



Priest Lake Thorofare Improvements Project  
ITB 2020-001  
Addendum No. 2

- Mandatory Pre-Bid Meeting Presentation Slides
- Plan Holders List



**Idaho Water Resource Board**

**ITB No. 2020-001 Priest Lake Thorofare Improvement Project**

**Pre-Bid Meeting**

Presented by: Emily Skoro, Janet Garrett, and Shane Phillips

Date: June 23, 2020





**Priest Lake Thorofare Improvements Project  
ITB No. 2020-001**

**Mandatory Pre-Bid Meeting**

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State of Idaho  
ITB No.: 2020-001  
RFP Issue Date: June 18, 2020  
Pre-Bid Meeting Date: June 23, 2020  
Optional Pre-Bid Onsite Meeting Date: June 29, 2020  
Questions Due Date: July 6, 2020  
Proposal Closing Date: July 24, 2020





Pre-Bid Meeting June 23, 2020  
10:00 a.m. – 11:30 a.m. MDT

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ITB Lead – Emily Skoro representing the Idaho Water Resource Board (IWRB)

- Purpose of the Meeting:
  - Introductions
  - Project background
  - Project goals
  - Project scope overview
  - Discuss and highlight critical elements of the ITB bid documents and the submittal process



Pre-Bid Meeting June 23, 2020  
10:00 a.m. – 11:30 a.m. MDT

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Welcome and Overview of Invitation to Bid Process  
ITB Lead – Emily Skoro, IWRB

- Introduction:
  - State's procurement and contracting team
    - Janet Garrett, Purchasing Agent
    - Sascha Marston, Financial Officer
    - Meghan Carter, Deputy Attorney General
  - ITB IDWR representatives
    - Emily Skoro, P.E., Staff Engineer
    - Rick Collingwood, P.E., Staff Engineer
    - Neeley Miller, Senior Planner
  - Owner's Representative
    - Shane Phillips, PE, D.PE, D.CE with Mott MacDonald



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#### Project Background

- Project was initiated by the IWRB to evaluate means of improving operation of the Priest Lake and Priest River system to meet long-term water management objectives.
- Phase 1 - Study was completed in January 2018 and evaluated a range of feasible alternatives in consultation with stakeholders and the public.
- Phase 2 – Preliminary Engineering was completed in June, 2019 and was a continuation of the project including the selection of a final design concept, preliminary design, and regulatory permitting.
- Phase 3 – Final Design includes final design and bid solicitation.
- Construction is scheduled to commence in November, 2020, with completion by March 31, 2021.



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#### Project Goals

- Prevent sediment deposition in the Thorofare channel from the lake and adjacent shoreline
- Enhance self-sustainability of the Thorofare channel
- Improve marine navigation

Project Scope Overview – Shane Phillips with Mott MacDonald will now present the project scope and requirements.

# Priest Lake Water Management Project

Pre-Bid Meeting – Thorofare Improvements  
June 23, 2020

Prepared for



Prepared by



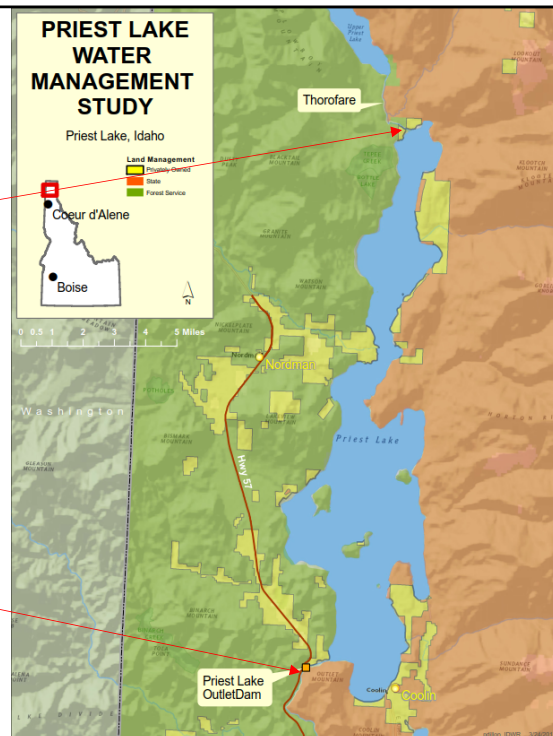
## Introduction & Background

## Project Areas

### Thorofare Improvement Project



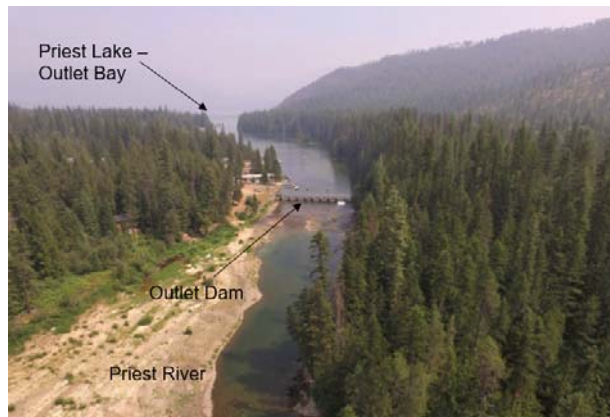
### Outlet Dam Improvement Project



3

## Project Background

- (1) Overall Water Improvement Project funded by IWRB
- (2) Project sites w/ separate bid packages



OUTLET DAM

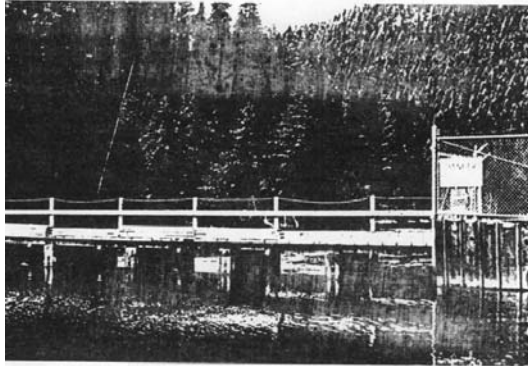


THOROFARE SITE

4



## Priest Lake History



### Outlet Dam

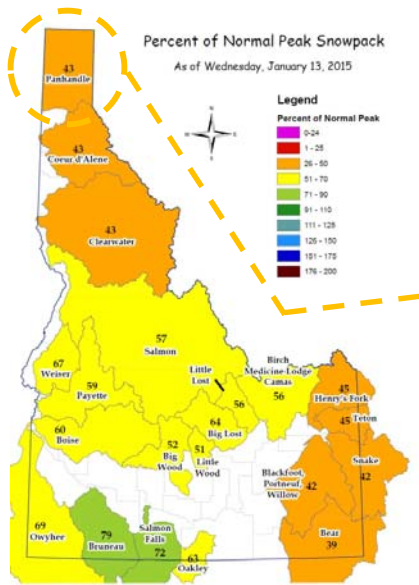
- Enhancements for Water Management
  - 1951 – Timber Dam
  - 1979 – Concrete Dam Reconstruction



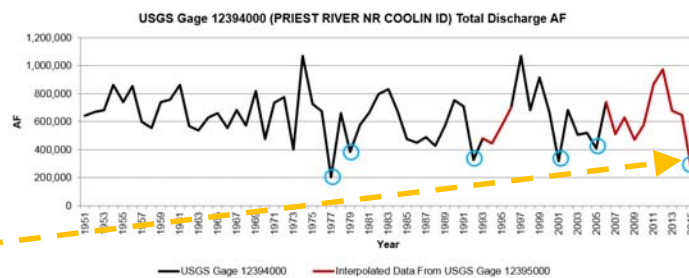
### Thorofare Uses

- 1930's – Dredging/Breakwater
  - Recreation
  - Industry – Timber, Mining

## The Problem – Low Snowpack



## Low Water Years



- More frequent low summer flow & drought conditions
- Considerations for climate change should be part of the alternative water management plan evaluation
- Criteria to be developed for low water years

## The Problem – Water Management



Water Shortage Dry Years

- 3' Lake Level Management
- 60 cfs Instream Flows Priest River

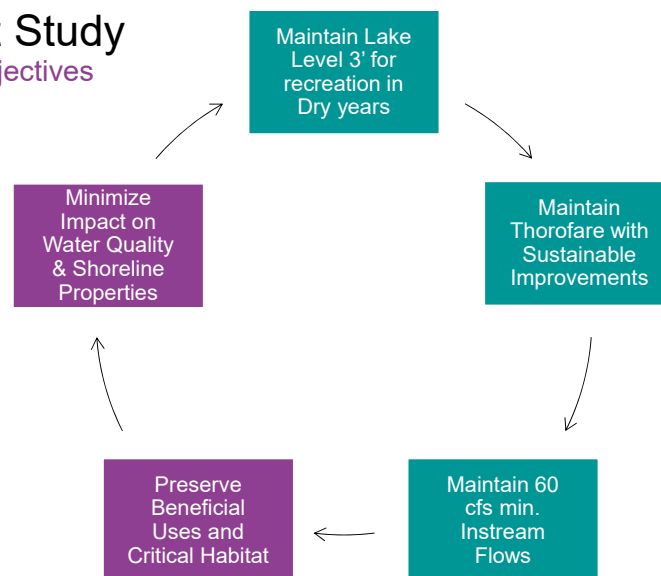


Navigable Access to Upper Priest Lake

- Thorofare Shoaling
- Loss of Navigation
- Erosion Protection
- Timber Breakwater Deterioration

## Priest Lake Water Management Study

Study **Criteria** & **Objectives**

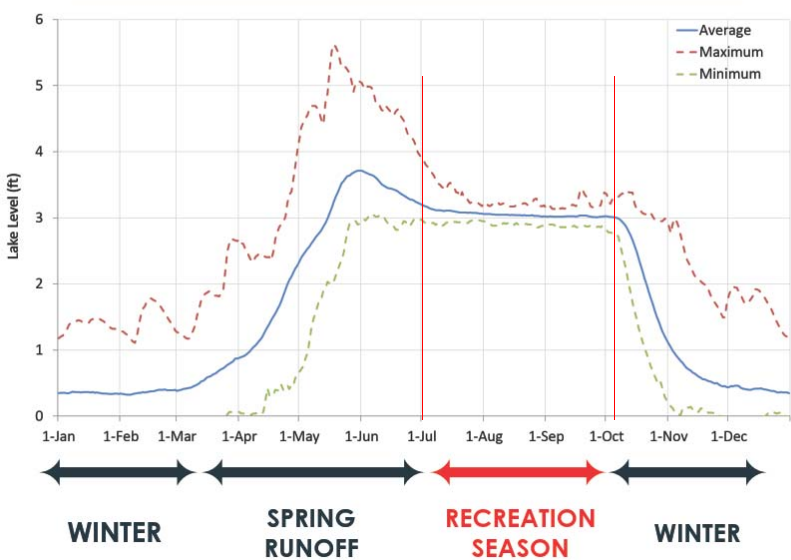




# Seasonal Water Levels

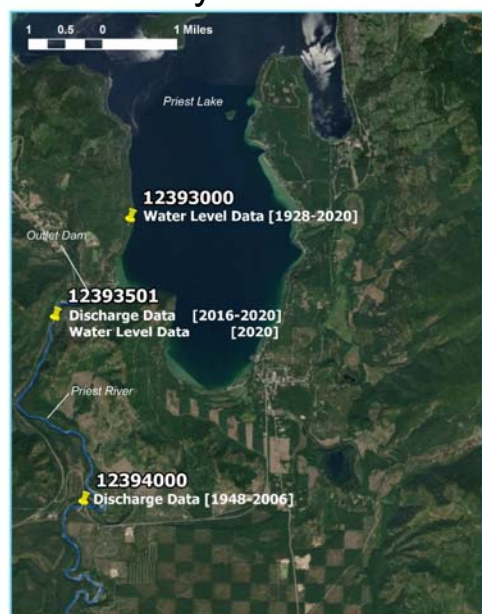
## ANNUAL LAKE LEVEL RUNOFF

- 3.0' Gage during Recreational Season



6/24/2020

# Data Availability



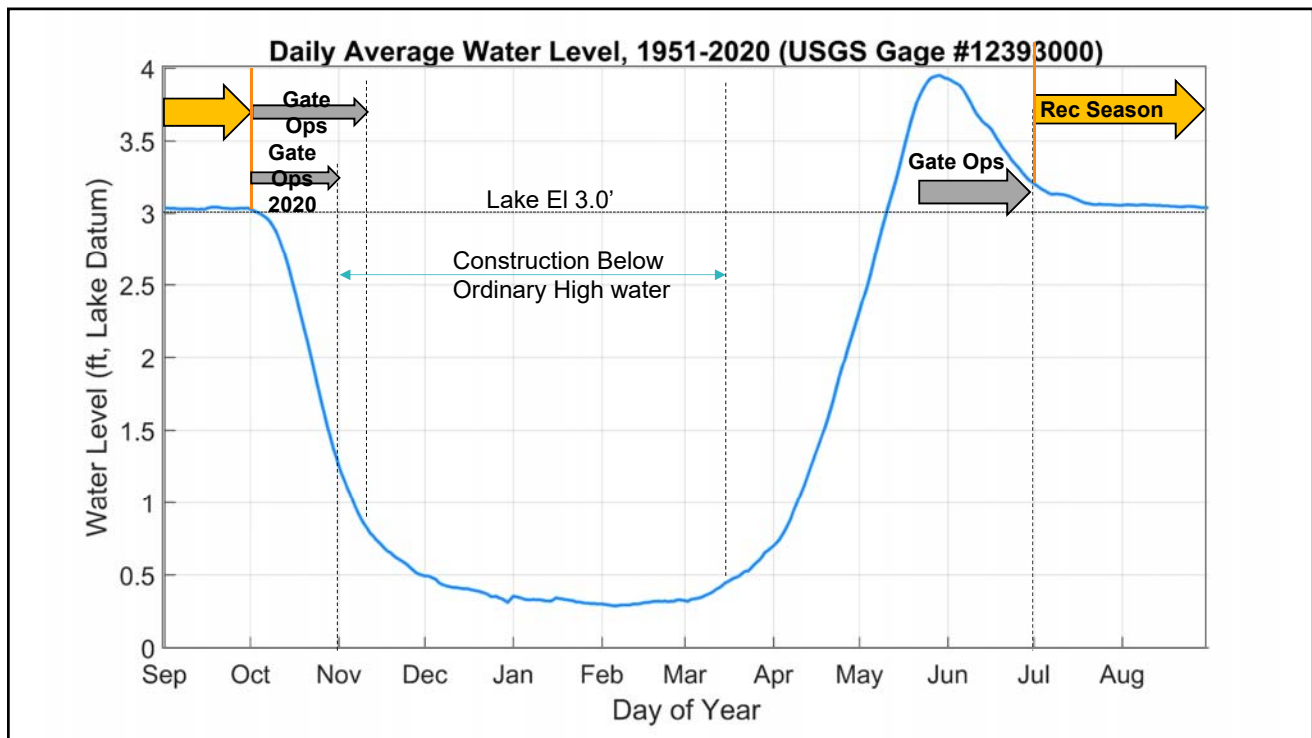
USGS GAGE LOCATIONS & AVAILABLE DATA



## Datum Conversion

NAVD88		(Lake Datum)
2442.19	+	3.5
2441.69	+	3.0
2438.79	+	0.1
2438.69	+	0.0

Flow data and reference location provided in Appendices



**M**  
**M**  
MOTT  
MACDONALD

Thorofare

## Project Overview – New Work

Existing Breakwater Demolition, Access Road, Stream Diversion & Water Management, New Stone Breakwater Structure, Dredging, Beneficial Re-use Dredged Materials (Aquatic & Upland), Surveying

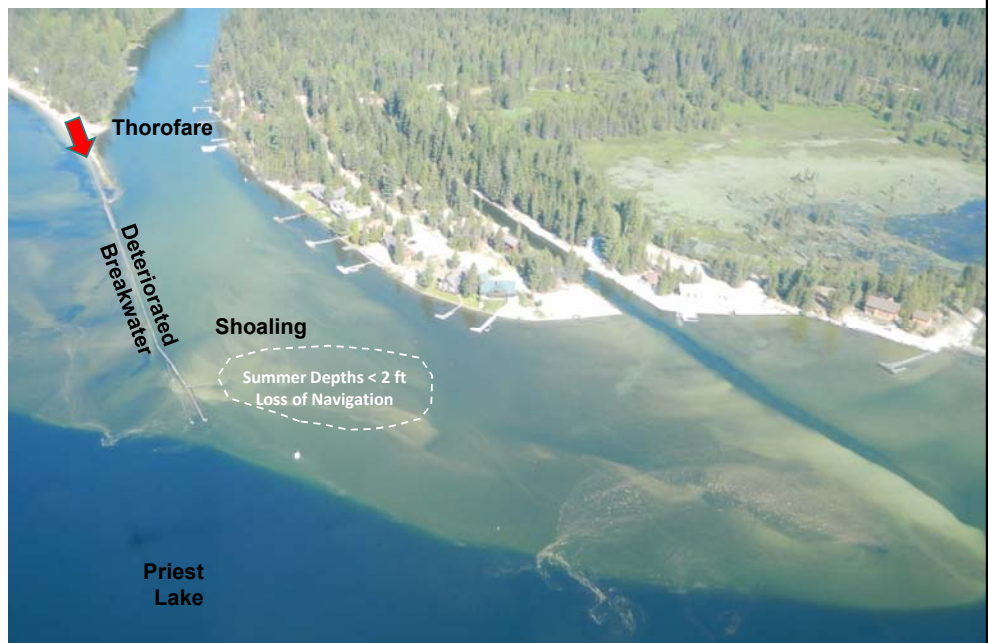


## Thorofare Conditions & Objectives

MAY 29, 2017

Objective: Provide sustainable navigation into Thorofare for access between lower and upper Priest Lake

Condition: Combination riverine and coastal processes





## Thorofare Conditions

November 19, 2018

Lake Level Unregulated ~ 0.5' gage



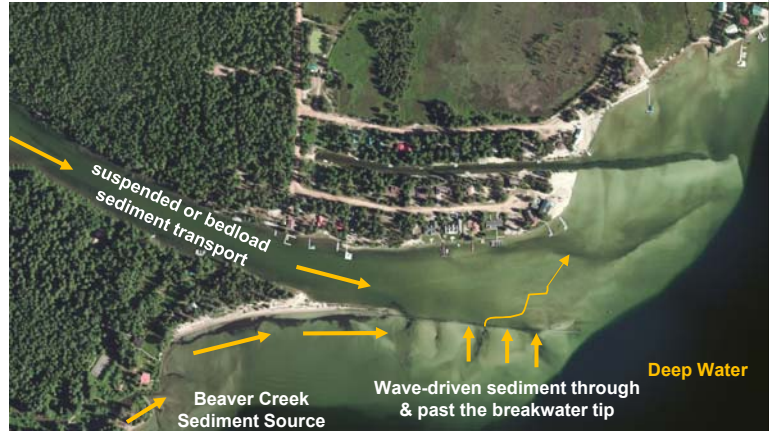
## Thorofare Conditions – March 2005

- Shallow sand bar at the mouth on 3/15/2005, WL = 0.33' USGS Lake Gage
- Significant flow spreading & flow cutting into the sand bar and underneath the breakwater



## THOROFARE GEOMORPHOLOGY

- Sediment deposition is result of decreased transport capacity as low-gradient Thorofare meets zero-gradient lake and flow spreading through the breakwater.
- Deposition has been accentuated by three factors at the mouth:
  - 1) Widening of Thorofare channel along Breakwater
  - 2) Reduced Thorofare discharge & velocity as water passes through or under existing timber breakwater
  - 3) Wind-driven sediments get pushed through and around the breakwater eastern end during periods of low Thorofare flow

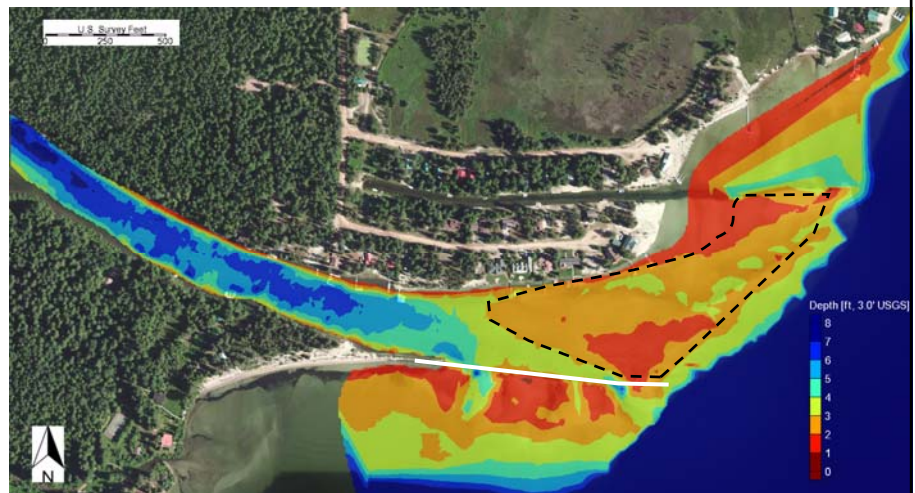


17

6/24/2020

## Thorofare & Lake Bathymetry

- Water depths at the Mouth outlined by black dashed line is mostly shallower than 3 ft, with many areas shallower than 1.5 to 2 ft
- Survey is circa 2017; additional shoaling has occurred since that time



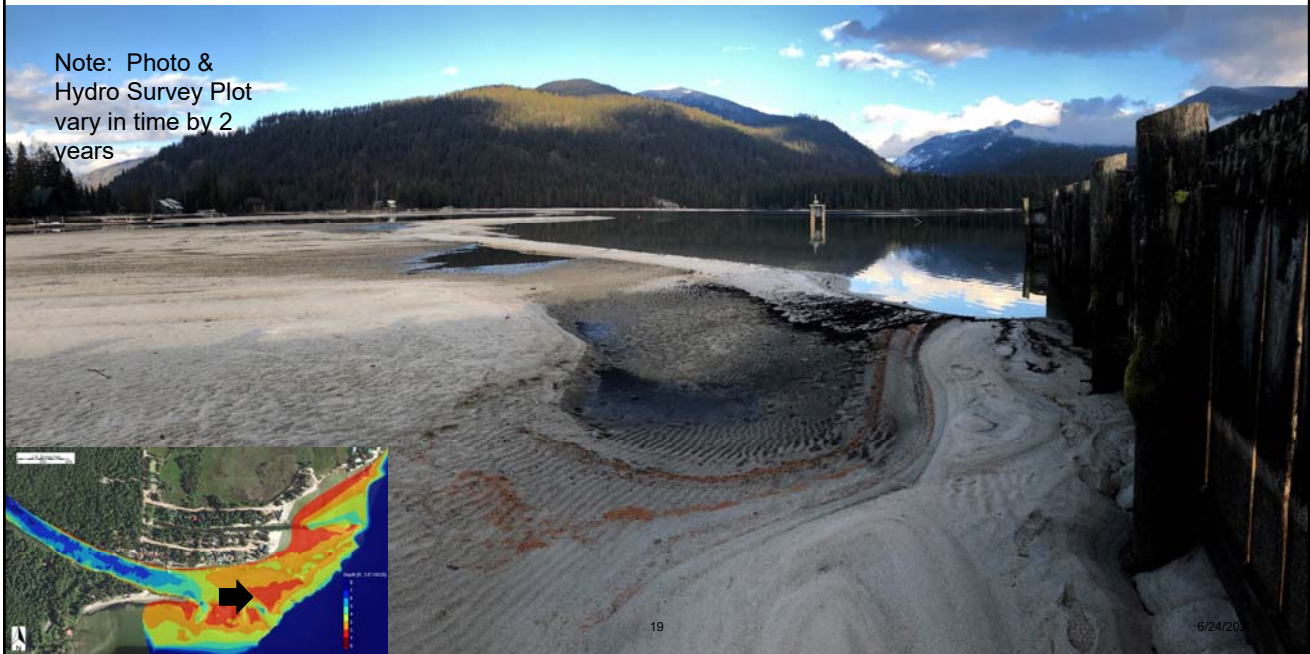
18

6/24/2020



## Low Pool Photo

Note: Photo &  
Hydro Survey Plot  
vary in time by 2  
years



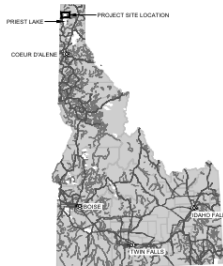
## Low Pool Photo

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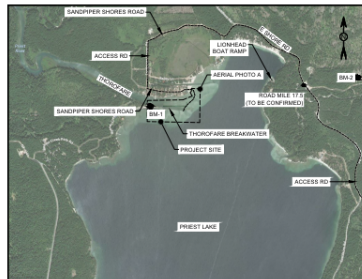




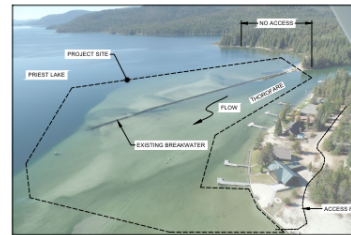
# PRIEST LAKE WATER MANAGEMENT PROJECT THOROFARE NAVIGATION IMPROVEMENTS



LOCATION MAP  
NOT TO SCALE



VICINITY MAP  
NOT TO SCALE



AERIAL PHOTO A  
NOT TO SCALE

SHEET INDEX	
SHEET NO.	TITLE
1	Cover Sheet
2	Overall Site Plan
3	General Notes
4	Site Access and Phase 1 Flow Diversion Plan
5	Site Access and Phase 2 Flow Diversion Plan
6	Ground Photos 1
7	Ground Photos 2
8	TEEC Notes
9	Overall Site Plan - TEEC
10	TEEC Details
11	Overall Site Plan - Proposed Work
12	Threshold Dredging Sections
13	Breakwater Plan 1
14	Breakwater Plan 2
15	Breakwater Sections 1
16	Breakwater Sections 2
17	Dredging Details

FOR BID

**M**  
MOTT  
MACDONALD

1801 5th Avenue  
Suite 300  
Coeur d'Alene, ID 83814  
T: (208) 778-6242  
F: (208) 778-6243  
M: (208) 778-6244



IDAHO  
DEPARTMENT OF WATER RESOURCES  
1801 Frank Church Drive, 4th Fl.  
P.O. Box 2025  
Boise, Idaho 83725  
P: (208) 333-4500  
F: (208) 333-4501  
E: (208) 333-4502



Project Number  
376907

Sheet  
1

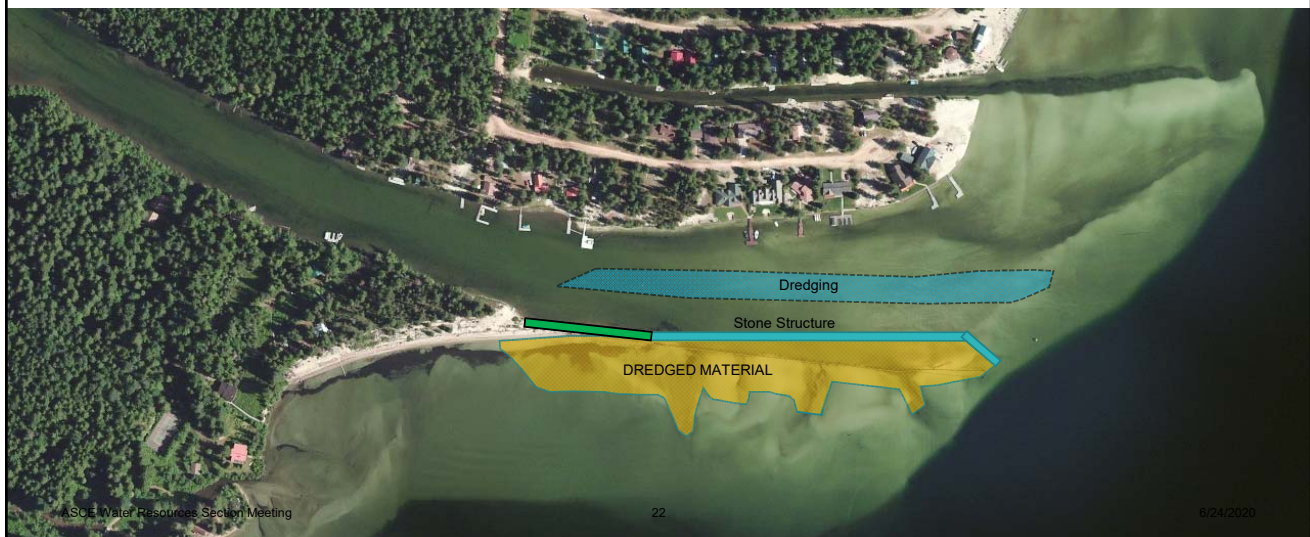
Total  
17

Designed: J. L. Latham  
Checked: T. L. Latham  
Drawn: J. L. Latham  
Scale: As Shown  
Drawing Number

Priest Lake Water  
Management Project  
Thorofare Navigation Improvements  
Cover Sheet

## Project Overview – New Work

Existing Breakwater Demolition, Access Road, Stream Diversion & Water Management, New Stone Breakwater Structure, Dredging, Beneficial Re-use Dredged Materials (Aquatic & Upland), Surveying

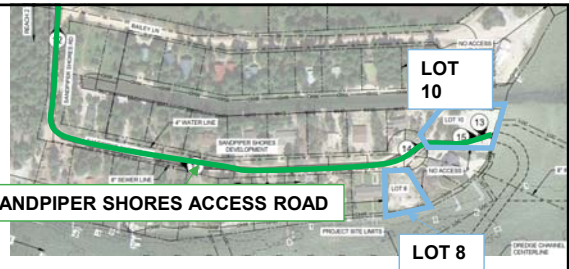


## Thorofare Access

ACCESS ROAD - SANDPIPER SHORES RD (LOOKING WEST)



- Access Road Precon survey requirements
- Utility Protection Requirements
- Bulkhead protection measures
- Road maintenance
- Snow Plowing
- Site restoration



CONSTRUCTION ACCESS POINT - LOT 10 (LOOKING NORTHEAST)



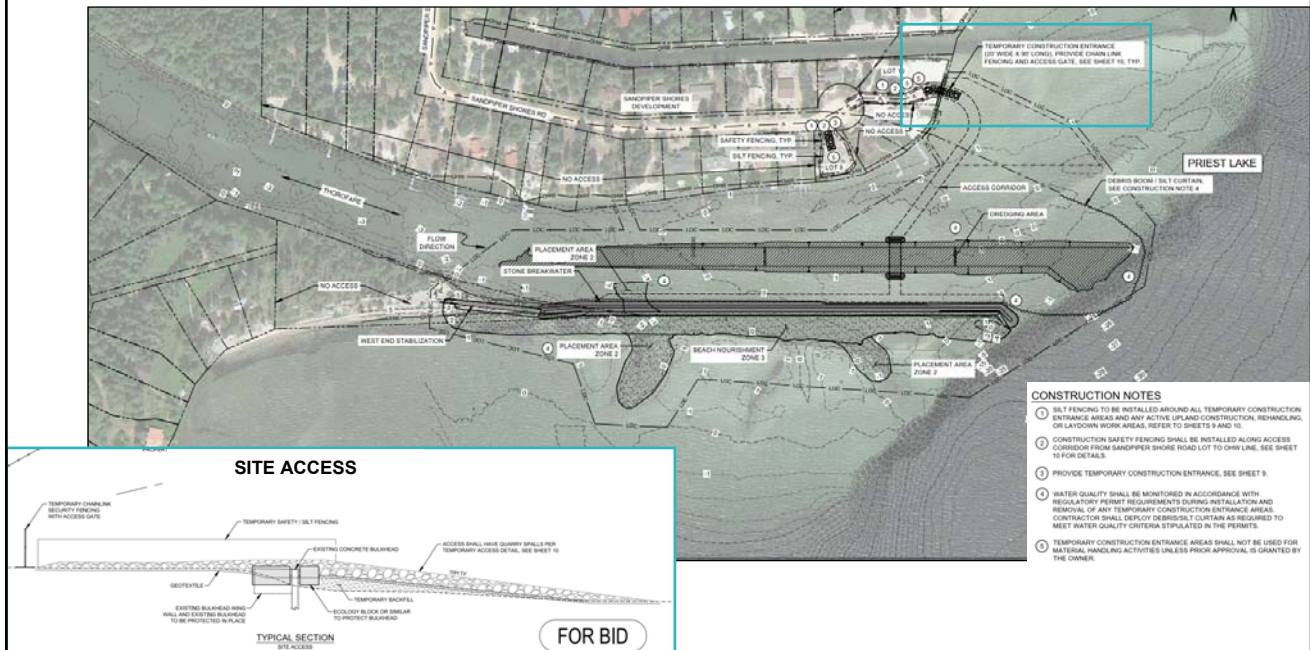
## Project Overview – Site Access

- Private HOA – Easement
- Utility Protection Requirements; Variable along route
- Access and use of lake bed allowable within the limits of construction – to be restored to pre-project conditions upon completion of work
- Low Water time period



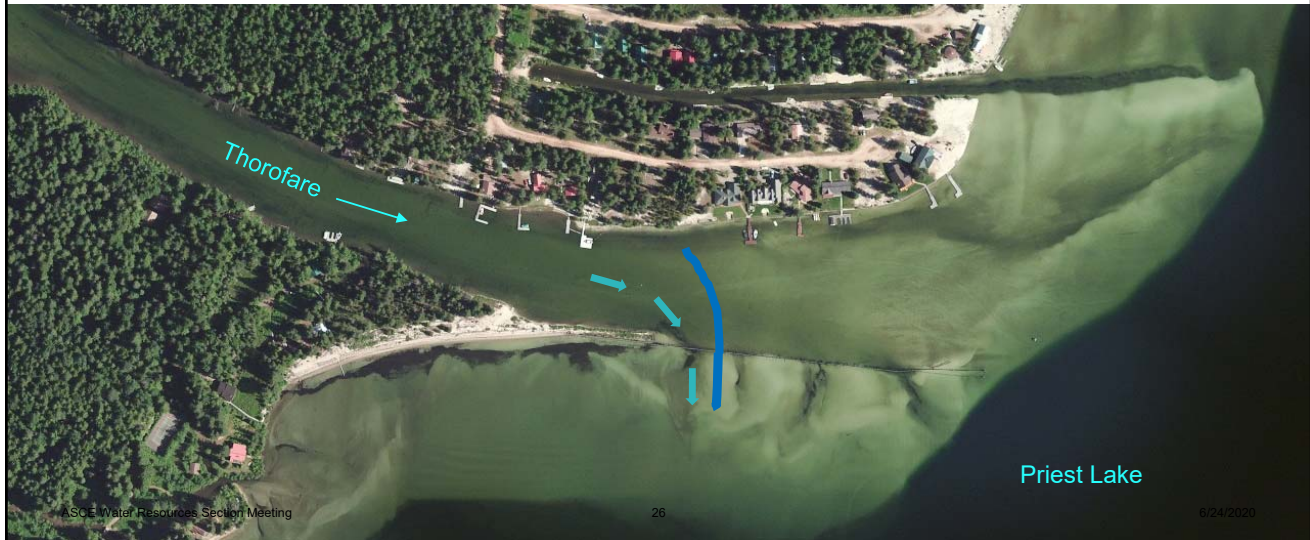


## Overall Site Plan



## Project Overview – Stream Diversion & Water Quality

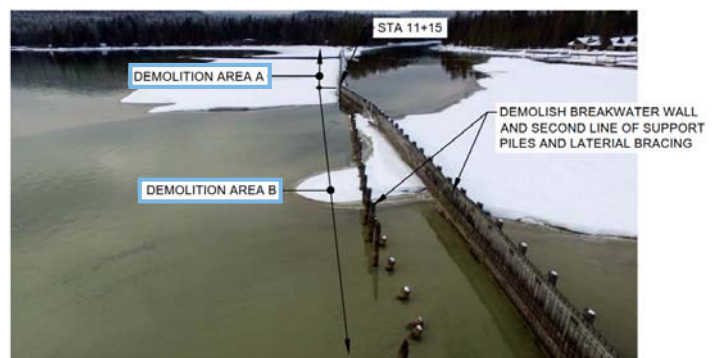
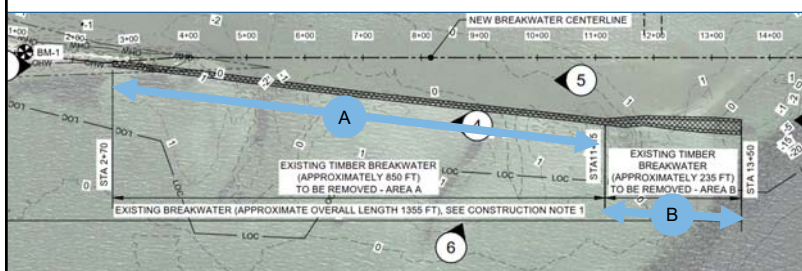
- Stream Diversion to ensure work is done not in flowing water condition
- Access and use of lake bed allowable within the limits of construction – to be restored to pre-project conditions upon completion of work



## Project Overview – Stream Diversion & Access

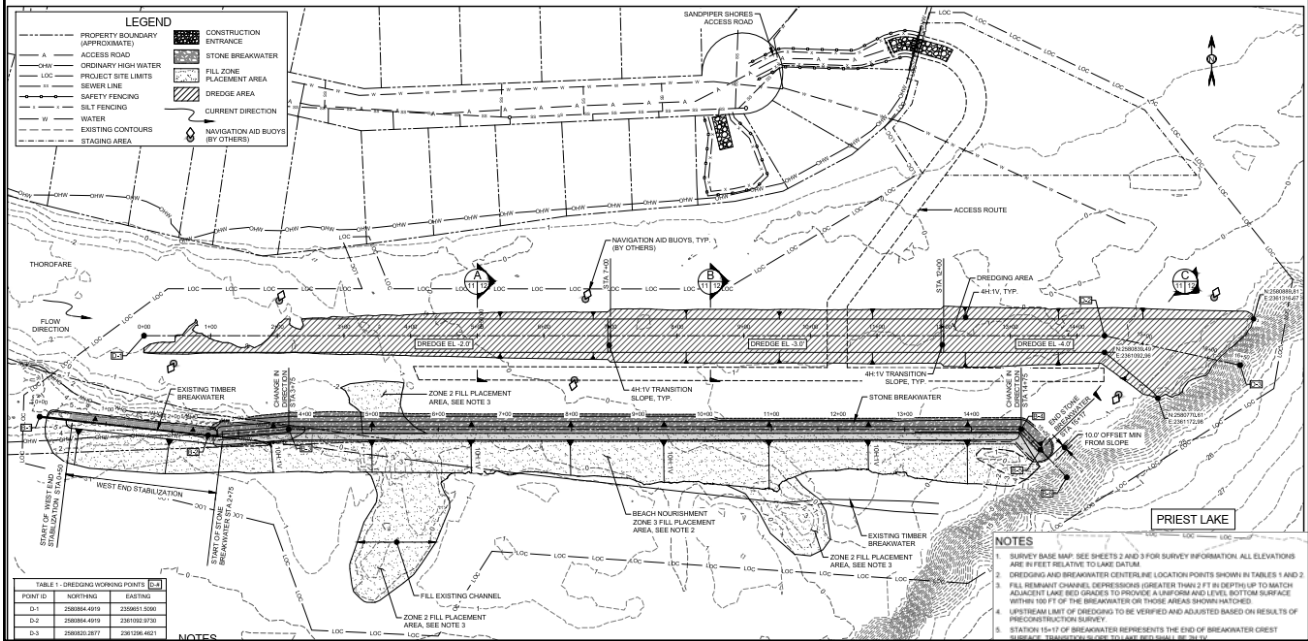


## Existing Timber Breakwater – Demolition



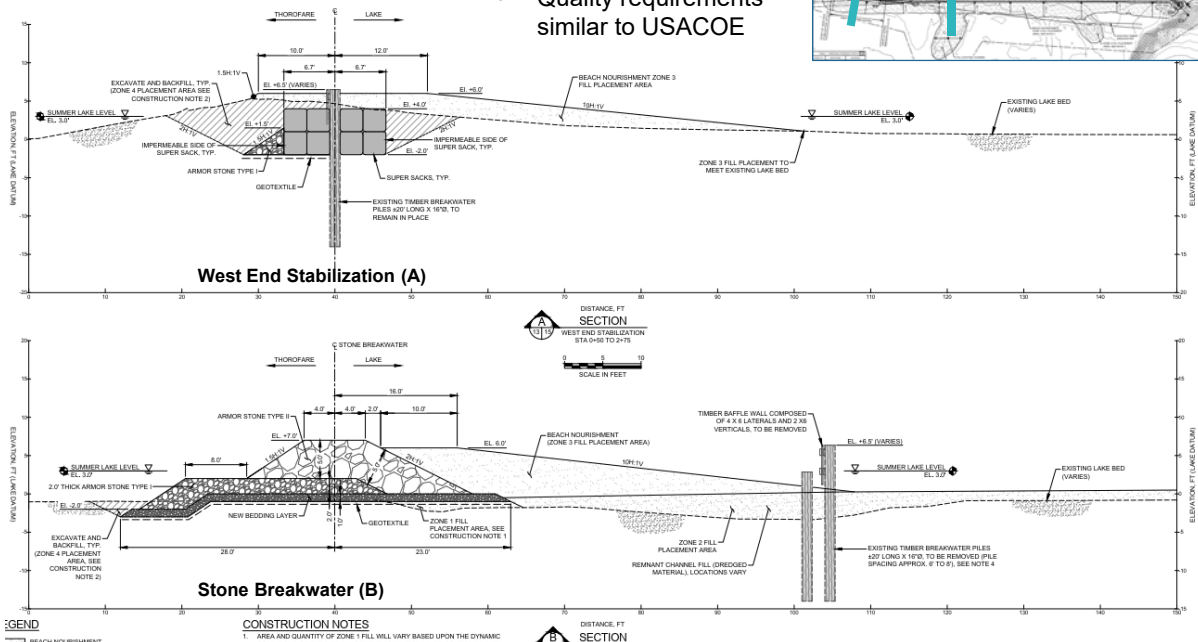
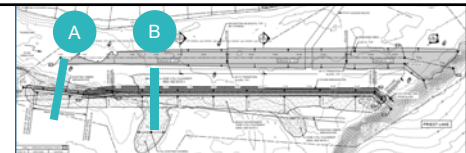


# Overall Site Plan – Proposed Work

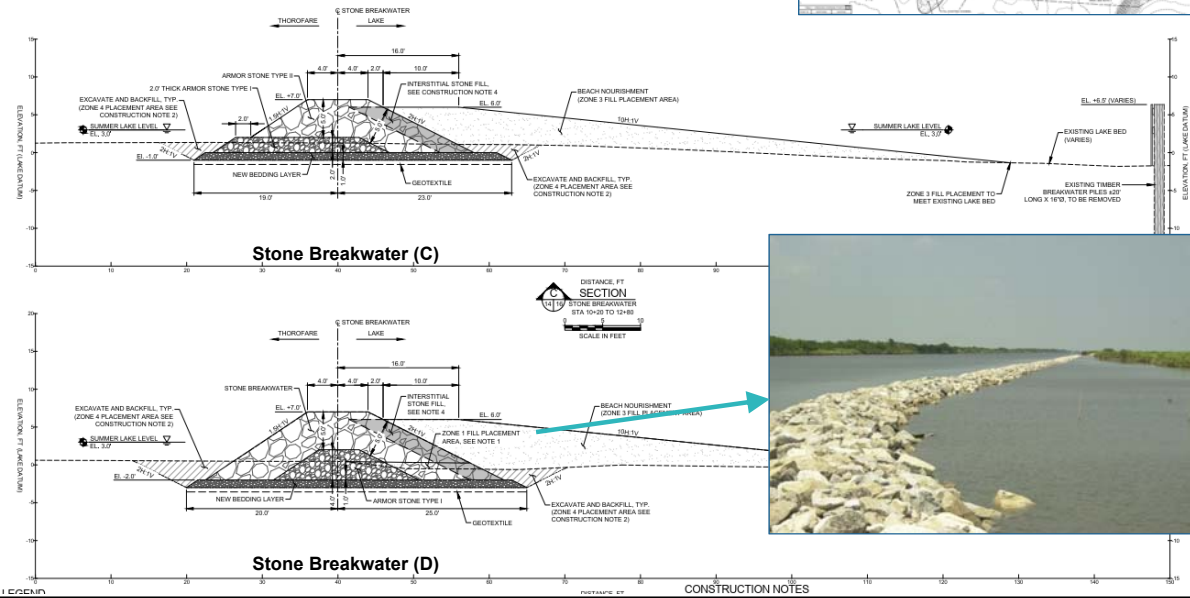


## Breakwater Sections

- Stone
- 3 gradations
- Quality requirements similar to USACOE

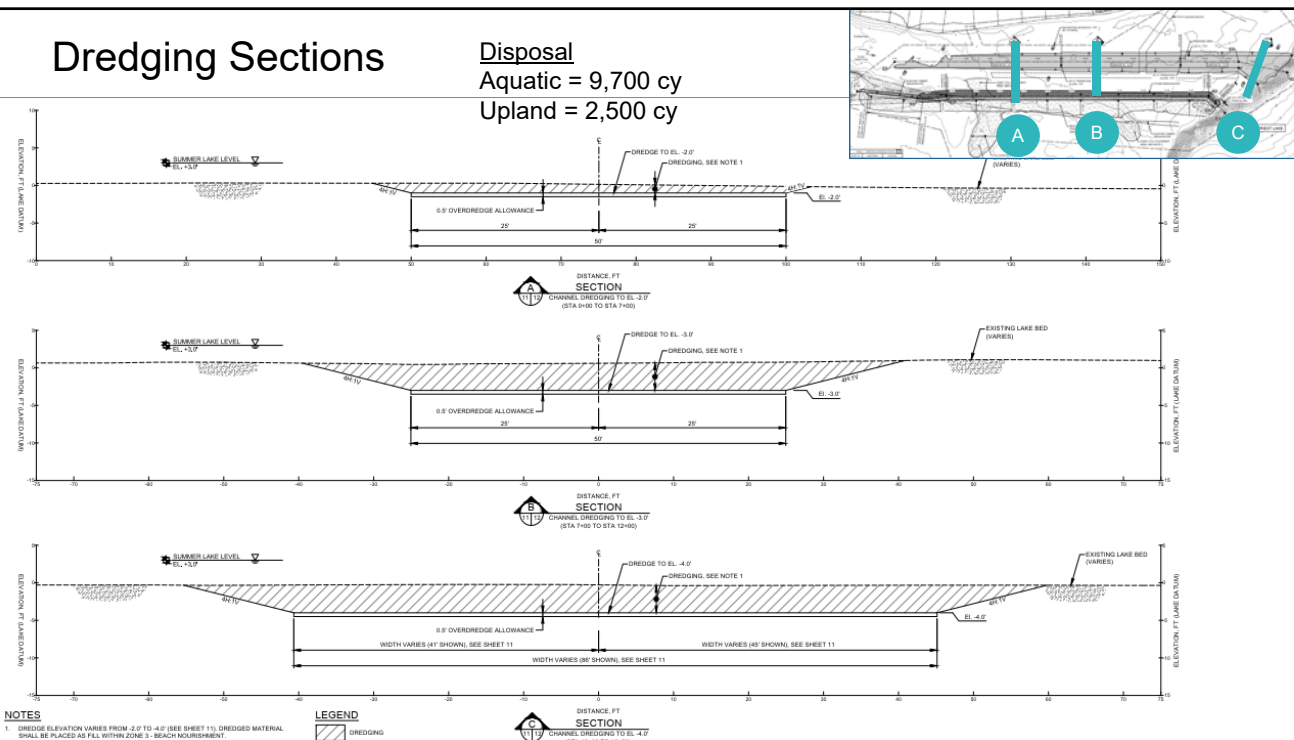


# Breakwater Sections



# Dredging Sections

Disposal  
Aquatic = 9,700 cy  
Upland = 2,500 cy





## Stockpiling and Placement Areas

- Lions Head
  - Boat Ramp – Trailerable boats only
- Huckleberry
  - Up to 800 cy dredged material
- Bear Creek
  - Temporary stone stockpile area



## REGULATORY PERMITTING



- Fish Recovery
  - No stranding of fish as part of stream diversion
  - No fish handling. Any fish observed during dewatering must be encouraged to leave the site voluntarily.
- Water Quality Monitoring
  - Turbidity Monitoring in Lake per water quality certification
- Onsite Aquatic vs. Upland Beneficial Re-use
  - Specified volume for transport offsite for upland reuse

# Priest Lake Water Management Project


Pre-Bid Meeting – Thorofare Improvements  
June 23, 2020


Prepared for



Prepared by








Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT


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ITB Bid Documents Review and Submittal Process

- The IWRB is seeking qualified and experienced respondents from interested firms to submit an ITB submittal package to complete the Priest Lake Outlet Dam Improvements Project
- ITB Critical Dates:

EVENT	DATE	TIME
Mandatory Pre-Bid Meeting	June 23, 2020	11:30 am – 1:00 pm MDT
Optional Onsite Pre-Bid Meeting	June 29, 2020	9 am – 11 am PDT
Questions Due Date	July 6, 2020	5 pm MDT
Project Addenda will be issuance no later than	July 17, 2020	5 pm MDT
Submittal Due Date and Submittal Opening	July 24, 2020	4 pm MDT







Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT

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ITB Bid Documents Review and Submittal Process  
Introduction to Bidders

- Fixed Price Construction Contract for the Project
- Individual bid items shall be on lump-sum and unit-price basis, and the award will be based on the lowest total Bid Price of the lowest, responsive, responsible, and qualified Bidder.
- Bid Documents: Available for download at <https://idwr.idaho.gov/solicitations/>
- It is the Bidder's responsibility to check for addenda prior to submitting a bid. A Bidder is required to acknowledge receipt of all addenda by identifying the addenda numbers in the space provided on the bid proposal form. Failure to do so may result in the bid being declared nonresponsive.





Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT

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ITB Bid Documents Review and Submittal Process  
Bid Requirements

- Bid Security of 5% of the bid is REQUIRED.
- All permits are the responsibility of the Contractor unless specified that it would be Owner provided. No extra time shall be allowed for completion of project due to failure to obtain approval of correct permits.
- Contractor shall commence its Scope of Work in accordance with the Notice to Proceed and complete its work by April 1, 2021.
- A Public Works Contractors License for the State of Idaho is required to bid on this work.





Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT

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ITB Bid Documents Review and Submittal Process  
Bid Forms that Require Signatures

- Bid Proposal Form
- Contractor's Affidavit Concerning Alcohol and Drug-Free Workplace
- Bidder's Acknowledgment Statement
- Bidder's Qualification Statement
- Bid Bond (bid security)
- Bidder's Checklist





Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT

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ITB Bid Documents Review and Submittal Process  
Bid Submittal Instructions

- Bids shall be submitted in a sealed envelope with the following clearly printed on the outside of the envelope: Project name and ITB No.; the name and address of the bidder; and a statement, such as “BID ENCLOSED” to indicate that it is a bid. When bids are mailed or shipped with hard copies, the sealed envelope containing the hard copy bid shall be enclosed in a separate mailing envelope with the notation “SEALED BID ENCLOSED” on the face thereof. If mailed, the mailing envelope shall be addressed as follows:

Idaho Water Resource Board  
Attn: 2020-002 ITB Lead  
322 E Front Street, Suite 648  
PO Box 83720  
Boise, ID 83720-0098



Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT


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ITB Bid Documents Review and Submittal Process  
Bid Submittal Instructions

- Electronic version of the bid may be submitted on a flash drive. If the bidder chooses to submit their bid on a flash drive, compile the bid into one pdf document.
- Late submissions will be rejected, will not be opened and will be returned to the bidder. No deviations will be allowed.
- It is anticipated that a contract will be executed on or around August 14, 2020, with in-water construction to commence on or around November 1, 2020. The Project is to be substantially complete by March 15, 2021.

\*Review the complete set of bid documents and technical specifications  
\*Review the complete set of bid documents and technical specifications  
\*Review the complete set of bid documents and technical specifications

**IDAHO**  
Water Resource Board



Pre-Bid Meeting June 23, 2020  
11:30 a.m. – 1:00 p.m. MDT


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ITB Bid Documents Review and Submittal Process  
Review of Project Drawings and Specifications

It is the responsibility of the Respondent to:

- Review the complete set of bid documents and compare them as needed, including with regard to any other work that is or may be under construction that might affect the Bidder or its work
- Review project site limitations and access
- Review to examine the site and local conditions
- Report via email any questions, errors, inconsistencies, or ambiguities in the bid documents to the ITB Lead

**IDAHO**  
Water Resource Board




**Opportunity to ask Questions**

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- Proposers participating in this meeting will have an opportunity to ask questions during the question answer portion of the meeting.
- If you have a question, raise your hand, state your name and the company you represent, and ask your question. Responses to all questions presented orally at this meeting is considered unofficial.
- If you are participating by teleconference, please write your name and question in the comment bar and you questions will be addressed during the question answer portion of the meeting as well.
- All questions that will have official responses are required to be submitted via email to [IDWR.purchasing@idwr.idaho.gov](mailto:IDWR.purchasing@idwr.idaho.gov).



**IDAHO**  
Water Resource Board




### Opportunity to ask Questions

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- Questions will be accepted until 5:00 p.m. MDT on July 6, 2020. Proposers shall be responsible to review the questions and answers posted on the IDWR website at <https://idwr.idaho.gov/solicitations/>.
- INTERESTED PROPOSERS ARE CAUTIONED NOT TO RELY ON ORAL RESPONSES PROVIDED BY THE STATE. ALL QUESTIONS AND OFFICIAL RESPONSES WILL BE PUBLISHED IN AN ADDENDUM.


**IDAHO**  
Water Resource Board



### Closing Remarks

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- Submit all questions prior to 5:00 p.m. MDT on July 6, 2020.
- Review the ITB thoroughly, and respond to all requirements.
- We appreciate your interest in meeting the needs of the State of Idaho.



## Plan Holders List-Priest Lake Thorofare Improvements Project

Strider Construction Co., Inc.
Quigg Brothers, Inc.
Advanced American Construction
Pacific Pile & Marine
Envirocon
Goodfellow Bros.
American Construction
N.A. Degerstrom, Inc.
Ronglins, Inc.
Crux Diving, Inc.
Syman Erosion & Sediment Control
Selland Construction
Northbank Civil & Marine
Missoula Plans Exchange
Halme Construction
Wm. Winkler Company
Builders Exchange of Washington, Inc.
TML Construction, Inc.
TCG, Inc.
Max J. Kuney Company
Ballard Marine Construction
IMCO General Construction
Versatile Industries, Inc.
C.E. Kramer Crane & Contracting, Inc.
Noble Excavating