



# SOLICITATION OF BIDS

## **Solicitation of bids for Shipyard services relating to vessel repower project– Posted (November 16, 2021)**

Prudence & Bay Islands Transport is soliciting bids for Shipyard services to support and assist in the repower of the 120' vehicle and passenger ferry "Herbert C. Bonner". The project is to begin the first week of January 2021 and be completed by March 31, 2021. The required services must meet the following criteria:

### **Haul:**

- Capable of hauling the 120' x 40' (approximately 170lt displacement) vessel for the duration of the project and launching upon completion

### **Supply Components:**

- (3) Fernstrum D1063U-ZE1 keel coolers (for main engines)
- (2) Fernstrum BN896U-ZE1 keel coolers (for generator sets)
- (3) Each: pillow block bearings, cutlass bearings, bulkhead bearings
- (3) dripless shaft seals
- (3) AQ17 stainless steel propeller shafts 3" diameter with flanges, and taper to spec.
- (3) Michigan Wheel "Work Horse" propellers 42" x 30"
- Exhaust pipe jackets for main and generator exhaust piping
- Various piping, fittings, hardware to facilitate the project
- Additional dimensions and drawings of individual components available upon request

### **Main Engine Installation:**

- Remove existing main engines, reduction gears and any associated piping, wiring, etc.
- Modify engine beds as necessary to fit replacement units
- Modify keel cooler piping and hull penetrations to fit new keel coolers and re-wrap exposed piping with insulating material
- Install keel coolers
- Modify exhaust piping to meet new engine outlets
- Inspect and replace degraded piping/mufflers as necessary
- re-wrap exhaust with new insulating jackets

- Fit and align new engines and reduction gears
- Assist Engine supplier in commissioning of engines

**Propeller Shafting and Driveline:**

- Remove existing propellers, shafts, bearings, etc.
- Replace cutlass bearings, pillow blocks bearings, bulkhead bearings
- Install new dripless shaft seals
- Install and align propeller shafts
- Install replacement propellers

**Generator Installation:**

- Remove existing Generator sets and any associated piping, etc.
- Modify engine beds as necessary to fit replacement units
- Modify keel cooler piping and hull penetrations to fit new keel coolers and re-wrap exposed piping with insulating material
- Install keel coolers
- Install dealer supplied flex pipe and muffler
- Connect muffler to existing exhaust piping
- Re-wrap exhaust with new insulating jackets
- Assist generator supplier in hook-up and commissioning of generator sets

**Options:**

- Supply replacement main engine mufflers if old units excessively worn/corroded
- Supply replacement globe valves and piping segments for keel cooler inlet/ outlets if old units worn or will not mate to new flanges

Additional details on any services, components, or options available upon request

**Bids must include:**

- Itemized breakdown of component costs
- Complete vendor contact information
- Certification of WBE/MBE status if applicable
- Email questions or bids to Daniel Antaya (at) Dan@pi-ferry.com