UNITED STATES MARINE CORPS
Statement of Work
For The Inspect Repair Only As Required (IROAN)
of the

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

For Use With M48 and M60 Launcher
All Makes and Models

NSN 5420-00-522-9599

SOW-00-833-3-08942A-2/1

TAMCN: E1497

1 October 1999

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STATEMENT OF WORK
(SOW)
Inspect Repair Only As Necessary (IROAN) Program

Bridge, Armored Vehicle Lanched; Scissor-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, Scissoring Type. These documents contain requirements to restore the Bridge, Scissoring Type 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 1
MIL-STD-129	DoD Standard Practic for Military Marking

Military Standards (Guidance Only)

MIL-STD-973	Configuration Management

2.2 Industry Standards

ANSI/ASQC Q9002-94	Quality Systems – Model for Quality Assurance in Production, Installation, and Servicing

2.3 Other Government Documents and Publications.

APTD 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
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material from the Federal Supply System
TM-4750-15/1	Painting Registration Markings
TM-4750-15/2	Camouflage Pattern
Army Scope of Work	70 Ton Bridge Configuration

(Copies of Military Specifications and Standards are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 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 the contractor in connection with specific SOW requirements shall be obtained from: Commander, Marine Corps Logistics Bases, (Code 894), Attn: Contracting Officer, 814 Radford Blvd; Albany Georgia 31704-1128. Copies of engineering drawings, if applicable, shall be obtained fron the Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd. STE 20320, Albany, Georgia 31704-0320, Commercial (912) 439-6410 or DSN 567-6410.)

3.0 Requirements.

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

a. Provide material, labor, facilities, missing parts and repair parts necessary to inspect, restore, and test the Bridge,Scissoring Type. 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 MCLBA (Code 833-3) Marine Corps Logistics Bases, Albany Georgia represenative.

3.2 Detail Task. The following task describe the different phases for IROAN of the Bridge, Scissoring Type.

3.2.1 Phase I. 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 MCLBA (Code 833-3) 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. Refer to MIL-P-64159 for authorized paint required in the preformance of this SOW.

3.2.2 PhaseII. 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, and applicable publications and documents listed in this SOW. Also DMWR 5-5420-203 Appendix B list Expendable Supplies and Material List, and Appendix D Reclamation Procedures. The deficiencies noted on the Preshop Analysis Checklist during Phase I shall be repaired/replaced. MCLBA (Code 833-3) 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. 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 shall be upgraded to the 70 Ton Configuration using U.S. Army Scope of Work for 70-ton Bridge Conversion dated 16 Aug 95.

3.2.4 Phase IV. Final Test/Inspection shall be performed by the contractor upon completion of the IROAN. Final Test/Inspections 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. The test vehicle shall 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 shall be kept and made part of the Final Inspection Record. These completed documents shall be provided to MCLBA (Code 833-3).

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 APTD 2222. Items being prepared for domestic shipment and immediate use shall be to Level "B" requirements.

b. Marking for shipment 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 cost associated with the shipping of the subject equipment to and from the Contractor.

3.3 Confiuration Management.

3.3.1 Configuration Control. The baseline configuration for the Bridge has been established in DMWR 5-5420-203, MI's refer to Chapter 2, Section II Parts and Modifications, Par 2-6. The contractor shall determine the application status of approved configuration changes by visual inspection. No deviations of this baseline configuration shall be allowed unless authorized by MCLBA, 833-3. Therefore the contractor shall submit Request for Deviation/Request for Waiver using MIL-STD-973, paragraphs 5.4.3, 5.4.4, subparagraphs and Appendix E as guidance to Commander (Code 825-2), Marine Corps Logistics Bases, Albany,Ga. 31704.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel(GFM). GFE is government owned equipment authorized by the contract for the 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 the 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/Code 827-2), 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 reciept of all GFM and report consumption of GFM to the MCA.

3.5 Contractor Furnished Materiel (CFM). The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.2A). In the event that the Contractor Furnished Material 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.

3.6 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 MCLBA (Code 833-3) during contract performance at any work location. Authorized MCLBA (Code 833-3) representatives shall be permitted to observe the work/task accomplishment or to conduct inspections during working hours. Inspections by MCLBA (Code 833-3) 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.

3.7 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLBA (Code 833-3). The contractor shall, at no additional cost to MCLBA (Code 833-3) 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 via e-mail to clappro@matcom.usmc.mil, in Microsoft format, once completed and validated.

4.2 Weekly Progress Report. The contractor shall provide a Weekly Progress Report, to MCLBA (Code 833-3) summarizing the progress and status of each bridge in the IROAN Program. Report shall be provided in the same format as the example being provided as Appendix A.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge, AVL; Scissoring-Type		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
A001	Contractor's Progress, Status, and Management Report		18. ESTIMATED TOTAL PRICE

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80227	SOW 4.1	MCLBA (833)

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
DD	A	WKLY	30 DAC
9. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			See Blk 16

16. REMARKS

Contractor format is authorized.

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

Blk 12 - The reporting period shall be from the first to last business day of each month. Initial submission shall be 30 DAC.

Blk 13 - Subsequent submissions shall be Monday of each week.

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14. DISTRIBUTION

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	Draft	Final	
		Reg	Repro
MCLBA (833-3)	0	1	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Robert A Clapp	01-18-00	Wallace A Dawson	01-18-00

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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

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

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640B	SOW 3.3.1	MCLBA (825)

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	9. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	ASREQ	SEE BLK 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION

10. REMARKS

Blk 4 - Contractor format 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 30 calendar days upon receipt by the Government.

RFDs shall be submitted on a 3.5" disk in ASCII format.

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G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Doug Smith	1-22-99		1-22-55

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge, AVL; Scissoring-Type		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
B002	Request For Waiver	Configuration Management	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-CMAN-80641B	SOW 3.3.1	MCLBA (825)	

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	ASREQ	SEE BLK 16

8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION

16. REMARKS

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

RFWs 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

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G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Dawn Lee Smith	01-10-00	Robert Clegg	01-18-00