UNITED STATES MARINE CORPS
Statement of Work
For The Inspect Repair Only As Necessary (IROAN)
OF THE

BRIDGE, ARMORED VEHICLE LAUNCHED; SCISSORING-TYPE; CLASS 60; ALUMINUM - 60 FT. SPAN;

For Use With M60A1 Launcher

NSN 5420-00-522-9599

SOW-01-833-3-08942A-2/1

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STATEMENT OF WORK
(SOW)

Inspect Repair Only As Necessary (IROAN) Program for the
Bridge, Armored Vehicle Launched; Scissoring-Type; Class 60; Aluminum; 60-Foot Span
NSN 5420-00-522-9599

1.0 SCOPE. This statement of work (SOW), along with Depot Maintenance Work Requirements DMWR 5-5420-203, establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor. For the purpose of this SOW, Contractor is defined as the commercial or government entity performing the (IROAN) in the effort of the Bridge, Armor Vehicle Launched, Scissoring Type, Class 60, Aluminum, 60 Foot Span, hereafter referred to as the Bridge. All Bridges to be IROANed shall be complete and repairable. These documents contain requirements to restore the Bridge, to Condition Code "A". Condition Code "A" is defined as "servicable/issuable without qualification, new, repaired reconditioned material which is serviceable and issuable to all customers without limitations or restriction, including materiel with more than six months shelf-life remaining."

1.1 Background. IROAN is defined as "That maintenance technique which determine the minimum repairs necessary to restore equipment components or assemblies to prescribed maintenance serviceability standards by utilizing all available equipment and test procedures in order to minimize disassembly and parts replacement."

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issue of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards.

MIL-P-64159	Interim Army WRCARC Type 11, if unavailable use Type 1
MIL-STD-129	DoD Standard Practice for Military Marking

2.2 Other Government Documents and Publications.

ATPD 2222	Chassis, Tank, Armored Vehicle, Bridge Launcher, M60A1 & M48A5; Processing for Shipment and Storage of
DMWR 5-5420-203	Depot Maintenance Work Requirement for Bridge, Armored Vehicle Launched; Scissoring-Type

DoD 4000.25-1-M	MILSTRIP Manual
TM-4750-15/1	Painting Registration Markings
TM-4750-15/2	Camouflage Pattern

Military Handbook (For Guidance Only)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards.

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

Industry Standards (For Guidance Only)

ANSI/EIA-649	National Consensus Standards for Configuration Management

Copies of Military Specifications and Standards are available from DOD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, Pa. 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or http://www.dodssp.daps.mil. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracts Department (Code 891), P. O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Bases, Albany, Georgia 31704-3019. Copies of engineering drawings, if applicable, shall be obtained from the Supply Chain Management Center, Attn: Code 583-1, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, telephone commercial (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS.

3.1 General Task. In fulfilling the specified requirements, the Repair Facility shall:

a. Provide material, labor, facilities, missing parts and repair parts necessary to inspect, restore, and test the Bridge. Upon completion of the IROAN, the Bridge shall be condition Code "A".

b. Conduct in-process and final on-site testing for witness by a Marine Corps Systems Command (MCSC), (Code CBG), Albany, Georgia representative.

3.2 Detail Task. The following tasks describe the different phases for IROAN of the Bridge.

3.2.1 Phase I. A Pre-Induction Inspection Analysis shall be performed for each Bridge using the Contractors Facility's inspection and testing techniques per Chapter 3, of DMWR 5-5420-203 to determine the extent of work and parts required. These findings shall be annotated on the Preshop Analysis Checklist for Bridge/Components located in Table 3-3 of DMWR 5-5420-203 and a copy shall be provided to MCSC, (Code CBG), Tank Section, Albany, Georgia in accordance with Section 4.0 of this SOW.

NOTE: The Bridge shall be painted in accordance with TM-4750-15/1 and TM-4750-15/2. Use MIL-P-64159 Interim Army WRCARC Type 11, if unavailable use Type 1, in the performance of this SOW.

3.2.2 Phase II. After Pre-Induction Inspection Analysis has been performed, IROAN of the Bridge shall be accomplished in accordance with the DMWR 5-5420-203, Chapter 4, Overhaul Operations, DMWR 5-5420-203 Appendix B list Expendable Supplies and Material List, Appendix D Reclamation Procedures and applicable publications and documents listed in this SOW. The deficiencies noted on the Preshop Analysis Checklist during Phase I shall be repaired/replaced. MCSC, (Code CBG), Albany, Georgia representative may require the contractor to repeat test or portions thereof, if the original test fails to demonstrate compliance with this SOW.

a. Hardware.

(1) Replace broken, unserviceable and/or missing hardware to include nuts, bolts, screws, washers, mandatory replacement items, safety and one-time items, in accordance with the DMWR 5-5420-203. Unserviceable would include any of the above that failed to function properly.

(2) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

3.2.3 Phase III. The Bridge will be upgraded to the 70 Ton Configuration. Raw material for the 70 Ton upgrade conversion will be provided as GFM in kits per individual Bridge on a one-time basis.

3.2.4 Phase IV. Final Test/Inspection will be performed by the contractor upon completion of the IROAN. Final Test/Inspections will be conducted per DMWR 5-5420-203. The Final Test Checklist in DMWR 5-5420-203 Appendix E will be utilized for each Bridge. A copy of the complete checklist will be kept with the Final Inspection Record. Per DMWR 5-5420-203 Appendix F, Table F-1, Final Inspection Record and Table F-2 Deficiency Sheet shall be completed by the contractor for each Bridge. Additionally a Performance Test shall be performed using a test vehicle. The test vehicle will be a M1A1 Tank uploaded to approximate combat weight of 67.6 tons. Each Bridge will be Launched/Retrieved three times. The test vehicle shall make 30 crossings across the full span of the Bridge in each direction. Ten

crossings shall be made at 5, 10, and 15 miles per hour. The test vehicle shall then be parked at the center point of the Bridge for 30 minutes. During the Performance Testing documentation of any visual signs of movement, cracks, or damage to the Bridge will be kept and made part of the Final Inspection Record. First article test will only be accomplished. These completed documents shall be provided to MCSC, (Code CBG), Tank Section, Albany, Georgia.

3.2.5 Phase V Packaging, Handling, Storage and Transportation (PHS&T).

a. The contractor shall be responsible for the preservation and packaging of deliverables under the terms of this statement of work. Items being prepared for long-term storage or overseas destinations shall be in accordance with Level "A" requirements of ATPD 2222. Items being prepared for domestic shipment and immediate use shall be to Level "B" requirements.

b. Marking for shipment and storage 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 rebuilt equipment. The Contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation cost associated with the shipping of the subject equipment to and from the Contractor.

3.3 Configuration Management.

3.3.1 Configuration Control. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If it is necessary to temporarily depart from authorized configuration, the contractor shall prepare and submit a Request for Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 573-2) will coordinate Government Furnished Equipment/Government Furnished Materiel (GFE)/(GFM) requests and maintain a central control system on all government owned assets in the contractor's possession. The MCA will forward a GFE accountability agreement to the contractor for signature on an annual basis to establish a change of custody and identify property responsibilities for Marine Corps assets. The contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. (This may be accomplished by mailing (Material Management Department, Management Control Activity (Code 573-2), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320) or faxing (commercial 229-639-5498 or DSN 567-5498) a copy of the DD1348).

3.5 Contractor Furnished Materiel (CFM). The contractor may requisition materiel as required in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP) Chapter11 provides guidance to contractors on the requisitioning process. The

contractor's decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

3.6 Quality Assurance Provision. The performance of the contractor and the quality of work delivered, and written documents shall be subject to review and inspection by MCSC, (Code CBG), Tank Section, Albany, Georgia during contract performance at any work location. Authorized MCSC, (Code CBG), Tank Section, Albany, Georgia representatives shall be permitted to observe the work/task accomplishment to conduct inspections during working hours. Inspections by MCSC, (Code CBG), Tank Section, Albany, Georgia of test plans and materials furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet contract requirements which may be disclosed prior to final acceptance. Failure of the contractor to promptly correct deficiencies discovered shall be reason for suspension of acceptance until corrective action has been accomplished. 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 in accordance with this SOW.

3.7 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCSC, (Code CBG), Tank Section, Albany, Georgia. The contractor shall, at no additional cost to MCSC, (Code CBG), Tank Section, 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 result the verification until an acceptable compliance with acceptance test procedures is demonstrated.

4.0 REPORTS.

4.1 Preshop Analysis Checklist/Final Test Checklist/Final Inspection Report/Deficiency Sheets. The contractor shall complete a Preshop Analysis Checklist, Final Test Checklist, Final Inspection Report, and Deficiency Sheet for each Bridge. One copy of each document shall be provided to Marine Corps System Command, (Code CBG), Tank Section, MCLB, 814 Radford Blvd., STE. 20320, Albany, Georgia 31704-0320, once completed and validated.

4.2 Monthly Progress Report. The contractor shall provide a Monthly Progress Report, to Marine Corps System Command, (Code CBG), Tank Section, MCLB, 814 Radford Blvd., STE. 20320, Albany, Georgia 31704-0320, summarizing the progress and status of each bridge on the IROAN Program.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

The Public reporting burden for this collection of information is authorized to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX
D. SYSTEM/ITEM: Bridge, AVL, Scissoring-Type	E. CONTRACT/PR No.	F. CONTRACTOR
1. DATA ITEM No.: A001	2. TITLE OF DATA ITEM: Contractor's Progress, Status, and Management Report	3. SUBTITLE: Monthly Progress Report
4. AUTHORITY *(Data Acquisition Document No.)*: DI-MGMT-80227	5. CONTRACT REFERENCE: Paragraph 4.2	6. REQUIRING OFFICE: MARCORSYSCOM (CBG), Albany

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

7. DD 250 REQ.	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
DD	A	MTHLY	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A			See Blk 16

16. REMARKS

Contractor format is authorized.

Block 4 – Tailor DI-MGMT-80227 as follows: Delete paragraphs 10.3g, 10.3h, 10.3i, 10.3j, 10.3k, and 10.3n.

Block 12 – The reporting period shall be from the first to last business day of each month. Initial submission shall be 60 days after contract.

Block 13 – Subsequent submissions shall be 10 days after the last business day of each month.

Distribution Statement A: Approved for public release, distribution is unlimited.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	FINAL: Reg	FINAL: Repro
MCSC (CBG), Alby	0	1	0
15. TOTAL	0	1	0

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
[signature]	12/10/01	[signature]	12/10-01

DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED

Designed using Perform Pro, WHS/DIOR, Aug 96

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX
D. SYSTEM/ITEM: Bridge, AVL, Scissoring-Type	E. CONTRACT/PR No.	F. CONTRACTOR
1. DATA ITEM No.: B001	2. TITLE OF DATA ITEM: Request for Deviation (RFD)	3. SUBTITLE: Configuration Management
4. AUTHORITY *(Data Acquisition Document No.)*: DI-CMAN-80640C	5. CONTRACT REFERENCE: Paragraph 3.3.1	6. REQUIRING OFFICE: MARCORLOGBASES (583)
7. DD 250 REQ.: LT	9. DIST STATEMENT REQUIRED: A	10. FREQUENCY: AS REQ
8. APP CODE	11. AS OF DATE	12. DATE OF FIRST SUBMISSION: See Blk 16
		13. DATE OF SUBSEQUENT SUBMISSION

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	FINAL: Reg	FINAL: Repro
MCLBA (583-1)	0	1	0
15. TOTAL	0	1	0

16. REMARKS

Blk 4: Contractor format is authorized and shall be submitted in .doc and .pdf format.

Blk 10 & 12: RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.

RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the government.

RFDs shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

Distribution Statement A: Approved for public release, distribution is unlimited.

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Ann Jowers	18 Oct 2001	Wallace O Dawson	11-15-01

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