

STRUCTURAL REMEDIATION BID PACKAGE

PHASE III

FOR

SOUTH HAMPTON

ELECTROSTATIC COATING OF BUILDING GUARDRAILS

KINGSTON PLANTATION

MYRTLE BEACH, SOUTH CAROLINA



SUBMITTED BY





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SECTION I

SCOPE OF WORK



SCOPE OF WORK

PREPARED FOR (CLIENT): SOUTH HAMPTON PROPERTY OWNERS ASSOCIATION
PREPARED BY: MUHLE CONSULTING
DATE: 12 AUGUST 2019
JOB #: 18-LTL-002-III
PHASE #: THREE (III)
REVISION #: TWO (2)
PROPERTY: SOUTH HAMPTON, KINGSTON PLANTATION
WORK LOCATION: GUARDRAIL, BALCONY & WALKWAY
ENGINEER OF RECORD: JONATHAN BLACK, PE

- PAYMENT TO THIRD PARTY TESTING FIRM FOR REQUIRED NON-DESTRUCTIVE TESTING WILL BE THE RESPONSIBILITY OF SOUTH HAMPTON HORIZONTAL PROPERTY REGIME.
- THIRD PARTY NON-DESTRUCTIVE TESTING TO BE COMMISSIONED AT THE DISCRETION OF THE ENGINEER OF RECORD.
- REQUIRED PAYMENT TO CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSULTANT WILL BE THE RESPONSIBILITY OF SOUTH HAMPTON HORIZONTAL PROPERTY REGIME, SHOULD CONSULTATION BE NECESSARY.

ENGINEERED DRAWINGS/SPECIFICATIONS/PHOTOS

ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:

- REPAIR METHOD #1

PERMITS

SUCCESSFUL CONTRACTOR RESPONSIBLE FOR OBTAINING THE FOLLOWING PERMITS:

- ISSUED BY Horry COUNTY BUILDING DEPARTMENT AND ALL WORK TO BE PERFORMED IN ACCORDANCE WITH IBC 2018 BUILDING CODES.

MOBILIZATION AND INSTALLATION PROCEDURE

FURNISH ALL MATERIAL, EQUIPMENT & LABOR IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS TO ACCOMPLISH THE FOLLOWING:

- OCCUPY WORK LAY-DOWN AREA AS APPROVED BY THE HOA.
- PROTECT MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS IN AREA AND PERIMETER VEGETATION.

PROPOSAL & BREAK-OUT PRICING

ALL PRICING TO BE SUBMITTED IN ACCORDANCE WITH THE FOLLOWING:

- REPAIR METHOD #1

NOTE: ESTIMATED QUANTITY PROVIDED FOR BID SUBMISSION PURPOSES (SEE SECTION IV). PROVIDED QUANTITIES ARE ESTIMATES UNTIL PROJECT COMPLETION. A CREDIT OR DEBIT WILL BE ISSUED UPON PROJECT COMPLETION.



CONTRACTUAL OBLIGATIONS

- SUCCESSFUL CONTRACTOR NOTIFIED IN WRITING OF AWARD MUST SUBMIT CONTRACT OF SERVICES TO BE REVIEWED AND APPROVED BY HOA AND PROPERTY MANAGER.
- CONTRACTOR TO PROVIDE TIME OF COMPLETION IN PROPOSAL AND CONTRACT OF SERVICES.
- CONTRACTOR TO PROVIDE TERMS OF PAYMENT IN PROPOSAL AND CONTRACT OF SERVICES.
- CONTRACTOR TO PROVIDE TERMS OF WARRANTY IN PROPOSAL AND CONTRACT OF SERVICES.
- CONTRACTOR TO INCLUDE HOA AS ADDITIONALLY INSURED. ALL CONTRACTOR INSURANCE POLICIES SHALL BE ENDORSED TO INCLUDE OWNER AS AN ADDITIONAL INSURED (ADDITIONAL INSURED ENDORSEMENT CG 2010 11 85 EDITION OR EQUIVALENT REQUIRED) WITH COMPLETED OPERATIONS COVERAGE. SUCH ADDITIONAL INSURED COVERAGE WITH COMPLETED OPERATIONS COVERAGE SHALL BE PRIMARY AND NONCONTRIBUTORY. SHOULD THIS COVERAGE CEASE TO EXIST OR LAPSE AT ANY TIME, CONTRACTOR SHALL BE DEEMED TO BE IN MATERIAL BREACH OF THIS AGREEMENT.
- CONTRACTOR SHALL REQUIRE ALL SUBCONTRACTORS TO MAINTAIN INSURANCE POLICIES ENDORSED TO INCLUDE OWNER AS AN ADDITIONAL INSURED (ADDITIONAL INSURED ENDORSEMENT CG 2010 11 85 EDITION OR EQUIVALENT REQUIRED) WITH COMPLETED OPERATIONS COVERAGE. SUCH ADDITIONAL INSURED COVERAGE WITH COMPLETED OPERATIONS COVERAGE SHALL BE PRIMARY AND NON-CONTRIBUTORY. SHOULD THIS COVERAGE CEASE TO EXIST OR LAPSE AT ANY TIME, CONTRACTOR SHALL BE DEEMED TO BE IN MATERIAL BREACH OF THIS AGREEMENT.
- CONTRACTOR TO PROVIDE PERFORMANCE BOND FOR VALUE OF PROJECT OR SUM DESIGNATED BY HOA ATTORNEY.
- CONTRACTOR TO PROVIDE LIQUID DAMAGES IN THE AMOUNT OF \$500 PER DAY FOR EVERY WORKING DAY MONDAY THROUGH SATURDAY THE SCOPE OF WORK IS NOT COMPLETED PAST THE CONTRACT COMPLETION DATE.
- CONTRACTOR TO PROVIDE JOB SUPERINTENDENT(S) TO BE PRESENT DURING ALL WORK ACTIVITIES.
- CLEAN-UP WORK-SPACE AND SURROUNDING AREAS.
- CONTRACTOR TO PROVIDE REQUEST FOR PAYMENT TO BE APPROVED BY ENGINEER OF RECORD IN AIA FORMAT.
- PROOF OF INSURANCE (\$1,000,000.00 LIABILITY)
- TIME OF COMPLETION.
- TERMS OF PAYMENT.
- TERMS OF WARRANTY.
- CONTRACTOR TO PROVIDE MINIMUM (3)-CLIENT WORK REFERENCES.
- CONTRACTOR TO PROVIDE TIME SHEETS AND MATERIAL PURCHASE RECEIPTS FOR ALL CHANGE-ORDER WORK.
- CONTRACTOR TO PROVIDE STANDARD MARK-UP FEE/PERCENTAGE OF WORK CHANGE ORDERS.



SECTION II

REPAIR METHOD



REPAIR METHOD

METHOD #1

REMOVAL OF EXISTING GUARDRAIL COATING AND APPLICATION OF ELECTROSTATIC COATING.

- 1) PROVIDE CONSTRUCTION BARRIER AROUND AREA BELOW AND NECESSARY STRUCTURAL COMPONENT SHORING TO PROTECT PUBLIC.
- 2) REMOVE EXISTING COATING VIA HIGH PRESSURE DUSTLESS SANDBLAST. WATER TO BE USED AS REQUIRED TO MINIMIZE DUST.
- 3) HAND SAND THE GUARDRAILS TO ENSURE A SMOOTH SURFACE.
- 4) PROVIDE PROTECTION FROM OVERSPRAY AT FLOORS, WALLS, SLIDING GLASS DOORS AND WINDOWS.
- 5) CLEAN GUARDRAILS WITH SOLVENT IMMEDIATELY PRIOR TO ELECTROSTATIC COATING APPLICATION.
- 6) APPLY TWO (2) COATS OF FUTURAC TWO-PART ACRYLIC URETHANE ELECTROSTATIC PAINT (SEE SPECIFICATIONS).



SECTION III
SPECIFICATIONS



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Futurac

DESCRIPTION: A two-component acrylic urethane formulated for use with electrostatic handguns. Futurac offers exceptional gloss retention and weather ability equal to 3 or 4 times that of conventional high-grade enamel. It is resistant to gasoline, hydraulic fluids, liquid coolants and most chemical fumes or spills. Heat resistant to 300°F.

USES: Futurac is an excellent finish for storage tanks, window mullions, metal buildings, awnings, wrought iron railings, fences, recreation equipment, commercial vehicles and hundreds of other items.

APPLICATION: Futurac is formulated to spray without adjustment with the Ransburg #2 handgun. Application by other types of electrostatic equipment may require only a slight viscosity adjustment. The electrical conductivity (polarity) of the product is factory adjusted. Futurac is also highly recommended for other types of spray application. Consult your Perfection Electrostatic Paint representative or distributor for application information.

METALLIC APPLICATION: Should be applied in 3 – 1 mil wet coats over a white base to allow the metallic particles to lie down.

SURFACE PREPARATION AND LIMITATIONS: It is imperative that all surfaces be properly prepared in order to achieve the adhesion and performance that this product is designed to give. To avoid possible lifting of a previous coating, it is advisable to apply a test area. There is no induction time required for this product; however, the usable life of the catalyzed mixture is 8 hours or less at temperatures of 77°F or lower. Under no circumstances should this product be applied after the mixture begins to thicken in the can. NOTE: The catalyst for Futurac, 2414B contains aliphatic polyisocyanates, a chemical that can cause permanent lung damage. Can label and MSDS warnings must be strictly followed.

APPEARANCE: High Gloss (95°+ reading on 60° gloss meter). Semi-Gloss (55°-65° on 60° gloss meter). Satin (20° reading on 60° gloss meter).

COVERAGE: 350-375 sq. ft. per gallon. To achieve maximum durability 3 wet mils must be applied. Note: All colors are lead-free. Dark and bright colors produce far less hiding power than pastels or whites.

DRY TIMES: At 70° F - To touch – 15-30 minutes. To handle – 3-5 hours (at temperatures above 70°). To recoat – no restrictions up to 36 hours. If recoated after 36 hours, sanding is required to assure inter-coat adhesion. Fully cured after 7 days. Optimum coating temperature for application is 70°-77° F. **Temperature restrictions:** Surface of painted part and air temperature must remain over 60° + F prior to application and for at least 2 hours after coating application for proper cure.

FLASH POINT: 35° F (tag closed cup)

THINNING: Not necessary. To retard flash off time add 4-8 ounces of SC100 Solvent.

MIX RATIO: 7 parts A to 1 part B (catalyst)

COLORS AVAILABLE: All colors, including custom-matched metallics.

PRIMER RECOMMENDED: Perfection Epoxy Glaze Primer. Priming is necessary for all bare metal surfaces; contact your Perfection representative for all other surfaces.

Type	Gloss	Dry Time				Solids		Coverage	VOC	Thinner	Clean Up
		Recoat	Handle	Force	Cure	Wt	Vol				
Acrylic	See Above	4 hrs.	3 Hrs	Low Temp <180 degrees	7 Days	49%	33%	Approx. 350 sq. ft. per gln.	5.05 Lbs. Per Gallon 576 Grams per Liter Max.	Xylene	Xylene

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