

Bidders Conference Minutes

Leonard J Cowley Drydocking 2017

Attendees:

Colleen Dalton	PWGSC
Nikki Hoskins	PWGSC
George Penney	NewDock Ltd
Mark Roebbothan	NewDock Ltd
Jason Forward	CCG
Regis NDA	Verreault Navigation Inc
Rayna Beaupre	Verreault Navigation Inc

Start Date: October 23, 2017

End Date: December 4, 2017

The representative from NewDock has voiced a concern regarding the numbers of hours included in the ITT document for unscheduled work.

H-01 Production Chart

No issues.

H-02 Services

Contractor to supply three discharge connections to the hull. Sewage discharge, grey water discharge and refrigeration cooling discharge.

3.2.3 Potable Fresh Water – remove 32m3 and replace with 200m3

3.2.6 Electrical Shore Power – remove Electrical Officer and replace with Chief Engineer

Remove #13 in its entirety.

H-03 Sea Trials

Remove section 3.1.4 in its entirety.

H-04 Fixed Foam and Wet Chemical

No issues.

H-05 Fixed Smothering Systems

No issues.

H-06 HVAC Duct Cleaning

No issues.

H-07 Liferrafts and HRU's

Remove line 1.1 – Contractor is also to supply qty (4) new Hammer Hydrostatic releases for use with the lifeboats to be services.

Remove line 3.4 – Contractor to supply and install 4 new Hammer Hydrostatic releases for the above mentioned liferafts.

H-08 Lifeboats and Davits

Add line – 1.10 Contractor to bid on 20 hours labour for assisting the FSR in the completion of the work in the specification.

H-09 Shower Stall Repairs

No issues.

H-10 Lloyd's Special Survey Thickness Testing

3.1.1 change to 800 shots.

H-11 Sewage Treatment Plant

No issues.

H-12 Galley Hood Cleaning

No issues.

H-13 Miranda Davit Annual Inspection

Revised specification attached.

HD-01 Dry docking

No issues.

HD-02 Underwater Hull Inspections

No issues.

HD-03 Cathodic Protection

Remove 3.1.7 in its entirety.

HD-04 SW Cooling Anti-Fouling System

No issues.

HD-05 Sacrificial Hull Anodes

Change 1.1 to read "The intent of this specification is to renew 8 sacrificial hull anodes. Four anodes outside bow thruster tunnel (two anodes on each side), two midship just under the bilge keels port and stbd (one on each side) and two on the rudder. Anodes are welded to the hull.

HD-06 Underwater Hull Painting

3.1.1 Contractor shall bid on repairing 140 m² of underwater hull coating (SA 2 ½ on 140 m²) and sweep blast 100% on 1188 m². Actual area to be repaired has to be agreed upon by contractor and C/E **PRIOR** to any work starting.

Add "Contractor shall bid on unit cost for sweep blasting for adjustment purposes."

3.1.15 Add "Contractor to include a unit cost per m² for intergard 377 coating."

Add "Contractor to supply in bid price for 200 m² for a shelter and bid per 100m² for adjustment purposes."

HD-07 Hull Painting Above Ice Belt

3.1.1 Contractor shall bid on repairing 120 m² of hull coatings (SA 2 ½ on 120 m²) and provide unit price per m² for grit blasting. Contractor to sweep blast profile number SS SA1 or SSPC-SP7 100% (sweep on 800 m²). Contractor shall also provide unit cost per 1 meter squared of sweep blasting. Actual area to be repaired has to be agreed upon by contractor and C/E **PRIOR** to any work starting.

HD-08 Hull Butts and Seams

No issues.

HD-09 Cooling Water Drains Tanks

No issues.

HD-10 Forward Capstan Hydraulic Motor

Add allowance for hydraulic sub-contractor \$10,000.00.

HD-11 Bilge Keels

No issues.

HD-12 Grey Water Tank

No issues.

HD-13 Fresh Water Tank Cleaning

3.1.13 Add 4 x 32.5m³ = 131m³ for filling and 3 x 32.5m³ = 97.5m³ for disposal. This water quantity shall not be included in metered water under H-02 services.

HD-14 Windlass Port and Stbd

No issues.

HD-15 Water Ballast Tank #5

Revised specification attached.

HD-16 Water Ballast Tanks

Contractor is responsible for supply and disposal of fresh water for hydrostatic testing.

Contractor and C/E to agree upon the area to be repaired PRIOR to any work starting.

100m² in total.

HD-17 Deck Workshop Ventilation

Add "Contractor shall supply and install an emergency stop button for the fan directly outside the workshop area.

HD-18 Forward Machinery Space Ventilation

No issues.

HD-19 Seabays and Sea Chest Coating

No issues.

HD-20 Fuel Oil Tanks

No issues.

HD-21 Lube Oil Tanks

No issues.

HD-22 Sludge Tank

No issues.

HD-23 Steering Compartment Bilge Painting

3.1.79 Contractor to quote on repairs/coating of 2100 sq ft of tank surface area and rate per sq ft. On two types of surface preparation (1) power tooling to meet SSPS SP-11 with a suitable profile, (2) or SSPC SP-10/NACE 2 near white abrasive blast clean with an angular surface profile of 50-75 microns (2-3 mil). Adjustments will be made by PWGSC 1379 action. Type of repair shall be determined at the time by C/E. Contractor and C/E to agree on the area to be repaired PRIOR to any work starting.

Prior to work starting the steering gear compartment to be sealed and witnessed by C/E.

H-24 Anchor Chains and Chain Locker

No issues.

HD-25 Bow Thruster Bilge Painting

No issues.

HD-26 Hull Repair on Stbd Aft Quarter

1.3.6 Change wording to "Contractor to remove and dispose of approximately 6,000 litres of aviation fuel from AV gas tank and certify safe for hot work for adjacent hull repair. Contractor to provide unit price for removal and disposal of aviation fuel for adjustment purposes.

1.3.12.4 Change wording to "Estimated plating: qty 1 x 2000 x 1000mm x 9mm, Lloyd's Grade E.

Appendix A – Page 8 – New Plate Thickness : replace 5/8" with 9mm.

HD-27 Funnel Structure Repair

No issues.

E-01 Bow Thruster Survey

No issues.

E-02 Port and Stbd Clutch Survey/Overhaul

No issues.

E-03 Gearbox Bearing Replacement

No issues.

E-04 Rudder Propeller Shaft and Bearings

3.1.24 add "Contractor to include in their bid machining of owner supplier 316 SS solid round stock to the required dimensions for the upper rudder stock liner and pintle liner. Final dimensions are to be determined by the contractor of the rudder stock assembly. Drawings to be used for reference only.

Round stock dimensions for rudder stock liner : 330mm OD x 158 mm length

Liner dimensions are : (rough) 320mm OD x 279mm ID x 150mm L

Round stock dimensions for pintle liner : 228mm OD x 228mm L

Liner dimensions are : (rough) 221mm OD x 210mm ID x 222mm L

3.1.9 add sentence "Contractor to supply unit price for machinist and machine per hour."

E-05 Gearbox Lube Oil Pre-Heat

No issues.

E-06 Steering Gear

No issues.

L-01 Fire Detection Systems

No issues.

L-02 Megger Testing

Megger reading blank and electrical index attached, requested during viewing.

L-03 Thermoscan

No issues.

L-04 Doppler Speed Log Upgrade

Lengths to be removed are the same lengths to be installed for bidding purposes.

L-05 Focle Deck Light Replacement

Contractor to reuse the existing cable.

L-06 Global Maritime Distress & Safety System Replacement

No issues.

Pricing Data Sheet

Leonard J Cowley

Annual Drydocking Refit 2017

Item	Description	Unit Cost	Total Cost (inc allowances)
H-01	Production Chart		\$
H-02	Services		
	3.1.1 Berthing		\$
	3.1.2 Gangways		\$
	3.1.3 Potable Fresh Water Unit cost \$ _____ m3 x 200 m3		\$
	3.1.4 Fire Main		\$
	3.1.5 Parking		\$
	3.1.6 Electrical Shore Power Unit cost \$ _____ x 150,000		\$
	3.1.7 Garbage Removal		\$
	3.1.8 Cranage Unit cost \$ _____ x 50 lifts		\$
	3.1.10 Oily Water Mixture unit cost \$ _____ (1000) x3		\$
	3.1.10 Oily Water Mixture unit cost \$ _____ (1000) x 7		\$
	Total Services		\$
H-03	Sea Trials		\$
	3.1.2 Allowance for Rolls Royce FSR		\$7,000.00
	3.1.2 Markup on allowance (maximum 10%)	_____ %	\$
	3.1.3 Allowance for Wartsila FSR		\$7,000.00
	3.1.3 Mark up on allowance (maximum 10%)	_____ %	\$
H-04	Fixed Foam and Wet Chemical		\$
H-05	Fixed Smothering Systems		\$
H-06	HVAC Duct Cleaning		\$
H-07	Liferafts and HRU's		\$
H-08	Lifeboats and Davits		\$
	1.8 Assistance to FSR 20 hrs x \$ _____ /hourly rate		\$
	1.4 Allowance for FSR		\$15,000.00
	1.6 Mark up on allowance (maximum 10%)	_____ %	\$
H-09	Shower Stall Repairs		\$
H-10	Lloyd's Special Survey Thickness Testing		\$
	3.1.2 Unit cost per shot \$ _____ x 800		\$
	3.1.3 Unit cost for man lift/operator \$ _____ x 8 hrs		\$
	3.1.7 Unit cost for tank watch/assistance \$ _____ x 100 hrs		\$
H-11	Sewage Treatment Plant		\$
	3.1.4 Unit cost for manhole stud \$ _____ x 4		\$
	3.1.5 Unit cost for coating \$ _____ sq ft x 10		\$
H-12	Galley Hood Cleaning		\$
H-13	Miranda Davit Annual Inspection		\$
	1.2 Assistance to FSR 40 hrs x \$ _____ /hourly rate		\$
HD-01	Drydocking		
	Docking		\$

Item	Description	Unit Cost	Total Cost (inc. allowance)
	Undocking		\$
	3.1.13 Unit cost for stainless steel bolt \$ _____ x 24		\$
HD-02	Underwater Hull Inspection		\$
HD-03	Cathodic Protection		\$
	3.1.1 Allowance for FSR		\$5,000.00
	3.1.1 Mark up on allowance (maximum 10%)	_____ %	\$
HD-04	SW Cooling Anti-Fouling System		\$
	3.1.1 Allowance for FSR		\$5,000.00
	3.1.1 Mark up on allowance (maximum 10%)	_____ %	\$
	3.1.3 Unit cost per screw \$ _____ x 5		\$
HD-05	Sacrificial Hull Anodes		\$
HD-06	Underwater Hull Painting		\$
	3.1.1 Unit cost for grit blasting \$ _____ m ² x 140		\$
	3.1.1 Unit cost for sweep blasting \$ _____ m ² x 1188		\$
	Unit cost for shelter \$ _____ m ² (100) x 2		\$
HD-07	Hull Painting Above Ice Belt		\$
	3.1.1 Unit cost for grit blasting \$ _____ m ² x 120		\$
	3.1.1 Unit cost for sweep blasting \$ _____ m ² x 800		\$
HD-08	Hull Butts and Seams		\$
	3.1.3 Unit cost per bead meter \$ _____ x 1220		\$
HD-09	Cooling Water Drains Tanks		\$
HD-10	Forward Capstan Hydraulic Motor		\$
	3.1.1.4 Allowance for FSR		\$10,000.0
	Mark up on allowance (Maximum 10%)	_____ %	\$
HD-11	Bilge Keels		\$
	3.1.3 Unit cost for gas freeing \$ _____ x 2		\$
HD-12	Grey Water Tank		\$
	3.1.3 Unit cost removal grey water \$ _____ m ³ x 5		\$
	3.1.7 Cost for thread cleaning docking plug in lathe		\$
	3.1.10 Unit cost for supply/repair coating \$ _____ m ² x 4.65		\$
HD-13	Fresh Water Tank Cleaning		\$
	3.1.2 Unit cost for water removal \$ _____ m ³ x 1		\$
	3.1.5 Unit cost for cleaning \$ _____ m ² x 100		\$
	3.1.10 Unit cost for manhole studs \$ _____ x 3		\$
	3.1.15 Unit cost for coating repair \$ _____ m ² x 1		\$
HD-14	Windlass Port and Stbd		\$
HD-15	Water Ballast Tank #5		\$
	3.1.7 Unit cost for grit blasting \$ _____ m ² x 180		\$
HD-16	Water Ballast Tanks		\$
	3.1.2 Unit cost for residue disposal \$ _____ m ³ x 2		\$
	3.1.9 Unit cost repairs/coating \$ _____ m ² x 100 (power tool)		\$
	3.1.9 Unit cost repairs/coating \$ _____ m ² x 100 (abrasive blast)		\$

Item	Description	Unit Cost	Total Cost (inc. allowance)
HD-17	Deck Workshop Ventilation		\$
HD-18	Forward Machinery Space Ventilation		\$
HD-19	Seabay and Seachest Coating		\$
	4.1.4 Unit cost high pressure water clean \$ _____ m ² x 165.5		\$
	4.1.8 Unit cost for grit blasting \$ _____ m ² x 165.5		\$
HD-20	Fuel Oil Tanks		\$
	3.1.2 Unit cost removal/disposal residual fuel \$ _____ m ³ x 17		\$
	3.1.4 Unit cost disposal fuel/water mix \$ _____ m ³ x 20		\$
	3.1.6 Cost to thread clean 14 docking plugs in lathe		\$
	3.1.7 Unit cost to fabricate new docking plug \$ _____ x3		\$
	3.1.10 Unit cost to replace manhole cover stud \$ _____ x3		\$
HD-21	Lube Oil Tanks		\$
	3.1.2 Unit cost to transfer and store 7 m ³ of oil		\$
	3.1.4 Unit cost for disposal oil/water mix \$ _____ m ³ x 10		\$
	3.1.9 Unit cost to replace manhole cover stud \$ _____ x 3		\$
HD-22	Sludge Tank		\$
	3.1.2 Unit cost for removal \$ _____ m ³ x 4		\$
	3.1.3 Unit cost for disposal residual oil/water \$ _____ ltrs x 200		\$
HD-23	Steering Compartment Bilge Painting		\$
	3.1.2 Unit cost for cleaning/degreasing \$ _____ m ² x 195		\$
	3.1.5 Unit cost for grit blasting \$ _____ m ² x 195		\$
	3.1.5 Unit cost to power tool cleaning \$ _____ m ² x 195		\$
HD-24	Anchor Chains and Chain Locker		\$
	3.1.10 Unit cost for cleaning \$ _____ m ² x 100		\$
	3.1.10 Unit cost for repairing tank coating \$ _____ m ² x 25		\$
HD-25	Bow Thruster Bilge Painting		\$
	3.1.4 Unit cost for cleaning/degreasing \$ _____ m ² x 115		\$
	3.1.6 Unit cost for power tooling \$ _____ m ² x 103.5		\$
	3.1.13 Unit cost for coating \$ _____ m ² x 115		\$
HD-26	Hull Repair on Stbd Aft Quarter		\$
	3.2.6 Unit cost for remove/disposal aviation fuel \$ _____ ltr x 6000		\$
	3.12.7 Unit cost to remove insulation \$ _____ m ² x 2		
HD-27	Funnel Structure Repair		\$
	2.5.5 Unit cost to repair funnel deck plating \$ _____ ft ² x 130		\$
	2.5.6 Unit cost to repair aluminum plating \$ _____ .25 m ² x .25		\$
E-01	Bow Thruster Survey		\$
	1.3 Allowance for FSR		\$10,000.00
	1.3 Mark Up on Allowance (maximum 10%)		\$
E-02	Port and Stbd Clutch Survey/Overhaul		\$
	1.2 Allowance for FSR		\$10,000.00
	1.2 Mark up on allowance (maximum of 10%)		\$

Item	Description	Unit Cost	Total Cost (inc. allowance)
	3.1 F Unit cost to ream hole for new fitted bolt \$ _____ x 10		
	3.1 K Unit cost for fitted bolt \$ _____ x 10		\$
E-03	Gearbox Bearing Replacement		\$
	1.5 Allowance for FSR		\$10,000.00
	1.5 Mark up on allowance (maximum of 10%)		\$
E-04	Rudder Propeller Shaft and Bearings		\$
	1.7 Allowance for FSR		\$70,000.00
	1.7 Mark up on allowance (maximum of 10%)		\$
	3.1.9 Unit cost for machinist \$ _____		
	3.1.9 Unit cost for the machine per hour \$ _____		
E-05	Gearbox Lube Oil Pre-Heat		\$
E-06	Steering Gear		\$
	3.1.3 Allowance for FSR		\$20,000.00
	3.1.3 Mark Up on allowance (maximum of 10%)		\$
L-01	Fire Detection Systems		\$
L-02	Megger Testing		\$
L-03	Thermoscan		\$
L-04	Doppler Speed Log Upgrade		\$
	3.1.30 Unit cost for supply & Install 10m:	*****	*****
	- Factory cable (SWE)	\$	
	- 6C 20AWG Shipboard Approved Marine	\$	
	- 8C 20AWG Shipboard Approved Marine	\$	
	- 4C 20AWG Shipboard Approved Marine	\$	
	- 6C 20AWG Shipboard Approved Marine	\$	
L-05	Focsle Deck Light Replacement		\$
L-06	Global Maritime Distress & Safety System Replacement		\$
	3.1.7 Unit cost to supply and install Roxtec gland (or equivalent) \$ _____ x 1		\$
	3.1.13 Unit cost for removal per m:	*****	*****
	ATU Control Cable Belden 9261	\$	
	ATU RF RG214	\$	
	LMR-400	\$	
	RG-214 MF/HF TeleX Rx	\$	
	RG214 MF/HF DSC RX	\$	
	RG-58 SP-Bus	\$	
	Belden 9261 Control Cable	\$	
	RG58 RF I/O	\$	
	DC Power	\$	
	Control Cable	\$	
	AC Feed	\$	
	RG214 (VHF Antenna)	\$	
	LMR-400-UF-FR	\$	
	SKANTI RG214 TX Cable	\$	
	SKANTI RG214 RX Cable	\$	

Item	Description	Unit Cost	Total Cost (inc. allowance)
	SKANTI Control Cable		
	3.1.24 Unit cost per meter of cable installed:	*****	*****
	GMD-2 LMR-400-UF-FR	\$	
	GMD-1 LMR-400-UF-FR	\$	
	GMD-5 NMEA 2000 Mini Device Cable Mini-C Factory Cable	\$	
	GMD-3 LMR-400-UF-FR	\$	
	GMD-4 LMR400 UF-FR Coax	\$	
	GMD-6 LMR-400-UF-FR	\$	
	GMD-7 LMR-400-UF-FR	\$	
	VHF #3-R/T LMR-400 UF-FR	\$	
	VHF #3 DSC LMR-400-UF-FR	\$	
	GMD-8 Canbus Communications Cable	\$	
	GMD-19 Power Cable 6/3 Marine AC Approved Cable Shielded	\$	
	GMD-14 Power Cable 6Awg 3 Conductor Marine Approved Shielded	\$	
	GMD-24 Power Cable 6Awg 3 Conductor Marine Approved Shielded	\$	
	GMD-11 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-12 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-15 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-16 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-18 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-31 6 Conductor 18Awg Marine Control Cable	\$	
	GMD-20 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-25 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-26 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-21 12/3 Marine AC Cable with Internal Braided Shield	\$	
	GMD-27 LAN Cable Belden 1300SB Cat5e	\$	
	GMD-29 Belden 2Pr-22	\$	
	GMD-32 6 STP Marine Approved Cable	\$	
	GMD-33 LAN Cable Belden 1300SB	\$	
	Navtex-1 LAN Cable Belden 1300SB Cat5e	\$	
	Navtex-4 Power cable Belden 9367	\$	
	VHF #3-GPS LAN Cable Belden 1300SB	\$	
	AC Feed 14/3 Marine Approved Cable	\$	
	Total Cost (taxes extra)		\$