

CCGS Louis St. Laurent Refit 2013.

Bidders Conference Minutes.

The Bidders Conference for CCGS Louis St. Laurent was convened on April 12, 2013 at Argentia, NL at 1:00 pm with the following attendees:

| Name | Department/Company | Position | Phone |
|-----------------|---------------------------|-----------------------|--------------|
| Colleen Dalton | PWGSC | Supply Specialist | 772-4931 |
| Terry Sheppard | DFO | Project Officer | 772-4614 |
| Don Whitty | DFO | Chief Officer | 765-9555 |
| Anthony Engbers | DFO | Sr Electrical Officer | 699-7186 |
| Matt Klebert | DFO | Sr Engineer | 699-7186 |
| Dennis Thorne | Heddle Marine | President | 330-0840 |
| Ron Collier | DFO | Chief Engineer | 765-5800 |
| George Reid | DF Barnes | Mechanical Eng. | 579-5041 |
| Bill Conway | DFO | Project Engineer | 772-5118 |
| Jeff Winsor | DF Barnes | Foreman | 579-5041 |
| D English | DF Barnes | Supervisor | 765-8382 |
| Danny Parmiter | DFO | Chief Engineer | 769-0470 |
| Terence Hatcher | Atlantic Flushing | Production | 902-476-7972 |
| Gary Eavis | East Coast Marine | President | 722-8600 |
| Jeff Ivany | NewDock | Production | 758-6800 |
| Glenn Way | Burry's Shipyard | Operations Manager | 466-7725 |
| Wayne Marsh | Burry's Shipyard | Supervisor | 466-7725 |

Invitation to Tender

Page One

Closing date is **April 24, 2013.**

Bidders are to ensure page (1) is completed accurately.

Summary

Commencement Date: **May 8, 2013**

Completion Date: **June 19, 2013**

Invitation to tender document

Annex "K" Code of Conduct has to be completed with bid submission.

No comments were made at the meeting regarding the work package and the time allocated to do the work.

The refit will take place at Pier 17 in St. John's, NL until May 31, 2013. At this time the vessel will be moved to Pier 11 for the remainder of the refit.

Coast Guard has informed all bidders that parking will be limited at these facilities but the contractor should not have an issue with parking on a day to day basis.

The contractor is responsible for their own fire watches when required.

Specification

PREAMBLE

Lloyd's and T/C are required at all inspections.

SPECIAL CONDITIONS

No issues

H-01 SERVICES

No issues

H-02 DECK SURFACE RENEWAL-VINYL

Add following:

Work in forward lounge is to be executed such that furnishings do not have to be removed from the space. Furnishings will be placed on port side of space while flooring is dealt with on stbd side. Once flooring renewal on stbd side is dealt with, furnishings will be moved, by crew, to stbd side to facilitate flooring renewal on stbd side. **(Second STBD should read port)**

Contractor remains responsible to protect flooring as per para. 10. Flooring protection is to be applied to new flooring on stbd side prior to crew relocating furnishings to allow completion of flooring renewal on port side.

Note: It is imperative that contractor adequately seal and ventilate work areas when existing deck covering materials are being removed. Dust propagation must be contained, controlled and limited, by what ever means necessary, to satisfaction of Chief Engineer or delegate. Spread of dust beyond immediate work areas will not be tolerated. Work will be stopped if dust control is deemed to be inadequate. CG will not bear responsibility for consequences of any delay brought on by inadequate dust control.

H-03 DECK SURFACE RENEWAL-QUARTZITE

Note the following:

Para.3 - first line - remove "bases".

Include: Toilet mounting plates ("basis") are not to be removed. They are to be left in place and floor sanding and refinishing is to be carried out with toilet mounting plates in place.

Toilet drain adaptors are to be unbolted from toilet base plate and removed with toilet without disturbing toilet/adaptor joint.

Base plates are to be mechanically cleaned, in place, and coated with two coats of epoxy paint, gloss black in color.

Para.8 - Replace with:

On completion of flooring repairs, toilets and any other removed or disturbed fittings are to be reinstalled and proven in satisfactory working order.

Toilets are to be cleaned, all residual paint etc. on toilets is to be removed. Toilet drain adaptors are to be mechanically cleaned and coated with two coats of epoxy paint, gloss black in color.

Toilet and drain adapter hold down hardware threads are to be chased with tap and/or die to ensure threads are clear and in good condition.

On re-installation a ¼", soft rubber gasket is to be supplied, cut to fit and installed between toilet/drain adapter and toilet mounting base plate.

Toilet water supply adaptor fittings are to be removed and replaced with new, contractor supply.

Toilet water supply pipes are to be reconnected.

Once installed and proven functional, toilets and any other removed fixtures are to be re-caulked with white silicone at all joints with flooring and/or bulkheads.

Washrooms are to be left in a clean and tidy state ready for use.

Para.10

Note: Washroom decks (505 and 504) are presently top coated with epoxy paint.

Para.11 - Include after third sentence:

Toilet drain adaptors are to be unbolted from toilet base plate and removed with toilet without disturbing toilet/adaptor joint.

Para.17 - Replace with:

Toilet base plates are to be sandblasted to remove all accumulated paint, dirt and corrosion. Base plates are to be coated with two coats of epoxy coating, gloss black in color.

Base plate hold down stud threads are to be chased and proven to be in good condition.

Contractor to re-install toilet mounting base plates as per original arrangement.

Contractor to include in quote cost to renew 50% of toilet base hold down studs. New studs to be welded to deck plate as per original arrangement.

Para 19 - Replace with:

On completion of flooring repairs, toilets and any other removed or disturbed fittings are to be reinstalled and proven in satisfactory working order.

Toilets are to be cleaned, all residual paint etc. on toilets is to be removed. Toilet drain adaptors are to be mechanically cleaned and coated with two coats of epoxy paint, gloss black in color.

Toilet and drain adapter hold down hardware threads are to be chased with tap and/or die to ensure threads are clear and in good condition.

On re-installation a ¼" soft rubber gasket is to be supplied, cut to fit and installed between toilet/drain adapter and toilet mounting base plate.

Toilet water supply adaptor fittings are to be removed and replaced with new, contractor supply.

Toilet water supply pipes are to be reconnected.

Once installed and proven functional, toilets and any other removed fixtures are to be re-caulked, with white silicone at all joints with flooring and/or bulkheads.

Washrooms are to be left in a clean and tidy state.

New Requirements:

All water supply piping to toilets, sinks and showers, in all washrooms dealt with, is to be removed and replaced with new of similar material.

Color charts to be made available for confirmation of new floor colors ASAP after contract award.

Note: It is imperative that contractor adequately seal and ventilate work areas when existing deck covering materials are being removed. Dust propagation must be contained, controlled and limited by what ever means necessary, to satisfaction of Chief Engineer or delegate. Spread of dust beyond immediate work areas will not be tolerated. Work will be stopped if dust control is deemed to be inadequate. CG will not bear responsibility for consequences of any delay brought on by inadequate dust control.

H-04 POTABLE WATER TANKS

CCG has advised that contractor has to follow provincial regulations with regards to discharging standing water.

Para.4 should be deleted and replaced with:

All tank internal surfaces shall be cleaned by high pressure water wash, 3000 psi min. All wash water and debris generated to be removed and tanks allowed to dry. Tank internals to then be inspected and areas of coating failure requiring repair shall be identified by Chief Engineer. Identified areas of coating failure to then be mechanically cleaned to SSPC-11 standard. Areas of intact coating surrounding areas so prepared above, to be feathered back a minimum of 6" to avoid sharp edges between intact coating and bare areas. Particular attention shall be paid to blind areas of tanks and stiffeners to ensure they are adequately cleaned and prepared.

Para.5

Replace "blasting, cleaning" with preparation as defined in para.4"

Para.6

Replace "Tanks" with "Areas prepared as per para.4"

Add: Application of new coating beyond areas prepared, as per para.4, shall be avoided (or limited as best possible.)

New:

Contractor to quote unit cost per square foot to prepare and coat tank internal areas as per para. 4 and para.6 for adjustment purposes.

H-05 VENTILATION SYSTEM CLEANING

Contractor to note requirements of para.7 and para. 8. "Intake plenums" and "louvers" refer to entire internal area of space between actual outside air and recirc. air intakes and actual fan intakes including recirc. ductwork between decks as well as all associate intake screens and louvers. All areas are to be cleaned, all dust and loose debris removed, all louvers lubricated and made free to operate, all screens cleaned.

New: All air conditioning evaporators on intake side of accommodation supply fans to be blown out, all dust and debris removed. (Four evaporators to be dealt with.)

H-06 LIFERAFTS

Rafts to be disconnected by the contractor.

Appendix A to be revised as follows:

Starboard Side: remove number 1 serial number 36522 20 man and number 9 serial number 37624 20 man.

Other: remove SAR raft serial number P2387 10 man and SAR raft DK V041092 10 man.

Add: two (2) Zodiac rafts 25 man and one (1) RFD 25 man.

H-07 DECK RAILING RENEWAL

Delete para.17

H-08 CONVERTER ROOM DOOR RENEWAL

Doors are owner supplied.

No known asbestos in the area.

H-09 DECK COATING RENEWAL-EXTERIOR

Add to spec:

1 coat of international intershield 300 bronze primer. (to be supplied and applied by contractor.)

H-10 FUNNEL TOP CLEANING

No issues

H-11 LAUNDRY ROOM BULKHEAD REPAIR

No issues

H-12 DECK CRANES QUINQUENNIAL INSPECTIONS

Remove: Centre Crane, Stbd Quarter Deck Crane and Stbd F & B Deck Crane and any reference to these cranes in the specification.

1.5 Remove the \$20,000.00 allowance for the Allied Service Rep.

Insert 1.6:

Slewing drive assemblies (two per crane) and winches (one per crane) are to be removed from both Arva cranes and transported to repair facility.

Slew drives and winches are to be fully disassembled, parts cleaned and laid out for inspection.

All paint and corrosion on external surfaces of various components is to be removed.

Any defects found will be corrected by 1379 process.

Slew drives and winches are to be reassembled with all new bearings and seals.

External surfaces are to be coated with two coats of epoxy coating.

Slew drives and winches are to be reinstalled as per original arrangement and filled to working level with specified lubricant.

Instruction manuals for slew drives and winches are attached.

H-13 OFFICERS LOUNGE DEADLIGHT RENEWAL

Remove item in its entirety.

H-14 BULWARK REPAIRS

3 stanchions.

H-15 DECK JOINT AND WINDOW CAULKING

New item :

Deck Plate Joints

1. Contractor to clean and re-caulk 300 lineal feet of riveted, lapped aluminium/steel deck plate joint.
2. All joints are on exterior decks on wheelhouse top, nav. Bridge deck, and bridge deck.
3. All existing, external sealant is to be removed and joint edge mechanically cleaned to bare steel and aluminum
4. Joint to be re-caulked with Sikaflex 221 compound or substitute approved by Chief Engineer.
5. Note: Riveted joint is not to be disturbed. This requirement refers only to clean up and re-caulking of exposed, exterior edge of riveted joint.
6. Contractor to quote separately, unit cost per lineal foot to clean and re-caulk deck plate joint.

Windows

7. Fifty one bridge front windows are to be cleaned and re-caulked.
8. All existing sealant on exposed, exterior joint of glass to window frames is to be removed.
9. Glass and frame are to be suitably mechanically and/or chemically cleaned to bare material.
10. All glass to frame joints are to be re-caulked with Sikaflex 221 compound or substitute approved by Chief Engineer.
11. Each window presents approximately twelve lineal feet of joint to be dealt with.
12. Contractor to quote unit cost per lineal foot to clean and re-caulk window joints for adjustment purposes.

Para.7 - Replace "bridge front windows" with "superstructure front windows".

Note: Windows are located on upper deck, boat and flight deck, bridge deck and nav. bridge deck levels.

E-01 FUEL TANKS (SURVEY)

No pressure test required.

E-02 BILGE CLEANING

No issues

E-03 SAFETY RELIEF VALVE CERTIFICATION

2. Should read valves #28, 29 and 30. Second last sentence should read valve #28 is heavy.

Contractor to assume valves made available by crew will be dealt with in three separate groups at three different times. This does not include valves to be removed by contractor.

E-04 TRANSFER HOSE RE-CERTIFICATION

No issues

E-05 PIPING RENEWALS

6. Last sentence should read 2 inch pipe using "new" contractor supplied.....

Pipe #4:

Foam concentrate connection branch is 2.5" nominal diameter, not 2" as specified.

Pipe #5

New pipe is to be insulated as per original arrangement.

While pipe is removed, a suitable temporary arrangement is to be installed to maintain water supply to all affected toilets.

Pipe #7

Arrangement of piping involved is offered in attached sketch.

For bidding purposes, refer to sketch for determination of material requirement.

All five branch runs to be included, not three as noted in spec.

Four branch runs, off main line involved, are to be arranged with new flanged connections as shown in detail #5.

Both bulkhead penetrations are to be renewed.

Pipe #9

New pipe is to be insulated as per original arrangement.

Add: Pipe #11

Pipe consists of two sections.

One section consists of 2' of 12" pipe, flanged one end, reduced to 8" on opposite end and flanged. This section also includes one 8" branch tee 1' long, flanged at free end.

Second section is straight run of 8" pipe approx. 6" long, flanged both ends.

Refer to sketch.

E-06 P & S AFT SHAFT BEARING INSPECTION

C/E to witness before closing up.

E-07 AFT BOILER (SURVEY)

2. Last sentence should include lock out locks and tags.

7. Should read "The following external boiler fittings are to be opened **and laid out** for inspection..."

E-08 SCIENCE A-FRAME SURVEYS (2)

3. Last sentence should read "Components are to be thoroughly disassembled and cleaned **and laid out for T/C and Lloyd's inspection.....**

E-09 FUEL OIL PURIFIER REPLACEMENT (2)

3.1.1 Allowance for FSR is \$20,000.00. This is the same allowance as stated in 4.1.2. There is only **one** allowance for this FSR.

3.1.8 and 3.1.9 25t crane to be removed.

3.1.21 This is to be done prior to installation.

3.1.34 SDNR valve and ball valve are both contractor supplied

3.1.36 Ball valve is contractor supplied

3.1.38 Shut off flap is owner supplied.

3.1.42 Second sentence should read "certified for 1000lbs each." Last sentence should read "provide a straight unobstructed lift of the ..".

3.1.45 Sentence should read "Contractor is to ensure all new pipe work is internally cleaned and free from welding slag and foreign debris by pickling."

Add 3.1.47 All new gaskets to be used on new joints suitable for hydrocarbon.

L-01 FAN & MOTOR OVERHAULS (SURVEY)

8. First word should be "all"

Add additional fan:

10. Main and lower deck exhaust toilet fan Room #1 10amp 460v P-19-3-10

L-02 ACCOMMODATION AIR REHEATER INSPECTION (SURVEY)

No issues

Pricing Data Sheet

CCGS Louis St. Laurent

| Spec Item | Description | Price |
|-----------|--|--|
| H-01 | Services | |
| | 2. Fire Main | \$ |
| | 3. Fresh Water | \$ |
| | 4. Garbage Removal | \$ |
| | 5. Oily Bilge Water Unit cost per addtl. litre of disposal \$ | \$ |
| | 6. Cleaning | \$ |
| | 7. Equipment/Machinery Survey Reports | \$ |
| | Total Services | \$ |
| H-02 | Deck Surface Renewal-Vinyl Plank Flooring | \$ |
| H-03 | Deck Surface Renewal-Quartzite | \$ |
| H-04 | Potable Water Tanks-Port & Starboard Unit cost per sq ft to prepare tank \$ Unit cost per sq ft to coat tank \$ | \$ |
| H-05 | Ventilation System Cleaning | \$ |
| H-06 | LifeRafts (Survey) | \$ |
| H-07 | Deck Railing Renewals | \$ |
| H-08 | Converter Room Door Renewal | \$ |
| H-09 | Deck Coating Renewal-Exterior Decks 4. Unit cost per sq ft for UHP blasting \$ | \$ |
| H-10 | Funnel Top Cleaning | \$ |
| H-11 | Laundry Room Bulkhead Repair | \$ |
| H-12 | Deck Cranes Quinquennial Inspection 1.5 Allowance for ARVA FSR | \$ \$25,000.00 |
| H-13 | Deleted at bidders conference | ----- |
| H-14 | Bulwark Repairs | \$ |
| H-15 | Deck Joint and Window Caulking | \$ |
| E-01 | Fuel Tank Cleaning, Inspection and Testing 4. Unit cost per ltr \$ | \$ |
| E-02 | Bilge Cleaning 5. Unit cost per ltr for removal/disposal oily water \$ | \$ |
| E-03 | Safety Valve Recertification | \$ |
| E-04 | Transfer Hose Recertification | \$ |
| E-05 | Piping Renewals | \$ |
| E-06 | Port and Starboard Aft Shaft Bearing Inspection | \$ |
| E-07 | Aft Boiler (Survey) | \$ |
| E-08 | Science A-Frame Survey | \$ |
| E-09 | Fuel Oil Purifier Replacement 2.4.2 Allowance for flex lines, expansion joints etc 3.1.1 Allowance for GEA FSR | \$ \$15,000.00 \$20,000.00 |
| L-01 | Fan and Motor Overhauls (Survey) | \$ |
| L-02 | Accommodation Air Reheater Inspection | \$ |
| | Total Price (HST excluded) | \$ |