used primarily for water supply and only incidentally provide flood protection benefits, there are several policy issues that require further analysis prior to moving this alternative forward, as outlined below.

- Capital, operations and maintenance costs of dams and reservoirs are currently funded by water rates. Because of constitutional and statutory limitations, dams and reservoirs cannot be used for flood protection purposes, unless an equitable portion of these costs are paid for by the Watershed and Stream Stewardship (WSS) Fund. A cost allocation study would help determine the appropriate and equitable amount of funding that should come from the WSS Fund (or other non-rate-based fund).
- While Board Governance Policy changes are not likely required, the change to using reservoirs specifically for flood protection is a significant change that would require Board approval.
- Valley Water typically provides flood protection through construction of structures such as floodwalls and levees. Using reservoirs for flood protection purposes would shift risk associated with structural integrity of flood protection structures, which can be managed through appropriate maintenance practices, to operations-based risk, such as risk of faulty weather forecasts or operational error.
- The Fisheries and Aquatic Habitat Collaborative Effort (FAHCE) draft settlement agreement requires specific reservoir releases to provide aquatic habitat. Further study is needed to determine if FIRO would align with FACHE requirements.
- Valley Water holds water rights for each reservoir. Further study is needed to determine if FIRO would affect current water rights.

In addition, while this alternative has the lowest cost estimate of \$50 Million, it does not currently include costs associated with the reoperation of Almaden Reservoir or Guadalupe Ponds, or long-term dam and reservoir capital, operations and maintenance costs, as these have not yet been determined.

Alternative L: Remove Vegetation

This alternative restores channel capacity through removal of vegetation overgrowth and would require removing approximately 2,000 trees. Due to the high cost of mitigation for removing trees from the channel, as well as the inability to maintain the channel to the design level of vegetation in the future, this alternative is not feasible. Although it is infeasible, discussion of this alternative is included here because during Project outreach meetings, there has been stakeholder interest in why vegetation removal is infeasible.

Staff's recommendation is to proceed with Alternative C: Raise Levees, Improve Bridges, with the updated one-percent design flow of 14,000 cfs. In addition, staff recommends continuing to study FIRO and reservoir reoperations. Designing to the higher original design flow of 18,000 cfs is not financially feasible, nor necessary for providing one-percent flood protection. FIRO may become more feasible in the future as costs, risks, and other policy issues are resolved and can be incorporated into the design at that time; however, waiting to resolve all the issues when the outcome is uncertain is not recommended.

ENVIRONMENTAL JUSTICE IMPACT:

Staff has identified the following potential impacts and benefits of the Guadalupe River - Tasman Drive to Interstate 880 Project to the communities listed below:

- Alviso Community: Project restores one-percent flood flow capacity LOS to the Guadalupe River adjacent to the Alviso Community. Some minor (1-3') levee/floodwall raising is needed immediately downstream of Highway 237 to achieve this LOS restoration.

To ensure meaningful engagement of this community in the decision-making process, staff will complete a targeted public meeting in the Alviso Community before the end of Valley Water's Planning Phase. In the Design Phase, staff will conduct public outreach in accordance with Valley Water's Quality/Environmental Management System procedures for capital projects.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Karl Neuman, 408-630-3059



Valley Water

Clean Water • Healthy Environment • Flood Protection



Report on Alternatives for Project No. 30154019 Guadalupe River – Tasman Dr. to I-880

CIP Committee Presentation – 8/21/23

Presented by: Katie Muller

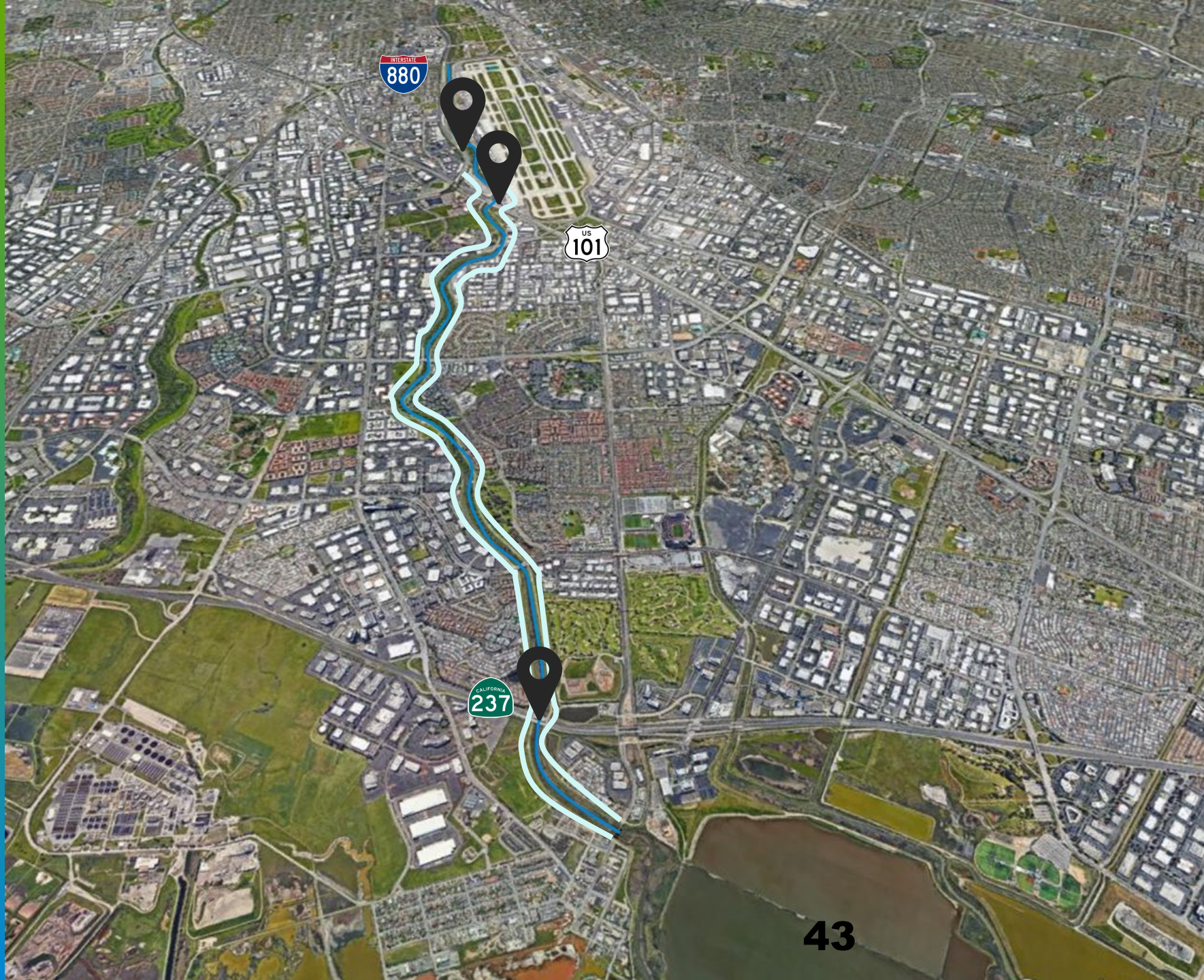
Agenda

Guadalupe River – Tasman Dr. to I-880 Project

- Objective: Provide update on Staff-Recommended Alternative
- Outline
 - Project Background
 - Planning Process
 - Potential Staff Recommended Alternatives
 - Policy & Technical Research
 - Recommended Next Steps
 - Opportunity for feedback



Guadalupe River Background



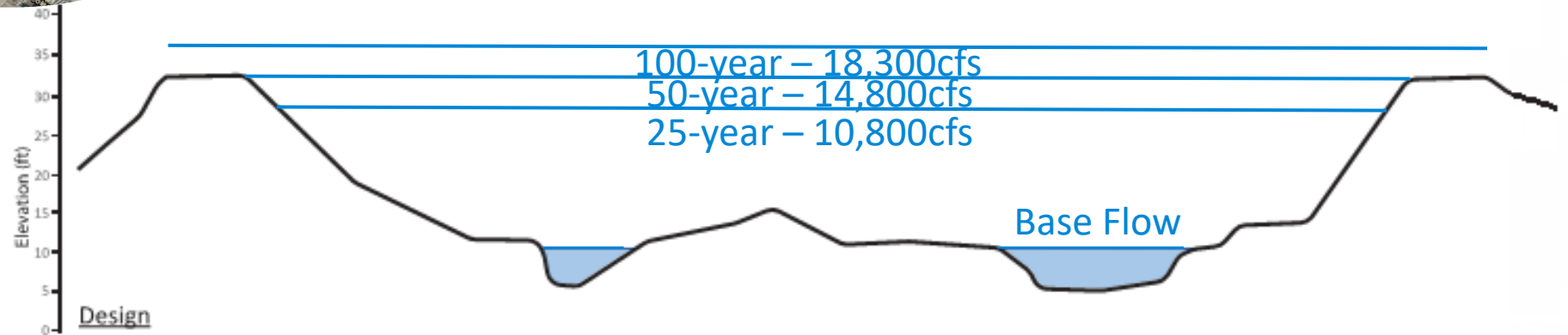
Lower Guadalupe River Project (LGRP)

- Completed 2004
- 100-Year flood protection
- Levees and Floodwalls
- Bridge Improvements

Problem: Insufficient Capacity

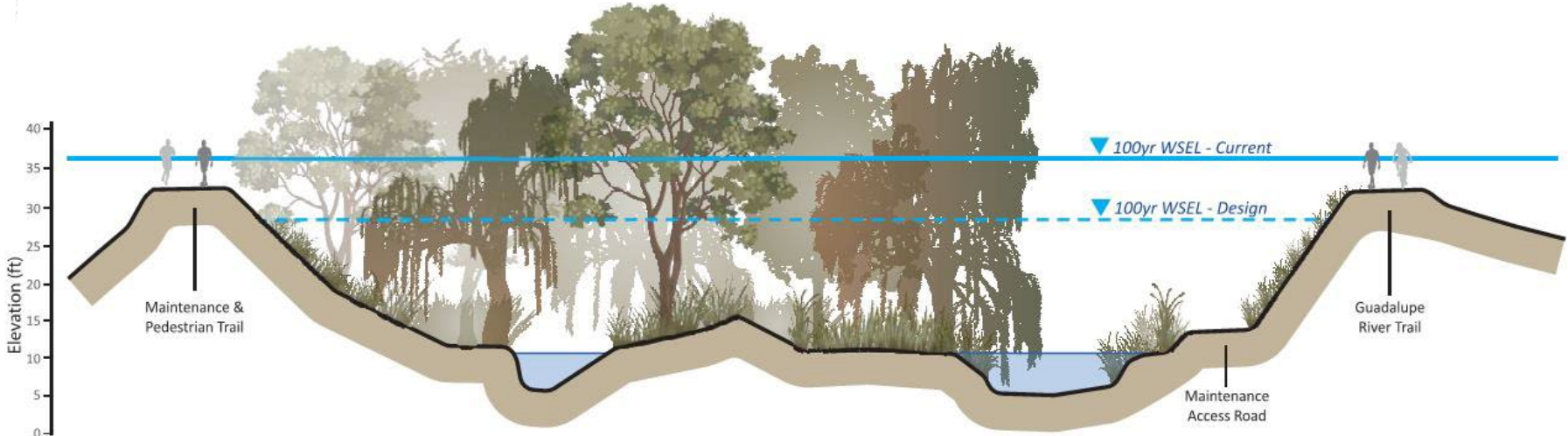
Alerted by

- High-water mark collection
- Hydraulic model calibration

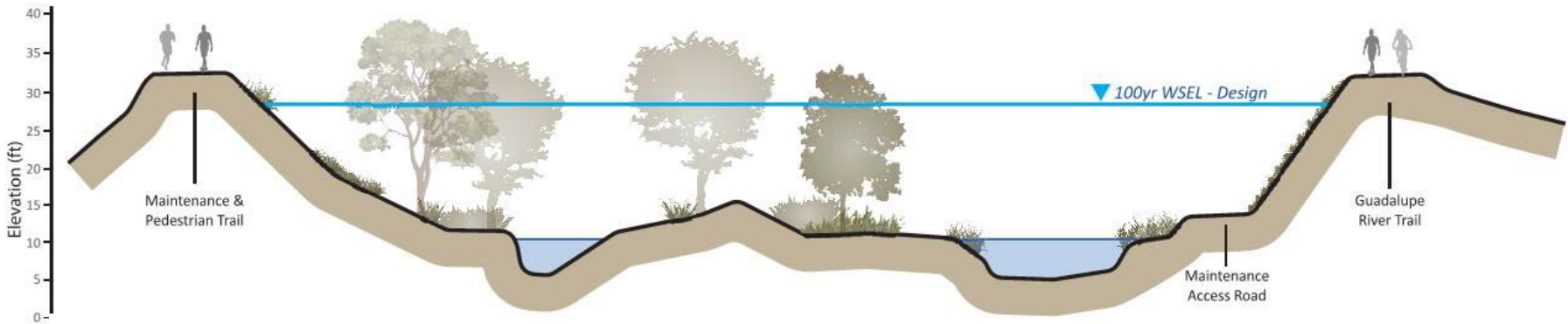


Typical Section: Trimble Road to Montague Expressway

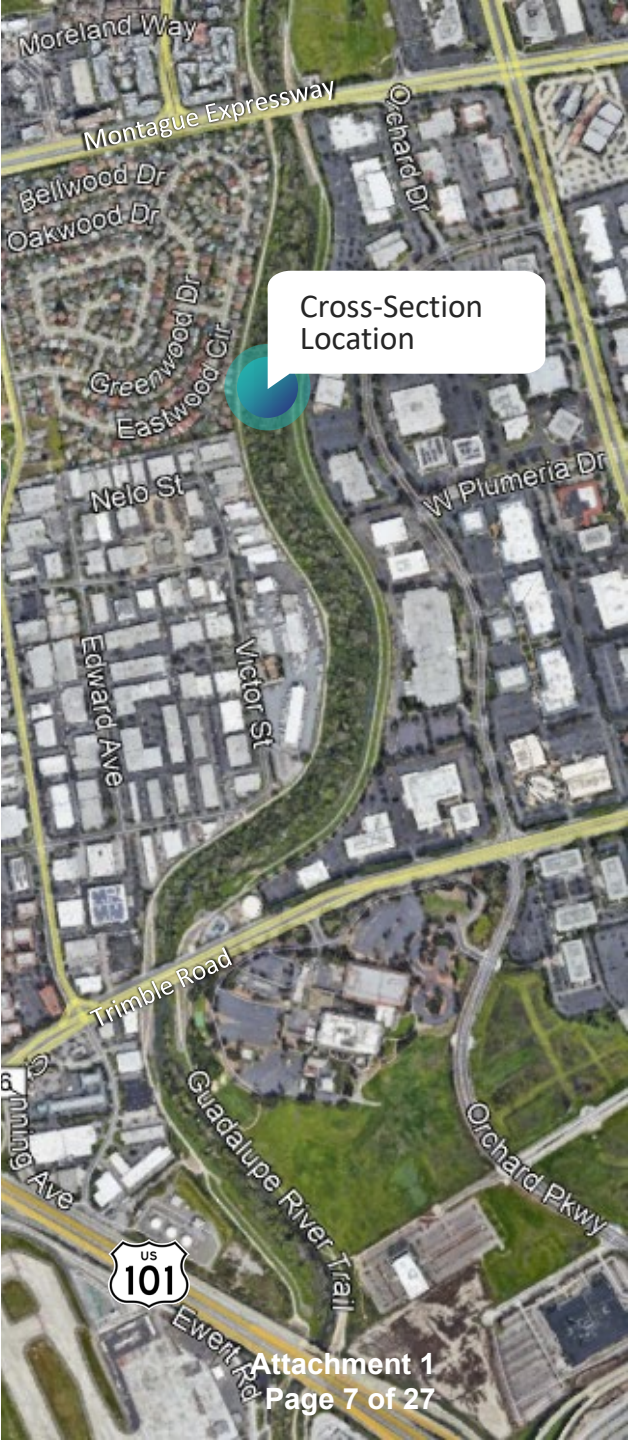
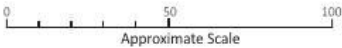
Facing Downstream to Montague Expressway



Current Condition



2004 LGRP Design Condition



Cross-Section Location



Planning Process

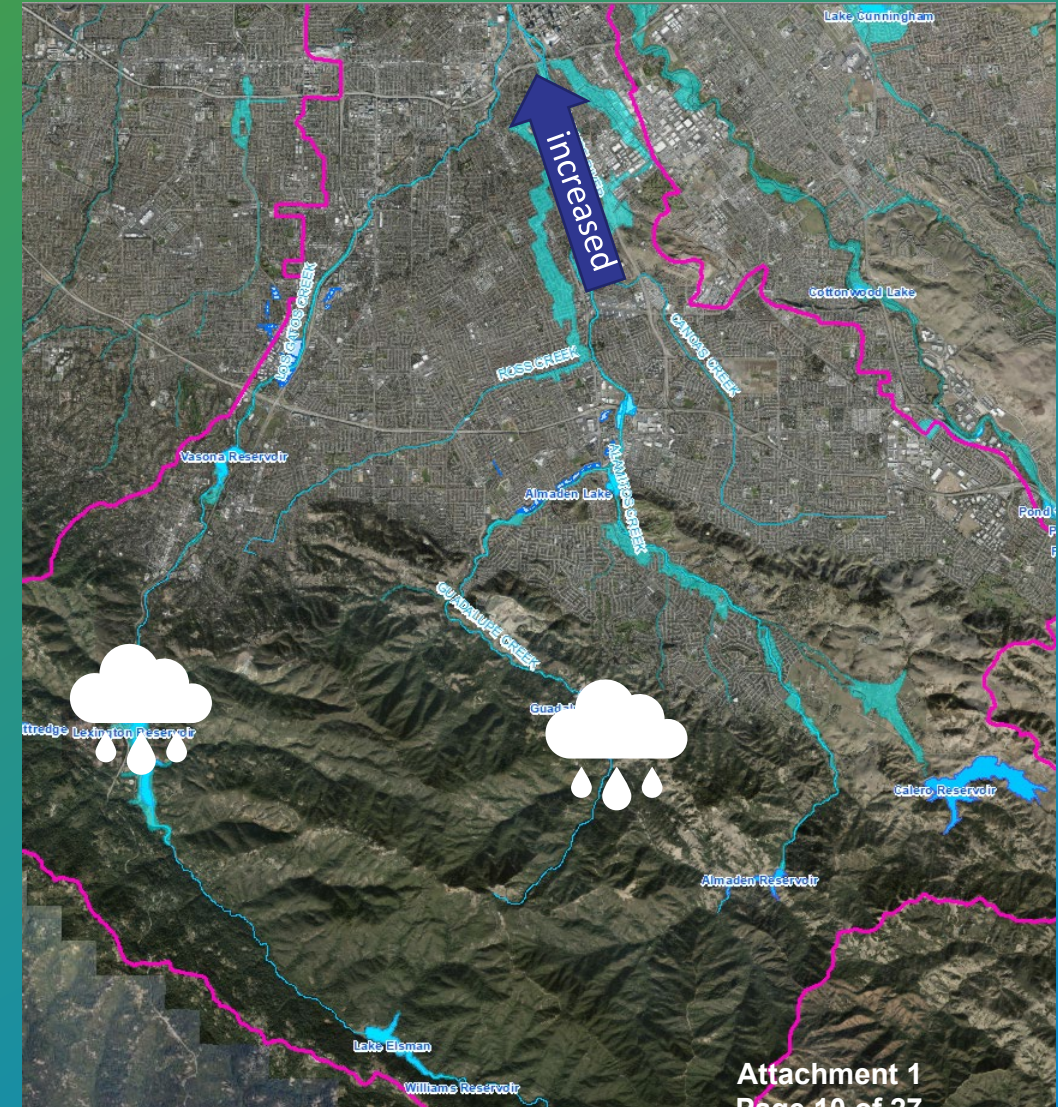
Objectives

1. **Restore the LGRP Level of Service**
2. Minimize the need for future operations and maintenance activities
3. Maintain and/or enhance public recreation and access
4. Obtain community support and participation for the Project



Changes Since Start of Planning

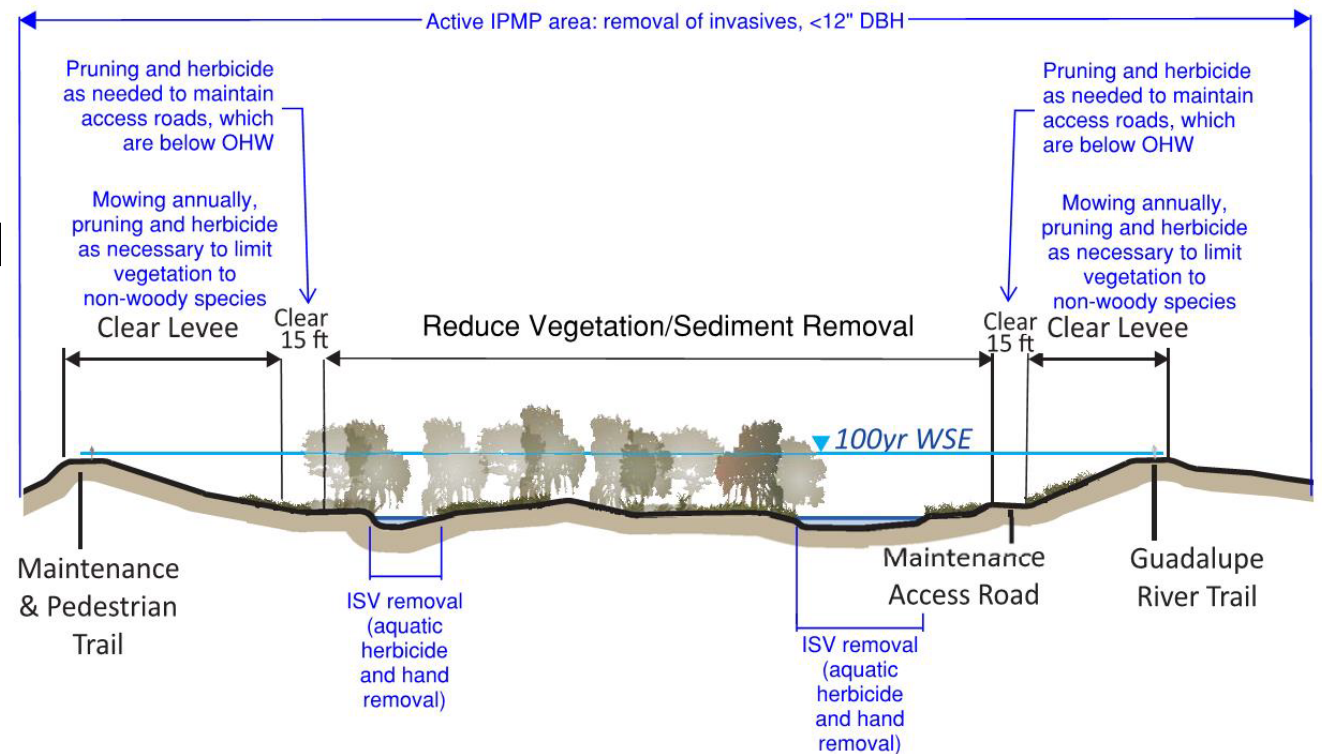
1. General Reevaluation Study with the US Army Corps of Engineers for the Upper Guadalupe Project
 - Increased flows coming downstream
2. Updated hydrology study for the Guadalupe Watershed
 - 1% Flow reduced to 14,000 cfs



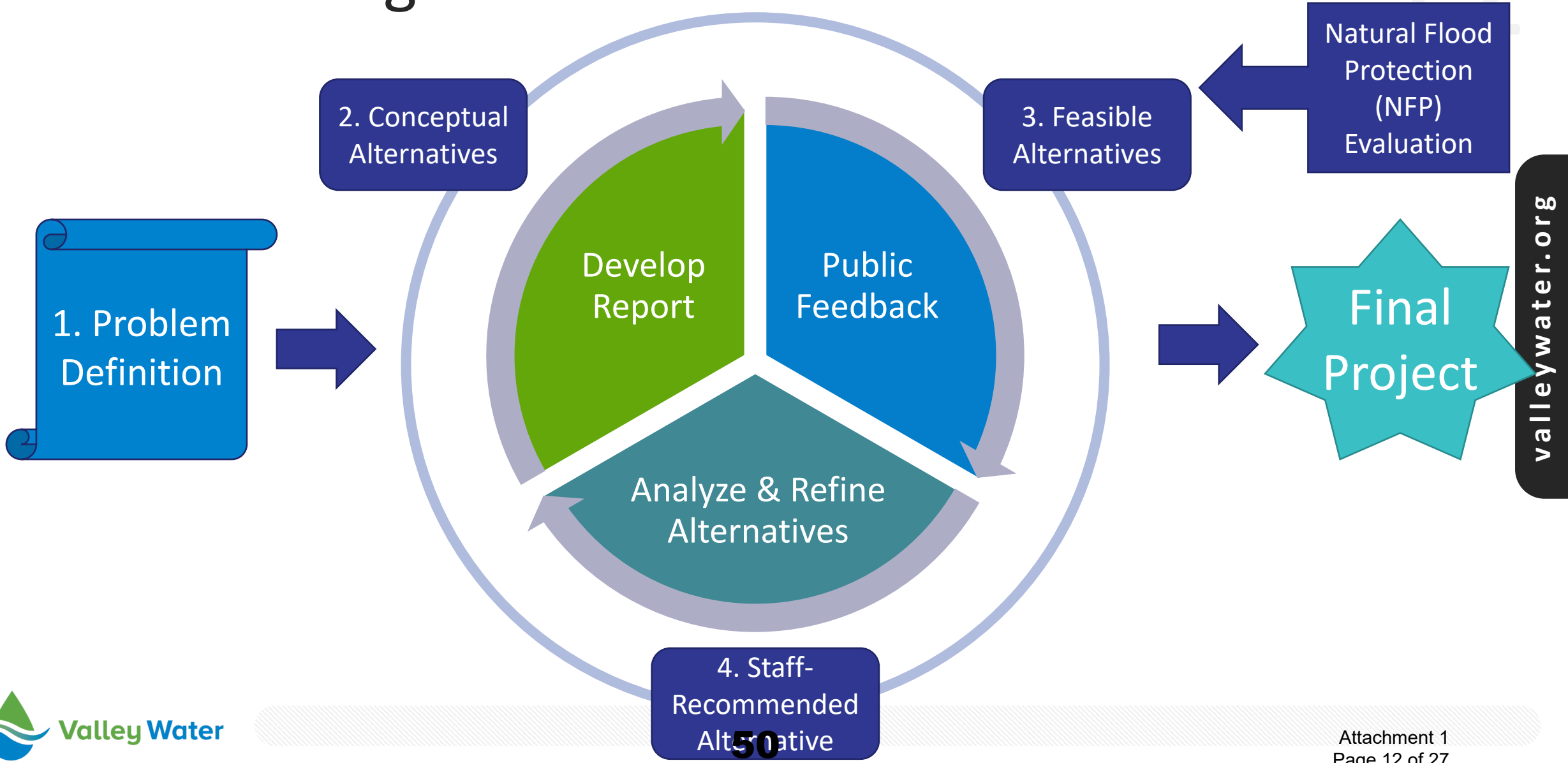
Design Criteria

- Hydraulics/ Hydrology
 - 1% Design: 18,000 cfs
 - Updated Hydrology: 14,000 cfs
- Operations and Maintenance
 - Minimize O&M activities required to maintain channel capacity
- Cost and Schedule
 - \$80 million, built ASAP

- Vegetation Maintenance



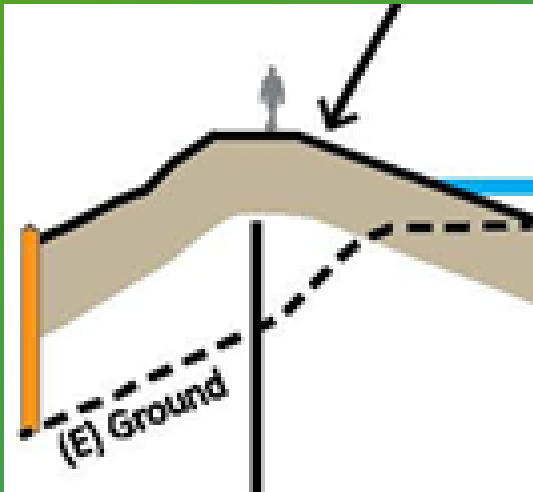
The Planning Process



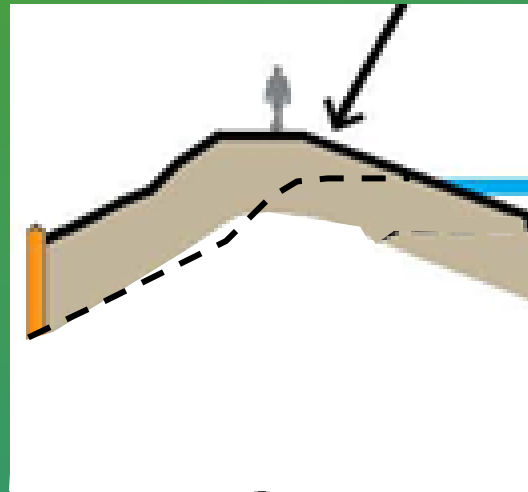


Staff Recommended Alternatives

Evaluated Alternatives



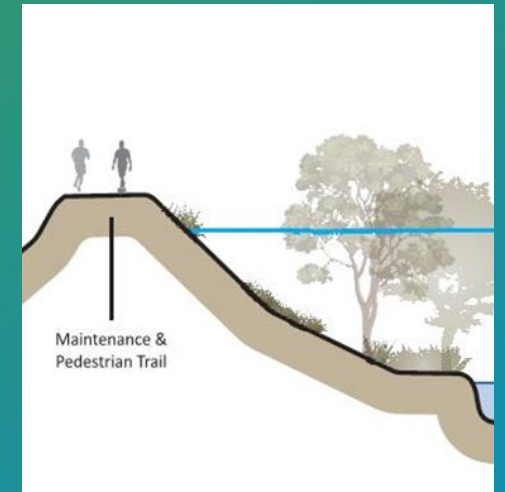
Alternative C:
Raise Levees
Design Flow
(18,000 cfs)



Alternative C:
Raise Levees
Updated Flow
(14,000 cfs)



Alternative J:
Re-Operate
Lexington Reservoir
Using Forecast-
Informed Reservoir
Operations (FIRO)



Alternative L:
Vegetation Removal

Alternative C – Raise Levees, Improve Bridges (18,000 cfs)



Alternative C – Raise Levees, Improve Bridges (14,000 cfs)

Cost: \$90 Million



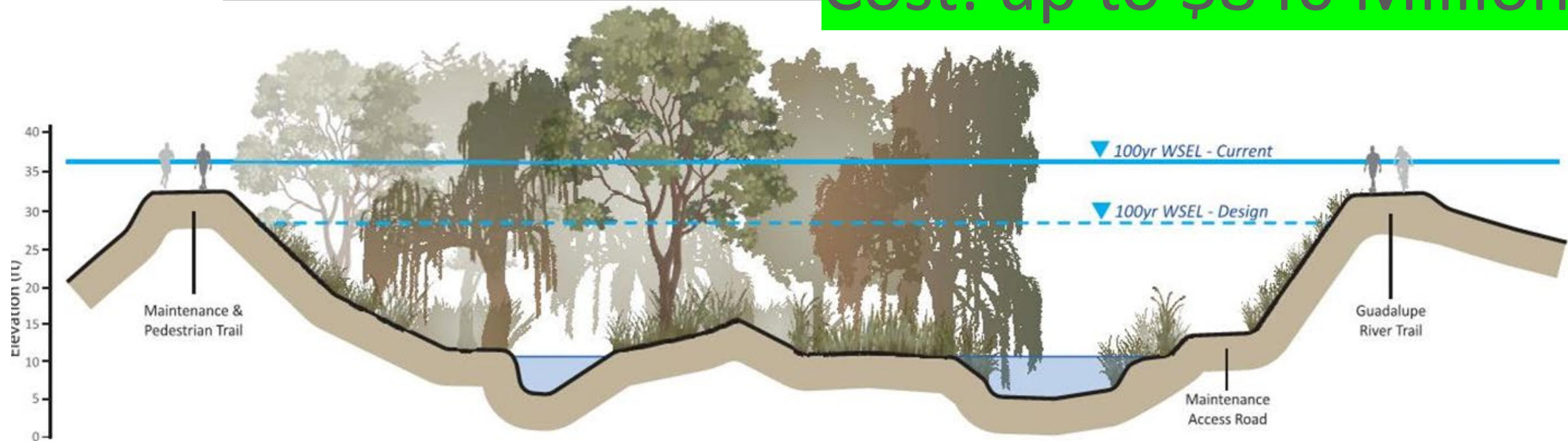
Highest NFP score: Modify Reservoir Operations (Alt J)

Cost: \$50 Million*



Alternative L: Remove Vegetation

Cost: up to \$840 Million



Alternatives Comparison

Alt C (18,000 cfs)



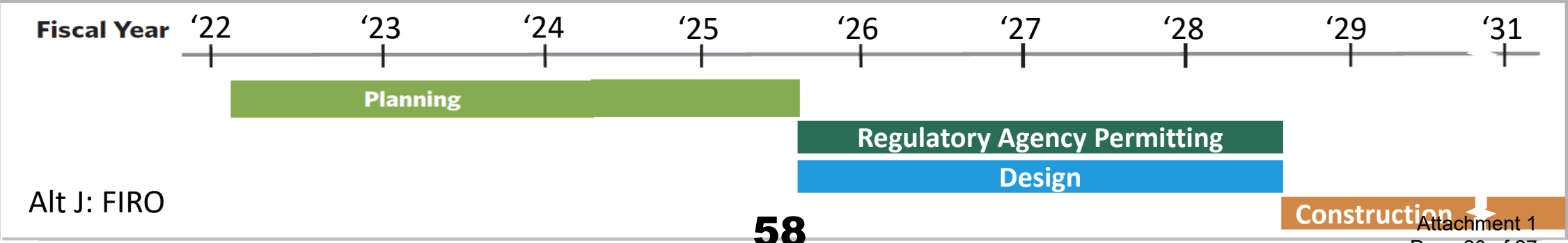
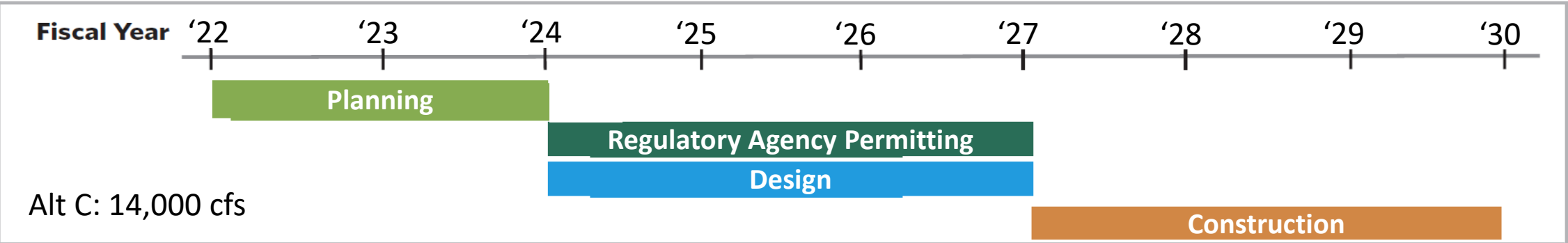
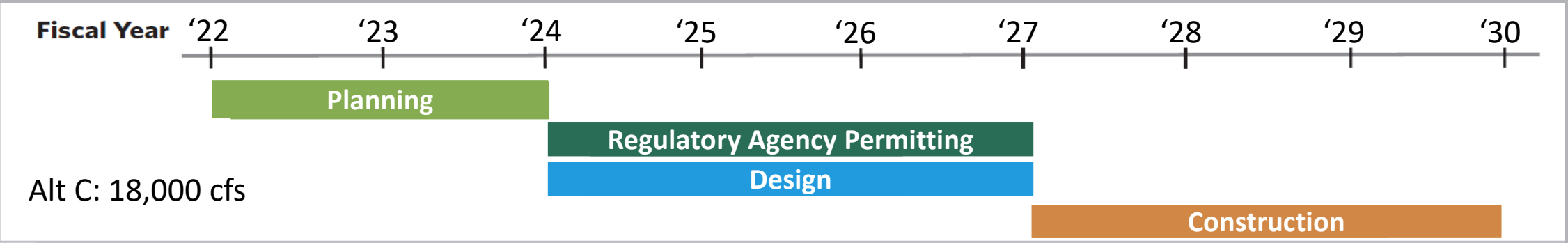
Alt C (14,000 cfs)



Alt J (FIRO)



Schedule Comparison





Policy and Technical Analysis

FIRO Considerations and Additional Analysis

22

Technical Analysis

- Incorporate Guadalupe Ponds and/or Almaden Reservoir
- FIRO Sensitivity Analysis for Guadalupe Watershed
- Uncertain Landslide Risk

Completing all analysis listed above will add another **6-12 months** and **outcome is uncertain**

FIRO Considerations and Additional Analysis

23

Policy Research

- District Act and Board Governance Policies
 - No changes required
- USACE Approval
- Operational Risk
- Water Rights/FAHCE
- Groundwater/Retailer Charge Concerns
 - Cost Allocation Study
 - Future O&M costs
 - Water Supply Losses



Recommended Next Steps

Recommendation:

- 1. *Transition new lower 1% flow (Alt C – 14,000 cfs) to Design Phase - \$90 Million***
- 2. *Continue to research reservoir operations for flood risk reduction (FIRO)***
 - Results: Downsize structural design or add FIRO as adaptability
- Continue Research:
 - Approvals needed for lower design flow
 - Complete Cost Allocation Study
 - Document reservoir flood operations
 - Complete hydraulic/technical analysis

QUESTIONS



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Valley Water

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Santa Clara Valley Water District

File No.: 23-0738

Agenda Date: 8/21/2023

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☒ No ☐
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

RECOMMENDATION:

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

SUMMARY:

During the May 17, 2021, Capital Improvement Program (CIP) Committee meeting, staff provided an update on the Anderson Dam Tunnel Project (ADTP) No. 91864006. The Committee requested staff provide monthly change order status updates after construction of the ADTP commences on July 7, 2021.

Project Background

Santa Clara Valley Water District (Valley Water) is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020, directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the ADTP.

On April 27, 2021, Valley Water's Board of Directors awarded the construction contract for the ADTP to the top ranked best value proposer, Flatiron West, Inc. (Flatiron), in the sum of \$161,140,321 and approved a contingency amount of \$40,000,000 (25% of the contract price). The Board directed staff to discuss delegating authority for contingency expenditures with the CIP Committee.

By unanimous roll call vote at its May 17, 2021, meeting, the Committee approved recommending to the full Board that it consider delegating authority to staff to approve change orders for the ADTP at the amounts stated below and that the CIP Committee receive regular monthly reports with information regarding approved change orders, pending change orders, and the cumulative amounts. Valley Water's Board of Directors accepted the CIP Committee recommendations at its regular meeting on May 25, 2021.

Delegated Approval Authority

Unit Manager: Up to \$100,000
Assistant Operating Officer: Up to \$250,000
Deputy Operating Officer: Up to \$500,000
Assistant Chief Executive Officer: Up to \$2.5 million
Chief Executive Officer: Up to \$5 million
Board of Directors: \$5 million and above

Construction Contract Change Orders Status

There are two new Contract Change Order (CCO #22, and #23) to present to the CIP Committee. The net value of the two Contract Change Orders is \$1,077,016.00. Also included for reference are two attachments providing information on construction contract change orders (Attachment #1) and construction contract financials (Attachment #2).

Contract Change Order #22

- 1. Additional Shotcrete in the Transition Zone.** Valley Water issued Contract Design Clarification (CDC) 025 - Transition Zone Supplemental Support, which included the addition of steel sets for ground support at the Low-Level Outlet Tunnel (LLOT) Transition Zone. Addition of the steel sets resulted in an increase to the shotcrete thickness of the initial lining. Therefore, in order to meet final tunnel lining requirements, an additional 81 cubic yards of shotcrete is to be placed. This portion of the change order work is valued at \$191,516.00.
- 2. Increase of Bid Item No. 5g - Transition Zone Rock Bolts.** Rock bolts are installed in the LLOT Transition Zone with spacing based on the ground classification encountered. The Transition Zone includes three ground classifications, 3, 4, and 5, with Class 3 being the most competent ground requiring the least amount of ground support and Class 5 the most difficult ground to support, requiring the most ground support mechanisms.

In preparing the bid documents, Valley Water staff and the Project design consultant evaluated geotechnical engineering data and estimated expected quantities of each ground classification to be tunneled, but the actual soil conditions cannot be known until the excavation is in progress. In this situation, more Class 5 ground has been encountered during excavation of the Transition Zone than expected, requiring the installation of additional rock bolts for ground support.

Therefore, an increase to the bid quantity is necessary for Bid Item No. 5g - Transition Zone Rock Bolts. The bid quantity is being increased by 155 rock bolts for a revised total quantity of 365. This portion of the change order is valued at \$232,500.00.

Contract Change Order #23

- 1. Anderson Force Main Galvanic Cathodic Protection.** Valley Water issued CDC 020 and

020.1 which included the addition of a galvanic cathodic protection system to provide additional corrosion protection for the 54-inch Anderson Force Main. The work includes furnishing and installing fourteen high potential magnesium anodes, including trench excavation and backfill to install the anodes a minimum of 6 feet deep. This portion of the change order is estimated to be valued at \$258,000.00.

- 2. Air Vent Pipe Installation.** Valley Water issued CDC 004 addressing Division of Safety of Dams and FERC comments on Phase 3 construction features. This included revising the air vent pipe diameter from 12-inches to 24-inches. This item covers all labor, tools, equipment, and incidentals necessary to install the larger pipe. This portion of the change order is estimated to be valued at \$395,000.00.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment A: Government Code §84308

Attachment 1: Construction Contract Change Orders Status

Attachment 2: Construction Contract Financial Status

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983

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Attachment A – Gov. Code § 84308

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

List of Parties and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>
Flatiron West, Inc.	Shawn Golden	Vice President	2100 Goodyear Rd. Benicia, CA 94510

List of Participants and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>

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**Anderson Dam Tunnel Project
Construction Contract Change (CO) Order Status**

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
		4/27/2021	Original Contract	\$161,140,321.00	\$40,000,000.00	Board	
1	1/18/2022	12/16/2021	Additional Tree Removal, Protection and Relocation	\$460,250.41	\$39,539,749.59	DOO	Approved
2	2/14/2022	4/26/2022	Outlet Works Vertical Shaft Re-sizing	\$3,783,119.15	\$35,756,630.44	CEO	Approved
3	5/16/2022	5/17/2022	Water Quality Monitoring Equipment, Miscellaneous demolition, TCEAP VHF/UHF Radios	\$131,603.28	\$35,625,027.16	AOO	Approved
4	6/13/2022	6/30/2022	Tunnel and Miscellaneous Items from CDC-001/001.1, Remove Taber Drilling from Scope	\$386,801.98	\$35,238,225.18	DOO	Approved
5	6/13/2022	6/30/2022	Upsizing Soil Nail Rows D&E from #18 to #20	\$228,562.00	\$35,009,663.18	DOO	Approved
6	7/18/2022	8/6/2022	Increased Quantity of Diversion Portal Excavation, Assistance with Geological Investigations, Internet access to Trailer # 2, and Change of Infill material for High Level Outlet Works (HLOW) Shaft	\$63,063.32	\$34,946,599.86	UM	Approved
7	9/26/2022	10/31/2022	Disposal Area Parking Lot Remediation, DOS Foundation Excavation - Revised Soil Nail Wall, and Additional Environmental Compliance for Water Quality Monitoring and Soil Testing	\$1,526,724.84	\$33,419,875.02	ACEO	Approved
8	10/18/2022	10/26/2022	Disposal of Regulated and Organic Material	\$80,000.00	\$33,339,875.02	UM	Approved
9	11/14/2022	11/18/2022	3-D Modeling of HLOW Shaft	\$101,101.00	\$33,238,774.02	AOO	Approved
10	12/12/2022	12/19/2022	Monitoring of Additional Piezometer, Supplementary Support for the Transition Zone, DOS Portal Conditions, Partnering	\$1,971,946.48	\$31,266,827.54	ACEO	Approved
11	2/13/2023	12/19/2022	Time Related Overhead Time Impact Analysis 002	\$2,515,330.18	\$28,751,497.36	CEO	Approved
12	2/13/2023	1/19/2023	Increased Quantity of Diversion Tunnel Excavation Class 5	\$1,800,000.00	\$26,951,497.36	ACEO	Approved
13	2/13/2023	2/24/2023	Diversion Outlet Structure (DOS) Energy Dissipation Chamber Grated Access Opening	\$26,000.00	\$26,925,497.36	UM	Approved
14	3/20/2023	4/03/2023	Increased Quantity for 18.5 Foot Diameter Tunnel Excavation Class 5, Increased Quantity for Bid Item No. 2h, 2i, 2j, 2k. Decreased Quantity for Bid Item No. 5a and 5b.	\$156,000.00	\$26,769,497.36	AOO	Approved

**Anderson Dam Tunnel Project
Construction Contract Change (CO) Order Status**

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
15	3/20/2023	4/18/2023	Diversion Outlet Structure CLSM Saturday Premium Time, Diversion Portal Soil Nail Wall Condition	\$436,753.65	\$26,332,743.71	DOO	Approved
16	4/10/2023	5/12/2023	Surge Protection Device for Main Switchgear, CDC 015 Water Quality Instrumentation, Tree Trimming for Pacific Gas & Electric Pole Relocation	\$84,200.00	\$26,248,543.71	AOO	Approved
17	4/10/2023	5/12/2023	Increased Bid Item No. 11A Allowance - Other Wildlife and Fish Species, Specification Section 19.09	\$145,080.00	\$26,103,463.71	AOO	Approved
18	5/15/2023	5/30/2023	Traffic Support for Press Event	\$2,023.00	\$26,101,440.71	AOO	Approved
19	6/30/2023	5/25/2023	Increase Bid Item No. 5x Tunnel Excavation in Transition Zone - Class 5	\$994,500.00	\$25,106,940.71	ACEO	Approved
20	6/30/2023	TBD	18" Hydro Return Line Decommissioning, Low Level Outlet Tunnel Steel Sets Enlargement, DPP8 Boring Survey Assistance, Air Vent Pipe Procurement, CDC 007.3 North Channel FWI Scope 2023, CDC 007.3 North Channel DTDS Scope 2023.	\$1,104,961.00	\$24,001,979.71	ACEO	Pending
21	6/30/2023	7/26/2023	Time Related Overhead Time Impact Analysis 003	\$884,042.66	\$23,117,937.05	ACEO	Approved
DCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
1	09/26/22	10/05/22	Milestone 7, 9, and 10 Completion Revisions	\$0.00	\$23,117,937.05	UM	Approved

New CCO's for CIP Committee

Pending CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
22	8/21/2023	TBD	Additional Shotcrete in the Transition Zone, Increase in Bid Item No. 5g – Transition Zone Rock Bolts	\$424,016.00	\$22,693,921.05	DOO	Pending
23	8/21/2023	TBD	Anderson Force Main Galvanic Cathodic Protection, Air Vent	\$653,000.00	\$22,040,921.05	ACEO	Pending

Total Approved	22	Total	\$15,777,101.95	\$24,222,898.05			
Total Pending	2	Total	\$2,181,977.00	\$22,040,921.05			

Total Number of COs (Approved & Pending)	Total Amount of COs (Approved & Pending)
24	\$17,959,078.95

Anderson Dam Tunnel Project - Construction Contract Financials

Bid Item No.	Description	Amount	Balance Remaining	Billing Through July 2023*	
				Percent (%)	Amount
1	MOBILIZATION AND DEMOBILIZATION	\$ 16,150,000.00	\$ 2,675,100.00	83%	\$ 13,474,900.00
2	SITE PREPARATION	\$ 5,713,000.00	\$ 1,274,607.78	78%	\$ 4,438,392.22
3	DIVERSION PORTAL	\$ 6,173,496.00	\$ 261,886.40	96%	\$ 5,911,609.60
4	LAKE-TAP PORTAL	\$ 4,215,000.00	\$ 3,618,000.00	14%	\$ 597,000.00
5	TUNNEL EXCAVATION AND LINING	\$ 47,438,325.00	\$ 37,226,425.00	22%	\$ 10,211,900.00
6	SHAFT EXCAVATION AND LINING	\$ 10,100,000.00	\$ 4,336,360.00	57%	\$ 5,763,640.00
7	MICROTUNNEL	\$ 9,982,000.00	\$ 9,052,000.00	9%	\$ 930,000.00
8	DIVERSION OUTLET STRUCTURE	\$ 48,678,550.00	\$ 38,209,117.97	22%	\$ 10,469,432.03
9	COYOTE CREEK MODIFICATIONS	\$ 6,421,550.00	\$ 5,198,577.00	19%	\$ 1,222,973.00
10	SUPPLEMENTAL WORK ITEMS	\$ 5,668,400.00	\$ 5,668,400.00	0%	\$ -
11	ALLOWANCES	\$ 600,000.00	\$ 335,023.43	44%	\$ 264,976.57
		Total Original Contract Amount	Total Balance Remaining	Percent (%) Billed	Total Billed To Original Contract Amount
		\$ 161,140,321.00	\$ 107,855,497.58	33%	\$ 53,284,823.42

CCOs	Description	Amount	Balance Remaining	Billing Through July 2023*	
				Percent (%)	Amount
CCO 1-19, 21,22	CONTRACT CHANGE ORDERS (CCO)	\$ 17,376,530.97	\$ 5,512,282.49	68%	\$ 11,864,248.48
		Total Contract Amount Including CCOs	Total Balance Remaining Including CCOs	Total Percent (%) Billed Including CCOs	Total Billed Including CCOs
		\$ 178,516,851.97	\$ 113,367,780.07	36%	\$ 65,149,071.90

*Includes estimated July 2023 billing, currently under review.

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Santa Clara Valley Water District

File No.: 23-0848

Agenda Date: 8/21/2023

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Review 2023 Capital Improvement Program Committee Work Plan.

RECOMMENDATION:

Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary.

SUMMARY:

Work Plans are created and implemented by all Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change. Committee Work Plans also serve to assist to prepare an Annual Committee Accomplishments Reports.

Discussion of topics as stated in the Plan have been described based on information from the following sources:

- Items referred to the Committee by the Board;
- Items requested by the Committee to be brought back by staff;
- Items scheduled for presentation to the full Board of Directors; and
- Items identified by staff.

Regular monthly meetings are scheduled to occur at 11:00 a.m., on the third Monday of each month or at the call of the Committee Chair.

Establishing a work plan and meeting schedule are necessary to provide staff a basis for meeting planning and logistics coordination and agenda item preparation. Attachment 1 is the 2023 CIP committee work plan for review and comments by the CIP committee.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: 2023 CIP Committee Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

CIP Committee 2023 Work Plan

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Capital Project Monitoring												
Feasibility/Planning		X		X				X		X		
Design/Permitting		X			X			X			X	
Construction			X			X			X			X
Projects in Mitigation/Plant Establishment						X						
CIP Implementation												
Water Treatment Plant Master Plan Implementation		X										
Pond A4 Resilient Habitat Restoration			X									
Design-Build Projects Update						X						
Construction Contract Contingency and Change Order Management						X						
Guadalupe River – Tasman to 880 Alternatives								X				
Pre- and Post-Award Contract Administration									X			
Headquarters Operations Building Planning										X		
CIP Development												
Final CIP Performance Audit									X			
CIP Planning Process												
• Annual CIP Process and Integrated Financial Planning Schedule and Review of Initially Validated and Unfunded Projects										X		
• Review Significant Project Plan Updates											X	
Preliminary CIP Review												X
Standing Items												
Anderson Dam Tunnel Project Contingency and Change Order Monitoring	X	X	X	X	X	X		X	X	X	X	X
Upcoming Consultant Agreement Amendments	X	X	X	X	X	X		X	X	X	X	X
Workplan	X	X	X	X	X	X		X	X	X	X	X
Minutes	X	X	X	X	X	X		X	X	X	X	X
Annual Election of Committee Officer	X											

Canceled

Recess

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