

Exhibit to Agenda Item # 1

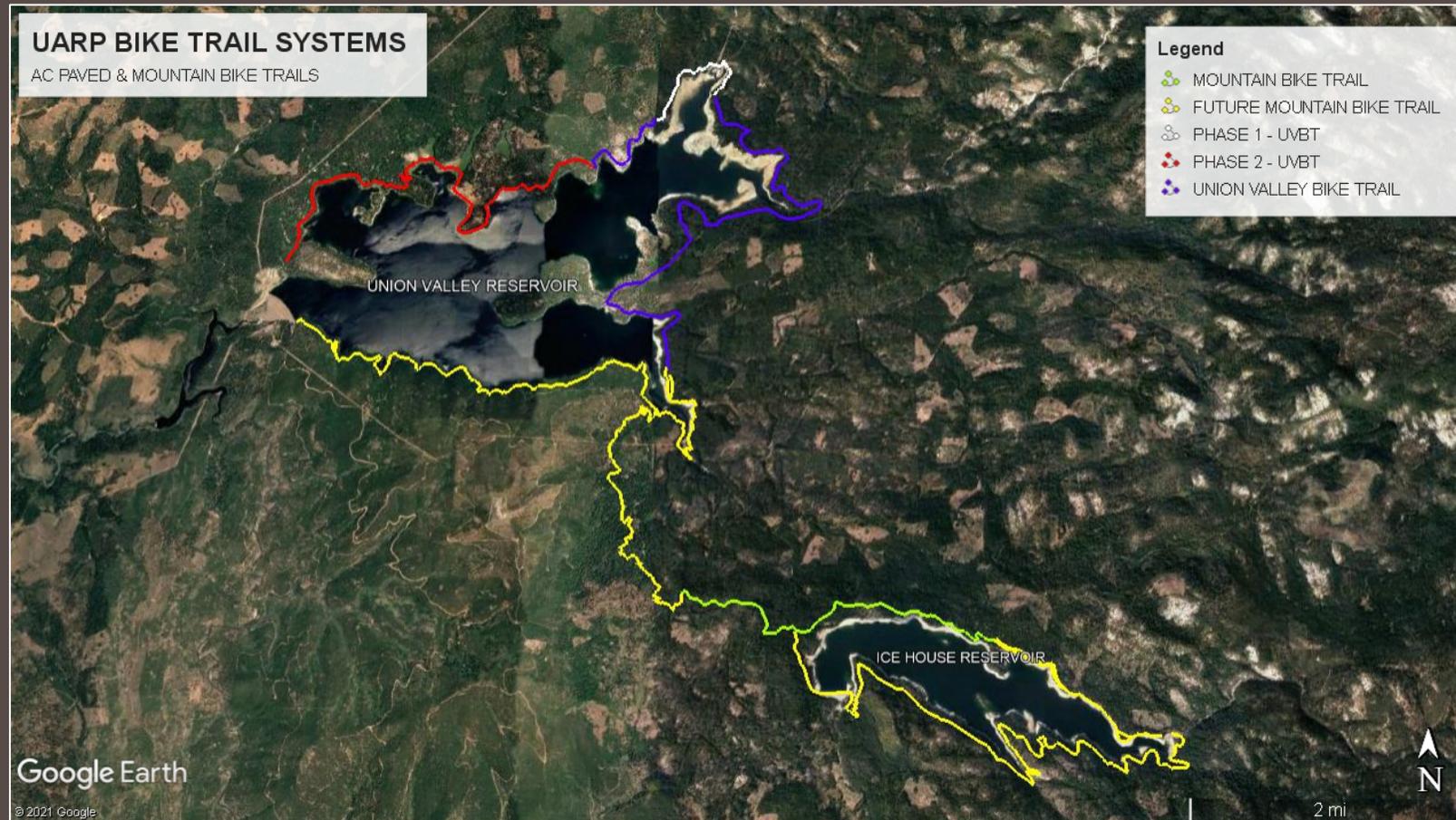
Authorize the Chief Executive Officer and General Manager to award a contract to Granite Construction Company to provide construction services for the Union Valley Bike Trail Extension Project in the Crystal Basin region of the Upper American River Project (UARP) for a total contract amount not-to-exceed \$20,300,300 and for a contract term from May 1, 2021, to December 31, 2023.

Board Finance & Audit Committee and Special SMUD Board of Directors Meeting
Wednesday, April 14, 2021, scheduled to begin at 5:30 p.m.

Virtual Meeting (online)

Project History

Completion of the Union Valley Bike Trail (UVBT) is a FERC License Compliance Requirement, which when done will consist of 12+ miles of continuous Class V bike trail around the reservoir from Jones Fork Campground to West Point Campground.



Project Background

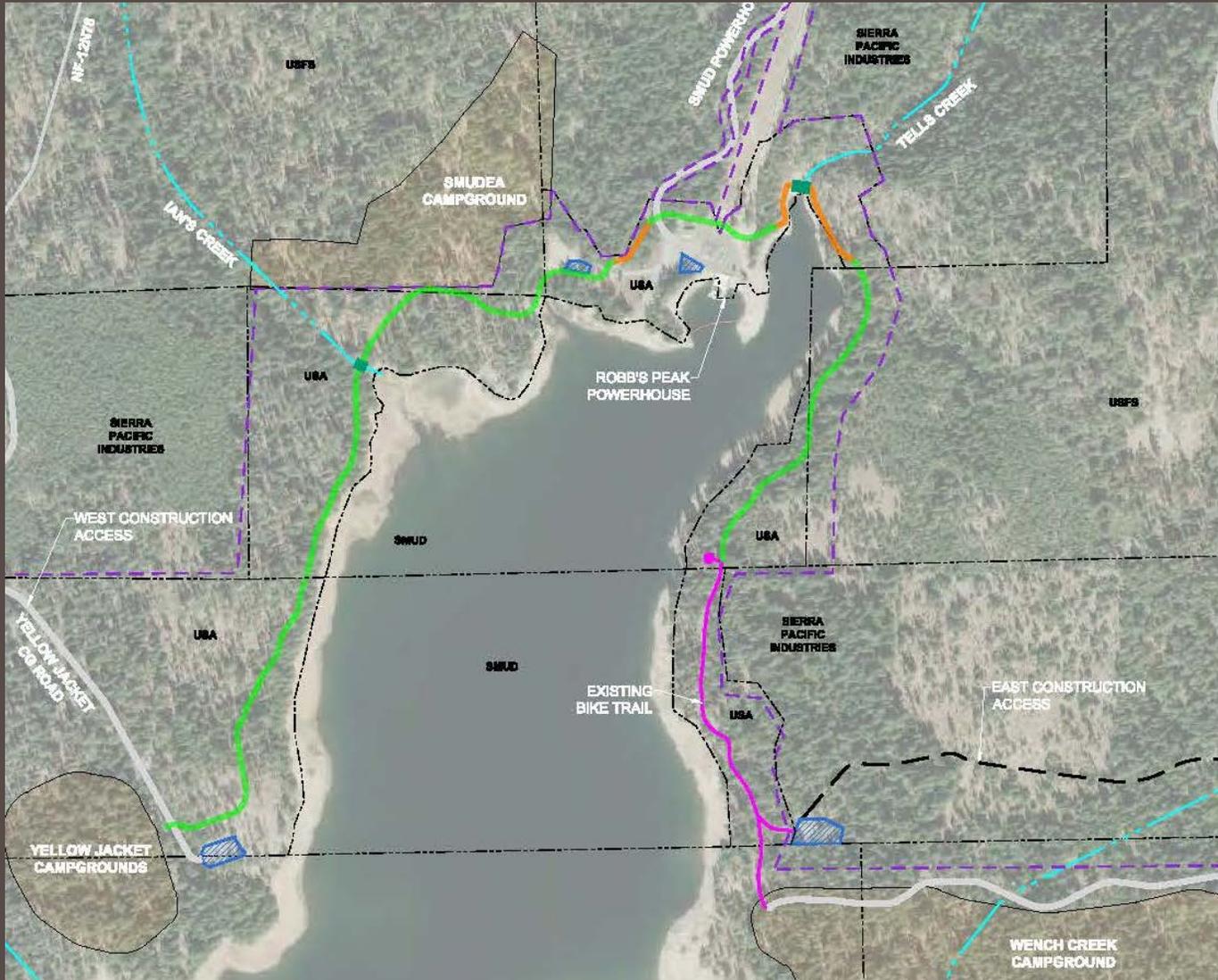
The Union Valley Bike Trail (UVBT) currently consists of two segments of paved bike trail at Union Valley Reservoir in the Crystal Basin of the Upper American River Project, totaling 6.3 miles. Expansion and connection of the bike trail will be completed in two phases:

- Wench Creek Campground to Yellowjacket Campground
- Wolf Creek Campground to West Point Campground

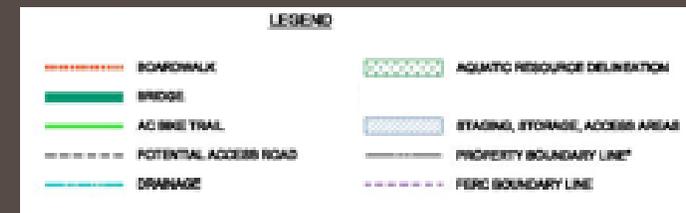
SMUD staff has worked closely with the Forest Service and adjacent landowners in the development of the project since 2010

- Requested and received two timeline extensions
- Examined 5 separate alignments, various designs and materials to determine best value
- Reduced estimated costs by >30%

Union Valley Bike Trail - Phase I



- Connects existing Bike trail segments from Wench Creek Campground to Yellowjacket Campground
- 1.2 miles of paved 8' wide Class V bike trail
- ~1,100 linear feet of Fiber Reinforced Polymer (FRP) boardwalk
- 80-foot bridge spanning Tella's Creek
- 40-foot bridge spanning Ian's Creek



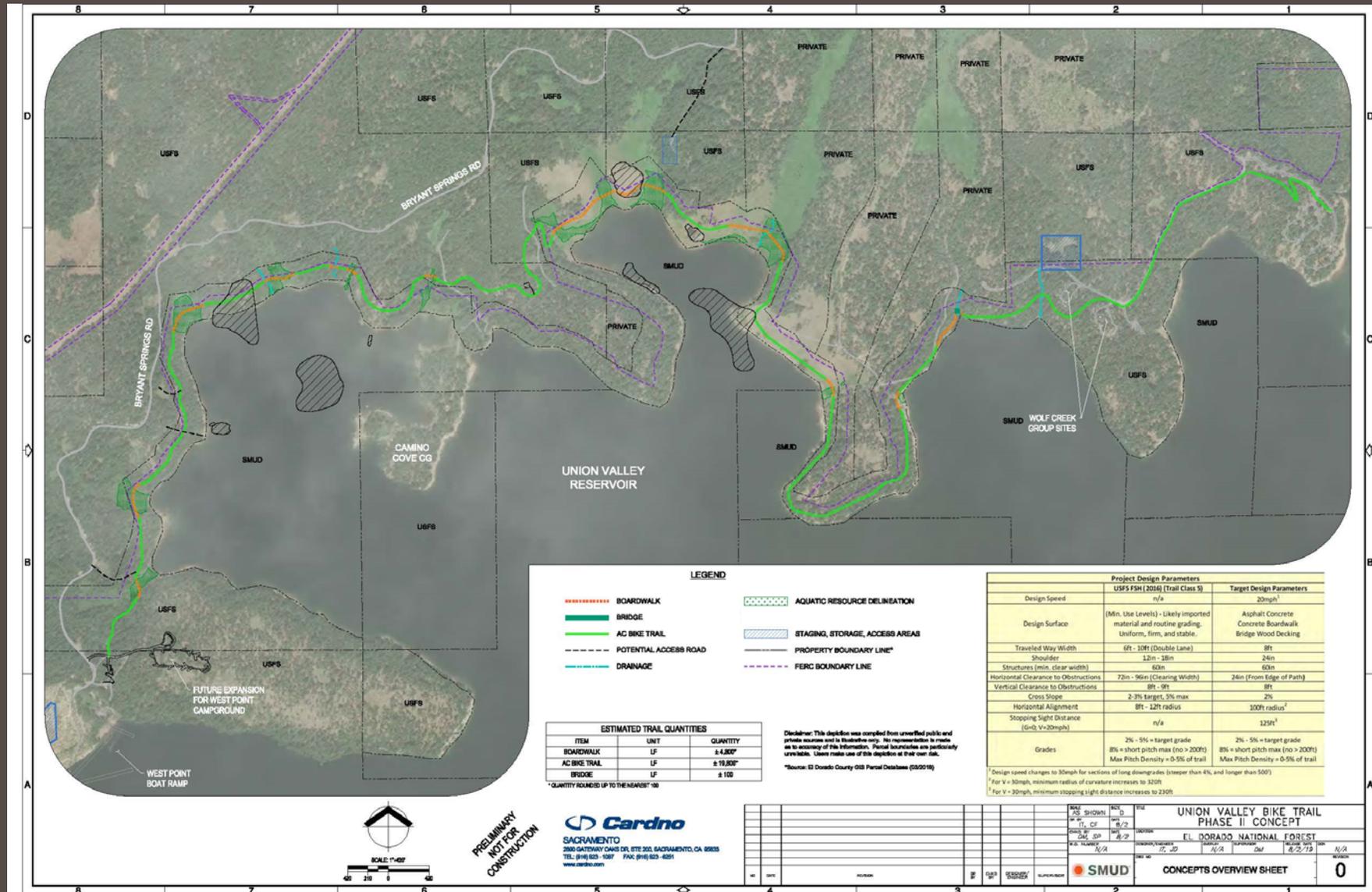
Union Valley Bike Trail - Phase I



Tells Creek Crossing

- 80-foot clear span
- Drilled & poured foundations
- Bridge span placed by Helicopter

Union Valley Bike Trail - Phase II



Union Valley Bike Trail – Phase II

- ~3.8 miles of paved 8' wide bike trail
- 100-foot clear span bridge crossing Wolf Creek
- Numerous wet meadow crossings
- ~1.2 miles of FRP boardwalk
- Parking area near West Point Campground
- Rest stop with picnic tables



Best Value Design Solutions



- U.S. Forest Service Class V Multi-use Trail
- Alignment meets current accessibility standards
- FRP Boardwalk Materials
 - Low maintenance
 - Long Service Life
 - Fire-resistant
 - Natural Look and Texture
 - Allows for “field-fit” or design/build approach
 - Minimizes environmental impacts



Boardwalk Construction Challenges

6,300+ piles to be installed in both wet meadows and rocky terrain

- Driven (Less costly)
- Drilled (More costly)



Construction Access Challenges



Linear Access – space-limited ingress/egress



Limited Access to install bridges – requires Skycrane

Procurement Strategy – Two Phase

- RFQ - issued November 2019
 - Pass/Fail Criteria
 - Mandatory Pre-bid and Job walk
 - Nine Contractors Pre-Qualified
- RFP - issued December 2020
 - Complex construction
 - Environmental concerns
 - Contractor strategy and proposed team
 - Process emphasized schedule impacts
 - 4 responsive bids received
 - Best and Final Offers requested
 - Commercial terms
 - Weighted value engineering solutions

RFP Evaluation Criteria	100%
Commercial Terms (50%)	
Price	40%
SEED Participation	10%
Technical (45%)	
Project Understanding and technical approach	25%
Experience/Qualifications of Key Project Personnel	15%
Value Engineering	5%
Construction Contract standard requirements (5%)	
Safety	3%
Environmental Sustainability	2%

RFP Evaluation Results

RFP NO. Doc2763582351 BAFO

Union Valley Bike Trail Extension (2 Year Project)

Responsive Proposals Received	Pass/Fail	SEED Points	Technical Points	Price Points	Total Score	Rank	Proposal Amount	SEED Credit	Evaluated Proposal Amount	Proposed Award Amount
		10	50	40	100					
Granite Construction Co.	Passed	10.00	47.42	38.28	95.70	1	\$20,300,300	\$250,000	\$20,050,300	\$20,300,300
Doug Veerkamp General Engineering	Passed	10.00	44.77	40.00	94.77	2	\$19,439,439	\$250,000	\$19,189,439	
Clark Bros., Inc	Passed	10.00	39.65	37.00	86.65	3	\$20,994,475	\$250,000	\$20,744,475	
Burdick Excavating	Passed	10.00	28.15	39.31	77.46	4	\$19,776,312	\$250,000	\$19,526,312	

Requested Action

Authorize the Chief Executive Officer and General Manager to award a contract to Granite Construction Company to provide construction services for the Union Valley Bike Trail Extension Project in the Crystal Basin region of the Upper American River Project (UARP) for a total contract amount not-to-exceed \$20,300,300 and for a contract term from May 1, 2021, to December 31, 2023.