



County of Sacramento

May 24, 2019

Subject: Request for Proposals, Consulting Services for Commercial Waste Building Design at North Area Recovery Station (NARS)

The Sacramento County Department of Waste Management and Recycling (DWMR) is pleased to issue this request for proposals to provide consulting services for the design of a Commercial Waste Building at NARS. All work would be performed on a time and materials, not-to-exceed, basis. DWMR anticipates awarding a professional services agreement to the successful proposer in the summer of 2019. Proposals are due July 11, 2019.

Intent and Purpose

DWMR is soliciting proposals from qualified firms to provide design consulting services at NARS. The anticipated scope of services will consist of assisting DWMR with the design of an enclosed commercial waste building and its supporting infrastructure. The design will require a geotechnical design of ramps and a trench adjacent to the new facility, a trench drain storm sewer design, and design of an air filtration system to treat odors from the building. The enclosed commercial waste building will receive both organic wastes and commercially collected municipal solid waste (MSW).

DWMR staff shall issue task orders for all work to be performed under this contract. The initial contract period will be for approximately three years.

Background

NARS is located at 4450 Roseville Road, North Highlands, and it has operated since 1972 as the sole, full service solid waste drop-off facility in northern Sacramento County. NARS is open 7 days a week. The County substantially remodeled the site in 1988, and remodeled again with new recycling and entrance improvements on land acquired from the Air Force in 1998-2000.

To address the greater Sacramento region's increase in waste quantities and California regulations, DWMR is planning additional improvements at NARS. Among the planned improvement are:

- 1) constructing a Commercial Waste Building,
- 2) constructing ramps and a trench for the Commercial Waste Building,
- 3) and, supporting infrastructure.

The Commercial Waste Building is required to be operational by Fall 2021 in order to prepare for compliance with SB 1383 diversion requirements. As such, DWMR wishes to presently begin design development of the Commercial Waste Building and its supporting infrastructure. The transfer station will be sized to serve generator-separated commercial solid waste streams, including MSW and

organic waste. The commercial MSW will be handled separately from the organics in the same building with separate load-out ports. The load-out ports will be gravity type systems whereby the parked transfer trailer beneath the building is filled by a front-end loader operating on the floor above, pushing materials through an opening/chute located in the floor of the building. Due to current site space restrictions, the new commercial waste building and trench layout is limited to the approximate area presented on Figure 1. The building may need to be larger in the later years to address future demands.

DWMMR also plans to construct a trench adjacent the new Commercial Waste Building along the southern boundary of the site. The trench will allow gravity top loading of transfer trucks from the facility at load bay locations. Owing to space constraints ramps are anticipated to be supported by vertical retaining walls along both sides of the roadway trench. The trench will also require a pumped storm sewer system designed to be robust against clogging in consideration of adjacent waste operations.

The odors from the concentrated organic waste inside the building will require an odor collection and handling system. The building should be under and direct odors to a biofilter or equivalent air filtering system. The design report will include reasoning for the air filtering choice.

The commercial waste building design shall also account for any site electrical constraints and/or identify additional power requirements. Existing operations conducted at NARS must remain functional during any proposed construction.

Preliminary Project Schedule

Task	Year
Preliminary Design and Planning	2019 – Summer 2020
Bidding and Project Award	Summer 2020
Construction	Fall 2020 – Fall 2021
Operational Status	Fall 2021

Based upon the short timelines of this project, time is of the essence.

Scope of Work

DWMR is seeking a firm that is experienced in transfer station design and is capable of providing the engineering design and support services needed to assist through the process of constructing the proposed improvements. DWMR anticipates the scope of work for the successful consultant will include the following tasks:

Task 1 – Conceptual Design

The consultant shall assist DWMR with preparation of the conceptual design for the transfer station and its infrastructure. The consultant will be expected to review the site space restrictions, preliminary building and trench layouts, and analyze changes that might improve the efficiency of the projects. Specific issues that DWMR would like analyzed include: Waste Management Specialist, Structural Design, Geotechnical Characterization, Electrical Demand Assessment, Infrastructure Assessment, Building Air Filtration System Evaluation, Trench Storm Sewer Design and Construction Phasing Accessibility Issues.

Task 2 – Project Design

The consultant shall prepare a design and contract documents for the proposed projects. Deliverables shall include design drawings, technical specifications, bid documents, and a project cost estimate. DWMR will review and comment on drafts of all deliverables.

Task 3 – Design Reports

The consultant shall prepare project design reports for the commercial waste building, air filtration system, transfer truck trench and the transfer truck storm sewer. The reports shall present basic design assumptions and calculations supporting the sizing and design of the features.

Task 4 – Bid Support

The consultant shall support DWMR staff during the project procurement process. The consultant shall: attend the pre-bid conferences, respond to requests for information, and assist in issuing amendments to bid packages.

Task 5 – Construction Support

The consultant shall support DWMR staff during the project construction. The consultant shall: attend project meetings on an as-needed basis, respond to requests for information, review project submittals, and assist in issuing field instructions.

Task 6 – Record Drawing Preparation

The consultant shall prepare electronic record drawings of the completed projects. The consultant shall utilize “as-built” information submitted by the project contractor, surveyor data, and DWMR generated data to create accurate electronic project record drawings.

Contact Information and Information Requests

DWMR is committed to a fair, open process for proposing firms to receive information about the Project. All questions concerning this procurement process must be submitted by electronic mail to the Project Manager:

Peter Hoseit, P.E.
Associate Civil Engineer
Department of Waste Management and Recycling
9850 Goethe Rd. Sacramento, CA 95827
916-875-1563
hoseitp@saccounty.net

All questions must be submitted no later than June 26, 2019. At DWMR's discretion, the Project Manager may or may not answer the specific questions asked. Questions deemed appropriate for response will be distributed, along with their respective responses, to all proposing firms and the questioning proposing firms will not be identified.

Proposing firms wishing to review technical information about NARS are invited to do so. Contact the Project Manager to arrange a time to review DWMR documents.

Pre-Proposal Conference

A pre-proposal conference will be held to allow the proposers to meet with DWMR staff, ask technical questions, and tour the facility. The pre-proposal conference is scheduled for June 19, 2019 at 10:00 AM at the public restroom parking lot, 4450 Roseville Road, North Highlands 95660.
Google Maps: 38.648860, -121.392779

Proposal Format

The proposal shall at a minimum contain the following:

1. A description of the firm's qualifications and experience related to the proposed scope of work. Include client references for these projects.
2. A description of the proposed team that would work on this DWMR project. Resumes for each team member must be included and should be limited to three pages in length.
3. A description of the firm's approach to the proposed scope of work.
4. A proposed schedule for performing the proposed scope of work, including a projection of staffing resources to meet this schedule, and
5. A cost estimate for each project task and a proposed billing schedule for labor, materials, and other expenses.

Proposal Submittal

The proposal shall be submitted electronically to the Project Manager prior to 4:00 PM on July 11, 2019.

Proposal Evaluation

Proposals will be evaluated on the following factors:

1. Firm's project approach
2. Firm's and team member qualifications and experience,
3. Responsiveness to the RFP and project goals, and
4. Best value of services.

The DWMR may elect to interview proposing consultants prior to awarding a contract. If interviews are conducted, the final selection of a consultant will be based on results of both the proposal review and interviews. The Department of Waste Management and Recycling reserves the right to reject any and all proposals.

DWMR looks forward to receiving your proposal.

Sincerely;


Peter Hoseit, P.E.
Associate Civil Engineer



Figure 1 NARS Site Plan and Proposed Location of Commercial Waste Building and Trench