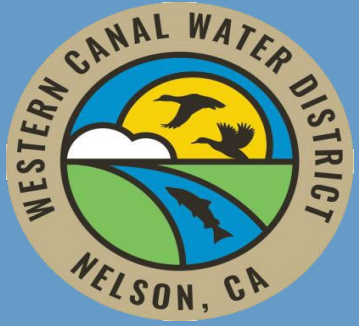
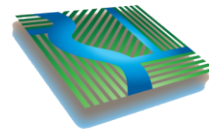




Western Canal Water District Front Slide Gates Replacement Project

*ACWA Fall Conference 2025
San Diego
Ted Trimble, General Manager*

Special thanks to
Tommy Ostrowoski, P.E.



DAVIDS
ENGINEERING, INC

Serving Stewards of
Western Water Since 1993

Outline

1. Project Status

- Engineering & Design
- Environmental Compliance
- Funding

2. Construction Costs

3. Project Timeline

4. Next Steps



Project Status

- Engineering/Design

-  30% and 60% Level of Design (LOD)
-  Value Engineering
-  100% LOD

- Environmental Compliance

-  CEQA
-  Permitting and Compliance
 - State agency permits
 - Federal agency permits

- Funding

-  USBR Planning and Design Grant (\$400K)
-  Evaluating strategic funding partnerships (e.g., w/ DU) and/or grant funding



Costs and Timeline

Timeline

~2021 Early signs of structure failure

- * Sylon Reed applied short term stabilizing measures
- * Early identification of replacement structure

Feasibility – Options Analysis (2023) initiated with Davids Engineering

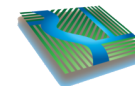
- * ~ Fall of 2026
- * Now 2027?

Costs

- * Early cost estimation \$3 million
- * 2024 Received BOR WaterSMART grant planning and design grant - \$400k
- * 30% design cost est. \$5.7 M
- * 60% value engineering \$5.3 M

Next

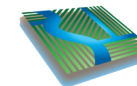
- * Find funding



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Project Timeline

	<u>2025</u>		<u>2026</u>		<u>2027</u>	
	Q2	Q3-Q4	Q1-Q2	Q3-Q4	Q1-Q2	Q3-Q4
Planning and Design	☐ Geotechnical borings ☐ 75% Level of Design ☐ 100% Level of Design			PG&E Coordination		
Environmental Compliance & Permitting	☐ CDFW 1600 LSAA ☐ USACE 404 and CWA 401 ☐ USFWS/CDFW Endangered Species Act compliance ☐ USACE 408 and CVFPB Encroachment Permit - 18-24 month review					
Bidding and Contracting			Pre-Procure Gates	Competitive Bidding, Contractor Selection, & Contracting		
Construction					April 1-31: Water Control May 1- Oct 1: Construction	



Next Steps

Near-term Horizon (6-8 months):

1. Complete 75% and 100% Level of Design
 - Primary uncertainties to address:
 - Geotechnical
 - PG&E
 - Tariffs and inflation
 - Implementation Schedule
2. Finalize USBR Planning and Design Grant agreement
3. Complete and submit environmental permit applications
 - CVFPB Encroachment permit and USACE 408 – target submission = April 25, 2025
 - CDFW LSAA – in-progress
 - USACE 404 – Nationwide permit in-progress
 - USFWS Biological Assessment in-progress
4. Identify implementation funding

