

Guemes Island Ferry Replacement Program Neighborhood Meeting

The meeting will start shortly; we are
allowing everyone time to log in.



Guemes Island Ferry Terminal Upgrades Neighborhood Meeting

Tuesday, November 14, 2023; 6:00 p.m.



Skagit County Public Works
www.skagitcounty.net

Project Description

To support anticipated ridership through 2060 and to limit environmental impacts of the ferry service, Skagit County Public Works is proposing to upgrade its current ferry service between Anacortes and Guemes Island from a diesel-powered vessel to a battery-electric ferry system.

The proposed upgrades will require modifications to the existing breakwater, loading aprons, wingwalls, and dolphins to support a larger, heavier vessel. ADA parking upgrades, a toll booth, queuing lanes, and a retaining wall will be constructed. The project will also install a new power supply to the terminal along with switching gear, battery pack, and charging arm.

The proposal will prevent the burning of 52,000 gallons of diesel fuel per year, reduce noise, and achieve near-zero local air emissions.



Purpose

The purpose of the neighborhood meeting is to:

1. Inform citizens about the potential project at an early stage.
2. Foster communication between the applicant and the public regarding potential issues and opportunities for solutions related to the project.



Agenda

- All-electric vessel 5 min
- Shoreside electrical facilities 5 min
- Terminal modifications 5 min
- Anacortes ferry parking lot 5 min
- Ferry holding lane improvements 5 min
- Questions/Discussion 35 min

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All-electric vessel



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All-electric vessel schedule

- September 14, 2023: Vessel bid package released
- December 4, 2023: Bids due
- February 2024: Estimated Bid Award
- March 2024: Estimated Notice to Proceed
- December 2025: Estimated delivery date
- March 2026: New vessel enters service





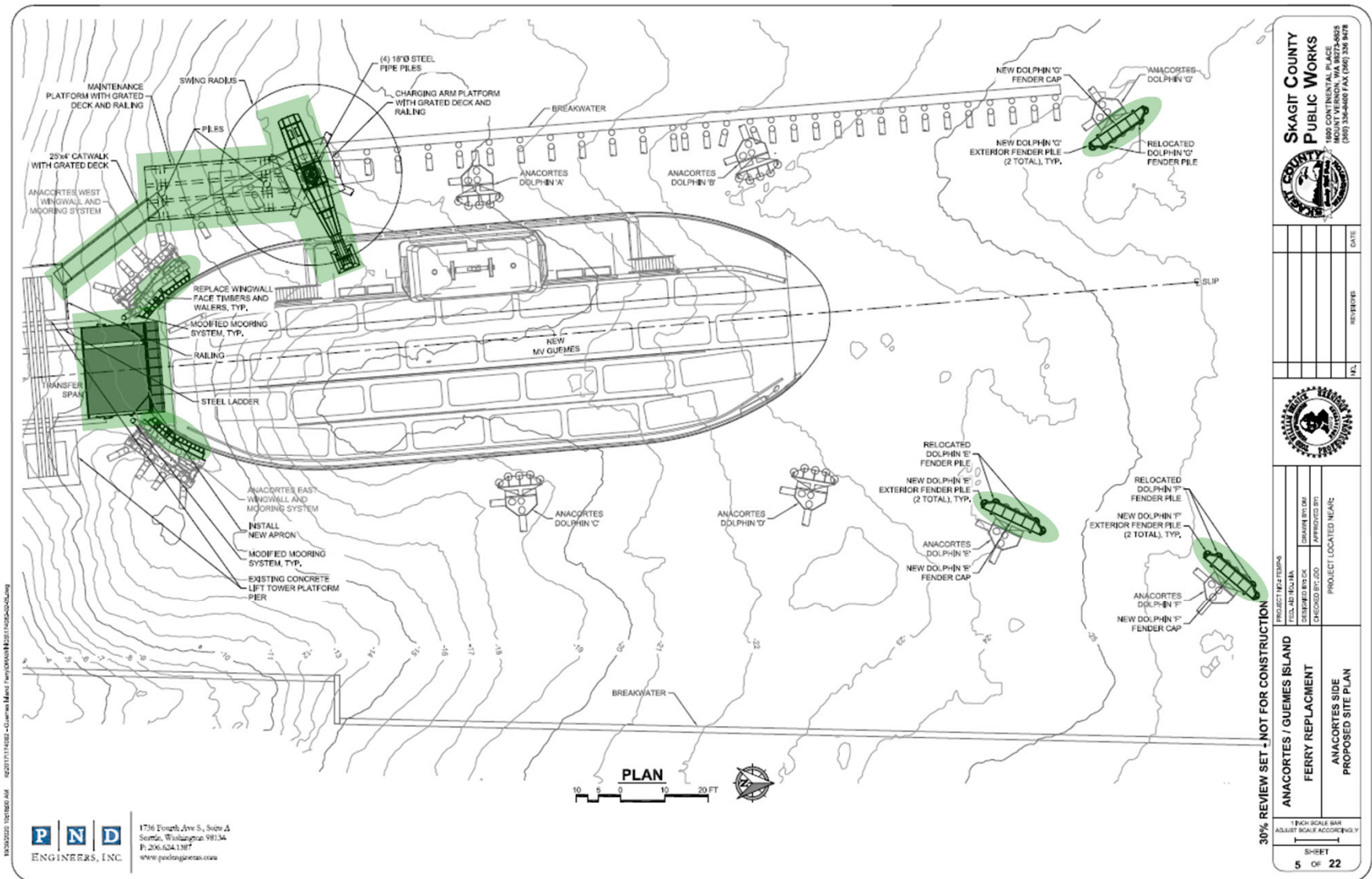
<https://robedgcumbe.com/guemes-island-ferry/>



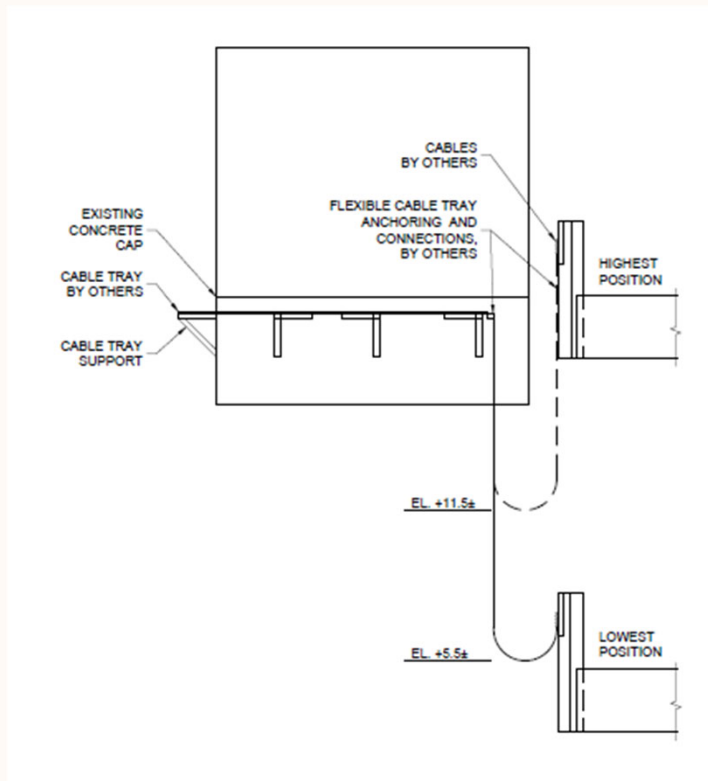
Terminal Modifications

- Replace aprons
 - Improved passenger safety
 - Maintain 30-minute round-trip schedule
- Modify wingwalls
 - To accommodate wider aprons
- Modify outer-most dolphins
 - To accommodate longer, heavier vessel
- Install charging arm
 - Platform & catwalk for maintenance





Flexible Cable Tray



Terminal Modifications Schedule

- Nov 2023 – Jan 2024: (Permitting) Anacortes Shoreline/Federal NEPA permit
- March 1, 2024: Release bid package
- April 1, 2024: Bids due
- Aug 2024 – Feb 2025: Construction

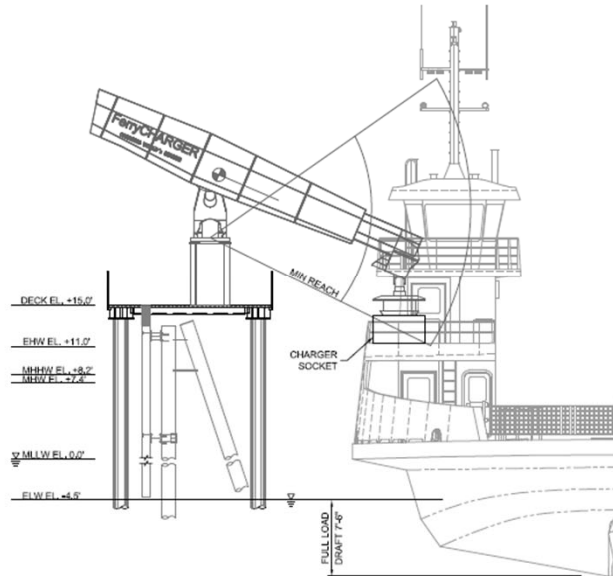




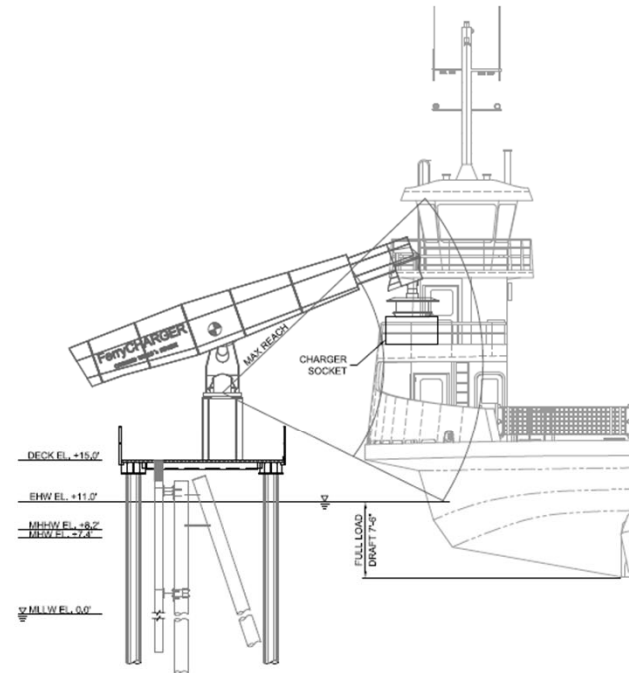
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Charger Range of Motion

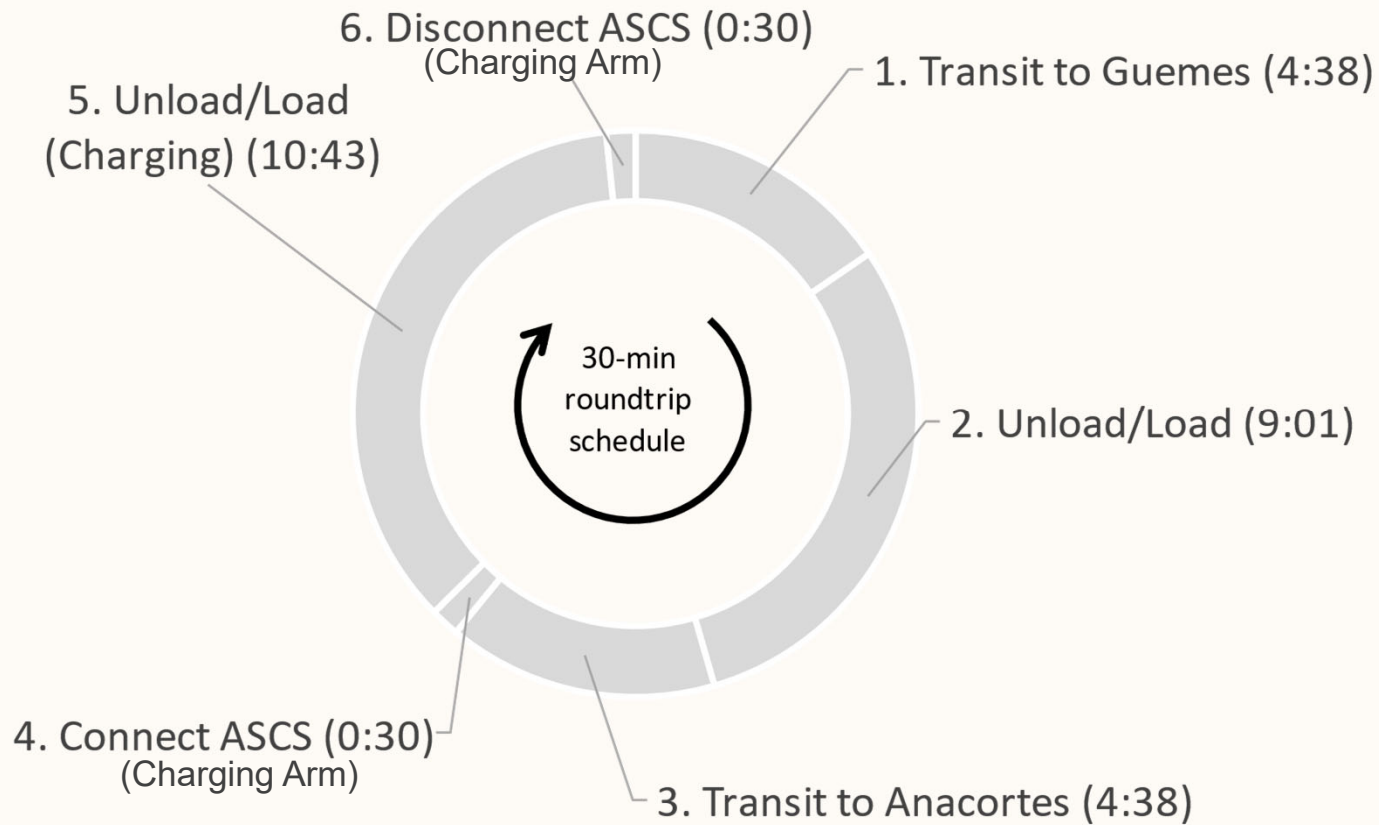


ELEVATION
(LOWEST RANGE)



ELEVATION
(HIGHEST RANGE)

Typical Schedule

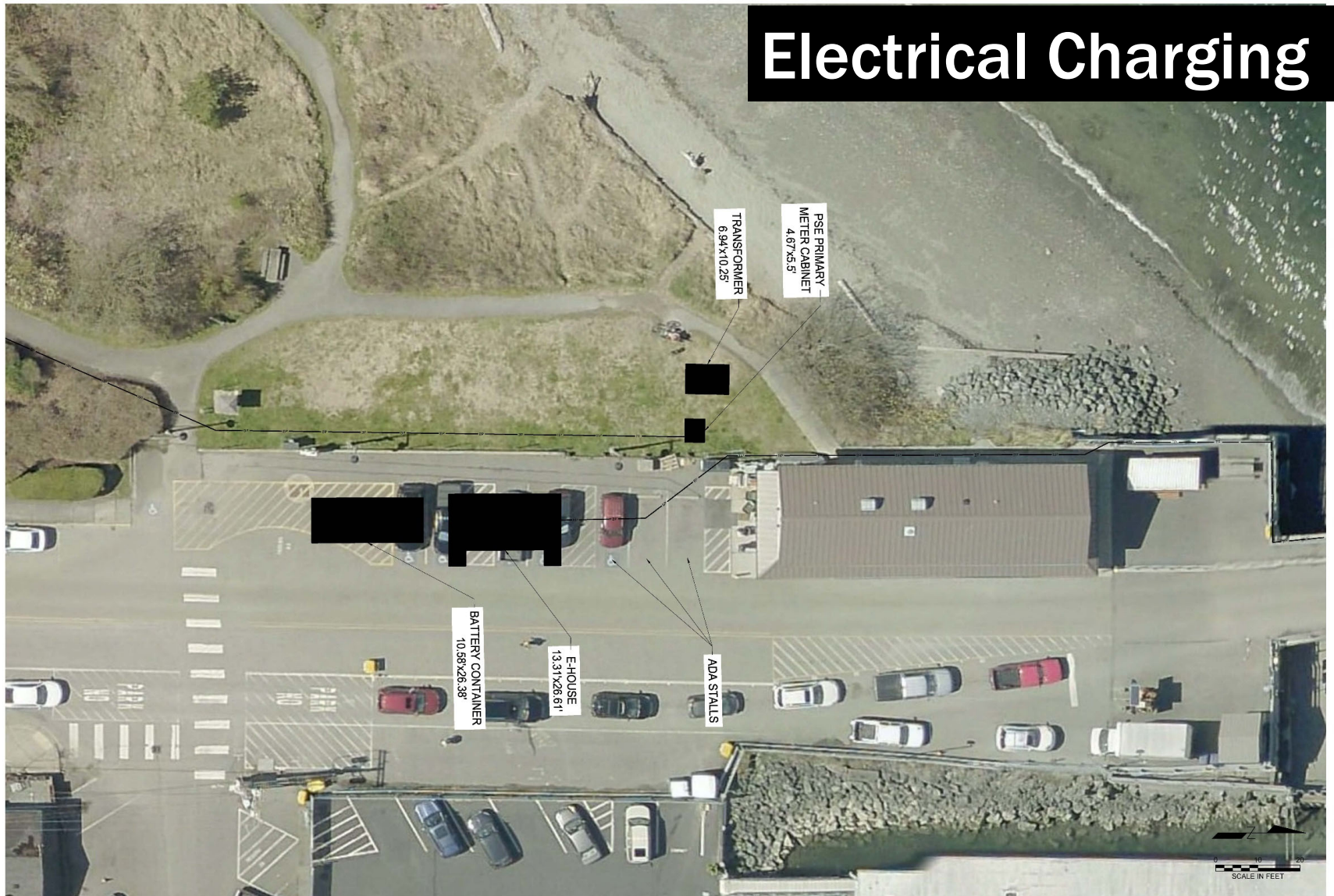


Shoreside Electrical Facilities

- Shoreside Battery
 - Rapid charging & reduce demand on the grid
 - Reduce lifecycle cost
- E-House
 - Shore battery charger/switchgear
- PSE Power Supply
 - Primary power to building, docks, and charging arm
- Transformer/Primary Metering Cabinet
 - Required equipment



Electrical Charging



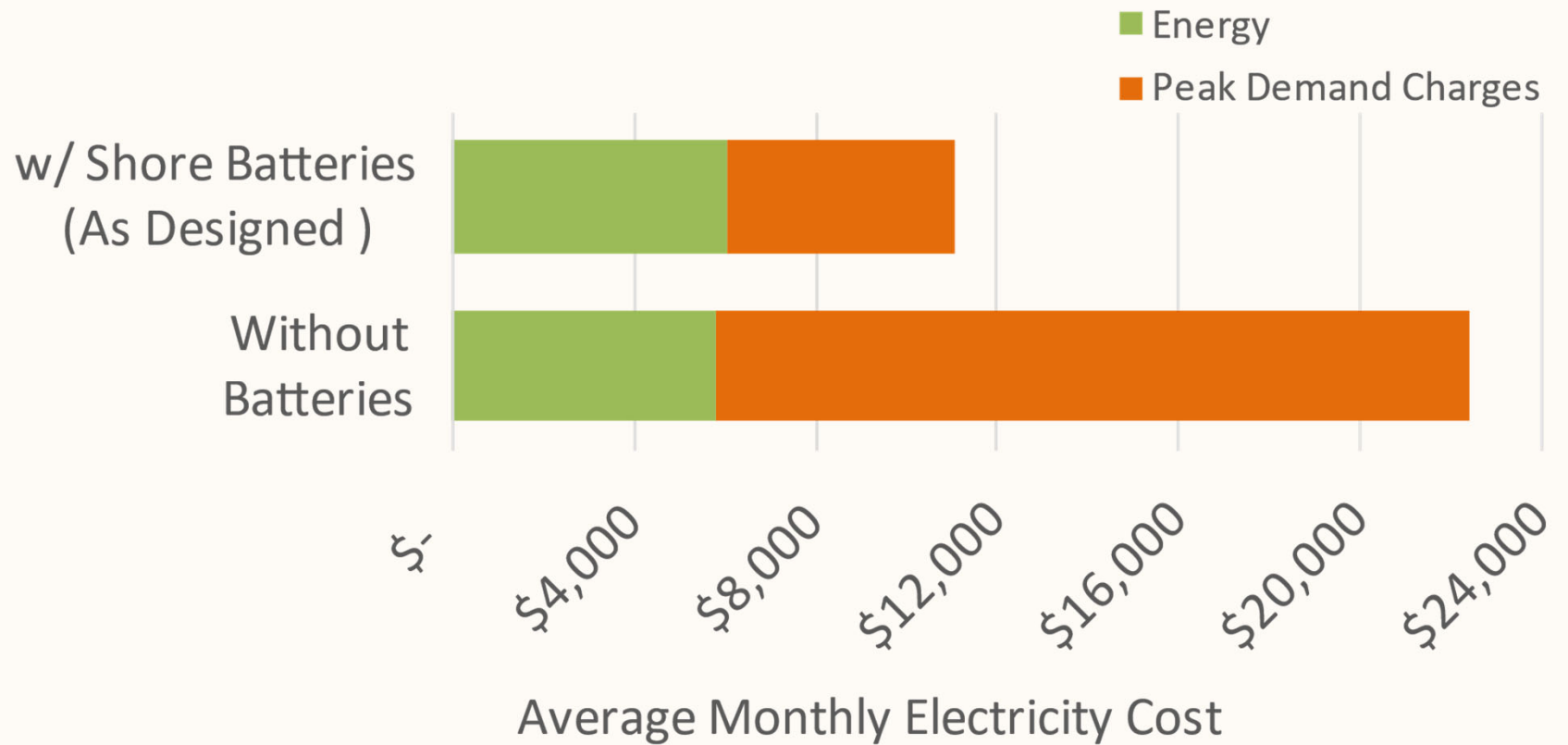




Optional Artwork



Monthly Energy Cost



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Shoreside Electrical Schedule

- Nov 2023 – Jan 2024: (Permitting) Anacortes Shoreline/Federal NEPA permit
- Mar 2024: Estimated bid package release
- Apr 2024: Estimated bids due
- Aug – Oct 2024: Estimated in-water construction
- Jun – Aug 2025: Estimated electrical equipment installation & testing

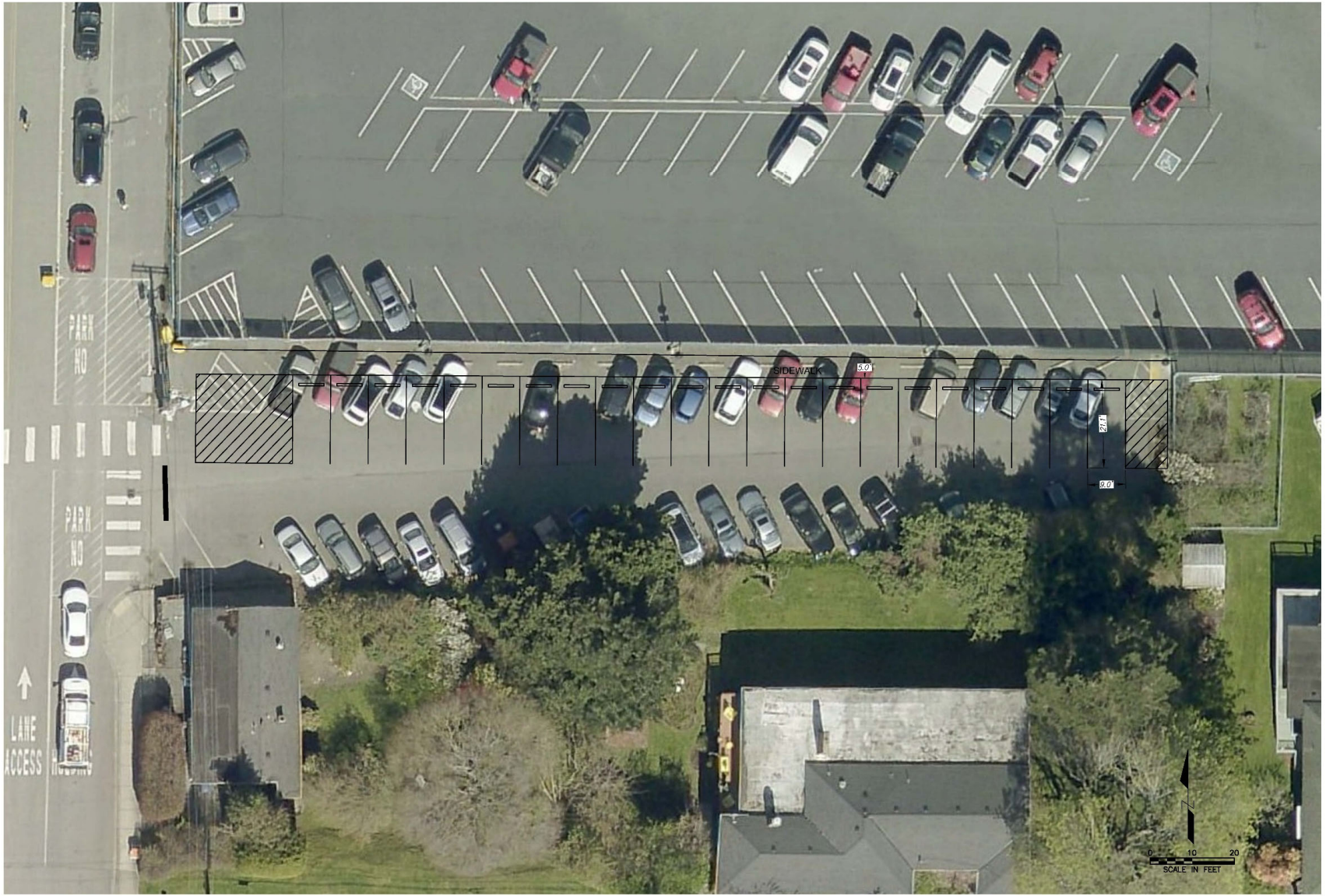
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Upland Site Improvements

- Parking Lot ADA Upgrades
 - Improve access and compliance
- Vehicle Queuing Lanes
 - Reduce congestion on 6th St.
 - Improve purser safety
- Retaining Wall
 - Add space for vehicle queuing
- Toll Booth
 - Improve ticketing











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Upland Site Improvements Schedule

Construction is scheduled for spring 2025 to coincide with the vessel's scheduled maintenance. Construction will be complete in advance of the electric vessel's delivery.





Ferry Replacement Program Financing

FERRY PROGRAM COST ESTIMATES

Vessel Construction	\$22.3M
Shoreside Electrical	\$ 7.1M
Terminal Modifications	\$ 3.1M

EXISTING FUNDING

Move Ahead WA Package	\$ 14M
County Ferry Capital Improvement Program	\$ 6M
WA State Capital Construction Budget	
Direct Appropriation	\$1.9M
ETS Grant/County Match	\$1.9M
FTA FY 2022 Appropriation	\$2.5M

TOTAL COST ESTIMATE: \$32.5M

TOTAL FUNDING: \$26.3M

FUNDING GAP: -\$ 6.2M

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Project Contacts

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