

Task Order for Professional Engineering Services

To: Jesse Clark
General Manager
Reclamation District 2035

From: Davids Engineering, Inc.

Date: September 13, 2024

Project name: On-Call Services

Project #: 1092.04

Task name: 30% Preliminary Design of Lake Pump Station, 27 Return Pump Station, and 28 Pump Station

Task order #: 03

Davids Engineering, Inc. (DE or CONSULTANT) is pleased to provide this proposal to Reclamation District 2035 (RD 2035 or CLIENT) to prepare 30% preliminary designs, order of magnitude cost estimate, and Basis of Design Report to support future funding opportunities for construction of the Lake Pump Station, 27 Return Pump Station, and 28 Pump Station. Pursuant to the Task Order Agreement for Professional Services between CLIENT and CONSULTANT dated February 21, 2024, CLIENT desires and CONSULTANT agrees to perform the professional services according to the following terms.

1 Scope of Services

The scope of professional services to be performed by Davids Engineering is organized into four (4) tasks as described below:

- 1. Prepare 30% Basis of Design Report:** DE will produce a 30% basis of design report (BODR) with the following objectives: (1) develop a clear project description for use in the grant application, and (2) establish and memorialize design criteria for this 30% preliminary design effort and subsequent design efforts. DE will produce a draft version of the project description for RD 2035 to review. Once RD 2035 has reviewed the project description and provided comments, DE will revise the project description and make the final version available to RD 2035. DE assumes RD 2035 will review and provide comments on the draft project description within one (1) week of receiving it. DE assumes there will be (one) 1 virtual meeting with two (2) DE staff not to exceed one (1) hour in length to review the draft project description. DE will then produce the 30% basis of design report and incorporate the project description into the report.
- 2. Prepare 30% Preliminary Design Drawings:** DE will produce design drawings to the 30% preliminary design level. DE considers 30% preliminary designs to be conceptual in nature and identify only the major project components, design parameters, and criteria. DE will ask that RD 2035 provide any as-built drawings, flow data, and any other information relevant to the

existing pump stations as soon as possible upon receiving a notice to proceed. DE will utilize this information as the basis for the 30% preliminary design of the new pump stations. DE will source a pump design professional to perform a fatal flaws analysis on the draft 30% preliminary designs which will be incorporated into the deliverable. DE will also ask RD 2035 to provide a review of a draft version of the 30% design drawings that DE will then finalize following the CLIENT review. DE assumes the CLIENT review will take place during a meeting at the RD 2035 office not to exceed two (2) hours in length with two (2) DE staff.

3. *Prepare 30% Engineer's Estimate of Probable Construction Cost:* DE will prepare an Engineer's Estimate of Probable Construction Cost (EEOGCC) consistent with the 30% preliminary Design Drawings produced under Task 2. DE will source a pump design professional to provide estimated costs for the pumps and ancillary pump equipment. Any and all cost estimates prepared as part of this scope are order of magnitude cost estimates and subject to revision.
4. *Assist with preparation of grant application:* DE will assist with the preparation of the grant application on an as-needed basis and as requested by RD 2035. Assistance is assumed to be technical in nature and limited to recommendations related directly to the 30% preliminary design and Basis Design Report. DE is not responsible for preparing or submitting the grant application.

2 Deliverables

The following deliverables will be provided to RD 2035 in electronic format:

1. 30% Basis of Design Report
2. 30% Preliminary Design Drawings
3. 30% Engineer's Estimate of Probable Construction Costs

3 Assumptions

The following assumptions were made while developing this proposal. To the extent that these assumptions do not hold true, the effort and therefore the cost and schedule required to perform the professional services could be affected.

1. Deliverables will be provided to CLIENT in electronic format.
2. CLIENT shall provide DE with all landowner(s) contact information as may be required.
3. CLIENT will provide required information requested by DE in a timely manner.
4. CLIENT will provide to DE all relevant data and information (electronic and/or hard copy) in its possession at project initiation in response to Task 1.
5. All design work completed as part of this scope will be preliminary in nature.
6. Task 4 is based on an assumed level of assistance necessary to support preparation of a future grant application and is based on past experience. Should additional support be required the budget for Task 4 will require augmentation.
7. Any and all work performed under this proposal shall be on a time and materials basis consistent with DE's rate schedule then in effect.

8. Anything outside the scope set forth herein will result in additional fees consistent with DE rates then in effect.
9. CLIENT agrees that professional services set-forth in this Task Order do not constitute final design and shall not be used for construction of the Project.
10. Completion of the work set-forth in this Task Order doesn't guarantee award of grant funding.
11. CLIENT will provide one set of consolidated track change comments on all draft deliverables and there will be only one round of revisions.
12. No cultural or environmental surveys will be completed as part of this work.
13. No boundary resolution shall be provided as part of this work.
14. CLIENT will coordinate site access for all fieldwork.
15. One (1) virtual and one (1) in-person meeting are included as part of this work. The virtual meeting will include up to two (2) DE staff, is limited to one (1) hour in length, and will cover review of the project description. The in-person meeting will include up to two (2) DE staff, is limited to two (2) hours in length, and will include review of the draft 30% preliminary designs.
16. Any and all cost estimates prepared as part of this scope are order of magnitude cost estimates and subject to revision.
17. DE shall not and cannot be held liable for non-participating landowners.
18. DE reserves the right to augment the DE Team with additional team members and remove team members as may be required to facilitate successful Project completion.

4 Schedule

DE proposes to complete all work by November 1st, 2024. Work will progress to meet milestones on a timeline as defined in Table 1. Delays in the notice to proceed from RD 2035 will result in corresponding delays or shifts to the subsequent milestones. Schedule implications or deviations from the milestone dates that occur during the work will be made known to RD 2035 as soon as practicable.

Table 1. Task order milestones and milestone dates.

Milestone	Milestone Date
Notice to Proceed	9/23/2024
Draft 30% Project Description	9/27/2024
Draft 30% Design Drawings	10/15/2024
30% Design Drawings, EEO/PC, and BODR	11/1/2024

5 Costs

CONSULTANT costs associated with performing this task order will be billed to the CLIENT on a time and materials basis not to exceed \$79,808 without prior written authorization (Table 2). While estimated costs are based on a detailed task-by-task buildup, actual project costs will not necessarily be tracked on a task basis, nor will individual task budgets constrain charges for work performed up to the total estimated budget.

Table 2. Task order cost summary.

Task Number	Task Name	DE Labor Cost	Sub - Contractor Cost	Direct Cost	Estimated Total Cost
1	Prepare 30% BODR	\$14,859	\$0	\$0	\$14,859
2	Prepare 30% Preliminary Design Drawings	\$37,719	\$5,000	\$228	\$42,947
3	Prepare 30% EEOGCC	\$7,002	\$5,000	\$0	\$12,002
4	Assist with Preparation of Grant Application	\$10,000	\$0	\$0	\$10,000
Totals		\$69,580	\$10,000	\$228	\$79,808

6 Task Order Signatures

Approved for CLIENT

Accepted for Davids Engineering, Inc.

Signed: 

Signed: 

Name: JESSE CLARK

Name: John B. Davids, P.E.

Title: GENERAL MGR-RD2035 Title: Principal Engineer

Date: 9/16/24

Date: 09/17/2024