

**STATEMENT OF WORK  
FOR THE  
MEDIUM GIRDER BRIDGE  
SYSTEM**

**Consisting of:**

**MEDIUM GIRDER BRIDGE**

**NSN 5420-00-172-3520**

**BRIDGE ERECTION SET**

**NSN 5420-00-172-3519**

**LINK REINFORCEMENT SET**

**NSN 5420-01-139-1503**

**Inspect Repair Only As Necessary  
(IROAN)**

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**Statement Of Work For The Inspection, Repair Only As Necessary  
(IROAN) for  
Medium Girder Bridge System**

1.0 SCOPE. This document contains requirements to restore the **Medium Girder Bridge System (MGB)**, consists of NSN 5420-00-172-3520, NSN 5420-00-172-3519, NSN 5420-01-139-1503, hereafter referred to as the **MGB** in this document, to Condition Code "A." Condition Code "A" is defined as serviceable/issuable without qualification, new, used, repaired, or reconditioned material which is serviceable and issuable to all customers without limitation or restriction.

1.1 Background. IROAN is defined as "That maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy." This is accomplished through a maintenance technique or complete disassembly of the item, inspection of all parts or components, repairs or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the items. This Statement of Work (SOW) identifies the work effort that shall be performed by the contractor (for the purposes of this SOW, Contractor is defined as the commercial or government entity performing the repair) to repair the **MGB**.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified:

2.1 Military Standards.

MIL-STD-129                      DoD Standard Practice for Military Marking

MIL-STD-2073-1C                DoD Standard Practice for Military Packaging

Military Standards - (Guidance Only).

MIL-STD-973                      Configuration Management

2.2 Other Government Documents and Publications

DOD 4000.25-1-M                MILSTRIP Manual

DODD 4160.21-M-1                Defense Demilitarization Manual.

NAVICPINST 4491.2A              Requisitioning of Contractor Furnished Material From The  
Federal Supply System

TM 08676A-23/2                    Unit and Direct Support Maintenance Manual Medium  
Girder Bridge System

TM 08676A-23P/3	Unit and Direct Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts) for Medium Girder Bridge System
TM 08676A-23P/3	Unit and Direct Support Maintenance Repair Parts and Special USMC Supplement 1 Tools List (Including Depot Maintenance Repair Parts) for Medium Girder Bridge System
RS 08676A-50	Depot Maintenance Work Requirement for Medium Girder Bridge

### 2.3 Industry Standards

ANSI/ISO/ASQC Q9002-1994 Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing.

Copies of Military Standards are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by Contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer (Code 891), commercial telephone number (912) 439-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd Suite 20320, Albany, GA 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410.

### 3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall provide materials, labor, equipment, special equipment/gages/fixtures, facilities and missing/repair parts, necessary to inspect, diagnose, restore, perform required alignment repairs, and test the **MGB** Assembly. Upon completion of IROAN, the subject item shall be Condition Code "A."

3.2 Detail Tasks. The following tasks describe the different phases for IROAN of the **MGB**.

a. Inspection. Each component of the **MGB** shall be inspected by a Certified Bridge Inspector, certified by Williams Fairey Company, Ltd.

b. Repairs. Each component of the **MGB** shall be repaired only if a repair procedure for the component is contained in TM 08676A-23/2 or RS 08676A-50, otherwise components will be replaced.

c. Demilitarization. Components found to be unserviceable or unrepairable shall be disposed of in accordance with DODD 4160.21-M-1. Disposal shall be the responsibility of the

contractor after receiving authorization from Code 837-1, Life Cycle Management Center, Albany, GA.

d. Data plate. Each repaired **MGB** shall meet the requirements of RS 08676A-50.

e. Hardware.

(1) Replace broken, unserviceable and/or missing hardware to include mechanical assemblies, nuts, bolts, screws, washers, turn lock fasteners, mandatory replacement items, safety, and one-time use items, in accordance with the TM 08676A-23/2 or RS 08676A-50. Unserviceable is defined as any of the above that failed to function properly as stated in TM 08676A-23/2 or RS 08676A-50.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies as prescribed in TM 08676A-23/2 or RS 08676A-50.

(3) Hardware normally supplied with commercial parts shall not be used. Authorized replacement parts are listed in TM 08676A-23P/3 or TM 08676A-23P/3 USMC Supplement 1.

f. Cleaning. All cleaning shall be accomplished on the **MGB** using the steps and procedure requirements listed in RS 08676A-50.

g. Grit Blasting. All grit blasting shall be accomplished on the **MGB** using the steps and procedure requirements listed in RS 08676A-50.

h. Welding. No welding repair shall be accomplished on the **MGB** by anyone unless they meet the certification requirements of RS 08676A-50 and the weld procedure is listed as a repair procedure in RS 08676A-50. All welding repairs shall meet the aging requirements listed in RS 08676A-50 without exception or deviation.

i. Painting/coating. No painting/coating repair shall be accomplished on the **MGB** by anyone unless the painting/coating meets the requirements of RS 08676A-50 to include metal conditioning and surface preparation listed in the paint procedures in RS 08676A-50.

j. Quality Assurance. QA shall be observed on the **MGB** using the steps and procedures listed in RS 08676A-50 and shall meet the requirements of paragraph 3.5 of this SOW.

### 3.2.1 Inspection, Testing and Acceptance

a. Inspection, Testing and Acceptance of the **MGB** shall be conducted in accordance with RS 08676A-50.

b. The contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are notified prior to completion of final acceptance. Acceptance tests shall be held at contractor facility.

c. The contractor shall be responsible for correcting any deficiencies identified during inspection.

d. Acceptance testing on all **MGB** components repaired under the provisions of this SOW shall be accomplished in accordance with RS 08676A-50.

3.3 Contractor Furnished Materiel. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the contractor shall requisition through the DOD Supply System. DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/G316-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

3.5 Quality Assurance Provisions. The contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994, Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include design, fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements

3.6 Configuration Control. The **MGB** is configuration controlled and tolerances are controlled during the manufacturing process. No departure from the present configuration is allowed. Request for cosmetic changes will be on a case by case basis and in that instance the contractor shall submit a Request for Deviation or Request for Waiver using MIL-STD-973, paragraph 5.4.3 or 5.4.4 as guidance.

3.7 Packaging, Handling, Storage and Transportation (PHS&T)

a. The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Preservation and packaging of items

scheduled for long term storage or immediate shipment to overseas destinations shall be level "A" in accordance with MIL-STD-2073-1C, Method 10 and the special requirements of RS 08676A-50, Section 9-15. Items scheduled for domestic shipment shall be preserved to level "B."

b. Marking for transportation shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

### 3.8 Acceptance.

The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct inspection at all reasonable hours. Final inspection and acceptance shall be conducted at the Contractor. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

### 3.9 Rejection.

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, provide the following:

a. Develop an approach for modification or correction of all deficiencies.

b. Upon approval of a documented approach, the Contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.



