COUNCIL AGENDA STATEMENT

Meeting Date: February 11, 2025

To: Honorable Mayor and Council Members

From: Dan Saus, Utility Director

Through: George Garrett, City Manager

Agenda Item: **Resolution 2025-09** Awarding The Contract For The Area 3 Coatings Upgrade To Reynolds Construction, LLC In An Amount Not To Exceed $293,287.00; Authorizing The City Manager To Enter Into Agreements In Connection Therewith, Appropriating And Expending Budgeted Funds; And Providing For An Effective Date

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BACKGROUND & JUSTIFICATION:
The city continues to have corrosion issues at the Area 3 wastewater treatment facility. Previous coating improvements have improved the durability, but it continues to be a corrosion problem. This upgrade uses the latest available coatings to achieve the maximum amount of corrosion protection available at this time. The headworks platform, the filter platform and the chlorine contact basin are all included in this proposal.

CONSISTENCY CHECKLIST:	Yes	No
1. Comprehensive Plan	____	____
2. Other –Sewer Mandate	____	____

FISCAL NOTE:
Approval will appropriate funds in the wastewater utility budget for this project.

RECOMMENDATION:
Approve Resolution

Sponsored by: Garrett

CITY OF MARATHON, FLORIDA
RESOLUTION 2025-09

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MARATHON, FLORIDA, AWARDING THE CONTRACT FOR THE AREA 3 COATINGS UPGRADE TO REYNOLDS CONSTRCUTION, LLC IN AN AMOUNT NOT TO EXCCED $293,287.00; AUTHORIZING THE CITY MANAGER TO EXECUTE THE CONTRACT AND EXPENDING BUDGETED FUNDS ON BEHALF OF THE CITY; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the city requires an upgrade to the coatings on the chlorine contact tank, the headworks, and the filter platform at the Area 3 treatment plant, and

WHEREAS, Reynolds Construction, LLC has a continuing services agreement with the city, and,

WHEREAS, staff recommends this contract for approval.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MARATHON, FLORIDA, THAT:

Section 1. The above recitals are true and correct and incorporated herein.

Section 2. The City Council hereby authorizes the City Manager to enter into an agreement and expend budgeted funds on behalf of the City to Reynolds Construction, LLC in the amount not to exceed $293,287.00.

Section 3. This resolution shall take effect immediately upon its adoption.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF MARATHON, FLORIDA, THIS 11th DAY OF FEBRUARY 2025.

THE CITY OF MARATHON, FLORIDA

_____
Mayor Lynn Landry

AYES:
NOES:
ABSENT:
ABSTAIN:

ATTEST:

_____
Diane Clavier, City Clerk

(City Seal)

APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE USE AND RELIANCE OF THE CITY OF MARATHON, FLORIDA ONLY:

_____
Steve Williams, City Attorney

City of Marathon
Mr. Dan Saus
Marathon, FL 33050

January 17, 2025

RE: City of Marathon
Corrosion and Coatings Remediation
Service Area 3

Mr. Saus:

Reynolds Construction (RC) appreciates the opportunity to assemble a proposal to remediate and restore heavily corroded areas on the chlorine contact chamber, headworks platform and the disk filter platform.

Based on jobsite reviews with the City of Marathon, and input from TNEMEC, Reynolds proposes to complete the scope of work as further outlined individually, or as a complete package as discounted.

- Chlorine Contact Chamber (CCC) – *TNEMEC 120-5002 (2 coats, not 1), 120-5001 (2 coats, not 1)*
  - $209,277.42
- Headworks Platform - *TNEMEC 135/1094 (pending level of corrosion and prep, may be 2 coats of 135)*
  - $67,841.68
- Filter Platform - *TNEMEC 135/1094 (pending level of corrosion and prep, may be 2 coats of 135)*
  - $20,547.08
  - Total of three (3) locations if the package is determined to be completed in whole (3 areas).
    - $293,287.00 *(two hundred ninety-three thousand two hundred eighty-seven and zero)*

Scope of work includes, but is not limited to:

- Complete blasting per SP10 on the interior with a complete recoating of the CCC interior. The exterior mechanical cleaning and then re-coat in whole.
- Combination of mechanical cleaning and spot blasting for preparation and a complete recoating of the entire headworks platform in addition to grating removal and re-anchoring with alternative clamping mechanisms to reduce future corrosion.
- Spot blasting and paint touch-ups on heavily corroded areas of the disk filter platform.

The Reynolds Florida Keys team is appreciative of the opportunity to provide this quotation and is looking forward to the prospect to work with the City of Marathon staff.

Respectfully Provided:
Reynolds Construction, LLC

Joshua R. Vondersaar

FLORIDA PROTECTIVE COATINGS SERVICES, INC.
Independent Representative of Tnemec Company, Inc.
13701 Southwest 24th Street Davie, FL 33325 TEL: 407-322-1243 www.tnemec.com/fpcs

SPECIAL PRICE & COVERAGE SCHEDULE

CUSTOMER:	**Reynolds Construction**
DATE:	**January 15, 2025**
PROJECT:	**Any**
LOCATION:	**Florida Keys**
SPECIFIER:	

Freight Policy: 0-25 Gallons = $135.00, 26-99 Gallons = $175.00, 100 Gallons or More = Freight Free. Separate Freight Charges apply for Decorative Flake and Quartz. Charges may apply for additional services by the carrier (lift gate, redelivery, reconsignment, etc.)

Price per gallon is based on 5 gallon pails. Add $3.00 per gallon if purchased in 1 gallon cans.
All products containing the word "Kit" in the DESCRIPTION column are listed per KIT (NOT per gallon).

Orders may be subject to raw material shortage surcharge fees due to escalation inflation and shortages.

PRODUCT TNEMEC SERIES	DESCRIPTION	S.B.V.	DFT (Mils)	THEOR. CVG. RATE (ft² per Gallon/Kit/Ct)	PRICE (Gallon/Kit/Ct)	THEOR. COST per ft²
135	Regular	82.0%	5.0	263	$129.20	$0.49
1095	Regular Semi-Gloss	66.0%	3.5	302	$129.66	$0.43
1095-DT	Deeptone Semi-Gloss	66.0%	3.5	302	$158.90	$0.53
120-5002	Beige Primer	89.0%	15.0	95	$178.97	$1.88
120-5001	Gray Finish	89.0%	15.0	95	$178.97	$1.88
41-10	Thinner: Series 1094, 1095, 1096			NA	$59.34	NA
41-18	Thinner: Series 135 Brush/Roll			NA	$76.05	NA
41-19	Thinner: Series 120			NA	$56.53	NA

TNEMEC

PRODUCT DATA SHEET

CHEMBUILD® SERIES 135

PRODUCT PROFILE

GENERIC DESCRIPTION Modified Polyamidoamine Epoxy

COMMON USAGE High-build coating with superior wetting for marginally prepared rusty steel and tightly adhering old coatings. Excellent abrasion-, chemical- and corrosion-resistance. Perfect foundation for aliphatic-polyurethanes. NOT FOR IMMERSION SERVICE.

COLORS DC74 Off-White, 1243 Metallic Aluminum and more: refer to Tnemec Color Guide.
Note: Epoxies chalk with extended exposure to sunlight. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial stages of curing may cause yellowing to occur.

FINISH Semi-gloss

PERFORMANCE CRITERIA Extensive test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

PRIMERS
Steel: Self-priming
Galvanized Steel and Non-Ferrous Metal: Self-priming

TOPCOATS Series 6, 30, 35, 66, L69, L69F, N69, N69F, V69, V69F, 73, 84, 104, 115, 161, 1028, 1029, 1070, 1071, 1072, 1074, 1074U, 1075, 1075U. **Note:** When topcoating with Endura-Shield polyurethane finish, exterior exposed Series 135 has the following maximum time to recoat: Series 73, 1074/1074U or 1075/1075U, 60 days. Series 1070, 1071 or 1072, 14 days. If these times are exceeded, an epoxy intermediate coat or scarification is required before topcoating. Refer to appropriate topcoat data sheet for additional information.

SURFACE PREPARATION

STEEL Abrasive blast cleaning to SSPC-SP6/NACE 3 generally produces the best coating performance. If conditions will not permit this, Series 135 may be applied to SSPC-SP2 or SP3 Hand or Power Tool Cleaned surfaces.

GALVANIZED STEEL & NON-FERROUS METAL Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services.

PAINTED SURFACES Test patch is recommended.

ALL SURFACES Must be clean, dry and free of oil, grease and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS 84.0 ± 2.0% (mixed) †

RECOMMENDED DFT
Conventional Build: 4.0 to 6.0 mils (100 to 150 microns) per coat.
Hi-Build: 7.0 to 9.0 mils (180 to 230 microns) per coat.
Note: Number of coats and thickness requirements will vary with substrate, application method and exposure. Contact your Tnemec representative.

CURING TIME

Temperature	To Touch	To Handle	To Recoat
75°F (24°C)	6 hours at 5.0 mils DFT (125 microns)	18 hours	24 hours

Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS EPA Method 24 **Unthinned:** 0.72 lbs/gallon (86 grams/litre)
Thinned 15% (No. 19 Thinner): 1.91 lbs/gallon (229 grams/litre)
Thinned 15% (No. 18 Thinner): 2.05 lbs/gallon (246 grams/litre)
Thinned 15% (No. 62 Thinner): 0.72 lbs/gallon (86 grams/litre) †

HAPS
Unthinned: 1.29 lbs/gal solids
Thinned 15% (No. 19 Thinner): 2.54 lbs/gal solids
Thinned 15% (No. 18 Thinner): 1.29 lbs/gal solids

THEORETICAL COVERAGE 1,347 mil sq ft/gal (33.1 m²/L at 25 microns). See APPLICATION for coverage rates. †

NUMBER OF COMPONENTS Two: Part A and Part B

MIXING RATIO By volume: Four (Part A) to one (Part B)

PACKAGING Five-Gallon Kit: Consists of four gallons of Part A in a five-gallon pail and one gallon of Part B in a one-gallon can. When mixed, yields five gallons (18.9L).
One-Gallon Kit: Consists of a partially filled one-gallon can of Part A and a partially filled one-quart can of Part B. When mixed, yields one gallon (3.79L).

NET WEIGHT PER GALLON Series 135: 12.30 ± 0.25 lbs (5.58 ± .11 kg) (mixed)
135-1243: 11.52 ± 0.25 lbs (5.23 ± .11 kg) (mixed) †

STORAGE TEMPERATURE Minimum 20°F (-7°C) Maximum 120°F (49°C)

TEMPERATURE RESISTANCE (Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHELF LIFE 24 months at recommended storage temperature.

FLASH POINT - SETA Part A: 75°F (25°C) Part B: 201°F (94°C)

HEALTH & SAFETY Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

CHEMBUILD® | SERIES 135

APPLICATION

COVERAGE RATES

Conventional Build (Spray, Brush or Roller)

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	5.0 (125)	6.0 (150)	269 (25.0)
Minimum	4.0 (100)	5.0 (125)	337 (31.3)
Maximum	6.0 (150)	7.0 (180)	224 (20.8)

High-Build (Spray Only)

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	8.0 (205)	9.5 (240)	168 (15.6)
Minimum	7.0 (180)	8.5 (215)	192 (17.8)
Maximum	9.0 (230)	11.0 (280)	150 (13.9)

Note: Can be spray applied at 7.0 to 9.0 mils (180 to 230 microns) DFT per coat when extra protection or the elimination of a coat is desired. Can be sprayed at 4.0 to 6.0 mils (100 to 150 microns) DFT per coat for use in systems requiring a conventional build. Brush or roller will normally achieve the 4.0 mil (100 microns) minimum for conventional build application. However, under certain conditions some colors may require two coats to achieve suggested film thickness. Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

MIXING

Power mix contents of each container, making sure no pigment remains on the bottom. Add the contents of the can marked Part B to Part A while under agitation. Continue agitation until the two components are thoroughly mixed. Do not use mixed material beyond pot life limits. **Note:** Both components must be above 50°F (10°C) prior to mixing. For application to surfaces between 50°F to 60°F (10°C to 16°C), allow mixed material to stand thirty (30) minutes and restir before using. For optimum application properties, blended components should be above 60°F (16°C).

THINNING

For air or airless spray, thin 10% to 15% or 3/4 pint to 1 1/4 pints (380 to 570 mL) per gallon with No. 19 or No. 62 Thinner. For brush or roller, thin 10% to 15% or 3/4 pint to 1 1/4 pints (380 to 570 mL) per gallon with No. 18 or No. 62 Thinner.

POT LIFE

8 hours at 50°F (10°C) 4 hours at 77°F (25°C) 2 hours at 100°F (38°C)

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E .070"	765 or 704	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	70-90 psi (4.8-6.2 bar)	20-30 psi (1.4-2.1 bar)

Low temperatures or longer hoses require higher pot pressure.

Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.017"-0.021" (430-535 microns)	3000-4200 psi (207-290 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.
Note: Series 135-1243 must be applied by brush or roller to achieve aluminum appearance. For spray application, contact your Tnemec representative.
Roller: Use 3/8" or 1/2" (9.5 mm or 12.7 mm) synthetic woven nap covers.
Brush: Use high quality natural or synthetic bristle brushes.

SURFACE TEMPERATURE

Minimum 50°F (10°C) Maximum 135°F (57°C)
The surface should be dry and at least 5°F (3°C) above the dew point. **Note:** Amine blush may develop during cure if the surface temperature drops below the minimum, particularly under high humidity. Blush must be removed prior to topcoating; contact your Tnemec representative.

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or MEK.

† Values may vary with color.

TNEMEC

PRODUCT DATA SHEET

ENDURA-SHIELD® SERIES 1094

PRODUCT PROFILE

GENERIC DESCRIPTION Aliphatic Acrylic Polyurethane

COMMON USAGE A user friendly, low VOC, aliphatic polyurethane coating that provides excellent color and gloss retention for exterior applications to steel, concrete and other substrates in commercial, industrial, and marine environments. Direct-to-Metal capability allows for a labor-saving, high-build, single coat application.

COLORS Refer to Tnemec Color Guide. **Note:** Certain colors may require multiple coats depending on method of application and finish coat color. When feasible, the preceding coat should be in the same color family, but noticeably different.

FINISH Gloss

SPECIAL QUALIFICATIONS Series 1094 meets the requirements of LEED-Low-Emitting Materials, Collaborative for High-Performance Schools-Paints & Coatings, WELL Building Standard-VOC Restrictions, and Living Building Challenge–Healthy Interior Performance. Contact your Tnemec representative for more information.

Series 1094 meets the accelerated weathering requirements of SSPC-Paint 36 (level 3A) Paint Standard.

COATING SYSTEM

PRIMERS

Steel: Self-priming or Series 1, 27, 66, L69, L69F, N69, N69F, V69, V69F, 90-75, 90-97, 90G-1K97, 91-H_2O, 94-H_2O, 98-H_2O, 104, 132, 133, 135, 138, L140, L140F, N140, N140F, 141, 161, 394, 1220, 1224.
Galvanized Steel & Non-Ferrous Metal: Series 66, L69, N69, V69, 1224. **Note:** For special galvanized surface preparation instructions, consult the latest version of Tnemec Technical Bulletin 10-78.
Concrete: Series 66, L69, L69F, N69, N69F, V69, V69F, L140, L140F, N140, N140F, 141, 161, 1224, 1254.
CMU: Series 1254.
Note: The following maximum recoat times apply; Series 141, 7 days; Series L69F, N69F, V69F, L140F, or N140F, 14 days; Series L69, N69, V69, L140, or N140, 21 days; Series 1, 27, 66, 104, 135, 161, 1254, 30 days; Series 132, 133, 138; 90 days, Series 394, 1220, 1224, 12 months. Series 90-75, 90-97, 90G-1K97, 91-H_2O, 94-H_2O, 98-H_2O, unlimited. Contact your Tnemec representative for specific recommendations.

SURFACE PREPARATION

STEEL SSPC-SP6/NACE 3 Commercial Blast Cleaning with a minimum angular anchor profile of 2.0 mils.

ALL SURFACES Must be clean, dry and free of oil, grease, chalk and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS 60.0 ± 2.0% (mixed) †

RECOMMENDED DFT

Topcoat Service: 2.0 to 5.0 mils (51 to 127 microns) per coat.
Direct-to-Metal; over Zinc or MIO-Zinc: 3.0 to 6.0 mils (76 to 154 microns).
Note: Number of coats and thickness requirements will vary with substrate, application method and exposure. For DTM or applications over zinc or MIO-zinc, consult the latest version of Tnemec Technical Bulletin 13-100 or contact your Tnemec representative.

CURING TIME

Temperature	To Touch	To Handle	To Recoat
75°F (24°C)	1-2 hours	9 hours	10-12 hours

To resist moisture: 8 hours. Curing time varies with surface temperature, air movement, humidity and film thickness. **Note:** For faster cure in temperatures down to 35°F (2°C), add No. 44-456 Urethane Accelerator, see separate product data sheet for cure information. **Note:** The use of Series 44-456 accelerator is not recommended when temperatures exceed 75°F (24°C).

VOLATILE ORGANIC COMPOUNDS

Unthinned: 0.63 lbs/gal (75 grams/litre) (TBAc Exempt)
Unthinned: 2.16 lbs/gal (259 grams/litre)
Thinned 10% (No. 10 Thinner): 1.60 lbs/gal (191 grams/litre) (TBAc Exempt)
Thinned 10% (No. 10 Thinner): 2.77 lbs/gal (332 grams/litre)
Thinned 10% (No. 46 Thinner): 0.69 lbs/gal (82 grams/litre) (TBAc Exempt)
Thinned 10% (No. 46 Thinner): 2.20 lbs/gal (263 grams/litre)

HAPS

Unthinned: 0.0 lbs/gallon solids
Thinned 10% (No. 10 Thinner): 0.03 lbs/gallon solids
Thinned 10% (No. 46 Thinner): 0.07 lbs/gallon solids

THEORETICAL COVERAGE 964 mil sq ft/gal (23.6 m²/L at 25 microns). See APPLICATION for coverage rates. †

NUMBER OF COMPONENTS Two: Part A and Part B

MIXING RATIO By volume: four (Part A) to one (Part B)

PACKAGING

	Part A (Partially filled)	Part B (Partially filled)	Yield (Mixed)
Large Kit	6 gallon pail	1 gallon can	5 gallons (18.9 L)
Small Kit	1 gallon can	1 quart can	1 gallon (3.79 L)

NET WEIGHT PER GALLON 10.86 ± 0.25 lbs (4.92 ± 0.11 kg) †

STORAGE TEMPERATURE Minimum 40°F (4°C) Maximum 110°F (43°C)

TEMPERATURE RESISTANCE (Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHELF LIFE Part A: 12 months; Part B: 12 months at recommended storage temperature.

FLASH POINT - SETA Part A: 45°F (7°C) Part B: 40°F (4°C)

HEALTH & SAFETY

Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

APPLICATION

COVERAGE RATES

Topcoat Service

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	2.5 (65)	4.0 (100)	385 (35.8)
Minimum	2.0 (50)	3.5 (90)	481 (44.7)
Maximum	5.0 (125)	8.5 (215)	192 (17.9)

Direct-to-Metal; over Zinc or MIO-Zinc

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	4.0 (100)	6.5 (165)	240 (22.4)
Minimum	3.0 (75)	5.0 (130)	321 (29.8)
Maximum	6.0 (150)	10 (255)	160 (14.9)

Note: Coverage rates based on unthinned material. Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

MIXING

Stir contents of the container marked Part A, making sure no pigment remains on the bottom. If using Series 44-456 accelerator, slowly add two (2) ounces of Series 44-456 per mixed gallon of Series 1094 while under agitation. **Note:** The use of more than the recommended amount of Series 44-456 accelerator will adversely affect performance.

Add the contents of the container marked Part B to Part A while under mechanical agitation. Continue agitation until the two components are thoroughly mixed. Do not use mixed material beyond pot life limits. **Caution: Part B is moisture-sensitive and will react with atmospheric moisture. Keep unused material tightly closed at all times. Do not reseal mixed material. An explosion hazard may be created.**

THINNING

Thinning is required for proper application. Use No. 10 Thinner. For air spray, airless spray, brush or roller, thin up to 10% or 12 ounces (354 mL) per gallon. **Note:** In areas that require lower VOC, use No. 46 Thinner.

POT LIFE

Without 44-456: 4 hours at 75°F (24°C)

With 44-456: 5 hours at 35°F (2°C) 4 hours at 55°F (13°C) 3 hours at 75°F (24°C)

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E	765 or 704	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	50-80 psi (3.4-5.5 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.013"-0.017" (330-430 microns)	2700-3500 psi (186-241 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.
Roller: Use 1/4" or 3/8" (6.4 mm or 9.5 mm) high quality synthetic woven nap roller cover. Do not use medium or long nap roller covers. Two coats are required to obtain dry film thickness above 3.0 mils (75 microns).
Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes. Two coats are required to obtain recommended film thickness.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 120°F (49°C)
The surface should be dry and at least 5°F (3°C) above the dew point.
Cure time necessary to resist direct contact with moisture at a surface temperature of 75°F (24°C) is 8 hours.

CLEANUP

Flush and clean all equipment immediately after use with xylene or MEK. Use Tnemec No. 74 Thinner when needed to comply with VOC regulations.

† Values may vary with color.

TNEMEC

PRODUCT DATA SHEET

VINESTER® 120-5002

PRODUCT PROFILE

GENERIC DESCRIPTION Novolac Vinyl Ester

COMMON USAGE A primer designed for superior protection against organic and inorganic acids and sour crude when stored at elevated temperatures in insulated tanks. Sprayable lining for tanks and vessels. Provides splash, spillage and fume protection for structural surfaces and secondary containment. **Note:** Contact your Tnemec representative or Tnemec Technical Services with specific chemical exposures.

COLORS 5002 Beige. Color change will occur when Series 120 is exposed to sunlight; also, batch-to-batch color variations can be expected.

FINISH Semi-gloss

PERFORMANCE CRITERIA Extensive test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

SURFACER/FILLER/PATCHER Series 215, 218

PRIMERS **Prepared Bare Concrete and Steel:** Self-priming

TOPCOATS Series 120-5001

SURFACE PREPARATION

STEEL SSPC-SP5/NACE 1 White Metal Blast with a minimum anchor pattern of 3.0 mils.

CONCRETE Allow to cure for 28 days. Abrasive blast referencing SSPC-SP13/NACE 6, ICRI CSP5 Surface Preparation of Concrete and Tnemec's Surface Preparation and Application Guide.

ALL SURFACES Must be clean, dry and free of oil, grease, form release agents, curing compounds/membranes, sealers, hardeners and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS Theoretical 89% (mixed). Series 120 Vinester system contains a reactive monomer and some loss will occur during application and cure. Actual solids by volume will vary depending upon temperature and air movement. See Practical Coverage Rates.

RECOMMENDED DFT 12.0 to 18.0 mils (305 to 455 microns) per coat (minimum of one coat 5002 primer and one coat 5001 finish coat).

CURING TIME

Temperature	To Handle	To Topcoat	Immersion
75°F (24°C)	6 hours	6 hours min. 72 hours max.	72 hours min.

Note: Scarification required if maximum time to topcoat is exceeded.
Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS **Unthinned:** 0.59 lbs/gallon (71 grams/litre)
Thinned 3%: 0.78 lbs/gallon (93 grams/litre)

NUMBER OF COMPONENTS Two: Part A (base) and Part B (catalyst)

PACKAGING 1 gallon (3.79L) kits. 3 gallon (11.4L) kits are available upon special request.

NET WEIGHT PER GALLON 10.80 ± 0.25 lbs (4.90 ± .11 kg) (mixed)

STORAGE TEMPERATURE Minimum 35°F (2°C) Maximum 90°F (32°C)

TEMPERATURE RESISTANCE (Dry) Continuous 300°F (149°C) Intermittent 450°F (232°C)

SHELF LIFE Part A: 3 months at 35°F to 49°F (2°C to 9°C), 2 months at 50°F to 79°F (10°C to 26°C), 1 month at 80°F to 90°F (27°C to 32°C). Do not store at temperature below 35°F (2°C) or above 90°F (32°C).
DUE TO THE REACTIVE NATURE OF THE VINYL ESTER RESINS AND THE CORRESPONDING LIMITED SHELF LIFE, EXPEDITIOUS USE OF THIS PRODUCT IS SUGGESTED, SINCE JOBSITE STORAGE CONDITIONS ARE BEYOND TNEMEC'S CONTROL, THIS PRODUCT IS NON-RETURNABLE.
Part B: 12 months at recommended storage temperature.

FLASH POINT - SETA Part A: 90°F (32°C) Part B: 190°F (88°C)

HEALTH & SAFETY Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

APPLICATION

COVERAGE RATES

(Practical)

Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
12.0-18.0 (305-455)	20.0-25.0 (510-635)	60-80 (5.6-7.4)

Practical spreading rates are based on typical field applications. Actual spreading rates will vary with surface profile, amount of overspray and surface irregularities. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. THIS PRODUCT SHOULD NOT BE APPLIED BELOW 60°F (16°C) MATERIAL TEMPERATURE.

MIXING

Power mix contents of Part A (base) thoroughly, making sure no pigment remains on the bottom of the can. Add the Part B (catalyst) slowly to the Part A while under agitation. Continue to agitate until thoroughly mixed. Care should be exercised so as not to entrap air in the mixed material. Do not use mixed material beyond pot life limits.

THINNING

Use No. 19 Thinner. For air or airless spray, thin up to 3% per gallon.

POT LIFE

3 to 5 hours at 65°F (18°C) 1 1/2 to 2 1/2 hours at 75°F (24°C) †
† At higher temperatures pot life will decrease (use caution in spray equipment). In hot weather, material should be cooled to 65°F to 80°F (18°C to 27°C) prior to mixing and application to improve workability and avoid shortened pot life.

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E	78	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	60-80 psi (4.1-5.5 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.015"-0.021" (380-535 microns)	2400-3000 psi (165-207 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.
Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes.
Note: Two or more coats may be required to obtain recommended film thicknesses.

SURFACE TEMPERATURE

Minimum 60°F (16°C) Maximum 110°F (43°C)
The surface should be dry and at least 5°F (3°C) above the dew point. At surface temperatures below 60°F (16°C), Series 120 will not cure properly or obtain maximum chemical resistance. Following application, the surface temperature must be held at or above 60°F (16°C) until the coating surface is tack free approximately 8 hours at 60°F (16°C) surface temperature, 6 hours at 70°F (21°C) surface temperature, 4 hours at 80°F (27°C) surface temperature to avoid incomplete polymerization. At relative humidities above 75%, the cure of this coating may be retarded. It is also recommended that all precautions be taken to insure that adequate forced-air ventilation exists.

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or MEK. If material begins to exotherm, flush equipment immediately.

TNEMEC

VINESTER® 120-5001

PRODUCT DATA SHEET

PRODUCT PROFILE

GENERIC DESCRIPTION Novolac Vinyl Ester

COMMON USAGE A finish coat designed for superior protection against organic and inorganic acids and sour crude when stored at elevated temperatures in insulated tanks. Sprayable lining for tanks and vessels. Provides splash, spillage and fume protection for structural surfaces and secondary containment. **Note:** Contact your Tnemec representative or Tnemec Technical Services with specific chemical exposures.

COLORS 5001 Gray. Color change will occur when Series 120 is exposed to sunlight; also, batch-to-batch color variations can be expected.

FINISH Semi-gloss

PERFORMANCE CRITERIA Extensive test data available. Contact your Tnemec representative for specific test results.

COATING SYSTEM

SURFACER/FILLER/PATCHER Series 215, 218. **Note:** Prime coat of 120-5002 is required over surfacer/filler/patcher prior to application of 120-5001.

PRIMERS **Prepared Bare Concrete and Steel:** Series 120-5002

INTERMEDIATE Series 237SC, 239SC, 252SC, 270

SURFACE PREPARATION

ALL SURFACES Must be clean, dry and free of oil, grease, and other contaminants. See primer product data sheet for surface preparation recommendations.

TECHNICAL DATA

VOLUME SOLIDS Theoretical 89% (mixed). Series 120 Vinester system contains a reactive monomer and some loss will occur during application and cure. Actual solids by volume will vary depending upon temperature and air movement. See Practical Coverage Rates.

RECOMMENDED DFT 12.0 to 18.0 mils (305 to 455 microns) per coat (minimum of one coat 5002 primer and one coat 5001 finish coat).

CURING TIME

Temperature	To Handle	To Recoat	Immersion
75°F (24°C)	4 hours	6 hours min. 72 hours max.	72 hours min.

Note: Scarification required if maximum recoat time is exceeded.
Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS **Unthinned:** 0.64 lbs/gallon (77 grams/litre)
Thinned 3%: 0.83 lbs/gallon (99 grams/litre)

NUMBER OF COMPONENTS Two: Part A (base) and Part B (catalyst)

PACKAGING 1 gallon (3.79L) kits. 3 gallon (11.4L) kits are available upon special request.

NET WEIGHT PER GALLON 10.98 ± 0.25 lbs (4.98 ± .11 kg) (mixed)

STORAGE TEMPERATURE Minimum 35°F (2°C) Maximum 90°F (32°C)

TEMPERATURE RESISTANCE (Dry) Continuous 300°F (149°C) Intermittent 450°F (232°C)

SHELF LIFE Part A: 3 months at 35°F to 49°F (2°C to 9°C), 2 months at 50°F to 79°F (10°C to 26°C), 1 month at 80°F to 90°F (27°C to 32°C). Do not store at temperature below 35°F (2°C) or above 90°F (32°C).
DUE TO THE REACTIVE NATURE OF THE VINYL ESTER RESINS AND THE CORRESPONDING LIMITED SHELF LIFE, EXPEDITIOUS USE OF THIS PRODUCT IS SUGGESTED, SINCE JOBSITE STORAGE CONDITIONS ARE BEYOND TNEMEC'S CONTROL, THIS PRODUCT IS NON-RETURNABLE.
Part B: 12 months at recommended storage temperature.

FLASH POINT - SETA Part A: 90°F (32°C) Part B: 190°F (88°C)

HEALTH & SAFETY Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

APPLICATION

COVERAGE RATES

(Practical)

Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
12.0-18.0 (305-455)	20.0-25.0 (510-635)	60-80 (5.6-7.4)

Practical spreading rates are based on typical field applications. Actual spreading rates will vary with surface profile, amount of overspray and surface irregularities. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. THIS PRODUCT SHOULD NOT BE APPLIED BELOW 60°F (16°C) MATERIAL TEMPERATURE.

MIXING

Power mix contents of Part A (base) thoroughly, making sure no pigment remains on the bottom of the can. Add the Part B (catalyst) slowly to the Part A while under agitation. Continue to agitate until thoroughly mixed. Care should be exercised so as not to entrap air in the mixed material. Do not use mixed material beyond pot life limits.

THINNING

Use No. 19 Thinner. For air or airless spray, thin up to 3% per gallon.

POT LIFE

3 to 5 hours at 65°F (18°C) 1 1/2 to 2 1/2 hours at 75°F (24°C) †
† At higher temperatures pot life will decrease (use caution in spray equipment). In hot weather, material should be cooled to 65°F to 80°F (18°C to 27°C) prior to mixing and application to improve workability and avoid shortened pot life.

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E	78	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	60-80 psi (4.1-5.5 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.015"-0.021" (380-535 microns)	2400-3000 psi (165-207 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

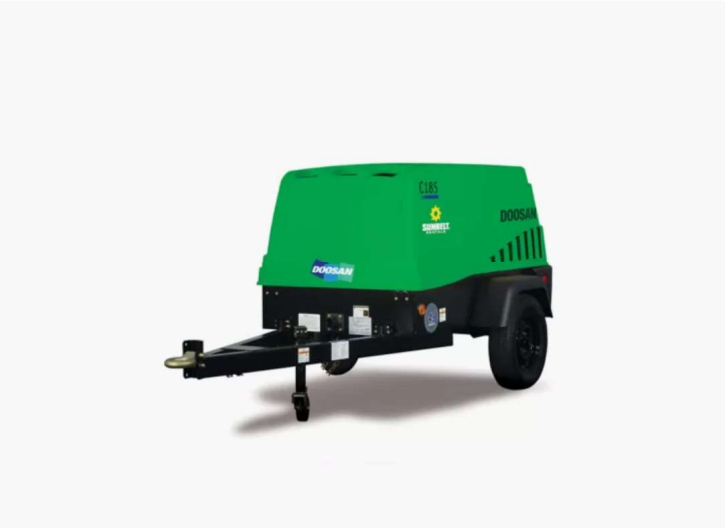
Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.
Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes.
Note: Two or more coats may be required to obtain recommended film thicknesses.

SURFACE TEMPERATURE

Minimum 60°F (16°C) Maximum 110°F (43°C)
The surface should be dry and at least 5°F (3°C) above the dew point. At surface temperatures below 60°F (16°C), Series 120 will not cure properly or obtain maximum chemical resistance. Following application, the surface temperature must be held at or above 60°F (16°C) until the coating surface is tack free approximately 8 hours at 60°F (16°C) surface temperature, 6 hours at 70°F (21°C) surface temperature, 4 hours at 80°F (27°C) surface temperature to avoid incomplete polymerization. At relative humidities above 75%, the cure of this coating may be retarded. It is also recommended that all precautions be taken to insure that adequate forced-air ventilation exists.

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or MEK. If material begins to exotherm, flush equipment immediately.



CAT CLASS: 0010030

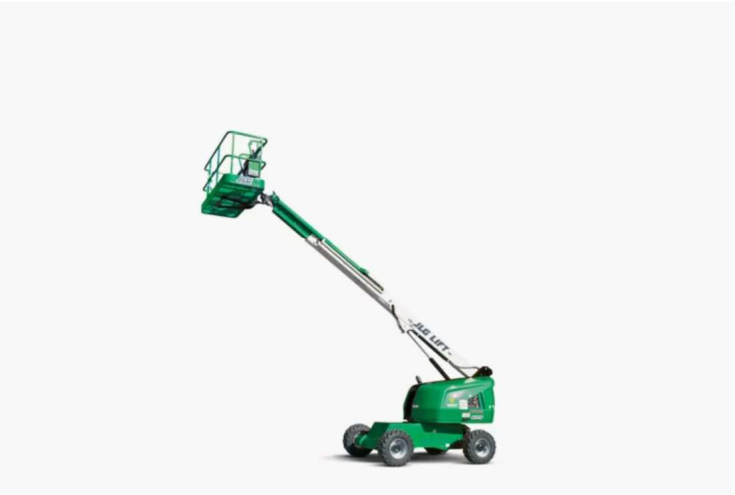
185 CFM 125 PSI Diesel Air Compressor

ACCOUNT SPECIAL RATE

$130	$405	$715
1 DAY	1 WEEK	4 WEEK

1 Add to Cart

Save favorite



CAT CLASS: 0580424

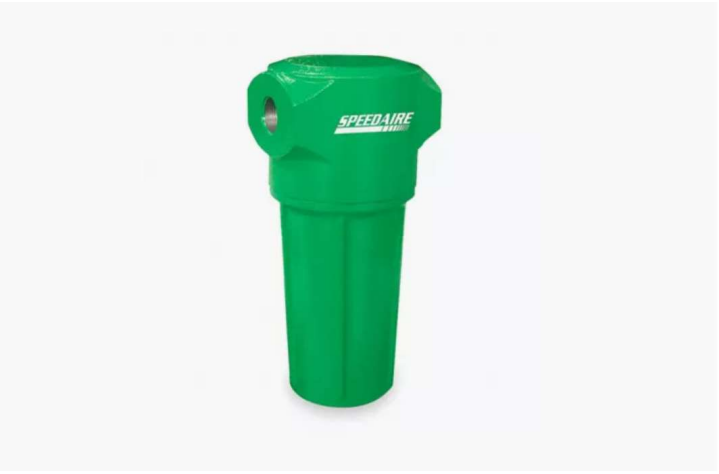
40' Straight Manlift

ONLINE RATE

$595	$1,200	$2,725
1 DAY	1 WEEK	4 WEEK

1 Add to Cart

Save favorite



185–375 CFM Water Separator

$52	$135	$370
1 DAY	1 WEEK	4 WEEK

Request quote

Save favorite

Reynolds Construction	**Reynolds Construction**		CHANGE PROPOSAL
	11107 4th Avenue Ocean		SUMMARY NO:
	Marathon, FL 33050		
PROJECT NAME	City of Marathon - Maintenance & Service Agreement		PROJ. NO.:
LOCATION:	Marathon, FL		DATE: 01/17/25
OWNER:	City of Marathon		DRAWING NO.:
ENGINEER:	N/A		SPEC. SECTION:

REFERENCE	PCO NO.:	FIELD DIRECTIVE N(	N/A	RFI NO.:	N/A	OTHER:
DESCRIPTION:						

Complete Interior Coating of Area 3 CCC - All Walls (Int and Ext) and Floor & Addittion of Stilling Wells at Chlorine Injection Points

Warranty shall be provided for one (1) year from the date of completion. Warranty is for materials and labor. Area at injection location must utilize a stilling well.

Work is anticipate to have a duration of approximately ten (10) to twelve (12) weeks - weather and humidity pending.

Abrasive blasting to bare metal as per recommendation of TNEMEC for interior.

Mechanical preparation of exterior as applicable for areas of heavy corrosion and as applicable for the balance. Abrasive blasting of entire exterior is not required.

Purchase of materials for blasting and coating of the interior of CCC per TNEMEC recommendations and will be documented for record purposes.

Reynolds take all necessary precautions to prevent blast media from getting into disk filters, junction boxes, panels, and all other electrical equipment.

Reynolds will perform MIL inspections and Holiday (spark) testing. Reynolds shall provide reports for record purposes.

Expected duration is anticipated to be four (4) weeks per side (interior) for labor and equipment.

Reynolds to utilize Owners telehandler (<1 day) and Vac Truck. This is a significant costs savings for the CofM, esp the vac truck as sand removal is labor intensive.

Reynolds will ensure media is wet/damp before calling vac truck for removal to prevent damage to the city's vac truck

Material is assumed not to be hazardous (lead based).

PRICING INFORMATION

		SKILL/TRADE	MAN-HOURS	RATE	COST
1. DIRECT LABOR		See backup sheet for breakdown	1138		$ 86,461.98
1.A	PRODUCT LABOR:				
1.B	[ ] FOREMAN [ ] SUPERINTENDENT	Safety	0	$ 88.24	$ -
		QA/QC	0	$ 86.28	$ -
		Superintendent	12	$ 133.00	$ 1,596.00
1.C	OFFICE ENGINEERING:	Project Engineer (8 hrs / wk)	80	$ 92.75	$ 7,420.00
		Project Manager	4	$ 133.00	$ 532.00
1.D	BURDEN	Labor Burden (inc. in rates)			-
					$ 96,009.98

2. MATERIALS AND EQUIPMENT		**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**COST**
2.A	INCORPORATED IN WORK:	See Detail Break Down	1	LS	$ 46,066.85	$ 46,066.85
						$ -
2.B	CONSUMED IN PERFORMANCE:	Small Tools and Expendables (3%)				$ 2,593.86
2.C	EQUIPMENT:	See Backup Sheet	1	LS	$ 13,076.28	$ 13,076.28
		Fuel and Service 20% of Equip Cost	1	LS	$ 2,615.26	$ 2,615.26
2.D	DIRECT COSTS:					$ 64,352.24
2.E	SALES TAX: 7.5%					$ 4,826.42
						$ 69,178.66

3. SUBCONTRACTORS		**NAME**	**DESCRIPTION OF WORK**	**COST**
3.A	DIRECT:	See Detail Sheet		$ -
3.B	LOWER TIER:			
				$ -

Contract Time Extension Costs		Days Requested	Daily Rate	COST
	Contractor Extension Costs	0	0	$ -
	Subcontractor Extension Costs	0	0	$ -
			Total Time Extension Costs	**$ -**

EXTENSION OF CONTRACT TIME:

N/A	This Proposal does not include any $ for extension or acceleration but the right to ask for these costs at a later date is expressly reserved if determined to be necessary.
N/A	Extension cost is included in this proposal
N/A	Acceleration cost to maintain project schedule are included in this proposal. *

5. **FEE STRUCTURE**	Rate	COST	Overhead & Profit	SUBTOTAL
A. Contractor				
1. Direct Labor:		$ 96,009.98	20%	$ 115,211.98
2. Material:		$ 69,178.66	20%	$ 83,014.39
3. Equipment:		$ 9,209.21	20%	$ 11,051.05
4. Subcontractors:		$ -	10%	$ -
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			**TOTAL**	**$ 209,277.42**

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed: Josh Vondersaar

Title: Project Manager Date: 01/17/25

Contractor: Reynolds Construction, LLC

ACCEPTANCE BY OWNER

Signature of Owner's Authorized Representative:_____ Date:_____

_____Engineer to prepare necessary change order _____ Engineer to Re-negotiate change proposal as noted above _____Other as above

OWNER:	CONTRACTOR: Reynolds Construction	PROJECT
ENGINEER:	FIELD:	NO.:
	OTHER:	DATE:

Proposal: 0
Description: Complete Interior Coating of Area 3 CCC - All Walls (Int and Ext) and Floor & Addittion of Stilling Wells at Chlorine Injection Points
Date: 01/17/25

Description	QTY	UOM	Unit Cost Labor	Total Labor	Unit Cost Material	Total Material	Unit Cost Subcontractor	Total Sub	Equipment Rate	Total Equipment	Totals
INTERIOR & EXTERIOR COATING											
Pressure Wash, Blast and Remove Coatings for Tank #1											
Laborer (x2)	84	MH	65.78	$ 5,525.52							$ 5,525.52
Foreman	42	MH	89.58	$ 3,762.36							$ 3,762.36
Place Coatings for Tank #1											
Laborer (x2)	48	MH	65.78	$ 3,157.44							$ 3,157.44
Foreman	24	MH	89.58	$ 2,149.92							$ 2,149.92
Engineer	24	MH	92.75	$ 2,226.00							$ 2,226.00
Space Req, Equip & Remove Media - (Both Sides)											
Laborer (x2)	32	MH	65.78	$ 2,104.96							$ 2,104.96
Foreman	16	MH	89.58	$ 1,433.28							$ 1,433.28
Pressure Wash, Blast and Remove Coatings for Tank #2											
Laborer (x2)	84	MH	65.78	$ 5,525.52							$ 5,525.52
Foreman	42	MH	89.58	$ 3,762.36							$ 3,762.36
Place Coatings for Tank #2											
Laborer (x2)	48	MH	65.78	$ 3,157.44							$ 3,157.44
Foreman	24	MH	65.78	$ 1,578.72							$ 1,578.72
Engineer	24	MH	92.75	$ 2,226.00							$ 2,226.00
Stilling Well - Modificaitons and Additions											
Foreman	14	MH	89.58	$ 1,254.12							$ 1,254.12
Laborer (x1)	14	MH	65.78	$ 920.92							$ 920.92
Engineer	14	MH	92.75	$ 1,298.50							$ 1,298.50
Floor Preparation and Modificaitons											
Foreman	32	MH	89.58	$ 2,866.56							$ 2,866.56
Laborer (x2)	64	MH	65.78	$ 4,209.92							$ 4,209.92
Blast Media Removal (utilization of C of M vac truck)											
Laborer (x1)	10	MH	65.78	$ 657.80							$ 657.80
Foreman	10	MH	89.58	$ 895.80							$ 895.80
Score Paint - Exterior Tank (Mechanical Preparation)											
Foreman	24	MH	89.58	$ 2,149.92							$ 2,149.92
Laborer (x1)	24	MH	65.78	$ 1,578.72							$ 1,578.72
Engineer	24	MH	92.75	$ 2,226.00							$ 2,226.00
Wash, Blast and Remove Coatings for Mudwell and Filter											
Laborer (x2)	72	MH	65.78	$ 4,736.16							$ 4,736.16
Foreman	36	MH	65.78	$ 2,368.08							$ 2,368.08
Engineer	36	MH	92.75	$ 3,339.00							$ 3,339.00
Piping Coatings as Needed (see pictures)											
Laborer (x1)	16	MH	65.78	$ 1,052.48							$ 1,052.48
Foreman	16	MH	89.58	$ 1,433.28							$ 1,433.28
Place Coatings for Mudwell and Filter											
Laborer (x2)	64	MH	65.78	$ 4,209.92							$ 4,209.92
Foreman	32	MH	89.58	$ 2,866.56							$ 2,866.56
Engineer	16	MH	92.75	$ 1,484.00							$ 1,484.00
Trough / Weir - Blasting & Coating											
Laborer (x1)	36	MH	65.78	$ 2,368.08							$ 2,368.08
Foreman	36	MH	89.58	$ 3,224.88							$ 3,224.88
Engineer	24	MH	92.75	$ 2,226.00							$ 2,226.00
Mobilization / Demobilization											
Laborer (x1)	16	MH	65.78	$ 1,052.48							$ 1,052.48
Foreman	16	MH	89.58	$ 1,433.28							$ 1,433.28
Equipment:											
Lull ***(Owner Supplied)***	0	EA							$ -	$ -	$ -
Vac Truck ***(Owner Supplied)***	0	EA							$ -	$ -	$ -
Dumpster - Reynolds	1	EA							$ 940.00	$ 940.00	$ 940.00
Pressure Washer, Hose & Accessories (Water by Owner)	1	EA							$ 455.00	$ 455.00	$ 455.00
Blasting Safety & Accessories	1	EA							$ 718.34	$ 718.34	$ 718.34
Air Compressor (185 CFM)	3	MO							$ 680.00	$ 2,040.00	$ 2,040.00
Water Seperator (x2)	6	MO							$ 370.00	$ 2,220.00	$ 2,220.00
Air Compressor Hose	12	EA							$ 90.00	$ 1,080.00	$ 1,080.00
Blast Purifier	3	MO							$ 63.00	$ 189.00	$ 189.00
Air Hose - Breathable	3	MO							$ 67.00	$ 201.00	$ 201.00
Trailer & Hauling	1	EA							$ 185.00	$ 185.00	$ 185.00
Grinders, Abrasive Equipment, Discs and Wheels	1	EA							$ 930.00	$ 930.00	$ 930.00
Equipment Safety	1	EA							$ 1,800.00	$ 1,800.00	$ 1,800.00
Media Blaster & Tips	1	EA							$ 1,725.00	$ 1,725.00	$ 1,725.00
Holiday / Spark Testing Equipment	0.5	EA							$ 1,185.87	$ 592.94	$ 592.94
Material:											
Blasting Media - (pallet = 64 bags)	14	EA			$ 656.00	$ 9,184.00					$ 9,184.00
- Shipping	2	EA			$ 1,350.00	$ 2,700.00					$ 2,700.00
Cleaning Agent	2	EA			$ 315.12	$ 630.24					$ 630.24
Heavy Duty Tarps / Area Protection	4	EA			$ 125.00	$ 500.00					$ 500.00
SS Uni-Strut, Clamps and Conduit (relocate dosing conduit)	1	LS			$ 838.33	$ 838.33					$ 838.33
Blasting Safety (Hood, Shield, Air Feed, and similar)	1	EA			$ 1,480.00	$ 1,480.00					$ 1,480.00
Series 135 - Tnemec	6	KITS			$ 129.20	$ 775.20					$ 775.20
Series 1095 - Tnemec	6	KITS			$ 129.66	$ 777.96					$ 777.96
Series 135 & 1095 Thinner	2	GAL			$ 67.69	$ 135.38					$ 135.38
120-5002 Primer - Tnemec (2 (or 3) Orders - short can life)	68	KITS			$ 178.97	$ 12,169.96					$ 12,169.96
120-5001 Top Coat - Tnemec (2 (or 3) Orders)	78	KITS			$ 178.97	$ 13,959.66					$ 13,959.66
Series 120 Thinner	4	GAL			$ 56.53	$ 226.12					$ 226.12
Freight - (4 Deliveries)	4	EA			$ 175.00	$ 700.00					$ 700.00
Rollers, Brushes and Materials	1	LS			$ 1,400.00	$ 1,400.00					$ 1,400.00
Tarp(s) & Tank Cover	1	EA			$ 400.00	$ 400.00					$ 400.00
Fan (Silica / Dust Control)	1	EA			$ 190.00	$ 190.00					$ 190.00
Subcontractors:											
- NACE Testing - MIL & Holiday Testing by Reynolds	0	EA					$ -	$ -			$ -
TOTALS	**1138.00**	MH	1138	**$ 86,461.98**		**$ 46,066.85**		**$ -**	**$ 9,209.21**	**$13,076.28**	**$145,605.11**

Reynolds Construction 11107 4th Avenue Ocean Marathon, FL 33050		CHANGE PROPOSAL SUMMARY NO:
PROJECT NAME	Area 3 - Headworks Platform Corrosion Remediation - Sand Blasting and Metals Prep	PROJ. NO.:
LOCATION:	Marathon, FL	DATE: 01/17/25
OWNER:	City of Marathon	DRAWING NO.:
ENGINEER:		SPEC. SECTION:

REFERENCE PCO NO.: 000 FIELD DIRECTIVE NO.: 0 RFI NO.: N/A OTHER:

DESCRIPTION:

Area 3 - Headworks Platform Corrosion Remediation - Sand Blasting and Metals Prep

- Reynolds does not anticipate the utilization of the City of Marathon's telehandler, however we reserve the right if needed for project cost savings.
- Pricing includes a manlift. It will be necessary to utilize one to reach high corrosion areas both safely and effectively.
- Quote includes all structural metals for the headworks platform affected by corrosion. Reynolds will also recoat the entire structure to help prevent any future damage.
- Reynolds will touch-ups around conduit brackets/supports. Quote does not include removal of any conduit, clips, and any other affixed items to metals.
- No electrical modifcations or upgrades are anticipated. Reynolds will cover all electrical boxes, meters, actuators, and equipment to provide protection from sand blast media.
- Reynolds to utilize the City of Marathon's Vac truck to clean up the blast media as best as possible. Reynolds will soak media to prevent damage to vac truck.
- Some media may remain in the surrounding stone aggregate. Reynolds will do our best to remove as much as possible. Some may remain. Pricing does not include added aggregate.
- Pricing includes headworks metals only. Reynolds reserves the right to modify pricing to include additional coatings.
- Warranty will be provided from one (1) year from the date of project completion.

PRICING INFORMATION

1. DIRECT LABOR	See backup sheet for breakdown	0		$	32,067.96
1.A PRODUCT LABOR:					
1.B ☐ FOREMAN ☐ SUPERINTENDENT	Safety	0	$ 88.24	$	-
	QA/QC	0	$ 86.28	$	-
	Superintendent	4	$ 133.00	$	532.00
1.C OFFICE ENGINEERING:	Project Engineer	16	$ 92.75	$	1,484.00
	Project Manager	4	$ 133.00	$	532.00
1.D BURDEN	Labor Burden (included in Rates)				-
				$	34,615.96

2. MATERIALS AND EQUIPMENT	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**COST**
2.A INCORPORATED IN WORK:	See Detail Break Down	1	LS	$ 7,131.68	$ 7,131.68
2.B CONSUMED IN PERFORMANCE:	Small Tools and Expendables (5% of field labor)				$ 1,603.40
	- (STC pending task)				
2.C EQUIPMENT:	See Backup Sheet	1	LS	$ 8,710.00	$ 8,710.00
	Fuel and Service 20% of Equip Cost	1	LS	$ 1,742.00	$ 1,742.00
2.D DIRECT COSTS:					$ 19,187.08
2.E SALES TAX: 7.5%					$ 1,439.03
					$ 20,626.11

3. SUBCONTRACTORS	**NAME**	**DESCRIPTION OF WORK**	**COST**
3.A DIRECT:	See Detail Sheet		$ -
3.B LOWER TIER:			
			$ -

Contract Time Extension Costs		Days Requested	Daily Rate	COST
	Contractor Extension Costs	0	0	$ -
	Subcontractor Extension Costs	0	0	$ -
(daily rate is subject to change per actual OH items)			Total Time Extension Costs	**$ -**

EXTENSION OF CONTRACT TIME:

N/A	This Proposal does not include any $ for extension or acceleration but the right to ask for these costs at a later date is expressly reserved if determined to be necessary.
N/A	Extension cost is included in this proposal
N/A	Acceleration cost to maintain project schedule are included in this proposal. *

5. **FEE STRUCTURE**	Rate	COST	Overhead & Profit	SUBTOTAL
A. Contractor				
1. Direct Labor:		$ 34,615.96	20%	$ 41,539.15
2. Material & Equipment:		$ 20,626.11	20%	$ 24,751.33
3. Subcontractors:		$ -	10%	$ -
4. Bond & Insurance:	1.95%	$ 1,292.66	20%	$ 1,551.20
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			**TOTAL**	**$ 67,841.68**

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed: Josh Vondersaar
Title: Project Manager Date: 01/17/25
Contractor: Reynolds Construction, LLC

ACCEPTANCE BY OWNER

Signature of Owner's Authorized Representative: _____ Date: _____

_____Engineer to prepare necessary change order_____ Engineer to Re-negotiate change proposal as noted above_____Other as above

OWNER:	CONTRACTOR: Reynolds Construction	PROJECT
ENGINEER:	FIELD:	NO.:
	OTHER:	DATE:

Proposal: **0**

Description: **Area 3 - Headworks Platform Corrosion Remediation - Sand Blasting and Metals Prep**

Date: **01/17/25**

Description	QTY	UOM	Unit Cost Labor	Total Labor	Unit Cost Material	Total Material	Unit Cost Subcontractor	Total Sub	Equipment Rate	Total Equipment	Totals
Labor:											
Mobilize/Demobilize- Equipment Setup & Media Protection											
- Superintendent	4.00	MH	133.00	$ 532.00							$ 532.00
- Project Engineer	16.00	MH	92.75	$ 1,484.00							$ 1,484.00
- Laborer	24.00	MH	65.78	$ 1,578.72							$ 1,578.72
Grating Removal & Reinstallation											
- Superintendent	4.00	MH	133.00	$ 532.00							$ 532.00
- Foreman	8.00	MH	92.75	$ 742.00							$ 742.00
- Laborer	24.00	MH	65.78	$ 1,578.72							$ 1,578.72
Sand Blasting and Steel Prep											
- Superintendent	2.00	MH	133.00	$ 266.00							$ 266.00
- Project Engineer	16.00	MH	92.75	$ 1,484.00							$ 1,484.00
- Foreman	36.00	MH	92.75	$ 3,339.00							$ 3,339.00
- Laborer	72.00	MH	65.78	$ 4,736.16							$ 4,736.16
Steel Cleaning (Media Dust Removal)											
- Project Engineer	8.00	MH	92.75	$ 742.00							$ 742.00
- Foreman	16.00	MH	92.75	$ 1,484.00							$ 1,484.00
- Laborer	24.00	MH	65.78	$ 1,578.72							$ 1,578.72
Placing Coats on Headworks Platform (3 Total Coats)											
- Project Engineer	16.00	MH	92.75	$ 1,484.00							$ 1,484.00
- Foreman	36.00	MH	92.75	$ 3,339.00							$ 3,339.00
- Laborer	72.00	MH	65.78	$ 4,736.16							$ 4,736.16
Touch up Misc. Area on Structure - Warranty											
- Foreman	8.00	MH	92.75	$ 742.00							$ 742.00
- Laborer	8.00	MH	65.78	$ 526.24							$ 526.24
Site Clean-Up & Disposal											
- Superintendent	2.00	MH	133.00	$ 266.00							$ 266.00
- Project Engineer	4.00	MH	92.75	$ 371.00							$ 371.00
- Laborer	8.00	MH	65.78	$ 526.24							$ 526.24
Material:											
- TNEMEC Primer	16	GAL			$ 129.20	$ 2,067.20					$ 2,067.20
- TNEMEC Topcoat/Paint	12	GAL			$ 129.66	$ 1,555.92					$ 1,555.92
- Paint Thinner	2	GAL			$ 67.68	$ 135.36					$ 135.36
- Cleaning Agent and Disposables	1	LS			$ 120.00	$ 120.00					$ 120.00
- Freight	1	LS			$ 150.00	$ 150.00					$ 150.00
- Paint Brushes, Rollers, & Disposables	1	LS			$ 200.00	$ 200.00					$ 200.00
- Blasting Media	1	LS			$ 1,843.20	$ 1,843.20					$ 1,843.20
- Freight	1	LS			$ 500.00	$ 500.00					$ 500.00
- Blasting Safety Disposables	1	LS			$ 200.00	$ 200.00					$ 200.00
- Heavy Duty Tarps	3	EA			$ 120.00	$ 360.00					$ 360.00
Tools / Equipment:											
- Trailer & Hauling	2	EA							$ 150.00	$ 300.00	$ 300.00
- Vac Truck (By Owner)	0	LS								$ -	$ -
- Telehandler (By Owner)	0	LS								$ -	$ -
- Pressure Washer & Hose (Water from Owner)	1	LS							$ 125.00	$ 125.00	$ 125.00
- Man Lift	4	WK							$ 1,200.00	$ 4,800.00	$ 4,800.00
- Ladders	2	EA							$ 25.00	$ 50.00	$ 50.00
- Blasting Hood	1	LS							$ 200.00	$ 200.00	$ 200.00
- Blasting Pot	1	LS							$ 600.00	$ 600.00	$ 600.00
- Water Separator	3	WK							$ 135.00	$ 405.00	$ 405.00
- Grinders	1	LS							$ 125.00	$ 125.00	$ 125.00
- Air Compressor (185 CFM)	3	WK							$ 405.00	$ 1,215.00	$ 1,215.00
- Air Compressor Hoses	4	EA							$ 60.00	$ 240.00	$ 240.00
- Air Purifier and Hose	1	LS							$ 100.00	$ 100.00	$ 100.00
- Fall Protection Equipment	1	LS							$ 550.00	$ 550.00	$ 550.00
Subcontractor:											
- Not Applicable							$ -	$ -			$ -
TOTALS	**408.00**	MH		**$ 32,067.96**		**$ 7,131.68**		**$ -**		**$ 8,710.00**	**$ 47,909.64**

Reynolds Construction 11107 4th Avenue Ocean Marathon, FL 33050		CHANGE PROPOSAL SUMMARY NO:
PROJECT NAME	Area 3 - Disk filter Platform Corrosion Remediation - Sand Blasting and Metals Prep	PROJ. NO.:
LOCATION:	Marathon, FL	DATE: 01/17/25
OWNER:	City of Marathon	DRAWING NO.:
ENGINEER:		SPEC. SECTION:

REFERENCE PCO NO.: 000 FIELD DIRECTIVE NO.: 0 RFI NO.: N/A OTHER:

DESCRIPTION:

Area 3 - Disk filter Platform Corrosion Remediation - Sand Blasting and Metals Prep

- Reynolds does not anticipate the utilization of the City of Marathon's telehandler, however we reserve the right if needed for project cost savings.
- Pricing includes a manlift. It will be necessary to utilize one to reach high corrosion areas both safely and effectively.
- Before work begins Reynolds will walk with the plant operator(s) and determine the number of areas and an estimated square footage of blasting and repainting.
- Reynolds will walk the project again with the city after the project is done to determine all corrosion has been fixed and the city is sastified with the work.
- Quote includes all structural metals for the disk filter platform affected by corrosion. ***Reynolds will not blast and recoat entire platform.***
- Reynolds will touch-ups around conduit brackets/supports. Quote does not include removal of any conduit, clips, and any other affixed items to metals.
- Reynolds will cover all electrical boxes, meters, actuators, and disk filter equipment to provide protection from sand blast media.
- Reynolds will do our best to match the existing coating shade. However Reynolds cannot guarantee an exact match due to fading colors, different paint batches, etc.
- Reynolds to utilize the City of Marathon's Vac truck to clean up the blast media as best as possible. Reynolds will soak media to prevent damage to vac truck.
- Some media may remain in the surrounding stone aggregate. Reynolds will do our best to remove as much as possible. Some may remain. Pricing does not include added aggregate.
- Warranty will be provided from one (1) year from the date of project completion.

PRICING INFORMATION

1. DIRECT LABOR	See backup sheet for breakdown	0		$	8,075.16
1.A PRODUCT LABOR:					
1.B ☐ FOREMAN ☐ SUPERINTENDENT	Safety	0	$ 88.24	$	-
	QA/QC	0	$ 86.28	$	-
	Superintendent	2	$ 133.00	$	266.00
1.C OFFICE ENGINEERING:	Project Engineer	8	$ 92.75	$	742.00
	Project Manager	2	$ 133.00	$	266.00
1.D BURDEN	Labor Burden (included in Rates)				-
				$	9,349.16

2. MATERIALS AND EQUIPMENT	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**COST**
2.A INCORPORATED IN WORK:	See Detail Break Down	1	LS	$ 1,855.12	$ 1,855.12
2.B CONSUMED IN PERFORMANCE:	Small Tools and Expendables (5% of field labor)				$ 403.76
	- (STC pending task)				
2.C EQUIPMENT:	See Backup Sheet	1	LS	$ 3,840.00	$ 3,840.00
	Fuel and Service 20% of Equip Cost	1	LS	$ 768.00	$ 768.00
2.D DIRECT COSTS:					$ 6,866.88
2.E SALES TAX: 7.5%					$ 515.02
					$ 7,381.90

3. SUBCONTRACTORS	**NAME**	**DESCRIPTION OF WORK**	**COST**
3.A DIRECT:	See Detail Sheet		$ -
3.B LOWER TIER:			
			$ -

Contract Time Extension Costs		Days Requested	Daily Rate	COST
	Contractor Extension Costs	0	0	$ -
	Subcontractor Extension Costs	0	0	$ -
(daily rate is subject to change per actual OH items)			Total Time Extension Costs	**$ -**

EXTENSION OF CONTRACT TIME:

N/A	This Proposal does not include any $ for extension or acceleration but the right to ask for these costs at a later date is expressly reserved if determined to be necessary.
N/A	Extension cost is included in this proposal
N/A	Acceleration cost to maintain project schedule are included in this proposal. *

5. **FEE STRUCTURE**	Rate	COST	Overhead & Profit	SUBTOTAL
A. Contractor				
1. Direct Labor:		$ 9,349.16	20%	$ 11,218.99
2. Material & Equipment:		$ 7,381.90	20%	$ 8,858.28
3. Subcontractors:		$ -	10%	$ -
4. Bond & Insurance:	1.95%	$ 391.51	20%	$ 469.81
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			**TOTAL**	**$ 20,547.08**

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed: Josh Vondersaar
Title: Project Manager Date: 01/17/25
Contractor: Reynolds Construction, LLC

ACCEPTANCE BY OWNER

Signature of Owner's Authorized Representative: _____ Date: _____

_____Engineer to prepare necessary change order _____ Engineer to Re-negotiate change proposal as noted above _____Other as above

OWNER:	CONTRACTOR: Reynolds Construction	PROJECT
ENGINEER:	FIELD:	NO.:
	OTHER:	DATE:

Proposal: **0**

Description: **Area 3 - Disk filter Platform Corrosion Remediation - Sand Blasting and Metals Prep**

Date: **01/17/25**

Description	QTY	UOM	Unit Cost Labor	Total Labor	Unit Cost Material	Total Material	Unit Cost Subcontractor	Total Sub	Equipment Rate	Total Equipment	Totals
Labor:											
Mobilize/Demobilize- Equipment Setup & Media Protection											
- Project Engineer	2.00	MH	92.75	$ 185.50							$ 185.50
- Laborer	4.00	MH	65.78	$ 263.12							$ 263.12
Grating Removal & Reinstallation											
- Project Engineer	8.00	MH	92.75	$ 742.00							$ 742.00
- Laborer	16.00	MH	65.78	$ 1,052.48							$ 1,052.48
Sand Blasting and Steel Prep											
- Project Engineer	8.00	MH	92.75	$ 742.00							$ 742.00
- Laborer	16.00	MH	65.78	$ 1,052.48							$ 1,052.48
Coating Application											
- Project Engineer	16.00	MH	92.75	$ 1,484.00							$ 1,484.00
- Laborer	32.00	MH	65.78	$ 2,104.96							$ 2,104.96
Site Clean-Up & Disposal											
- Project Engineer	2.00	MH	92.75	$ 185.50							$ 185.50
- Laborer	4.00	MH	65.78	$ 263.12							$ 263.12
Material:											
- Blasting Media	1	LS			$ 384.00	$ 384.00					$ 384.00
- Freight	1	LS			$ 300.00	$ 300.00					$ 300.00
- Blasting Safety Disposables	1	LS			$ 50.00	$ 50.00					$ 50.00
- Heavy Duty Tarps	1	EA			$ 120.00	$ 120.00					$ 120.00
- TNEMEC Primer	4	GAL			$ 129.20	$ 516.80					$ 516.80
- TNEMEC Topcoat/Paint	2	GAL			$ 129.66	$ 259.32					$ 259.32
- Paint Thinner	2	GAL			$ 50.00	$ 100.00					$ 100.00
- Cleaning Agent	1	LS			$ 75.00	$ 75.00					$ 75.00
- Paint Brushes, Rollers, & Disposables	1	LS			$ 50.00	$ 50.00					$ 50.00
Tools / Equipment:											
- Trailer (Mobilize/Demobilize)	2	EA							$ 150.00	$ 300.00	$ 300.00
- Vac Truck (By Owner)	0	LS								$ -	$ -
- Man Lift	1	WK							$ 1,200.00	$ 1,200.00	$ 1,200.00
- Blasting Hood	1	LS							$ 200.00	$ 200.00	$ 200.00
- Blasting Pot	1	LS							$ 600.00	$ 600.00	$ 600.00
- Air Compressor (185 CFM)	2	WK							$ 405.00	$ 810.00	$ 810.00
- Air Compressor Hoses	4	EA							$ 30.00	$ 120.00	$ 120.00
- Air Purifier and Hose	1	LS							$ 100.00	$ 100.00	$ 100.00
- Fall Protection Equipment	1	LS							$ 250.00	$ 250.00	$ 250.00
- Water Separator	1	WK							$ 135.00	$ 135.00	$ 135.00
- Grinders	1	LS							$ 125.00	$ 125.00	$ 125.00
Subcontractor:											
- Not Applicable							$ -	$ -			$ -
TOTALS	**108.00**	MH		**$ 8,075.16**		**$ 1,855.12**		**$ -**		**$ 3,840.00**	**$ 13,770.28**