

EXPLANATION OF CONSENT AGENDA ITEM E.1.c. (4) – April 15, 2015

ITEM:

A. Consideration of approving Change Order #2 to Kalmar USA, Inc. to increase P16475 for additional contingency monies, in the amount of \$257,000.00. These monies will be from the cancelled purchase order P16502 to NSL Engineering for the crane spreaders that CPA decided not to purchase from NSL. (Perley/Hicks)

B. Consideration of approving Change Order #3 to increase purchase order P16475, Kalmar USA, Inc, in the amount of \$356,040 for partial painting of the two STS Cranes as part of their Crane Refurbishment contract. (Perley/Hicks)

EXPLANATION:

At the February 18, 2015 Commission Meeting, the Board approved cancelling the bid award for new crane spreaders (Item E.1.c.(8)) and moving a portion of the monies to refurbish the existing crane spreaders.

As work progresses on the cranes, additional unforeseen issues have become known that will require additional funds that will go beyond the current contingency within the Kalmar contract. Staff is requesting that the remaining funds from the canceled purchase of the new crane spreaders be transferred into the contingency fund of the Kalmar contract to cover the remaining unforeseen items as the cranes begin their commissioning.

In addition to the unforeseen issues, the cranes have been noted by the consultants and the contractor that areas of unprotected metal on the cranes could create the potential for corrosion that could become friable. Specific areas of the cranes have been noted for touch up and to add safety painting on the lower portion of the cranes. This price will also include adding the Port Canaveral logo and an American flag to each crane.

Funding Review by Finance (Pat Poston):

The total NTE amount of \$613,040 for Change Orders #2 and 3 will exceed the capital budget by \$373,000. However if approved, funds will be reallocated from project 1651-Northside Cargo Backup Area and no increase in the FY15 capital budget will be required. [Budget item 1572 - Container Cranes]

Staff Recommends Approval

Prepared by: David W. Perley AIC/CPE



Canaveral Port Authority

Analysis-Crane Project

As of 4/8/15

		Task	Spent to Date	Encumbered Balance	Total Spent and Encumbered
CRANES & CRANE REFURBISHMENT - 157213065					
100	Engineering				
	CH2M Hill	Cargo Crane Refurbishment Management	115,236.52	71,417.59	186,654.11
	Casper Phillips & Assoc	Engineering support, bid package	153,382.50	101,617.50	255,000.00
	Reynolds Smith & Hill	Initial condition inspection	19,835.00		19,835.00
	Kocks Krane	Visual structural inspection	18,050.00		18,050.00
	Schlinder Elevator	Install control boxes		27,440.00	27,440.00
		Subtotals - 100	306,504.02	200,475.09	506,979.11
103	Other-Engineering				
	Daley Environmental	Fuel storage & delivery analysis, monitoring & air permit	14,270.00	9,445.00	23,715.00
		Subtotals - 103	14,270.00	9,445.00	23,715.00
125	Consultants				
	ABB Inc.	On-site engineering, raising booms	3,843.40	816.60	4,660.00
		Subtotals - 125	3,843.40	816.60	4,660.00
200	Construction GMP				
	Kalmar	Electrical repairs to cranes	1,917,876.17	1,146,316.23	3,064,192.40
		Subtotals - 200	1,917,876.17	1,146,316.23	3,064,192.40
201	CM@Risk Continuing Contract				
	Canveral Construction	Landside tie down	68,124.55	82,506.85	150,631.40
	Current agenda contract item	repairs/refurb crane			
		Subtotals - 103	68,124.55	82,506.85	150,631.40
300	Materials				
	Alimak Hek Inc	Crane Elevator Lift Repair	1,322.00	1,678.00	3,000.00
	Brevard Rigging & Supply	Crane refurb supplies	5,266.20		5,266.20
	Consolidated Electrical Distributors Inc	Crane refurb supplies	15,736.92		15,736.92
	Fastenal	Crane refurb supplies	6,428.21		6,428.21
	Florida Bulb & Ballast	Fuel/delivery cost	668.00		668.00
	Georgia Ports Authority	Spare parts for cranes	50,000.00		50,000.00
	Georgia Ports Authority	Overheight bars, spreader, 4 items on pallet, surplus parts	47,000.00	-	47,000.00
	Grainger Industrial Supply	Crane refurb supplies & equip	40,537.96		40,537.96
	Graphic Products	Labeling tape & supplies	5,774.68		5,774.68
	Graybar Electric Co Inc	Crane refurb supplies	7,300.48		7,300.48
	Hilti Inc	Crane refurb supplies	4,478.67		4,478.67
	Miller Bearings Inc	Crane refurb supplies	2,257.73		2,257.73
	Ring Power Corporation	Boom lift rental	46,050.00		46,050.00
	SF Travis Co Inc, The	Crane refurb supplies	1,939.58		1,939.58
	Sherwin Williams Company	Paint for cranes	131.98		131.98
	Space Coast General Contractors Inc	Fabricate and Supply 4 rail cl	9,995.00		9,995.00
	Teknet Electronics Inc	Crane refurb supplies	2,611.44		2,611.44
	United Rentals (North America) Inc	Forklift and generator rentals	14,699.30		14,699.30
	ASI	Spreader loading	-	900.00	900.00
	Miscellaneous - credit card purchases	Crane refurb supplies	8,768.43		8,768.43
		Subtotals - 300	270,966.58	2,578.00	273,544.58
310	Equipment/Tool				
	American Cruise Aid Logistics	Multiple pallets	1,950.00	50.00	2,000.00
	Georgia Ports Authority	Purchase 2 Kocks STS Cranes	50,000.00		50,000.00
	Grainger Industrial Supply	Crane refurb supplies	584.48		584.48
	Graphic Products	DuraLabel Toro Stand	1,499.00		1,499.00
	Graybar Electric Co Inc	Greenlee Battery Cut	6,704.47		6,704.47
	SF Travis Co Inc, The	Crane refurb supplies	1,117.52		1,117.52
		Subtotals - 310	61,855.47	50.00	61,905.47
320	Equipment/Rental				
	Ring Power Corporation	Boom lift rental	30,750.00	15,300.00	46,050.00
	Sunbelt Rentals	Forklift rental	1,427.70		1,427.70
	United Rentals (North America) Inc	Forklift & generator rental	23,248.35	-	23,248.35
		Subtotals - 320	55,426.05	15,300.00	70,726.05
350	Special Category Materials				
	OPD-Kalmar				
	Alimak Hek Inc	2 each STS Crane Elevator Safe	35,526.66	7,416.90	42,943.56
	Alimak Hek Inc	2 crane car top control	69,500.00	-	69,500.00
	ABB	ODP		10,794.00	10,794.00
	Coastal Hydrolics	ODP		23,818.00	23,818.00
	Conductix-Wampfler	Festoon System (2 ea)	80,971.84	242,915.50	323,887.34
	Conductix-Wampfler	2 Spreader cable reels	25,388.00	76,164.00	101,552.00
	Conductix-Wampfler	2 sets Crane buffers	8,000.00	18,582.83	26,582.83
	Bubenzler Bremsen America	2 sets crane brake system	-	161,410.76	161,410.76

Canaveral Port Authority

Analysis-Crane Project

As of 4/8/15

	Task	Spent to Date	Encumbered Balance	Total Spent and Encumbered
	Matrix Machine	ODP	-	21,770.00
			21,770.00	21,770.00
	Subtotals - 350		219,386.50	562,871.99
410	Service Contracts			
	ASI	Spreader relocation	2,932.00	2,932.00
	Big Red Inc	Repairs to crane	8,813.42	8,813.42
	Cargotec Crane & Electrical Services	Crane relocation	1,019,340.00	1,698,900.00
	Ring Power Corporation	Repair/tune-up	-	200,000.00
	Space Coast General Contractors Inc	Dog Bones	2,492.00	2,492.00
	Sims & Crane Equipment	Crane service	2,000.00	2,000.00
	Yancey Power Systems	Crane Diesel Engine Inspection	3,012.00	3,012.00
	Miscellaneous	Related costs	1,402.23	1,402.23
	Subtotals - 410		1,037,991.65	1,919,551.65
700	Miscellaneous Costs			
	Subtotals - 700		177.19	177.19
705	Advertising-Florida today			
	Subtotals - 705		3,140.82	3,140.82
730	Permits-Government Agency			
	Subtotals - 730		5,225.97	5,225.97
770	Express Mail			
	Subtotals - 770		118.61	118.61
TOTAL - CRANE & CRANE REFURBISHMENT			3,964,906.98	2,901,919.76
CRANE RAIL SYSTEM - 157214012				
100	Engineering			
	CH2M Hill	Rail support structures, design & construction services	231,930.00	231,930.00
	AECOM	Evaluate rail & crane beam mods	14,500.00	14,500.00
	Subtotals - 100		246,430.00	246,430.00
200	Construction GMP			
	Orion Marine Construction Inc	Crane rail construction	2,821,887.30	2,921,887.29
	Adjustment	Future insurance claims reserve	121,730.00	121,730.00
	Subtotals - 200		2,943,617.30	3,043,617.29
350	Special Category Materials			
	Atlantic Track & Turnout Co	Steel and other parts & supplies	314,963.29	314,963.29
	J D Fields and Company Inc	H-piles, coating	1,748,196.00	1,748,196.00
	Subtotals - 350		2,063,159.29	2,063,159.29
TOTAL - CRANE RAIL SYSTEM			5,253,206.59	5,353,206.58
GRAND TOTAL - CRANE PROJECT			9,218,113.57	12,220,033.32
	Funds held for insurance company/ Cargotec for festoons damage			(639,900.00)
	Refurbish spreader-anticipated costs			180,000.00

Items on agenda- April 15, 2015

4a	A. Consideration of approving Change Order #2 to Kalmar USA, Inc. to increase P16475 for additional contingency monies, in the amount of \$257,000.00. These monies will be from the cancelled purchase order P16502 to NSL Engineering for the crane spreaders that CPA decided not to purchase from NSL. (Perley/Hicks)	257,000.00
4b	B. Consideration of approving Change Order #3 to increase purchase order P16475, Kalmar USA, Inc, in the amount of \$356,040 for partial painting of the two STS Cranes as part of their Crane Refurbishment contract. (Perley/Hicks)	356,040.00
	Total all	12,373,173.32
Capital budet for Cranes		12,000,000.00
Net balance of budget for Crane project		(373,173.32)
Allocation of budget from NS Northside Cargo Backup - JL#1651		500,000.00
Net balance of budget for Crane project for other anticipated costs		126,826.68

Funding Note:

Total FDOT grant funds received to date for Crane Project
Total FDOT grant funds still available for Crane Project

Crane	Rail	Total
2,590,263.00	1,550,000.00	4,140,263.00
1,726,466.00		1,726,466.00
4,316,729.00	1,550,000.00	5,866,729.00

These are 50/50 match grants

Note-please refer to agenda items 4 a&b

Canaveral Port Authority

Analysis-Crane Project

SUMMARY

	Spent to Date	Encumbered Balance	Total Spent and Encumbered
CRANES & CRANE REFURBISHMENT - 157213065			
TOTAL - CRANE & CRANE REFURBISHMENT	3,964,906.98	2,901,919.76	6,866,826.74
CRANE RAIL SYSTEM - 157214012			
TOTAL - CRANE RAIL SYSTEM	5,253,206.59	99,999.99	5,353,206.58
GRAND TOTAL - CRANE PROJECT	9,218,113.57	3,001,919.75	12,220,033.32
Funds held for insurance company/ Cargotec for festoons damage			(639,900.00)
Refurbish spreader-anticipated costs			180,000.00
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These are 50/50 match grants

Note-please refer to agenda items 4 a&b



**CANAVERAL PORT AUTHORITY
CRANE ELECTRICAL REFURBISHMENT (CN14-008B)
KALMAR USA, INC.
CHANGE ORDER # 3**

Contract Total To Date **FROM: \$ 4,149,379.00**
Accounting Code: JL 1572-13065-200 P16475

ITEM 1 Partial painting of the two (2) STS Cranes as part
of the STS Crane Refurbishment project **INCREASE \$ 356,040.00**

TOTAL INCREASE: \$ 356,040.00

TO: \$ 4,505,419.00

NEW CONTRACT TOTAL

NET INCREASE: \$ 356,040.00

GENERAL: No changes other than those listed above are authorized.

IN WITNESS WHEREOF, the parties here to set their hands and seals this 15th day of April 15, 2015.

Inclusion of the Change Order #3 is recommended by:

Terry Hicks, Sr. Director, Facilities Construction & Engineering

CANAVERAL PORT AUTHORITY

KALMAR USA, INC.

BY: _____
Jerry W. Allender
Chairman

BY: _____

Attest: _____
Thomas W. Weinberg
Secretary/Treasurer

Attest: _____

April 1, 2015

Canaveral Port Authority
445 Challenger Road
Cape Canaveral, FL

Attn: Christine Hartnett, P.E.
Port Engineer

Ref: Crane Electrical Refurbishment
CN 14-008B / PUR-ITB-14-7-Revised
Request for Change Order for Painting

Christi,

Attached is the Groome Industrial Service Group proposal for painting Cranes 1 & 2 to the extent indicated in your markup of the Groome proposal of March 24 (a copy of which is also attached). If approved, please issue a change order to our contract in the amount of \$274,560.00 + 15% markup = \$315,744.00.

If Option 1 (painting of 2 spreaders) is accepted, add \$6,578.00

If Option 2 (paint crane yellow from ground up to 24 ft) is accepted, add \$33,718.00

KALMAR is agreeing to accept this change order without charge for Project Management with the understanding that, if accepted, this work will proceed immediately, while our personnel are still on site.

Regards,



Ed Johnston
Southeast Project Manager

\$356,040 - total



**CANAVERAL PORT AUTHORITY
CRANE ELECTRICAL REFURBISHMENT (CN14-008B)
KALMAR USA, INC.
CHANGE ORDER # 2**

	Contract Total To Date	FROM: \$ 3,892,379.00
	Accounting Code: JL 1572-13065-200 P16475	
ITEM 1	Additional contingency monies due to cancellation of P16502 to NSL Engineering for the crane spreaders not purchased.	INCREASE \$ 257,000.00
		TOTAL INCREASE: \$ 257,000.00
		TO: \$ 4,149,379.00
	NEW CONTRACT TOTAL	NET INCREASE: \$ 257,000.00

GENERAL: No changes other than those listed above are authorized.

IN WITNESS WHEREOF, the parties here to set their hands and seals this 15th day of April 15, 2015.

Inclusion of the Change Order #2 is recommended by:

Terry Hicks, Sr. Director, Facilities Construction & Engineering

CANAVERAL PORT AUTHORITY

KALMAR USA, INC.

BY: _____
Jerry W. Allender
Chairman

BY: _____

Attest: _____
Thomas W. Weinberg
Secretary/Treasurer

Attest: _____



GROOME INDUSTRIAL SERVICE GROUP

155 FRANKLIN TURNPIKE • WALDWICK, NEW JERSEY 07463 • (201) 445-6100 • FAX (201) 652-6394

April 1, 2015

Mr. Ed Johnston
Kalmar, The Americas
1470 Ben Sawyer Blvd., Ste 15
Mt. Pleasant, SC 29464

Re: Port Canaveral – REVISION I
Focused Maintenance Painting
Two (2) Kocks STS Gantry Cranes #73894 & #73897

Dear Mr. Johnston:

We have reviewed the Coatings Evaluation of 8/19/14. Due to timeframe constraints and the various schedules of individuals involved, we herewith submit the following coating products for review and approval:

<u>System:</u>	Full Prime	Amerlock Sealer (penetrating epoxy primer sealer, 1-2 mils)
	Spot Prime	Amercoat 240 (universal amine epoxy coating, 4-6 mils)
	Full Finish*	Amercoat 450HS (gloss aliphatic polyurethane topcoat, 2-3 mils)

** Two finish coats will need to be applied on all areas designated to be Safety Yellow in order to achieve a uniform appearance. The time and cost associated have been factored into this proposal.*

This is a premium industrial system. Dry film thickness of this system upon completion should be in the range of 7-11 mils minimum barrier and should provide years of corrosion protection as well as UV protection and gloss retention.

Our understanding is that the desired scope of work is to include a complete surface preparation specification, a full seal coat, spot prime, and a full finish coat. Work areas are detailed as follows:

Boom / Backreach:	Bottom, Sides (White)
Landside Stairwell:	All Structure + Handrails (Safety Yellow)
Machinery House:	Sides Only (Blue, TBD)
Trolley House:	Sides Only (Blue, TBD)

Timeframe: We anticipate the need for 4-7 weeks for this project depending on weather, access, and not-yet-defined restrictions specific to the site.

Access to the boom will be primarily from the roof of the trolley cart. Access to the crane stairwells and backreach will be from Port Canaveral's 180' man-lift. Access to the machinery house will be from the catwalks.



Kalmar, The Americas
Port Canaveral

April 1, 2015

Page Two

PRICE TO BE TWO HUNDRED SEVENTY-FOUR THOUSAND FIVE HUNDRED SIXTY
DOLLARS ***** (\$274,560.00)

OPTION #1:

Prepare and paint two (2) spreaders in conjunction with aforementioned project..... \$ 5,720.00

OPTION #2:

Prepare and paint base of cranes from ground to 24' in Safety Yellow..... \$ 29,320.00

We appreciate your decision to extend consideration to us for this project. Our experience, commitment to safety, and emphasis on delivering a quality product in an organized, timely manner means you will not regret that decision.

Please let us know if you have any questions, comments or concerns.

Respectfully submitted,

Josh Hanks

JPH/sph

299.1/15

“Since the effects of uncontrolled corrosion can be disastrous, both economically and otherwise, long term reliability of corrosion control systems is especially important”

-SSPC Technical Feature: Economics of Corrosion Control

We have over 30 years in the protective coatings business, and boast long-standing affiliations with both the SSPC and National Association of Corrosion Engineers (NACE). References of similar project work available upon request.

*** PROPRIETARY OR PRIVILEGED INFORMATION ***

The information contained in this document, including technical data and pricing values, is the property of Groome Industrial Service Group. It is disclosed in confidence and may be subject to Attorney-Client privilege. This information is to be used only to secure services from Groome Industrial Service Group and any unauthorized use, distribution, disclosure or review is prohibited.



CRANE SURFACE PREPARATION & PAINTING SPECIFICATIONS
Kalmar / Port Canaveral / Focused Maintenance Painting
Two Kocks STS Gantry Cranes

I. General

The Contractor shall furnish all labor, supervision, safety provisions, proper insurance coverage, materials, equipment, tools and scaffolding needed to perform the necessary surface preparation and application of all coatings required to complete the work described herein.

Potable water, rest rooms, break facilities, secure storage, electricity, and waste disposal will be provided by Kalmar or the facility owner.

The painting shall be done by skilled painters and/or qualified apprentices directed by same. The coating manufacturer's instructions regarding application shall be followed. Criteria of good workmanship shall be a proper surface preparation in accordance with this specification, a neat appearance of the finished surfaces, and the absence of ridges, sags, runs, drips, laps, and unnecessary brush marks.

A list of all personnel, including management, supervision, sub-contractors, and painters shall be provided. Undocumented workers will not be authorized on site.

The Contractor shall provide adequate supervision of the work at all times. The Owner's Representative shall have access to all work at the job site to ensure that the surface preparation, application and all aspects of the work are being performed according to the specifications.

II. Surface Preparation

All surface preparation and coating application to be done in accordance with both manufacturer's guidelines and Steel Structures Painting Council (SSPC).

Care will be taken to protect surrounding equipment, signage, wetlands, water bodies, facilities, and personnel during surface preparation and coating application.

Bulk dirt, oil, grease or chemical contamination shall be removed by means of a biodegradable citrus cleaner in unison with high pressure waterblasting (5,000-10,000 PSI) of exposed surfaces.

Waterblasting and painting operations shall be scheduled so that they will not be in progress at the same time or so that waterblasting is not in progress while there is wet paint within the range of the waterblasting process.

Solvent clean per SSPC-SP1 to further remove or neutralize any oil, dirt, grease, salts, or other contaminants which may adversely affect the coating adhesion.



Power-tool clean rusted, bare ferrous metal, or 'popping' paint surfaces down to bare metal per SSPC-SP3. Edges shall be feathered. Gloss areas on existing coatings will be abraded to provide a sound anchor pattern for topcoat.

Surfaces shall be clean, free from dust and dry before and during application of any paint.

III. Paint Application

Paint shall be furnished in unopened, clearly identifiable containers. No mixing of different paints shall be done without the express permission of the Owner's Representative or Paint Manufacturer's Representative.

After proper cleaning, a test patch of finish coating shall be required. The purpose of the test is to determine compatibility of specified coatings and existing coatings. This should be conducted as far in advance of actual project start as possible.

Paint shall be applied in accordance with the paint manufacturer's recommendation with approval of Paint Manufacturer's Representative and in accordance with the applicable portions of Steel Structures Painting Council Specifications SSPC-PA 1-64, "Shop, Field and Maintenance Painting".

The primer coat shall be measured in accordance with the Steel Structures Painting Council Specification SSPC-PA2. Edges shall be feathered to sound, intact paint, and spot-primed to full film thickness.

Paint shall be thinned only as recommended by the paint manufacturer and only with the manufacturer's thinners.

Paint shall be allowed to dry thoroughly and/or allowed to dry the minimum time specified by the Paint Manufacturer's Representative prior to the application of a succeeding coat.

Paint shall be applied brush and roll only on exposed surfaces. Paint shall be worked into crevices and corners and runs or sags shall be brushed out in order to assure no air pockets, solvent bubbles, "mud cracks" or voids.

VII. Quality Control / Quality Assurance

Daily weather logs will be kept by the Safety and Environmental person denoting wind direction, approximate velocity, ambient temperature, surface temperature, dry bulb, humidity, dewpoint, and wet bulb. These measurements will be taken at least every two hours. Copies of it will be made available to the Owner's Representative upon request.

All areas of the crane will be made available to designated Port inspection personnel, their representatives, and coating manufacturer personnel throughout the entire project.



Upon completion of waterblast in each area, and not more than 48 hours before prime coat is applied, Elcometer 134 Chlor-Tests will be performed as necessary to ensure the chloride levels are within acceptable parameters.

A QC/QA log will be kept noting dates surface preparation was completed and coatings applied. A new log will be kept for each day to indicate that all project steps have been completed in the order specified prior to the next sequential step being started. This will be overseen by the Foreman and Safety & Environmental Person. This log will also track coating thickness to ensure proper millage has been achieved before subsequent coatings are applied.

Sample QA/QC Log to be provided by contractor at time of proposal.

IV. Owner Inspection

Materials furnished and/or used by the Contractor in connection with the painting work shall be subject to inspection and approval by the Owner's Representative. Any materials not meeting the specified requirements will be rejected and shall be replaced at once by the Contractor with materials of the specified type and quality.

All paint containers shall be clearly labeled. Labels or technical data sheets shall show name and type of paint, lot or batch number, color and any instructions for mixing and/or reducing. MSD sheets shall accompany all such products brought on site. Cleaning and application procedures shall be subject to inspection by the Owner's Representative. Any materials which have been, in the Owner's Representative opinion, improperly applied or excessively damaged shall be removed and replaced to the satisfaction of the Owners Representative.

Dry film measurements shall be taken with a Nordson "Mikrotest" Dry Film Thickness Gauge throughout the cranes, and noted on a Pre-Application Drawing so that baseline thickness measurements exist. Gauges used for measuring thickness shall be calibrated on a common test block in order that readings by the Contractor and/or the Owner's Representative will be consistent.

III. Paint System

The approved paint system shall be as specified by PPG Protective & Marine Coatings and shall be applied in the following order:

- A. Spot Seal: All exposed ferrous substrates shall be spot primed with Amerlock Sealer, at a dry film thickness of 1-2 mils.
- B. Spot Prime: After spot sealing, all substrates shall receive a spot prime coat of Amercoat 240, at a dry film thickness of 4-6 mils.
- C. Finish Coat: After application of a spot prime coat, all substrates shall receive a coat of Amercoat 450HS, in colors specified, at a dry film thickness of 2-3 mils.

Manufacturer's guidelines for application shall be strictly adhered to without deviation, unless approved by manufacturer in writing.



VI. Safety & Environmental

At the time of award, the contractor will furnish a Site-Specific Safety & Environmental Manual detailing, at a minimum, the following items:

- a. Facility Information
- b. Project Safety Hazards & Solutions
- c. Project Environmental Hazards & Solutions
 - o Hazardous Materials Storage Guidelines
 - o Product Data Sheets
 - o Material Safety Data Sheets
 - o Process Water Collection & Disposal Methods
 - o Storm Water Protection Plan
 - o Emergency Evacuation Procedure
 - o Spill Response Procedure
- d. List of Fuelled Equipment to be Used On-Site by Contractor
- e. Site Map (indicating prevailing wind direction, major structures, water flow direction, storm water drainage points, and evacuation route).

No paint chips, grease, oils, paint drops, or project bi-product shall be permitted to enter waterways or surrounding wetlands.

The Contractor will designate a project-specific Safety and Environmental Person, with authority to stop the job if any safety or environmental regulations are breached.

The on-site job foreman and/or designated safety and environmental person will monitor the prevailing winds on a daily basis. Site-specific offshore winds will cause a cessation or a modification of the paint operation. This will be done to protect any airborne particles from entering the water.

Prior to the start of the job, a safety meeting will be held at the site to discuss all precautions and safety measures to be taken while working at the terminal. Each Groome employee will be issued a copy of the Site-Specific Safety and Environmental Manual especially prepared for this project. The job foreman and/or the ground safety person will review this manual with the crew to ensure that all employees understand the safety procedures as well as what to do in the event of an evacuation or spill emergency.

Daily Tool Box Meetings will be held and documented.

All workers employed at the job site will be supplied with proper OSHA compliant safety gear, hard hats, hearing protection, safety glasses, etc. Any rigging, scaffolds, etc. utilized at the job-site will be OSHA compliant as well.

All workers at the job site will have a thorough understanding of the scope, environmental concerns, hazards, and objectives of this project.

All workers will at all times adhere to the safety regulations put forth by Groome and terminal management. The job foreman and/or ground safety person will coordinate all safety measures with the cognizant person in charge of safety at the facility. All these precautions will be taken to ensure, as much as possible, the safety of all workers employed at the site.



The designated Safety and Environmental person will ensure that a wind indicator is installed on the crane or cranes being worked on to give a ground indication of wind direction. The wind indicator will be visible from the ground and will allow the Safety and Environmental person to monitor any wind shift that would allow paint droplets and/or particles to fly into the water. In such instances the work will be shifted to areas on the crane that are less vulnerable to the wind shift. Work will be stopped if the wind intensity or direction are such that contamination could occur. This will be the sole decision of the Safety and Environmental person.

One Groome employee will be designated to carry out the policing of the work areas. This will be done to ensure that no debris is left lying around, thus creating a potential danger or fire hazard. The job foreman will oversee this aspect of the job and ultimately be responsible for this portion of the operation.

VIII. Guarantee

Contractor guarantees the work specified for a period of one (1) year from completion.

We agree to repaint, to the reasonable satisfaction of the Owner, any or all such work that may prove defective in workmanship within that period. Ordinary wear and tear, unusual abuse or neglect, together with any other work which may be damaged or displaced in the process is exempt. Suspected defects must be brought to the contractor's attention within 10 calendar days of evidence, so that an inspection may be scheduled and spread of corrosion is minimized.

*** PROPRIETARY OR PRIVILEGED INFORMATION ***

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GROOME INDUSTRIAL SERVICE GROUP

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356820+ 15% kalmar
\$410,343
33320 Trolley House: Logos
Timeframe May 21

March 24, 2015

Mr. Ed Johnston
Kalmar, The Americas
1470 Ben Sawyer Blvd., Ste 15
Mt. Pleasant, SC 29464

Re: Port Canaveral
Focused Maintenance Painting
Two (2) Kocks STS Gantry Cranes #73894 & #73897

Dear Mr. Johnston:

We have reviewed the Coatings Evaluation of 8/19/14. Due to timeframe constraints and the various schedules of individuals involved, we herewith submit the following coating products for review and approval:

System:	Full Prime	Amerlock Sealer (penetrating epoxy primer sealer, 1-2 mils)
	Spot Prime	Amercoat 240 (universal amine epoxy coating, 4-6 mils)
	Full Finish*	Amercoat 450HS (gloss aliphatic polyurethane topcoat, 2-3 mils)

** Two finish coats will need to be applied on all areas designated to be Safety Yellow in order to achieve a uniform appearance. The time and cost associated have been factored into this proposal.*

This is a premium industrial system. Dry film thickness of this system upon completion should be in the range of 7-11 mils minimum barrier and should provide years of corrosion protection as well as UV protection and gloss retention.

Our understanding is that the desired scope of work is to include a complete surface preparation specification, a full seal coat, spot prime, and a full finish coat. Work areas are detailed as follows:

Yes	<u>Boom / Backreach:</u>	Main Structure (White / Light Grey) + Handrails (Safety Yellow)
Yes	Landside Stairwell:	Sides: <u>BOTTOM ONLY</u> All Structure + Handrails (Safety Yellow)
?	Crane Base to 24':	Complete (Safety Yellow) <u>Price as OPTIONAL Add</u>
Yes	Machinery House:	Sides Only (Blue, TBD)
	Logos:	Corrugated Siding, TBD (<u>pricing not included here</u>) <u>CPA WILL HAVE LOGOS PRINTED & INSTALLED</u>

Timeframe: We anticipate the need for 5-8 weeks for this project depending on weather, access, and not-yet-defined restrictions specific to the site.

Access to the boom will be primarily from the roof of the trolley cart. Access to the crane base and stairwells will be from a man-lift. Access to the machinery house will be from the catwalks.

REMOVE COST
CPA HAS 180FT LIFT CAN USE