Statement of Work (SOW)

for the

Inspect Repair Only As Necessary (IROAN)

of the

BRIDGE, ARMORED VEHICLE LAUNCHED;
SCISSORING-TYPE; CLASS 70;
ALUMINUM – 60 FT. SPAN

NSN 5420-01-390-3933

For Use With M60A1 Launcher

TAMCN: E0149

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STATEMENT OF WORK (SOW)
Inspect Repair Only As Necessary (IROAN) Program for the Bridge, Armored Vehicle Launched; Scissoring-Type; Class 70; Aluminum-60 Ft. Span NSN 5420-01-390-3933

1.0 SCOPE. This statement of work (SOW), along with Depot Maintenance Work Requirements DMWR 5-5420-203, establishes, 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 70, Aluminum-60 Ft. 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 II, if unavailable use Type I
MIL-STD-129	DoD Standard Practice: Military Marking for Shipment and Storage

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	Military Standard Requisitioning and Issue Procedure (MILSTRIP) Manual
TM-4750-15/1	Painting Registration Markings
TM-4750-15/2	Camouflage Pattern

Military Handbooks (For Guidance Only)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems-Requirements

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, commercial telephone number (215) 697-2179 or DSN 442-2179, or on the Internet at 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 Command, Albany, Georgia 31704-3019. Copies of engineering drawings, if applicable, shall be obtained from the Supply Chain Management Center, Attn: Code 566-1A, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

3.0 REQUIREMENTS

3.1 General Tasks. 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 an Marine Corps Systems Command (MCSC), Armor Fire Support System (AFSS), PMM142, Tank Section, Albany, Georgia representative.

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

3.2.1 Phase I – Pre-Induction Inspection Analysis. A Pre-Induction Inspection Analysis shall be performed for each Bridge using the Contractors Facility's inspection and testing techniques per DMWR 5-5420-203, Chapter 3, to determine the extent of work and parts required. These findings shall be annotated on the Preshop Analysis Checklist for Bridge/Components located in DMWR 5-5420-203, Table 3-3, and a copy shall be provided to MCSC, AFSS, PMM42, 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 II, if unavailable use Type I, in the performance of this SOW.

3.2.2 Phase II – IROAN. 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, AFSS, PMM-142, Tank Section 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 – Inspection, Testing and Acceptance. Final Inspection, Testing and Acceptance shall be performed by the Contractor upon completion of the IROAN. Final Inspection, Testing and Acceptance shall be conducted per DMWR 5-5420-203. The Final Test Checklist in DMWR 5-5420-203 Appendix E shall be utilized for each Bridge. A copy of the complete checklist shall 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 when available. The test vehicle shall be a M1A1 Tank uploaded to approximate combat weight of 67.6 tons. Each Bridge shall 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 shall be kept and made part of the Final Inspection

Record. These completed documents shall be provided to MCSC, AFSS, PMM142, Tank Section, Albany, Georgia.

Note: If there is no test vehicle available the Bridge shall be tagged prior to shipment and identified as not having been tested. Upon receipt of subject Bridge, the gaining unit will perform the required tests as specified above (3.2.3 Phase III) on the Bridge and identify any/all discrepancies found. For any/all discrepancies found, a PQDR shall be submitted and the depot shall coordinate with the reporting unit and make the required repairs on site with no additional cost to either the gaining unit or MCSC, AFSS, PMM142, Tank Section, Albany, Georgia.

3.2.4 Phase IV - 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 SOW. 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 581-1B) will coordinate GFE/GFM requests and maintain a central control system on all government owned assets in the Contractor's possession. The MCA will forward GFE Accountability Agreement to the Contractor for signature on an annual basis to establish a chain of custody and identify property responsibilities for the Marine Corps assets. The Contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. This can be done by mailing a copy of the DD1348 to the Materiel and Distribution Management Department, Distribution Management Branch, Management Control Activity (Code 581-1B), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320 or faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

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, the quality of work delivered, and written documents shall be subject to review and inspection by MCSC, AFSS, PMM142, Tank Section, Albany, Georgia during contract performance at any work location. Authorized MCSC, AFSS, PMM142, Tank Section, Albany, Georgia representatives shall be permitted to observe the work/task accomplishment to conduct inspections during working hours. Inspections by MCSC, AFSS, PMM142, 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 Q9001-2000, Quality Management Systems-Requirements, 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, AFSS, PMM142, Tank Section, Albany, Georgia. The Contractor shall, at no additional cost to MCSC, AFSS, PMM142, 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, and Deficiency Sheet. 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 MCSC, AFSS, PMM142, Tank Section, 814 Radford Blvd., STE 20343, Albany, Georgia 31704-0343, once completed and validated.

4.2 Monthly Progress Report. The Contractor shall provide a Monthly Progress Report to MCSC, AFSS, PMM142, Tank Section, 814 Radford Blvd., STE 20343, Albany, Georgia 31704-0343, summarizing the progress and status of each Bridge on the IROAN Program.

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER X
D. SYSTEM/ITEM Bridge, Armored Vehicle Launched	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	Contractor's Progress, Status, and Mgmt Report	Monthly Progress Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MGMT-80227	SOW Para 4.2	MARCORLOGCOM (566)	

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

16. REMARKS

Blk 4: Contractor format using .doc or .pdf software applications is authorized.

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

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

Blk 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	b. COPIES		
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G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Wallace C Dawson	1 Jun 04	Wallace C Dawson	1 Jun 04

CONTRACT DATA REQUIREMENTS LIST
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D. SYSTEM/ITEM: Bridge, Armored Vehicle Launched	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
B001	Request For Deviation (RFD)	Configuration Management	18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C	SOW Para 3.3.1	MARCORLOGCOM (566)

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

16. REMARKS

Blk 4 - Contractor format using .doc or .pdf software applications is authorized.

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

RFDs will be reviewed and disposition determined within 20 working days upon receipt by the Government.

RFDs shall be transmitted via E-Mail to the following address: smbmatcomconfigmngmnt@logcom.usmc.mil

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Raymond A. Woody	26 MAY 04	Wallace C. Newman	26 MAY 04

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Designed using Perform Pro, WHS/DIOR, Aug 96