GREEN MOUNTAIN NATIONAL FOREST
ROCHESTER SST PAINT AND REPAIRS

TECHNICAL SPECIFICATIONS

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SECTION 1000 - SUMMARY OF WORK

PART 1 – GENERAL

PROJECT IDENTIFICATION

The Green Mountain National Forest project locations (see attached project location maps):

- Texas Falls Observation Site: From the intersection of VT100/VT125, travel 3.1 miles west on VT125. Turn right onto Forest Road 39. Travel 0.5 miles, the Sweet-Smelling Toilet (SST) building is on the left.
- Robert Frost Interpretive Trail Ripton, Vt: From the intersection of VT100/VT125, travel 9.9 miles west on VT125.
- Moosalamoo Campground: From the intersection of VT100/VT125, travel 10.9 miles west on VT125. Turn left onto Forest Road 32. Turn right in 3.3 miles onto Forest Road 24. Approximately 0.4 miles to the campground entrance.
- Silver Lake Campground Salisbury, Vt: From the intersection of VT100/VT73 head west on VT73 for 10.3 miles. Turn right onto Hathaway Road. Travel 1.3 miles, turn right onto Flora White Road, travel 1.4 miles. Continue straight onto Silver Lake Road Forest Road 27 for 2.2 miles.
- Lefferts Pond Chittenden, Vt.: From the intersection of VT100/VT125, travel 10.2 miles west on VT125. Turn right onto East Pittsford Road/Chittendend Road, drive 7.0 miles, then right onto Dam Road for 1.3 miles. Turn right onto Wildcat Road. Travel 0.9 miles then turn onto the dirt access road and continue for 0.5 miles.

1.1 SUMMARY OF WORK

The Contractor shall provide all labor, supervision, materials, equipment, tools, and incidentals necessary to complete the interior (walls, ceiling and floor) painting services and supply/install solar exhaust fans in each for the concrete SST (Sweet Smelling Toilets) public restroom facilities (at various recreation sites across the Green Mountain National Forest (GMNF).

Work includes, but is not limited to:

- Removing all loose peeling, bubbling, or delaminated paint to sound substrate and ensuring all surfaces are sound and free of contaminants prior to coating
- Cleaning, scraping and sanding all concrete floors walls and ceilings, followed by application of the specified paint system in accordance with manufacturer requirements
- Repairing and/or replacing caulk at all joints, seams, and penetrations where cracks, gaps or failed sealant are present
- Provide and install Solar Exhaust Fan (reference provided Product Data Sheets or approved equal) per manufacturers specifications.

Site	# of Buildings	Total # of Stalls	Stalls to be Painted	Building Improvements
Texas Falls Observation Site	1	1	1	Solar Exhaust Fan, prepare all interior concrete surfaces (clean, scrape, sand), prime and paint (2 coats)
Robert Frost	1	1	1	Solar Exhaust Fan, prepare all interior concrete surfaces (clean, scrape, sand), prime and paint (2 coats)
Moosalamoo Campground	3	6	6	Solar Exhaust Fan, prepare the **concrete floor** surfaces (clean, scrape, sand), prime and paint the concrete, paint (2 coats)
Silver Lake Picnic Area	1	1	1	Solar Exhaust Fan, prepare all interior concrete surfaces (clean, scrape, sand), prime and paint (2 coats)
Silver Lake Campground	2	2	2	Solar Exhaust Fan, prepare all interior concrete surfaces (clean, scrape, sand), prime and paint (2 coats)

Lefferts Pond	1	1	1	Solar Exhaust Fan, prepare all interior concrete surfaces (clean, scrape, sand), prime and paint (2 coats)

All work shall be performed in accordance with applicable federal, state, and local building codes, manufacturer specifications, and industry best practices.

1.4 SCOPE OF WORK

Furnish the necessary personnel, material, equipment, services, and facilities (except as otherwise specified), to perform the Summary of Work.

1.5 MISCELLANEOUS PROVISIONS

A. Work Hours - Work days shall be scheduled Monday through Friday. No work is permitted on weekends or on Federal Holidays without written authorization of the COR.

B. The Government and public will be occupying the site during construction. Cooperate with the Government's representatives during construction operations to minimize conflicts and facilitate Government usage. Perform the Work in a manner that does not interfere with the Government's operations.

C. The contractor shall be responsible for providing employees with all required personal protective equipment including but not limited to hard hats, gloves, hearing protection and fall restraint and shall comply with all OSHA regulations.

D. Offerors or quoters are urged and expected to inspect the sites where the work will be performed. See FAR clause 52.236-3, Site Investigations and Conditions Affecting Work.

E. The Contractor shall provide a project schedule 10 days prior to starting the work. No work shall commence prior to the project schedule being approved by the COR.

F. Rubbish and debris shall be removed from Government property daily, unless otherwise directed, to avoid accumulation at the site. Materials that cannot be removed daily shall be stored in areas specified by the COR. Debris shall be removed and transported in a manner that prevents spillage on adjacent areas. All loads shall be covered and any additional local regulations regarding hauling and disposal shall apply. All waste material shall become the property of the contractor and shall be removed and disposed of from U.S. Government land at an approved landfill.

1.6 SITE UTILITIES

A. Electrical services are not available on the site. Contractors shall provide electric generators or other temporary means where electric service is not readily available.

1.7 CONTRACTOR

A. The COR will conduct a pre-construction survey with the Contractor to review and document the existing project conditions prior to construction.

B. Staging area – Portions of the site may be used as staging areas for contractor equipment, material storage and temporary offices. The staging areas shall be cleaned and restored to original condition upon the completion of the project. Coordinate staging area locations with the COR.

C. Areas outside the limits of proposed work disturbed by the contractor's operations shall be restored by the contractor to their original condition at the contractor's expense.

D. The Contractor shall limit use of the premises to the work in areas indicated.
   1. Confine operations at the site to areas adjacent to buildings being work upon.
   2. Repair damage caused by the painting operations.
   3. Existing materials and equipment that are removed as part of the construction operations, and that are not reused or salvaged as Government property, shall become the property of the Contractor and shall be promptly removed from the site.

SECTION 2000 - MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.1 SCOPE: Applies to method of measurement and basis of payment for work items listed in the Bid Schedule.

1.2 WORK: Furnishing all labor, materials, equipment, and other incidentals necessary to successfully complete the project or any portion of it and carrying out all duties and obligations imposed by the contract on the Contractor.

1.3 PAYMENT: For each individual item listed here and in the Bid Schedule, payment shall be in full compensation for all work related to the item in accordance with these specifications, as shown on the drawings.

PART 2 – PAYMENT

2.1 For each individual item in the Bid Schedule

A. Measurement: Completely in place and functional.
B. Payment: At the contract lump sum price including all materials, labor, equipment, and incidentals necessary to complete the work.

SECTION 3000 - PAINTING

PART 1 – GENERAL

1.1 SECTION INCLUDES

A. Preparation and painting of interior surfaces.

B. Definitions: The term painting as used herein means any coating specified for application to the designated surface.

1.2 SUBMITTALS

A. Product Data: Include printout of MPI's "MPI Approved Products List" with product highlighted.

B. Mockups: Full-coat finish sample of each type of coating, color, and substrate, applied where directed.

1.3 JOB CONDITIONS AND PROTECTION

A. Do not apply paint or stain when temperature is below 50°F.

B. Do not paint exterior during adverse weather conditions. Protect from dust, wind, and rain until dry to touch, no visible moisture, no hydrostatic pressure.

D. Store materials out of the weather and protect from freezing.

E. Take precautions to prevent fire.

1. Store materials in closed metal containers.

2. Store rags, waste, and similar materials in closed metal containers.

PART 2 - PRODUCTS

2.1 EPOXY PAINT

A. Available Manufacturers: Subject to compliance with requirements, provide products by one of the following or (see product data sheet) approved equal:

1. Amrize
2. Premier Coating Systems Inc.
3. Dryloke
4. Behr Process Corporation.
5. Benjamin Moore & Co.
6. Coronado Paint; Benjamin Moore Company.
7. Glidden Professional.
8. PPG Architectural Coatings.
9. Sherwin-Williams Company (The).

B. MPI Standards: Provide materials that comply with MPI standards indicated and listed in its "MPI Approved Products List."

1. Paint shall be premium grade 2-coat system.
2. Paint shall be self-priming with stain blocking.
3. Paint shall be resistant to blistering, peeling and dirt pickup.
4. Paint shall have anti-microbial agents inhibiting the growth of mold and mildew on the paint surface.

C. Material Compatibility: Provide materials that are compatible with one another and with substrates.

1. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

D. Colors and Sheen: Match existing colors and sheen; coordinate with COR.

PART 3 - EXECUTION

3.1 PREPARATION

A. Starting of painting work will be construed as acceptance of surfaces and conditions within any particular area.

B. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

C. Clean and prepare surfaces in an area before beginning finishing in that area. Schedule finishing so cleaning operations will not damage newly finished surfaces.

D. Completely seal with elastomeric caulking compound all joints around frames and sills of doors, windows, flashing, other openings in exterior walls, and all other joints or spaces to be caulked according to manufacturer's recommendations. Caulking compounds shall be elastomeric caulking or an approved equal (see Product Data Sheets).

E. Joints and spaces to be caulked shall be clean and free from dust and shall be **dry.** Joints shall be filled slightly convex. Caulk joints before final coat of paint or stain is applied to adjacent work. Where caulking will not be painted or stained, color shall match that of adjacent materials.

F. Apply compound with gun having proper sized nozzle or with knife as required. Use sufficient pressure to fill all joints solid; superficial pointing of joints with a skin bead will not be accepted. Remove excess caulking and leave surfaces neat, smooth, and clean. Upon completion, the caulking shall have a smooth, even finish. All caulked joints shall be watertight.

G. Surfaces to be painted shall be clean and free of dirt, dust, moisture (dry to the touch), and any other substance which might interfere with the functioning of the painting system. All surfaces to be painted shall be in proper condition to accept and assure the proper adhesion and functioning of the particular painting system or coating specified.

H. Prime coats and finish coats of any one paint system shall be the products of the same manufacturer except for manufacturer-applied factory or shop primes surfaces.

3.2 APPLICATION

A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

B. Finish exposed surfaces, new and existing, unless otherwise indicated.

C. Brush and Roller Application:

1. Brushes: Use brushes best suited for the type of material applied. Use brush of appropriate size for the surface or item being painted.
2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by the manufacturer for the material and texture required.
3. Brush or roll out and work coats onto surface in an even film.
4. Cloudiness, spotting, holidays, laps, brush or roller marks, runs, sags and other surface imperfections to be repaired.

D. Spray Application:

1. Use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required.
2. Where spray application is used, apply each coat to provide hiding equivalent to brush coats.
3. Do not double back with spray equipment to build up film thickness of two coats in one pass.

E. Minimum Coating Thickness:

1. Apply paint materials no thinner than manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system specified, but in no case less than recommended by manufacturer.

3.3 TOUCHING UP

A. After the completion of other branches of the work, all painted and finished work shall be touched up and restored where damaged or defaced and the entire work left free from blemish.

3.4 CLEANING

A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded materials create by Work of this Section, and dispose of in a legal manner.

B. Do not dump waste materials, including thinners, on site.

C. Do not use sanitary or storm drain

Green Mountain NF

SECTION 4000 - MISCELLANEOUS ROUGH CARPENTRY

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Installing, modifying or repairing wood framing to support Summary of Work.

PART 2 - PRODUCTS

2.1 WOOD PRODUCTS, GENERAL

A. Lumber: Provide dressed lumber, S4S, marked with grade stamp of inspection agency.

2.2 TREATED MATERIALS

A. Preservative-Treated Materials: AWPA U1; Use Category UC3B

1. Use treatment containing no arsenic or chromium.
2. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent.
3. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.

B. Provide preservative-treated materials for all miscellaneous rough carpentry unless otherwise indicated.

1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
2. Wood sills, blocking, and similar concealed members in contact with masonry or concrete.
3. Wood framing members that are less than 18 inches (460 mm) above the ground.
4. Wood floor plates that are installed over concrete slabs-on-grade.

2.3 LUMBER

A. Miscellaneous Dimension Lumber: No. 2 grade with 19 percent maximum moisture content of any species. Provide for nailers, blocking, and similar members.

2.4 FASTENERS

A. Fasteners: Size and type indicated. Where rough carpentry is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M.

1. Power-Driven Fasteners: CABO NER-272.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Set miscellaneous rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Locate nailers, blocking, and similar supports to comply with requirements for attaching other construction.

B. Securely attach miscellaneous rough carpentry to substrates, complying with the following:

1. CABONER-272 for power-driven fasteners.