DIRECTORS

Dan Hankemeier, President Emery Ross, Vice President Dan Johnson Russell Warren Nellie Sperry

Special Meeting of the Board of Directors

9751 Merced Falls Road

August 5, 2022 at 10:00 a.m.

Mission Statement: The Lake Don Pedro CSD is dedicated to providing our customers with ample quantities of high quality water meeting all standards, in a fiscally responsible manner.

AGENDA

1. CALL TO ORDER: Presiding Officer: Establish Quorum, Pledge of Allegiance:

2. PRESENTATION / INFORMATION:

a. Department of Water Resources Barrett Cove Raw Water Intake construction options / Black Water Engineering Group

3. DISCUSSION / ACTION ITEM:

b. Discussion / Approval of Resolution 2022-xxxx regarding design-bid-build, or design-build construction options for Barrett Cove Raw Water Intake Project

4. ADJOURNMENT:

Meeting agendas and written materials supporting agenda items, if produced, can be received by the public for free in advance of the meeting by any of the following options:

- A paper copy viewed at the District office, 9751 Merced Falls Rd., La Grange, CA 95329 during business hours or mailed pursuant to a written request and payment of associated mailing fees
- An electronic copy received by email. Note a form requesting email delivery of agendas and/or meeting materials must be completed a minimum of one week in advance of the meeting
- Viewed on the Board page of the District's website
- A limited number of copies of agenda materials will also be available at the meeting

Americans with Disabilities Act Compliance: If you require special assistance to participate in Board Meetings, please contact the LDPCSD Board Secretary at (209) 852-2251 Ext. 2. Advance notification will enable the District to make reasonable arrangements to insure accessibility

Memorandum



REGIS 7

PROFESSION

No. C71466

Exp. 12-31

To: Board of Directors, Lake Don Pedro Community Services District

From: Christiana Giedd, E.I.T., Black Water Consulting Engineers, Inc. Jennifer Pratt, P.E., Black Water Consulting Engineers, Inc.

Subject: Raw Water Intake Pump Station Project Update

Date: July 11, 2022

Black Water Consulting Engineers, Inc. (Black Water) is pleased to submit this memorandum to the Lake Don Pedro Community Services District (District) Board of Directors summarizing our work and progress for the Raw Water Intake Pump Station Project (Project) as well as recommendations for next steps. This summary is based on our best understanding at the time of preparation.

Project Update

Section 1 provides a summary of the Project progress. Section 2 discusses the differences between the design-build and design-bid-build processes. Section 3 summarizes the Project's need for a geotechnical investigation. Section 4 provides the updated Project schedule.

1.0 Progress Summary

As of the date shown in the header of this memorandum, the following have been completed:

- Topographic survey of project location
- 35% Project Design submitted to the following:
 - o The District
 - California Department of Water Resources
 - Merced Irrigation District
 - Federal Energy Regulatory Commission (Expected to be submitted by July 13, 2022)
- Required permit applications for construction and responses to questions from agencies have been submitted. Permits include:
 - California Department of Fish and Wildlife Lake and Streambed Alteration Agreement
 - Section 401 federal Clean Water Act Water Quality Certification

At 35% design completion, the project may either continue through the design-bid-build process by reaching 100% design, or it could be bid with Black Water facilitating the design-build process (see Section 2).

2.0 Design-Build versus Design-Bid-Build

Design-bid-build construction projects are designed by the engineer, put out to bid, and then constructed by the lowest bidding contractor. However, for this project Black Water has investigated the alternative method of design-build. In this method, the project is bid at approximately 35% design and a contractorengineer team is awarded the project and works together to accomplish the final design and construction of the project. **Figures 1** and **2** show the reporting chains for both processes.



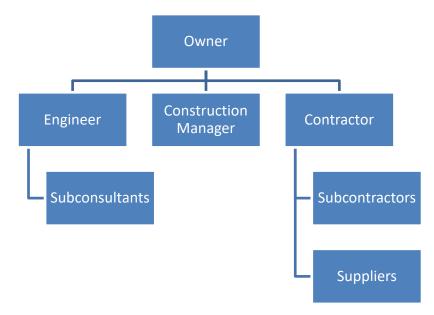
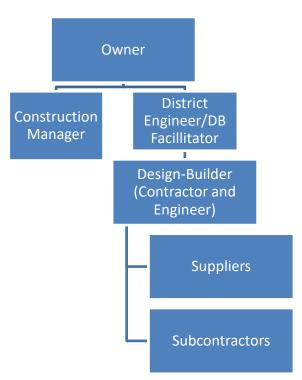


Figure 2 - Design-Build Reporting Chain



The benefits of the design-build method in comparison to the design-bid-build method include:

- Expediting the project timeline
- Incentivizes value engineering
- Contractor best practices can be incorporated into the design
- Early collaboration on project solutions
- Allows for other qualifications to be considered in addition to cost

The primary disadvantage of the design-build method is that it is sometimes viewed as a more expensive method. This method was initially considered for the Project in hopes of constructing this winter when water levels are projected to approach the historical low. Due to permits and approvals required for the Project, that timeline is not likely to be feasible. However, the collaboration benefits mentioned above still hold value. A tentative schedule for both options is shown in **Table 1**.

Black Water requests that the District consider which method best suits their needs. If design-build is selected, then Black Water will develop a bid package that will accompany the 35% design. A geotechnical investigation (see Section 3) needs to be performed for either option. If design-build is selected, then the Project may be bid as early as four months from authorizing the geotechnical investigation to be conducted.

3.0 Geotechnical Investigation

The Project includes installing pipe and footings on the lakebed of Lake McClure. Projects of this nature require a geotechnical investigation to explore the subsurface conditions of the project area. This information will inform the design of the pipe footings at a minimum. Black Water has obtained a scope of work (**Attachment 1**) for Crawford & Associates to perform a geotechnical investigation for the Project. The attached scope will need to be modified based on the most current project information, but closely reflects the scope of work needed. Black Water strongly recommends that a geotechnical investigation be conducted for the following reasons:

- If there are unknown factors, contractors are likely to bid higher
- Subsurface conditions can be extremely variable
- A geotechnical investigation will help prevent failure of associated project elements

The geotechnical investigation is recommended for the project regardless of bidding method selected. The attached scope of work only includes services to prepare necessary documents for bidding the project as a design-build. Additional geotechnical services will be required during the design-build phase of the Project. If design-bid-build is selected, then the scope of work will need to be modified to include additional services.

If you have any questions about the Project or technical memorandum, please email Christiana Giedd at <u>christiana@blackwater-eng.com</u>, or call (209) 733-0555.

Table 1 - Process Options

Process Options	07/22	08/22	09/22	10/22	11/22	12/22	01/23	02/23	03/23	04/23	05/23	06/23	07/23	08/23	09/23	10/23	11/23	12/23	01/24	02/24	03/24	04/24	05/24	06/24
Design - Bid - Build																								
FERC Approval																								
Other Permits																								
Geotech Investigation																								
Civil Design																								
Electrical Design																								
Structural Design																								
Electrical Procurement																								
Pump Procurement																								
Bid and Award																								
Construction																								
Project Closeout																								
Design - Build																								
FERC Approval																								
Other Permits																								
Geotech Investigation																								
Compile Bid Package																								
Bid and Award																								
Design Build											·					1			·	·				
Project Closeout																								

ATTACHMENT



Corporate Office: 1100 Corporate Drive, Suite 230 | Sacramento, CA 95831 | (916) 455-4225 Modesto: 1165 Scenic Drive, Suite A | Modesto, CA 95350 | (209) 312-7668 Pleasanton: 6200 Stoneridge Mall Road, Suite 330 | Pleasanton, CA 94588 | (925) 401-3515 Rocklin: 4220 Rocklin Road, Suite 1 | Rocklin, CA 95677 | (916) 455-4225 Ukiah: 100 North Pine Street | Ukiah, CA 95482 | (707) 240-4400

April 28, 2022

GEOTECHNICAL SCOPE OF SERVICES – R1 LAKE MCCLURE WATER INTAKE EXTENSION MARIPOSA COUNTY, CA

PROJECT UNDERSTANDING

Based on our discussion with Black Water and review of the proposed project, we understand that the Lake Don Pedro Community Services District is planning to extend the current water intake at Lake McClure to a deeper level to protect against potential low future water levels. A new water tank is planned where the current tank is located. Black Water will act as the owner's engineer for this design-build project.

The existing intake piping goes to about elev 700 feet ASL. The new structure will be extended to roughly elev 580 feet, which is also about 525 feet east of the current terminus and currently over 150 feet below water. Some of the installation will occur underwater.

The tank site is close to the Bear Mountain Fault zone, which divides two rock units: 1) volcanic and metavolcanic rocks that could be andesite and rhyolite flows. Greenstone, and/or volcanic breccia and 2) marine sedimentary and metasedimentary rock consisting of shale, sandstone, minor conglomerate, chert, shale, and/or limestone. Based on our site reconnaissance on April 28, 2022, at the tank pad, we expect up to about 8 feet of granular fill above the bedrock. On the slope, we observed and expect the rock to be within 2 feet of the surface and exposed at the surface in some areas. For the intake extension below water, we expect some sediment underlain by the sedimentary rock.

To act as the owner's engineer for geotechnical services for the proposed design-build project, Crawford & Associates, Inc. (Crawford), will drill borings on land (no over-water borings) and prepare two geotechnical documents. Crawford will provide a geotechnical data report to be included with the design-build bid package and a feasibility-level geotechnical memo that identifies key geotechnical features of concern for preliminary planning and cost estimating for the owner's team.

TASK 1:PROJECT MANAGEMENT, FIELD PREPARATION, COORDINATION,AND PERMITTING

For the intake extension, Crawford will:

- Perform project management duties for all tasks listed below,
- Coordinate with the design team to review the preliminary plans and discuss the project design needs, goals, and schedule,
- Review available published geotechnical and geologic data applicable to the project,
- Visit the site with the drilling subcontractor to plan the exploration details and to mark our boring locations for USA North, and
- Obtain the required County boring and encroachment permits.

TASK 2: SUBSURFACE EXPLORATION

Two borings are planned to obtain subsurface information along with two seismic refraction surveys above the lake water level for planning of the intake extension. A geologic reconnaissance of the slope and immediate area will also be performed to map the surface geology and obtain rebound hammer readings on rock outcrops that correlate to unconfined compressive strength.

Two borings will be drilled on land, one near the existing tank to approximately 25 feet deep and one on the slope above water to approximately 15 feet deep. Our Engineer/Geologist will direct the sampling and log the borings and we will generally sample at 5-ft intervals in the soil.

The borings will be advanced with a rubber-tired track-mounted drill rig using 4-inch-diameter rotary tooling. Standard Penetration Testing and California Modified sampling will be performed within the soil in the boring to obtain samples and blow count information. Rock coring will be performed to approximately 10 feet into rock. The borings will be backfilled in accordance with County requirements and the cutting will be left onsite.

Crawford also will perform two seismic lines on the slope to further define the depth to rock and rock velocities to help evaluate excavatability/rippability.

TASK 3: LABORATORY TESTING

Crawford will perform laboratory tests on soil drive samples and/or rock cores obtained from the exploratory borings, which could include, as appropriate: moisture content and unit weight, sieve analysis, Atterberg limits, and corrosivity tests (Minimum resistivity, pH, sulfate content, chloride content, and redox potential), direct shear, and unconfined compressive strength of rock.

TASK 4: ANALYSIS AND GEOTECHNICAL DOCUMENTS

Crawford will perform feasibility-level analysis for tank and intake pipeline foundations (shallow or anchored) and excavatability.

We will prepare a Geotechnical Data Report (GDR) for the proposed pipeline alignment including the following:

- Scope of services and project description.
- Regional and site geology, subsurface soil and groundwater conditions.
- Laboratory results.
- Recommendations for additional investigation for the design-build team.
- Limitations.
- Vicinity Map, Exploration Map with boring locations, Geologic Map, and Fault Map.
- Boring logs and laboratory test results.

We will also prepare a feasibility-level geotechnical memo for the owner's team that identifies key geotechnical features of concern for preliminary planning and cost estimating, that will include the following:

8

• Discussion of excavatability.



- A feasibility-level discussion of geotechnical features of concern.
- Feasibility-level recommendations for water tank foundation and intake pipe foundation type. Shallow foundations and ground anchors will be presented.
- Construction considerations.

DELIVERABLES: DRAFT & FINAL GDR DRAFT & FINAL GEOTECHNICAL FEASIBILITY MEMO

TASK 5: OWNER'S TEAM CONSULTATION AND REVIEW

Crawford will consult with the owner's team on geotechnical topics for planning.

ASSUMPTIONS

Our above scope of services assumes the following:

- Rights of entry will be provided.
- Geotechnical services during bidding and construction will be needed but are not included in this scope. A future scope and cost estimate for these services can be provided when requested.
- Drilling above the water level will not trigger the need for a Department of Fish and Wildlife Lake and Streambed Alteration permit, a Water Boards notification, or other environmental or agency permits.
- Wet weather may delay the fieldwork.

SCHEDULE

Obtaining the County drilling permit could take two weeks following authorization. Following the receipt of the permit, Crawford will begin field exploration within one to two weeks. The fieldwork for the project will take approximately two days to complete. Laboratory testing (following our fieldwork) will take approximately two to three weeks to complete. We will submit the draft Geotechnical Report to the design team within six weeks of our subsurface exploration.





Project Name: Lake McClure Water Intake Extension

Description:

County / City: Mariposa County, CA

						osal Date:			Α	pril 28, 20
	GEOTECHNICAL ENG	NEERING	SE	RVICES -	COST F	PROPOS	SAL			
TASK	CLASSIFICATION / SERVICES	HOURS / QUANTITY		RATE	UNIT	MULT	ę	UBTOTAL		TOTAL
ASK No. 1 - PI	M, Field Preparation, Coordination & Pern	nitting								
	Principal	8	\$	240.00	Hour	1	\$	1,920.00		
	Senior Project Manager	24	\$	200.00	Hour	1	\$	4,800.00		
	Senior Engineer / Geologist	4	\$	165.00	Hour	1	\$	660.00		
	Project Engineer II	4	\$	145.00	Hour	1	\$	580.00		
	Project Engineer I	16	\$	135.00	Hour	1	\$	2,160.00		
	Staff Engineer	8	\$	115.00	Hour	1	\$	920.00		
	Administrative Assistant	4	\$	90.00	Hour	1	\$	360.00		
	Permit Fees - drilling	3	Ψ \$	500.00	Cost	1.15	\$	1,725.00		
	Permit Fees - DFW LSA Permit	0	Ψ \$	3,558.50	Cost	1.15	\$	1,725.00		
		250	Ψ \$	0.65	Mile	1.15	\$	- 162.50		
	Mileage (Site visit, USA Marking)	250	φ	0.05	wile	I	þ		\$	13,2
SK No. 2 - SI	ubsurface Exploration							-	•	,
	Senior Engineer / Geologist	4	\$	165.00	Hour	1	\$	660.00		
	Project Engineer I	38	\$	135.00	Hour	1	\$	5,130.00		
	Per Diem (Fieldwork)	10	\$	150.00	Day	1	\$	1,500.00		
	Mileage (Fieldwork)	500	\$	0.65	Mile	1	\$	325.00		
	Drilling Rig & Crew	1	\$	10,000.00	day	1.15	\$	11,500.00		
	Steel Liners (MCAL/SPT)	4	\$	10.00	Each	1	\$	40.00		
	Seismic Refraction (12 Channel)	1	\$	1,300.00	day	1	\$	1,300.00		
									\$	20,4
SK No. 3 - La	aboratory Testing							-		
	Project Manager	1	\$	180.00	Hour	1	\$	180.00		
	Project Engineer I	2	\$	135.00	Hour	1	\$	270.00		
	#200 Wash	3	\$	110.00	Test	1	\$	330.00		
	Grain Size Analysis to #200	1	\$	150.00	Test	1	\$	150.00		
	Grain Size with Hydrometer		\$	245.00	Test	1	\$	-		
	Hydrometer Analysis		\$	210.00	Test	1	\$	-		
	Moisture & Density	6	\$	70.00	Test	1	\$	420.00		
	Direct Shear - 3 pt	1	\$	500.00	Test	1	\$	500.00		
	Plasticity Index	1	\$	250.00	Test	1	\$	250.00		
	Unconfined Compression (Rock)	3	\$	225.00	Test	1	\$	675.00		
	R-Value		\$	450.00	Test	1	\$	-		
	Corrosivity (pH, Res., Sulfate, Chloride, rec	do 3	\$	350.00	Test	1	\$	1,050.00		
SK No. 4 - E	ngineering Analysis							-	\$	3,8
	Principal	1	\$	240.00	Hour	1	\$	240.00		
	Senior Project Manager	4	\$	200.00	Hour	1	\$	800.00		
	Project Manager	-	Ψ \$	180.00	Hour	1	\$	-		
	Senior Engineer	8	Ψ \$	165.00	Hour	1	\$	- 1,320.00		
	Project Engineer II	8	φ \$	145.00	Hour	1	\$	1,160.00		
	Project Engineer I	0	э \$	135.00	Hour	1	э \$	-		
	Staff Engineer	4	φ \$	115.00	Hour	1	\$	- 460.00		
			Ŷ		nour		Ŷ		\$	3,9
<u>SK No. 5 - G</u>	DR and Geotech Feasibility Memo							-		,
	Principal	4	\$	240.00	Hour	1	\$	960.00		
	Senior Project Manager	16	\$	200.00	Hour	1	\$	3,200.00		
	Project Manager		\$	180.00	Hour	1	\$	-		
	,	24	\$	165.00	Hour	1	\$	3,960.00		
	Senior Engineer	24				1	\$	3,480.00		
		24	\$	145.00	Hour		-			
	Senior Engineer		\$ \$	145.00 135.00	Hour Hour	1	\$	1,080.00		
	Senior Engineer Project Engineer II	24								
	Senior Engineer Project Engineer II Project Engineer I	24 8	\$	135.00	Hour	1	\$	1,080.00		
	Senior Engineer Project Engineer II Project Engineer I Staff Engineer Administrative Assistant	24 8 8	\$ \$	135.00 115.00	Hour Hour	1 1	\$ \$	1,080.00 920.00 360.00	\$	13,9
<u>SK No. 6 - C</u>	Senior Engineer Project Engineer II Project Engineer I Staff Engineer Administrative Assistant	24 8 8 4	\$ \$ \$	135.00 115.00 90.00	Hour Hour Hour	1 1 1	\$ \$	1,080.00 920.00 360.00 -	\$	13,9
<u>SK No. 6 - C</u>	Senior Engineer Project Engineer II Project Engineer I Staff Engineer Administrative Assistant onsultations Principal	24 8 4 8	\$ \$ \$	135.00 115.00 90.00 240.00	Hour Hour Hour Hour	1 1 1	\$ \$ \$	1,080.00 920.00 360.00 - 1,920.00	\$	13,9
. <u>SK No. 6 - C</u>	Senior Engineer Project Engineer II Project Engineer I Staff Engineer Administrative Assistant	24 8 8 4	\$ \$ \$	135.00 115.00 90.00	Hour Hour Hour	1 1 1	\$ \$	1,080.00 920.00 360.00 -	\$	13,9

CRAWFORD & ASSOCIATES TOTAL \$ 61,947.50



Corporate Office: 1100 Corporate Drive, Suite 230, Sacramento, CA 95831 - (916) 455-4225 Modesto: 1165 Scenic Drive, Suite B, Modesto, CA 95350 - (209) 312-7668 Pleasanton: 6200 Stoneridge Mall Road, Suite 330, Pleasanton, CA 94588 - (925) 401-3515 Rocklin: 4220 Rocklin Road, Suite 1, Rocklin, CA 95677 - (916) 455-4225 Ukiah: 100 North Pine Street, Ukiah, CA 95482 - (707) 240-4400

2022 PROFESSIONAL & LAB RATES

PROFESSIONAL TITLE	RATE				
Principal	\$ 240.00				
Senior Project Manager	\$ 200.00				
Project Manager	\$ 180.00				
Senior Geologist / Environmental	\$ 165.00				
Senior Engineer	\$ 165.00				
Project Engineer II	\$ 145.00				
Project Engineer I	\$ 135.00				
Staff Engineer	\$ 115.00				
Administrative Assistant	\$ 90.00				
Field Technician (Prevailing Wage) **	\$ 145.00				
Concrete Technician (Prevailing Wage) **	\$ 135.00				
Laborer Technician (Prevailing Wage) **	\$ 115.00				

WORKING HOURS AND PREMIUM TIME

Working hooks and the monthle						
A Regular Workday is the first 8 hours between 6: Monday through Friday.	00 am to 6:00 pm,					
Overtime: Weekdays & Saturdays (first 8 hours)	1.5 x Hourly Rate					
Overtime: Saturdays (over 8 hours) and Sundays (first 8 hours)	2 x Hourly Rate					
Overtime: Sundays (over 8 hours) and Holidays	3 x Hourly Rate					
Night Shift: Work performed between 2:00 am and 4:00 am	15% / Hour Addt'l to Hourly Rate					

REIMBURSABLES

Mileage	\$ 0.65 / Mile
Outside Costs	15% Markup
Permit Fees (City/County)	15% Markup
Per Diem (Lodging & Meals)	County Rate

EXTRAS	
Rush Testing	50% Markup
(This guarantees your samples get top priority)	

Rates are applicable through Dec 31, 2022.

ESSIONAL & LAB RATES			
CONSTRUCTION/EQUIPMENT		RATE	DETAIL
Traffic Control (Major) DBE or PW	\$	2,500.00	DAY
Traffic Control Equipment (Minor) Non-DBE	\$	700.00	DAY
Seismic Refraction (12 Channel)	\$	1,300.00	DAY
Core Machine with Generator	\$	2,600.00	DAY
Core Machine Bit	\$	3.00	INCH
Core Box	\$	17.25	EACH
Hot Mix Asphalt Patching (1st Core)	\$	1,000.00	FIRST
Hot Mix Asphalt Patching (2 or More)	\$	500.00	EACH AFTER
Wildcat DCP Equipment	\$	750.00	DAY
Wildcat DCP Tip	\$	15.00	EACH
Survey Equipment (Tripod, Level, Rod)	\$	150.00	DAY
Survey Equipment (Liquid Level)	\$	150.00	DAY
Percolation Equipment	\$	150.00	DAY
Hand Auger	\$	150.00	DAY
Backfill	\$	8.00	BAG
Steel Liners (MCAL/SPT)	\$	10.00	EACH
Nuclear Density Test	\$	10.00	EACH
,	-		
Concrete Supplies	\$	25.00	PER POUR
CLASSIFICATION TESTING		410.05	
#200 Wash	\$	110.00	ASTM D1140
Grain Size Analysis to #200 (Sieve Analysis)	\$	150.00	ASTM D6913
Grain Size with Hydrometer	\$	245.00	ASTM D6913, D7928
Hydrometer Analysis	\$	210.00	ASTM D7928
Moisture & Density	\$	70.00	ASTM D2216, D7263
Moisture Content	\$	50.00	ASTM D2216, CTM 226
Non-Plastic Index Result	\$	125.00	ASTM D4318
Plasticity Index	\$	250.00	ASTM D4318
STRENGTH TESTING			
California Impact	\$	350.00	CTM 216
Compaction Curve (4" Mold)	\$	450.00	ASTM D698/D1557
Compaction Curve (6" Mold)	\$	500.00	ASTM D698/D1557
Compaction Curve Checkpoint (4" Mold)	\$	120.00	ASTM D698/D1557
Compaction Curve Checkpoint (6" Mold)	\$	120.00	ASTM D698/D1557
Compression (Rock)	\$	275.00	ASTM 7012
Compressive Strength of Cylinders (6x12)	\$	40.00	ASTM C39
Compressive Strength of Cylinders (4x8)	\$	37.00	ASTM C39
Direct Shear (CD 3pt) Peak Only	\$	500.00	ASTM D3080
Point Load (Rock)	\$	65.00	ASTM D5731
R-Value	\$	450.00	ASTM D2844, CAL 301
Triaxial Shear-UU	\$	175.00	ASTM D2850
Triaxial Staged-UU	\$	290.00	ASTM D2850
Unconfined Compression (Rock)	\$ \$	225.00 165.00	ASTM D7012 ASTM D2166
Unconfined Compression (Soil)	Ŷ	105.00	
CONSOLIDATION & EXPANSION	¢	200.00	ASTM D2425
1-D Consolidation	\$	380.00	ASTM D2435
1-D Consolidation (Time Rate) / Per Point	\$	75.00	ASTM D2435
Expansion Index	\$	260.00	ASTM D4829
CORROSIVITY TESTING			0714 447 499 945
pH, Resistivity, Sulfate, and Chloride Content	\$	240.00	CTM 417,422,643 CTM 417,422,643 and ASTM
pH, Resistivity, Sulfate, Chloride, and Redox Potential	\$	350.00	CIM 417,422,643 and ASIN G200M
PAVEMENT TESTING			
Asphalt Ignition Calibration	\$	460.00	CTM 382
Grain Size Analysis	\$	230.00	CTM 202
Percent Asphalt Ignition Oven	\$	145.00	CTM 382
Sand Equivalent	\$	130.00	CTM 217
Stabilometer Value	\$	225.00	CTM 366
Theoretical Max Specific Gravity/Density	\$	225.00	CTM 309
SEISMIC ANALYSIS	<u> </u>		
	\$	1,500.00	PER PROJECT
EZ Frisk Software Use			

RESOLUTION 2022-xx

RESOLUTION OF THE BOARD OF DIRECTORS OF THE LAKE DON PEDROCOMMUNITY SERVICES DISTRICT APPROVING DESIGN-BUILD CONSTRUCTION PROCESS FOR BARRETT COVE RAW WATER INTAKE PROJECT

WHEREAS, the Lake Don Pedro Community Services District (herein referred to as District) is a local government agency formed and operating in accordance with Section §61000 et seq. of the California Government Code; and

WHEREAS, to date 35% construction project design has been submitted to all appropriate agencies. All required permits for construction have also been submitted; and

WHEREAS, at 35% design completion, the project may either continue through the design-bid-build process by reaching 100% design, or it could be bid with Black Water Engineering facilitating the design-build process; and

WHEREAS, design-bid-build construction projects are designed by the engineer, put out to bid, and then constructed by the lowest bidding contractor. The benefits of this method are having an exact dollar amount known, however change orders will still arise; and

WHEREAS, design-build construction projects are bid at 35%, and a contractor engineer team is awarded the project and works together to accomplish the final design and construction of the project. The benefits of the design-build method are: expediting the project timeline, incentivizes value engineering, contractor best practices can be incorporated into the design, early collaboration on project solutions, and allows for other qualifications to be considered in addition to project expense; and

WHEREAS, the complexities associated with this project require flexibility in planning. The design-build method of construction enable LDPCSD to begin the construction portion of this project on a much expedited timeline

NOW, THEREFORE, BE IT RESOLVEDBY THE BOARD OF DIRECTORS OF THE LAKE DON PEDRO COMMUNITYSERVICES DISTRICT SHALL APPROVE DESIGN-BUILD CONSTRUCTION PROCESS FOR BARRETT COVE RAW WATER INTAKE PROJECT.

WHEREFORE, this Resolution is passed and adopted by the Board of Directors of the Lake Don Pedro Community Services District on August 5th, 2022, by the following vote:

AYES: () NOES: () ABSENT: () ABSTAIN: ()

Dan Hankemeier, President, Board of Directors

ATTEST:

Syndie Marchesiello, Secretary CERTIFICATE OF SECRETARY (STATE OF CALIFORNIA) (COUNTY OF MARIPOSA) I, Syndie Marchesiello, the duly appointed and Secretary of the Board of Directors of the Lake Don Pedro Community Services District, do hereby declare that the foregoing Resolution was duly passed and adopted at a Special Meeting of the Board of Directors of the Lake Don Pedro Community Services District duly called and held at the District office at 9751 Merced Falls Road, La Grange, CA 95239, on August 5th, 2022.