



CONTRACT SPECIFICATIONS

Repair Generator and Fuel Tank at Station Destin

AT

**UNITED STATES COAST GUARD
Station Destin,
Destin, Florida**

**PROJECT NUMBER 29844391
July 2025**

SECTION 01 11 00

SUMMARY OF WORK

PART 1 GENERAL

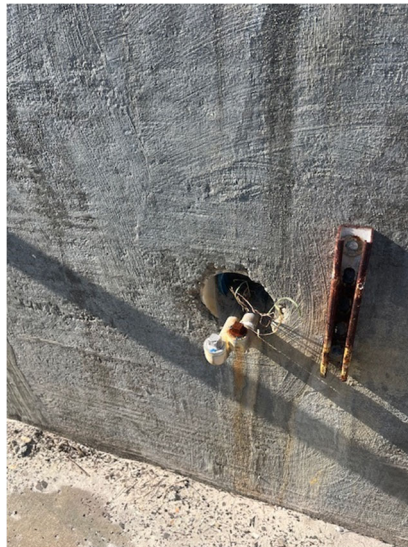
1.1. GENERAL DESCRIPTION

1.1.1. General Work Requirements

Furnish all labor, tools, equipment, and materials to connect the existing Kohler model 100 REOZJF generator to the existing 50 gallon day tank, existing 1000-gallon fuel tank, existing electrical panels, existing automatic transfer switch, and other existing appurtenances at Station Destin, Florida. All components of install shall meet National Electrical Code once install is complete.

The Base Bid work generally includes, but is not limited to, the following:

- A. Replace emergency generator battery, of the existing Kohler 100REOZJF. Battery shall be 12 volt, BCI group size 24, minimum 650 cold crank amps, maintenance free lead-calcium battery, optimum duty series, Kohler model GM106373, fully compatible with existing generator and battery charger. Connect new battery to existing generator and battery charger.
- B. Replace insulation blankets on muffler exhaust on the emergency generator with 3" thick Type 1 calcium silicate with rated service temperature of 1200°F with a flame spread/smoke development rating of 0/0 and aluminum jacket. See reference drawing 17057543 sheet M-101 detail A2.
- C. Remove existing abandoned underground fuel lines, cap lines to prevent fuel leakage, and dispose of at an approved land fill. Comply with removal of fuel lines as per reference drawing 17057543 sheet M-102 work note 2.



REMOVE EXISTING UNDERGROUND FUEL LINES

- D. Seal demolished fuel line openings in the emergency generator room and at tank wall.



PATCH ANY HOLES FROM EXISTING UNDERGROUND FUEL LINES

- E. Invert the fuel trough-trench and install the piping leading from the fuel tank to the emergency generator along its upper surface leaving the piping at ground level.



INVERT EXISTING TRENCH AS REQUIRED BY STATE, AND LOCATE AND SECURE EXISTING FUEL LINES TO INVERTED TRENCH

- F. Remove rust and paint the existing 1,000 gallon fuel tank with state approved primer, polyamide epoxy, and topcoat of acrylic polyurethane similar to Corotech Polyamide Epoxy with compatible primer and topcoat. Coating system shall comply with state of Florida approved list found at Florida Department of Environmental Protection approved Equipment List.



EXISTING RUST TO REMOVE AND TANK TO PAINT.

- (1) Furnish and install aluminum placard fuel tank with OSHA required placards, four, one on each side. Placard shall be similar to "DANGER 1,000 GALLONS DIESEL - MAX FILL 850 GALLONS" "NO SMOKING, NO OPEN FLAMES."
 - (2) Contractor shall conduct tank tightness of primary and secondary tank (an existing Fireguard tank) testing by a Florida registered precision tank tester. Provide written and signed test results to USCG Environmental (listed in paragraph 1.24.D), and to Station Destin.
 - (3) Provide two new ground rod and grounding as per NEC. Comply with "AST GROUNDING PLAN" as per reference drawing 17057543 sheet E-101 PLAN "A3" and E-502.
 - (4) Prime and seal the concrete walls/dike around tank with an approved, state of Florida, elastomeric industrial polysulfide joint sealant such as Polyspec Thiokol 2235M which is state approved until 2/17/2028. Provide compatible primer and apply in strict accordance with manufacturer's instructions,
- G. Contractor shall furnish and install two each four-foot by 1-foot by 2" deep fuel containment pans of G90 galvanized 20 gauge

sheet metal next to emergency generator emergency generator to collect any fuel drops between the day tank and the generator.

- H. Connect existing emergency generator to existing ATS and electrical panels as per NEC and Kohler. Comply with applicable notes as per reference drawing 17057543 sheet E-103 and E-402.



EXISTING KOHLER GENERATOR (LEFT) AND KOHLER ATS (RIGHT)



EXISTING DAYTANK CONTROLLER (LEFT) WITH 50 GALLON DAY TANK (RIGHT)



EXISTING ATS (LEFT) AND EXISTING ELECTRICAL PANEL (RIGHT)

- I. Test emergency generator (an existing Kohler 100REOZJF). Testing includes running the generator for one hour without any malfunctions.
 - (1) Verify generator appurtenances and accessories have proper fluid levels prior to performing test as per manufacturers operating instructions.
 - (2) Operate generator for one hour and document in writing operation (as per Kohler operating instructions) and any deficiencies of genset and appurtenances.
 - (3) Provide 20 minutes of informal training to station personnel, on how to properly enable the generator, and how to disable the emergency generator as per Kohler and equipment manufacturer's operating instructions.
- J. USCG personnel will occupy all adjacent areas bordering work area. Coordinate with COR to minimize impact to operations and personnel.
- K. Comply with Station's storm water pollution prevention (SWPP) plan, and spill prevention control and countermeasures (SPCC) plan available for review from facility engineer.
- L. This summary is not all inclusive and delineates only those work items deemed as major to the contract. Ancillary work items necessary to attain the completed project, shall be included in the contract as inherent to the work.

1.1.2. SPECIFIC WORK REQUIREMENTS

A. Qualifications

- (1) The installation of electrical conductors and conduit shall be performed by an electrical licensed in the state of Florida.
- (2) The testing of the Kohler generator shall be by a factory trained and approved Kohler representative.
- (3) The install shall comply with the most current edition of the National Electric Code.
- (4) Pressure testing of fuel tank shall be by licensed contractor with calibrated equipment approved by state of Florida.

1.1.3. SPECIAL WORK REQUIREMENTS

- A. Coordinate all staging and laydown areas with the Coast Guard prior to work starting.

1.2. TEMPORARY FACILITIES OR UTILITIES

None required.

1.3. PROJECT PERFORMANCE PERIOD

- A. The total contract performance period shall include not only the time needed to complete the base bid and approved option items, but it also includes the time needed to submit, review, and approve all material submittals, and complete all project record (closeout) documents. After work begins at the site, perform the work continuously during normal working hours and show daily progress until all work is complete.
- B. The total contract performance period is 30 calendar days.

1.4. LOCATION

The work is located at:

U.S. Coast Guard Station Destin
2000 Miracle Strip Pkwy
Destin, Florida 32540

Arrangements for visiting the site may be made by contacting:

MKC Daniel Flanigan
Email: Daniel.P.Flanigan@uscg.mi
Telephone: (850) 244-7147

1.5. DRAWINGS ACCOMPANYING SPECIFICATION

There are 44 reference drawings, project number 17057542, accompanying this specification.

1.6. WORK HOURS

1.6.1. Normal Working Hours

- A. Perform all work at the site from Monday through Friday from 7:00am to 4:00 pm, unless otherwise approved. This project requires a special schedule to prevent operational interruptions during the installation process. Please refer to the scope section for detailed coordination of working hours. The contractor shall plan a schedule to minimize disruptions to building operations.
- B. Performing the work beyond the listed working hours is at the discretion of the Coast Guard unit and the contractor must gain prior approval.

1.7. SPECIFIC ENVIRONMENTAL REQUIREMENTS

There are numerous environmental requirements demanded by the State. Contractor shall remove rust and paint the existing 1000-gallon fuel tank, provide placards, provide electrical grounding, pressure test primary and secondary tanks, and seal the wall to comply with state requirements.

Contractor shall provide fuel drip containment under exposed genset lines, remove abandoned underground fuel lines, and place outdoor above ground fuel lines above the inverted trough/trench.

1.8. SAFETY PROGRAM

1.8.1. General

The Contractor is wholly responsible for work site safety. Implement a safety program that protects the lives and health of personnel in the construction area, prevents damage to property and avoids work interruptions. Provide appropriate safety measures including but not limited to barricades, signs and signal lights as well as complying with the requirements of all applicable federal, State and local safety laws, rules and regulations.

1.9. AVAILABILITY OF UTILITY SERVICES

- A. Reasonable amounts of the following utilities will be made available to the Contractor without charge.
 - (1) Electricity, and
 - (2) Potable Water.
- B. The Contractor shall pay all costs incurred in connecting, converting, and transferring the utilities to the work. The contractor shall be responsible for making connections including providing back flow preventers, transformers and for disconnection. The contractor shall provide temporary toilet facilities for their personnel.

1.10. UNDERGROUND AND CONCEALED UTILITIES

- A. Any utility locations provided are diagrammatic, not exact.
- B. Physically verify the location and elevation of the existing underground and concealed utilities local to the work area. Employ techniques to scan the construction site including electromagnetic and sonic equipment prior to commencing the work. Mark the surface of the ground where existing underground utilities are discovered.

1.11. UTILITY OUTAGES

Identify the utility, reason for interruption, proposed time of interruption, and duration of interruption. Do not interrupt utilities until authorized by the Contracting Officer's Representative (COR).

1.12. CONTRACTOR USE OF PREMISES

The work shall be performed on a Coast Guard operational military installation. Become familiar with and obey station fire, traffic, and security regulations. Personnel shall not stray from the immediate area of work or direct avenues of ingress and egress unless authorized in advance by the COR. Isolate each construction area with temporary partitions and dust controls. Provide movable high-visibility safety fencing about all work areas and equipment laydown areas located outdoors. Provide temporary covers on excavations that remain open overnight.

1.13. CLEANUP

The Contractor shall keep the work area, including the laydown and storage area, free from accumulations of waste materials on a daily basis and comply with all federal, state, and local regulations pertaining to the storage, transport, and disposal of wastes. The Contractor shall not use Coast Guard waste disposal facilities including garbage cans, trash piles, or dumpsters.

1.14. ENVIRONMENTAL

1.14.1. Protection of the Environment

The Contractor shall comply with all applicable federal, state, and local laws and regulations for the protection of the environment, including but not limited to the Endangered Species Act (ESA), Bald and Golden Eagle Protection Act (BGEPA), the Migratory Bird Treaty Act (MBTA), National Historic Preservation Act (NHPA), the Resource Conservation and Recovery Act (RCRA), and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

1.14.2. Generated Waste

- A. Any waste generated because of the project shall either be recycled or be disposed of in accordance with RCRA requirements.
- B. Any hazardous waste shall be manifested off site with the Coast Guard unit listed as the Generator and signatory. Any hazardous waste shall be analyzed, characterized, stored, and disposed of

in accordance with RCRA and all applicable federal, state, and local laws and ordinances.

- C. Hazardous waste shall be properly transported and delivered to an appropriate facility. The Contractor shall submit for COR approval the proposed disposal facility, qualifications of the transporters, and the draft hazardous waste manifest.

1.15. DISPOSITION OF MATERIALS

- A. All materials including construction debris and equipment shall be removed from Government property. The Government will not be responsible for the condition or loss of, or damage to, such property after notice to proceed. Materials and equipment shall not be viewed by prospective purchasers or sold on the site.
- B. The Contractor shall submit the disposal receipt from the landfill within 10 working days of disposal.

1.16. STORM PROTECTION

The Contractor shall take every practicable precaution to minimize danger from storms to personnel, the work, and to adjacent property. Precautions shall include, but not be limited to, closing all opening, removing all loose materials, tools, and equipment from exposed locations, and removing or securing scaffolding and other temporary work.

1.17. RECEIPT OF MATERIALS

The Contractor is responsible to receive all equipment, materials, and supplies.

1.18. DELIVERY AND STORAGE

The Contractor is responsible for the proper transport and storage of all equipment and materials.

1.19. SECURITY

- A. Submit a list of the names of all personnel working on the project site prior to the preconstruction conference for approval. The roster shall be submitted via email, and at a minimum, include the first name, last name, job description, and company of employment.
- B. Immediately submit a new list upon a change in on-site project personnel. Refer to the paragraph titled, Special Notice Prior Notification, for notification requirements. Only personnel on the approved list are allowed onto the project site.
- C. All approved personnel shall carry a valid, Government-issued identification while on Government property in conformance with the Real ID Act of 2005. Non-compliant personnel shall be escorted off Government property.

1.20. FINAL INSPECTION AND ACCEPTANCE

A. Electronically submit a written request for final acceptance to the Coast Guard.

1.21. WARRANTIES

A. Endorse all warranties or guarantees to the Government.

1.22. TRAINING

A. The Contractor shall provide training to unit personnel in the operation of the equipment. The Operation and Maintenance Manuals shall be approved and provided to the unit prior to the training.

1.23. SUBMITTALS

A. Submittals will be reviewed by the Coast Guard and returned within 10 working days after receipt, unless otherwise stated.

1.24. SUBMITTAL LIST

A. ROSTER OF PERSONNEL

(1) As required by the paragraph titled Security.

B. PROJECT SCHEDULE

(1) Prepare a Construction Progress Schedule. It shall include all major milestones and events for the entire duration of the construction contract.

C. SAFETY PLAN

(1) At a minimum, describe the general safety program and identify specific safety provisions for hazards incidental to the contract work such as elevated working surfaces, or similar conditions of the work. Comply with the paragraph titled Safety Program.

D. PRODUCT DATA

(1) Submit the product data sheet for each manufactured item. It shall include the manufacturer's descriptive literature of cataloged products, equipment drawings, diagrams, performance and characteristic curves and catalog cuts. Submit complete descriptive data for each type of material. Clearly mark data to indicate the type of material to be provided.

1. Tank coating of 1000 gallon outdoor tank.

2. Concrete coat for concrete berm/dike around tank.

3. Signed pressure test of primary and secondary tank.

4. Generator set operational performance during test and any discrepancies to system.

5. Send photos of repairs and test report to:

USCG Civil Engineer Unit Miami
Attention Environmental Office, Mr. Michael Clausen
15608 SW 117th Avenue
Miami, Florida 33177

1.24.2. OPERATION AND MAINTENANCE MANUALS

A. Submit electronically and provide the following:

- (1) Contact information for the prime contractor, sub-contractor, and major equipment vendor/supplier;
- (2) Warranty information;
- (3) Test procedures;
- (4) Results of all testing and commissioning procedures;
- (5) Performance data;
- (6) A control sequence describing start-up, operation and shut-down instructions;
- (7) Installation instructions;
- (8) Maintenance instructions;
- (9) Operating instructions;
- (10) Parts list.

-- End of Section --