



Port of Juneau

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From: Matthew D. Sill, P.E. Port Engineer, CBJ Docks and Harbors
To: **PROPOSER**
Date: July 12th, 2023
Re: Harris Harbor Gate Design and Fabrication Solicitation

The City and Borough of Juneau Docks and Harbors (D&H) seeks quotes for the procurement of an aluminum security gate and gateway structure to control access to the Harris Harbor gangway in Juneau Alaska.

The site where the structure will be installed consists of a pile-supported approach dock with 4x timber decking and 12x timber bullrails. Attached to the outside of the bullrail there is a steel and wood handrail. The bullrails and handrail will stay in place for the installation of the structure. A timber covered waiting area and bulletin board will also stay in place, unless it is necessary to remove. Photos 1-3 depict the installation location.



1: Approach Dock looking South.



2: Approach Dock looking North



3: Approach Dock looking seaward

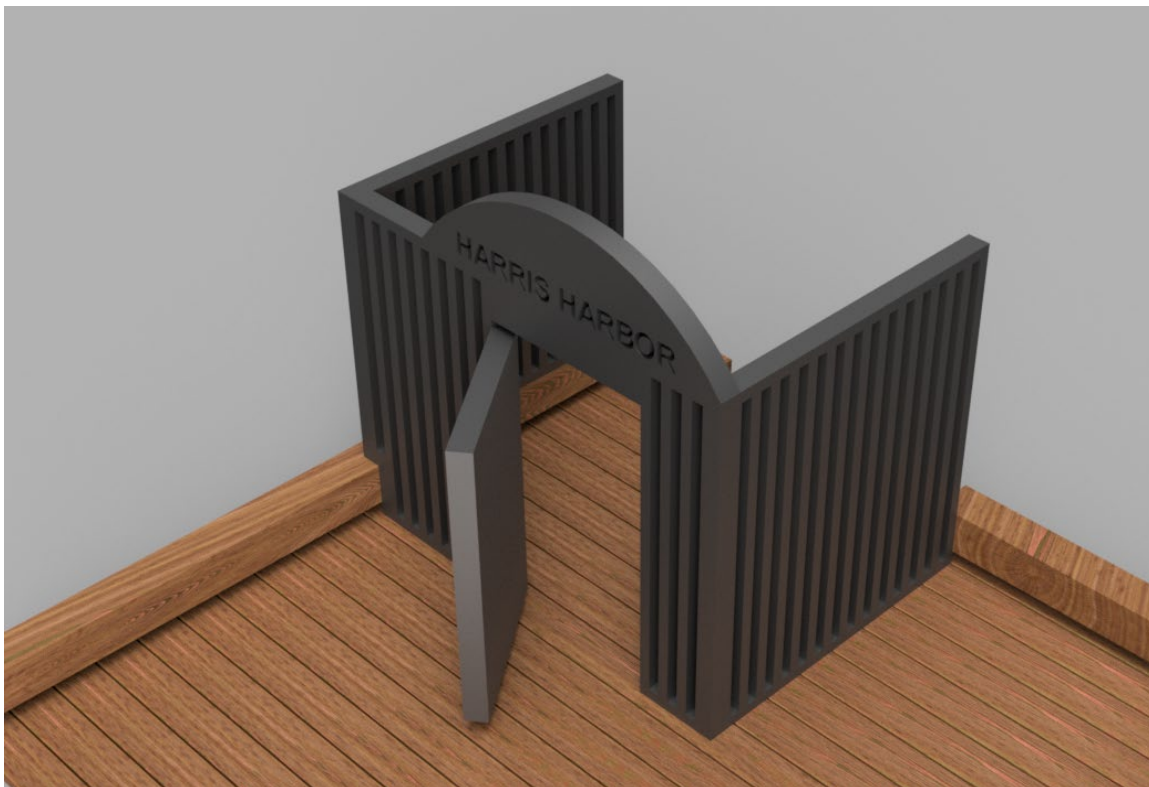
FABRICATION DESCRIPTION:

The structure will consist of a front panel and two side panels, enclosing a 7'-0" x 9'-6" space. The panels should be 8 feet tall with top details to discourage climbing over. A 4'-0" wide by 6'-8" gate will be installed centered on the gangway, and that gate must be able to open 180 degrees so that it can lay flat against the front panel and be retained in the open position by a magnetic catch. The front panel should include a signage area above the gate with room for the name of the facility and a D&H logo. Provisions are needed for lighting that illuminates both the name of the facility and the area directly below it on both sides of the gate, as well as provisions for a key fob reader, number pad, electric door latch and magnetic hold open latch. D&H additionally utilizes 360 degree cameras for security purposes, so a provision for installation of a camera above the gate that will allow it to view both sides of the gate will be required.

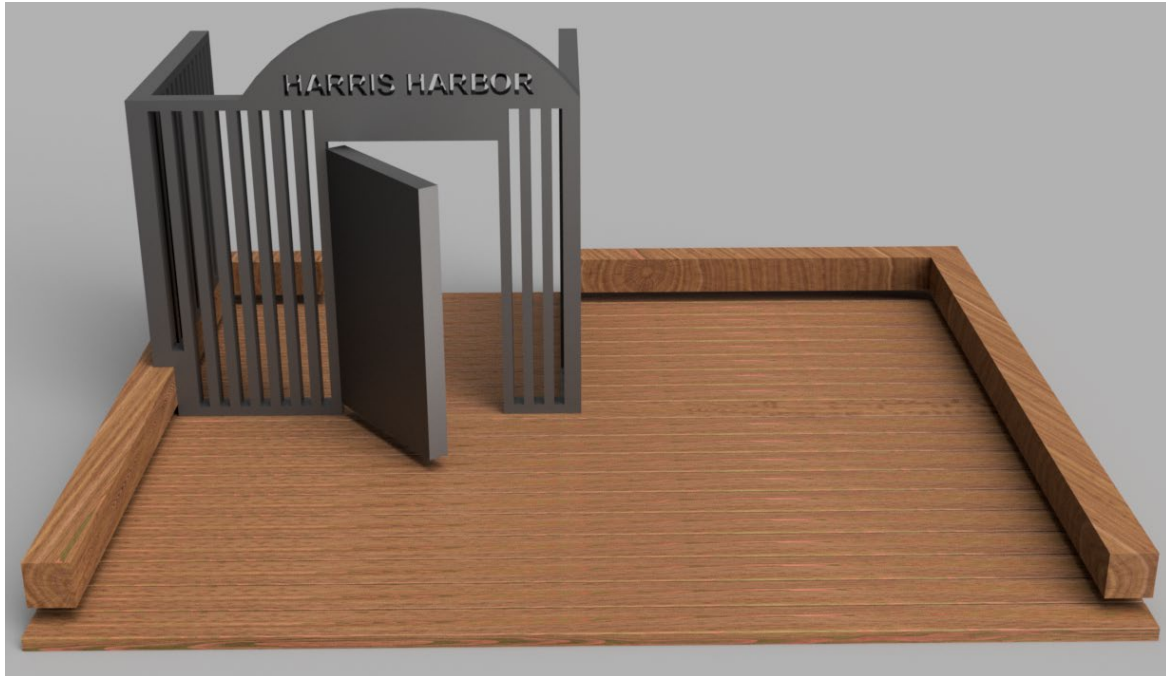
The South panel of the structure will be fastened to the top of the existing 12x bullrail, while the front panel and North panel of the structure will be fastened to the 4x decking. Fasteners will be through bolts where possible, and lag screws otherwise.

The gate itself should utilize pickets at the bottom rather than a kick plate because the gate will need to operate in snowy conditions, and it must be possible to operate the gate in 6" of snow.

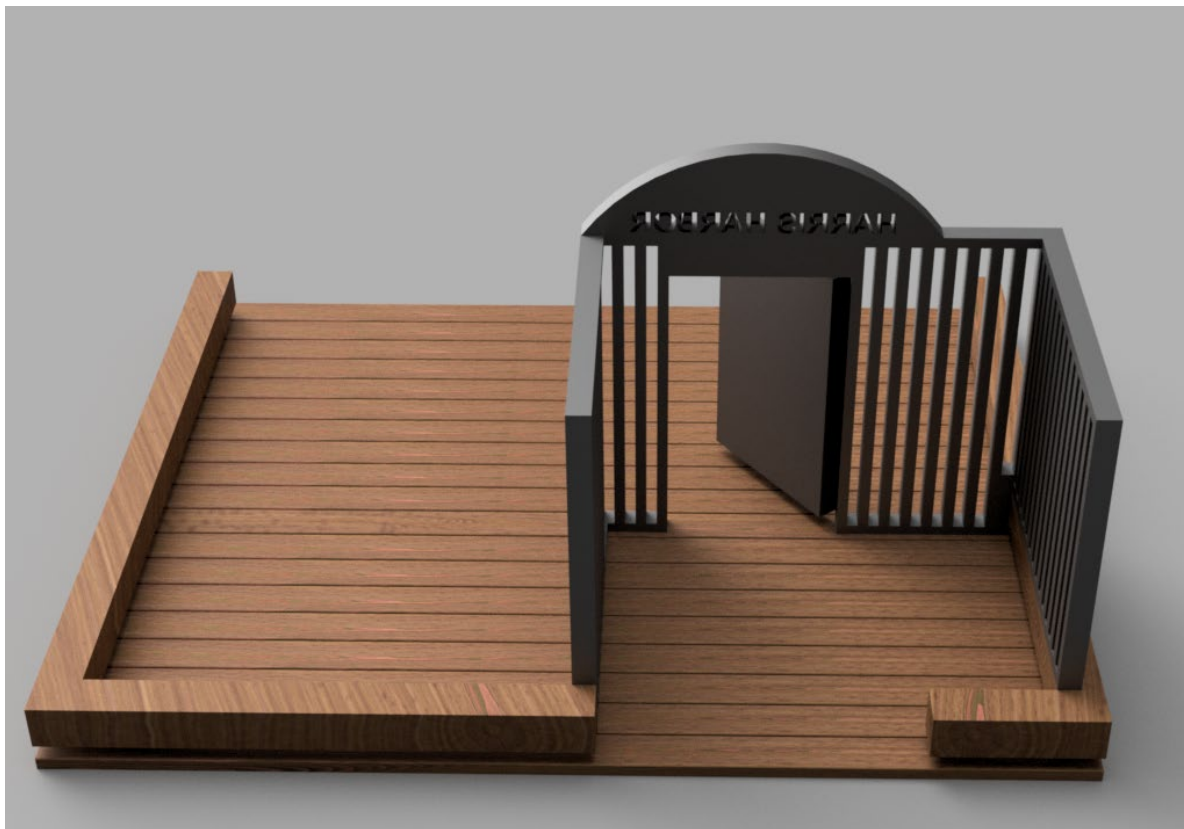
The attached images 4-6 show concept level renderings of the desired arrangement of the gate and gateway structure.



4: Isometric concept view



5: Front concept view



6: Gangway view looking towards shore

CONTRACT AWARD PROCESS:

City and Borough of Juneau procurement code allows open market contracts under \$50,000 to be awarded by D&H based on the lowest of three competitive written quotations. In reviewing the written quotations, a concept level rendering of the proposed structure and brief project narrative will be evaluated by D&H staff to ensure that the concept is responsive to our needs. The lowest quote that accompanies a responsive concept rendering and project narrative will be selected. After selection, D&H will provide a Contract and issue a purchase order once the Contract is signed.

Please prepare a concept rendering of the proposed structure and brief narrative, as well as a cost estimate for the fabrication and shipping of the structure to Juneau, Alaska. Construction drawings of the approach dock are included as an attachment to this document.

Don't hesitate to reach out with any questions or clarifications prior to preparing the concept and cost estimate. The concept images included in this document are intended to depict general features only, creative solutions to the requirements described herein are encouraged.

Thank you,



Matthew D. Sill, P.E.
Port Engineer
CBJ Docks & Harbors

Attached: 2015 Harris Harbor Renovation Construction Drawings (pdf)
Sample CBJ Contract (pdf)